

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064209.D
 Acq On : 20 Oct 2020 20:39
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 2:29:05 PM

Quant Time: Oct 21 05:38:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	48257	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	266740	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	245944	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129734	32.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	109.47%
60) 4-Bromofluorobenzene	12.38	95	128382	29.13	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.10%
63) Toluene-d8	10.06	98	330207	29.66	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.87%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67467	20.377 ug/l	95
3) Chloromethane	2.04	50	66183	19.507 ug/l	99
4) Vinyl Chloride	2.16	62	62741	18.796 ug/l	95
5) Bromomethane	2.54	94	39569	19.814 ug/l	98
6) Chloroethane	2.67	64	36884	18.971 ug/l	96
7) Trichlorofluoromethane	2.99	101	103546	19.323 ug/l	98
8) Diethyl Ether	3.38	74	35168	19.331 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51198	18.103 ug/l	97
10) 1,1-Dichloroethene	3.70	96	51545	18.719 ug/l	99
11) Methyl Iodide	3.91	142	71812	18.093 ug/l	100
12) Methyl Acetate	4.28	43	55160	19.006 ug/l	93
13) Acrolein	3.57	56	31286	98.588 ug/l #	1
14) Acrylonitrile	4.93	53	110170	94.199 ug/l	99
15) Acetone	3.77	58	29457	93.285 ug/l	91
16) Carbon Disulfide	4.01	76	144031	18.290 ug/l	98
17) Allyl chloride	4.28	41	92805	18.126 ug/l	96
18) Methylene Chloride	4.50	84	60037	19.063 ug/l	98
19) trans-1,2-Dichloroethene	4.99	96	53628	18.054 ug/l	92
20) Diisopropyl ether	5.90	45	177074	18.714 ug/l	97
21) 1,1-Dichloroethane	5.80	63	110839	19.187 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	62280	17.936 ug/l	96
23) tert-Butyl Alcohol	4.73	59	53308	98.548 ug/l #	100
24) Methyl tert-Butyl Ether	5.00	73	170334	18.720 ug/l	97
25) Chloroform	7.33	83	111814	18.629 ug/l	95
26) Cyclohexane	7.61	56	83630	18.259 ug/l #	87
29) 1,1-Dichloropropene	7.75	75	81586	18.417 ug/l	100
30) 2-Butanone	6.78	43	175862	96.271 ug/l	98
31) 2,2-Dichloropropane	6.77	77	94278	16.764 ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	107195	18.992 ug/l	99
33) Carbon Tetrachloride	7.73	117	99220	19.282 ug/l	100
34) Benzene	8.00	78	230329	18.672 ug/l	99
35) Methacrylonitrile	7.13	41	39292	19.609 ug/l	93
36) 1,2-Dichloroethane	8.09	62	98920	19.827 ug/l	99
37) Trichloroethene	8.80	130	62080	18.278 ug/l	96
38) Methylcyclohexane	9.05	83	75927	17.921 ug/l	97
39) 1,2-Dichloropropane	9.08	63	62056	18.851 ug/l	94
40) Dibromomethane	9.17	93	43460	18.974 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	96554	19.478	ug/l	92
42) Vinyl Acetate	5.84	43	816323	94.130	ug/l	100
43) Ethyl Acetate	6.88	43	78800	19.751	ug/l	98
44) Isopropyl Acetate	8.13	43	147627	19.274	ug/l #	89
45) 1,4-Dioxane	9.16	88	17210	384.176	ug/l	97
46) Methyl methacrylate	9.17	41	70990	19.533	ug/l	95
47) n-amyl Acetate	12.04	43	125581	18.482	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	103055	18.434	ug/l	91
49) cis-1,3-Dichloropropene	9.81	75	103620	17.939	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	56537	18.425	ug/l	99
51) Ethyl methacrylate	10.40	69	88326	18.203	ug/l	98
52) 1,3-Dichloropropane	10.68	76	99275	18.765	ug/l	99
53) Dibromochloromethane	10.87	129	71688	18.562	ug/l	97
54) 1,2-Dibromoethane	10.98	107	60204	18.458	ug/l	95
55) 2-Chloroethyl vinyl ether	9.66	63	234984	98.535	ug/l	99
56) Bromoform	12.10	173	47154	17.532	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	390943	93.804	ug/l	98
59) 2-Hexanone	10.72	43	282156	91.193	ug/l	99
61) Tetrachloroethene	10.60	164	61073	18.420	ug/l	97
62) Toluene	10.13	91	251676	17.900	ug/l	98
64) Chlorobenzene	11.41	112	155860	17.800	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	63517	18.515	ug/l	97
66) Ethyl Benzene	11.48	91	289350	17.900	ug/l	100
67) m/p-Xylenes	11.59	106	213680	35.543	ug/l	100
68) o-Xylene	11.92	106	104466	17.907	ug/l	97
69) Styrene	11.94	104	174220	17.651	ug/l	98
70) Isopropylbenzene	12.22	105	282103	18.309	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	76123	18.029	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	82410m	18.704	ug/l	
73) Bromobenzene	12.50	156	66908	18.008	ug/l	98
74) n-propylbenzene	12.57	91	308203	17.526	ug/l	98
75) 2-Chlorotoluene	12.65	91	196486	18.050	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	231174	17.632	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	28411	16.493	ug/l	99
78) 4-Chlorotoluene	12.75	91	200186	17.580	ug/l	100
79) tert-butylbenzene	12.97	119	191663	17.881	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	234286	17.603	ug/l	99
81) sec-Butylbenzene	13.15	105	241378	17.308	ug/l	100
82) p-Isopropyltoluene	13.26	119	224288	17.376	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	114265	17.157	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	115342	17.298	ug/l	99
85) n-Butylbenzene	13.59	91	191705	16.731	ug/l	99
86) Hexachloroethane	13.85	117	39092	17.592	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	113125	17.418	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18936	17.708	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	65890	16.894	ug/l	95
90) Hexachlorobutadiene	14.98	225	32706	16.544	ug/l	99
91) Naphthalene	15.10	128	202917	17.164	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	65237	17.490	ug/l	99

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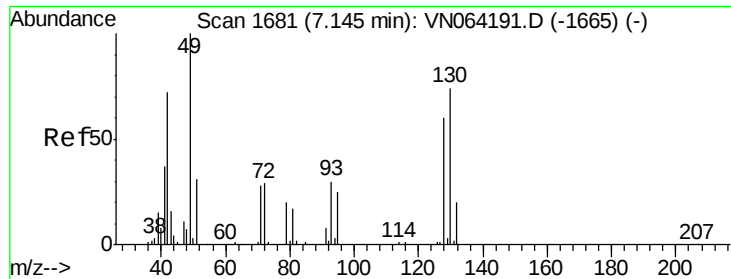
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

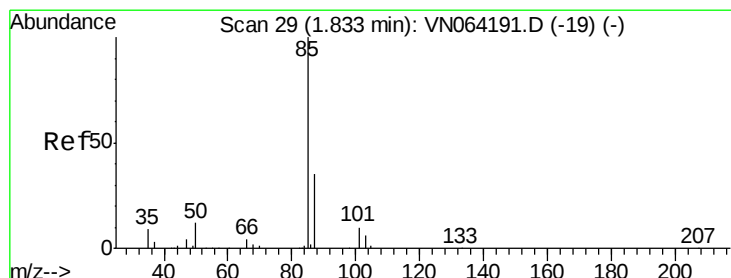
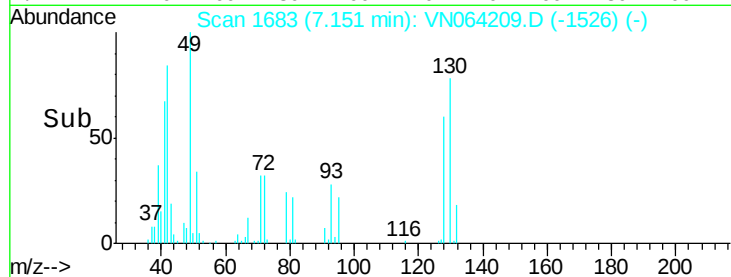
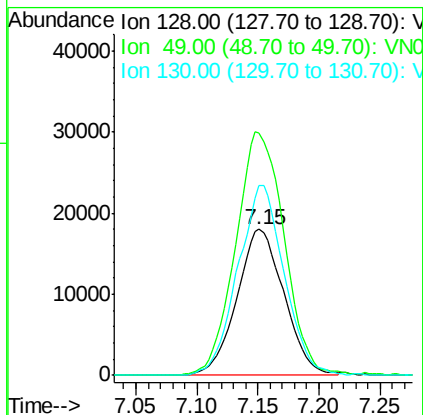
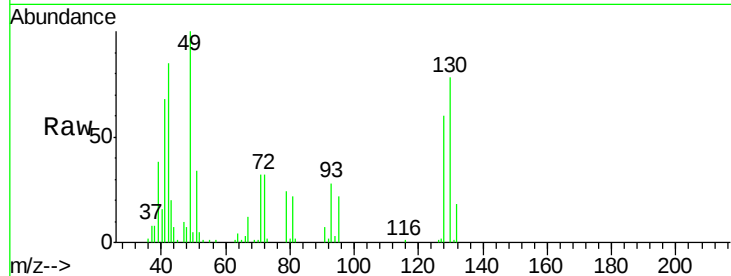
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	48257
Ion	Ratio	Lower	Upper
128	100		
49	171.0	0.0	433.3
130	127.7	0.0	322.5

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#2

Dichlorodifluoromethane

Concen: 20.377 ug/l

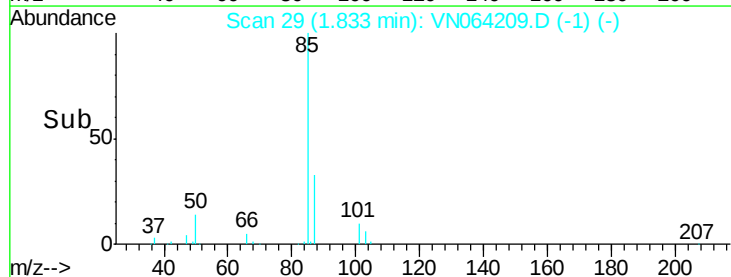
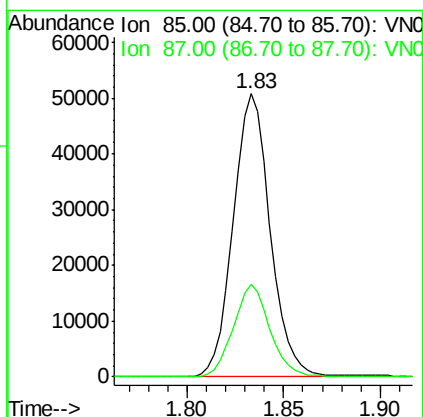
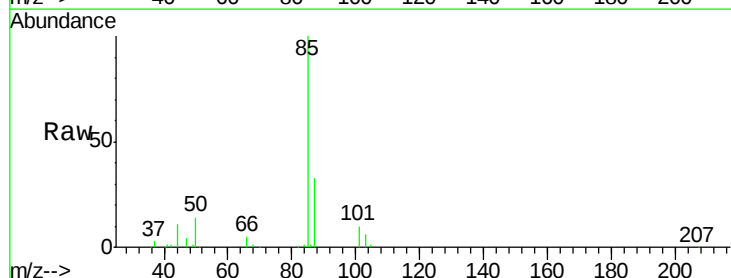
RT: 1.83 min Scan# 29

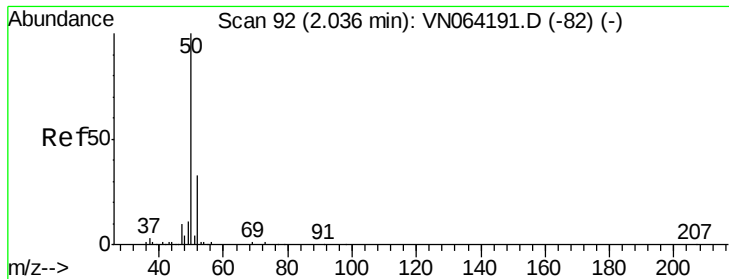
Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	85	Resp:	67467
Ion	Ratio	Lower	Upper
85	100		
87	32.7	17.8	53.3





#3

Chloromethane

Concen: 19.507 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 66183

Ion Ratio Lower Upper

50 100

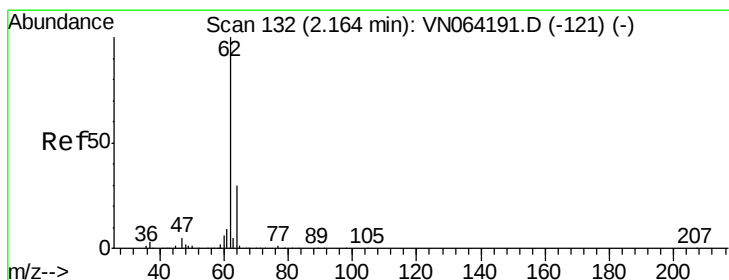
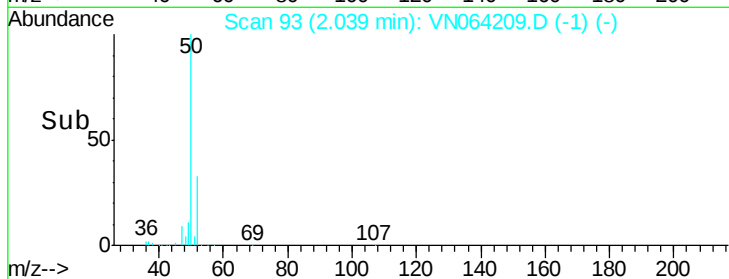
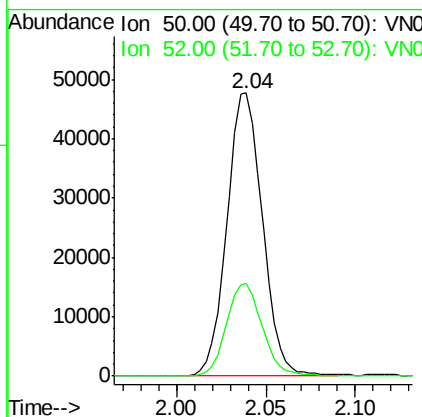
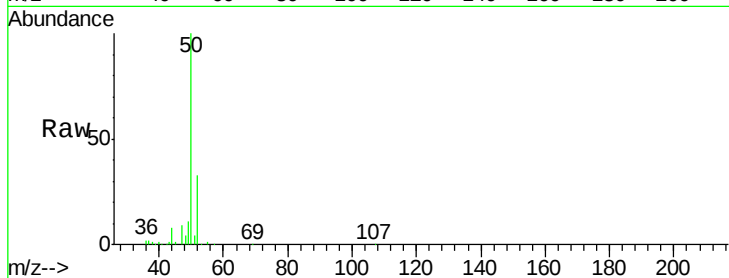
52 32.6 26.6 40.0

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#4

Vinyl Chloride

Concen: 18.796 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064209.D

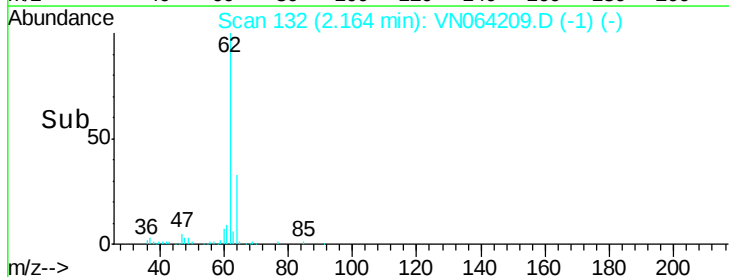
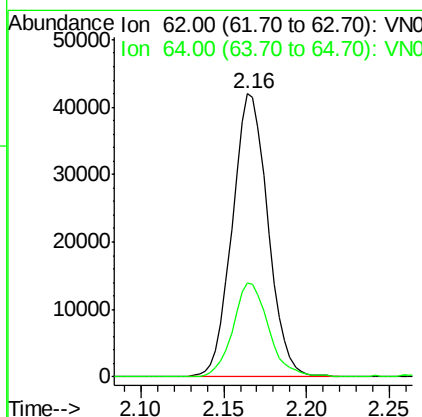
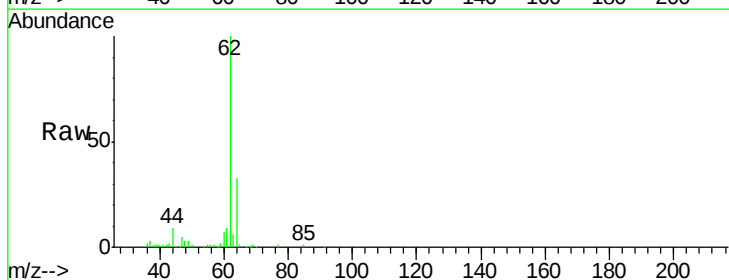
Acq: 20 Oct 2020 20:39

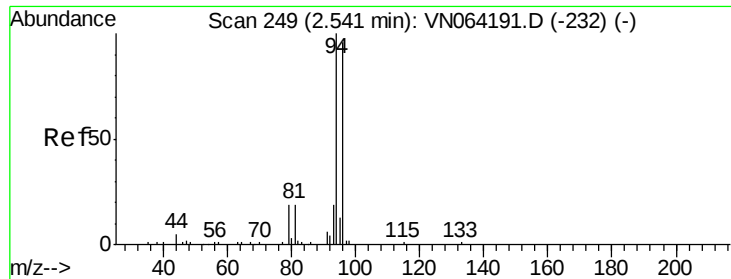
Tgt Ion: 62 Resp: 62741

Ion Ratio Lower Upper

62 100

64 33.2 24.4 36.6





#5

Bromomethane

Concen: 19.814 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 39569

Ion Ratio Lower Upper

94 100

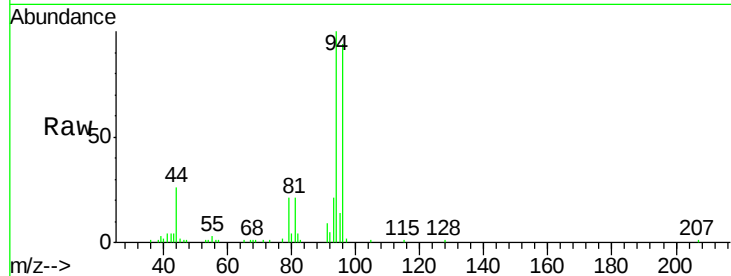
96 94.0 76.6 115.0

Manual Integrations

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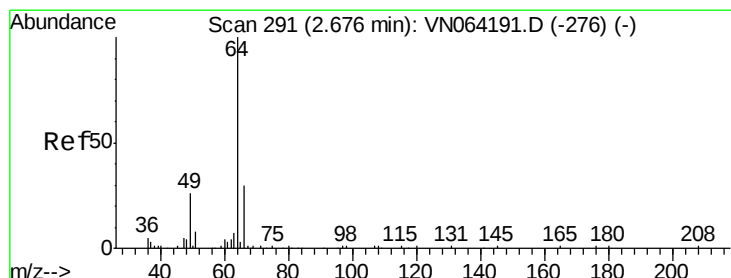
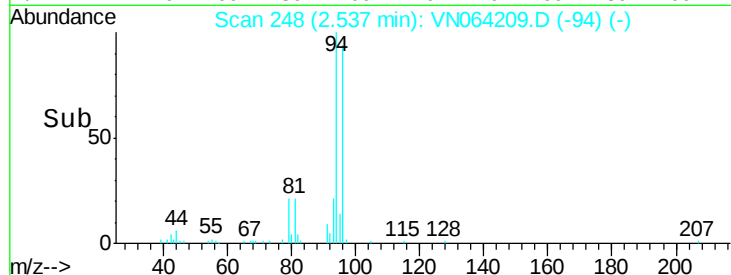
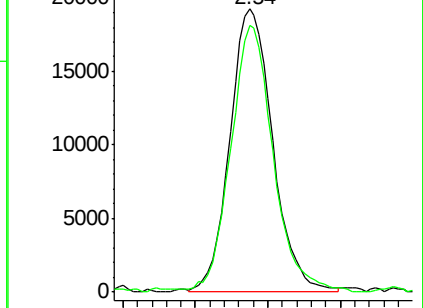
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.971 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064209.D

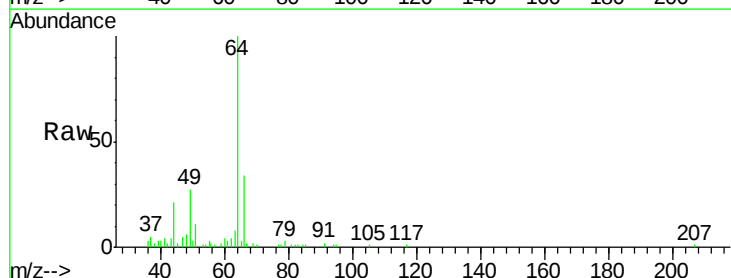
Acq: 20 Oct 2020 20:39

Tgt Ion: 64 Resp: 36884

Ion Ratio Lower Upper

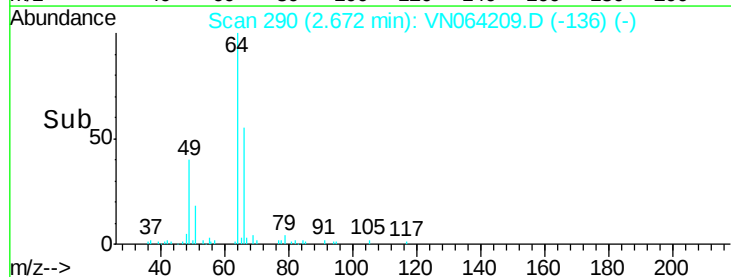
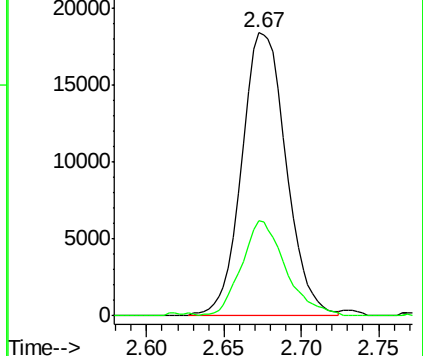
64 100

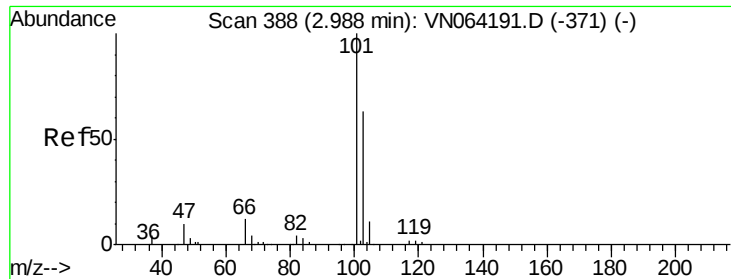
66 32.6 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

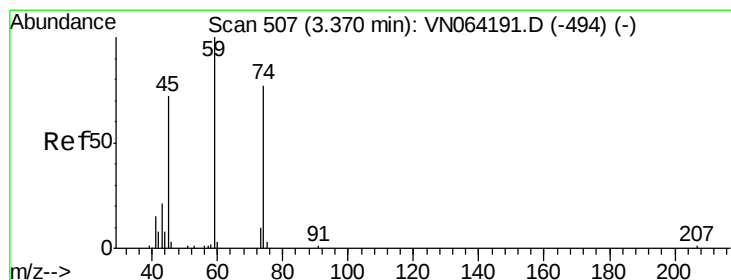
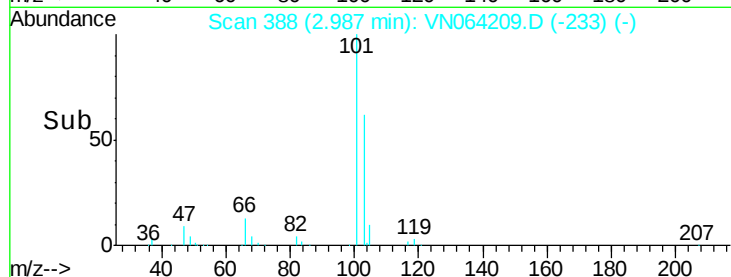
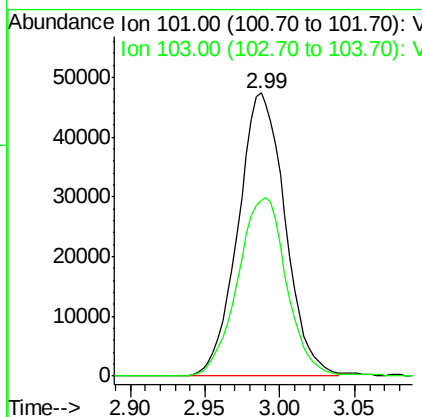
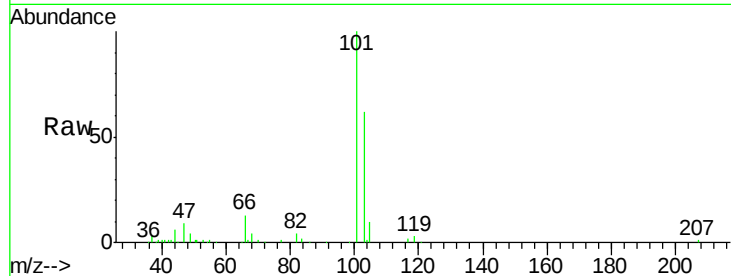
Trichlorofluoromethane
 Concen: 19.323 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064209.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.7	76.1

