

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064190.D
 Acq On : 20 Oct 2020 9:49
 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
 10/23/2020 2:28:32 PM

Quant Time: Oct 20 11:16:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:03:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	58154	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	334930	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	292354	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	145503	28.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.03%
60) 4-Bromofluorobenzene	12.37	95	158126	31.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.43%
63) Toluene-d8	10.06	98	406492	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	16407	4.319 ug/l	98
3) Chloromethane	2.04	50	19895	5.044 ug/l	94
4) Vinyl Chloride	2.16	62	19348	4.931 ug/l #	84
5) Bromomethane	2.53	94	12446	5.006 ug/l	86
6) Chloroethane	2.68	64	12234	5.040 ug/l	92
7) Trichlorofluoromethane	2.98	101	33590	5.348 ug/l	97
8) Diethyl Ether	3.37	74	11953	5.878 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.71	101	18706m	5.781 ug/l	
10) 1,1-Dichloroethene	3.70	96	18491	6.044 ug/l	87
11) Methyl Iodide	3.91	142	23223	5.847 ug/l	98
12) Methyl Acetate	4.27	43	17505m	4.820 ug/l	
13) Acrolein	3.57	56	11529m	31.280 ug/l	
14) Acrylonitrile	4.92	53	35154	23.463 ug/l	92
15) Acetone	3.78	58	9717	22.969 ug/l	96
16) Carbon Disulfide	4.01	76	50016	5.547 ug/l	98
17) Allyl chloride	4.28	41	32913	5.868 ug/l	90
18) Methylene Chloride	4.50	84	22340	6.226 ug/l	90
19) trans-1,2-Dichloroethene	4.98	96	19790	5.737 ug/l #	78
20) Diisopropyl ether	5.89	45	61559	5.463 ug/l	93
21) 1,1-Dichloroethane	5.79	63	38524	5.670 ug/l	95
22) cis-1,2-Dichloroethene	6.78	96	23486	5.965 ug/l #	83
23) tert-Butyl Alcohol	4.73	59	18172m	28.273 ug/l	
24) Methyl tert-Butyl Ether	4.98	73	60079	5.879 ug/l #	79
25) Chloroform	7.32	83	40322	5.668 ug/l	95
26) Cyclohexane	7.61	56	31487	6.276 ug/l	95
29) 1,1-Dichloropropene	7.75	75	28792	5.134 ug/l	91
30) 2-Butanone	6.78	43	60615	22.808 ug/l	98
31) 2,2-Dichloropropane	6.77	77	39408	5.836 ug/l #	74
32) 1,1,1-Trichloroethane	7.53	97	37818	5.320 ug/l	95
33) Carbon Tetrachloride	7.73	117	34823	5.534 ug/l	94
34) Benzene	8.00	78	80544	5.102 ug/l #	74
35) Methacrylonitrile	7.12	41	12186	4.667 ug/l	93
36) 1,2-Dichloroethane	8.08	62	33191	4.838 ug/l #	94
37) Trichloroethene	8.80	130	22853	5.440 ug/l	100
38) Methylcyclohexane	9.05	83	29526	6.102 ug/l	95
39) 1,2-Dichloropropane	9.08	63	21764	5.098 ug/l	100
40) Dibromomethane	9.17	93	16338	5.501 ug/l	96

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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 VSTDIC005

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	33626	5.366	ug/l	95
42) Vinyl Acetate	5.84	43	286964	25.387	ug/l	99
43) Ethyl Acetate	6.87	43	26675	4.633	ug/l #	93
44) Isopropyl Acetate	8.12	43	52750	5.429	ug/l #	87
45) 1,4-Dioxane	9.16	88	6259	102.964	ug/l	96
46) Methyl methacrylate	9.16	41	23135	4.826	ug/l	98
47) n-amyl Acetate	12.04	43	46226	5.340	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	36420	5.342	ug/l	95
49) cis-1,3-Dichloropropene	9.80	75	38788	5.475	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	20681	5.156	ug/l	94
51) Ethyl methacrylate	10.40	69	33122	5.605	ug/l	91
52) 1,3-Dichloropropane	10.68	76	35982	5.237	ug/l	97
53) Dibromochloromethane	10.87	129	25492	5.469	ug/l	100
54) 1,2-Dibromoethane	10.97	107	21458	5.111	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	66755	21.044	ug/l	99
56) Bromoform	12.10	173	16805	5.147	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	136835	25.748	ug/l	98
59) 2-Hexanone	10.72	43	102853	25.890	ug/l	100
61) Tetrachloroethene	10.60	164	23183	6.461	ug/l	92
62) Toluene	10.12	91	91938	5.677	ug/l	100
64) Chlorobenzene	11.41	112	57076	5.774	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.48	131	22450	5.827	ug/l	98
66) Ethyl Benzene	11.48	91	104637	5.805	ug/l	96
67) m/p-Xylenes	11.59	106	78818	11.826	ug/l	99
68) o-Xylene	11.92	106	38595	6.053	ug/l	94
69) Styrene	11.94	104	62779	5.767	ug/l	97
70) Isopropylbenzene	12.22	105	99862	5.879	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	27498	5.275	ug/l	99
72) 1,2,3-Trichloropropane	12.52	75	29130m	5.595	ug/l	
73) Bromobenzene	12.50	156	23239	5.402	ug/l	95
74) n-propylbenzene	12.56	91	111636	5.649	ug/l	99
75) 2-Chlorotoluene	12.65	91	71232	5.903	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	82785	5.773	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	10653	5.482	ug/l	94
78) 4-Chlorotoluene	12.75	91	73472	5.776	ug/l	97
79) tert-butylbenzene	12.96	119	67100	5.798	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	86718	6.014	ug/l	100
81) sec-Butylbenzene	13.14	105	88998	5.867	ug/l	100
82) p-Isopropyltoluene	13.26	119	81182	5.868	ug/l	98
83) 1,3-Dichlorobenzene	13.25	146	42084	5.549	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	40270	5.306	ug/l	95
85) n-Butylbenzene	13.59	91	72579	6.004	ug/l	99
86) Hexachloroethane	13.85	117	13530	5.679	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	41744	5.649	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7292	5.830	ug/l	89
89) 1,2,4-Trichlorobenzene	14.88	180	22830	5.789	ug/l	92
90) Hexachlorobutadiene	14.98	225	13474	6.603	ug/l	98
91) Naphthalene	15.10	128	71435	6.016	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	21964	5.797	ug/l	99

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

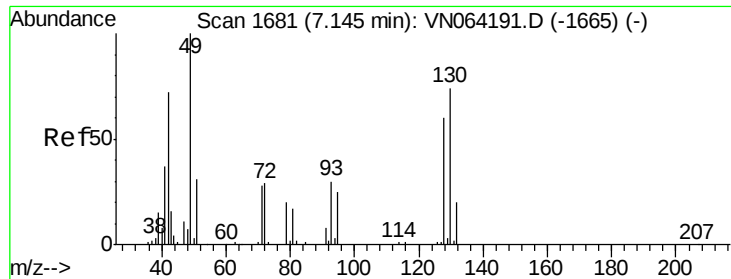
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

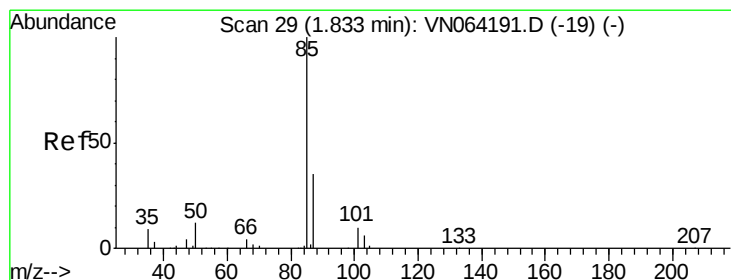
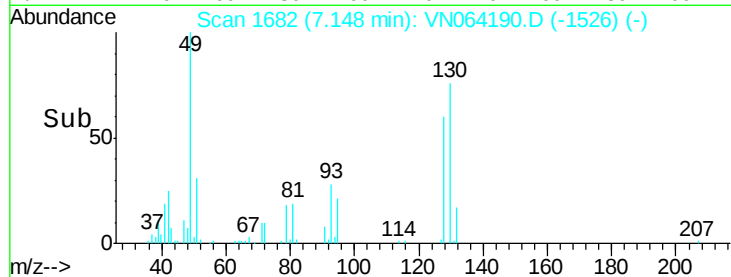
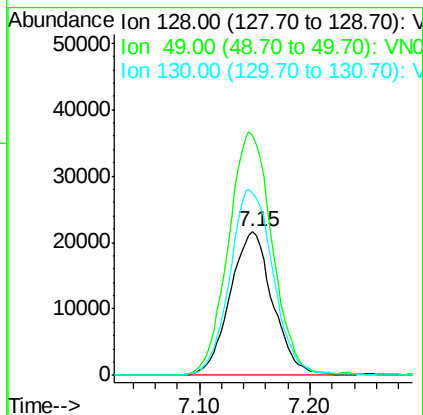
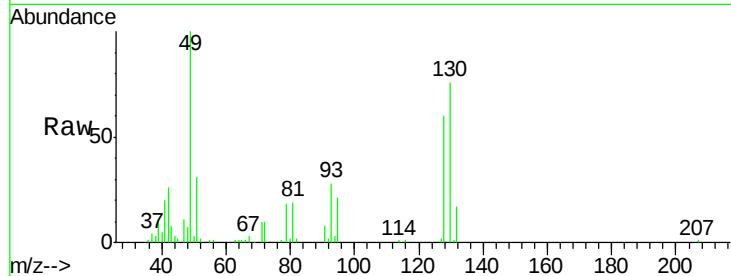
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	58154
Ion	Ratio	Lower	Upper
128	100		
49	173.1	0.0	433.3
130	130.8	0.0	322.5

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#2

Dichlorodifluoromethane

Concen: 4.319 ug/l

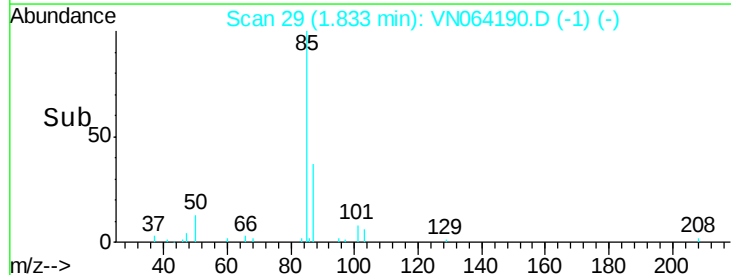
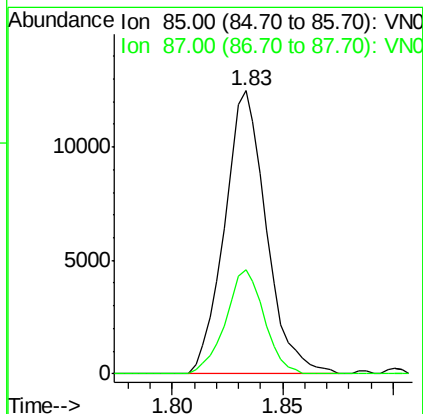
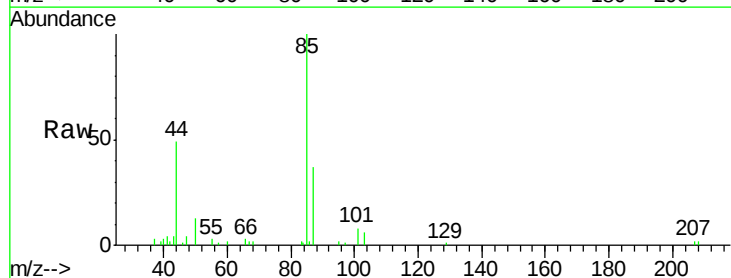
RT: 1.83 min Scan# 29

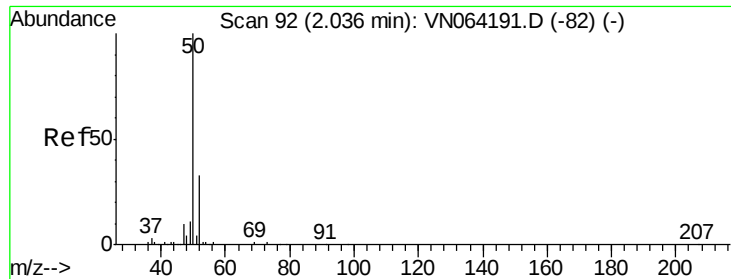
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion:	85	Resp:	16407
Ion	Ratio	Lower	Upper
85	100		
87	36.6	17.8	53.3





#3

Chloromethane

Concen: 5.044 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 19895

Ion Ratio Lower Upper

50 100

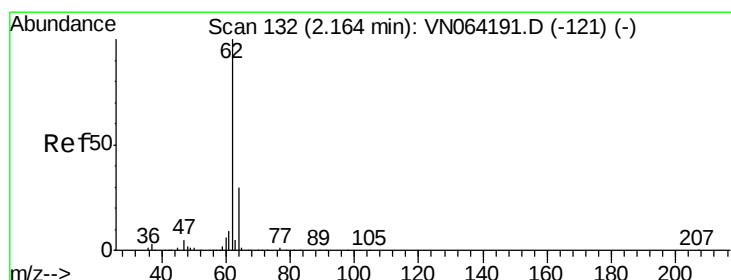
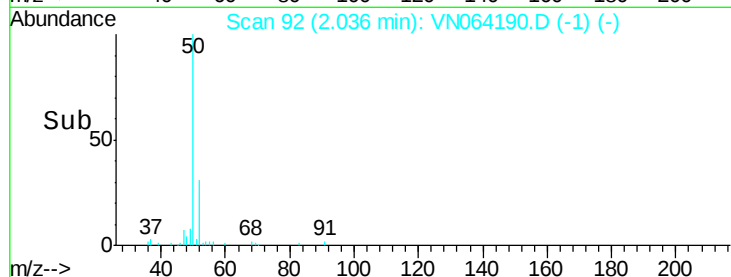
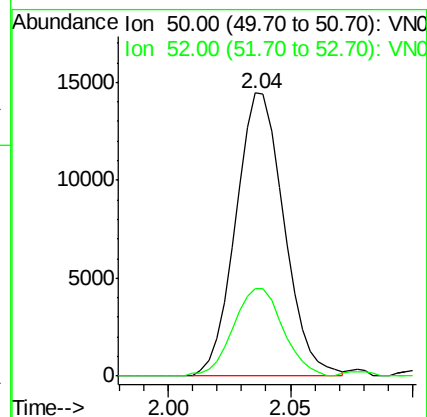
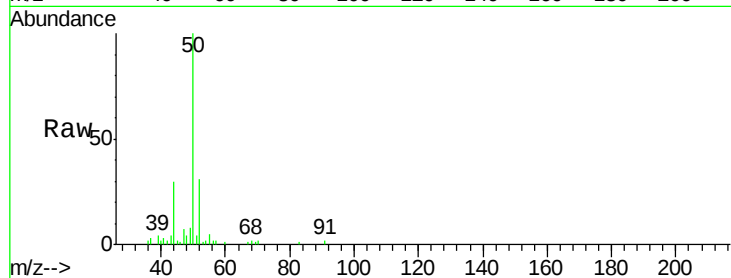
52 30.0 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.931 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064190.D

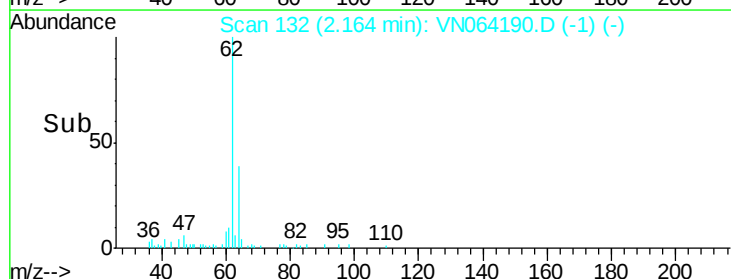
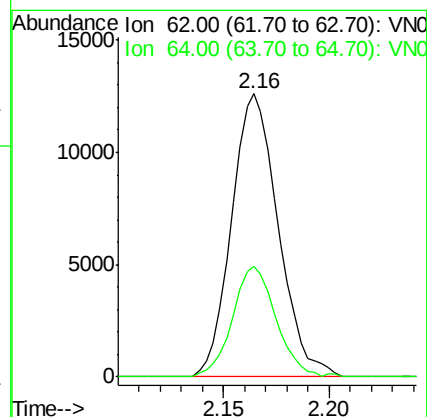
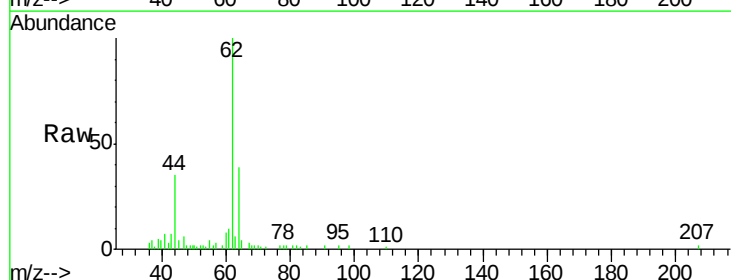
Acq: 20 Oct 2020 9:49

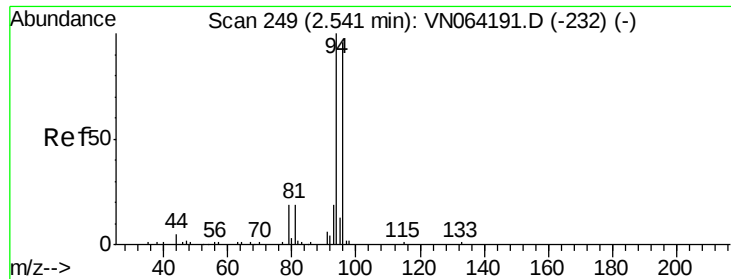
Tgt Ion: 62 Resp: 19348

Ion Ratio Lower Upper

62 100

64 39.2 24.4 36.6#





#5

Bromomethane

Concen: 5.006 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 12446

Ion Ratio Lower Upper

94 100

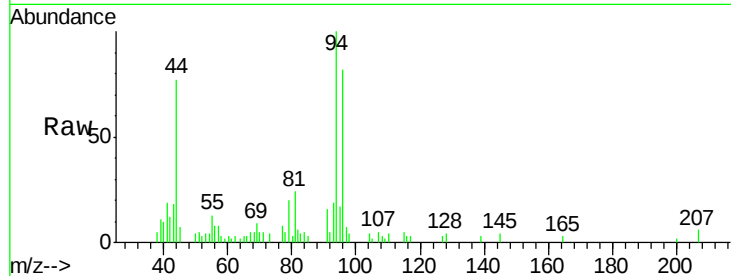
96 81.7 76.6 115.0

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

6000

4000

2000

0

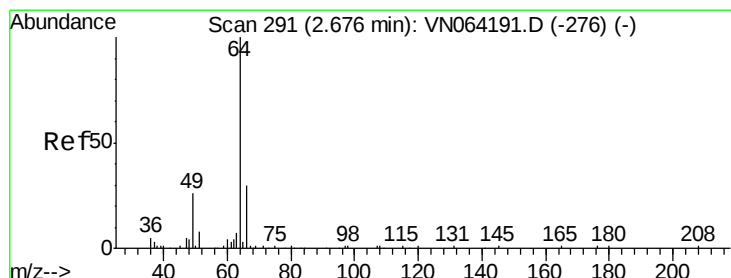
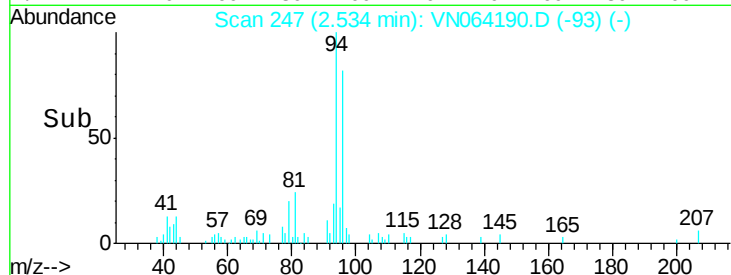
Time-->

2.45

2.50

2.55

2.60



#6

Chloroethane

Concen: 5.040 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064190.D

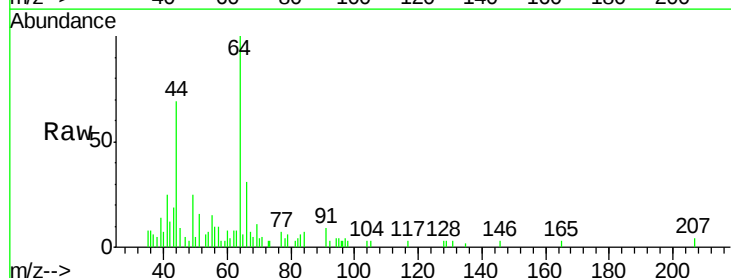
Acq: 20 Oct 2020 9:49

Tgt Ion: 64 Resp: 12234

Ion Ratio Lower Upper

64 100

66 25.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.68

6000

4000

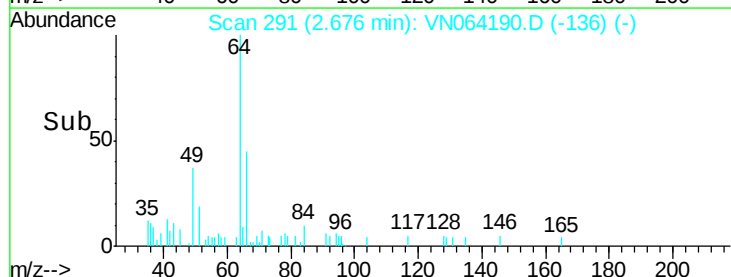
2000

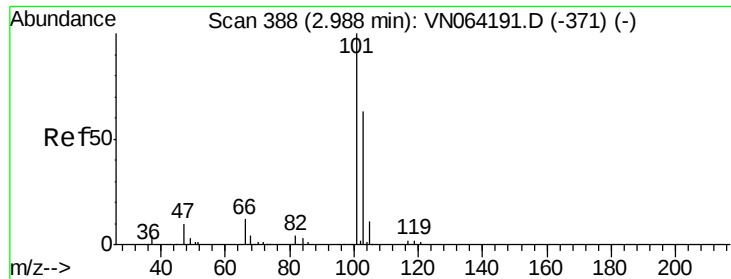
0

Time-->

2.65

2.70





#7

Trichlorofluoromethane

Concen: 5.348 ug/l

RT: 2.98 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 33590

Ion Ratio Lower Upper

101 100

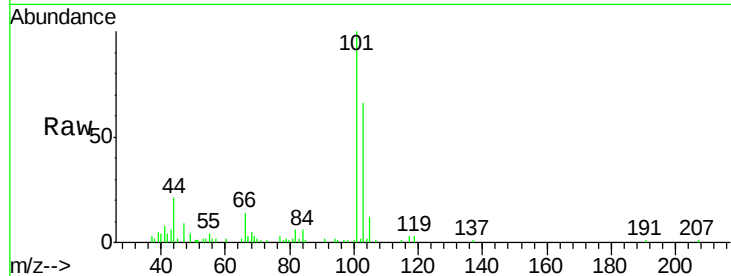
103 65.9 50.7 76.1

Manual Integrations

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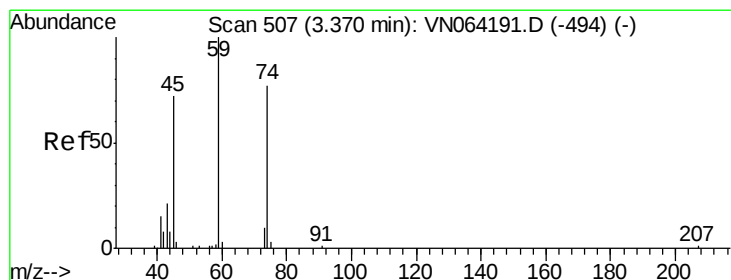
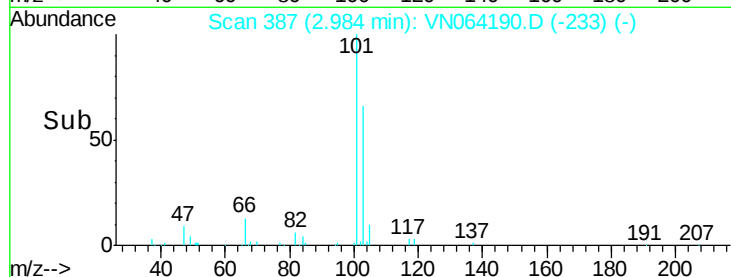
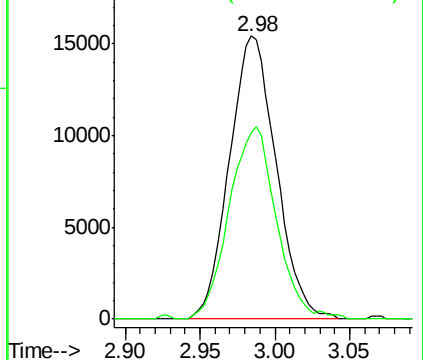
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.878 ug/l

RT: 3.37 min Scan# 506

Delta R.T. -0.00 min

Lab File: VN064190.D

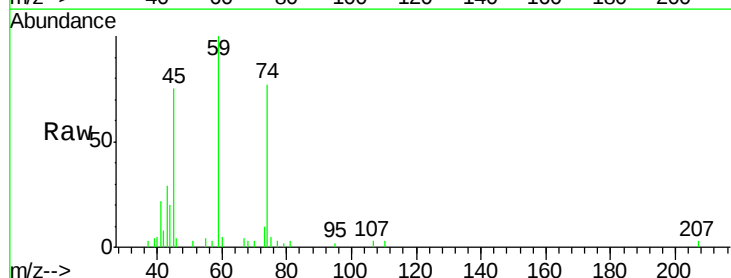
Acq: 20 Oct 2020 9:49

Tgt Ion: 74 Resp: 11953

Ion Ratio Lower Upper

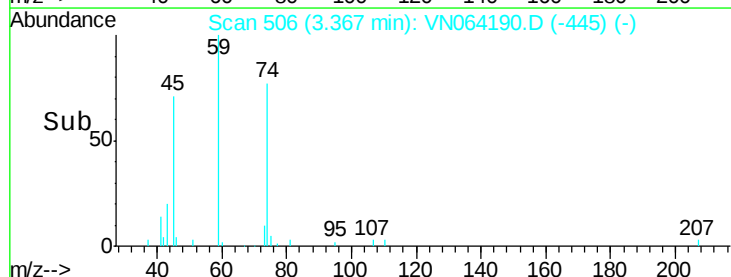
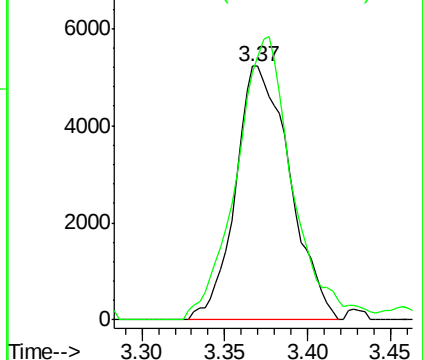
74 100

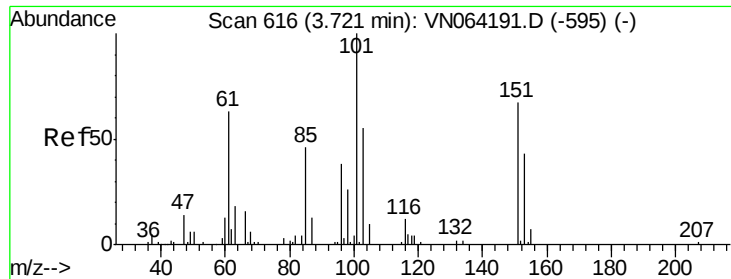
45 113.1 19.5 175.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.781 ug/l m

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN064190.D

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Instrument :

MSVOA_N

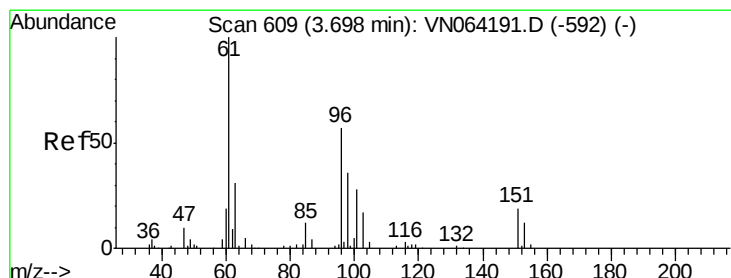
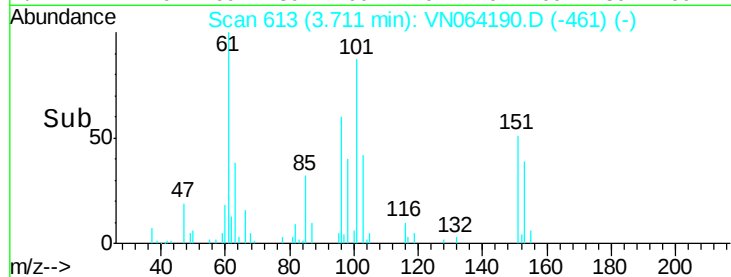
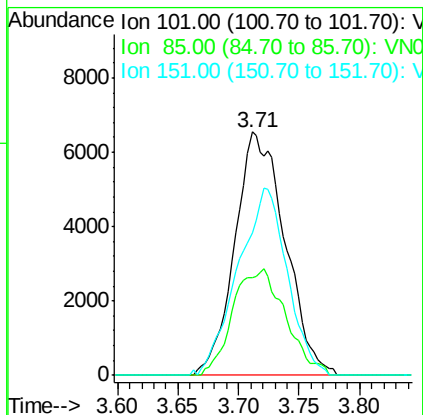
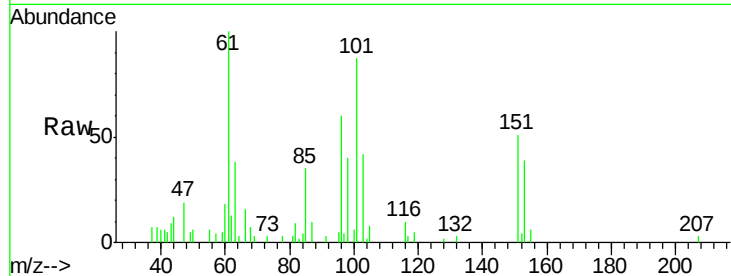
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	18706
Ion Ratio	Lower	Upper	
101	100		
85	0.0	0.0	94.0
151	75.8	0.0	146.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 6.044 ug/l

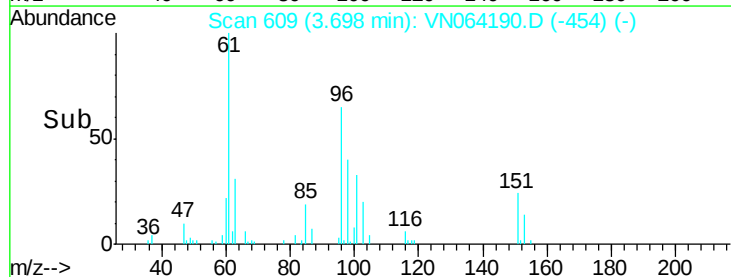
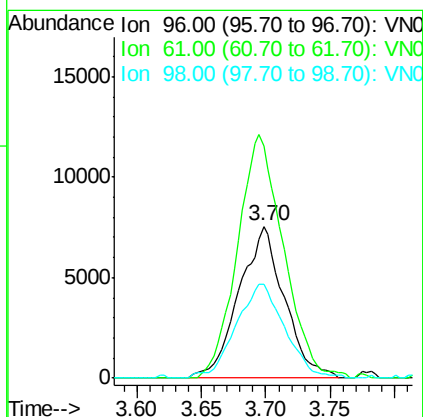
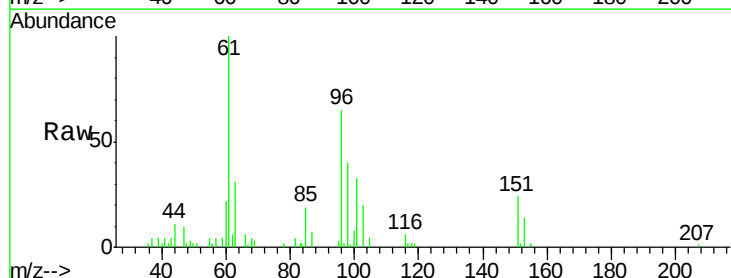
RT: 3.70 min Scan# 609