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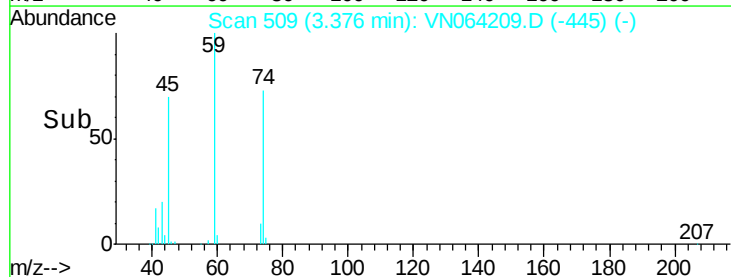
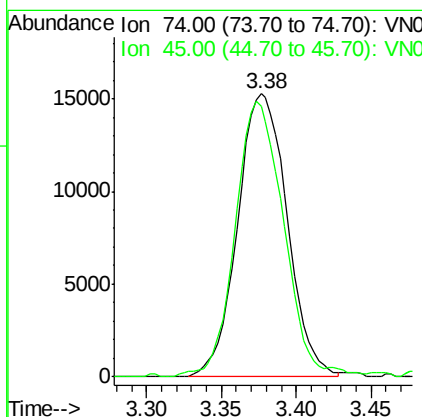
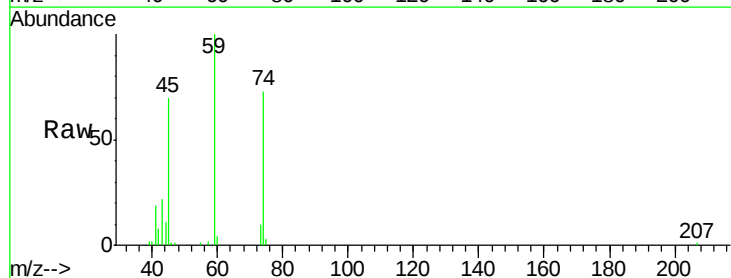
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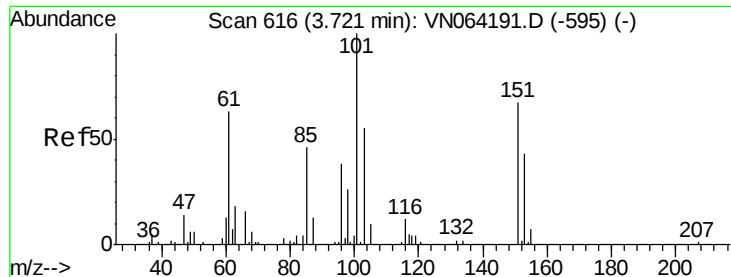


#8

Diethyl Ether
 Concen: 19.331 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.103 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

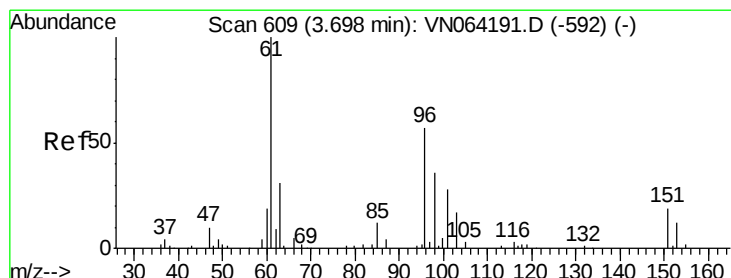
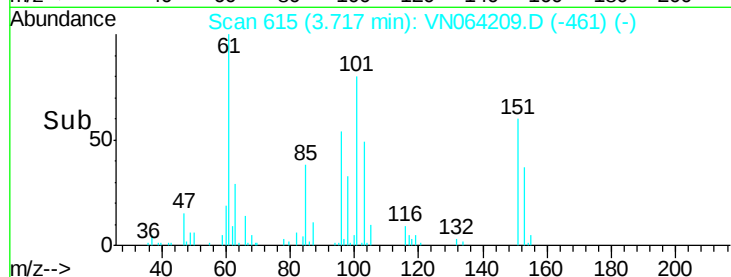
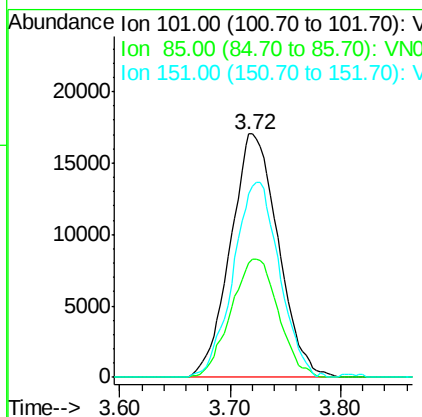
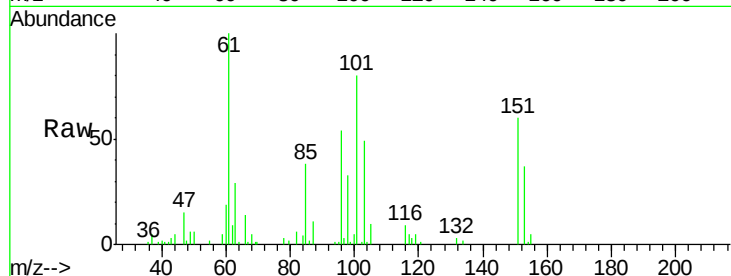
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	51198
Ion Ratio	Lower	Upper	
101	100		
85	48.1	0.0	94.0
151	77.1	0.0	146.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.719 ug/l

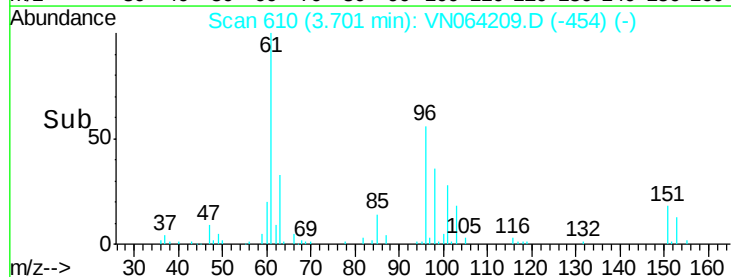
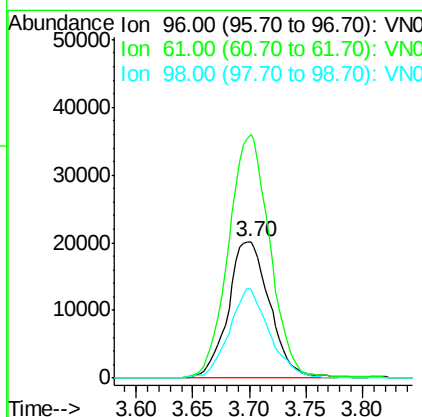
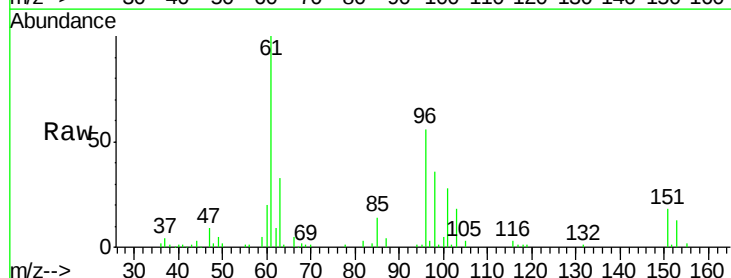
RT: 3.70 min Scan# 610

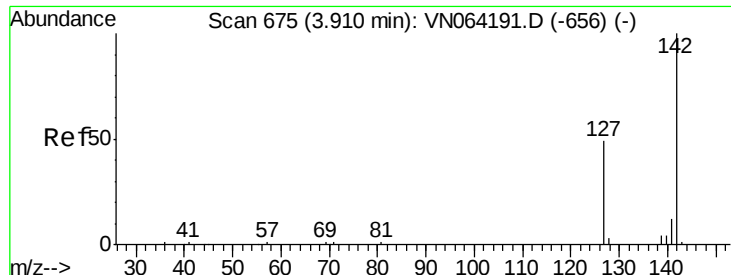
Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	96	Resp:	51545
Ion Ratio	Lower	Upper	
96	100		
61	177.8	141.0	211.4
98	65.2	51.4	77.2





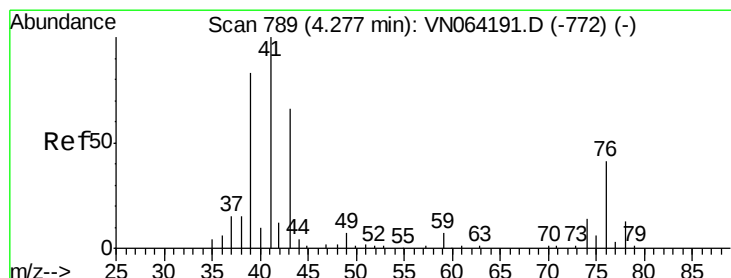
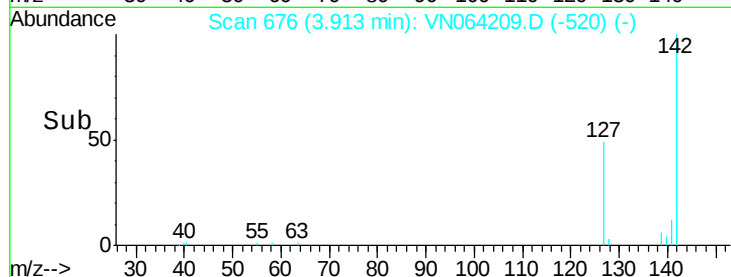
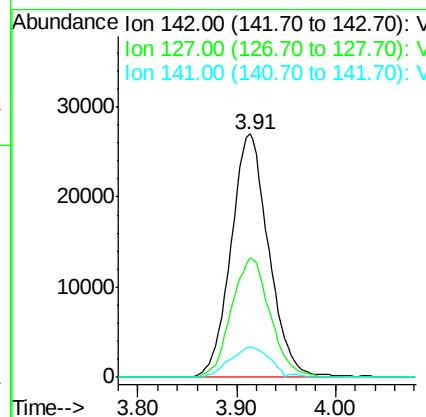
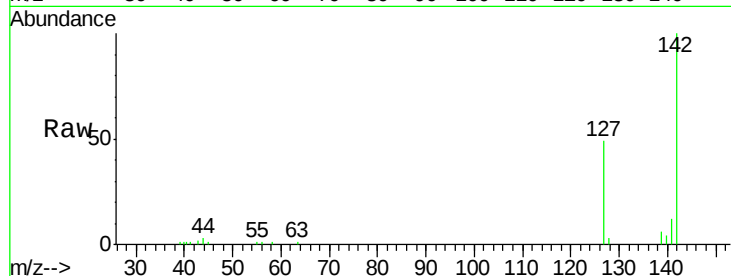
#11
Methyl Iodide
Concen: 18.093 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.0	24.5	73.5
141	12.4	6.0	18.1

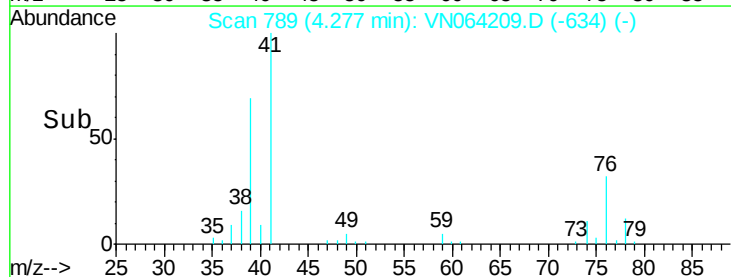
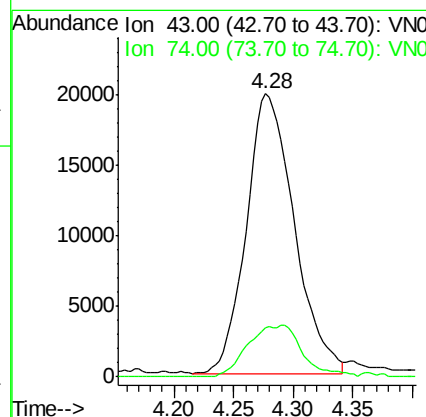
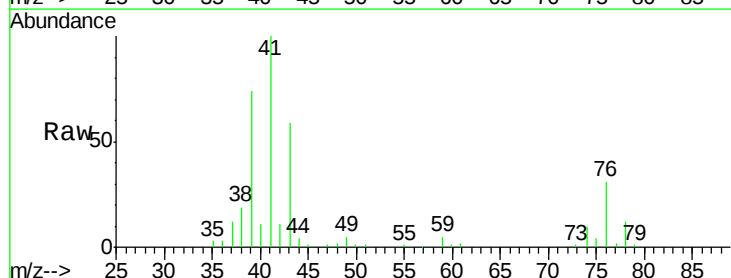
Manual Integrations
APPROVED

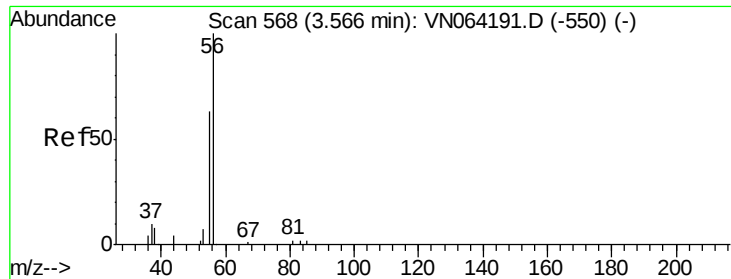
MMDadoda
10/23/2020 2:29:05 PM



#12
Methyl Acetate
Concen: 19.006 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	17.1	16.2	24.2





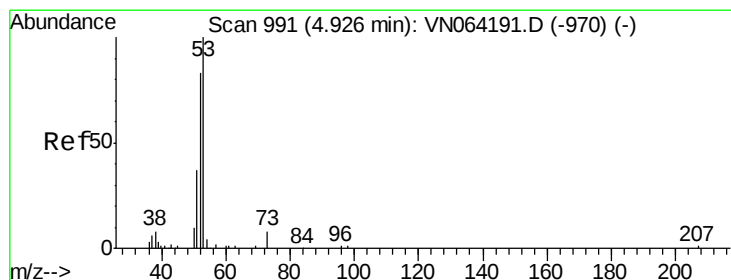
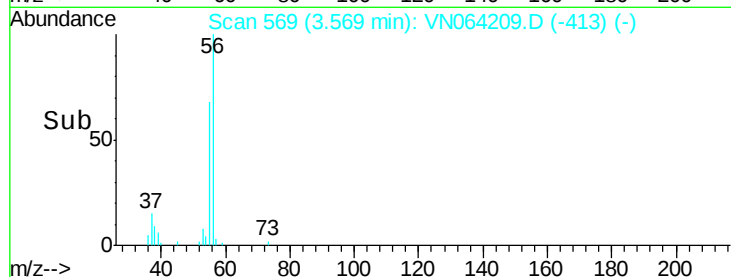
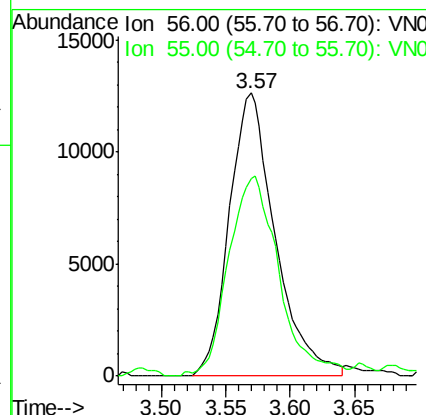
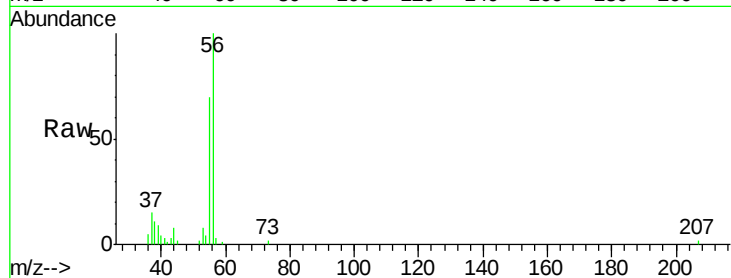
#13
Acrolein
Concen: 98.588 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	56	Resp	31286
Ion Ratio	Lower	Upper	
56	100		
55	76.2	0.5	0.7#

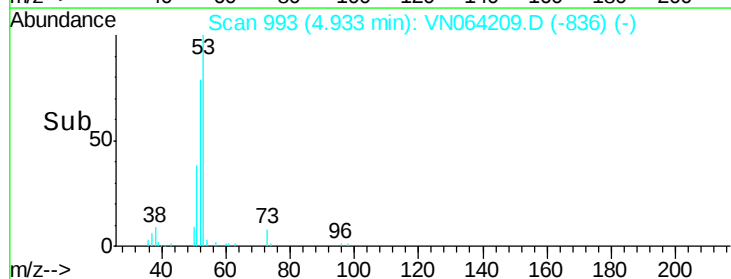
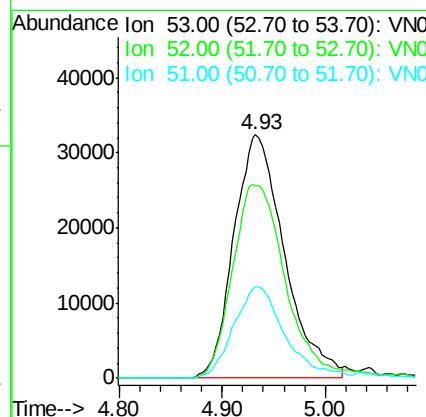
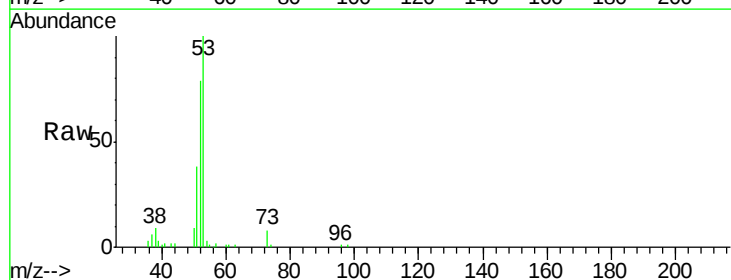
Manual Integrations
APPROVED

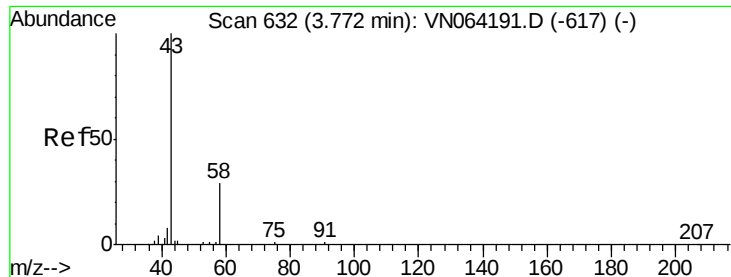
MMDadoda
10/23/2020 2:29:05 PM



#14
Acrylonitrile
Concen: 94.199 ug/l
RT: 4.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	53	Resp	110170
Ion Ratio	Lower	Upper	
53	100		
52	84.0	41.3	123.9
51	36.6	18.1	54.1





#15

Acetone

Concen: 93.285 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 29457

Ion Ratio Lower Upper

58 100

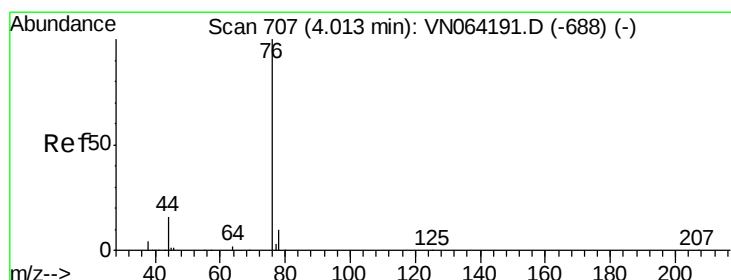
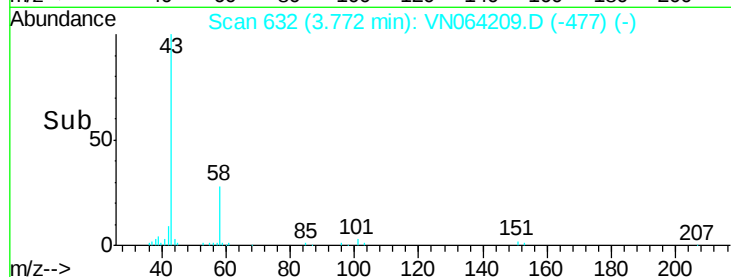
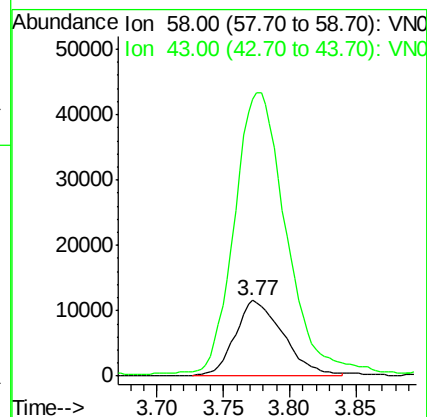
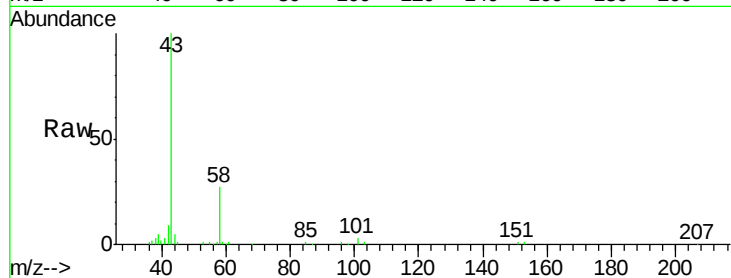
43 360.1 272.1 408.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.290 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064209.D

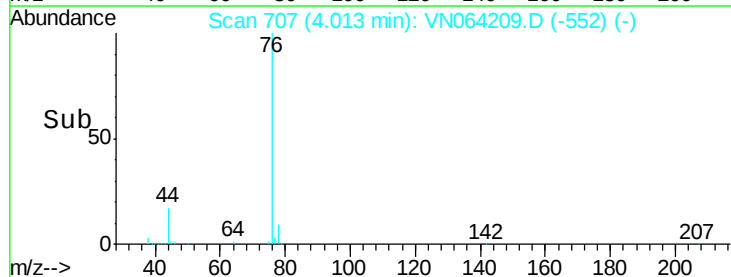
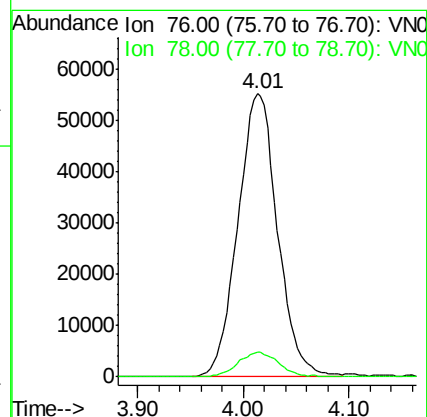
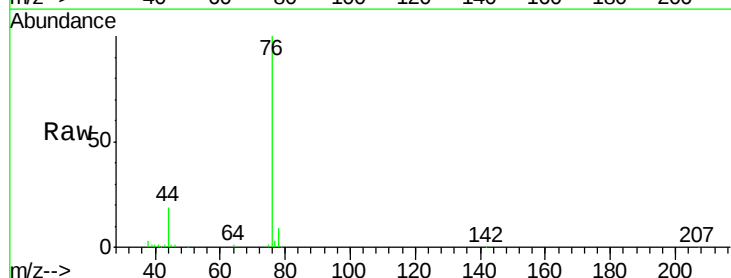
Acq: 20 Oct 2020 20:39

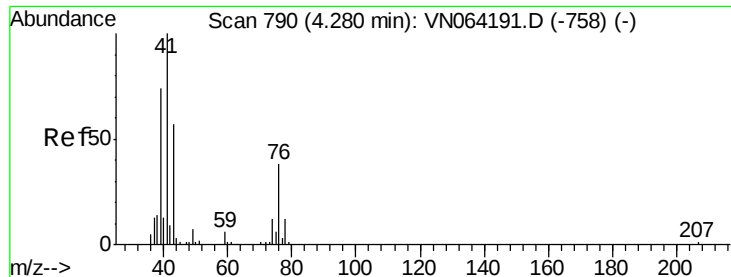
Tgt Ion: 76 Resp: 144031

Ion Ratio Lower Upper

76 100

78 8.7 7.7 11.5





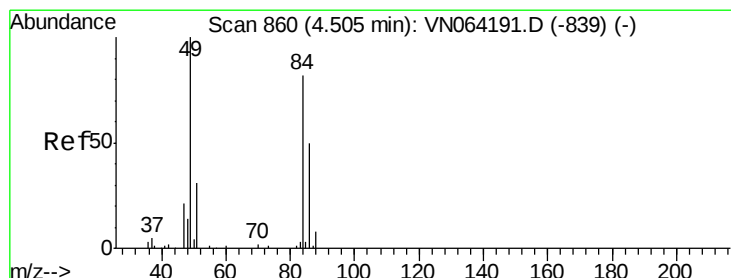
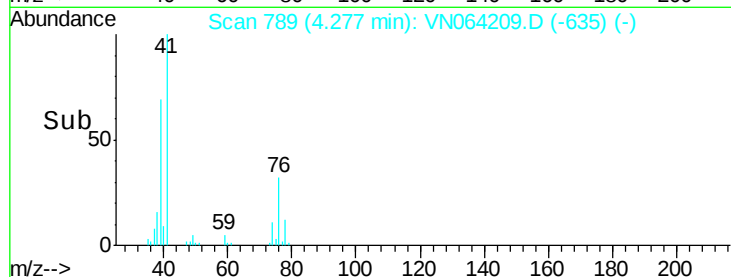
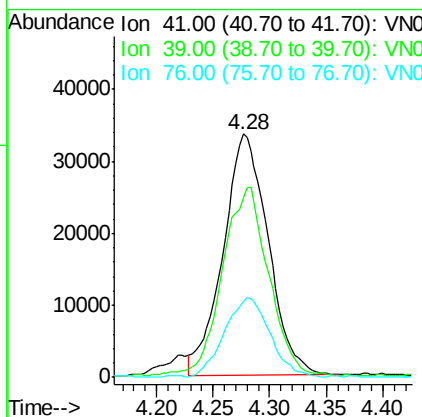
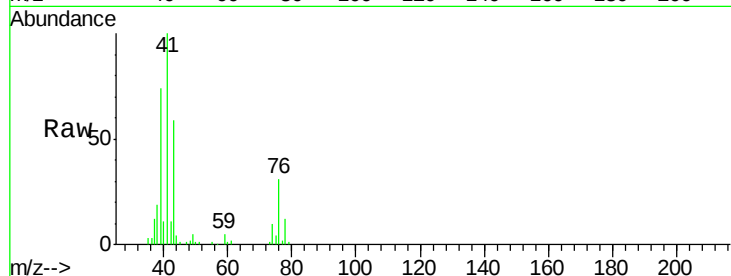
#17
Allvl chloride
Concen: 18.126 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	92805
Ion	Ratio	Lower	Upper
41	100		
39	73.9	36.8	110.4
76	31.7	18.8	56.4

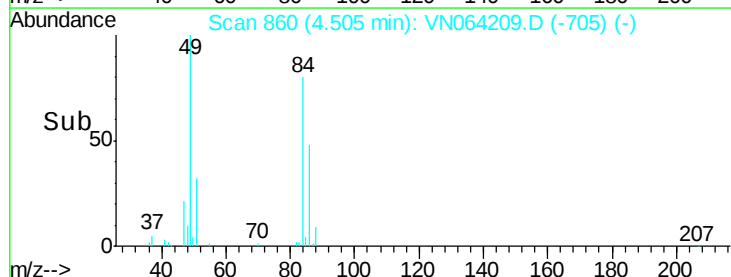
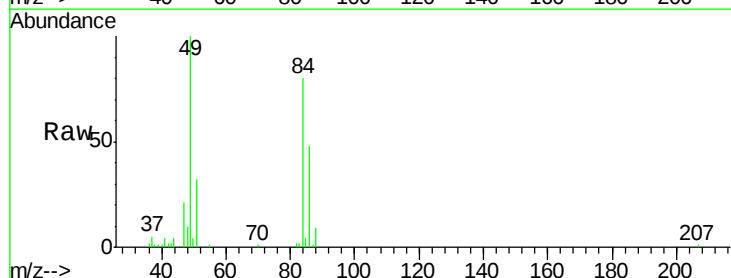
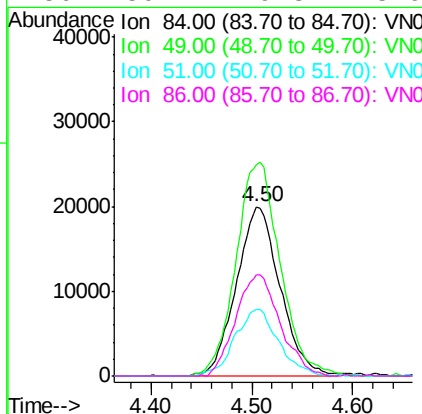
Manual Integrations
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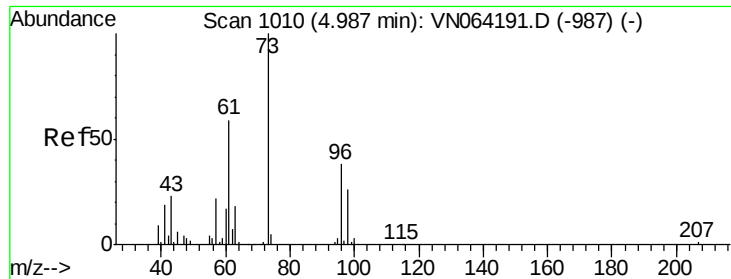
MMDadoda
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#18
Methylene Chloride
Concen: 19.063 ug/l
RT: 4.50 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion:	84	Resp:	60037
Ion	Ratio	Lower	Upper
84	100		
49	124.7	97.6	146.4
51	39.5	31.1	46.7
86	59.4	49.3	73.9





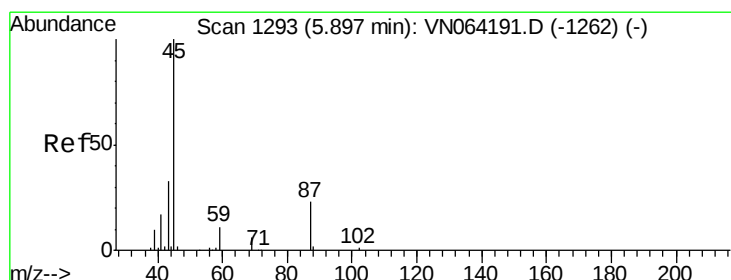
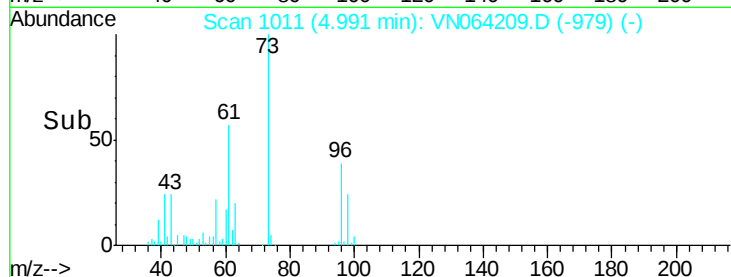
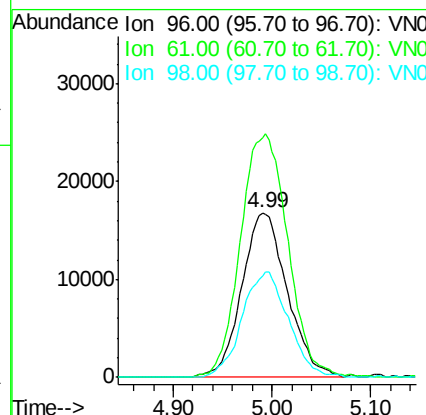
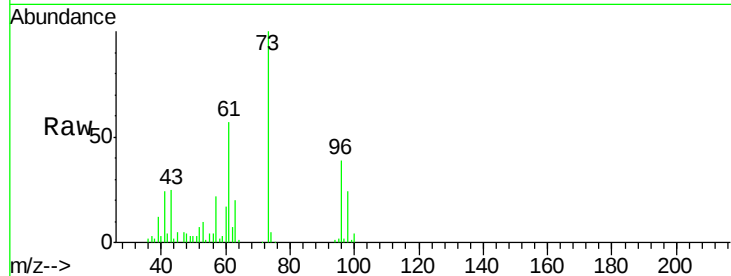
#19
trans-1,2-Dichloroethene
Concen: 18.054 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.1	125.5	188.3
98	62.0	54.7	82.1

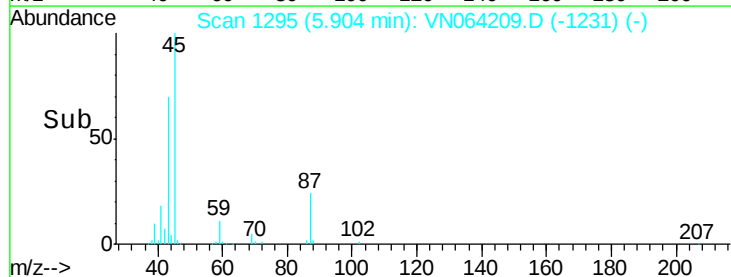
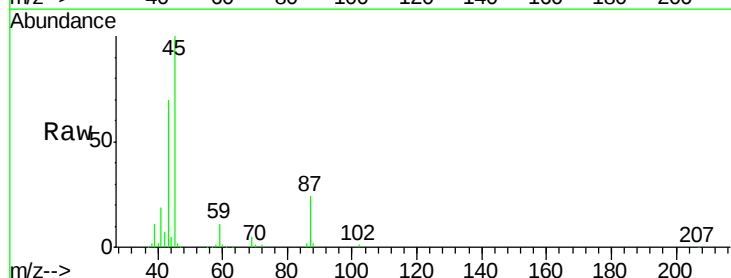
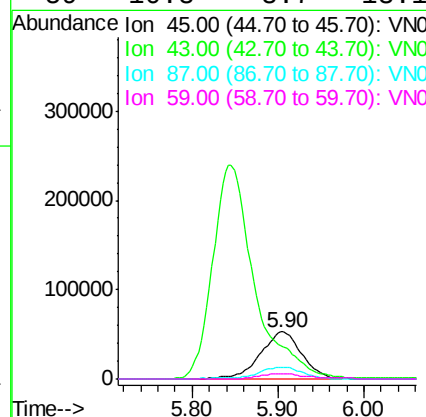
Manual Integrations
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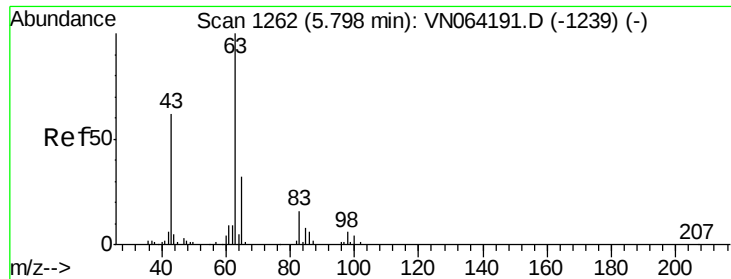
MMDadoda
10/23/2020 2:29:05 PM



#20
Diisopropyl ether
Concen: 18.714 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.7	55.1	82.7
87	23.9	19.4	29.2
59	10.8	8.7	13.1





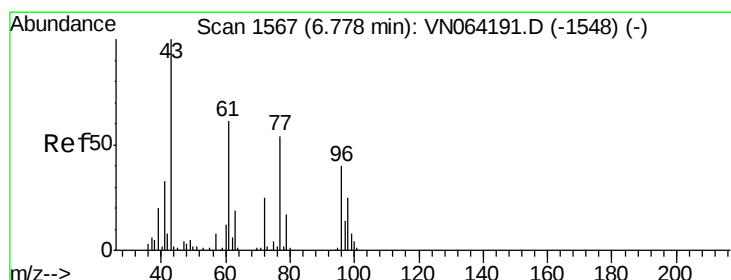
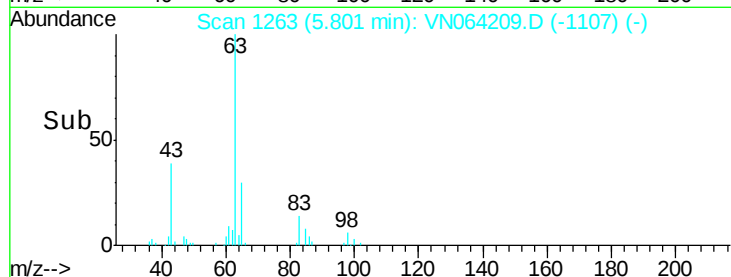
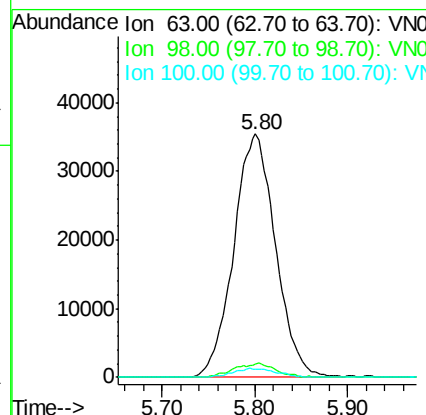
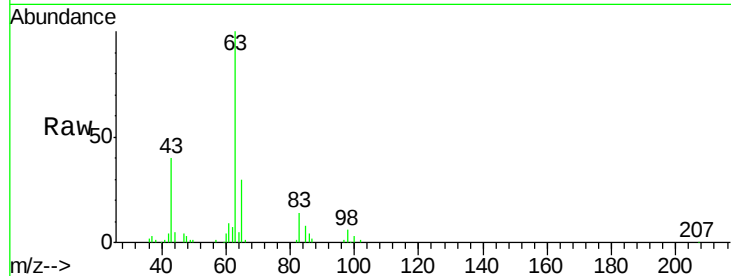
#21
 1,1-Dichloroethane
 Concen: 19.187 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	5.6	2.9	8.7	
100	3.1	2.1	6.3	

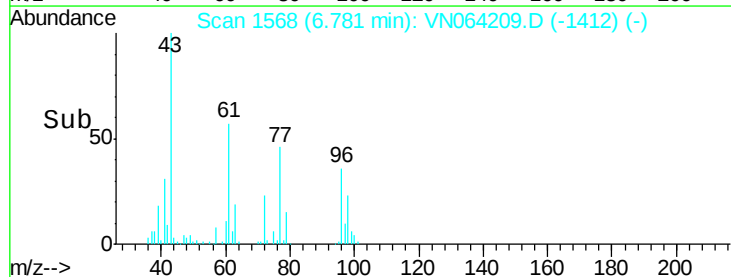
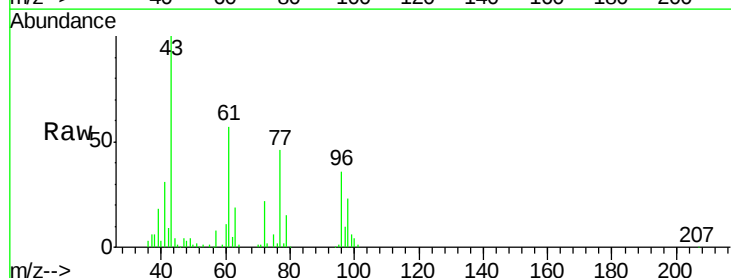
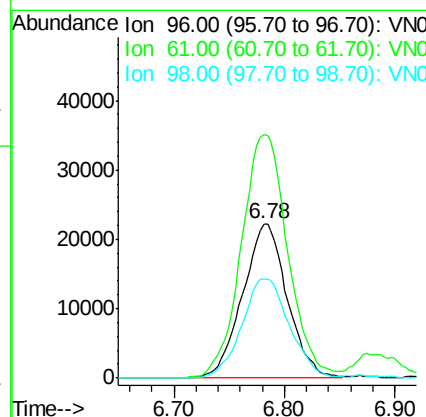
Manual Integrations
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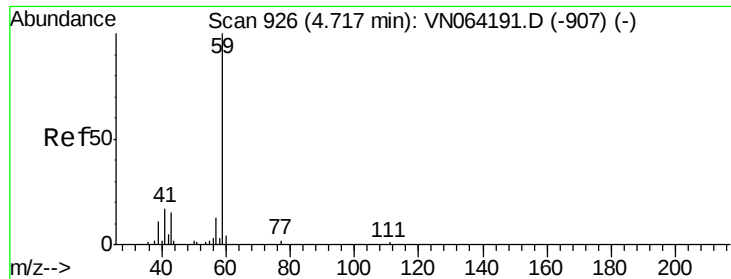
MMDadoda
 10/23/2020 2:29:05 PM



#22
 cis-1,2-Dichloroethene
 Concen: 17.936 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	161.7	126.2	189.4	
98	68.9	50.2	75.4	





#23

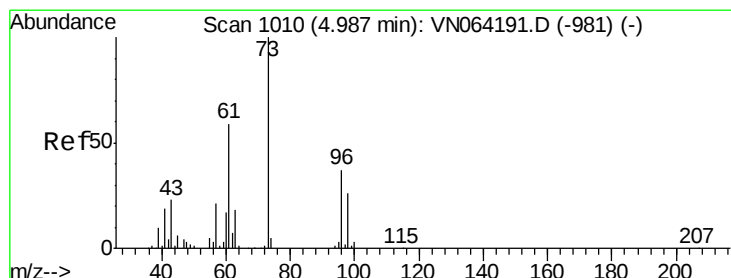
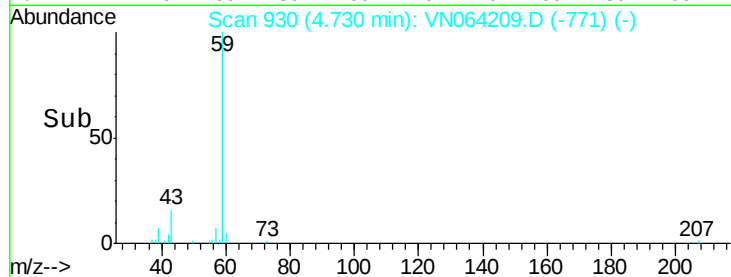
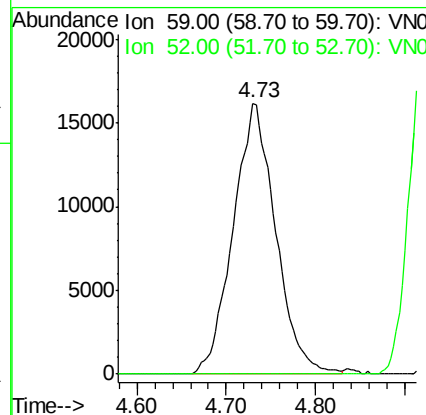
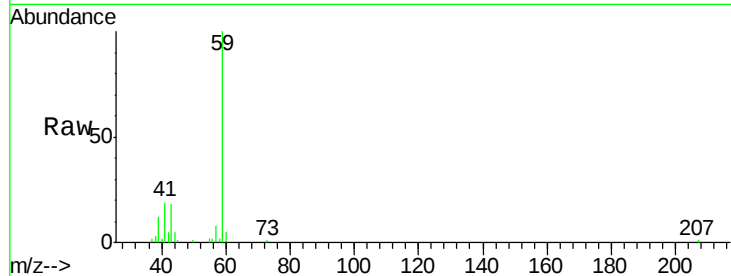
tert-Butyl Alcohol
 Concen: 98.548 ug/l
 RT: 4.73 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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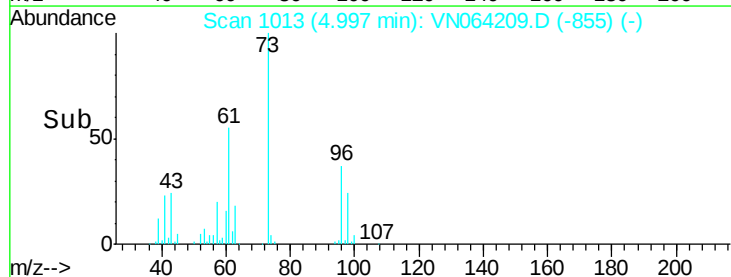
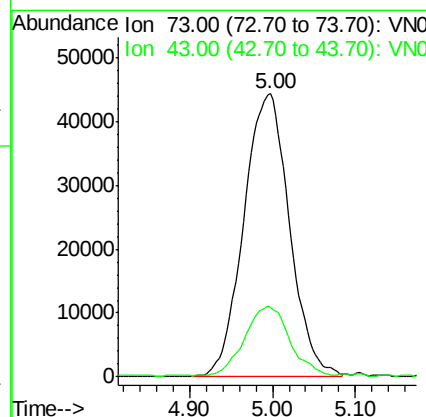
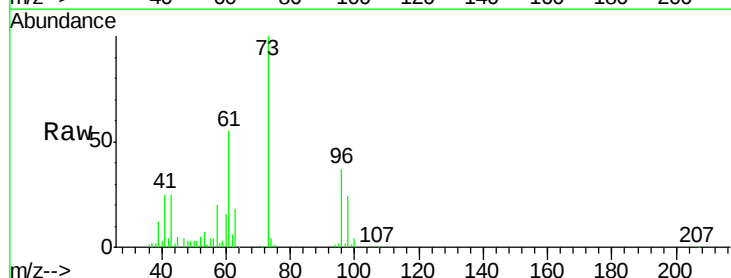
MMDadoda
 10/23/2020 2:29:05 PM

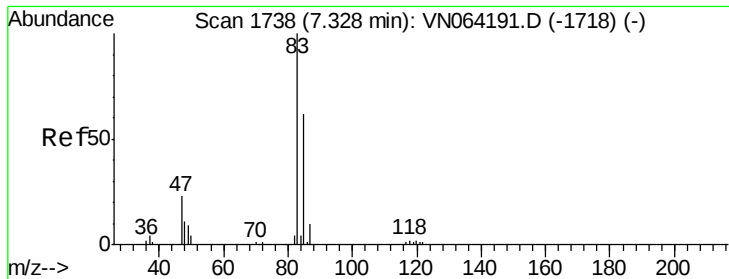


#24

Methyl tert-Butyl Ether
 Concen: 18.720 ug/l
 RT: 5.00 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.1	18.2	27.2





#25

Chloroform

Concen: 18.629 ug/l

RT: 7.33 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 83 Resp: 111814

Ion Ratio Lower Upper

83 100

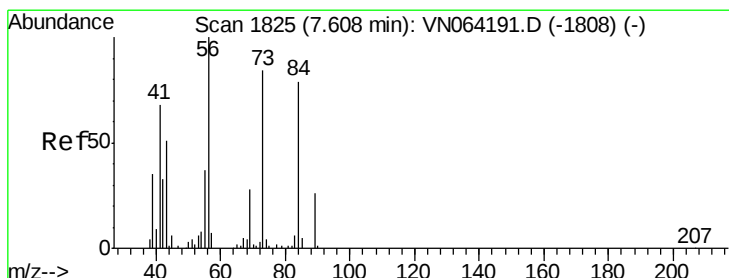
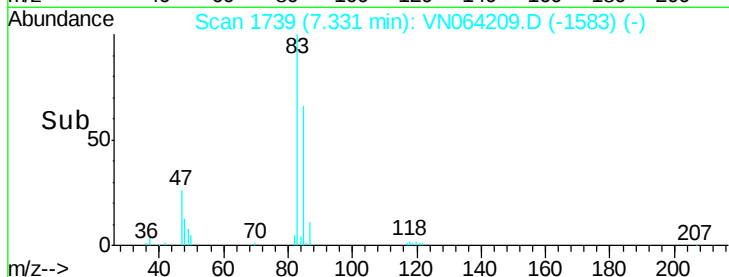
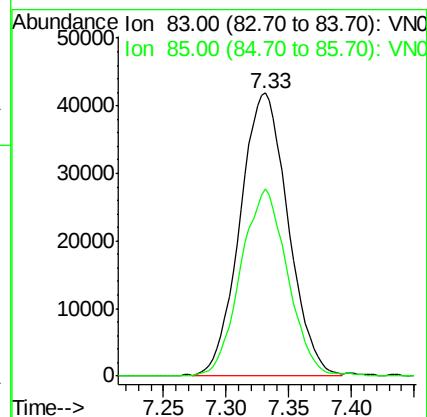
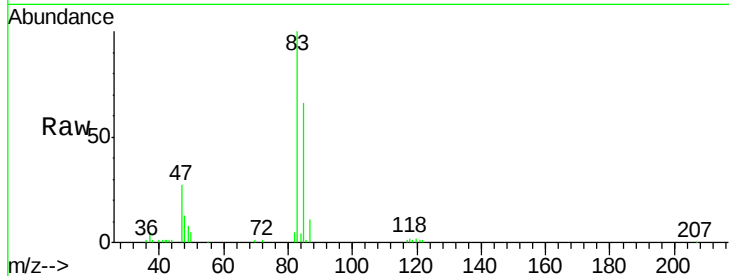
85 66.3 49.7 74.5

Manual Integrations

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MMDadoda

10/23/2020 2:29:05 PM



#26

Cyclohexane

Concen: 18.259 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

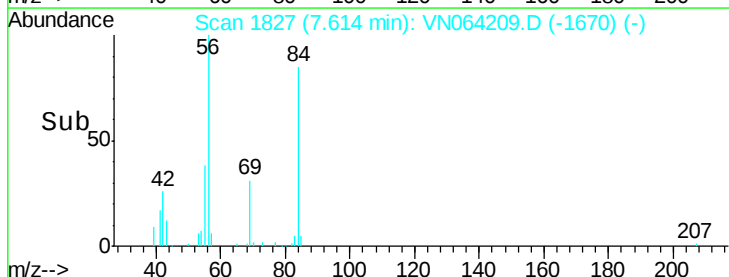
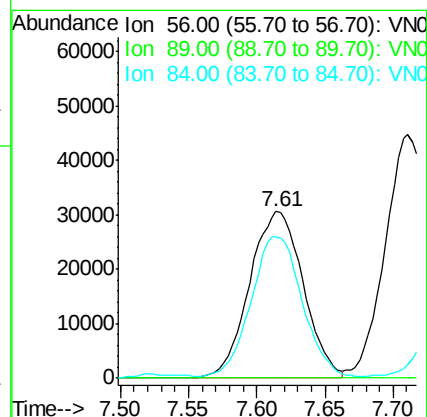
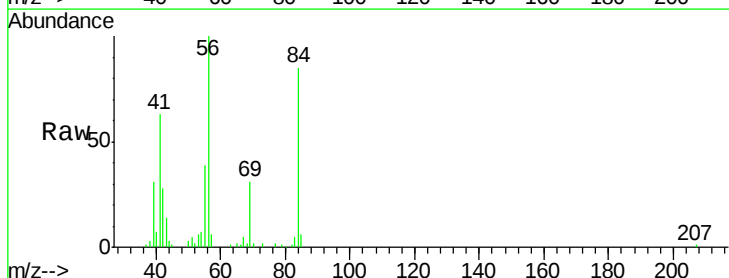
Tgt Ion: 56 Resp: 83630