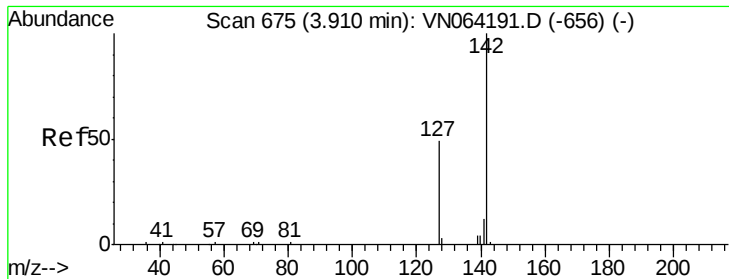
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion:	96	Resp:	18491
Ion Ratio	Lower	Upper	
96	100		
61	152.9	141.0	211.4
98	61.6	51.4	77.2





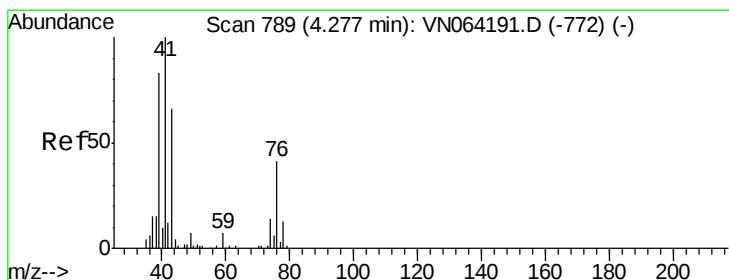
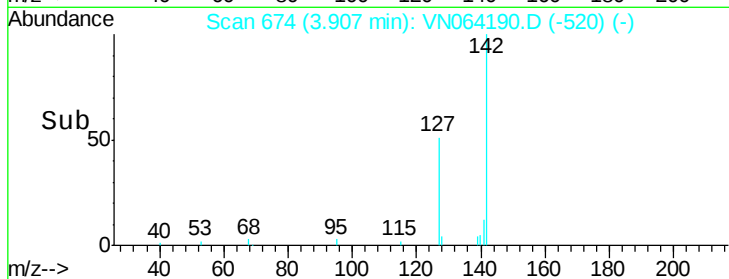
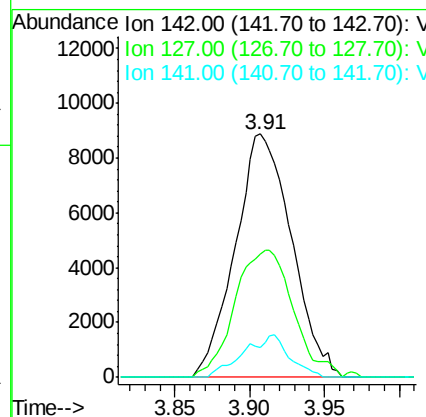
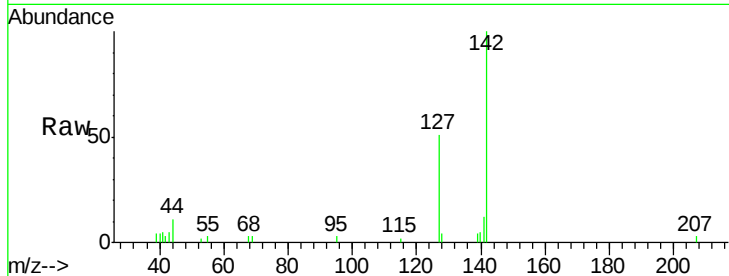
#11
Methvl Iodide
Concen: 5.847 ug/l
RT: 3.91 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	50.8	24.5	73.5
141	12.1	6.0	18.1

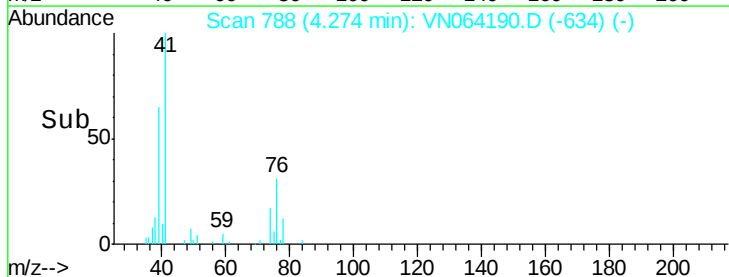
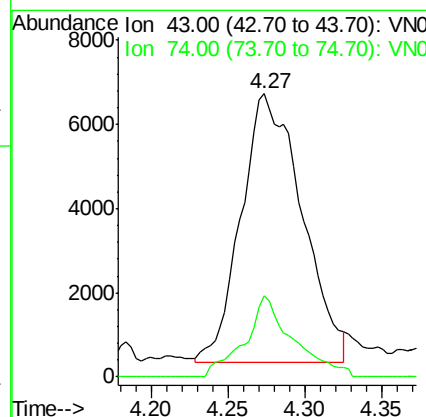
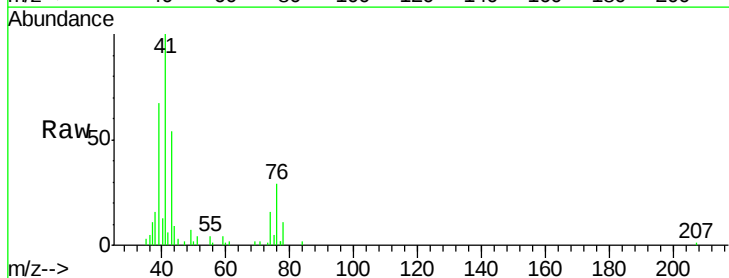
Manual Integrations
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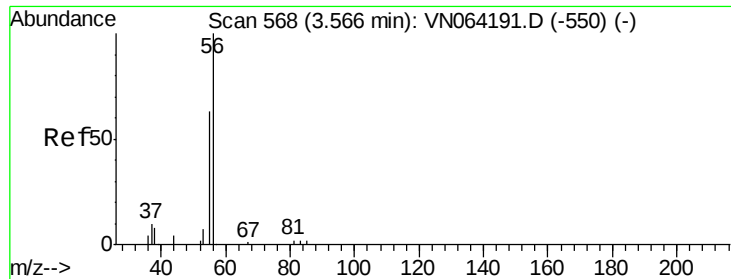
MMDadoda
10/23/2020 2:28:32 PM



#12
Methyl Acetate
Concen: 4.820 ug/l m
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.6	16.2	24.2





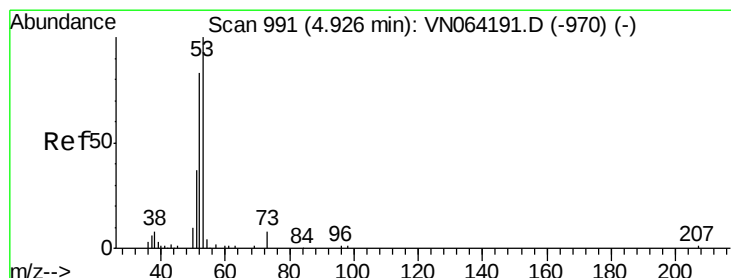
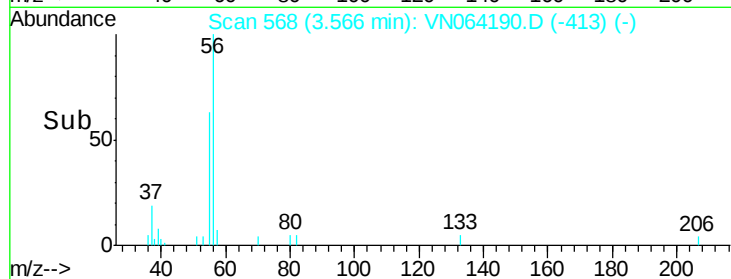
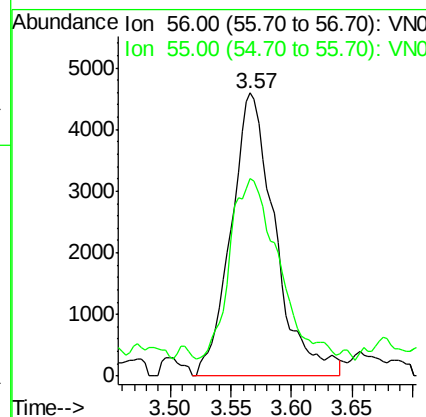
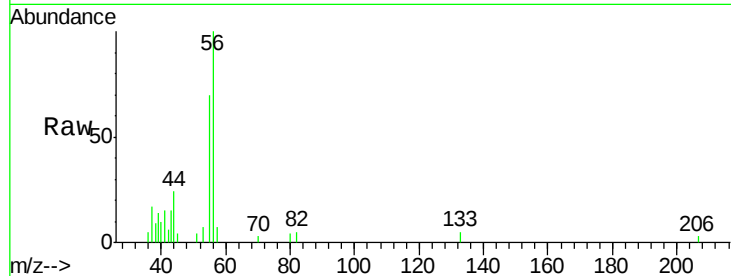
#13
Acrolein
Concen: 31.280 ug/l m
RT: 3.57 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	11529
Ion Ratio	Lower	Upper	
56	100		
55	22.1	0.5	0.7#

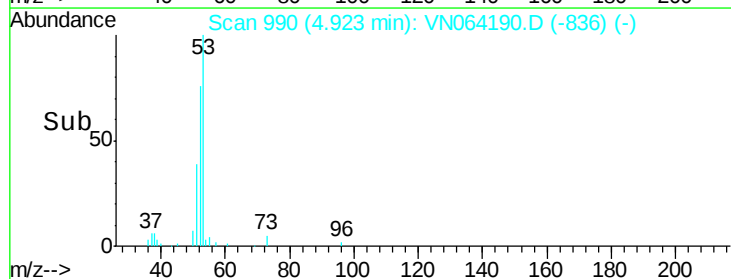
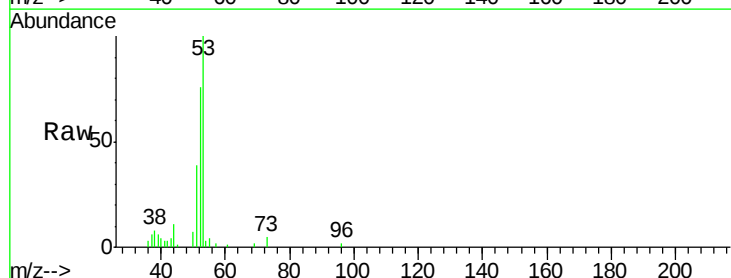
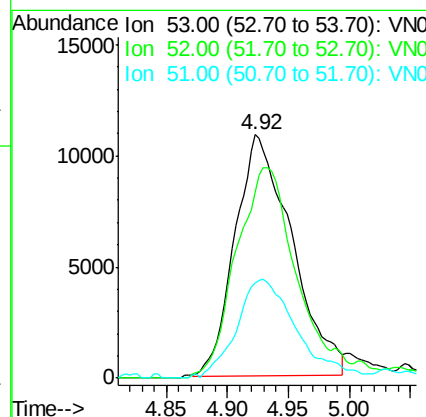
Manual Integrations
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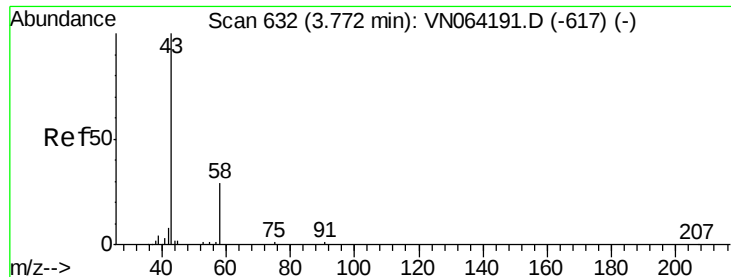
MMDadoda
10/23/2020 2:28:32 PM



#14
Acrylonitrile
Concen: 23.463 ug/l
RT: 4.92 min Scan# 990
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	53	Resp	35154
Ion Ratio	Lower	Upper	
53	100		
52	88.9	41.3	123.9
51	42.0	18.1	54.1





#15

Acetone

Concen: 22.969 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 9717

Ion Ratio Lower Upper

58 100

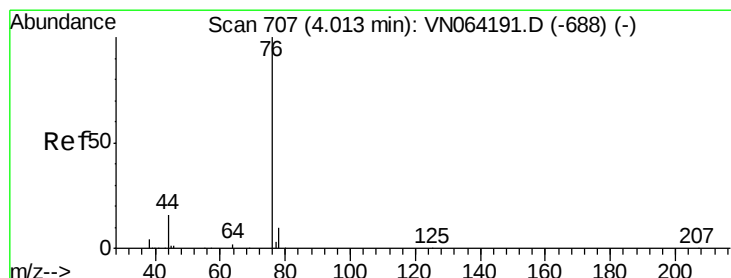
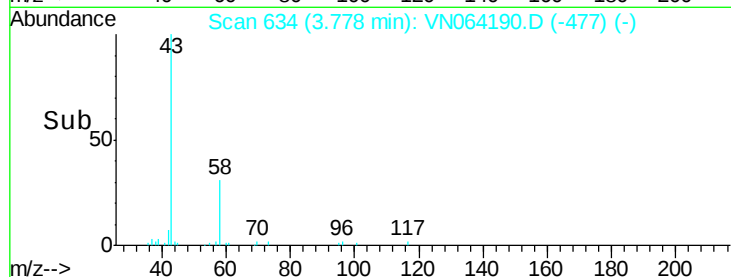
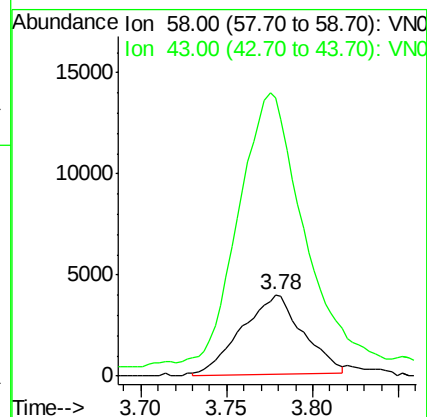
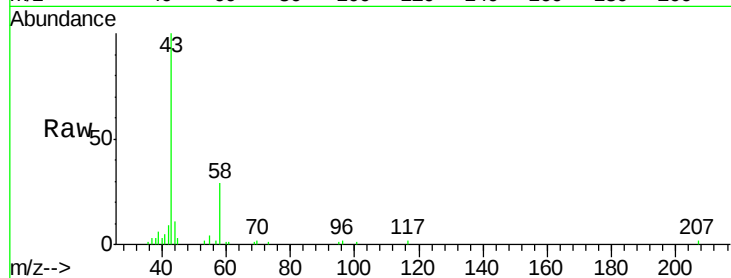
43 330.7 272.1 408.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 5.547 ug/l

RT: 4.01 min Scan# 705

Delta R.T. -0.01 min

Lab File: VN064190.D

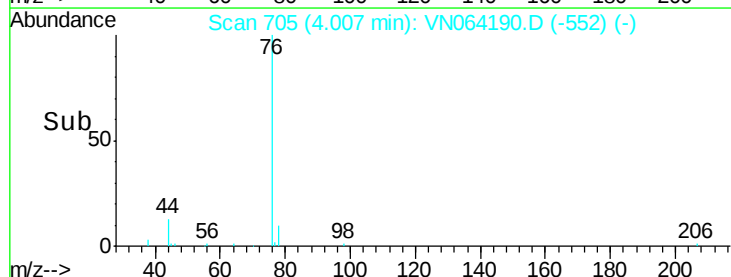
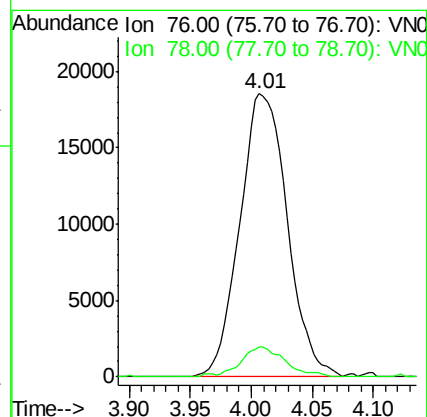
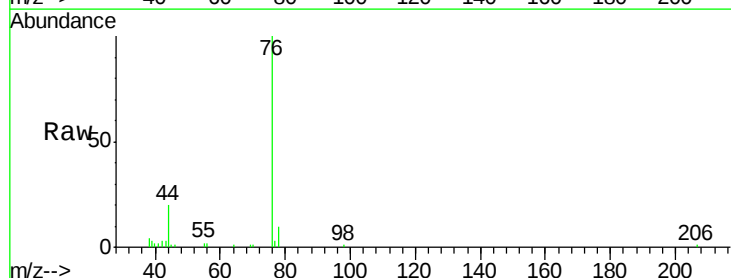
Acq: 20 Oct 2020 9:49

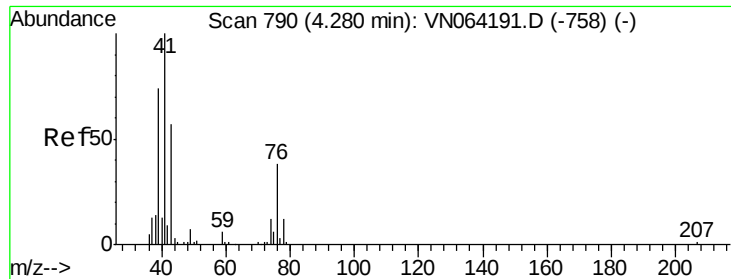
Tgt Ion: 76 Resp: 50016

Ion Ratio Lower Upper

76 100

78 10.4 7.7 11.5





#17

Allvl chloride

Concen: 5.868 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

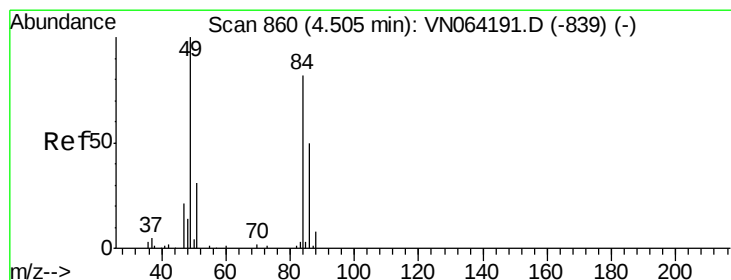
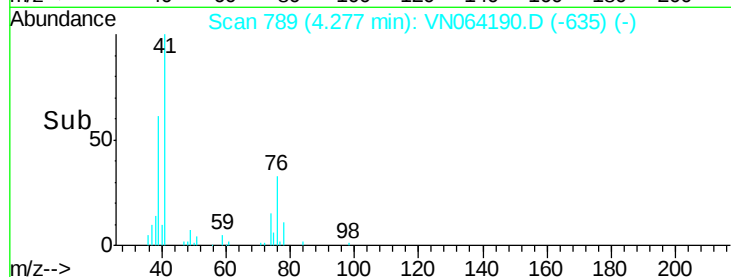
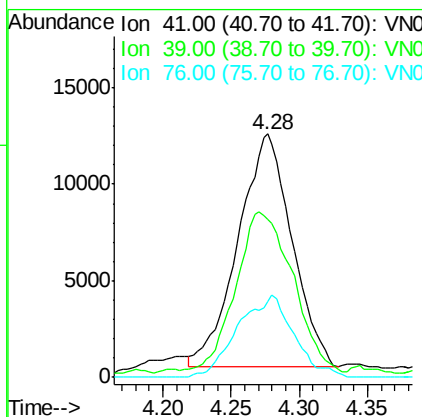
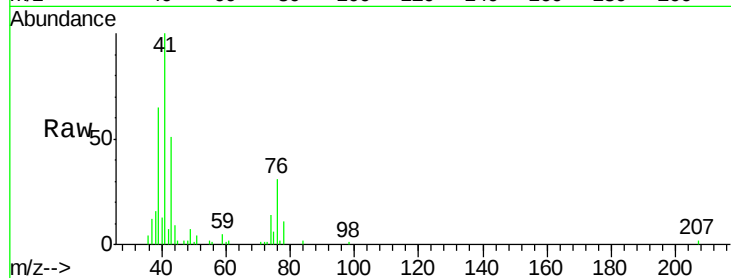
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	32913
Ion	Ratio	Lower	Upper
41	100		
39	64.8	36.8	110.4
76	32.8	18.8	56.4

Manual Integrations
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#18

Methylene Chloride

Concen: 6.226 ug/l

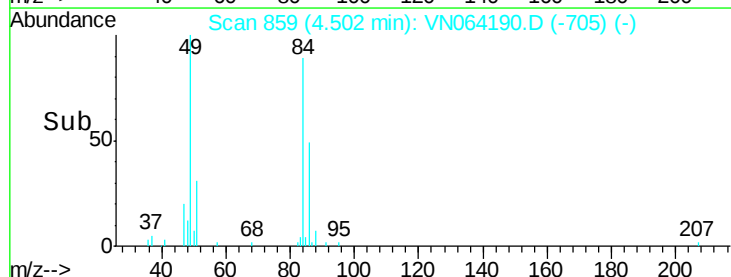
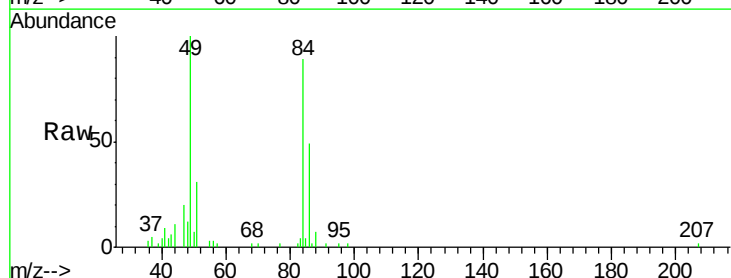
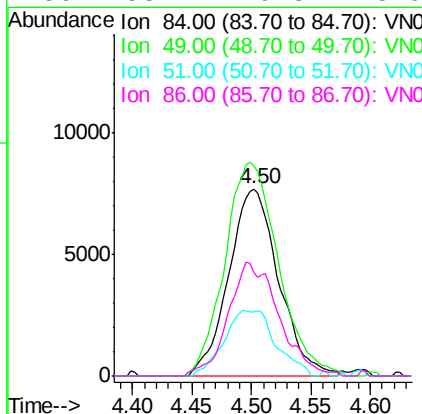
RT: 4.50 min Scan# 859

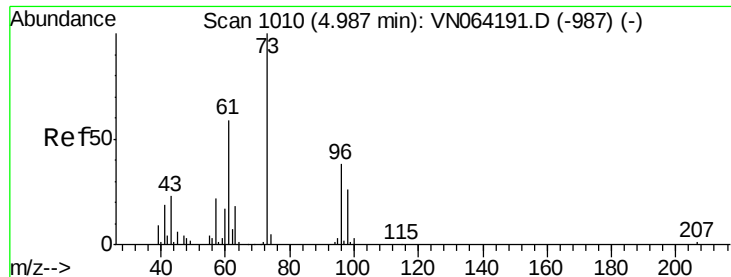
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion:	84	Resp:	22340
Ion	Ratio	Lower	Upper
84	100		
49	110.1	97.6	146.4
51	34.4	31.1	46.7
86	53.1	49.3	73.9





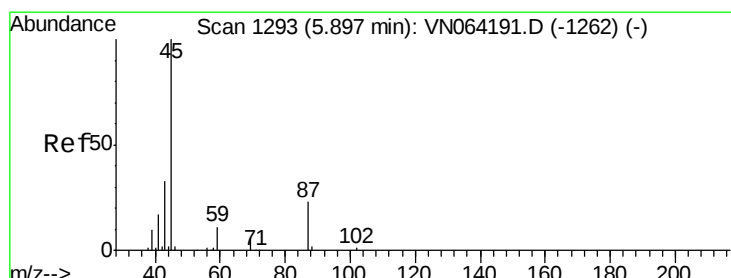
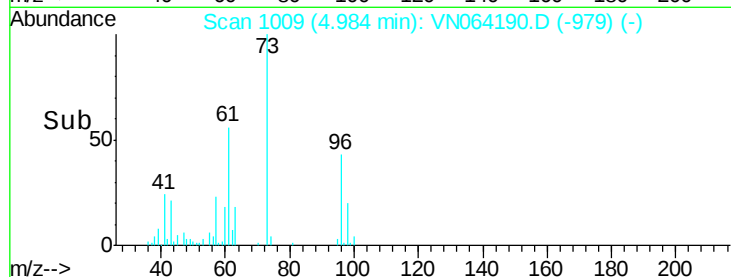
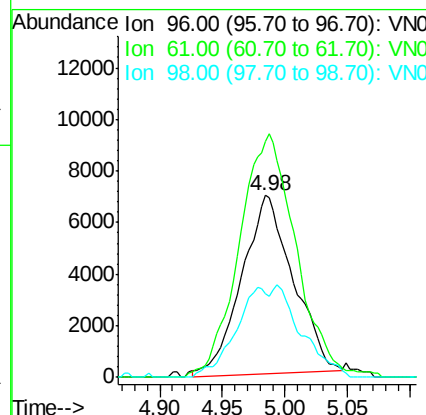
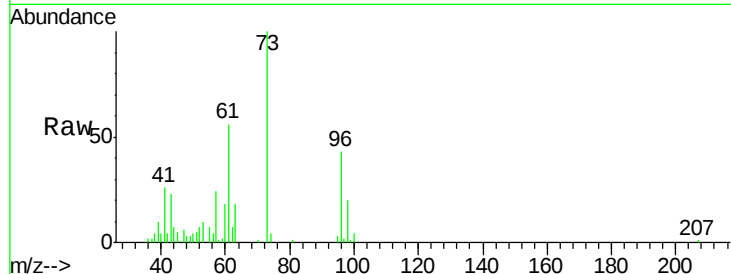
#19
trans-1,2-Dichloroethene
Concen: 5.737 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	125.5	188.3
98	47.5	54.7	82.1#

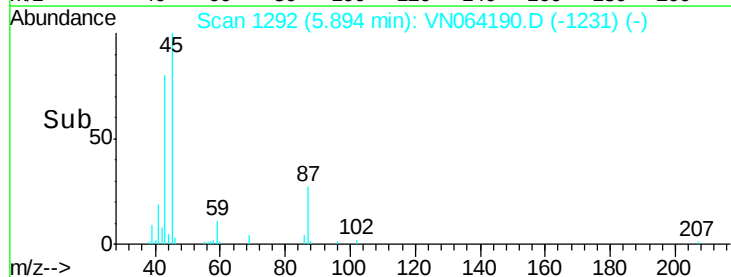
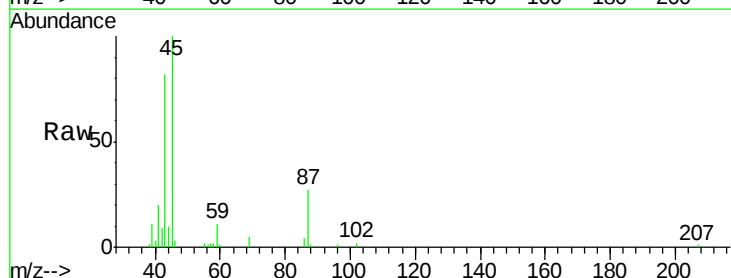
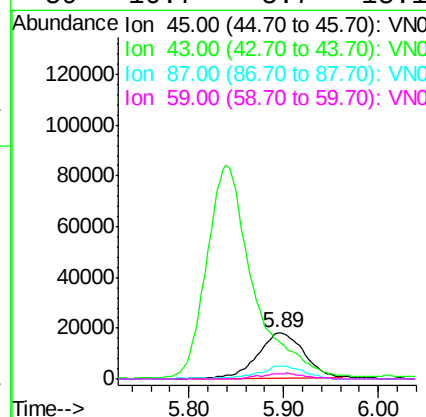
Manual Integrations
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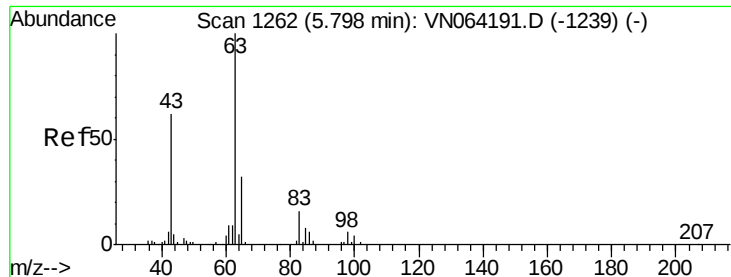
MMDadoda
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#20
Diisopropyl ether
Concen: 5.463 ug/l
RT: 5.89 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.0	55.1	82.7
87	27.9	19.4	29.2
59	10.7	8.7	13.1





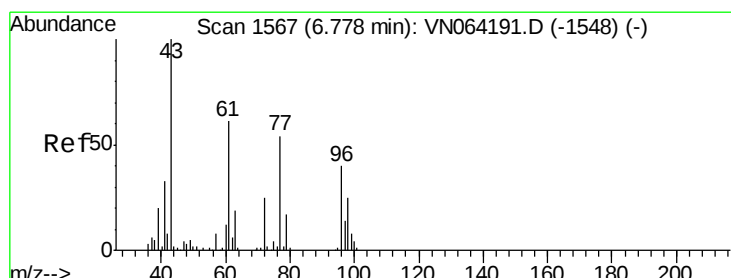
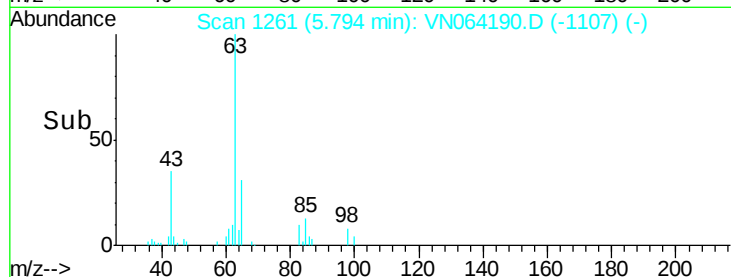
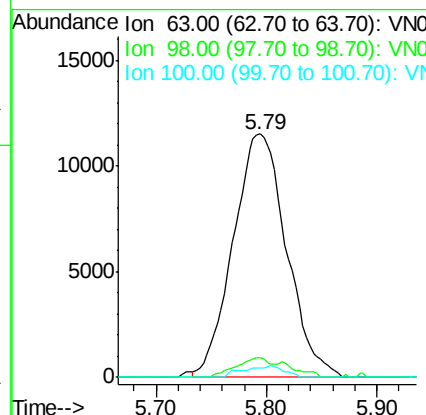
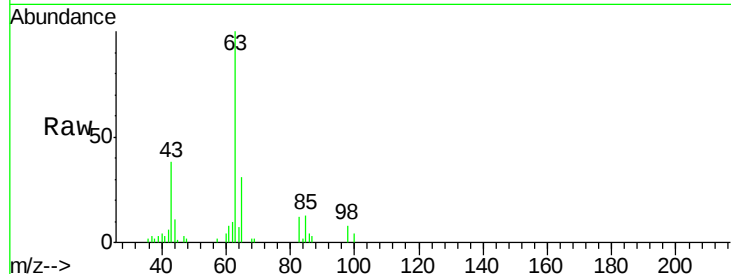
#21
 1,1-Dichloroethane
 Concen: 5.670 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	8.3	2.9	8.7
100	3.9	2.1	6.3