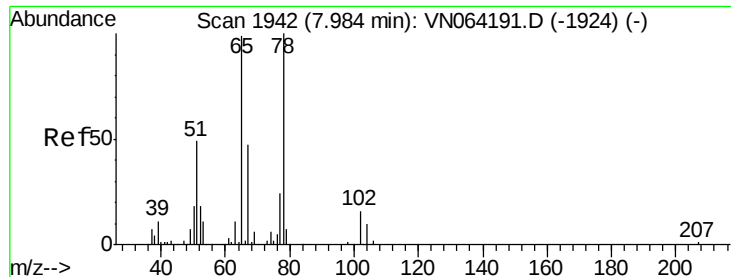
Ion Ratio Lower Upper

56 100

89 0.1 21.4 32.0#

84 82.0 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 32.836 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 129734

Ion Ratio Lower Upper

65 100

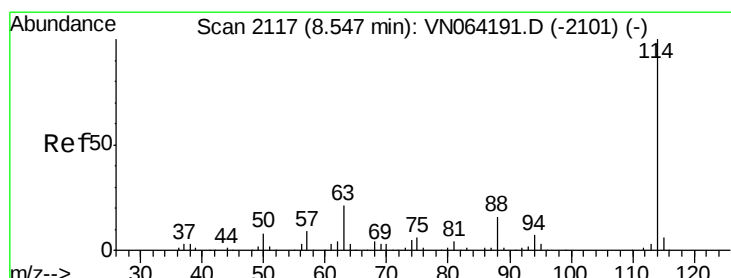
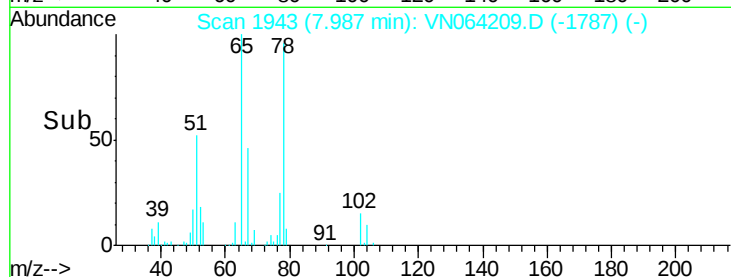
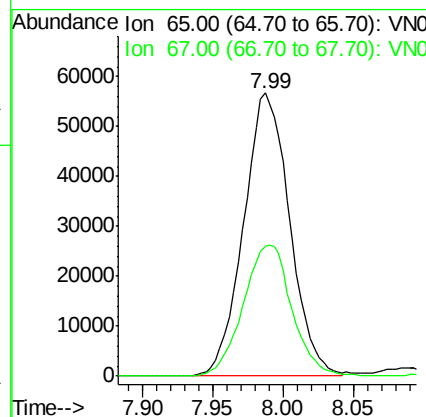
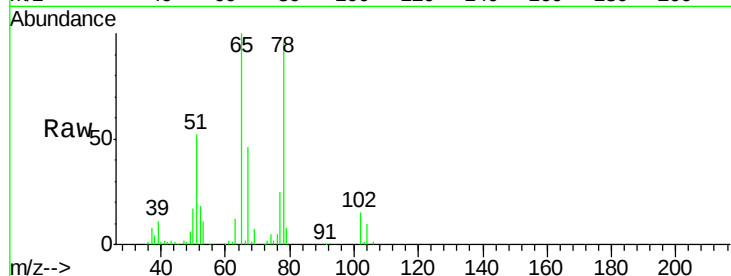
67 48.9 39.8 59.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

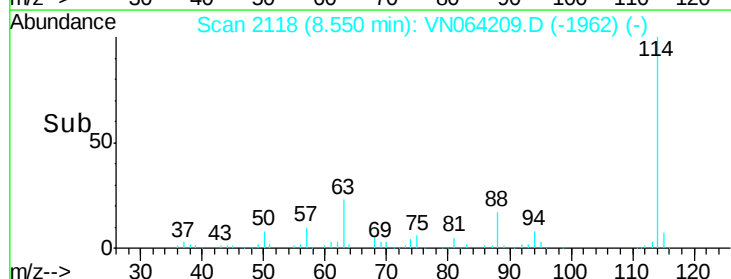
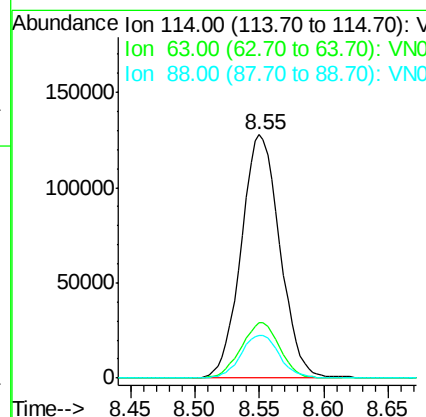
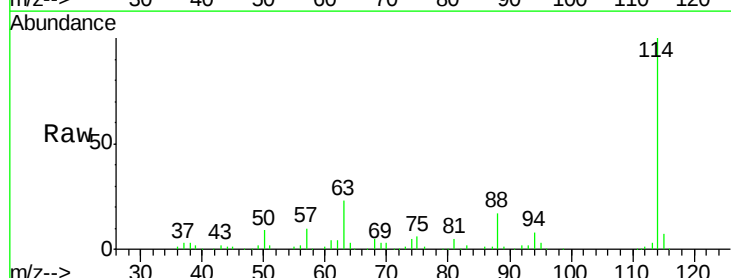
Tgt Ion: 114 Resp: 266740

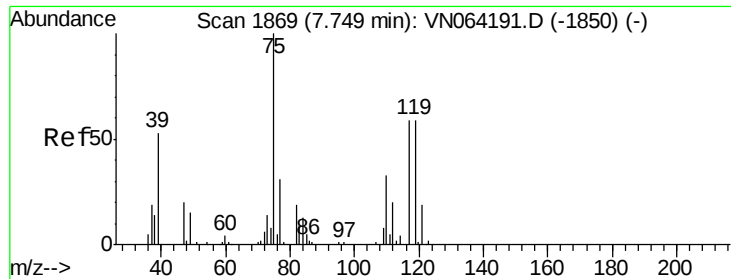
Ion Ratio Lower Upper

114 100

63 22.8 17.0 25.4

88 17.4 13.0 19.4





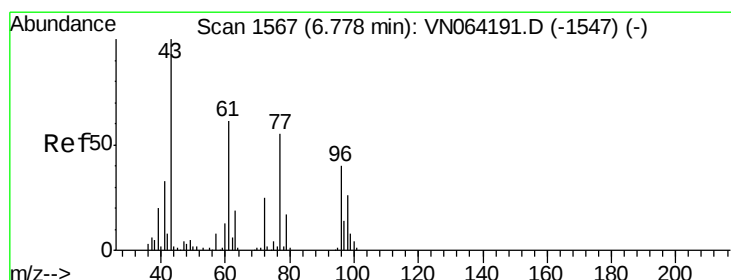
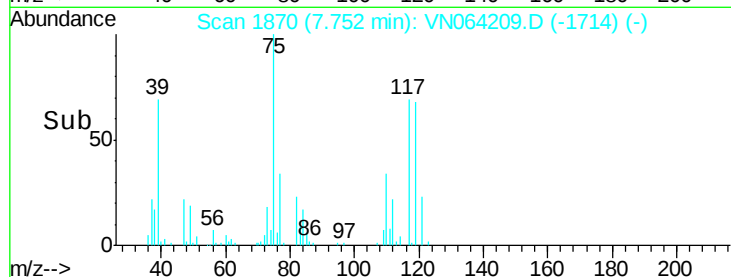
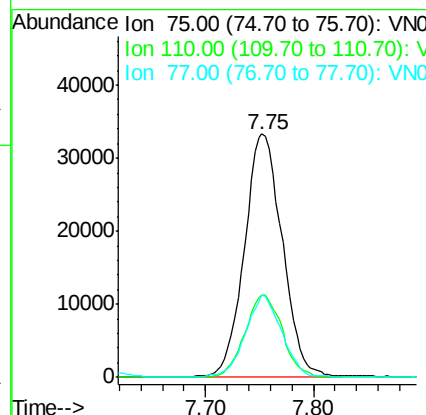
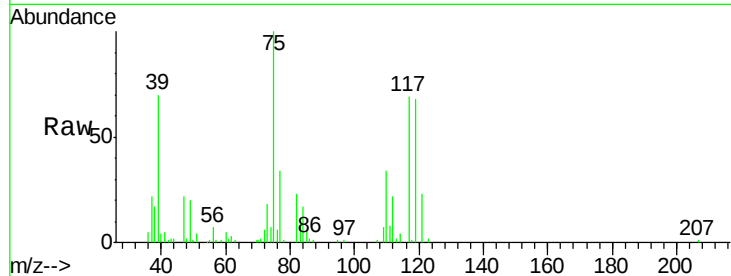
#29
 1,1-Dichloropropene
 Concen: 18.417 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100	81586		
110	33.1	0.0	66.8	
77	31.9	0.0	63.6	

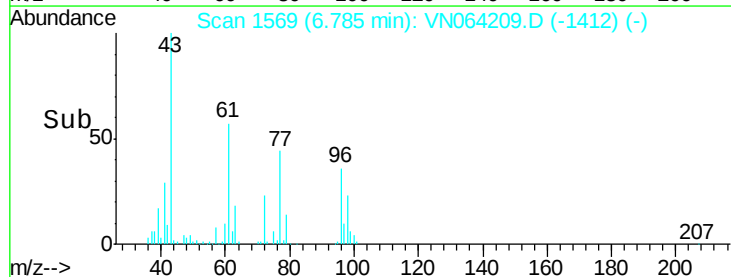
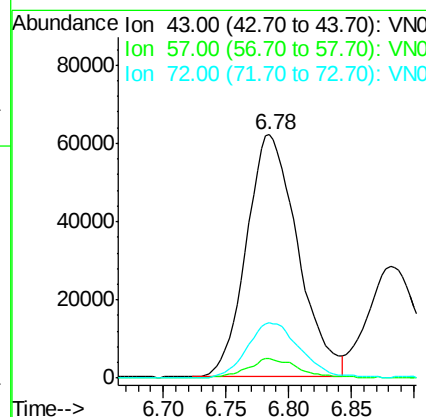
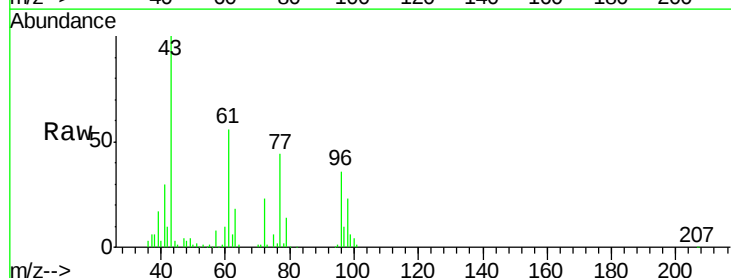
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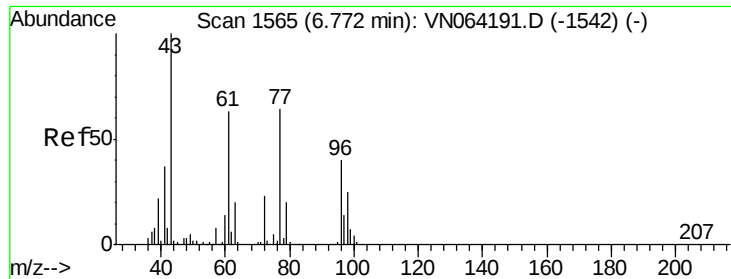
MMDadoda
 10/23/2020 2:29:05 PM



#30
 2-Butanone
 Concen: 96.271 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	175862		
57	8.0	5.8	8.6	
72	23.7	19.8	29.8	





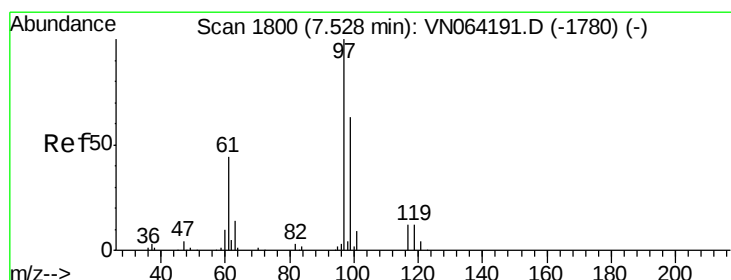
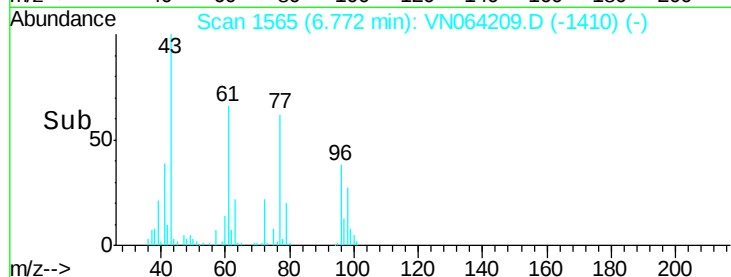
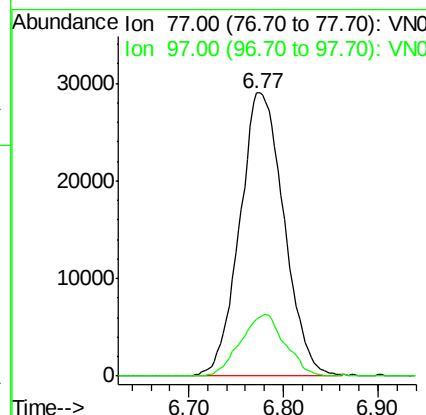
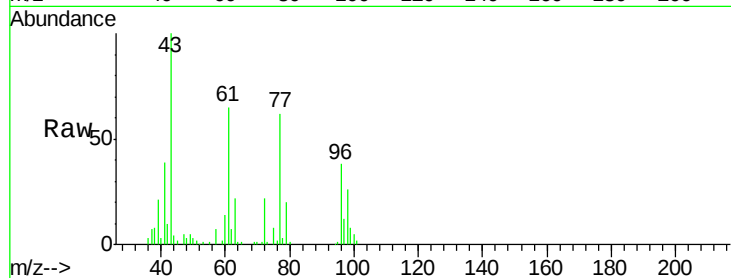
#31
 2,2-Dichloropropane
 Concen: 16.764 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 94278
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.3 25.9

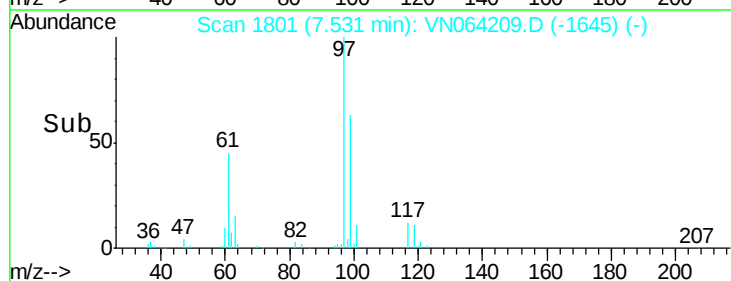
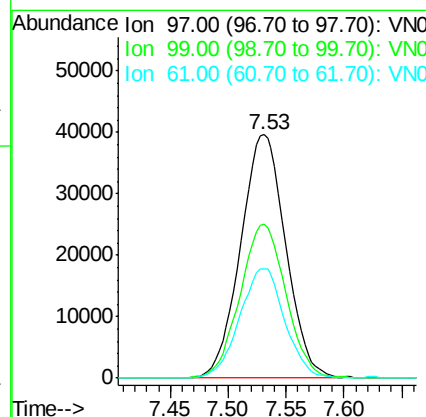
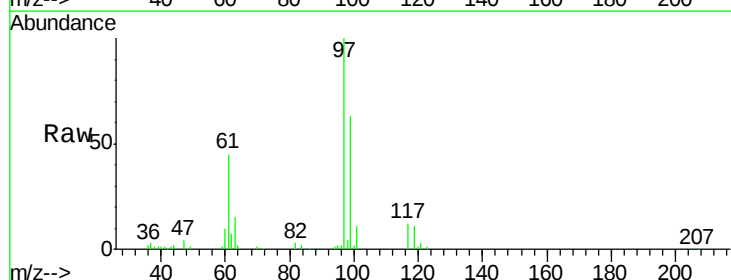
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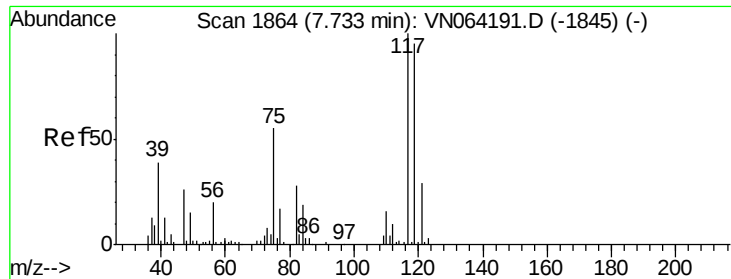
MMDadoda
 10/23/2020 2:29:05 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.992 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion: 97 Resp: 107195
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.3 76.9
 61 44.8 34.8 52.2





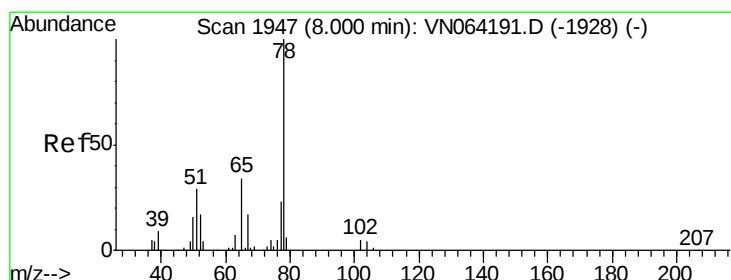
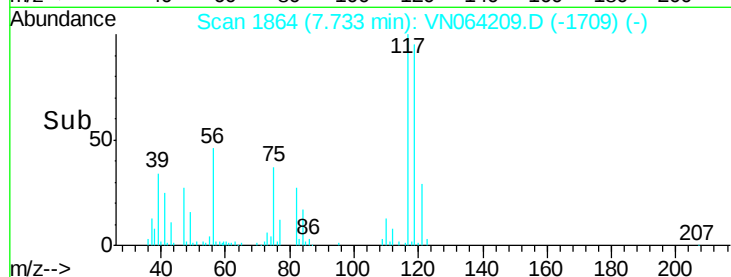
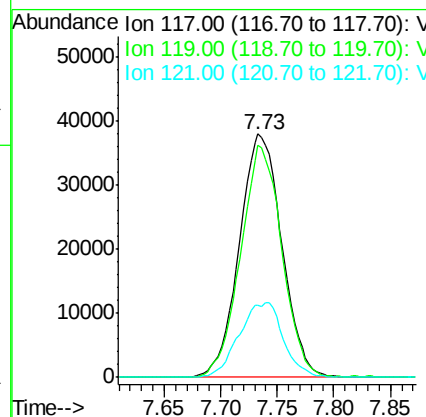
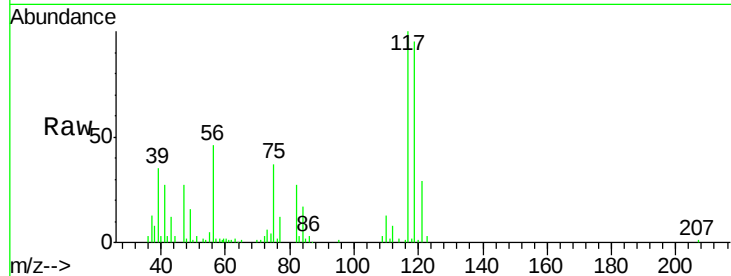
#33
Carbon Tetrachloride
Concen: 19.282 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.0	114.0
121	29.4	23.0	34.6

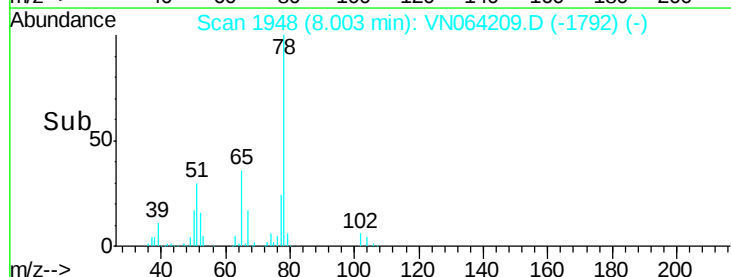
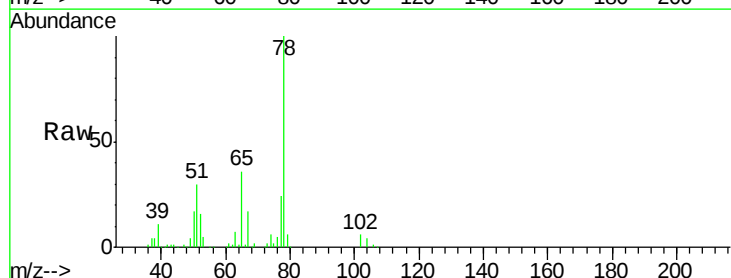
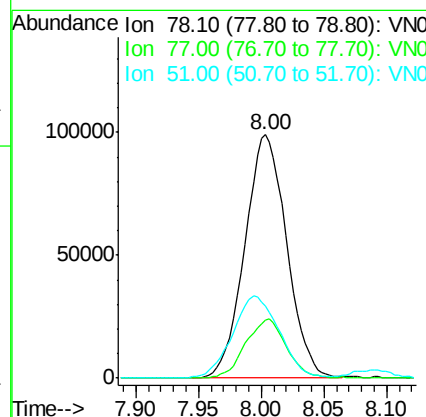
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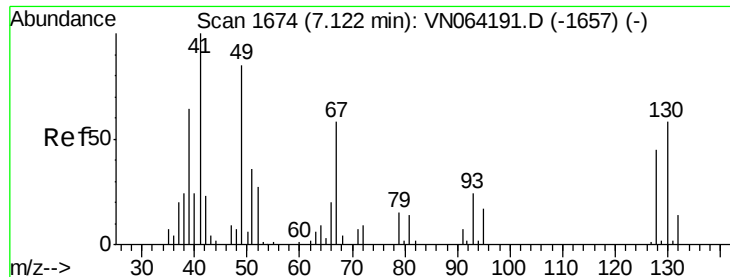
MMDadoda
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#34
Benzene
Concen: 18.672 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.4	27.6
51	29.0	23.0	34.6





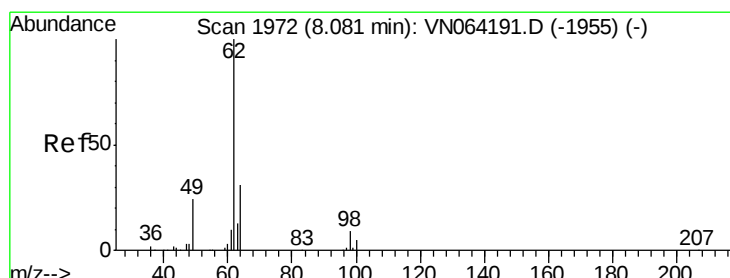
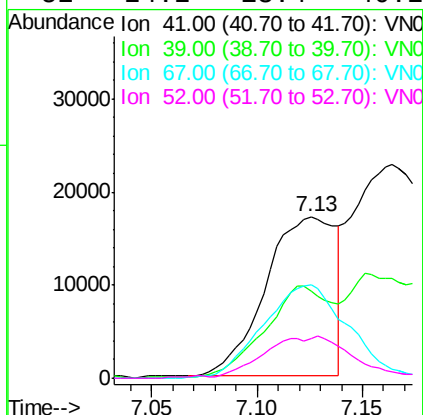
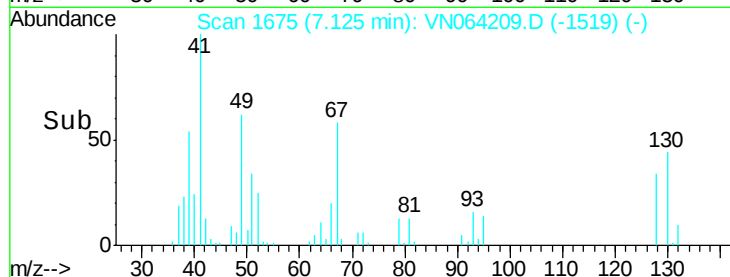
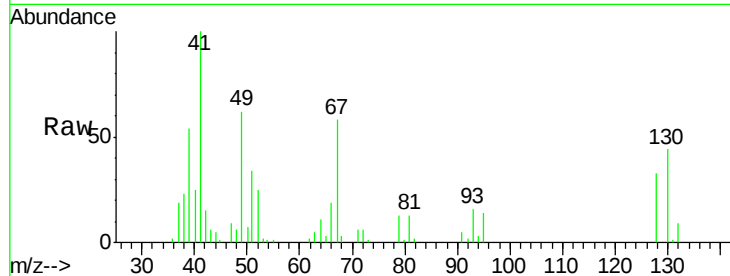
#35
Methacrylonitrile
Concen: 19.609 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41.00	Resp:	39292
Ion	Ratio	Lower	Upper
41	100		
39	54.0	32.1	96.3
67	57.8	28.9	86.8
52	24.2	13.4	40.2