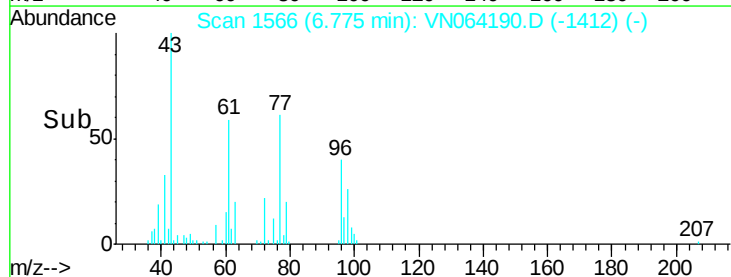
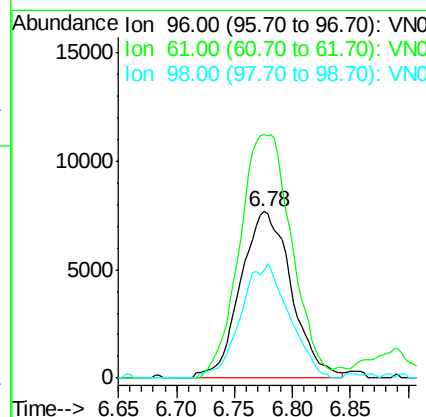
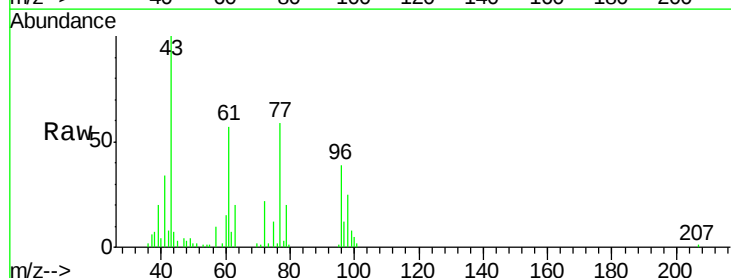
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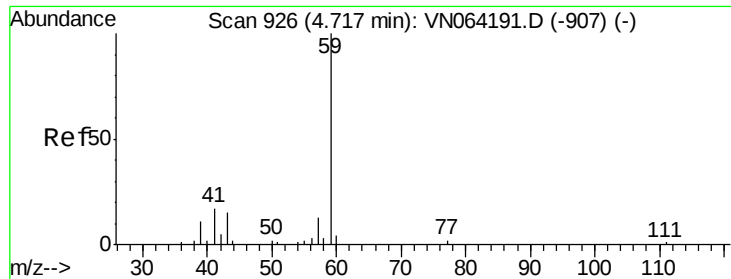
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 5.965 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	149.7	126.2	189.4
98	28.7	50.2	75.4#





#23

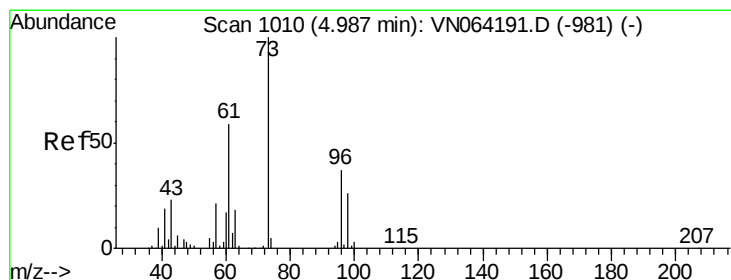
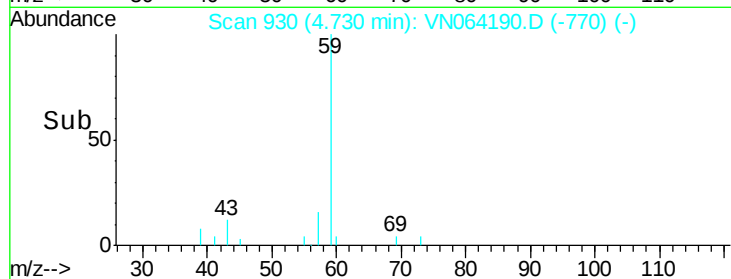
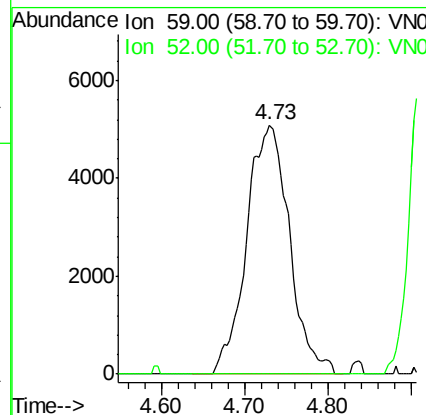
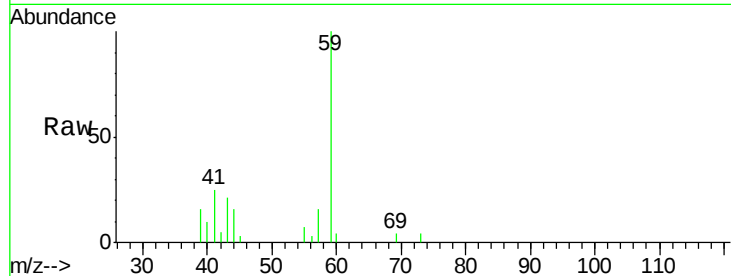
tert-Butyl Alcohol
 Concen: 28.273 ug/l m
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.3	0.0	0.0#

Manual Integrations
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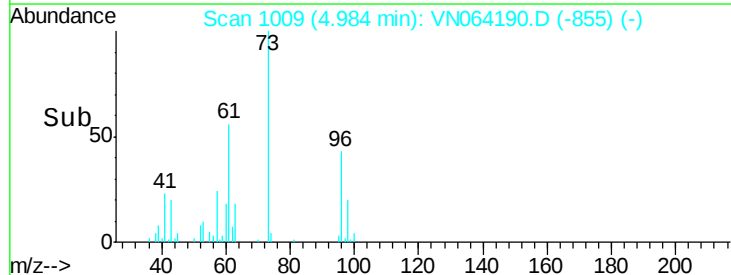
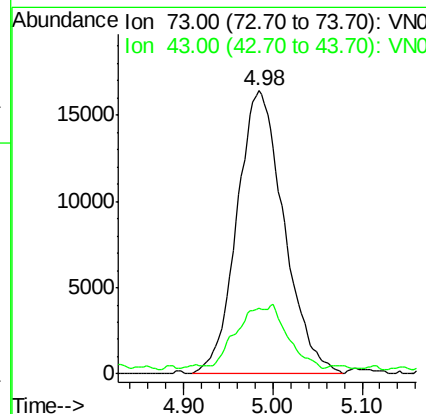
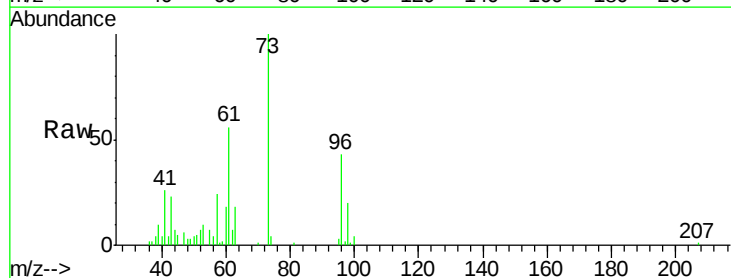
MMDadoda
 10/23/2020 2:28:32 PM

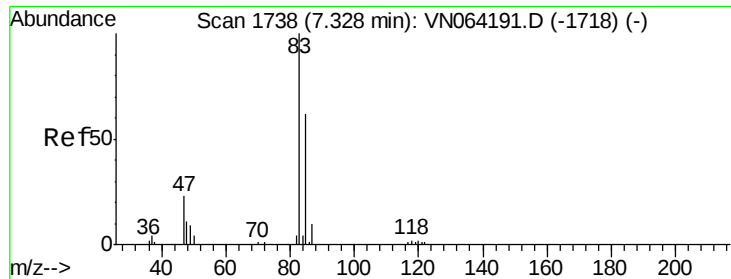


#24

Methyl tert-Butyl Ether
 Concen: 5.879 ug/l
 RT: 4.98 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	12.3	18.2	27.2#





#25

Chloroform

Concen: 5.668 ug/l

RT: 7.32 min Scan# 1736

Delta R.T. -0.01 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 83 Resp: 40322

Ion Ratio Lower Upper

83 100

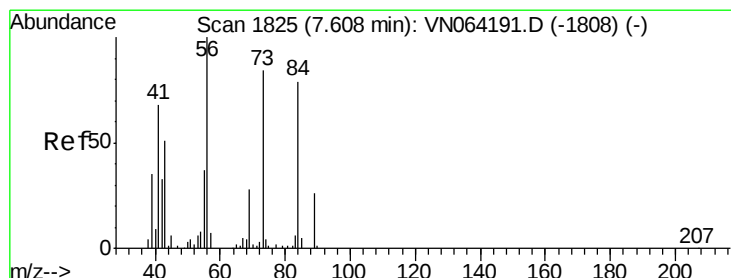
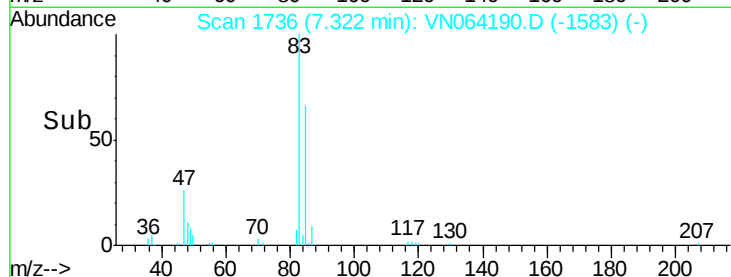
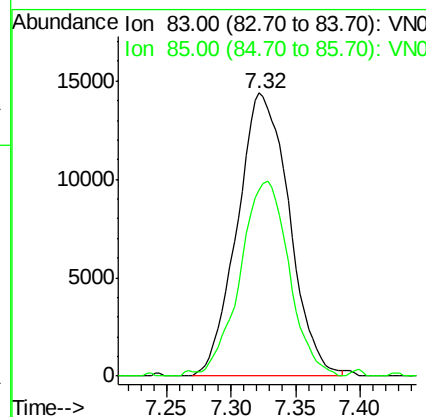
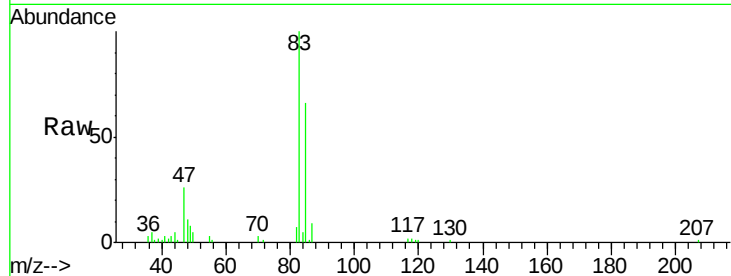
85 65.9 49.7 74.5

Manual Integrations

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MMDadoda

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#26

Cyclohexane

Concen: 6.276 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

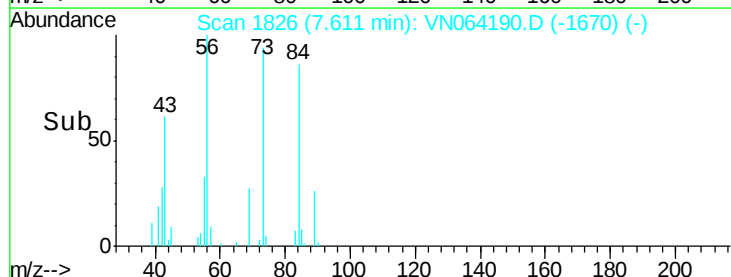
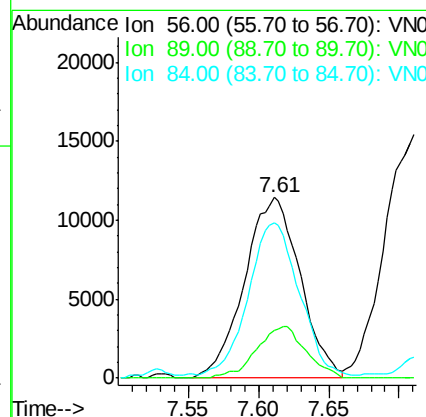
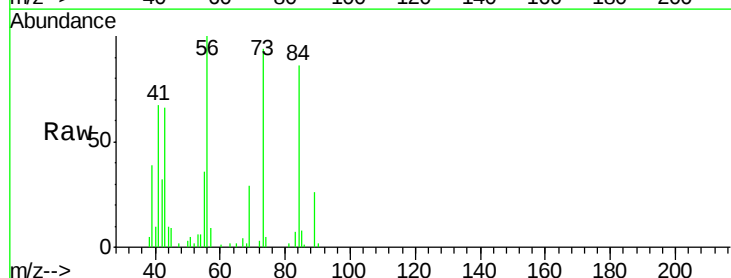
Tgt Ion: 56 Resp: 31487

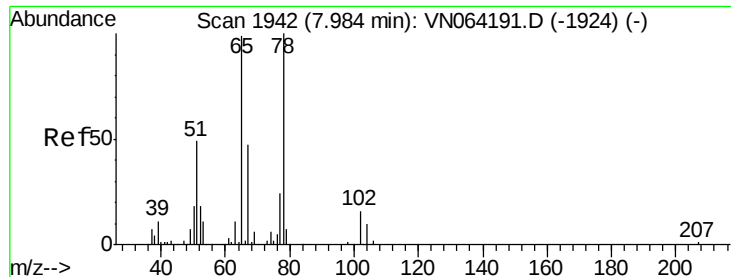
Ion Ratio Lower Upper

56 100

89 25.3 21.4 32.0

84 77.6 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 28.214 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 145503

Ion Ratio Lower Upper

65 100

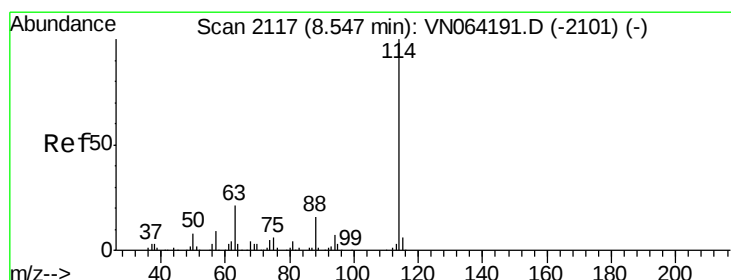
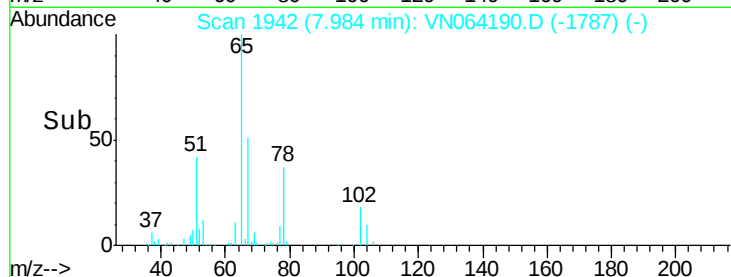
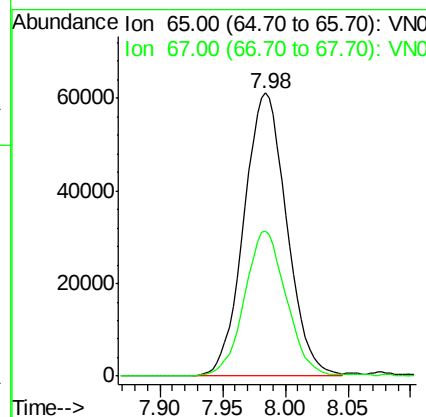
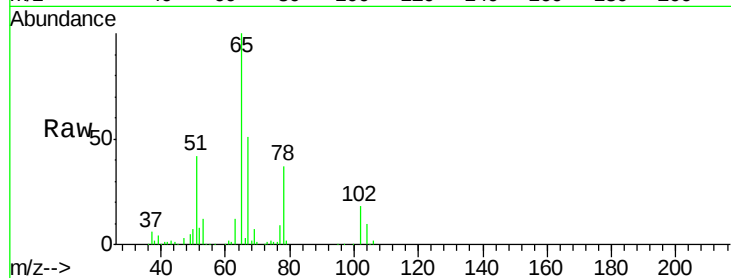
67 50.0 39.8 59.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

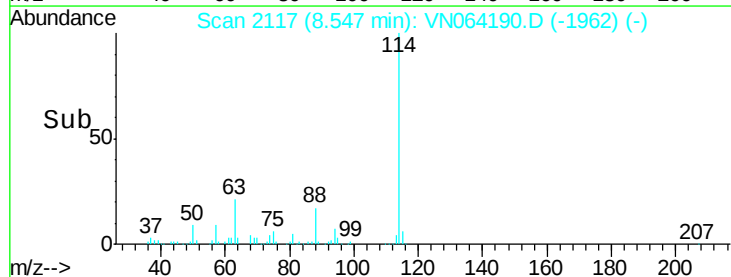
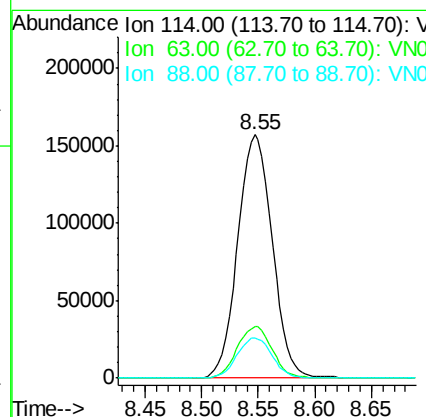
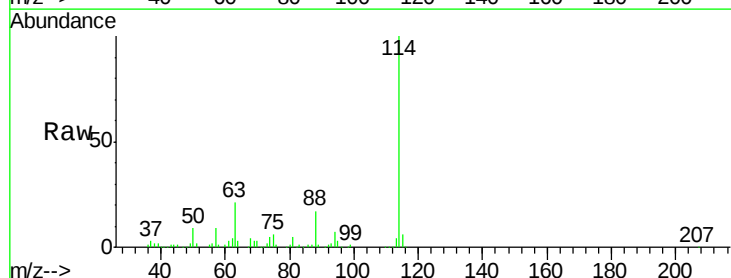
Tgt Ion: 114 Resp: 334930

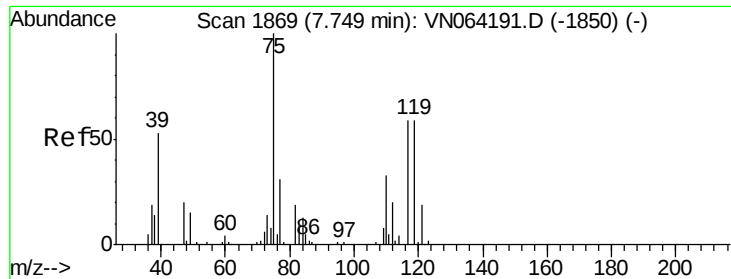
Ion Ratio Lower Upper

114 100

63 21.4 17.0 25.4

88 16.8 13.0 19.4





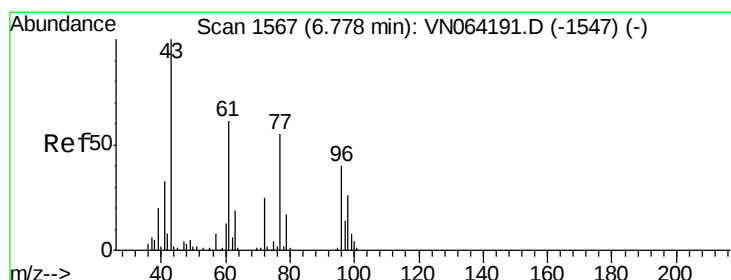
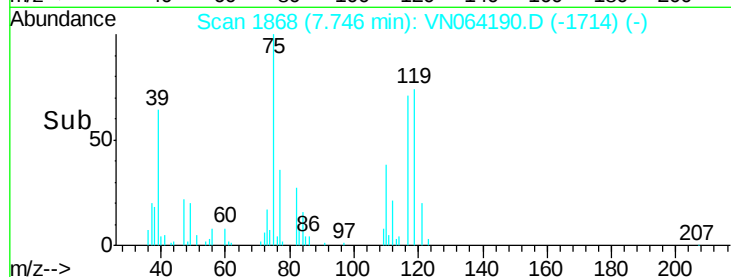
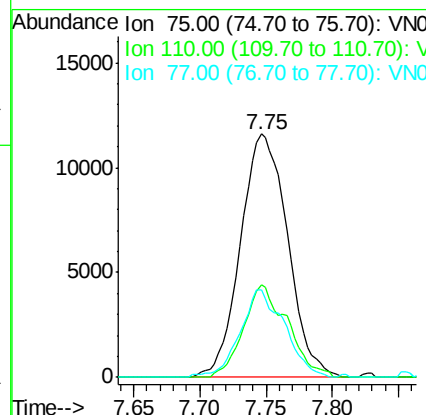
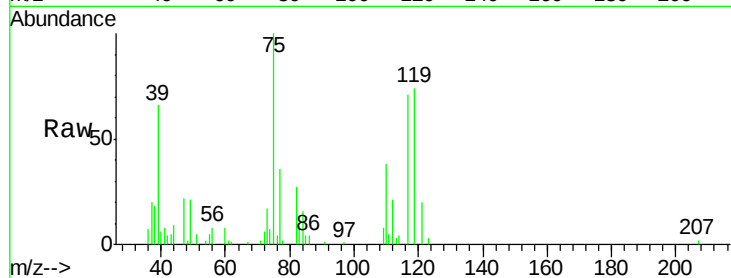
#29
1,1-Dichloropropene
 Concen: 5.134 ug/l
 RT: 7.75 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	25.2	0.0	66.8
77	33.7	0.0	63.6

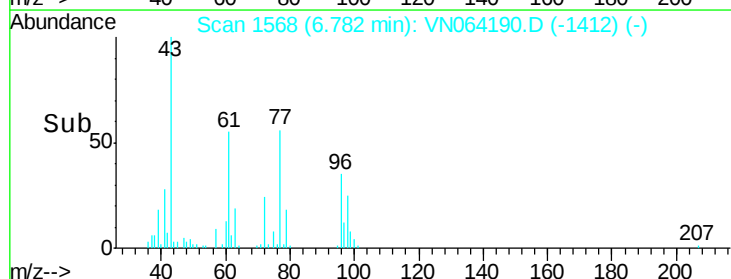
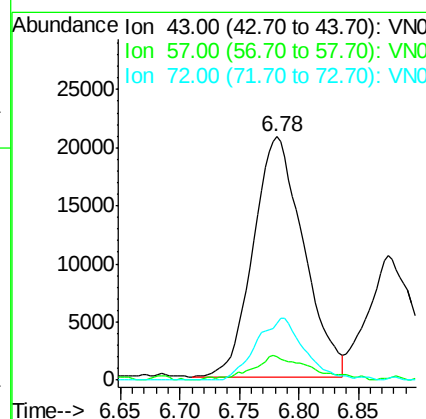
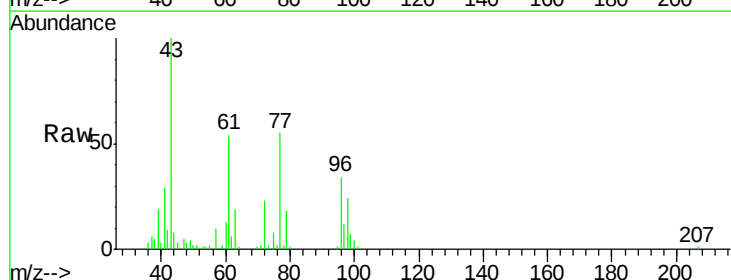
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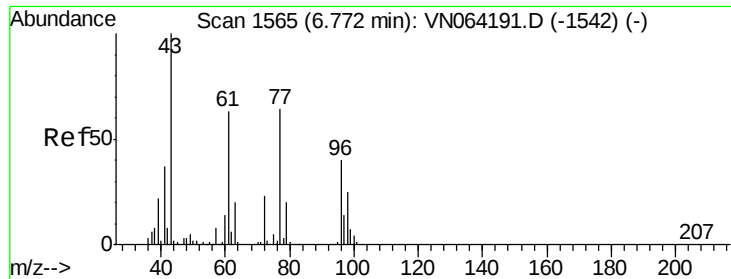
MMDadoda
 10/23/2020 2:28:32 PM



#30
2-Butanone
 Concen: 22.808 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	5.8	8.6
72	24.2	19.8	29.8





#31

2,2-Dichloropropane

Concen: 5.836 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 77 Resp: 39408

Ion Ratio Lower Upper

77 100

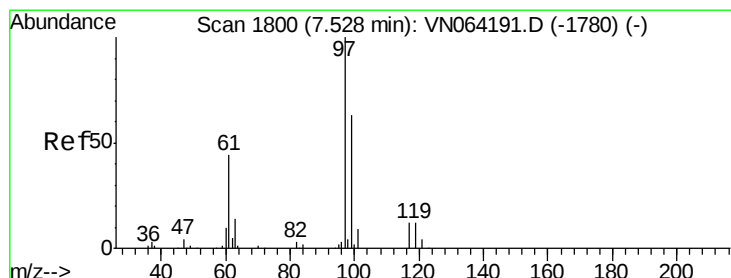
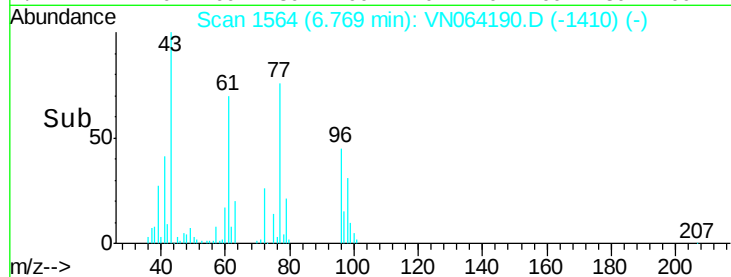
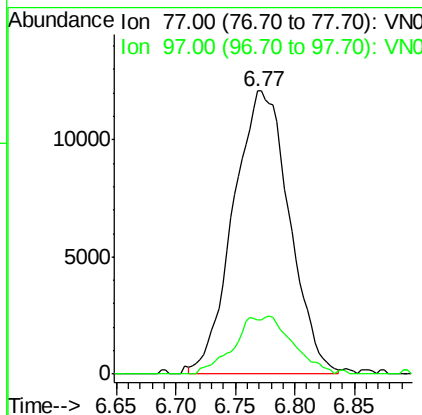
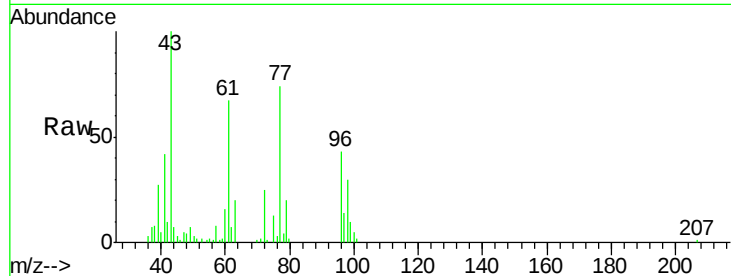
97 9.2 17.3 25.9#

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#32

1,1,1-Trichloroethane

Concen: 5.320 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

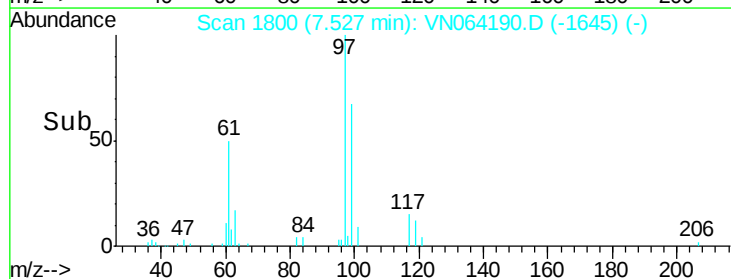
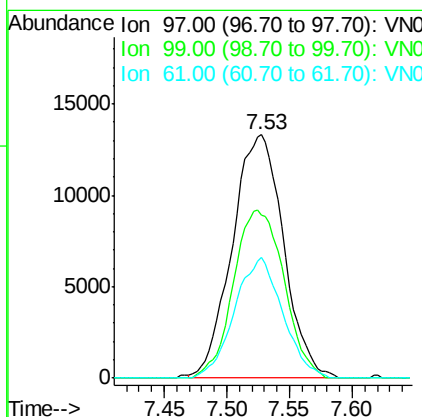
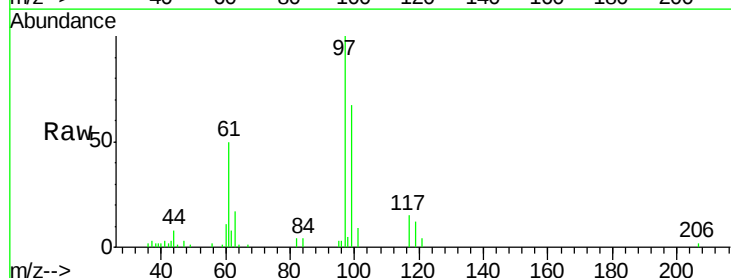
Tgt Ion: 97 Resp: 37818

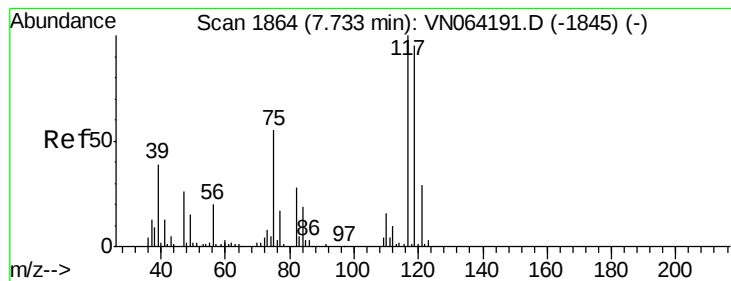
Ion Ratio Lower Upper

97 100

99 68.0 51.3 76.9

61 46.7 34.8 52.2





#33

Carbon Tetrachloride

Concen: 5.534 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

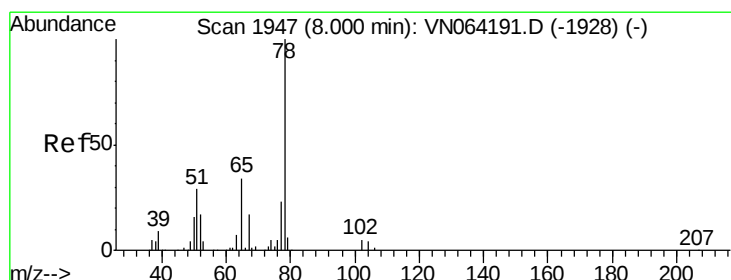
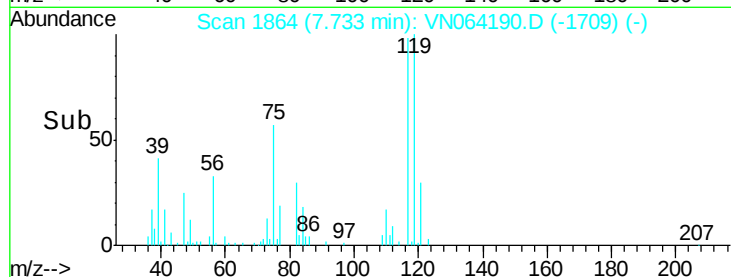
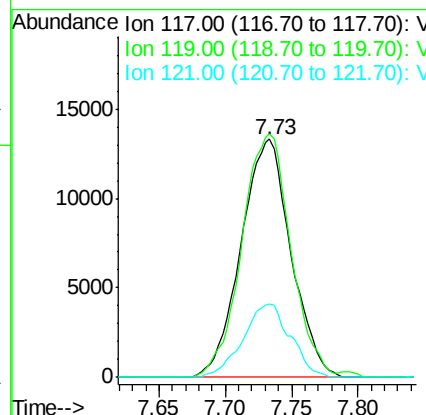
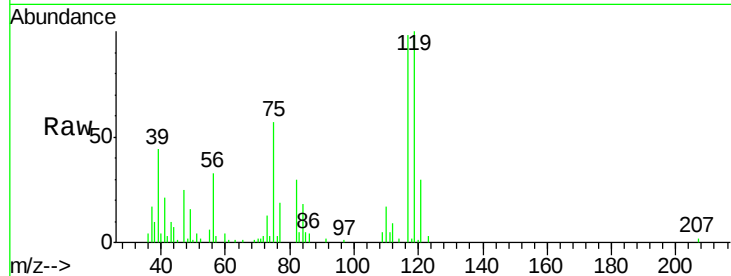
ClientSampleId :

VSTDIC005

Tot Ion:	117	Resp:	34823
Ion	Ratio	Lower	Upper
117	100		
119	102.2	76.0	114.0
121	30.6	23.0	34.6

Manual Integrations
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#34

Benzene

Concen: 5.102 ug/l

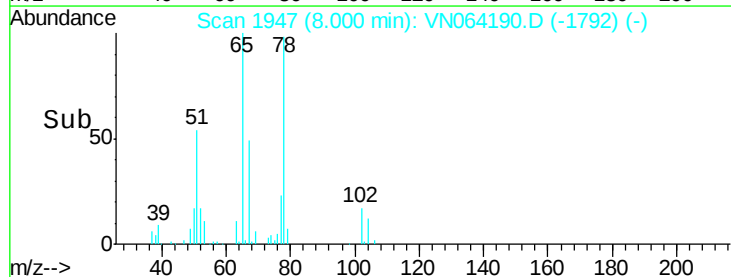
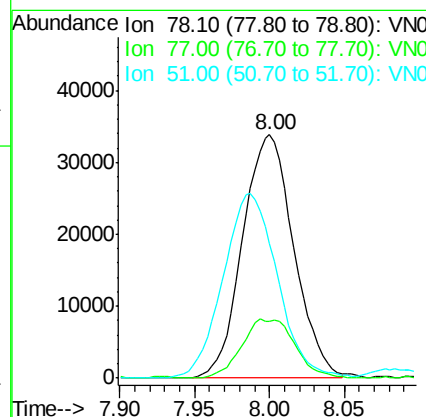
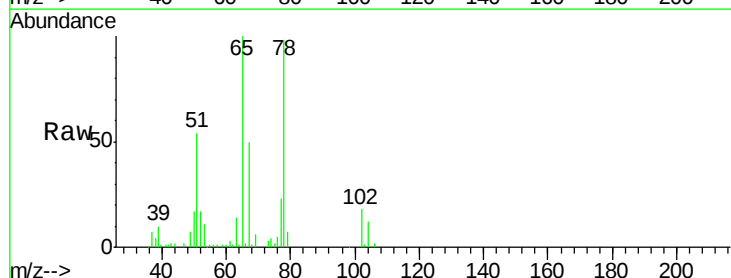
RT: 8.00 min Scan# 1947

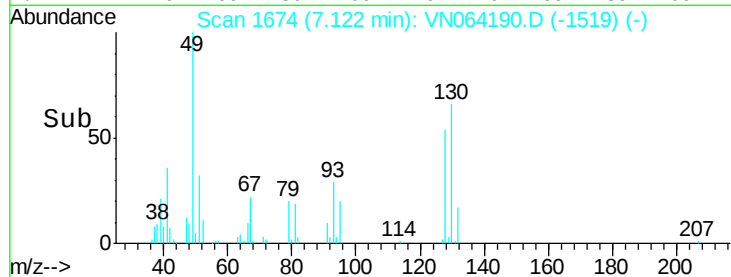
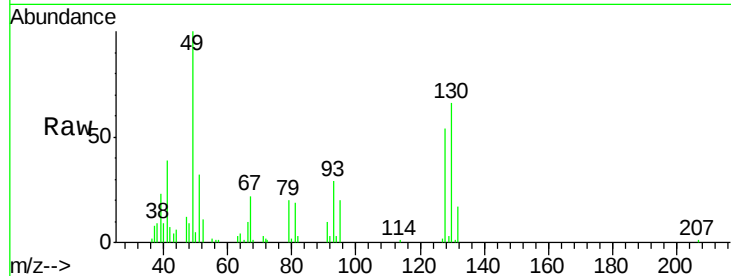
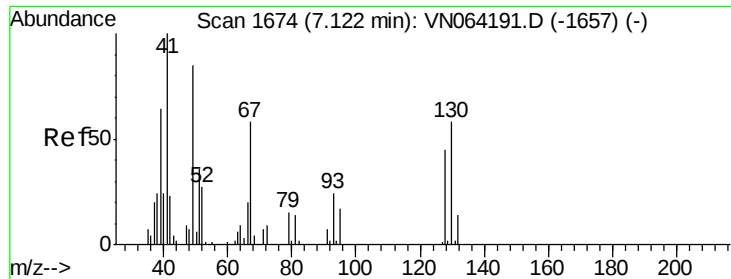
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion:	78	Resp:	80544
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.4	27.6
51	54.1	23.0	34.6#





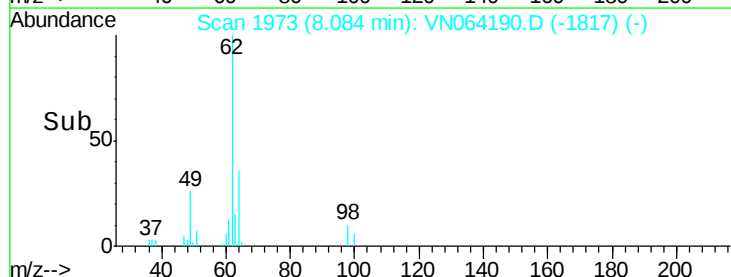
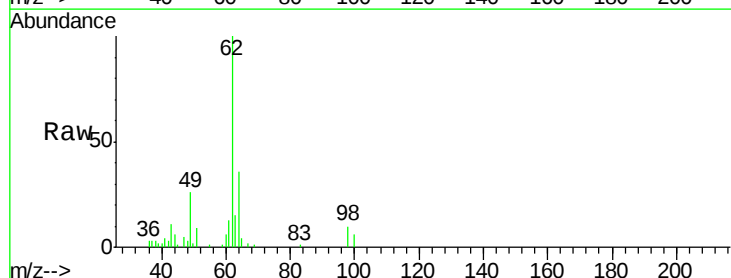
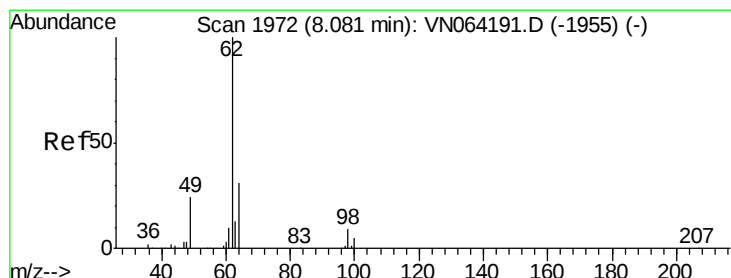
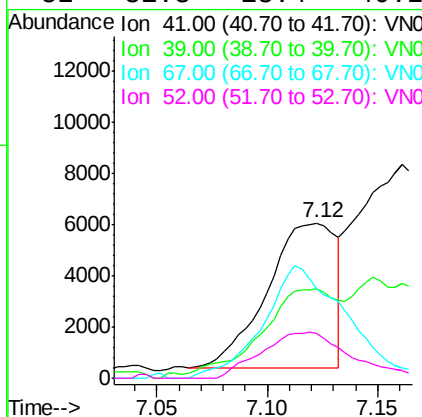
#35
Methacrylonitrile
Concen: 4.667 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tot Ion	41.00 (40.70 to 41.70): VNO	Resp	12186
Ion	Ratio	Lower	Upper
41	100		
39	58.9	32.1	96.3
67	61.8	28.9	86.8
52	31.3	13.4	40.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

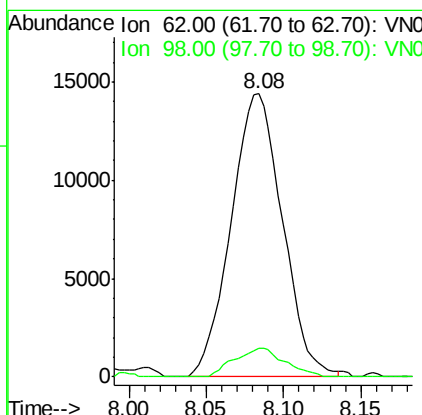
Manual Integrations
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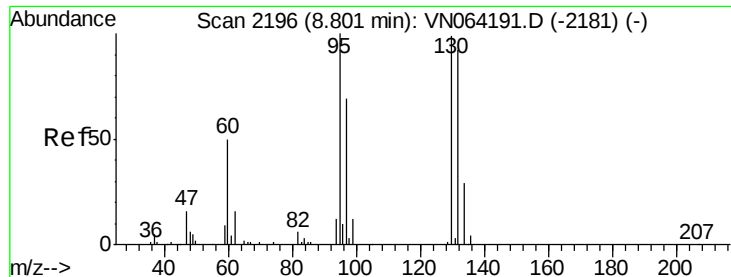
MMDadoda
10/23/2020 2:28:32 PM



#36
1,2-Dichloroethane
Concen: 4.838 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	62.00 (61.70 to 62.70): VNO	Resp	33191
Ion	Ratio	Lower	Upper
62	100		
98	10.0	6.3	9.5#





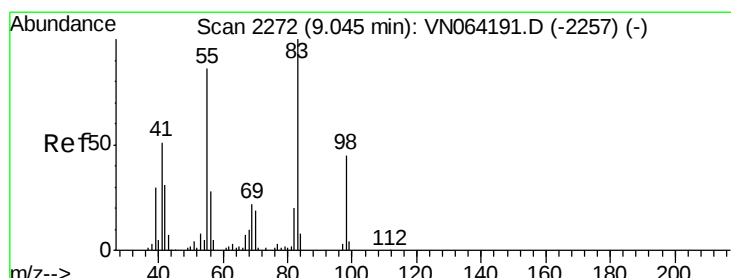
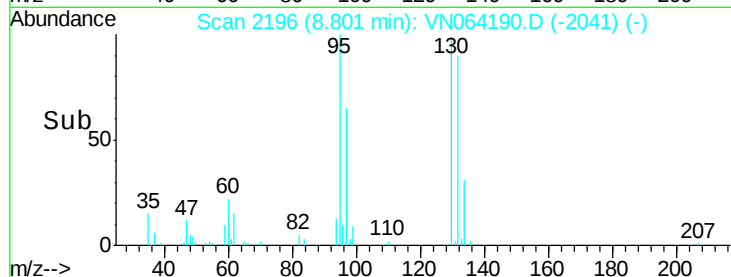
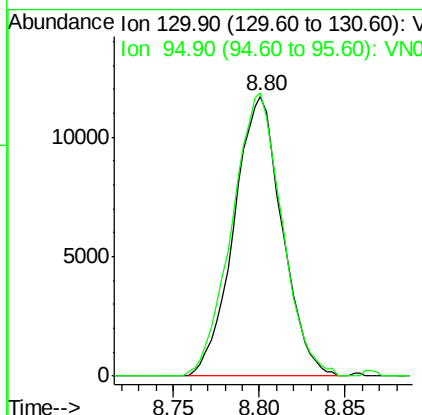
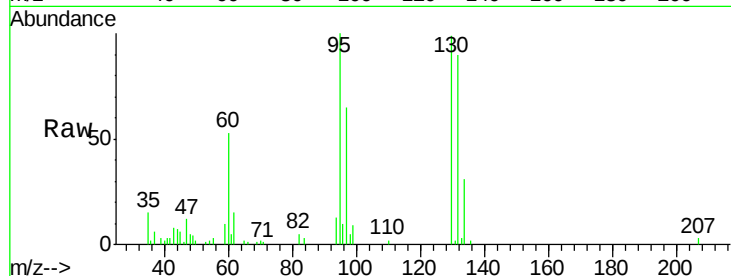
#37
 Trichloroethene
 Concen: 5.440 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
130	100		
95	101.2	81.0	121.4

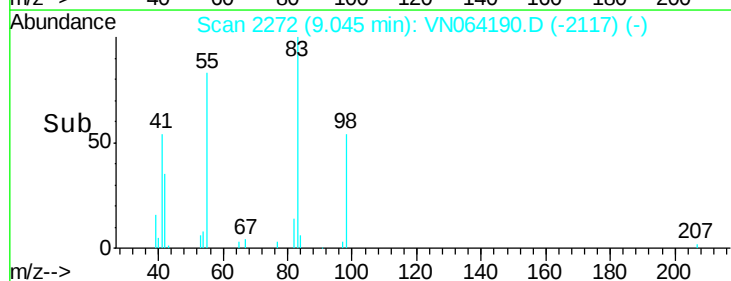
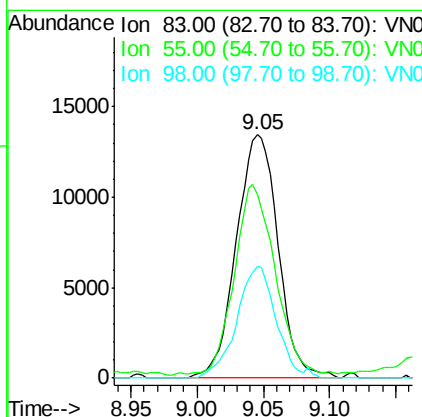
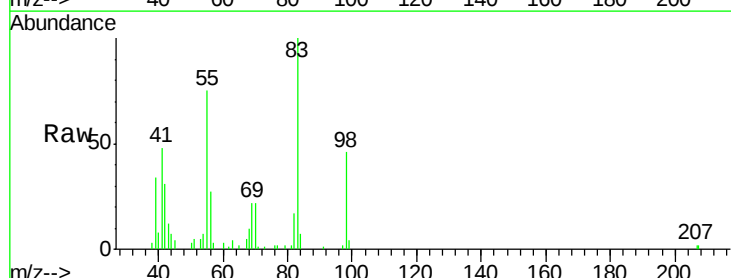
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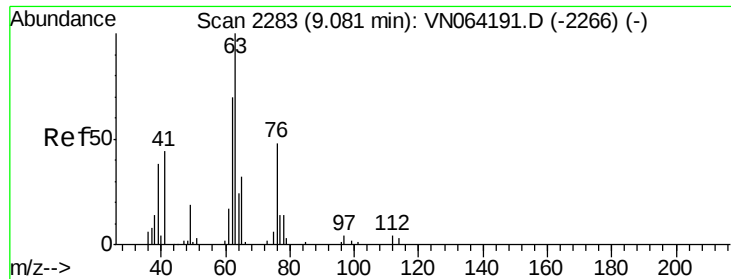
MMDadoda
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#38
 Methylcyclohexane
 Concen: 6.102 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.8	40.3	120.9
98	42.7	22.4	67.0





#39

1,2-Dichloropropane

Concen: 5.098 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 21764

Ion Ratio Lower Upper

63 100

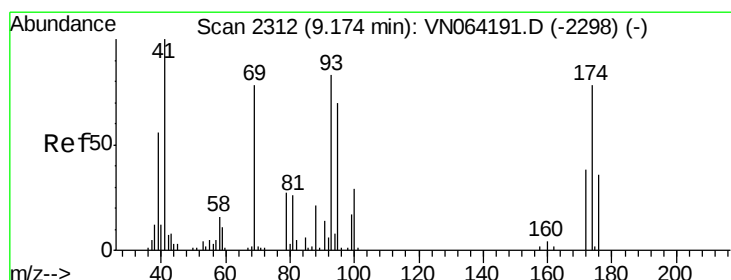
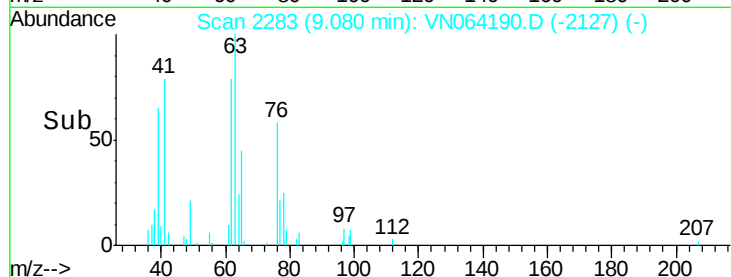
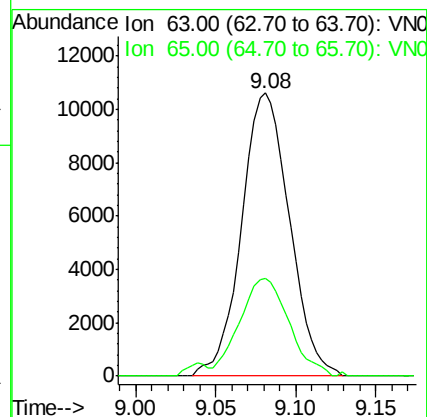
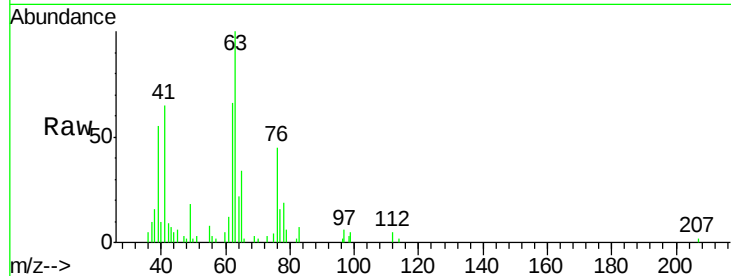
65 33.0 26.5 39.7

Manual Integrations

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#40

Dibromomethane

Concen: 5.501 ug/l

RT: 9.17 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

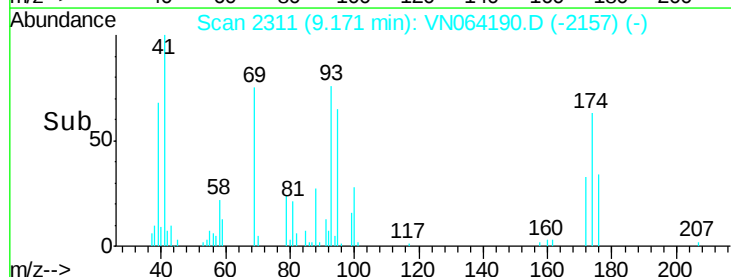
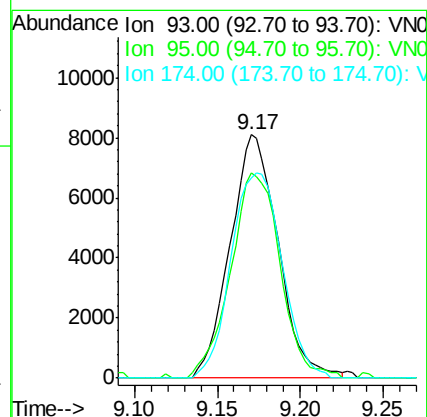
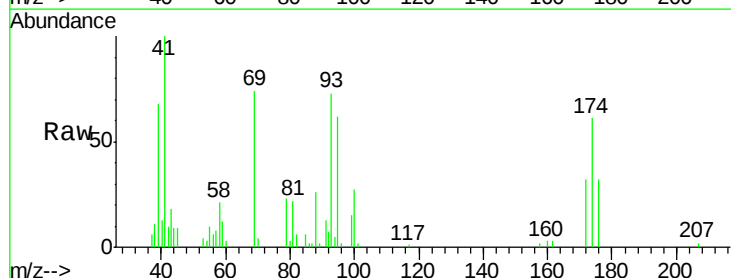
Tgt Ion: 93 Resp: 16338

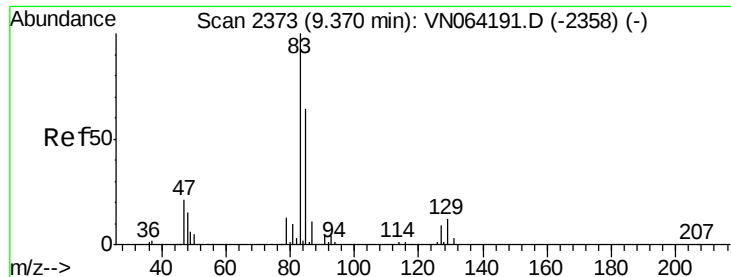
Ion Ratio Lower Upper

93 100

95 87.1 0.0 169.2

174 89.6 0.0 187.4





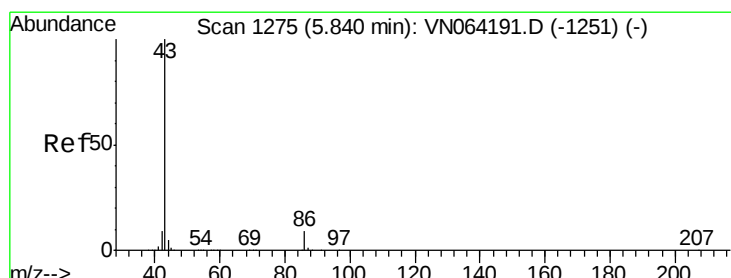
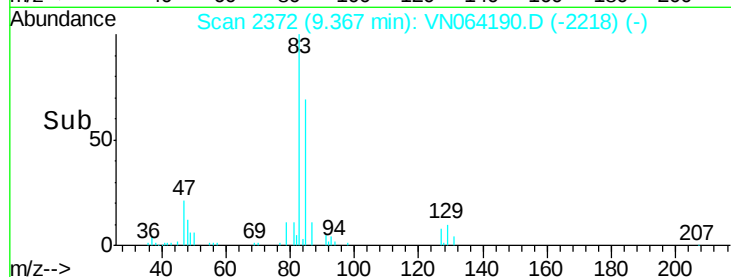
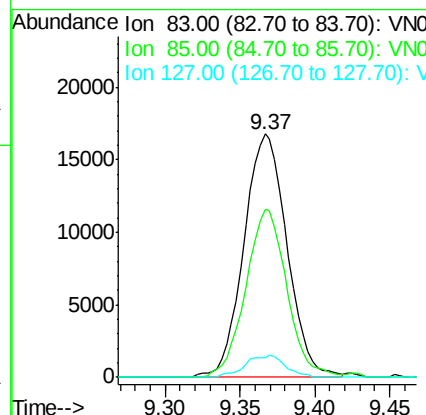
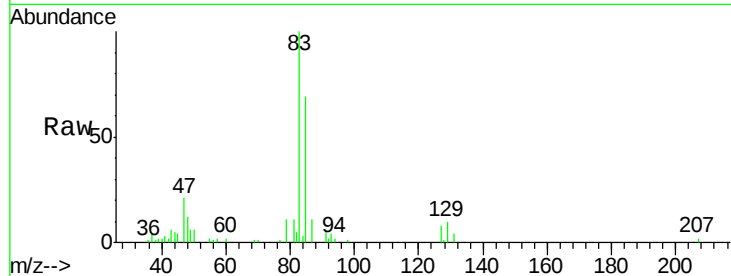
#41
Bromodichloromethane
Concen: 5.366 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	33626
Ion Ratio	100	Lower	Upper
83	100		
85	69.0	51.5	77.3
127	9.4	6.8	10.2

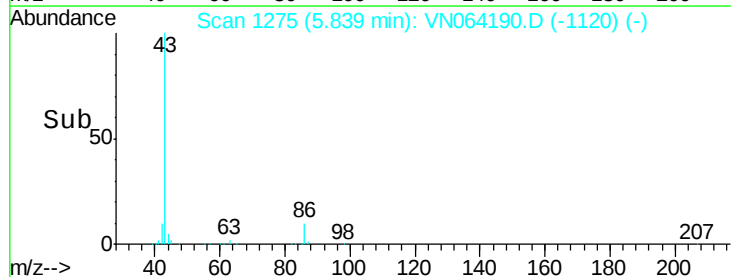
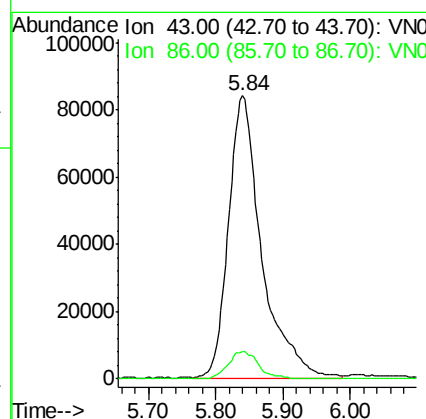
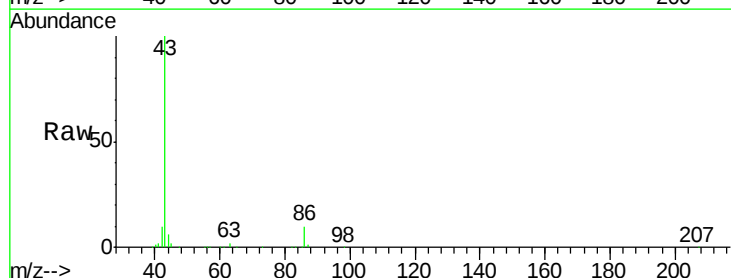
Manual Integrations
APPROVED

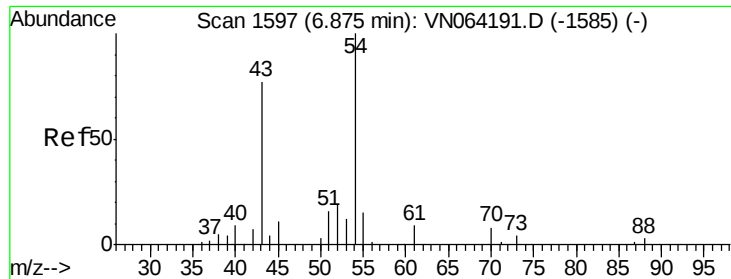
MMDadoda
10/23/2020 2:28:32 PM



#42
Vinyl Acetate
Concen: 25.387 ug/l
RT: 5.84 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	43	Resp	286964
Ion Ratio	100	Lower	Upper
43	100		
86	8.8	6.7	10.1





#43

Ethyl Acetate

Concen: 4.633 ug/l

RT: 6.87 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 26675

Ion Ratio Lower Upper

43 100

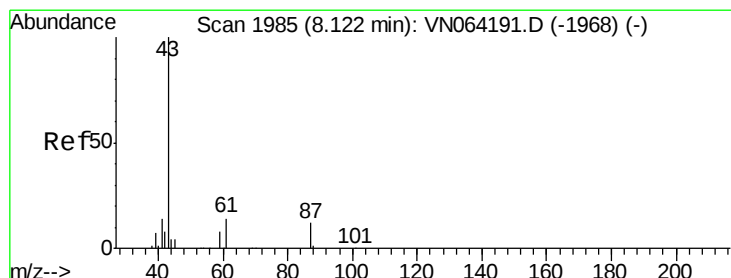
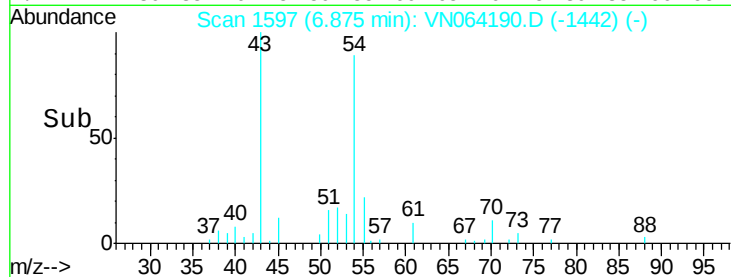
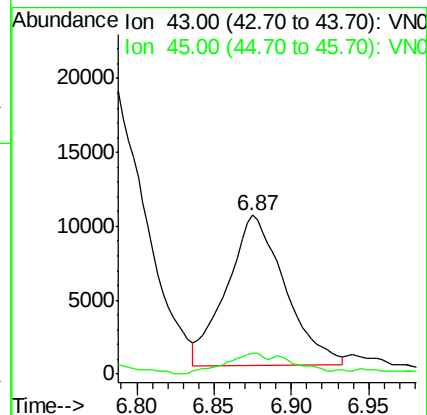
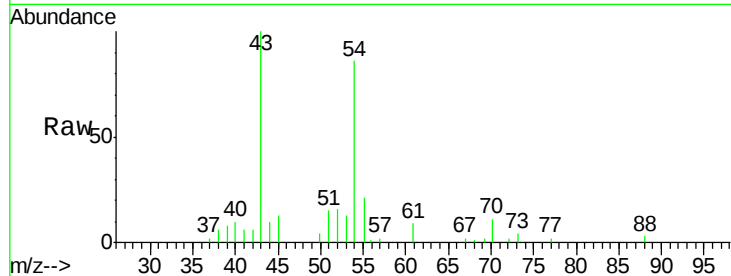
45 9.6 9.8 14.8#

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#44

Isopropyl Acetate

Concen: 5.429 ug/l

RT: 8.12 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN064190.D

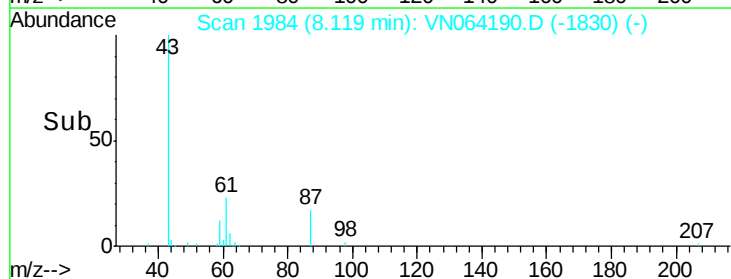
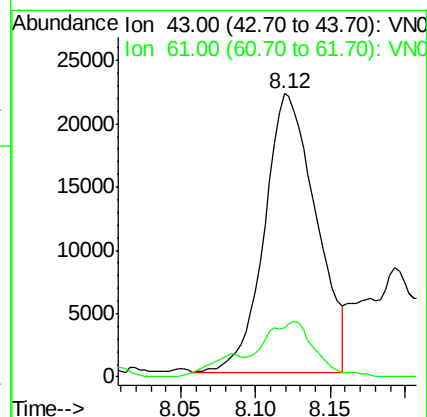
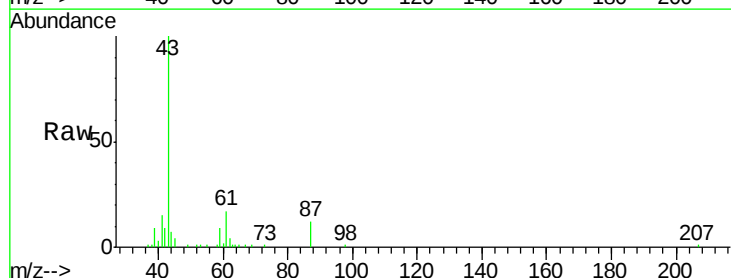
Acq: 20 Oct 2020 9:49