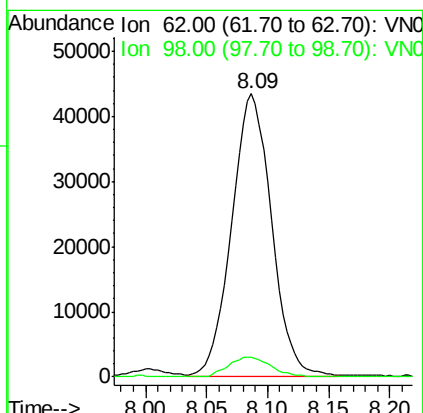
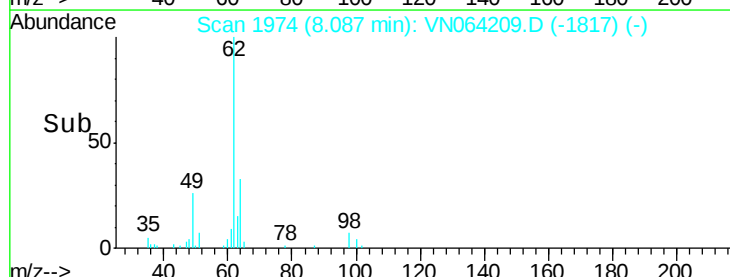
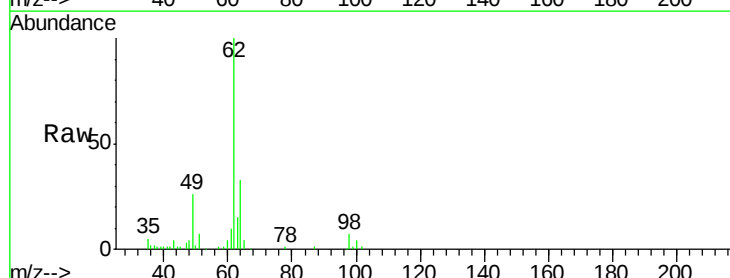
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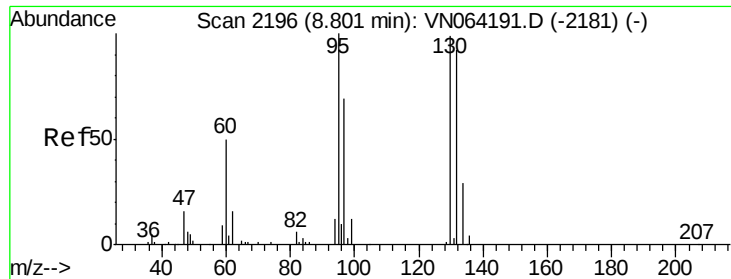
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.827 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	62.00	Resp:	98920
Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.3	9.5





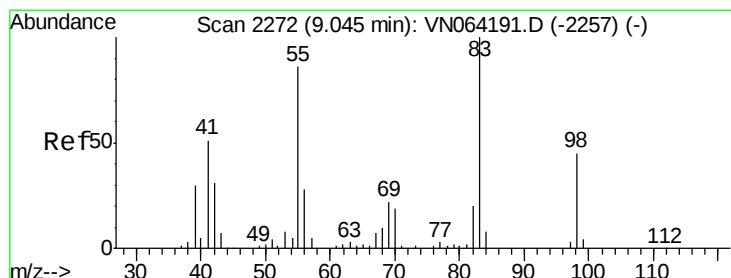
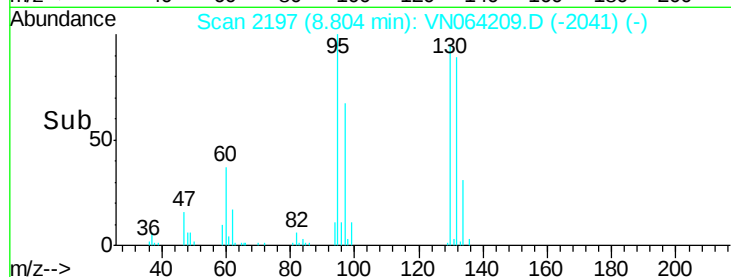
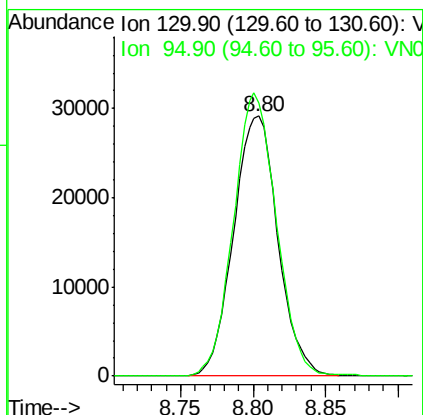
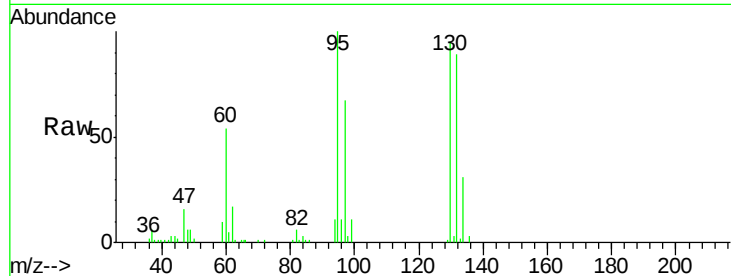
#37
 Trichloroethene
 Concen: 18.278 ug/l
 RT: 8.80 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 62080
 Ion Ratio Lower Upper
 130 100
 95 105.2 81.0 121.4

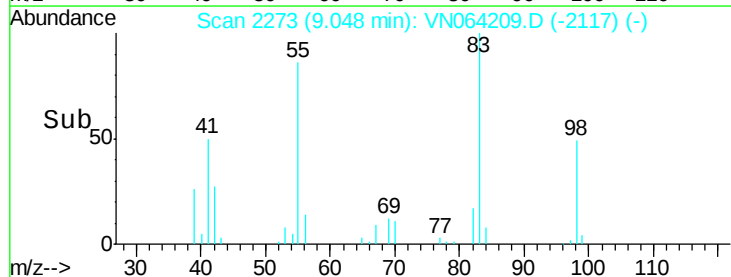
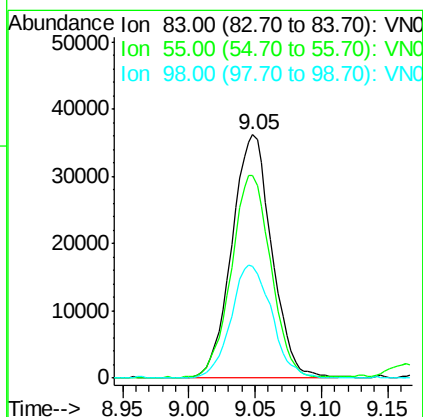
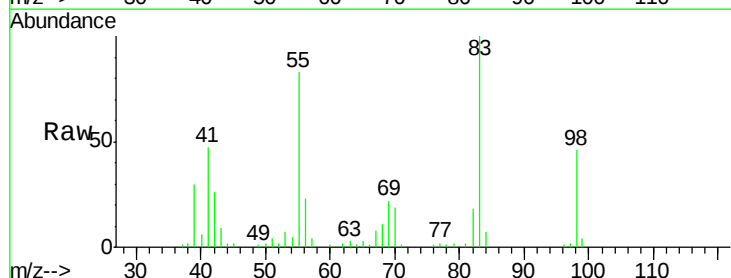
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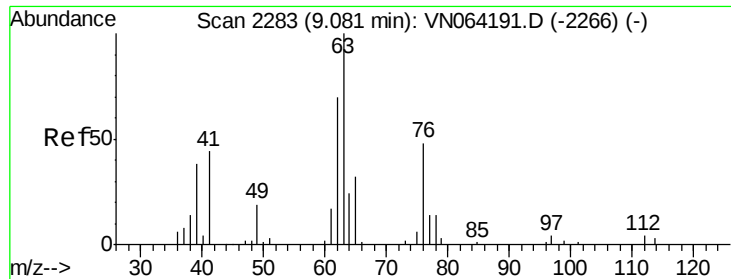
MMDadoda
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#38
 Methylcyclohexane
 Concen: 17.921 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion: 83 Resp: 75927
 Ion Ratio Lower Upper
 83 100
 55 82.6 40.3 120.9
 98 47.0 22.4 67.0





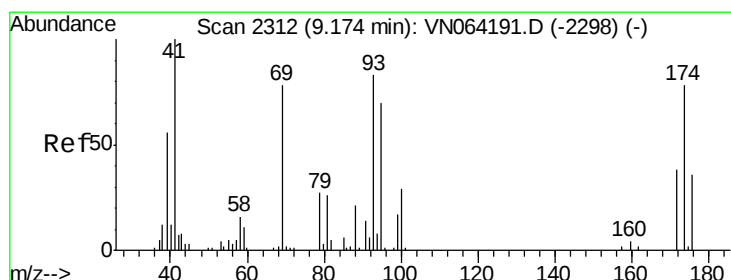
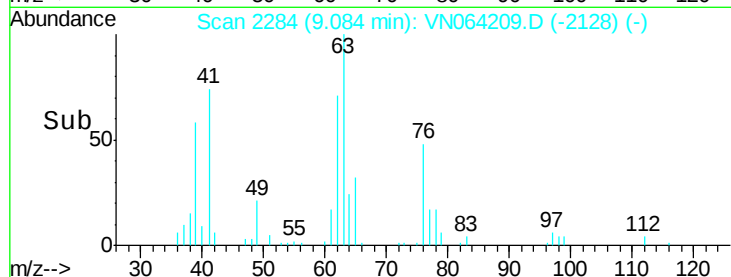
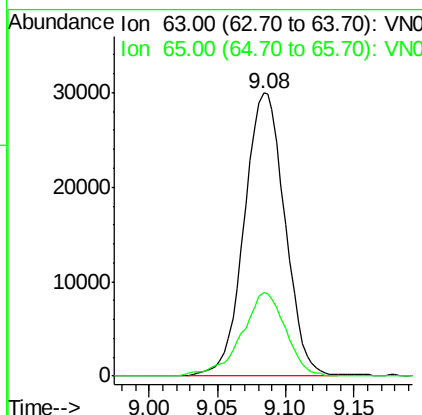
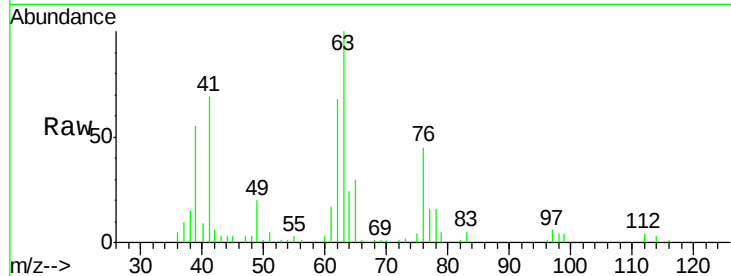
#39
 1,2-Dichloropropane
 Concen: 18.851 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 62056
 Ion Ratio Lower Upper
 63 100
 65 29.6 26.5 39.7

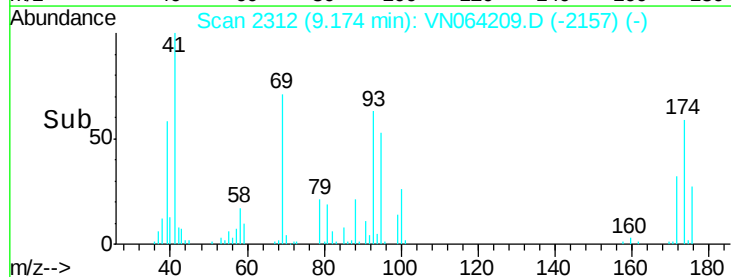
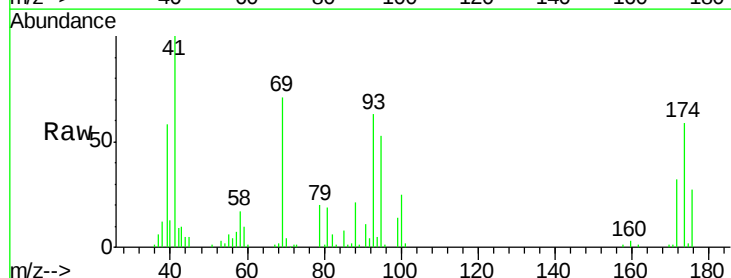
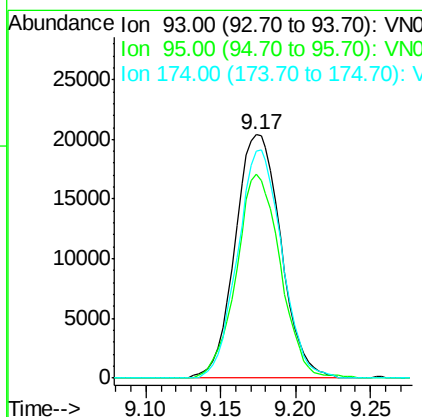
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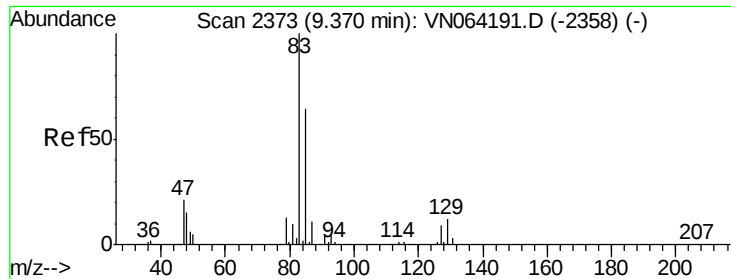
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#40
 Dibromomethane
 Concen: 18.974 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion: 93 Resp: 43460
 Ion Ratio Lower Upper
 93 100
 95 80.4 0.0 169.2
 174 90.4 0.0 187.4





#41

Bromodichloromethane

Concen: 19.478 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

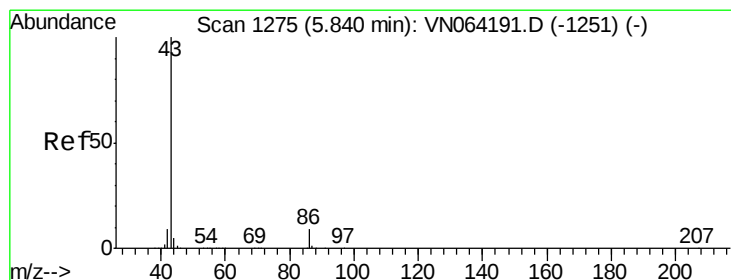
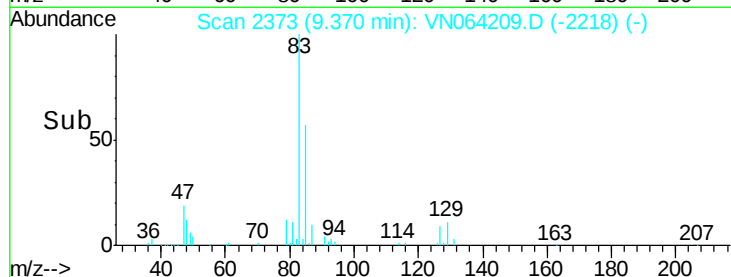
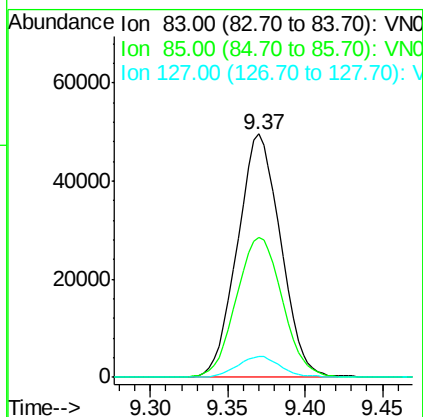
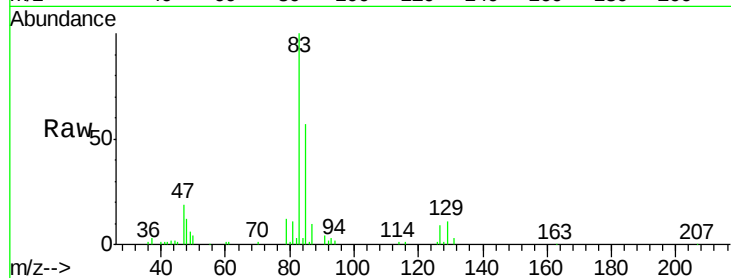
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	96554
Ion Ratio	Lower	Upper	
83	100		
85	57.3	51.5	77.3
127	8.6	6.8	10.2

Manual Integrations
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#42

Vinyl Acetate

Concen: 94.130 ug/l

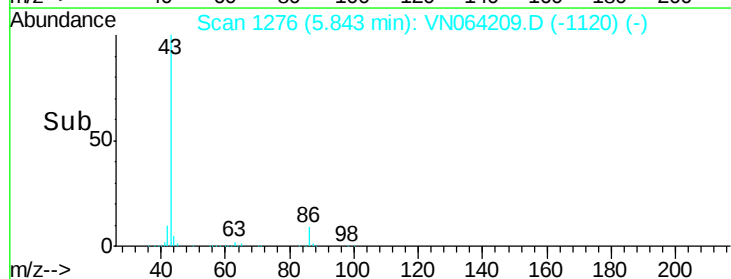
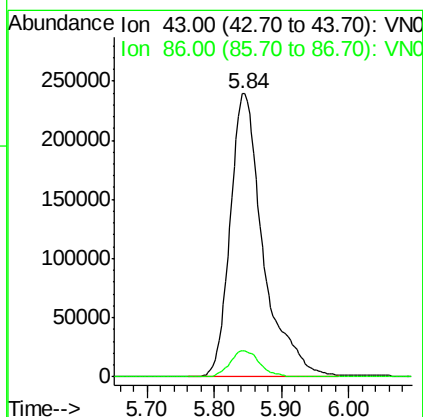
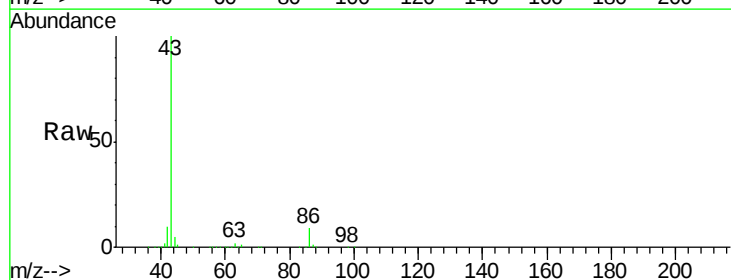
RT: 5.84 min Scan# 1276

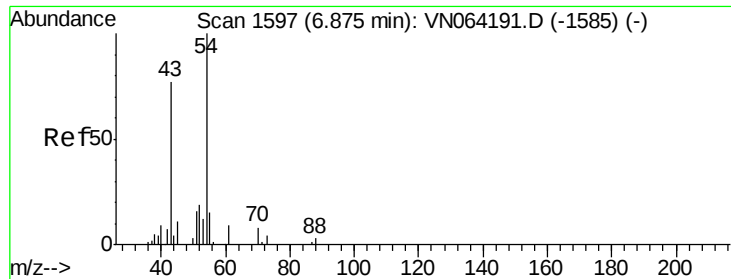
Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	43	Resp:	816323
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.7	10.1





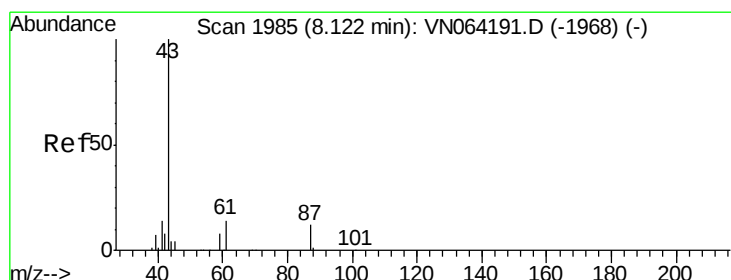
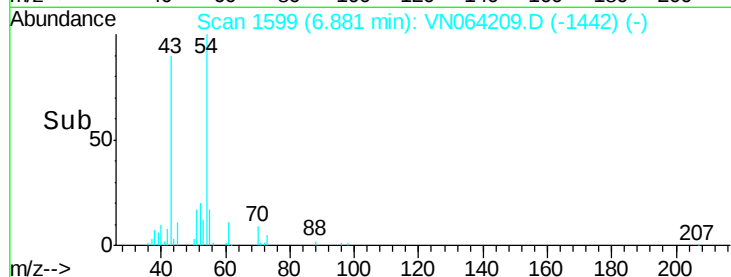
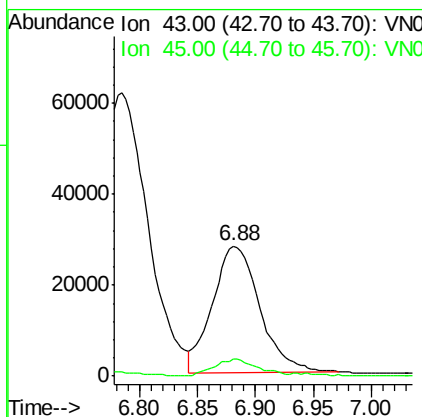
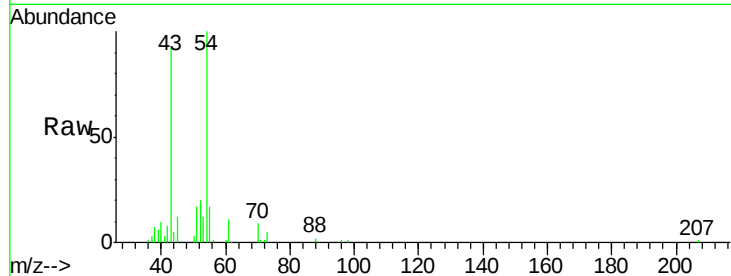
#43
Ethyl Acetate
Concen: 19.751 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	43	45	Ratio	Lower	Upper
78800	100	11.6		9.8	14.8

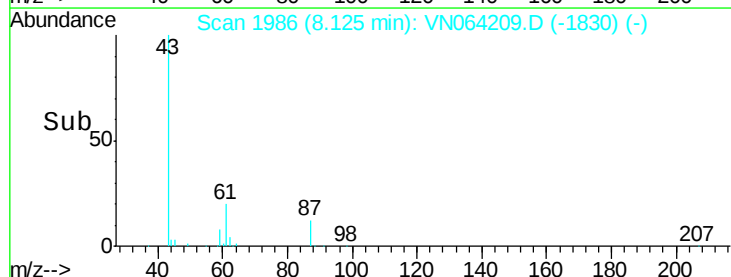
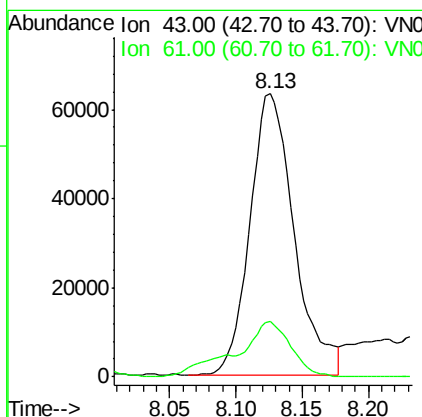
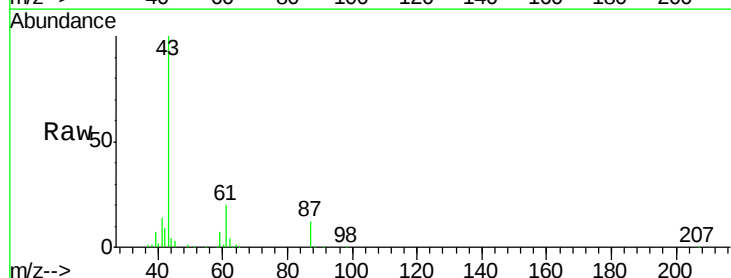
Manual Integrations
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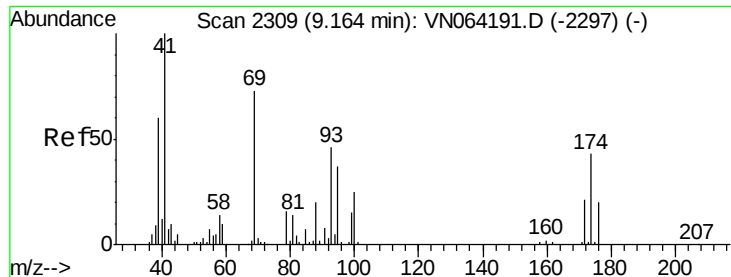
MMDadoda
10/23/2020 2:29:05 PM



#44
Isopropyl Acetate
Concen: 19.274 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	43	61	Ratio	Lower	Upper
147627	100	17.9		18.7	28.1#