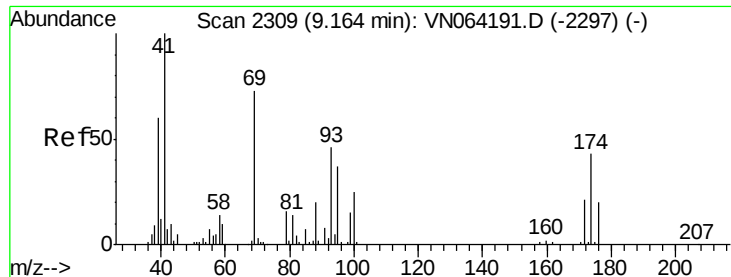
Tgt Ion: 43 Resp: 52750

Ion Ratio Lower Upper

43 100

61 16.9 18.7 28.1#





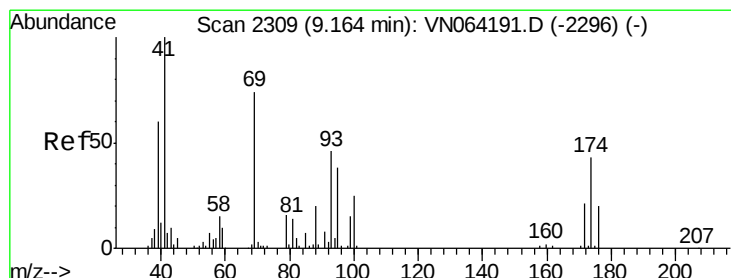
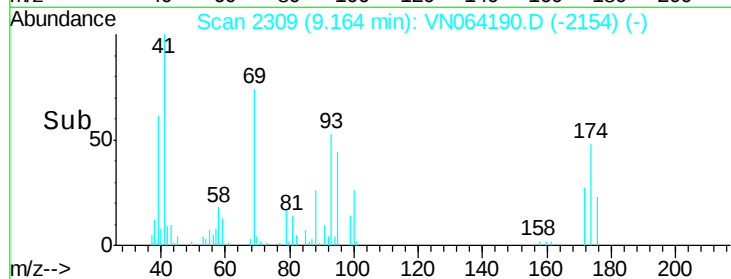
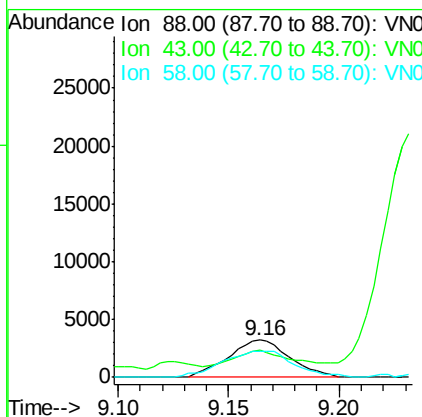
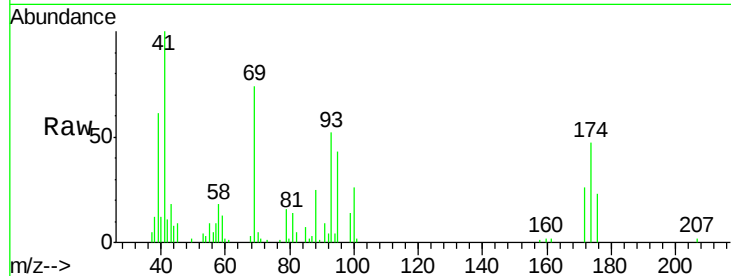
#45
 1,4-Dioxane
 Concen: 102.964 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	88	Resp	6259
Ion	Ratio	Lower	Upper
88	100		
43	48.8	37.0	55.4
58	81.9	62.4	93.6

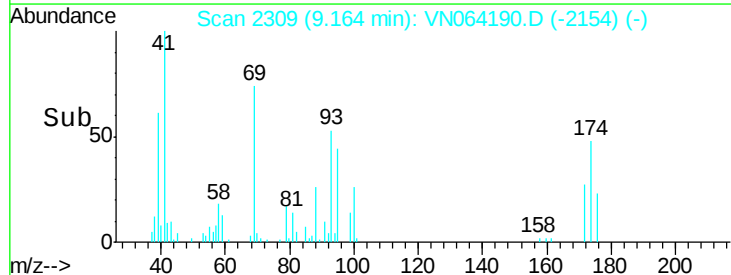
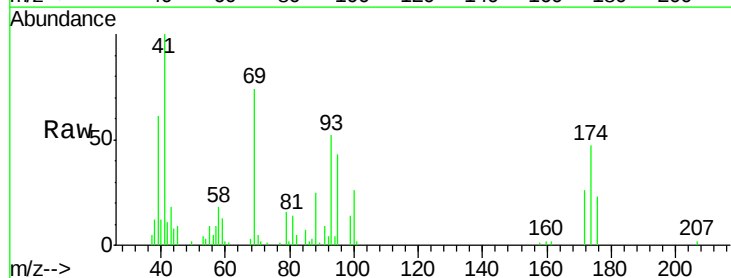
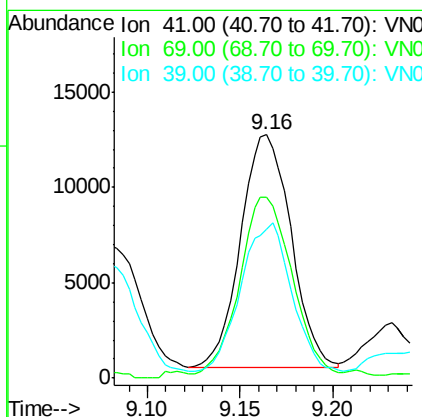
Manual Integrations
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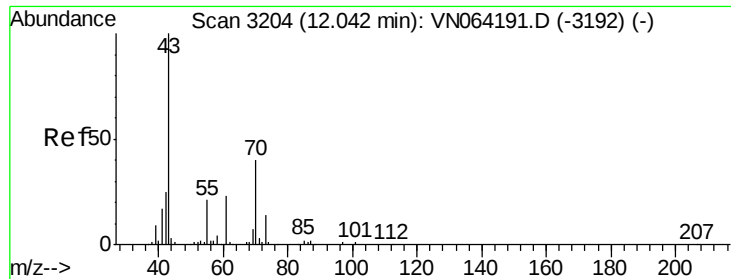
MMDadoda
 10/23/2020 2:28:32 PM



#46
 Methyl methacrylate
 Concen: 4.826 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	41	Resp	23135
Ion	Ratio	Lower	Upper
41	100		
69	75.9	36.8	110.4
39	61.3	30.4	91.2





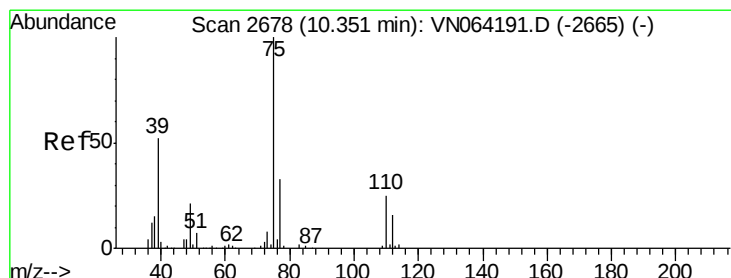
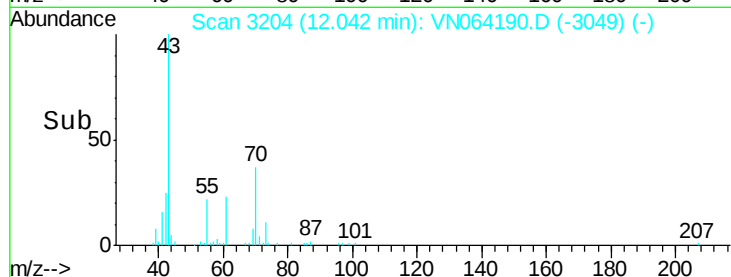
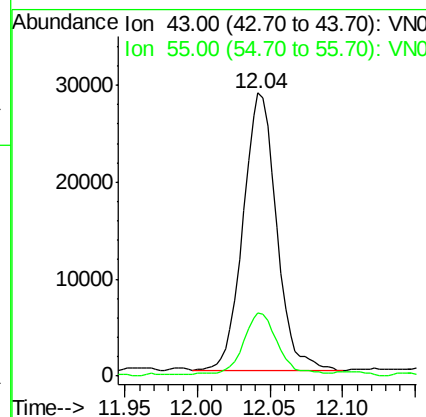
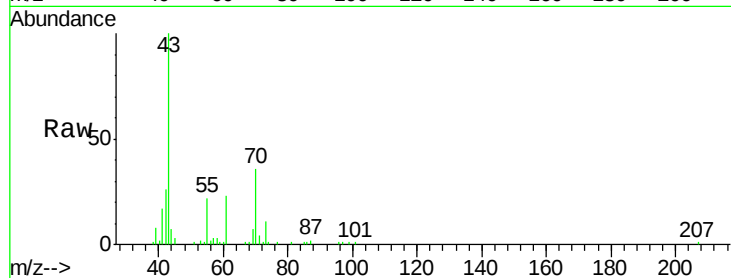
#47
n-amvl Acetate
Concen: 5.340 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 46226
Ion Ratio Lower Upper
43 100
55 22.6 17.6 26.4

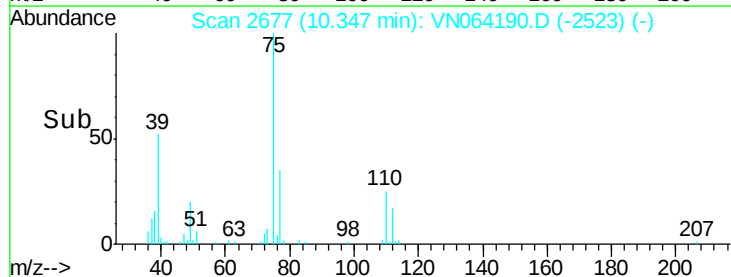
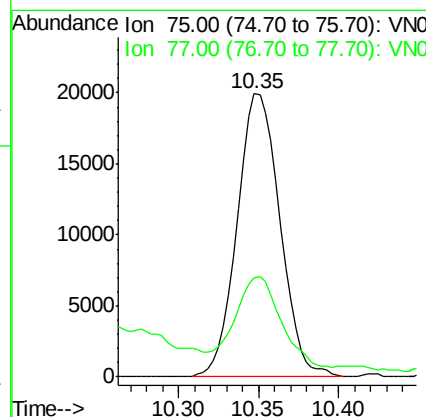
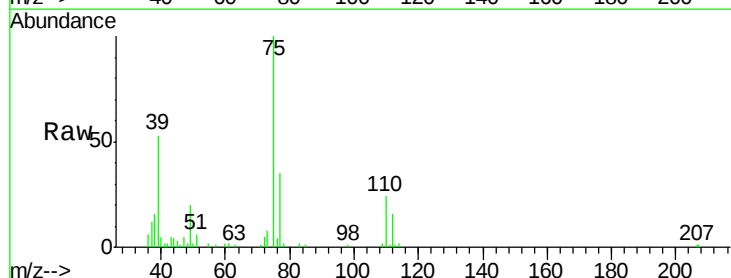
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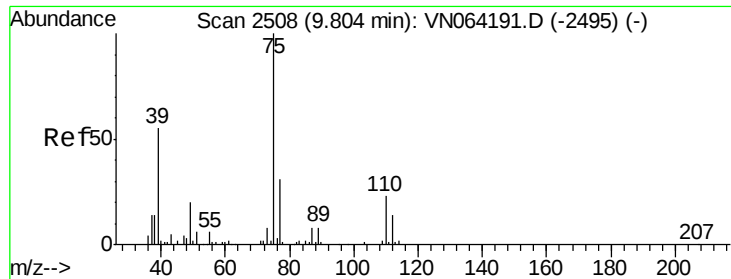
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 5.342 ug/l
RT: 10.35 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 75 Resp: 36420
Ion Ratio Lower Upper
75 100
77 31.2 27.4 41.2





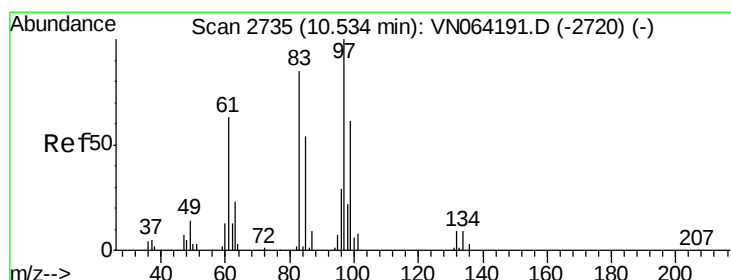
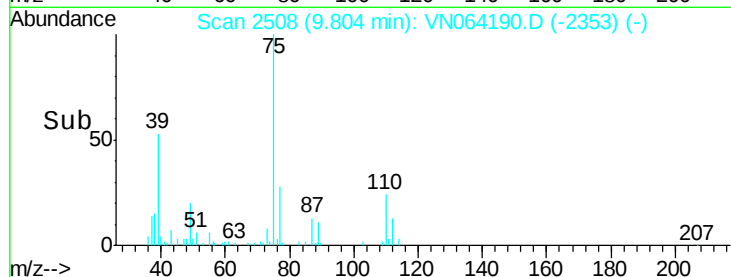
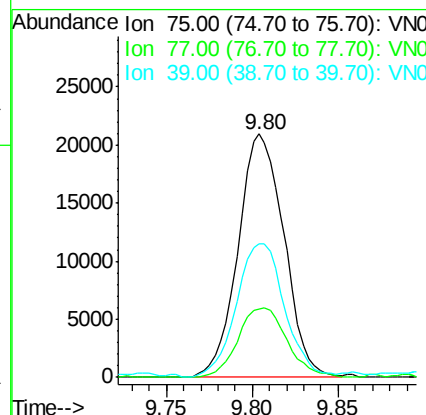
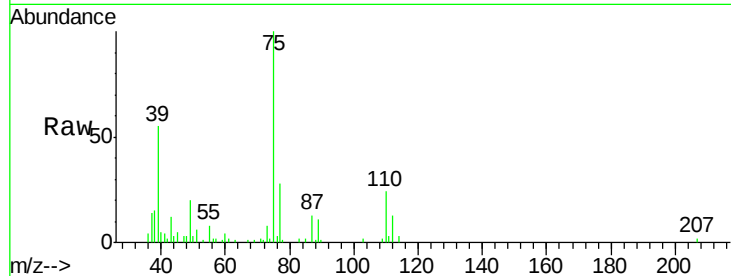
#49
 cis-1,3-Dichloropropene
 Concen: 5.475 ug/l
 RT: 9.80 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	38788
Ion Ratio	Lower	Upper	
75	100		
77	28.0	24.5	36.7
39	54.8	43.8	65.8

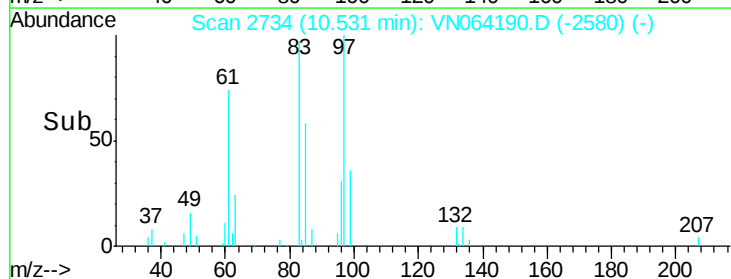
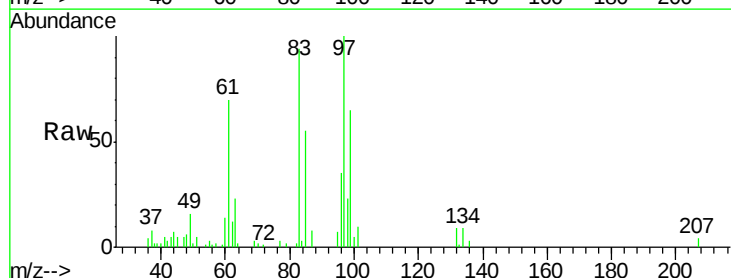
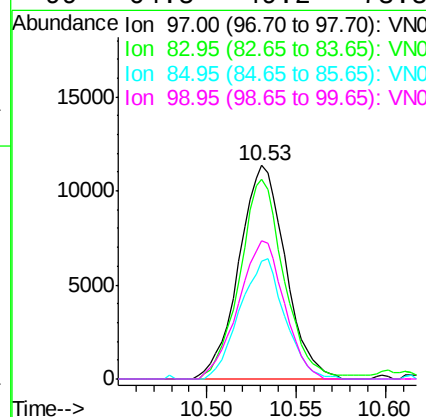
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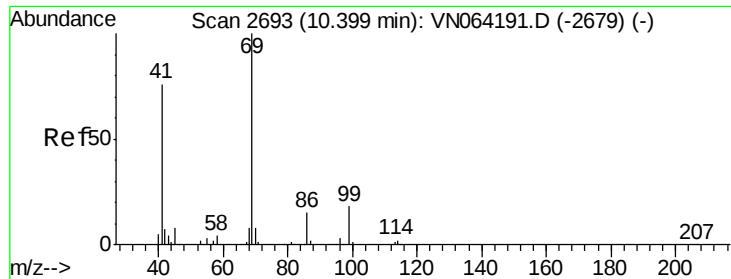
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#50
 1,1,2-Trichloroethane
 Concen: 5.156 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion:	97	Resp:	20681
Ion Ratio	Lower	Upper	
97	100		
83	93.7	67.7	101.5
85	55.3	43.2	64.8
99	64.5	49.2	73.8





#51

Ethyl methacrylate

Concen: 5.605 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

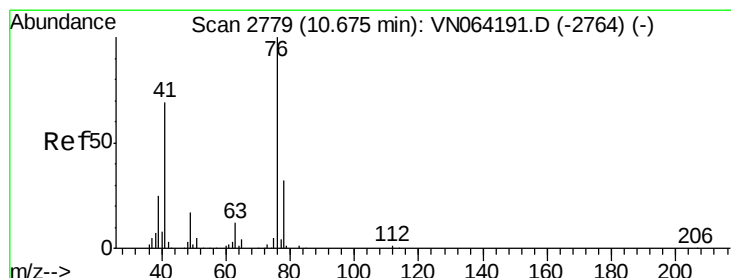
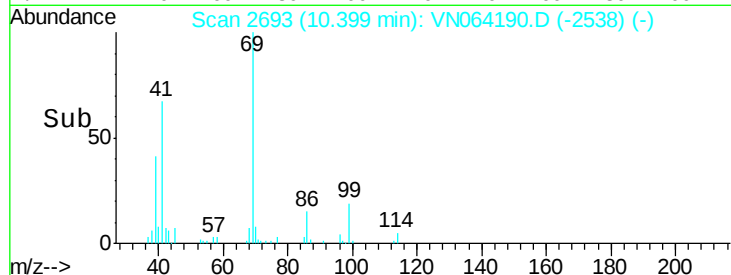
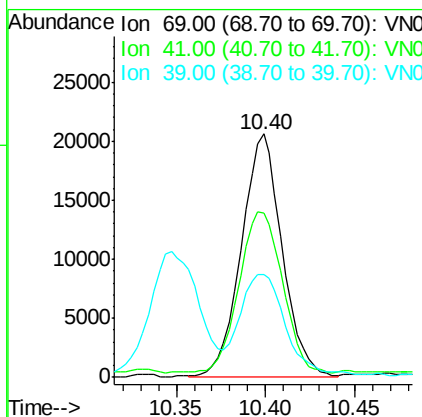
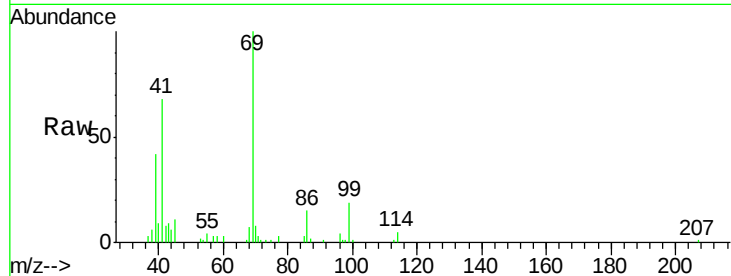
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	33122
Ion	Ratio	Lower	Upper
69	100		
41	66.0	38.0	114.1
39	40.3	21.4	64.3

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#52

1,3-Dichloropropane

Concen: 5.237 ug/l

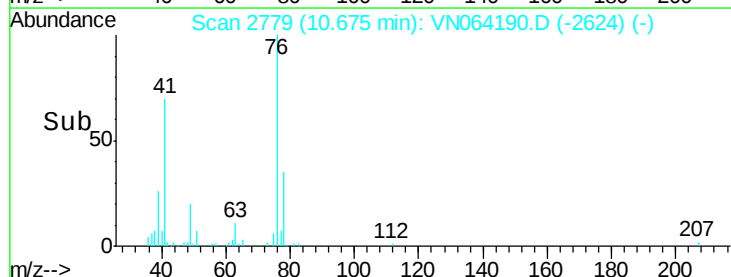
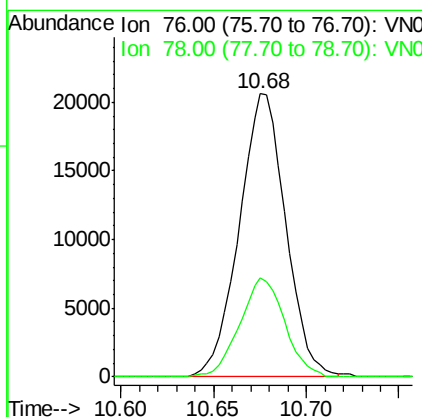
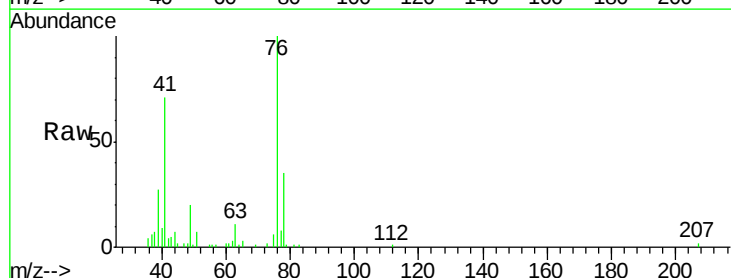
RT: 10.68 min Scan# 2779

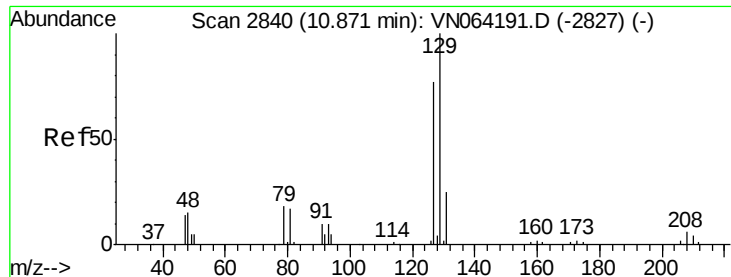
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion:	76	Resp:	35982
Ion	Ratio	Lower	Upper
76	100		
78	33.8	0.0	64.4





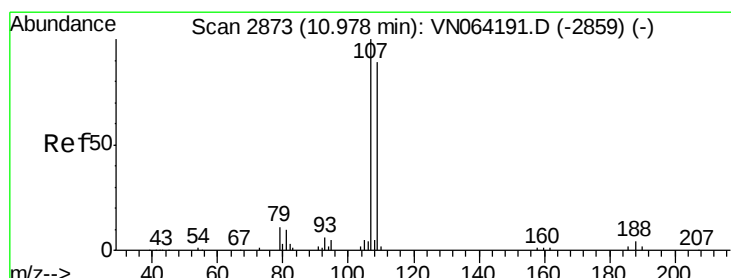
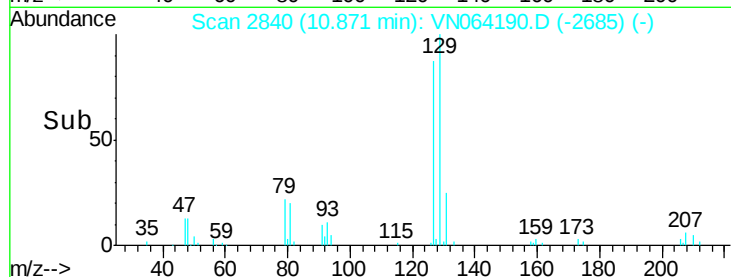
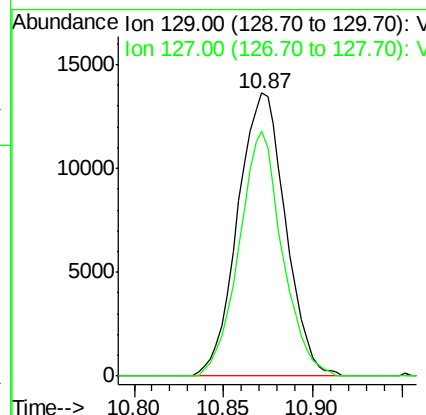
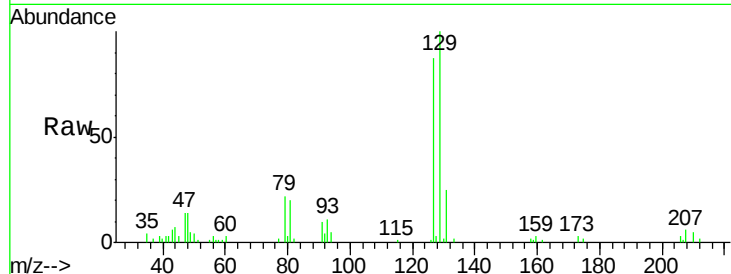
#53
 Dibromochloromethane
 Concen: 5.469 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.0	117.0

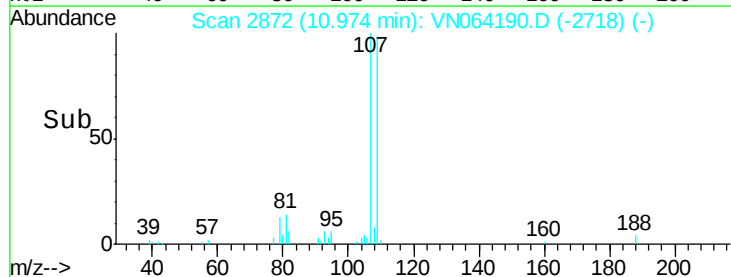
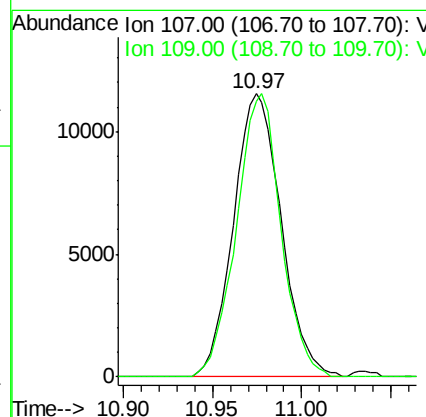
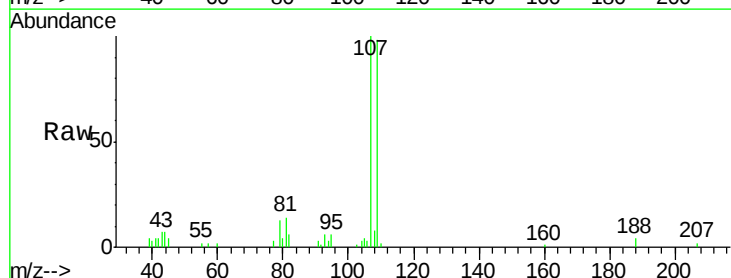
Manual Integrations
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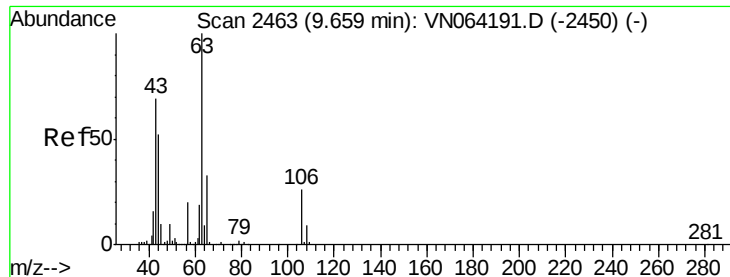
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#54
 1,2-Dibromoethane
 Concen: 5.111 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	71.8	107.8





#55

2-Chloroethyl vinyl ether

Concen: 21.044 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

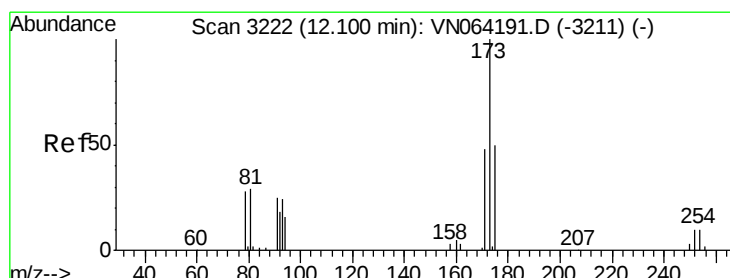
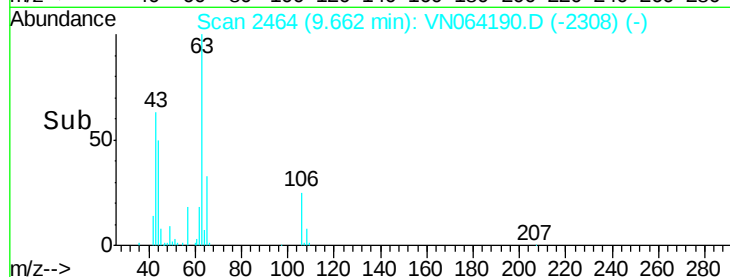
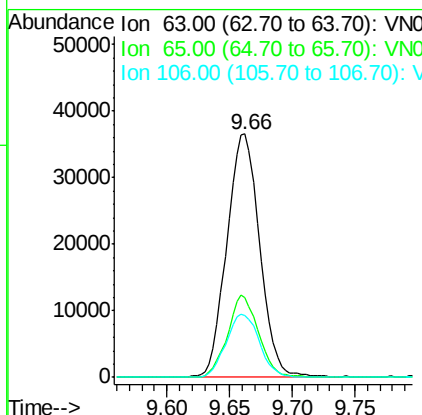
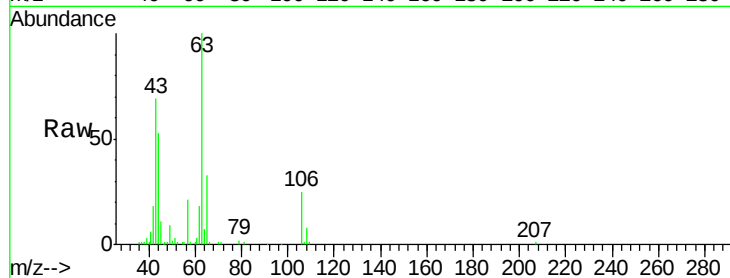
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	66755
Ion	Ratio	Lower	Upper
63	100		
65	31.7	25.9	38.9
106	25.9	21.4	32.2

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#56

Bromoform

Concen: 5.147 ug/l

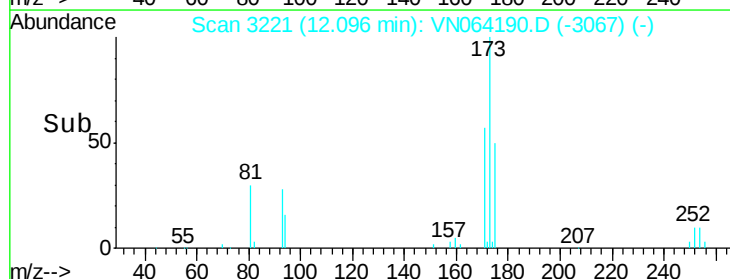
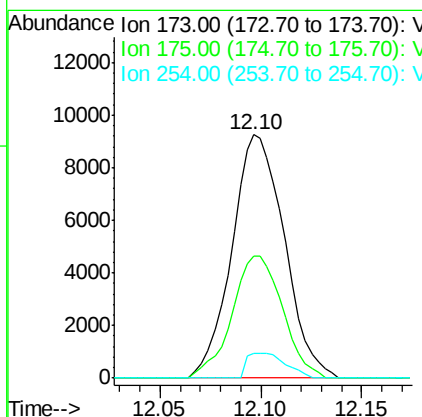
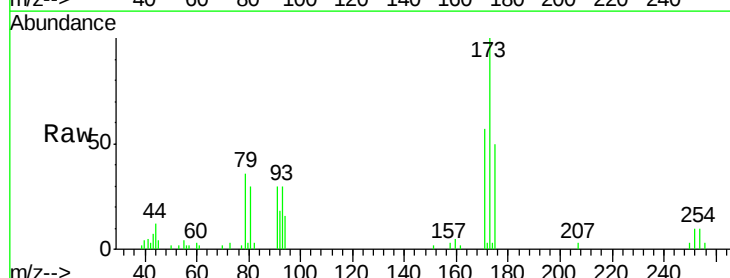
RT: 12.10 min Scan# 3221

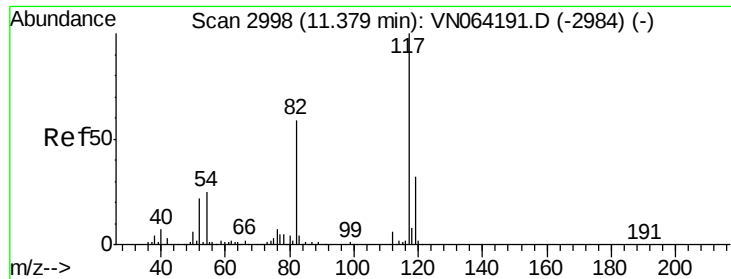
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion:	173	Resp:	16805
Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.4
254	0.0	6.8	10.2#





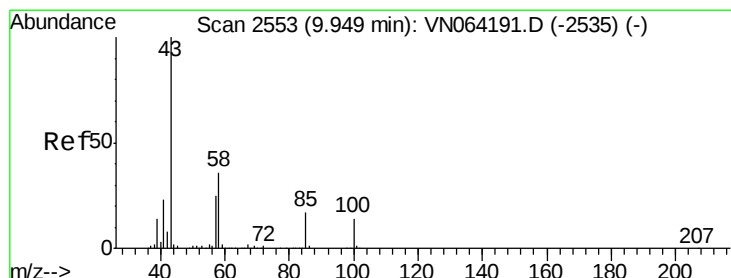
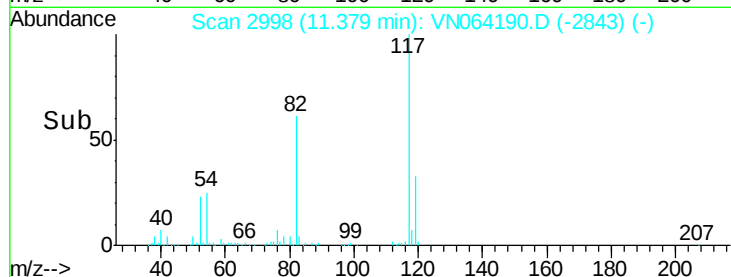
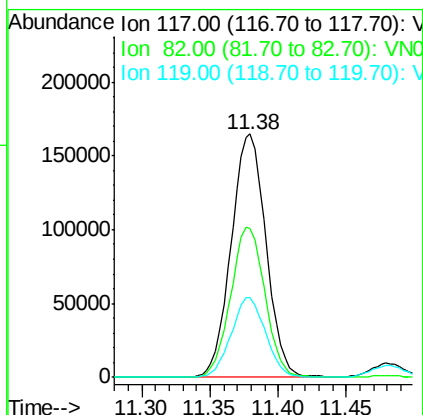
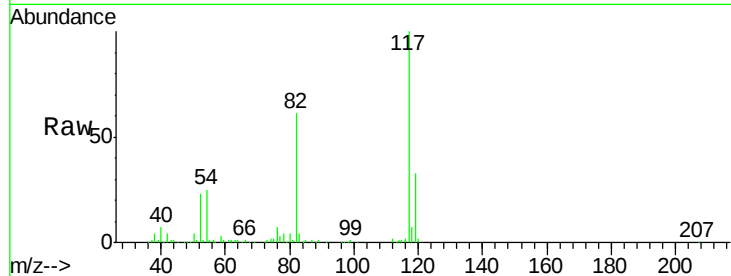
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292354		
82	60.8	47.8	71.8	
119	32.4	25.7	38.5	

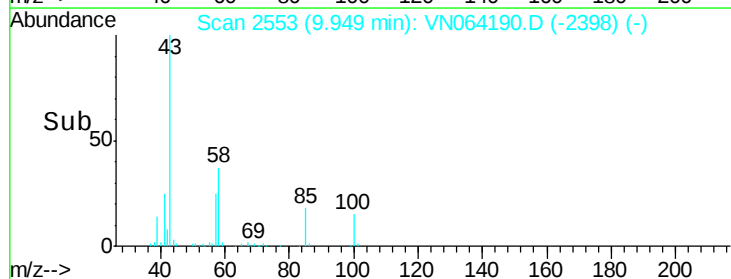
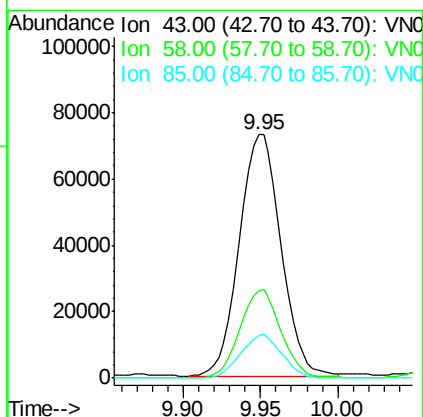
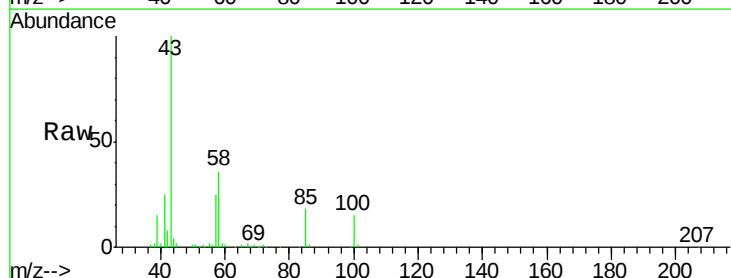
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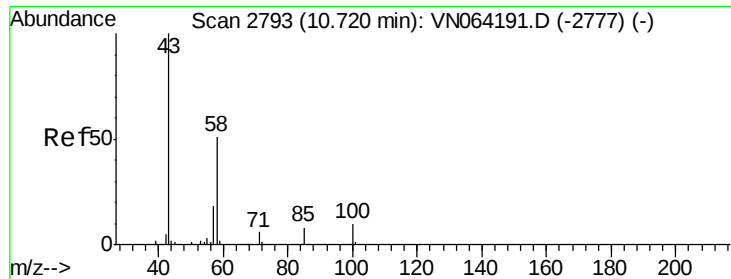
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 25.748 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	136835		
58	36.0	29.5	44.3	
85	17.9	13.7	20.5	





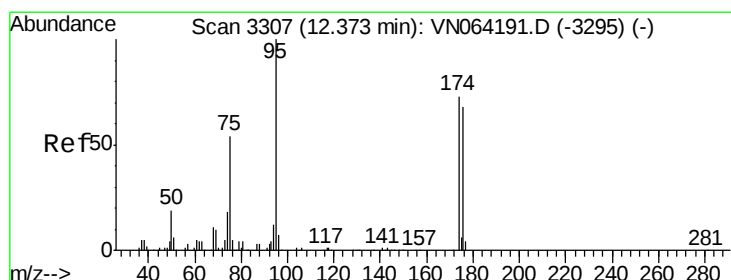
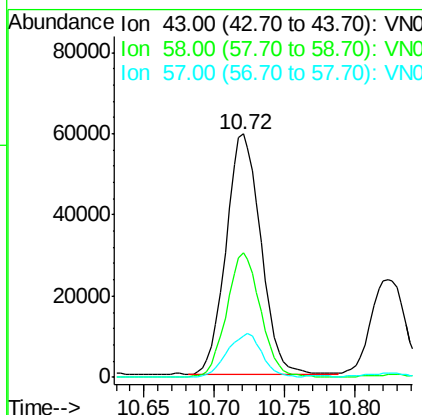
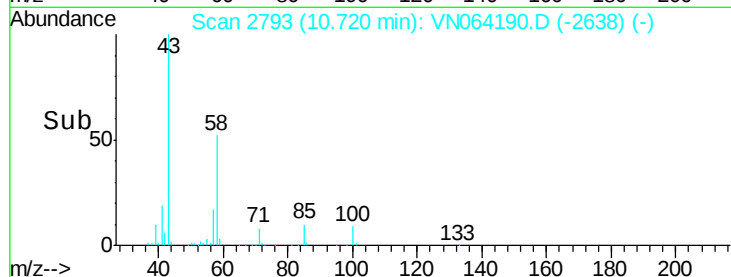
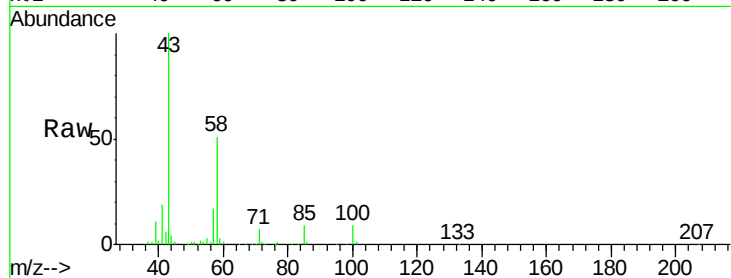
#59
2-Hexanone
Concen: 25.890 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.3	40.2	60.4
57	18.1	14.8	22.2

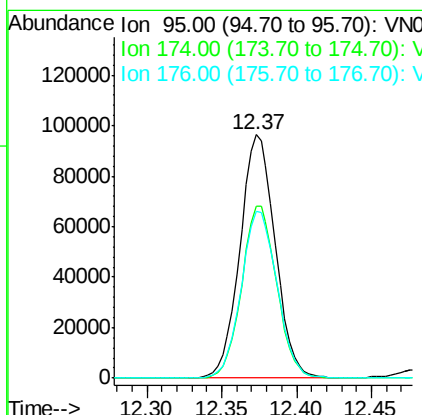
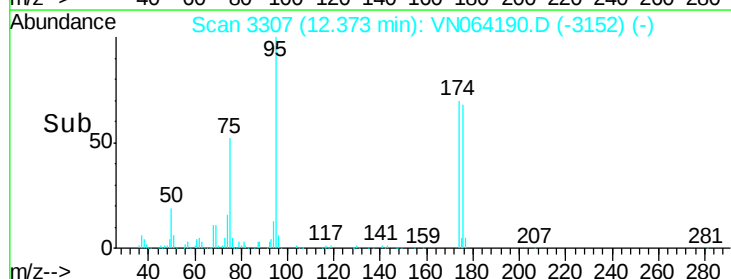
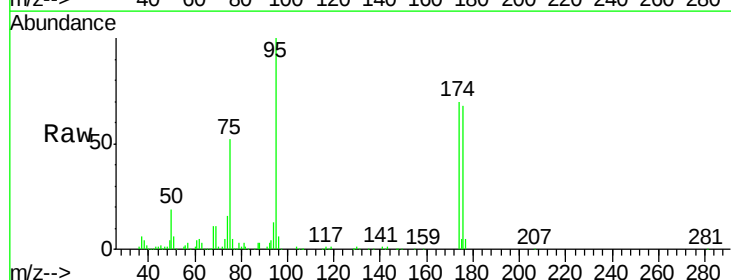
Manual Integrations
APPROVED

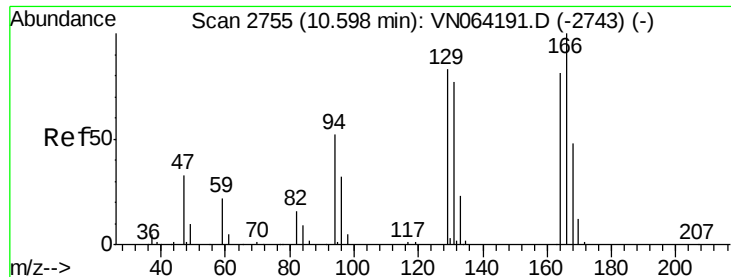
MMDadoda
10/23/2020 2:28:32 PM



#60
4-Bromofluorobenzene
Concen: 31.031 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	57.6	86.4
176	69.8	54.9	82.3





#61

Tetrachloroethene

Concen: 6.461 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

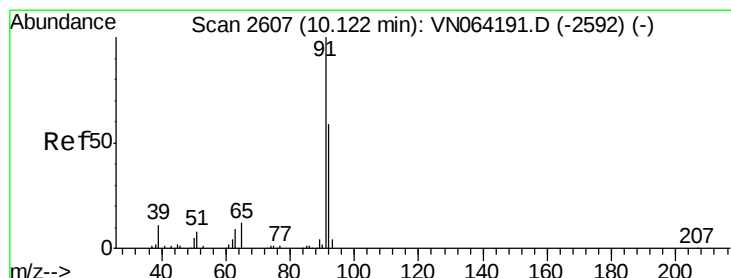
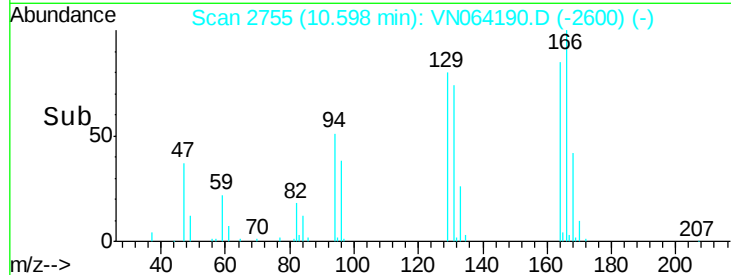
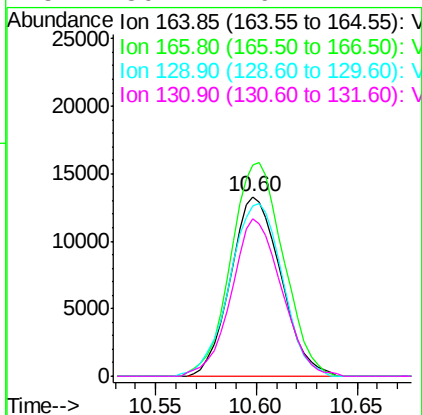
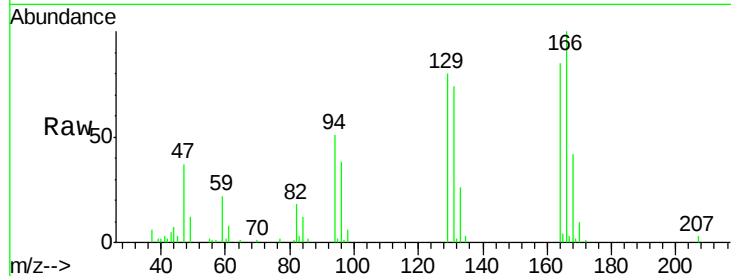
ClientSampleId :

VSTDIC005

Tot Ion	164	Resp	23183
Ion Ratio	Lower	Upper	
164	100		
166	117.8	99.2	148.8
129	94.5	82.8	124.2
131	86.1	76.2	114.4

Manual Integrations
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10/23/2020 2:28:32 PM



#62

Toluene

Concen: 5.677 ug/l

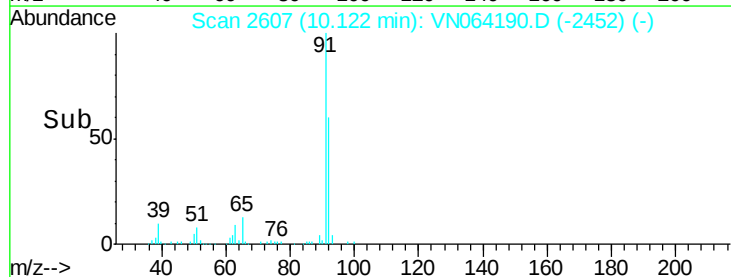
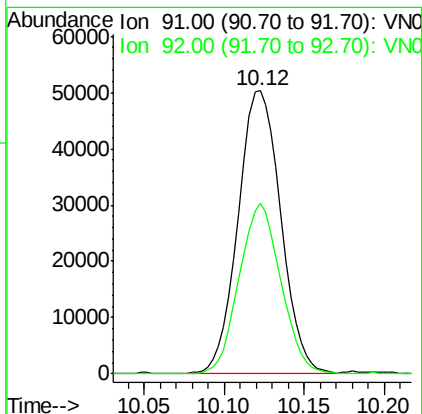
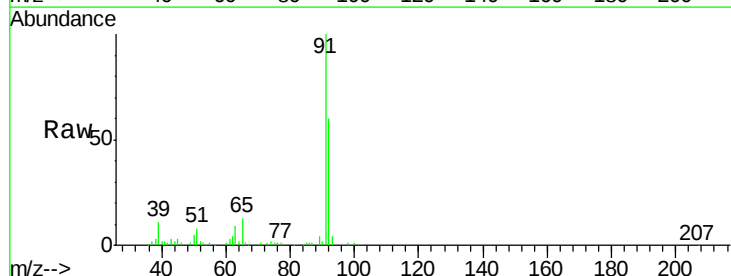
RT: 10.12 min Scan# 2607

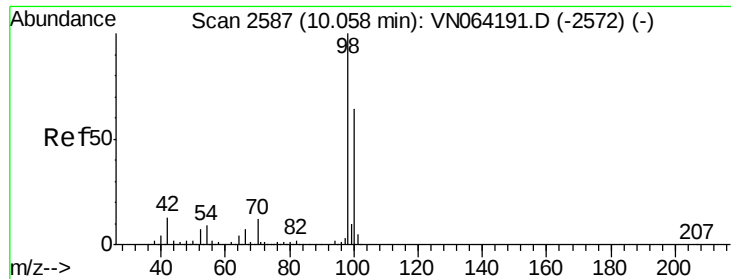
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion	91	Resp	91938
Ion Ratio	Lower	Upper	
91	100		
92	58.5	46.8	70.2





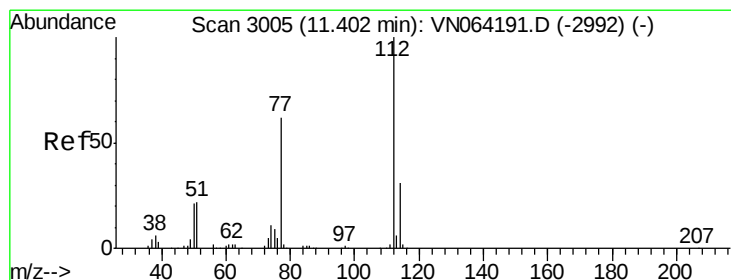
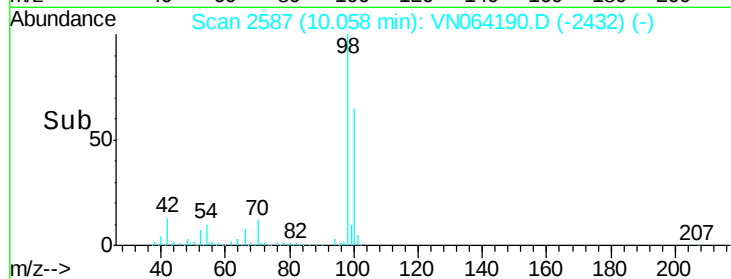
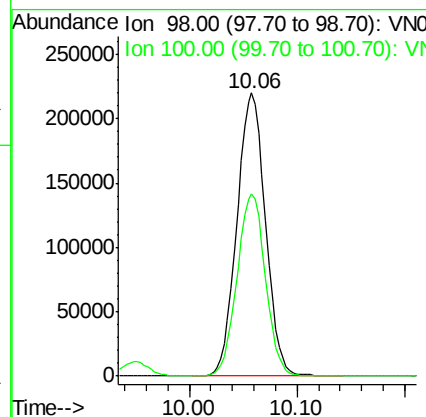
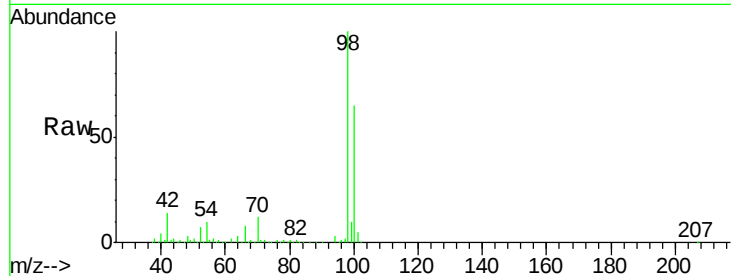
#63
Toluene-d8
Concen: 30.650 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 406492
Ion Ratio Lower Upper
98 100
100 63.7 51.4 77.2

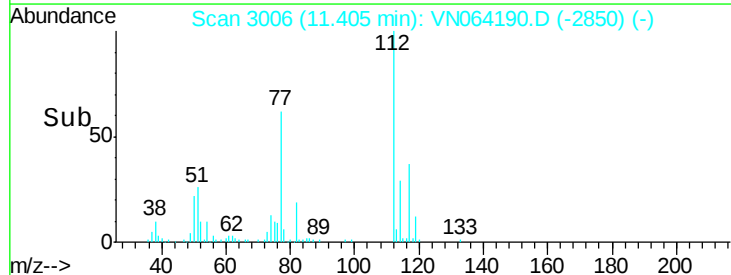
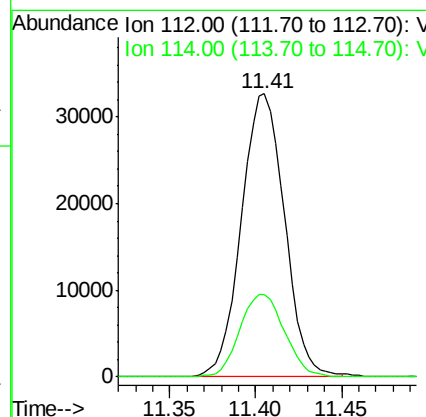
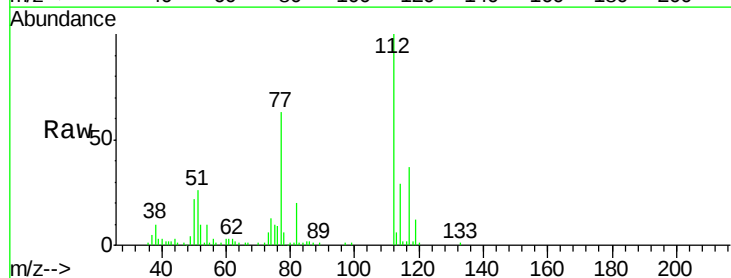
Manual Integrations
APPROVED

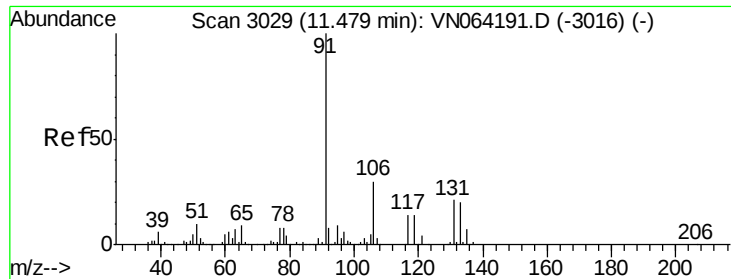
MMDadoda
10/23/2020 2:28:32 PM



#64
Chlorobenzene
Concen: 5.774 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion: 112 Resp: 57076
Ion Ratio Lower Upper
112 100
114 29.3 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 5.827 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

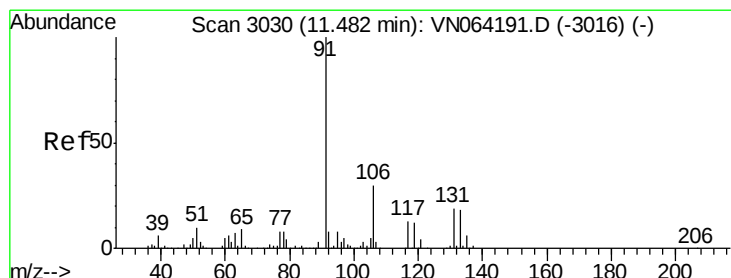
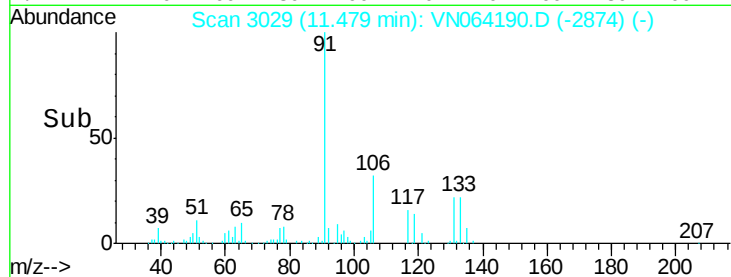
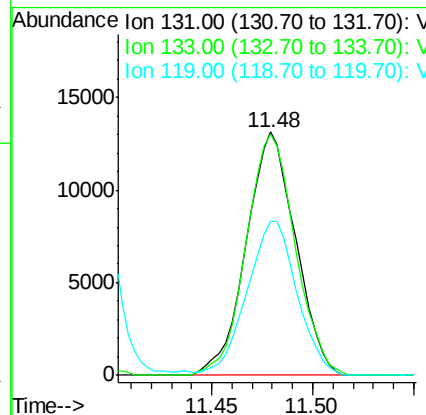
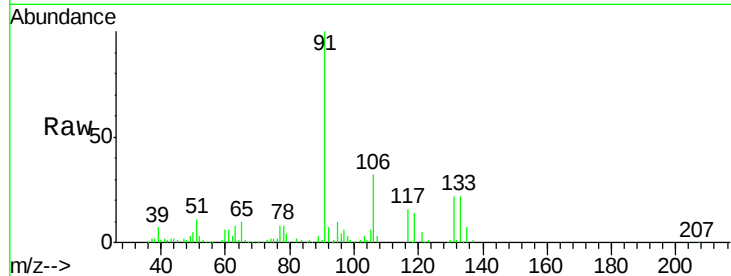
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	98.6	0.0	193.0
119	64.1	0.0	132.2

Manual Integrations
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10/23/2020 2:28:32 PM



#66

Ethyl Benzene

Concen: 5.805 ug/l

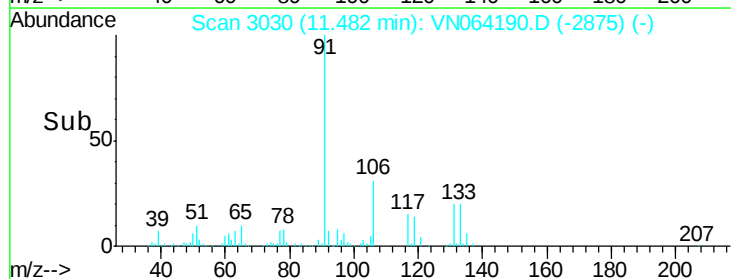
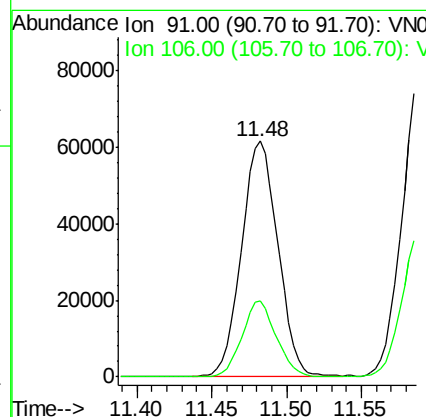
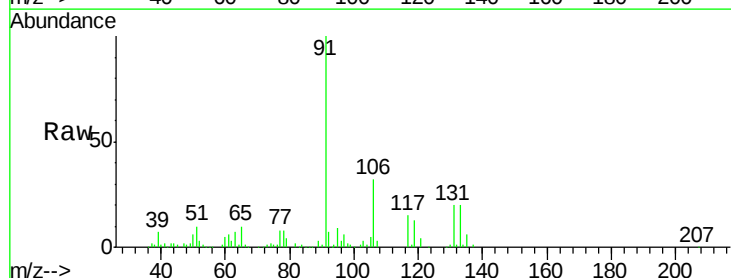
RT: 11.48 min Scan# 3030

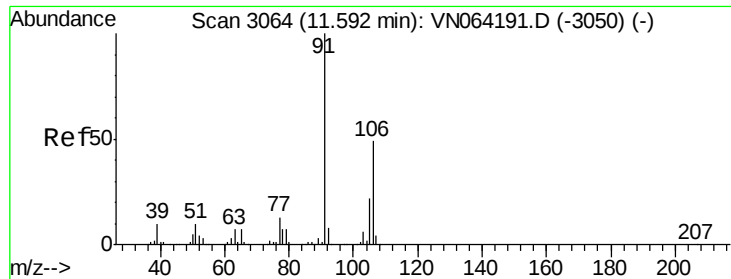
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	23.9	35.9





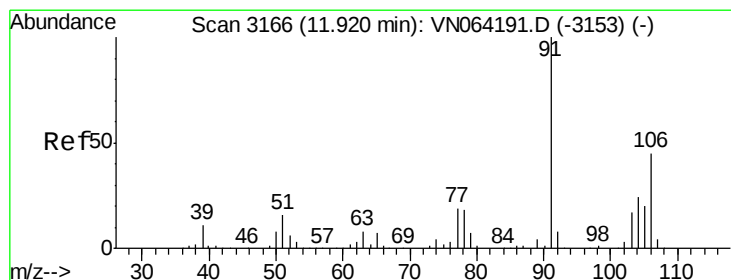
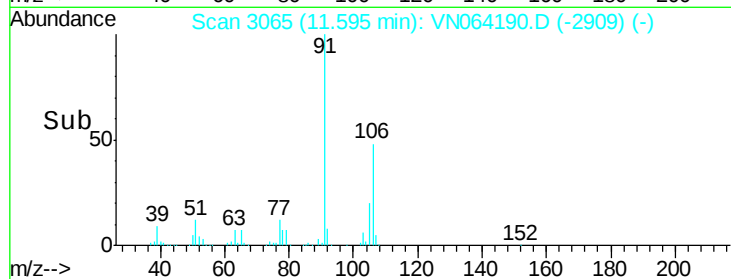
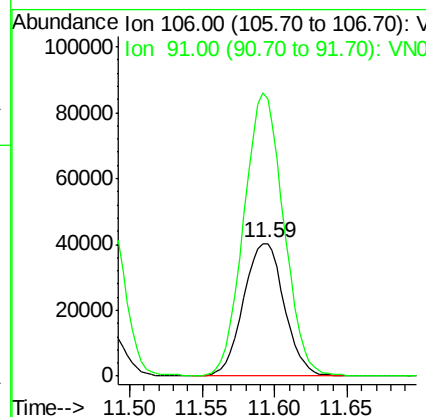
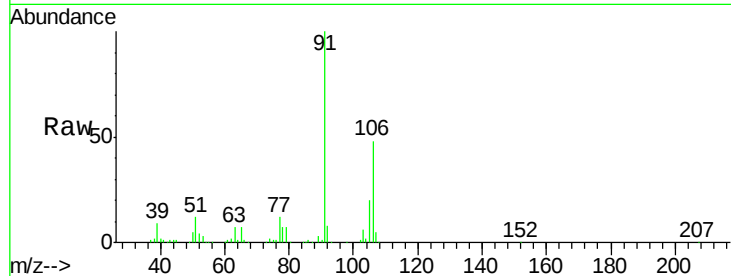
#67
m/p-Xvlenes
Concen: 11.826 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.8	167.9	251.9	