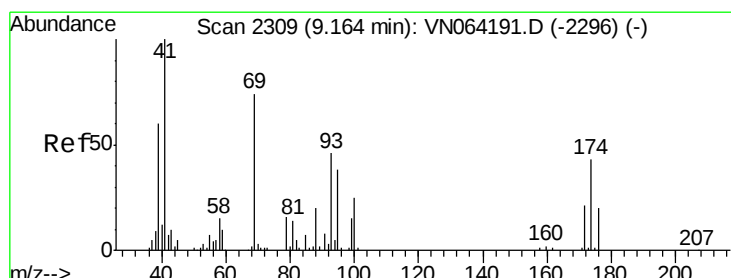
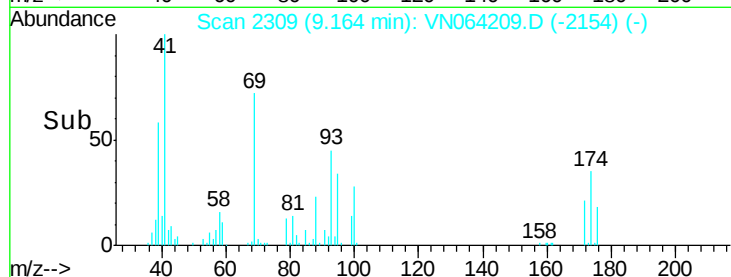
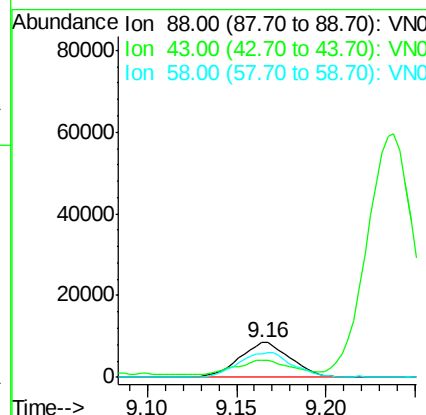
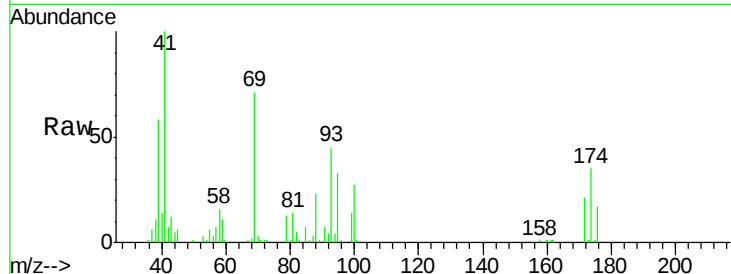
#45
1,4-Dioxane
Concen: 384.176 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.9	37.0	55.4
58	74.2	62.4	93.6

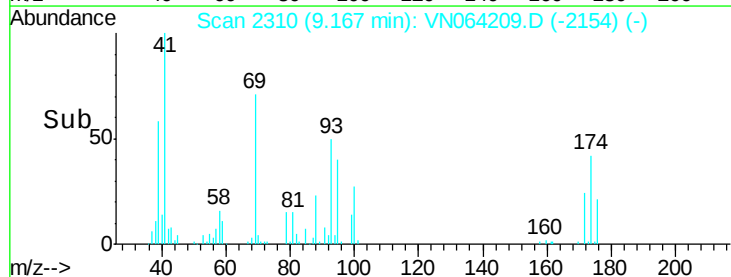
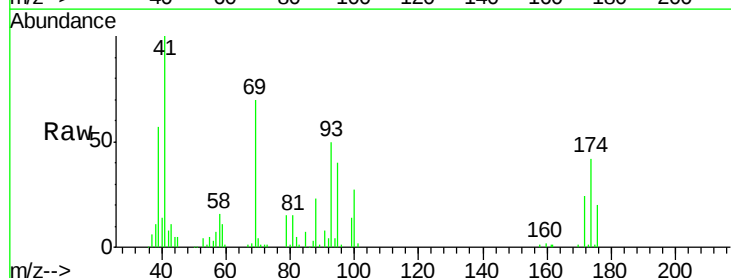
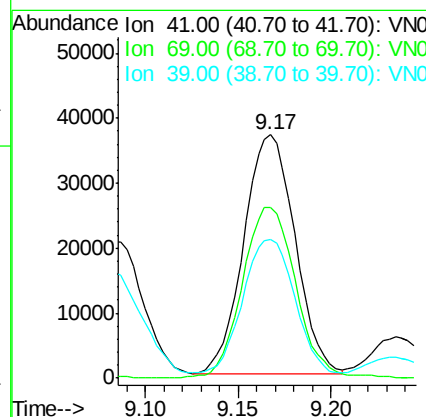
Manual Integrations
APPROVED

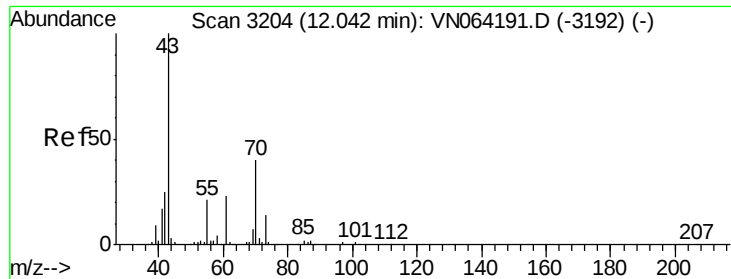
MMDadoda
10/23/2020 2:29:05 PM



#46
Methyl methacrylate
Concen: 19.533 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.5	36.8	110.4
39	55.8	30.4	91.2





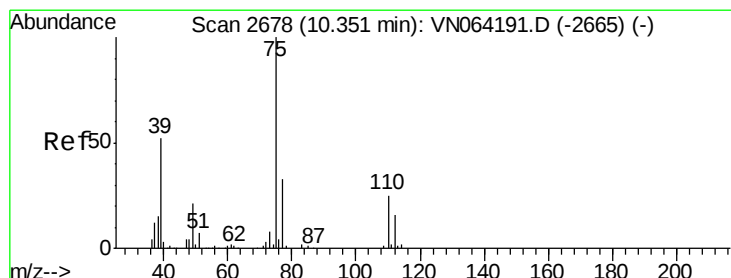
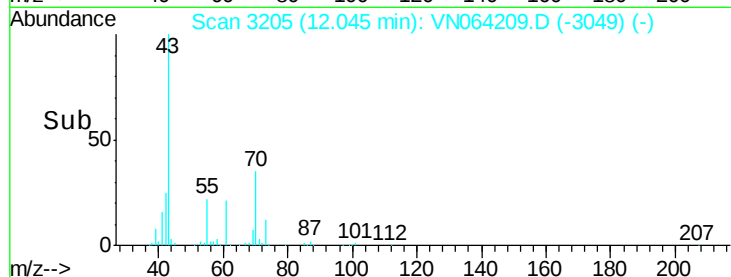
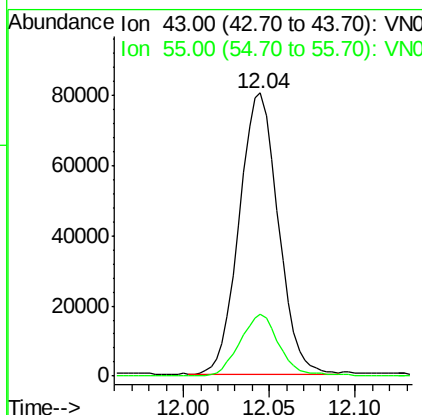
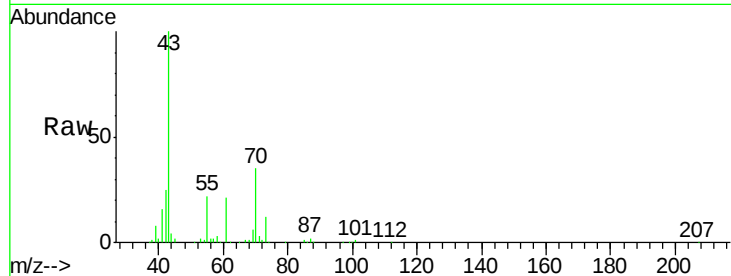
#47
n-amvl Acetate
Concen: 18.482 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 125581
Ion Ratio Lower Upper
43 100
55 22.2 17.6 26.4

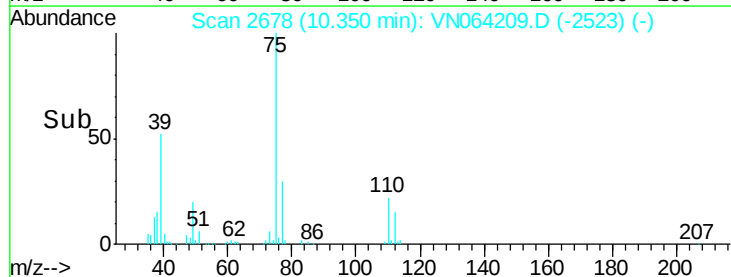
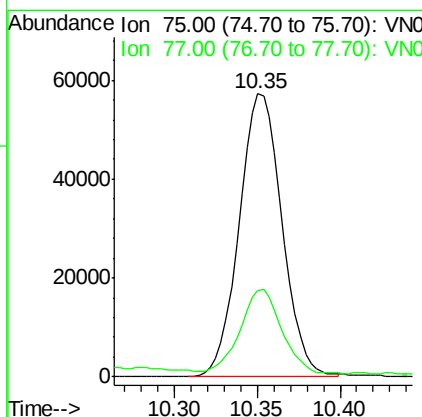
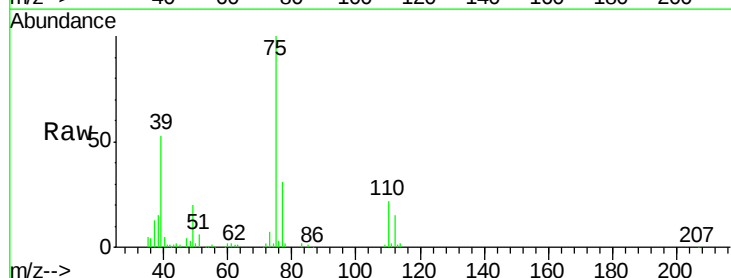
Manual Integrations
APPROVED

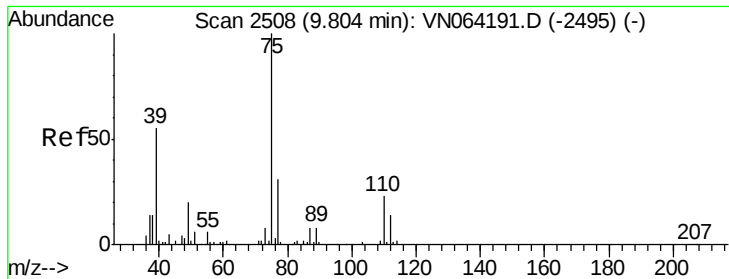
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.434 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 75 Resp: 103055
Ion Ratio Lower Upper
75 100
77 29.2 27.4 41.2





#49

cis-1,3-Dichloropropene

Concen: 17.939 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

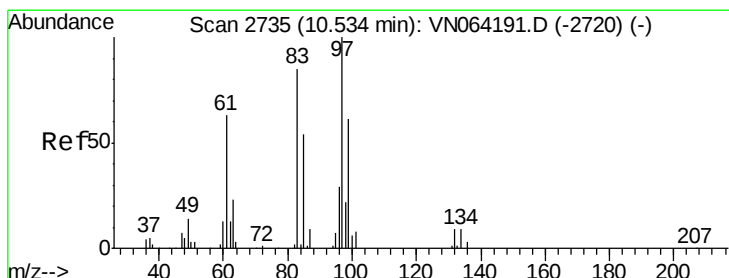
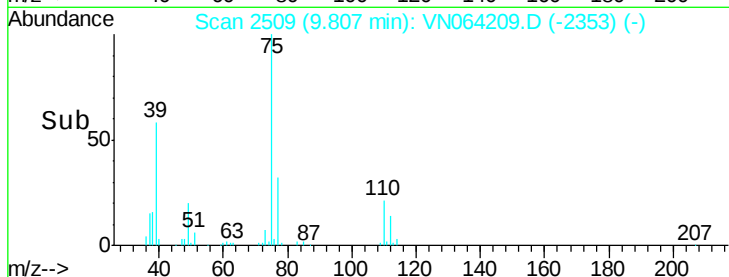
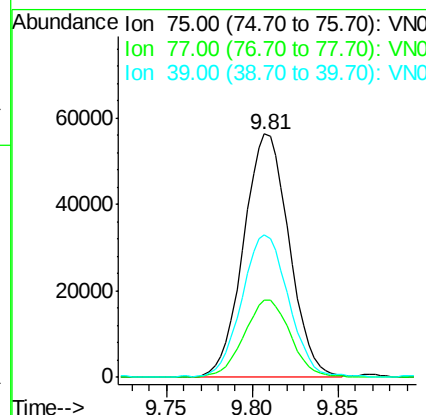
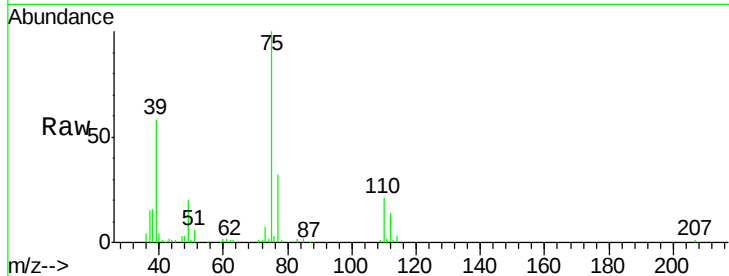
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	103620
Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.5	36.7
39	58.0	43.8	65.8

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 18.425 ug/l

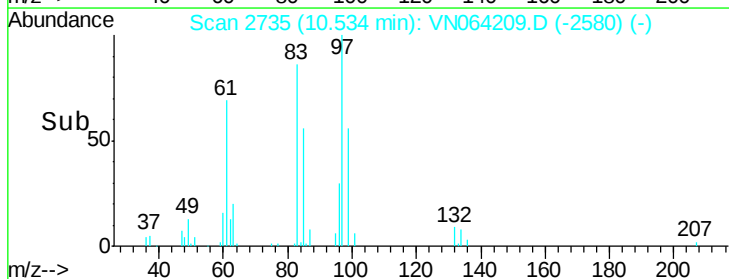
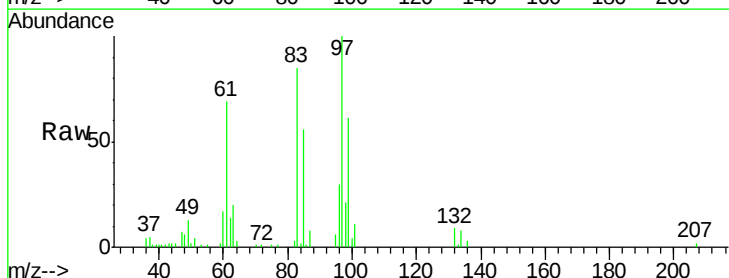
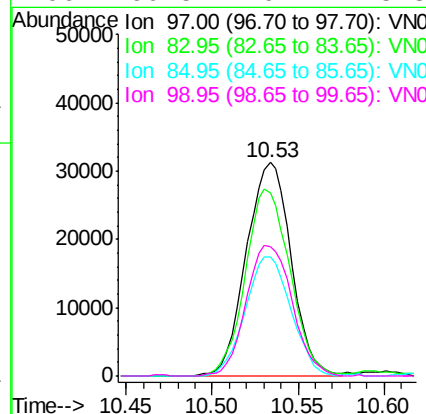
RT: 10.53 min Scan# 2735

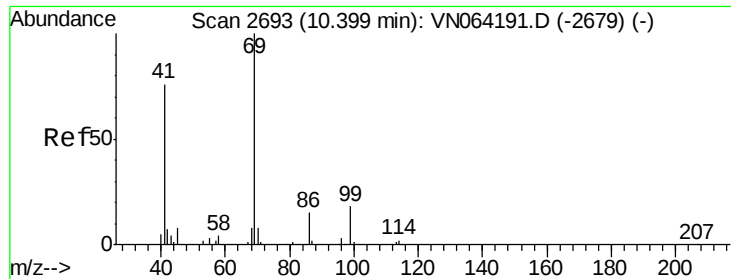
Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	97	Resp:	56537
Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.7	101.5
85	55.7	43.2	64.8
99	60.5	49.2	73.8





#51

Ethyl methacrylate

Concen: 18.203 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

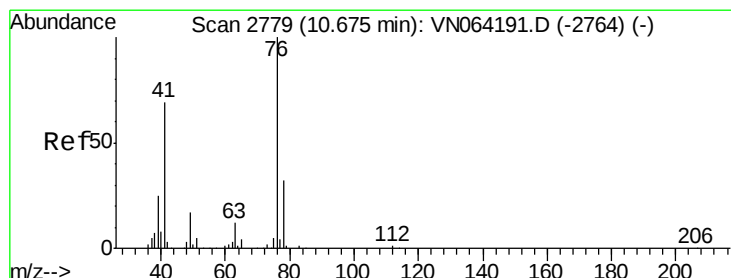
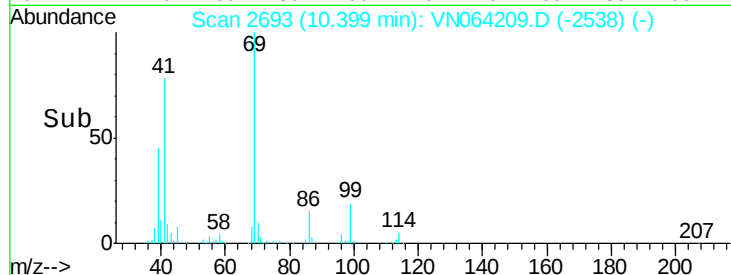
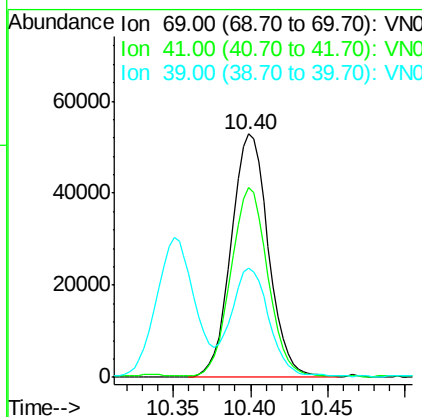
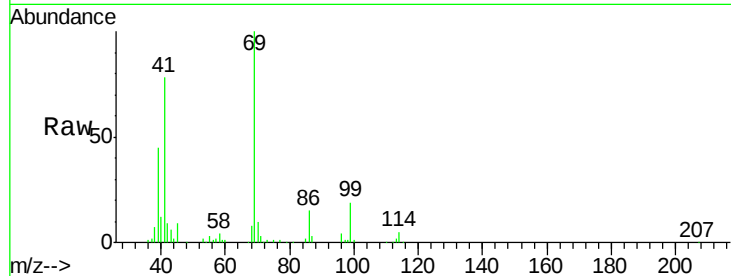
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	88326
Ion	Ratio	Lower	Upper
69	100		
41	77.5	38.0	114.1
39	44.2	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.765 ug/l

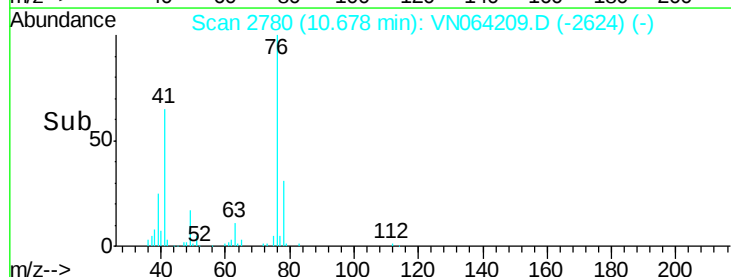
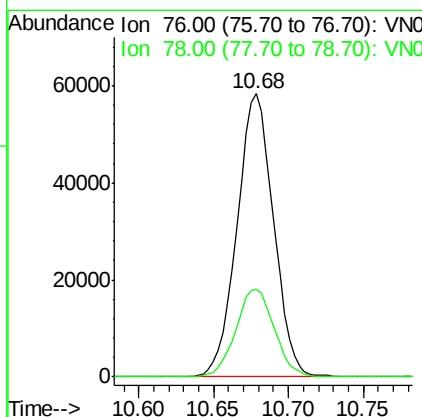
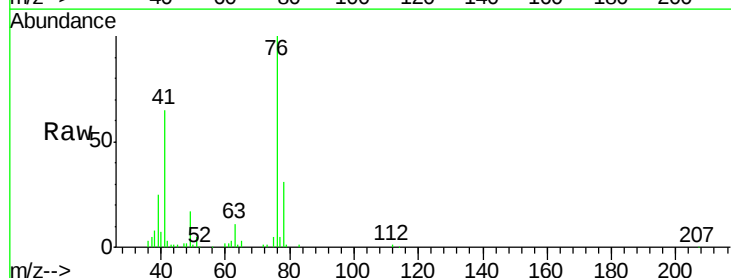
RT: 10.68 min Scan# 2780

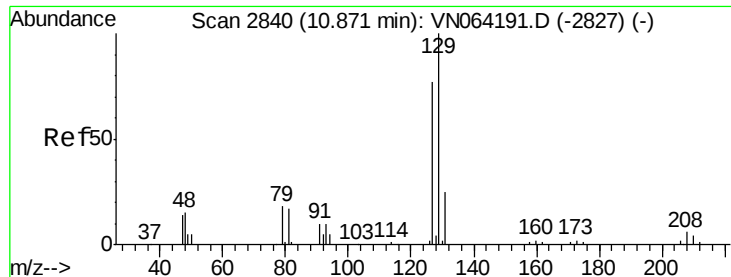
Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	76	Resp:	99275
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	64.4





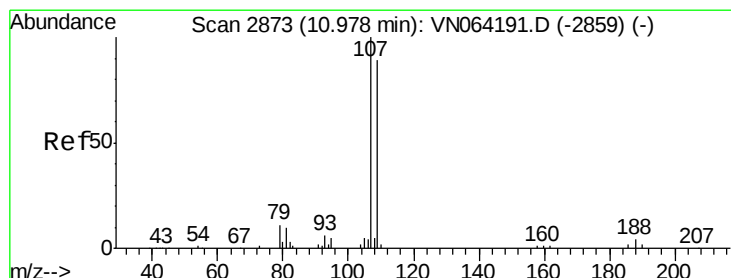
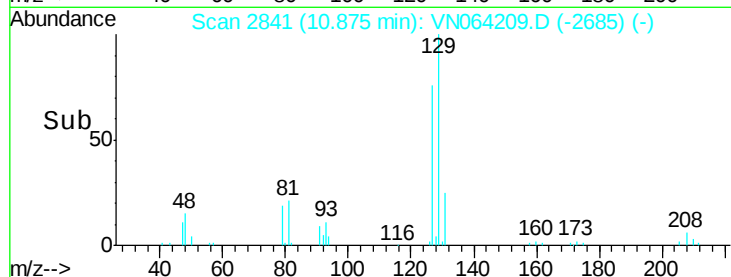
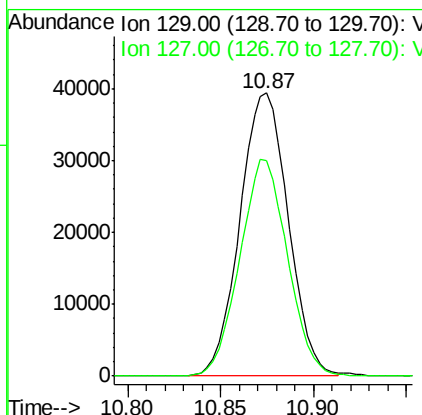
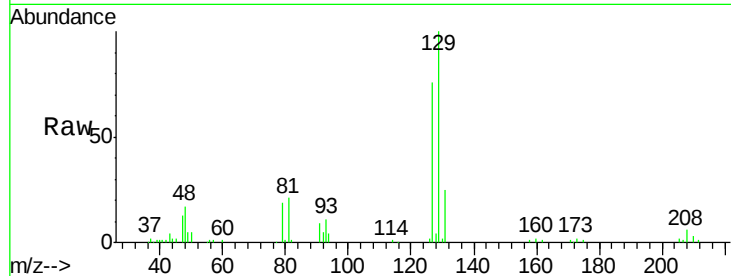
#53
 Dibromochloromethane
 Concen: 18.562 ug/l
 RT: 10.87 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 71688
 Ion Ratio Lower Upper
 129 100
 127 75.5 39.0 117.0