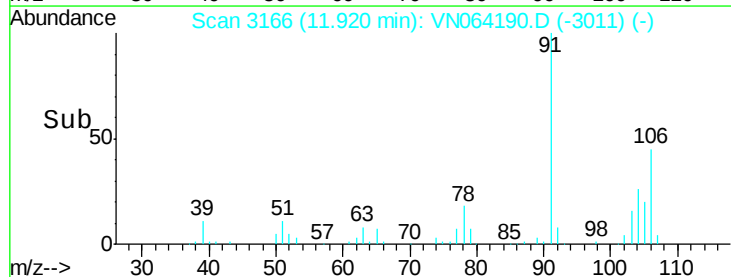
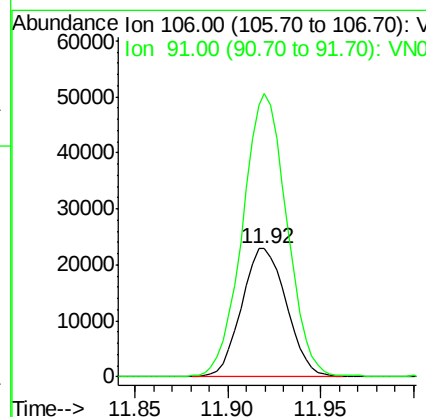
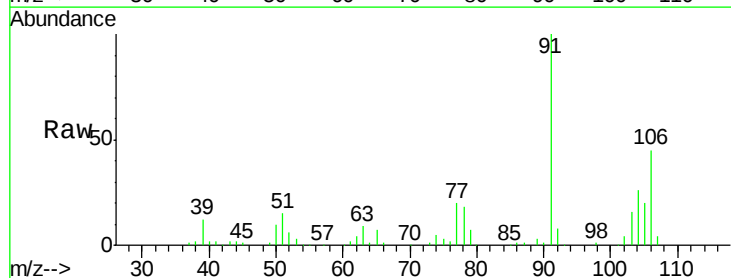
Manual Integrations
APPROVED

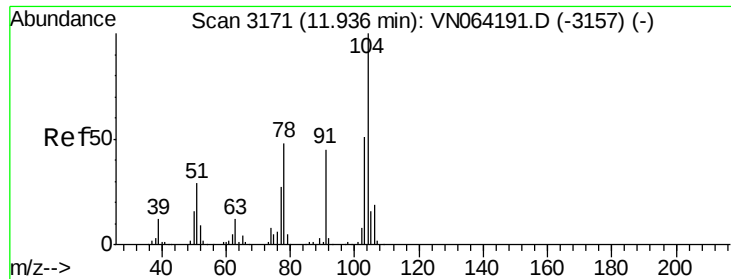
MMDadoda
10/23/2020 2:28:32 PM



#68
o-Xylene
Concen: 6.053 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.4	113.9	341.7	





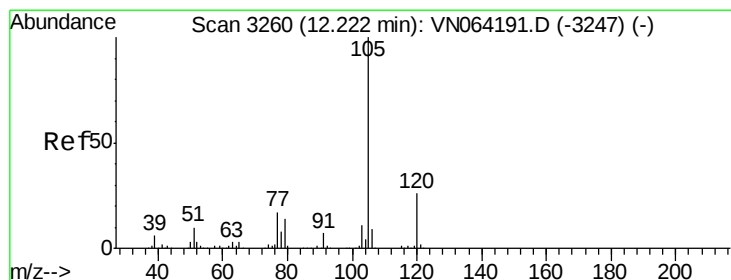
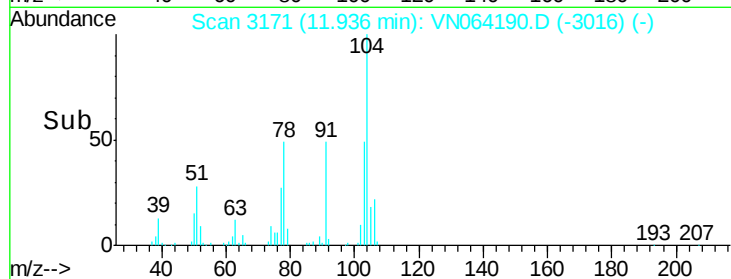
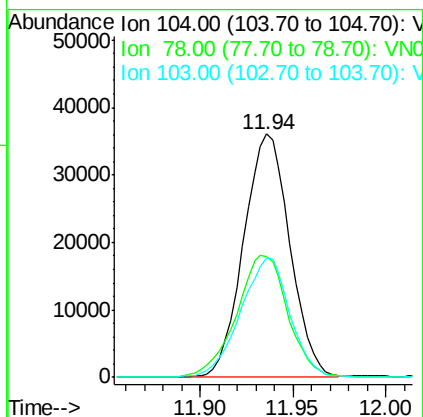
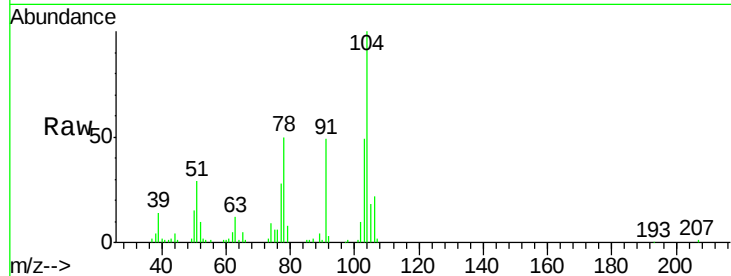
#69
Stvrene
Concen: 5.767 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	43.6	65.4
103	52.4	44.8	67.2

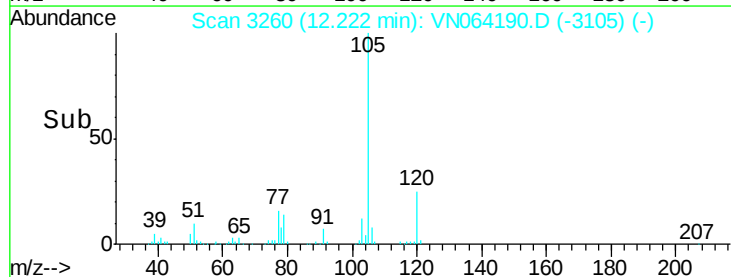
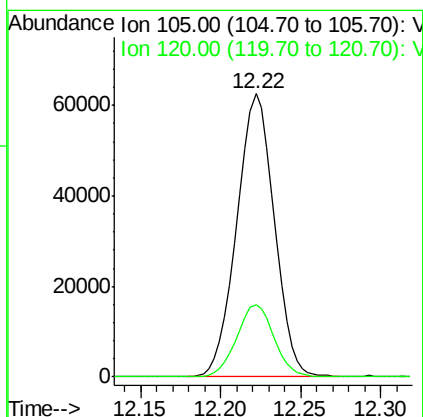
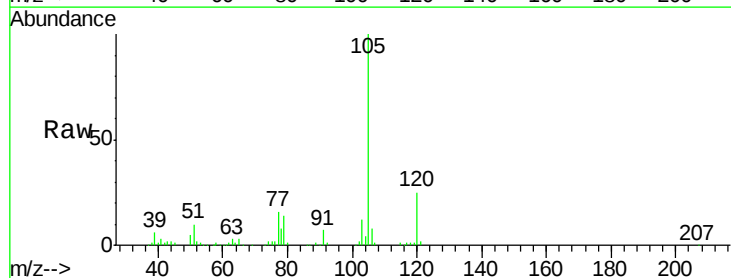
Manual Integrations
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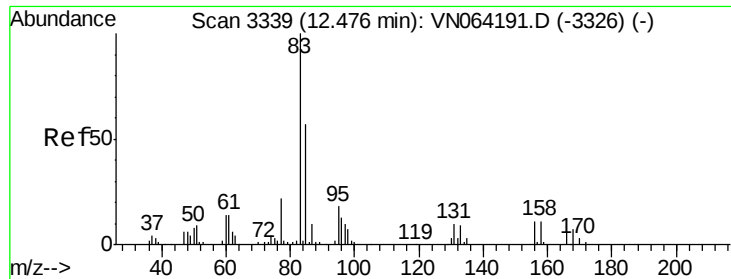
MMDadoda
10/23/2020 2:28:32 PM



#70
Isopropylbenzene
Concen: 5.879 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.2	18.1	33.7





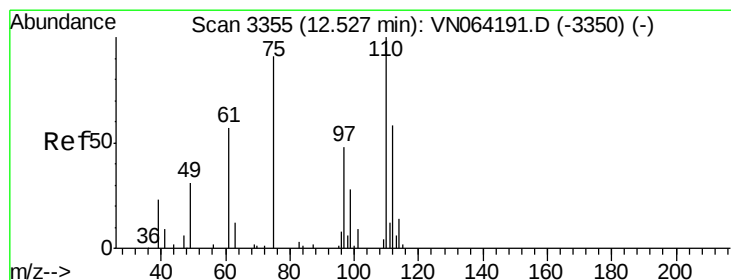
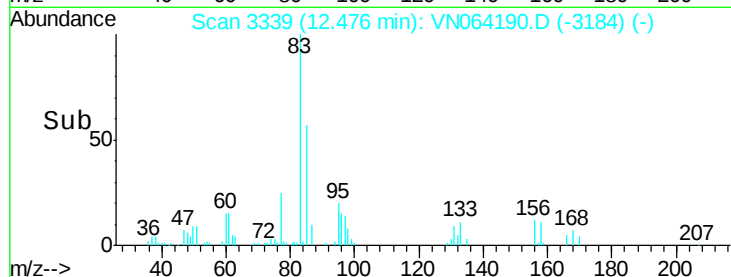
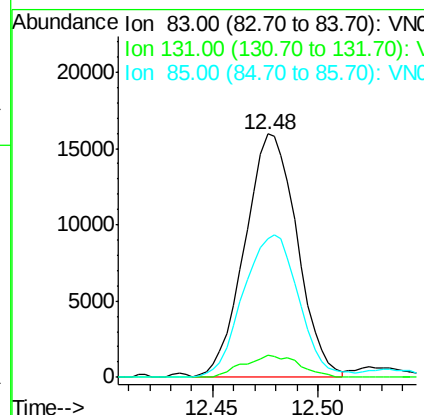
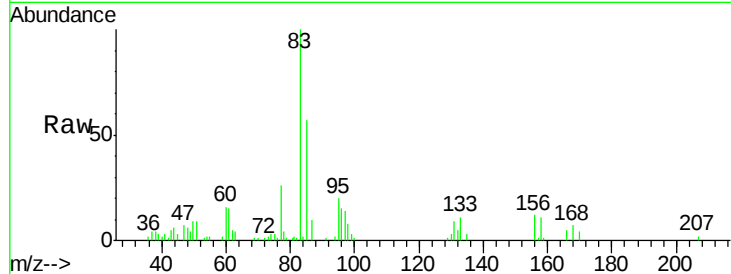
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.275 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	27498		
131	9.6	5.5	16.4	
85	62.3	30.8	92.4	

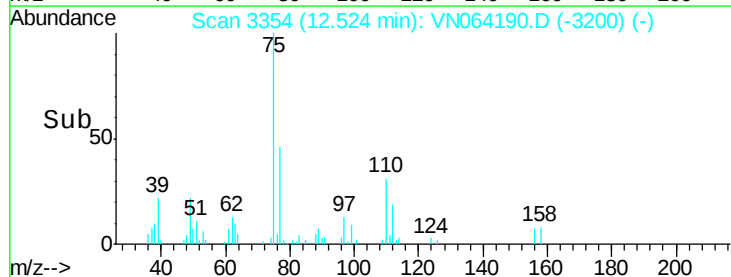
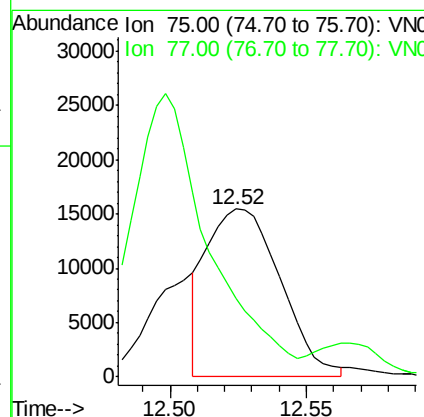
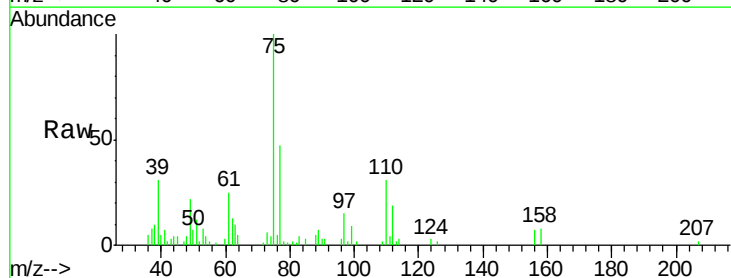
Manual Integrations
 APPROVED

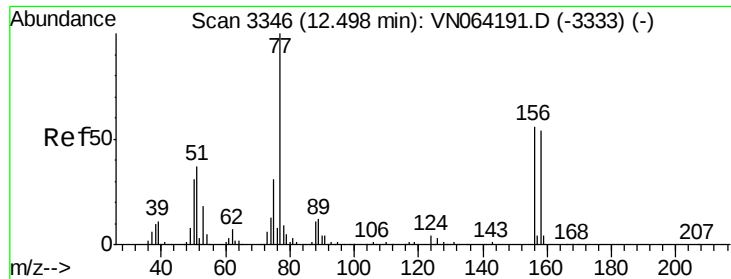
MMDadoda
 10/23/2020 2:28:32 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.595 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29130		
77	180.1	0.0	417.6	





#73

Bromobenzene

Concen: 5.402 ug/l

RT: 12.50 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

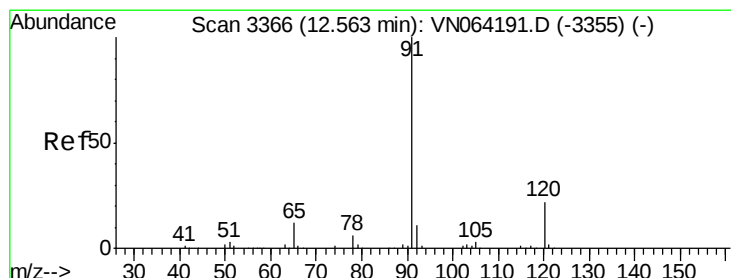
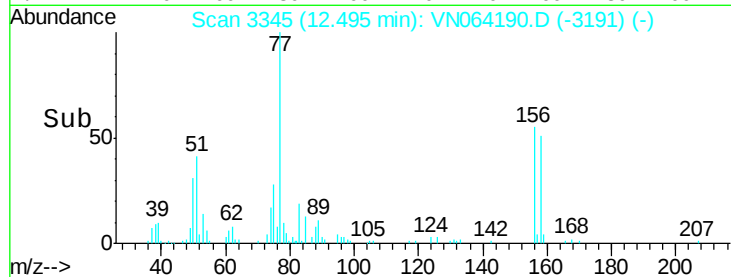
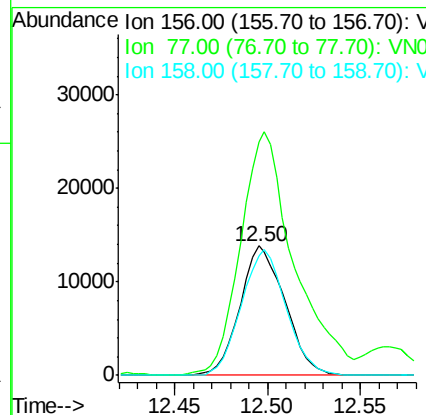
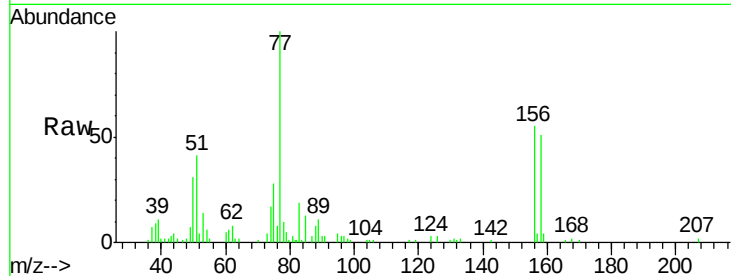
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.7	0.0	429.8
158	97.0	0.0	190.6

Manual Integrations
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10/23/2020 2:28:32 PM



#74

n-propylbenzene

Concen: 5.649 ug/l

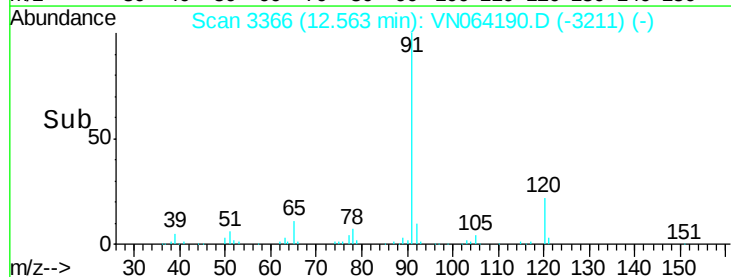
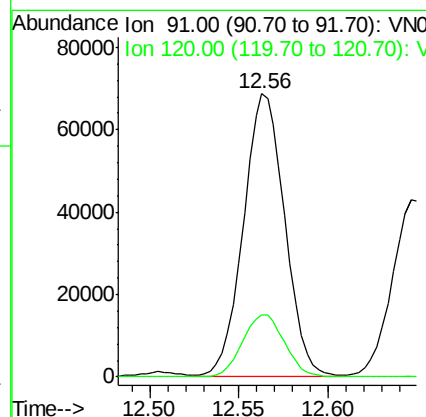
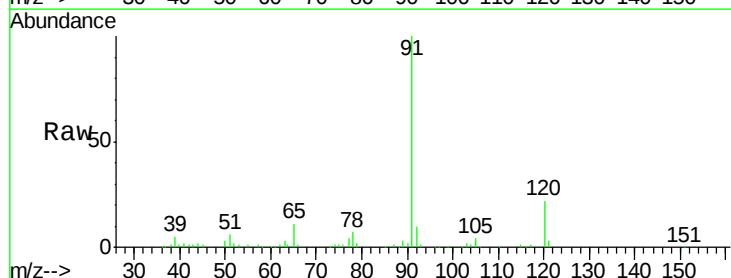
RT: 12.56 min Scan# 3366

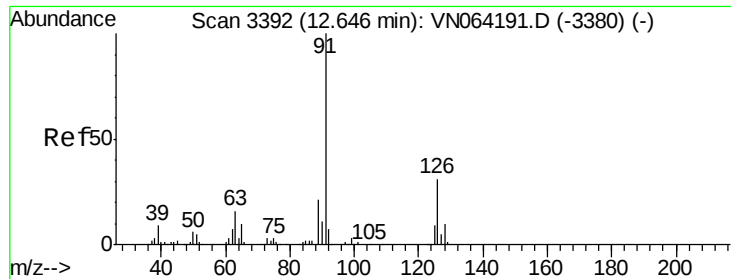
Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.8





#75

2-Chlorotoluene

Concen: 5.903 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064190.D

Acq: 20 Oct 2020 9:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 71232

Ion Ratio Lower Upper

91 100

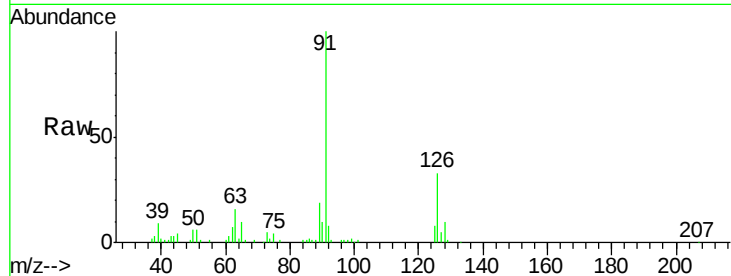
126 31.3 0.0 62.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064190.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064190.D (-3380) (-)

60000

50000

40000

30000

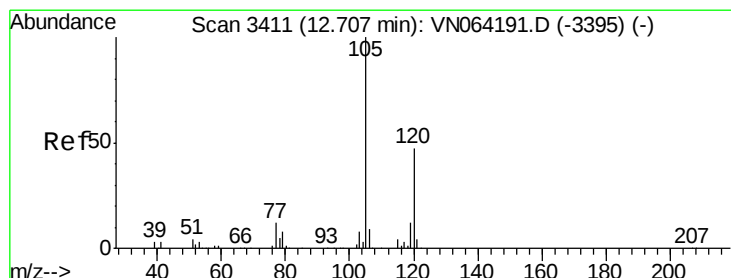
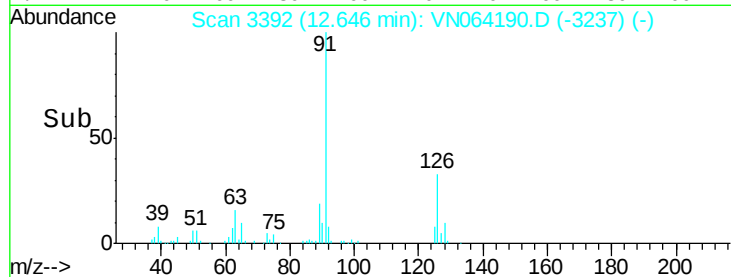
20000

10000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 5.773 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064190.D

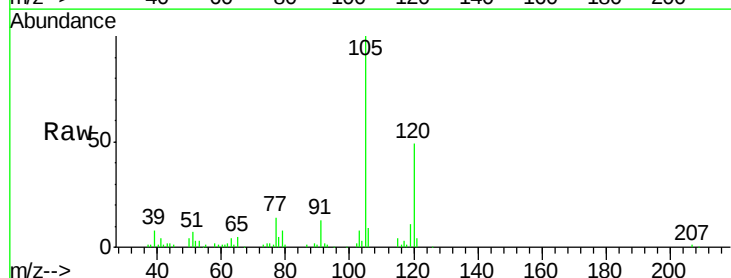
Acq: 20 Oct 2020 9:49

Tgt Ion: 105 Resp: 82785

Ion Ratio Lower Upper

105 100

120 48.1 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064190.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064190.D (-3395) (-)

60000

50000

40000

30000

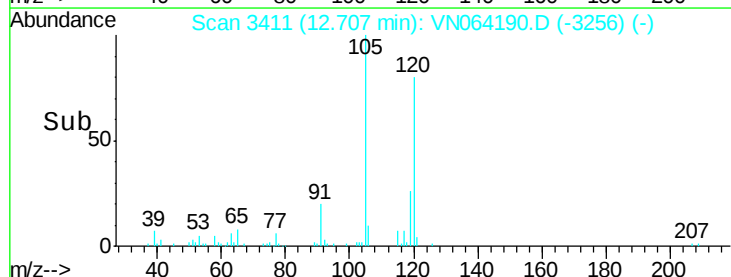
20000

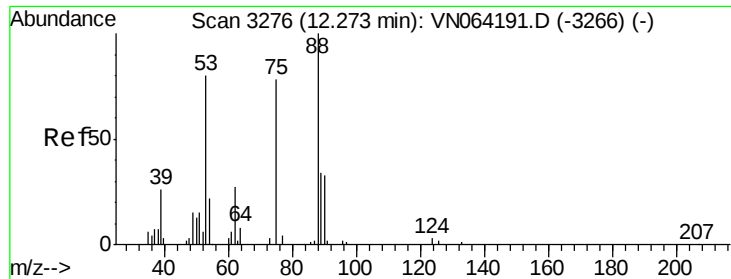
10000

0

12.65 12.70 12.75

Time-->





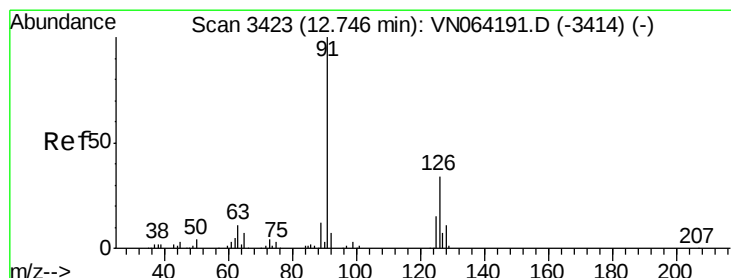
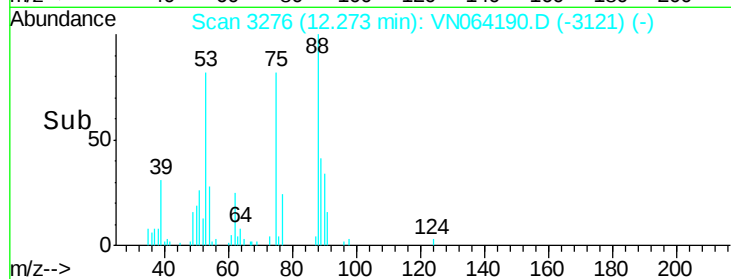
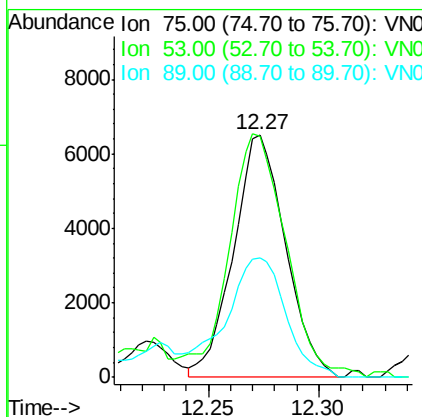
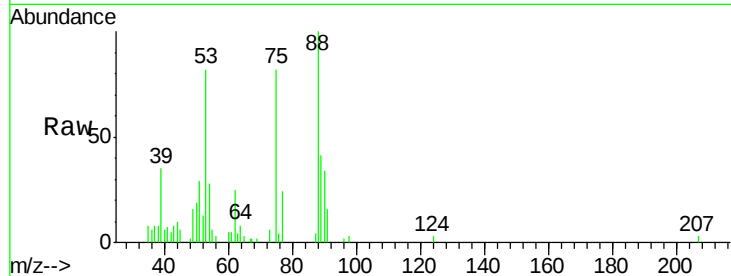
#77
t-1,4-Dichloro-2-butene
Concen: 5.482 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	51.4	154.2
89	49.5	23.8	71.5

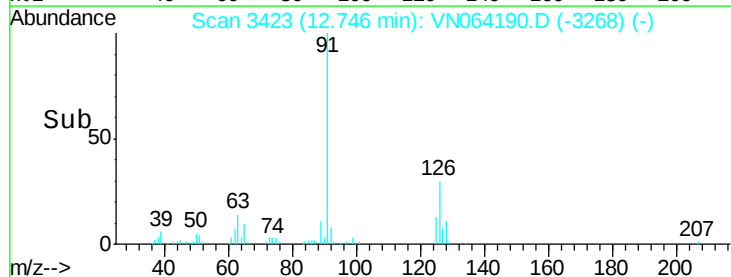
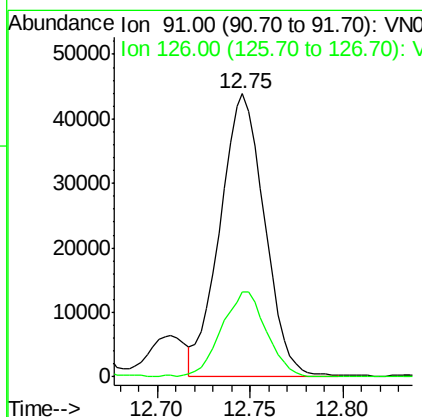
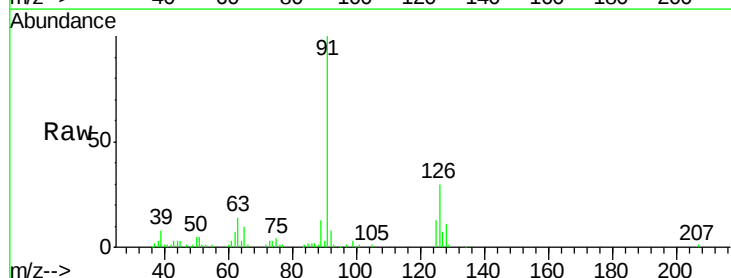
Manual Integrations
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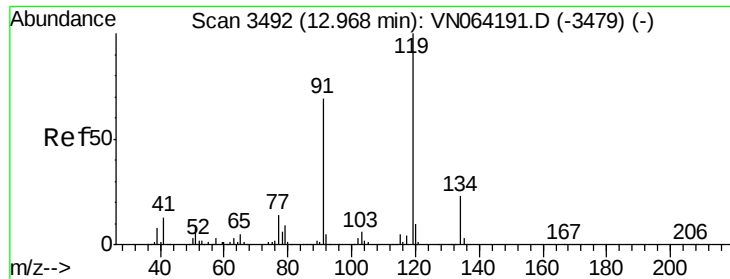
MMDadoda
10/23/2020 2:28:32 PM



#78
4-Chlorotoluene
Concen: 5.776 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	0.0	63.2





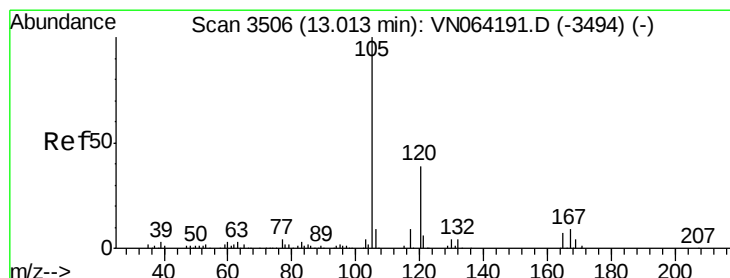
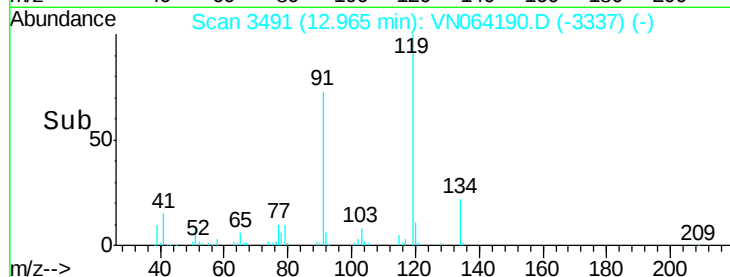
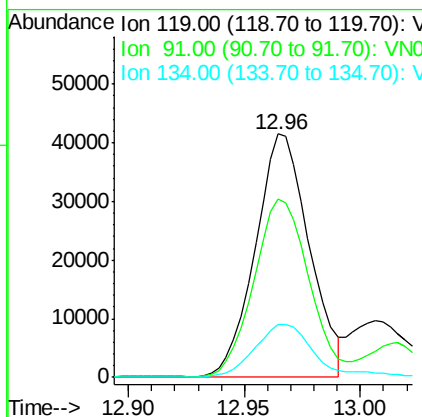
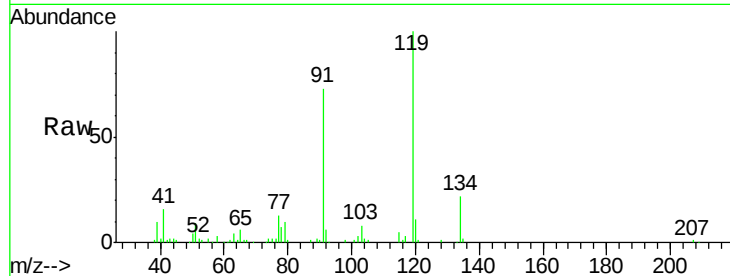
#79
tert-butylbenzene
Concen: 5.798 ug/l
RT: 12.96 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.8	0.0	143.2
134	22.7	0.0	49.2