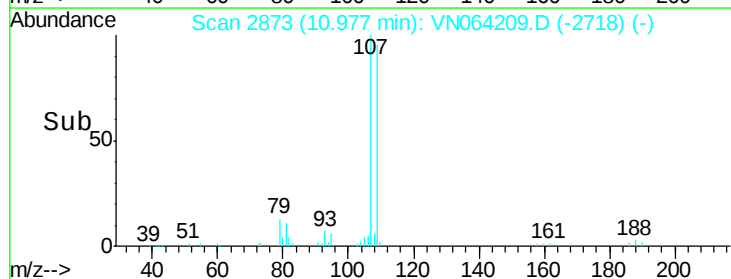
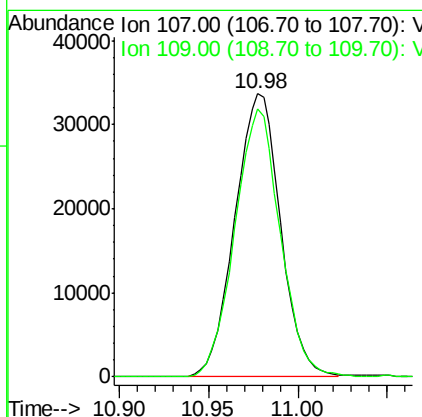
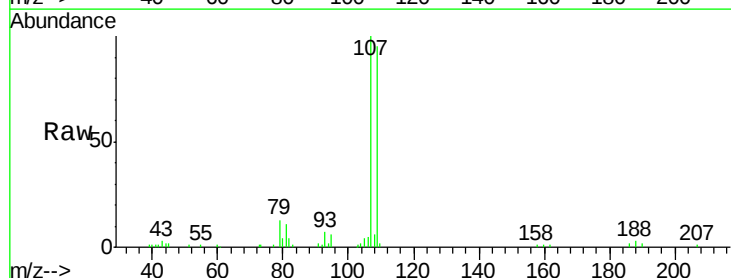
Manual Integrations
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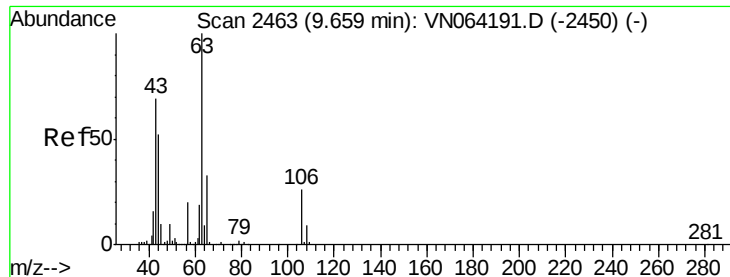
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#54
 1,2-Dibromoethane
 Concen: 18.458 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion:107 Resp: 60204
 Ion Ratio Lower Upper
 107 100
 109 94.1 71.8 107.8





#55

2-Chloroethyl vinyl ether

Concen: 98.535 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

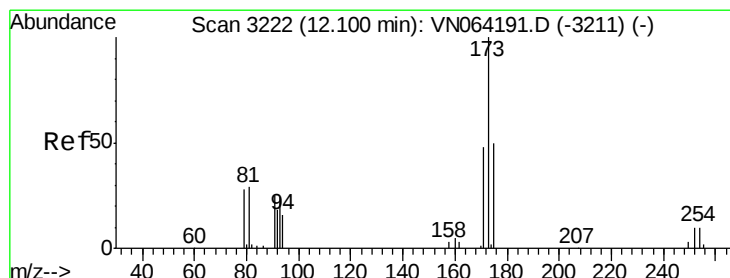
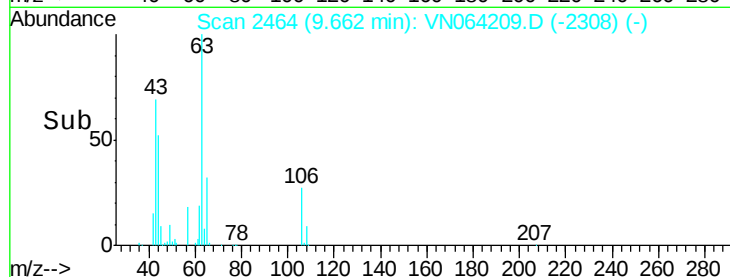
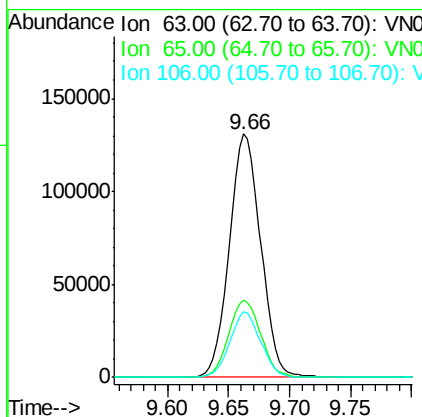
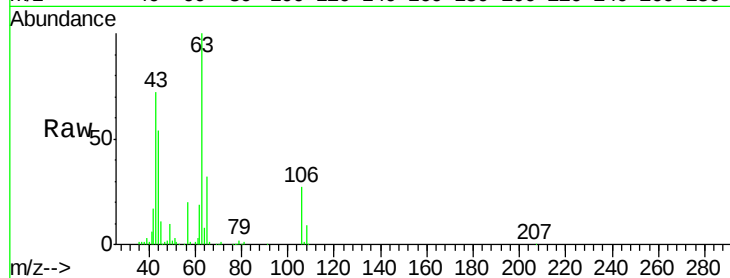
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	234984
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.9	38.9
106	26.2	21.4	32.2

Manual Integrations
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#56

Bromoform

Concen: 17.532 ug/l

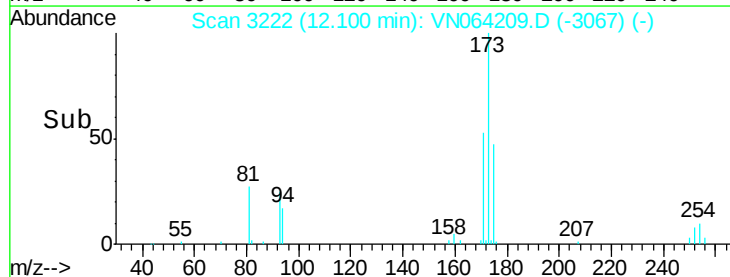
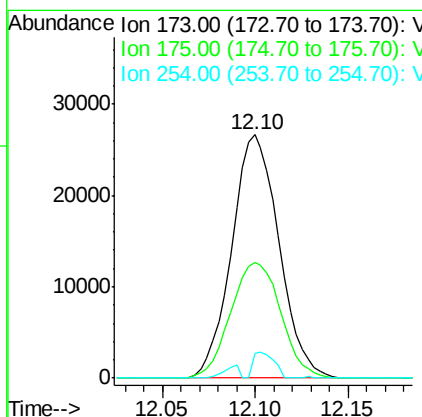
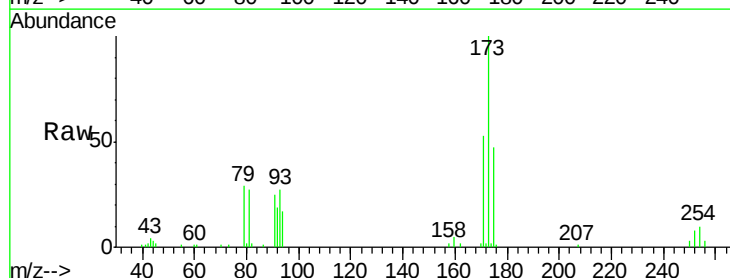
RT: 12.10 min Scan# 3222

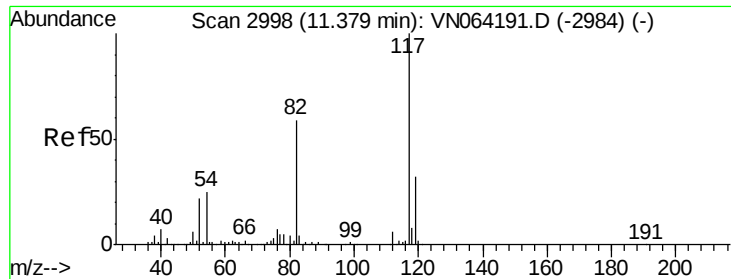
Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion:	173	Resp:	47154
Ion	Ratio	Lower	Upper
173	100		
175	50.4	39.0	58.4
254	4.7	6.8	10.2#





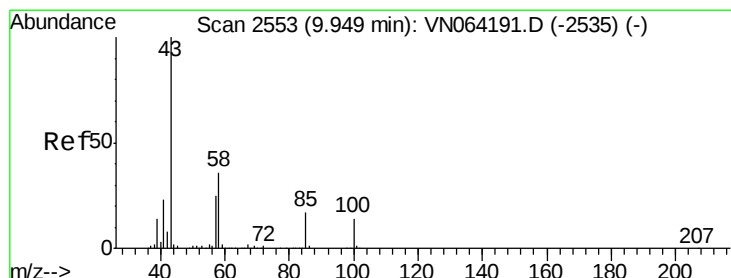
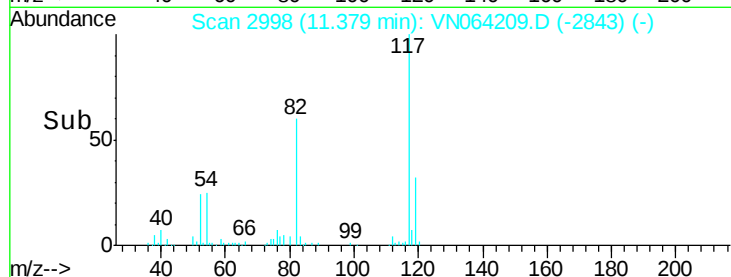
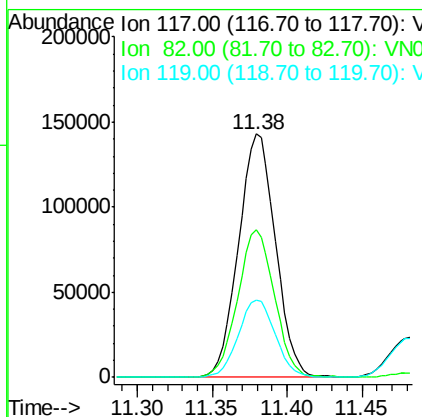
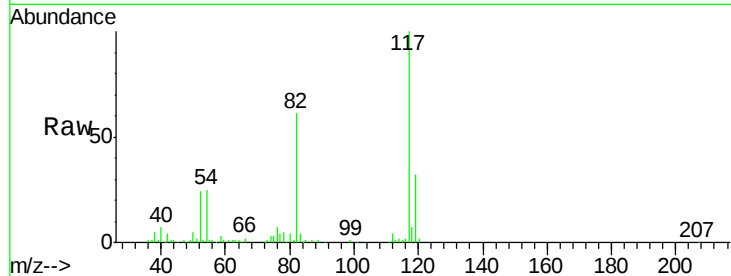
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		245944		
82	60.3	47.8	71.8		
119	31.8	25.7	38.5		

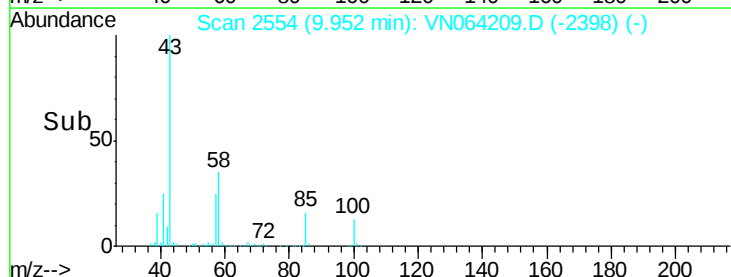
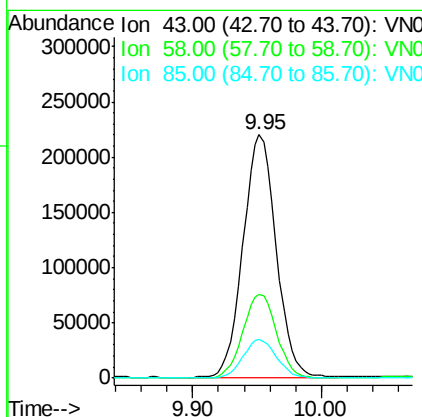
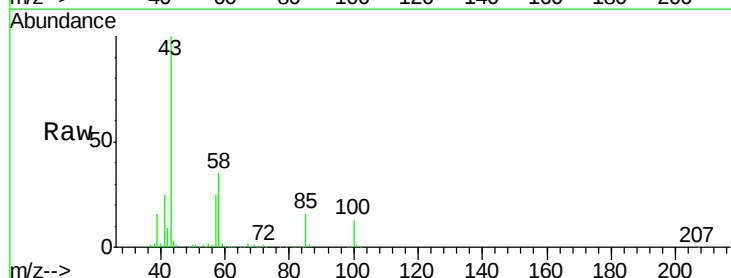
Manual Integrations
APPROVED

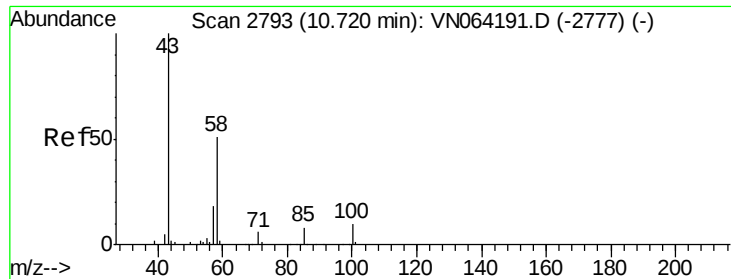
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 93.804 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		390943		
58	35.5	29.5	44.3		
85	16.1	13.7	20.5		





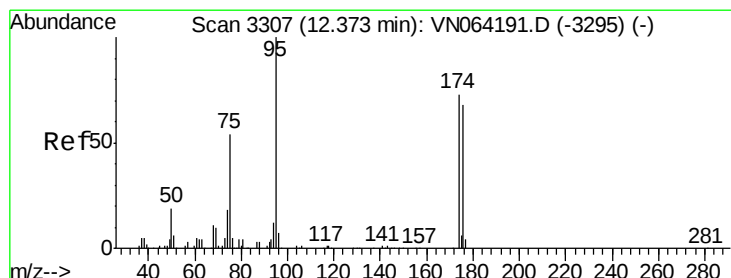
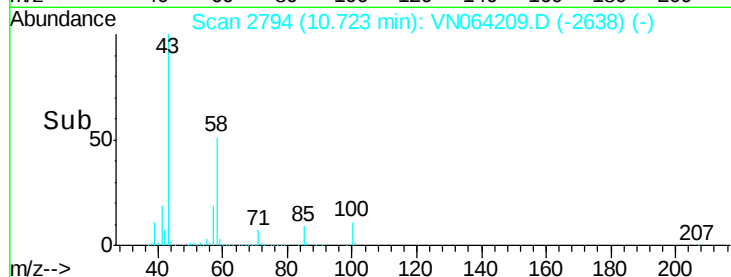
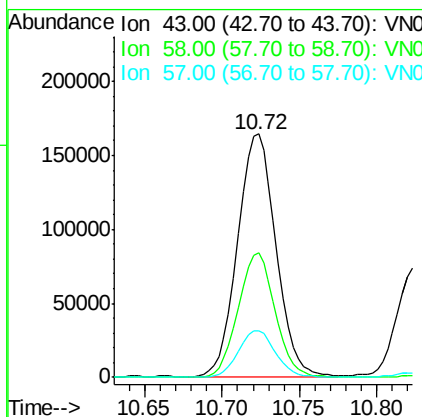
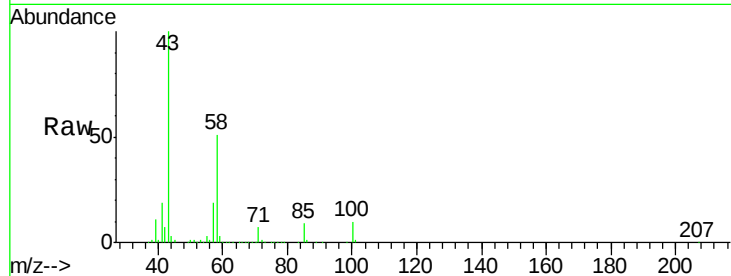
#59
2-Hexanone
Concen: 91.193 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	40.2	60.4
57	18.9	14.8	22.2

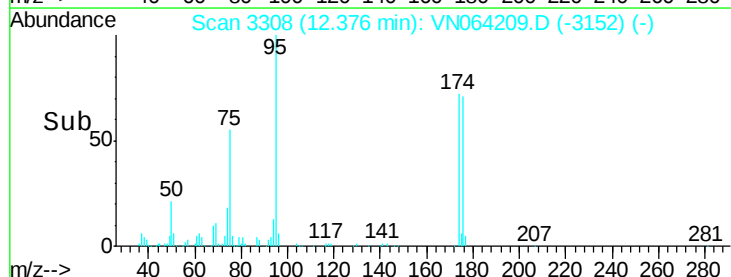
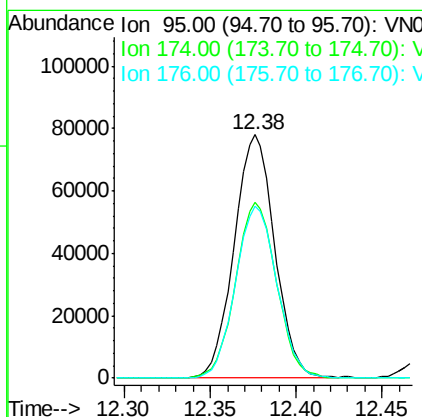
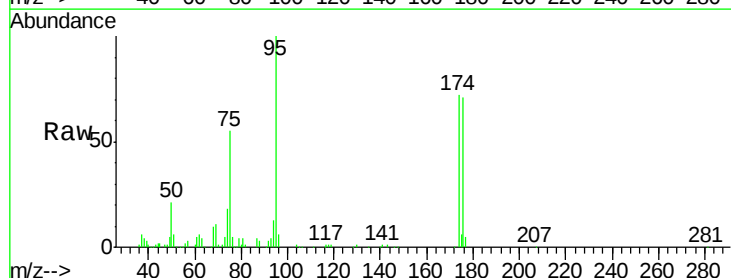
Manual Integrations
APPROVED

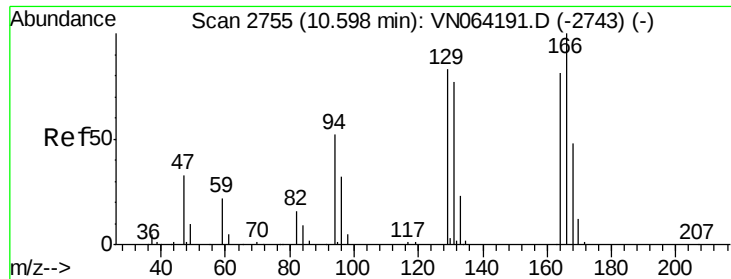
MMDadoda
10/23/2020 2:29:05 PM



#60
4-Bromofluorobenzene
Concen: 29.129 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	57.6	86.4
176	72.1	54.9	82.3





#61

Tetrachloroethene

Concen: 18.420 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 61073

Ion Ratio Lower Upper

164 100

166 126.3 99.2 148.8

129 99.8 82.8 124.2

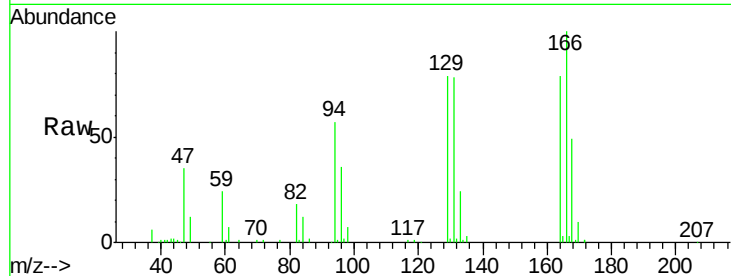
131 98.2 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

10/23/2020 2:29:05 PM

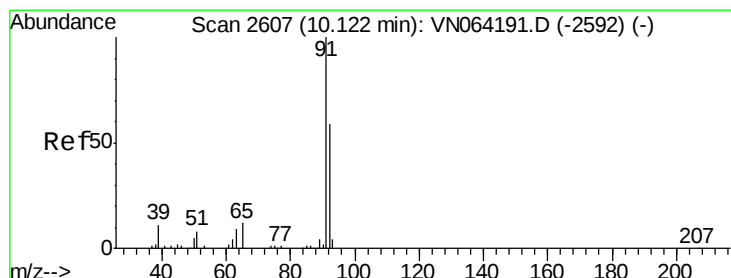
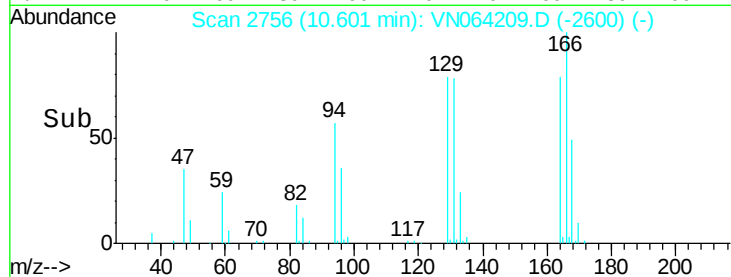
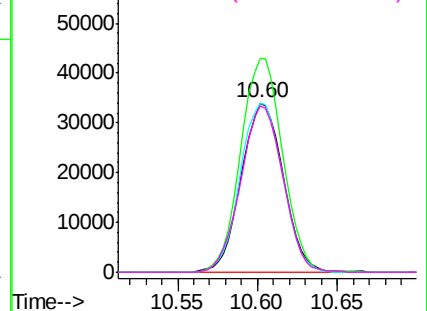


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 17.900 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064209.D

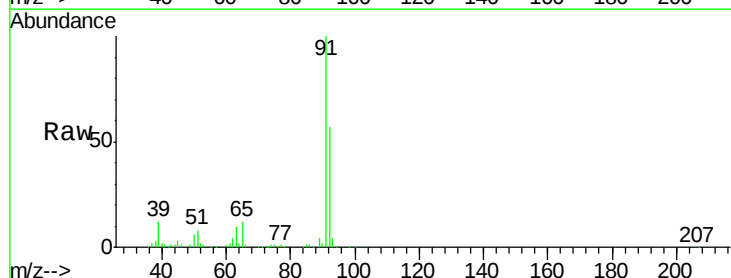
Acq: 20 Oct 2020 20:39

Tgt Ion: 91 Resp: 251676

Ion Ratio Lower Upper

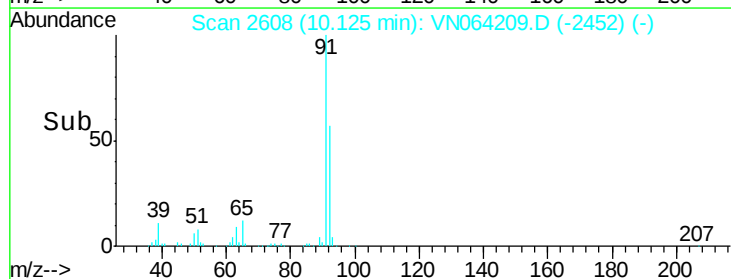
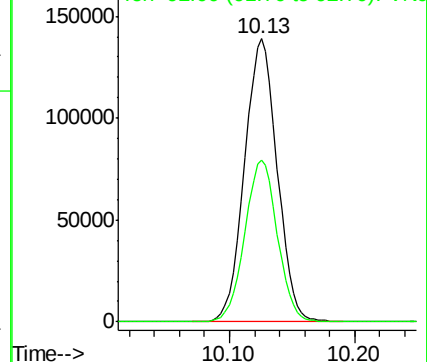
91 100

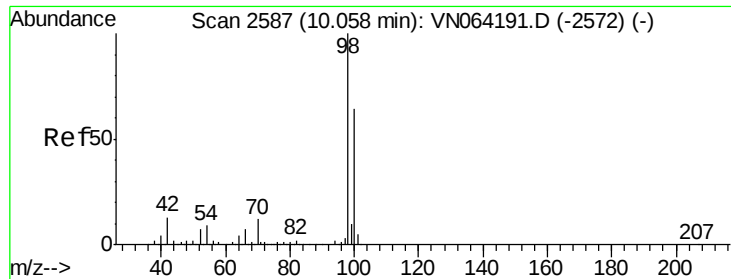
92 57.0 46.8 70.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





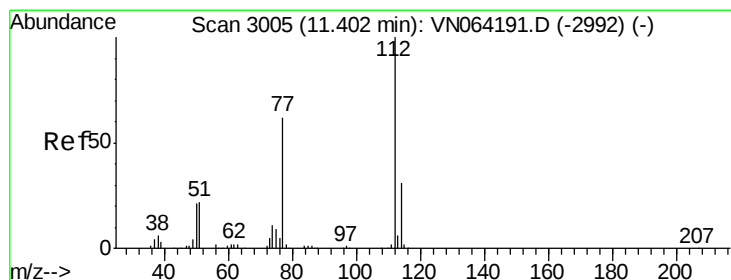
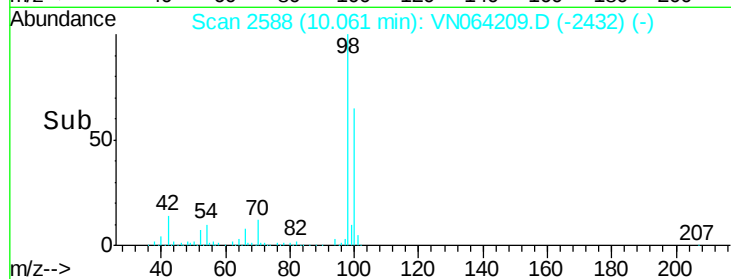
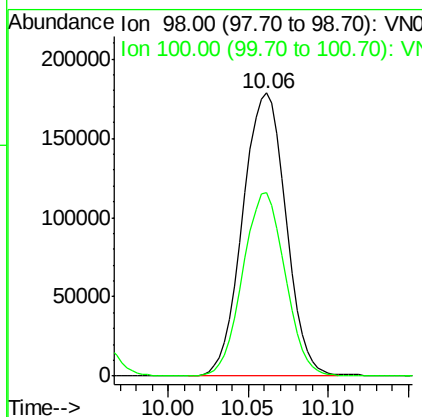
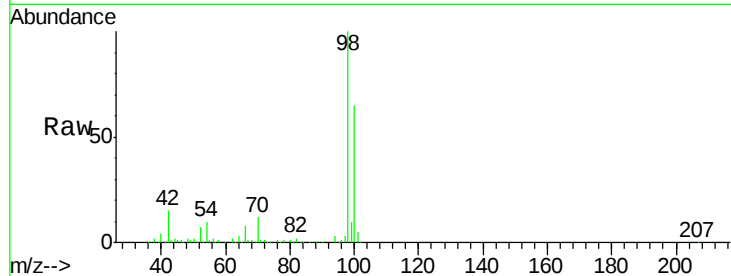
#63
Toluene-d8
Concen: 29.656 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 330207
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2