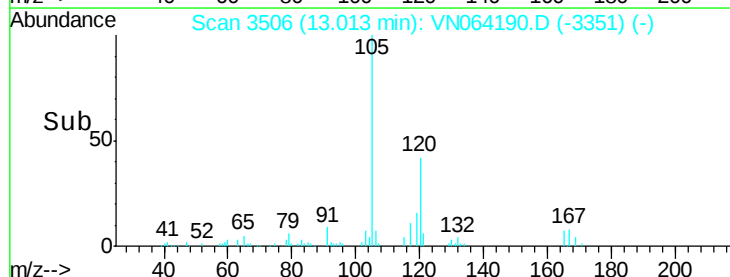
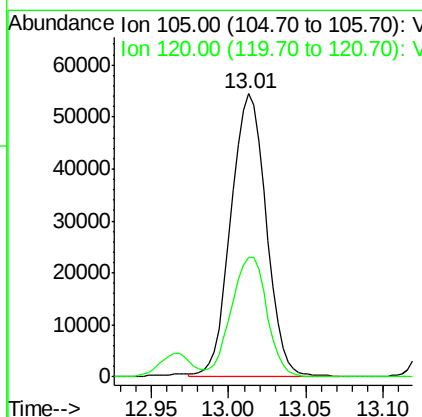
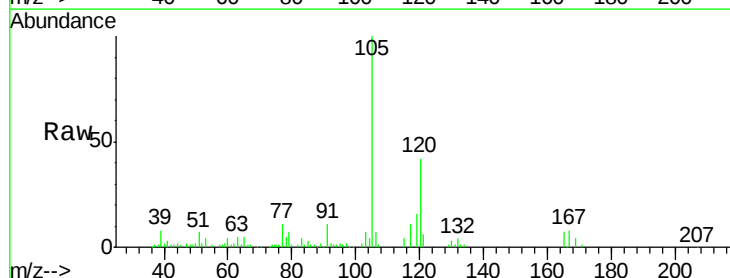
Manual Integrations
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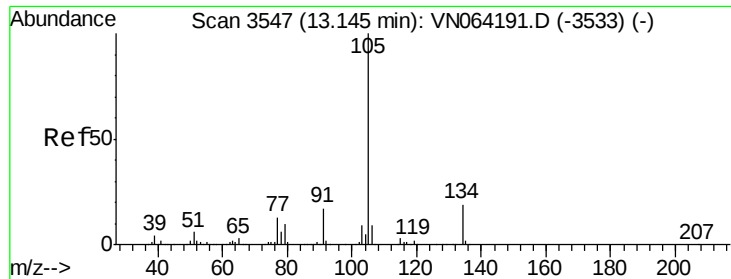
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 6.014 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	0.0	85.8





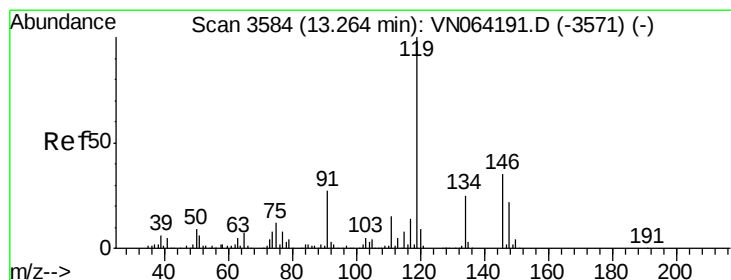
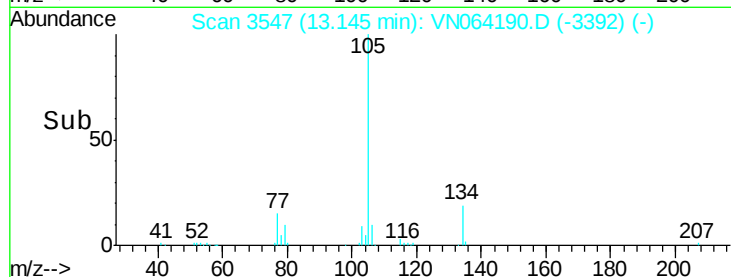
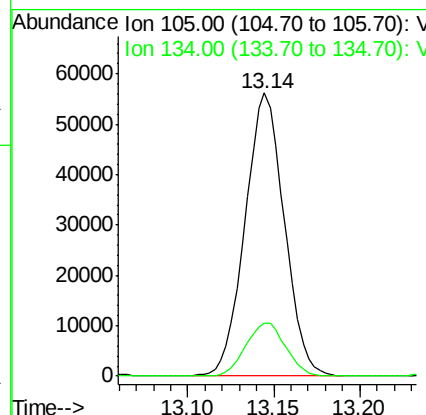
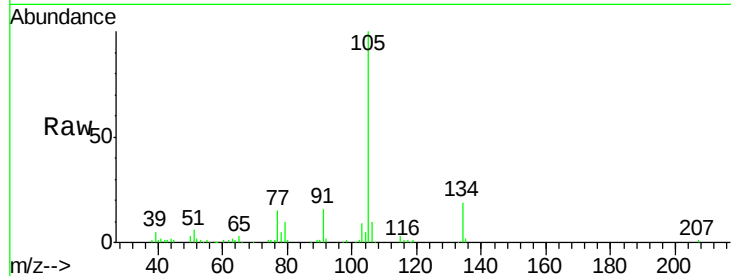
#81
 sec-Butylbenzene
 Concen: 5.867 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	0.0	38.4

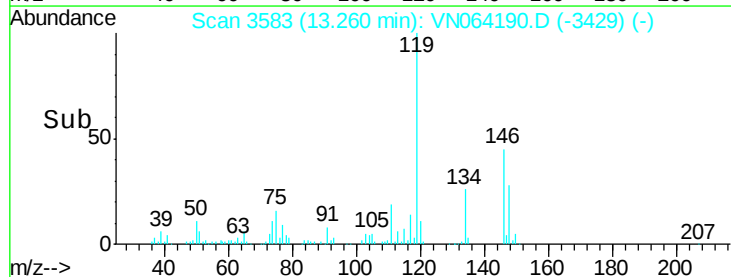
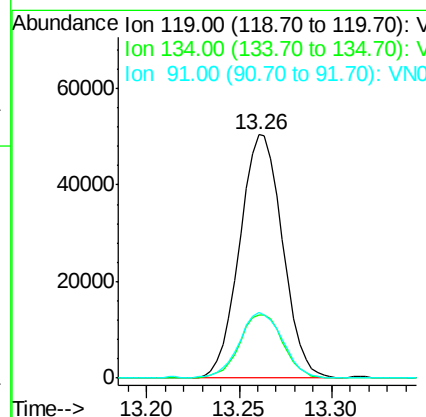
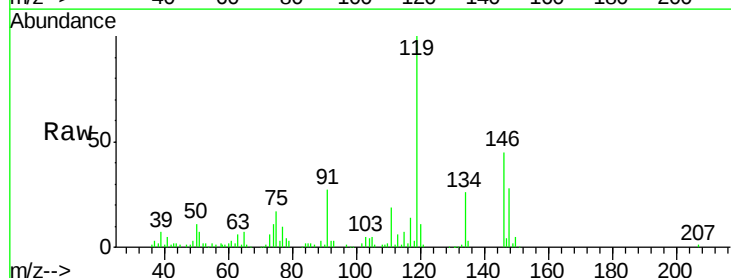
Manual Integrations
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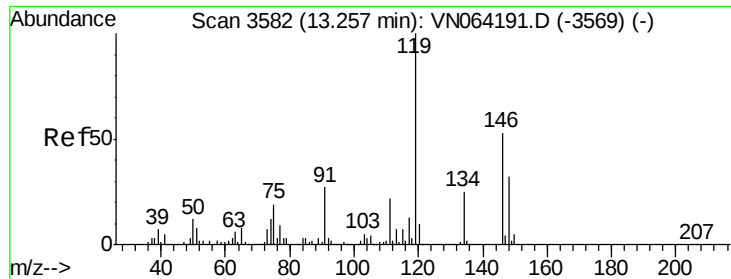
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#82
 p-Isopropyltoluene
 Concen: 5.868 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	51.4
91	27.5	0.0	52.8





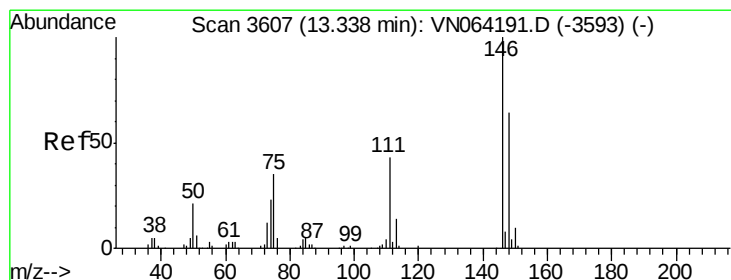
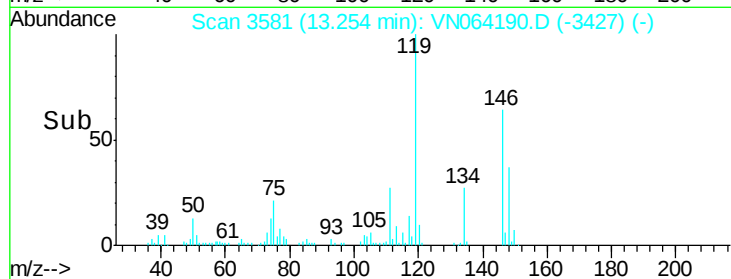
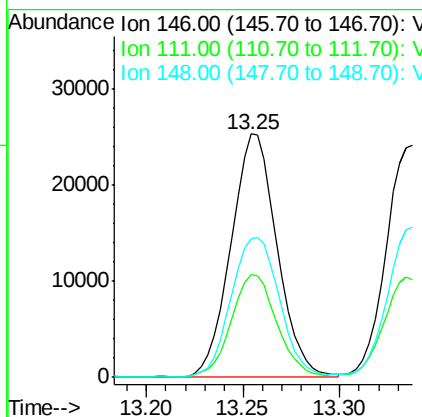
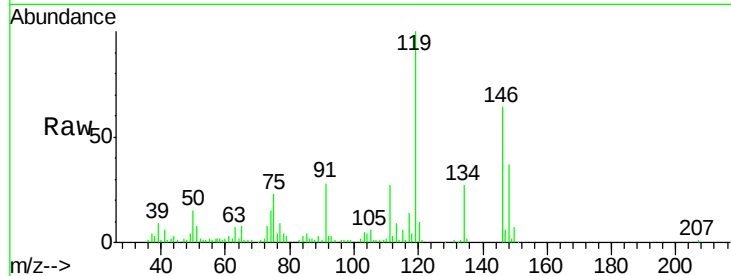
#83
 1,3-Dichlorobenzene
 Concen: 5.549 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.8	65.4
148	60.6	31.4	94.2

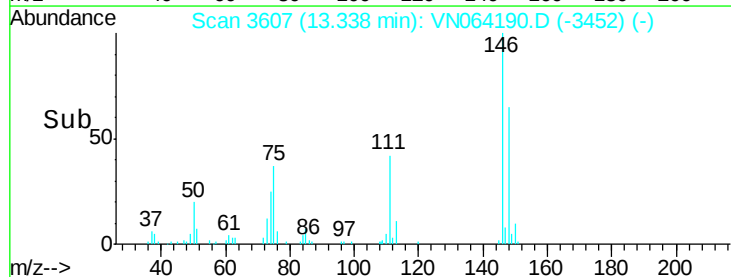
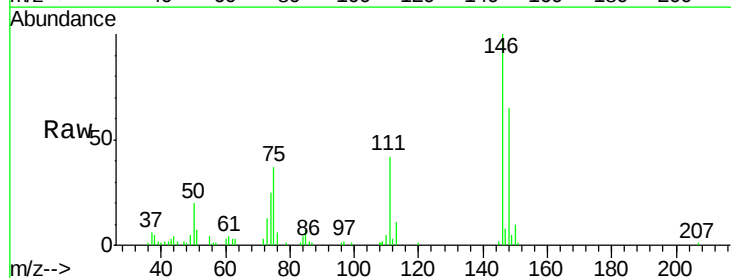
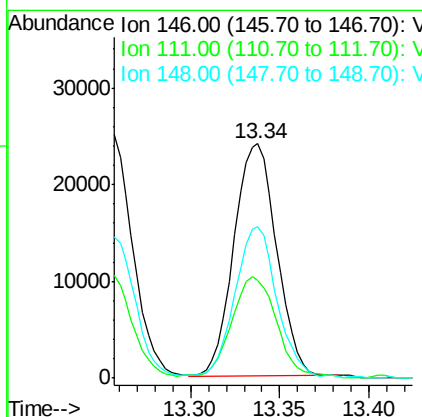
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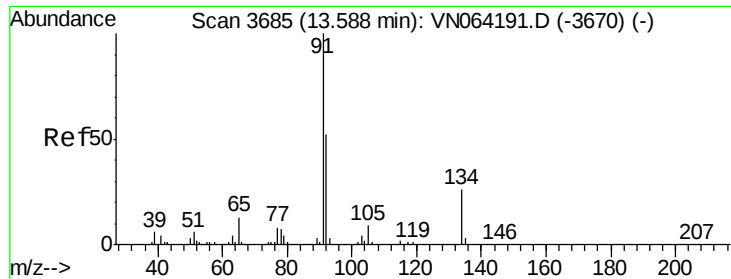
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#84
 1,4-Dichlorobenzene
 Concen: 5.306 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.5	20.9	62.8
148	64.2	30.9	92.7





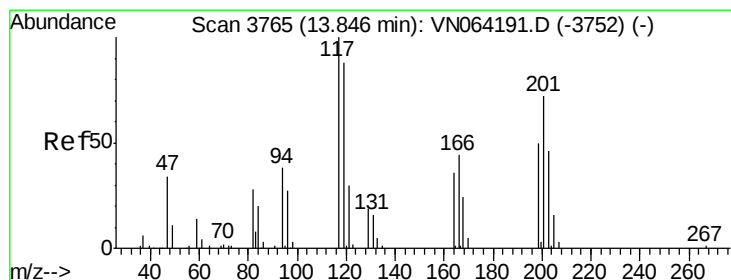
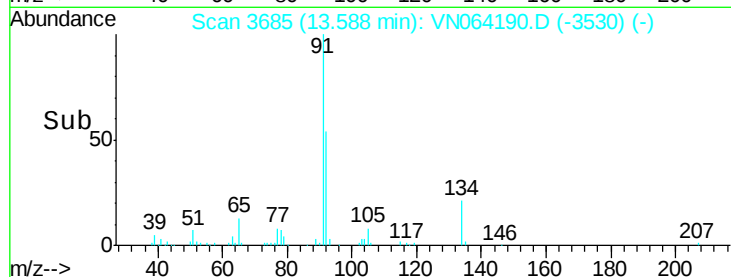
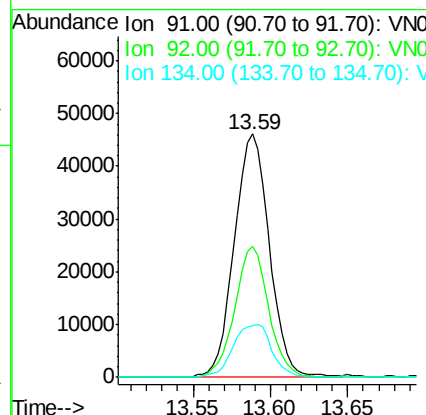
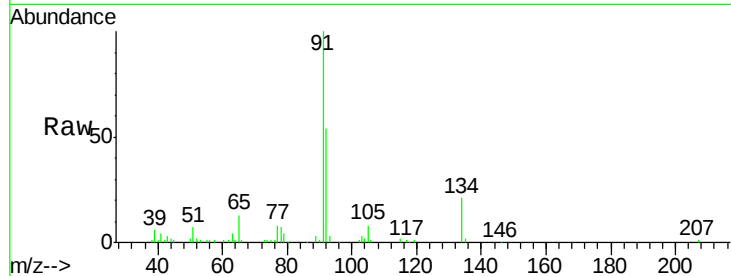
#85
n-Butylbenzene
Concen: 6.004 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	104.8
134	23.8	0.0	49.8

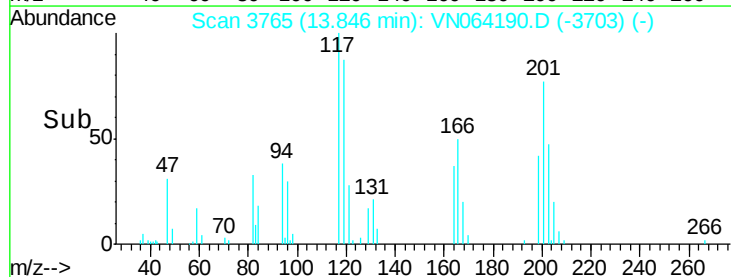
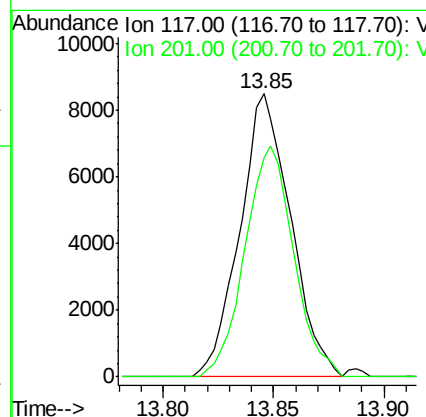
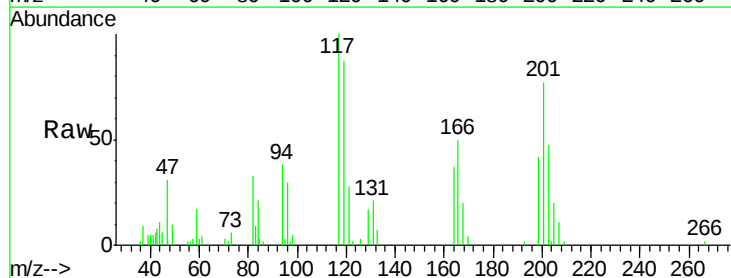
Manual Integrations
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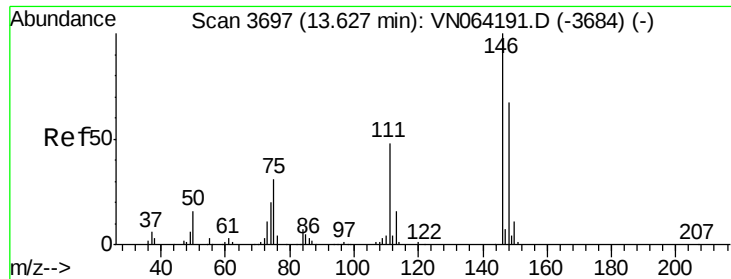
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#86
Hexachloroethane
Concen: 5.679 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	37.5	112.3





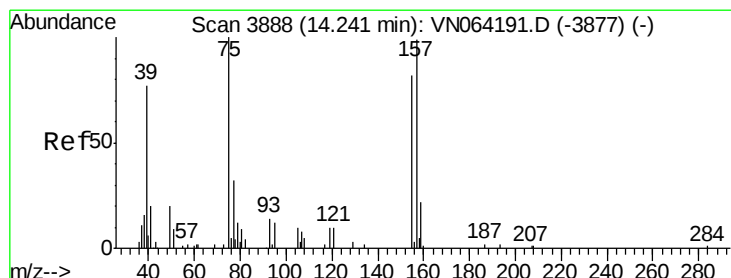
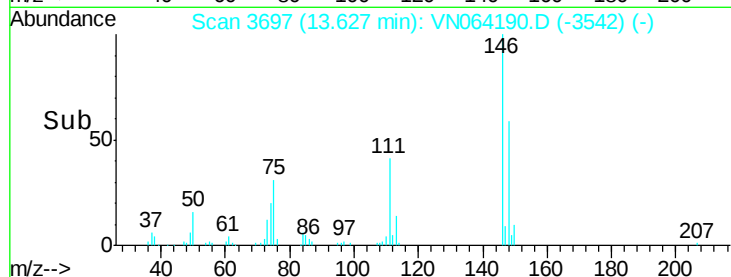
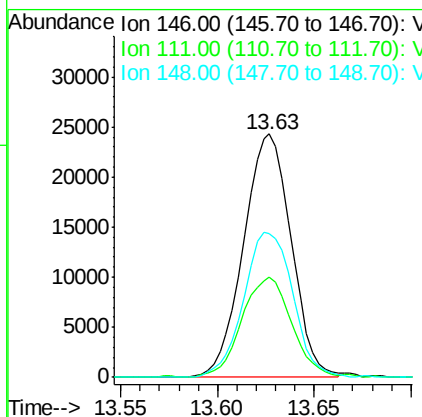
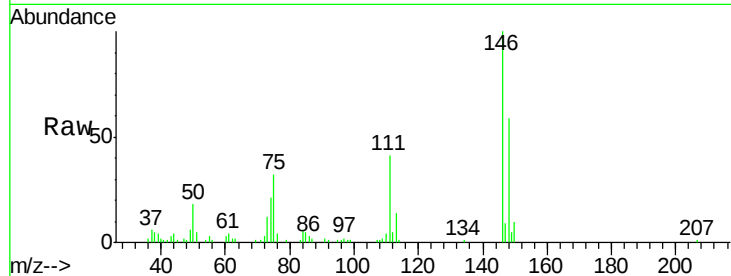
#87
 1,2-Dichlorobenzene
 Concen: 5.649 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.6	67.8
148	61.4	32.6	97.8

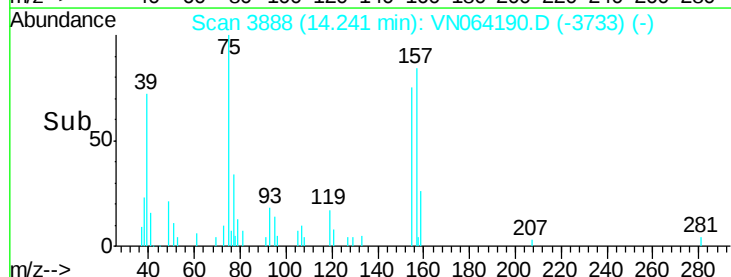
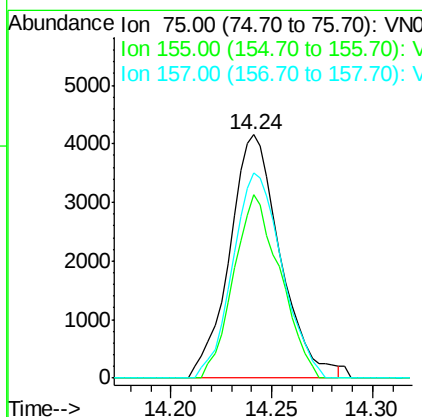
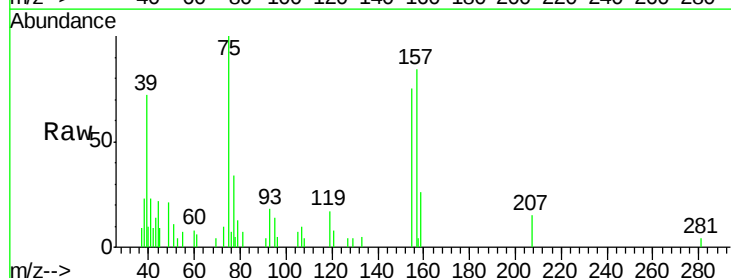
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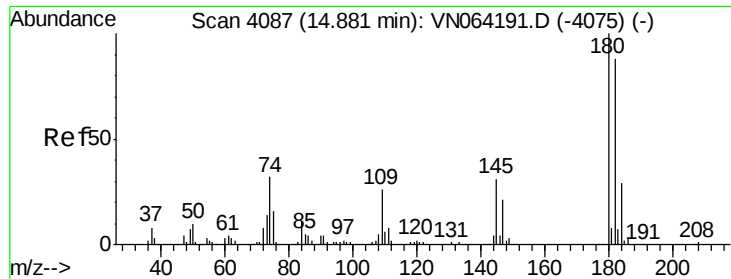
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.830 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	61.1	91.7
157	82.3	76.5	114.7





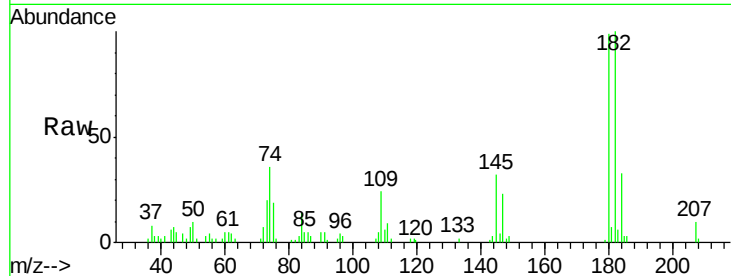
#89
 1,2,4-Trichlorobenzene
 Concen: 5.789 ug/l
 RT: 14.88 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

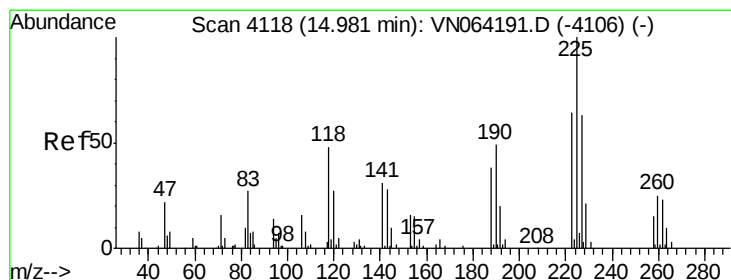
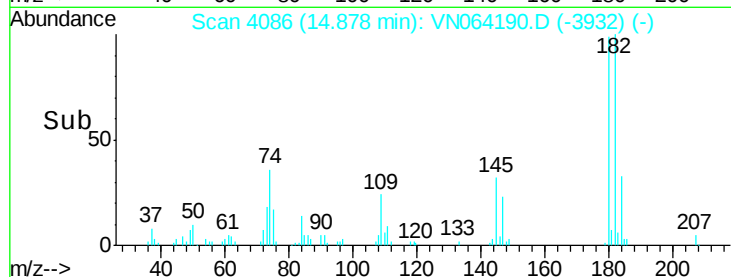
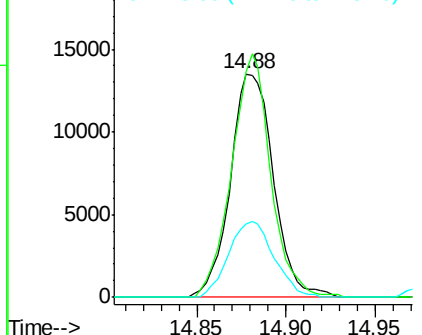
Tot Ion	Ratio	Resp	Lower	Upper
180	100	22830		
182	98.6	73.0	109.4	
145	35.5	24.3	36.5	

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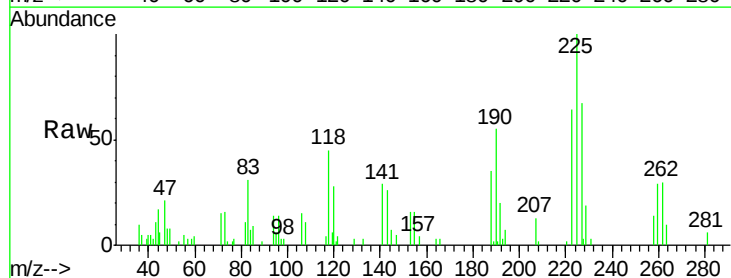


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

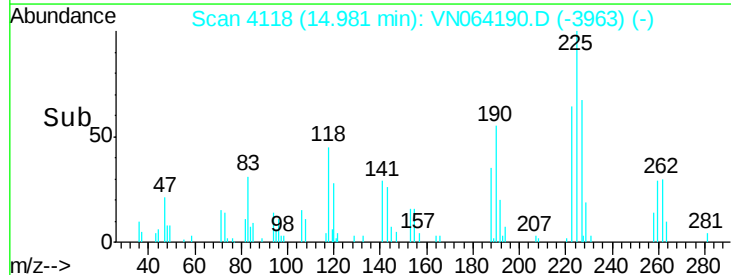
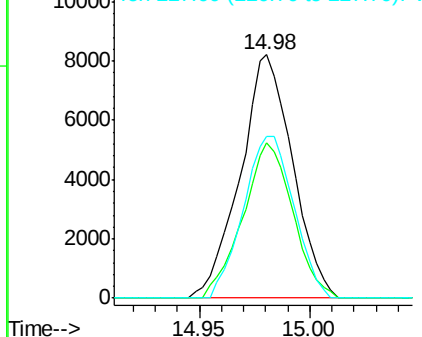


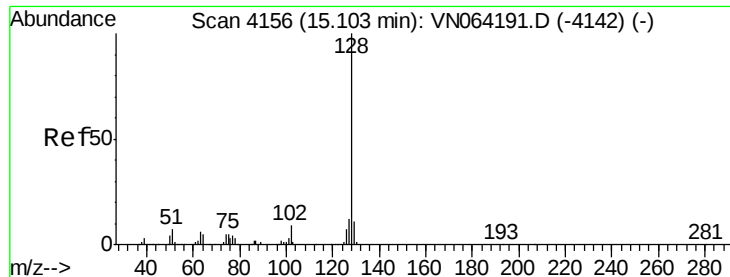
#90
 Hexachlorobutadiene
 Concen: 6.603 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064190.D
 Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13474		
223	60.9	0.0	127.0	
227	64.2	0.0	129.4	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





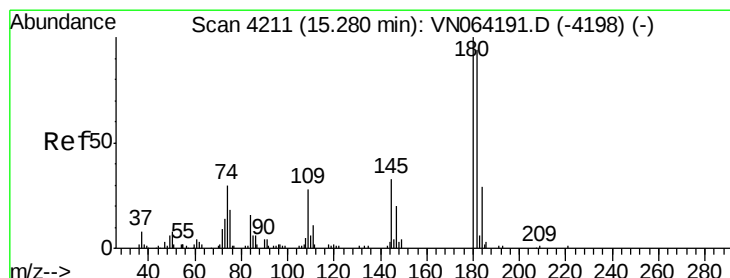
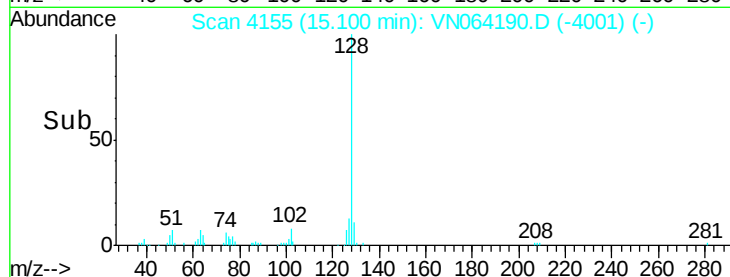
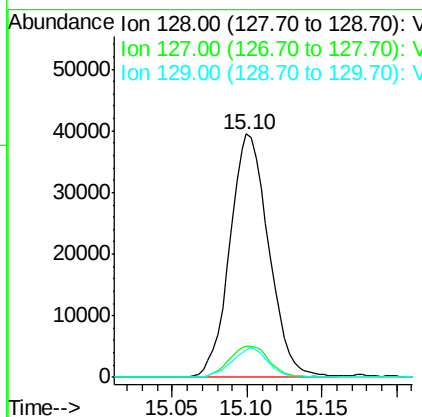
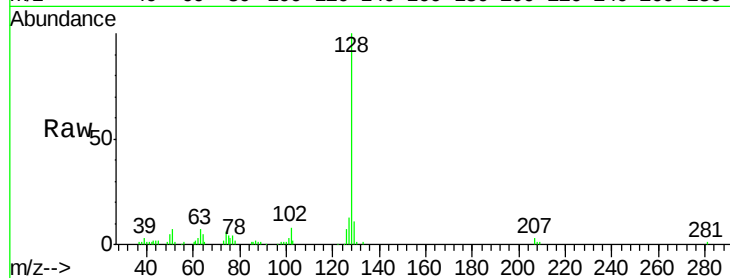
#91
Naphthalene
Concen: 6.016 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.0	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 5.797 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064190.D
Acq: 20 Oct 2020 9:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	0.0	190.0
145	34.2	0.0	66.6