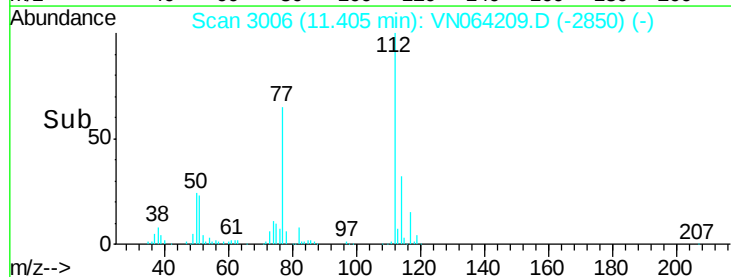
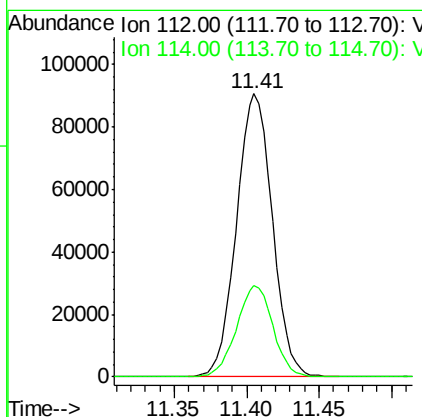
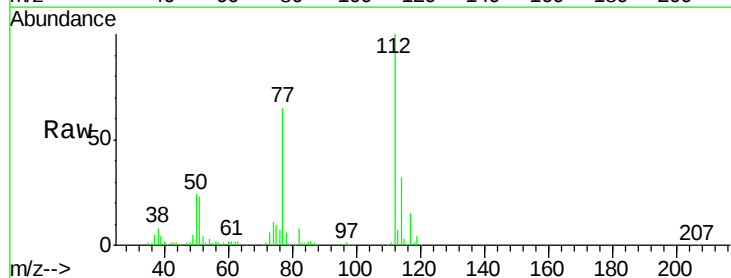
Manual Integrations
APPROVED

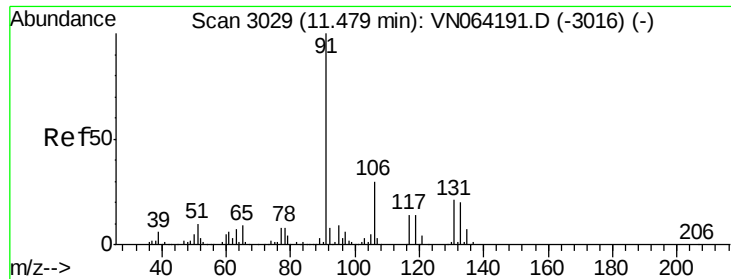
MMDadoda
10/23/2020 2:29:05 PM



#64
Chlorobenzene
Concen: 17.800 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion: 112 Resp: 155860
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 18.515 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

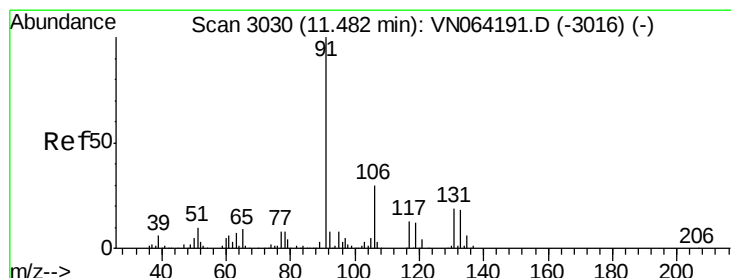
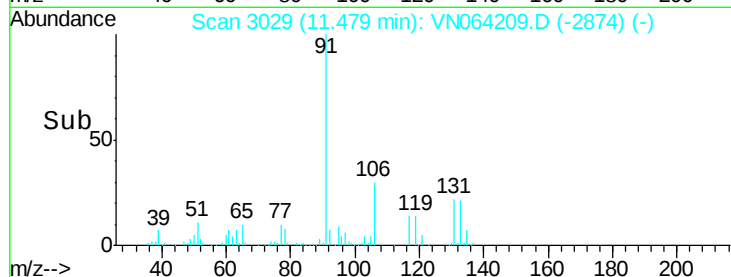
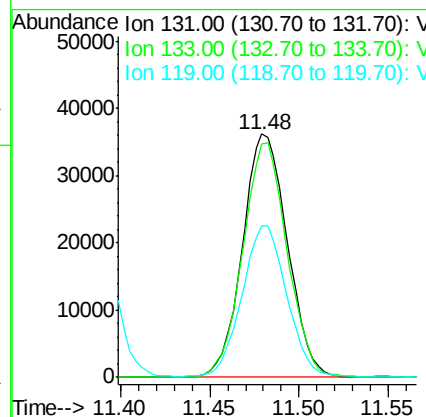
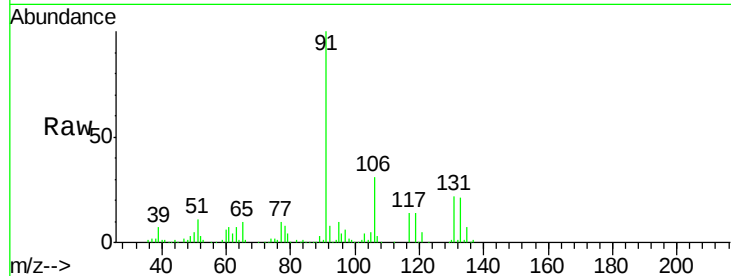
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	63517		
133	95.2	0.0	193.0	
119	62.6	0.0	132.2	

Manual Integrations
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10/23/2020 2:29:05 PM



#66

Ethyl Benzene

Concen: 17.900 ug/l

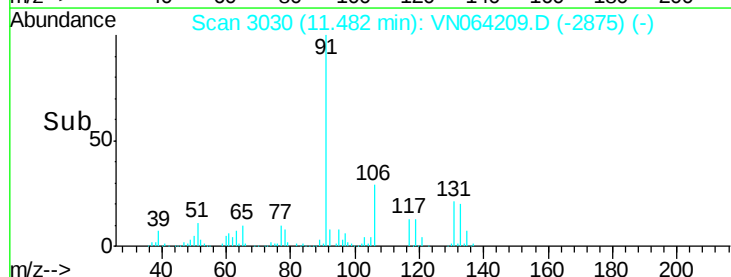
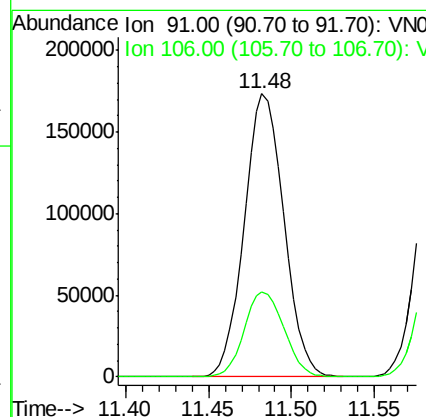
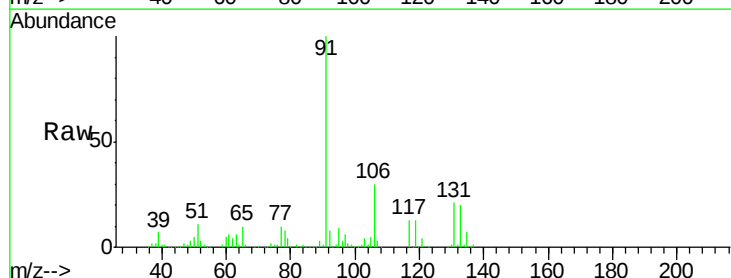
RT: 11.48 min Scan# 3030

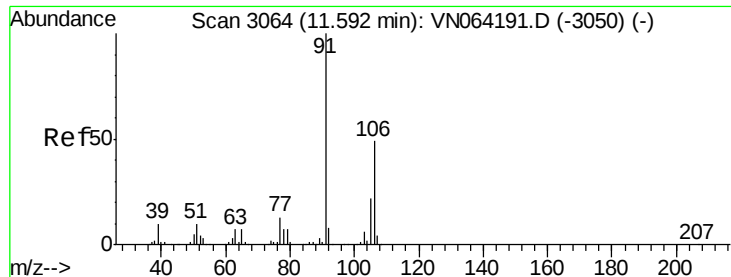
Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	289350		
106	30.1	23.9	35.9	





#67

m/p-Xylenes

Concen: 35.543 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 213680

Ion Ratio Lower Upper

106 100

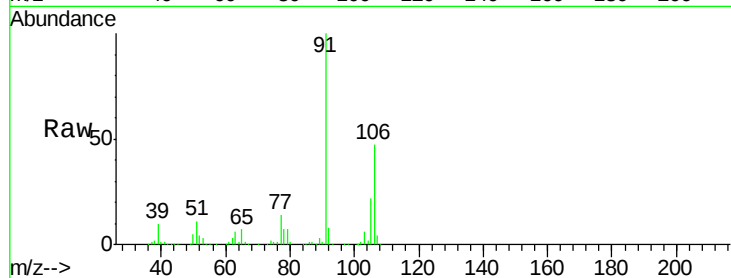
91 209.7 167.9 251.9

Manual Integrations

APPROVED

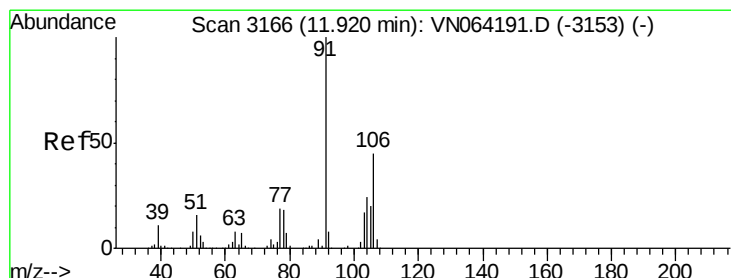
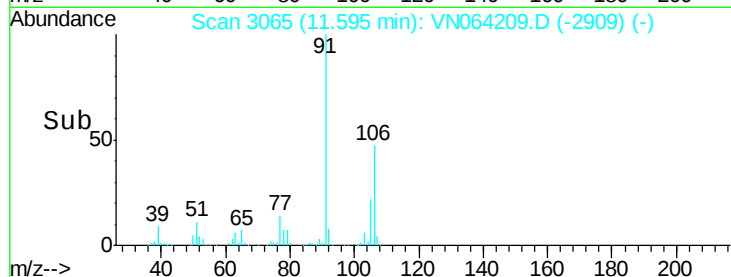
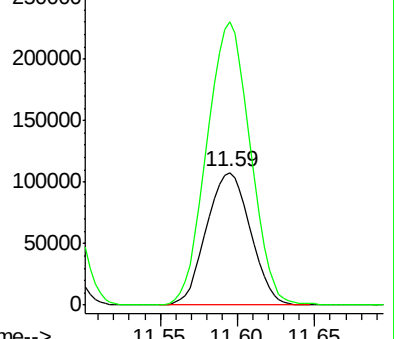
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 17.907 ug/l

RT: 11.92 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN064209.D

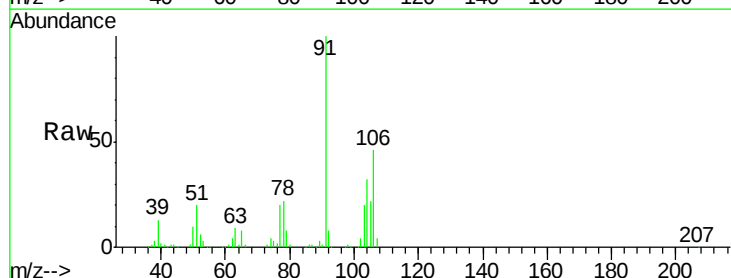
Acq: 20 Oct 2020 20:39

Tgt Ion:106 Resp: 104466

Ion Ratio Lower Upper

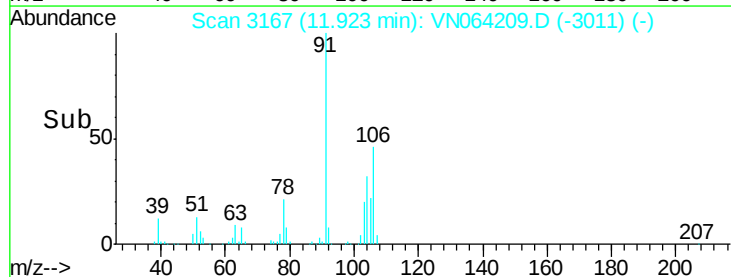
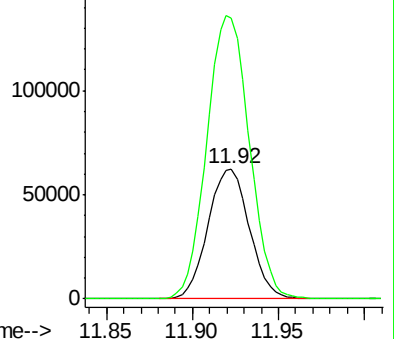
106 100

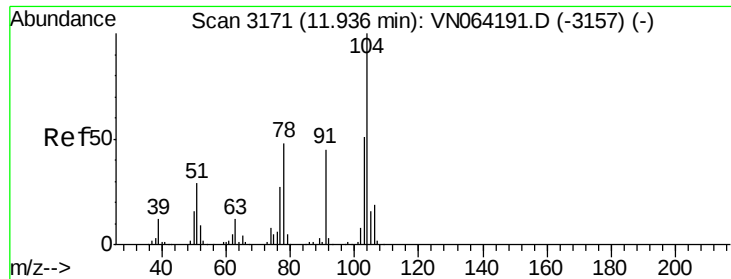
91 223.3 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





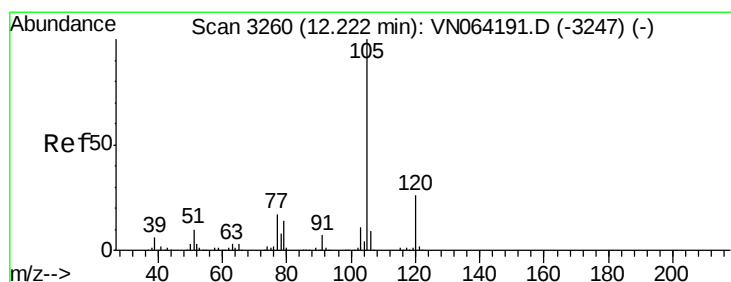
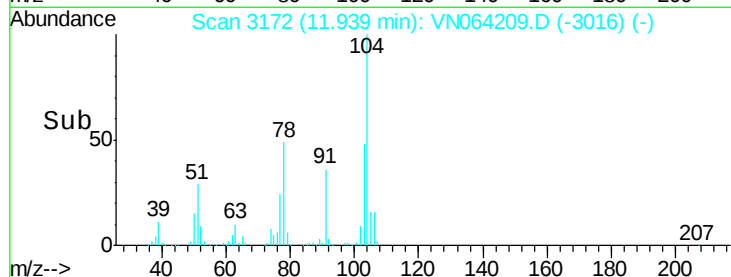
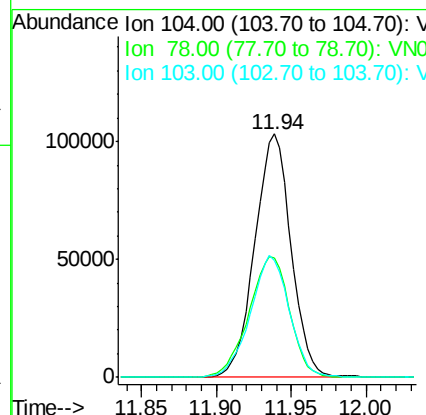
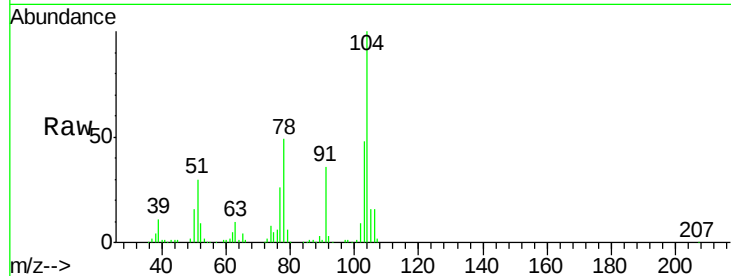
#69
Stvrene
Concen: 17.651 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	174220		
78	55.7		43.6	65.4
103	53.9		44.8	67.2

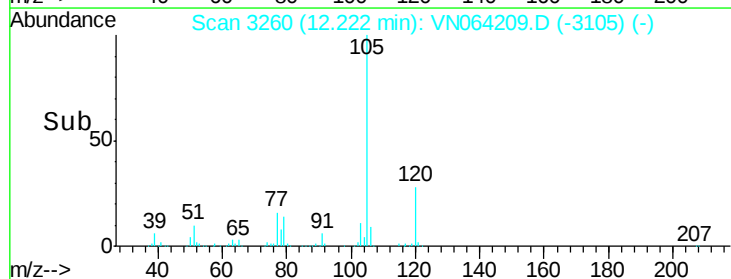
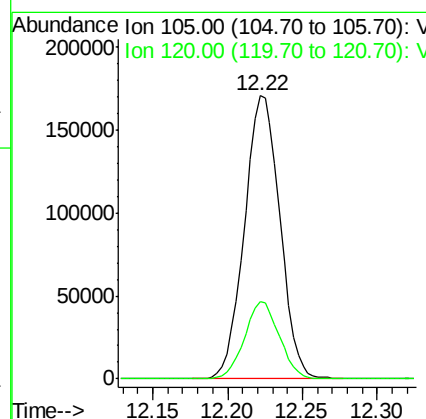
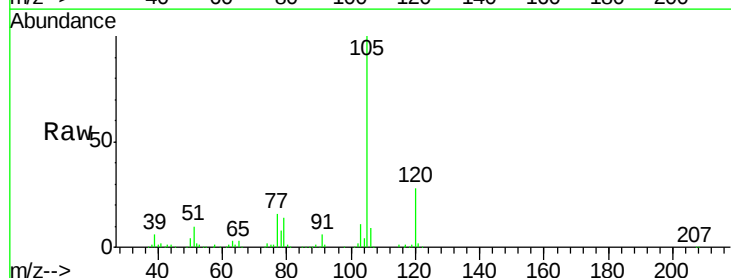
Manual Integrations
APPROVED

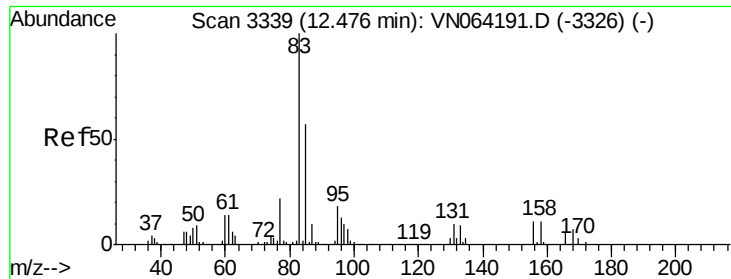
MMDadoda
10/23/2020 2:29:05 PM



#70
Isopropylbenzene
Concen: 18.309 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	282103		
120	26.6		18.1	33.7





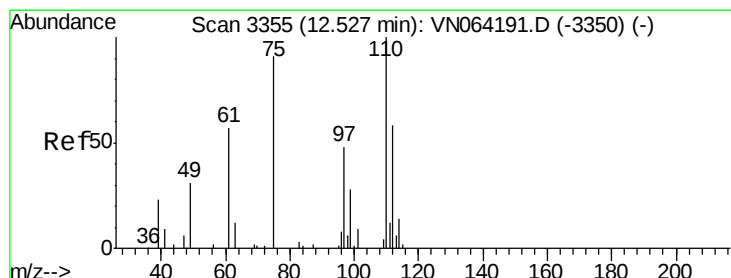
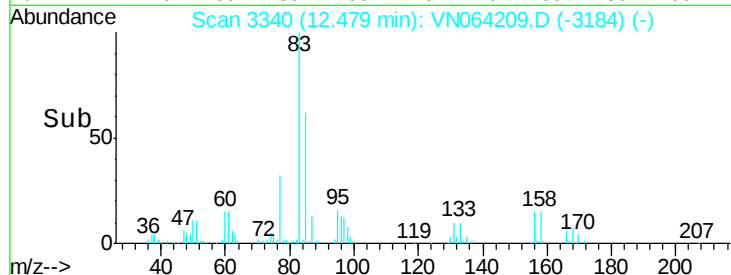
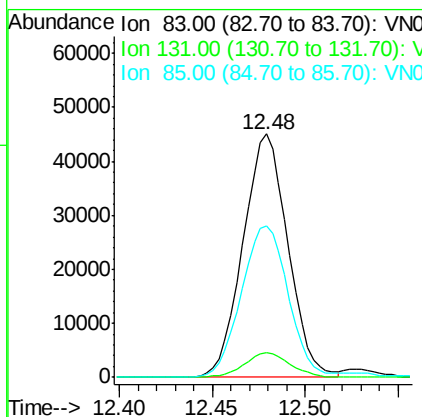
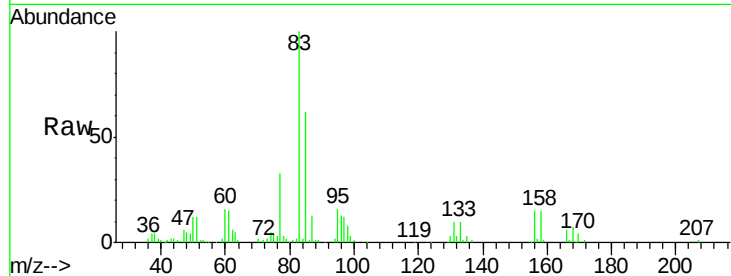
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.029 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.5	16.4
85	64.9	30.8	92.4

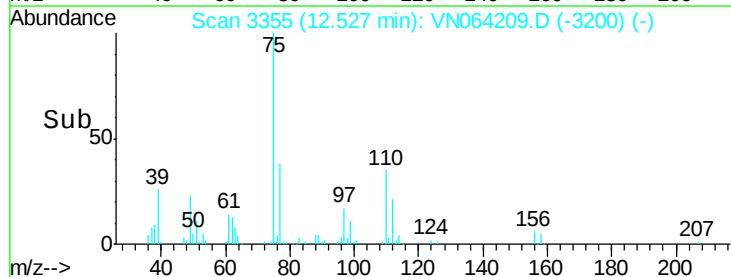
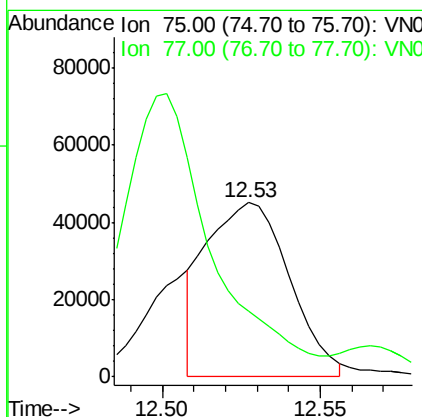
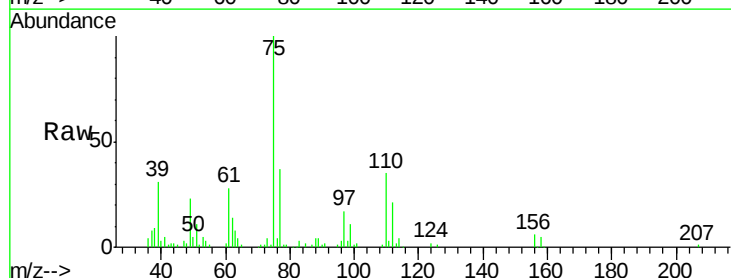
Manual Integrations
 APPROVED

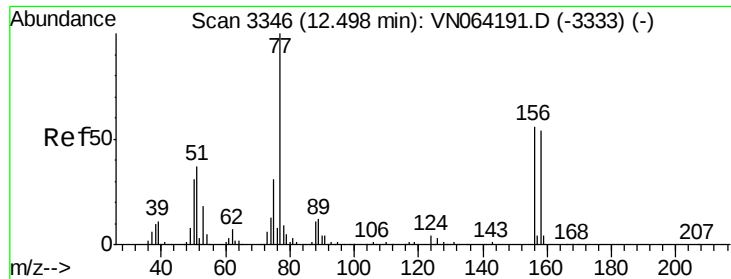
MMDadoda
 10/23/2020 2:29:05 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.704 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	177.5	0.0	417.6





#73

Bromobenzene

Concen: 18.008 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

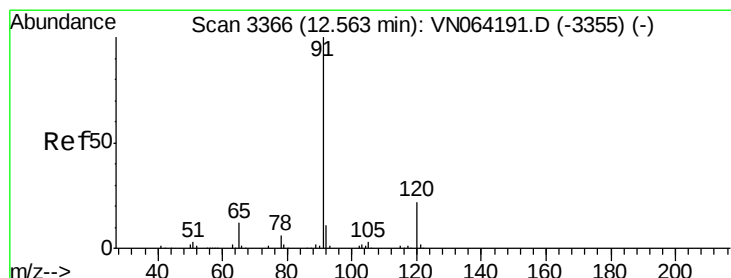
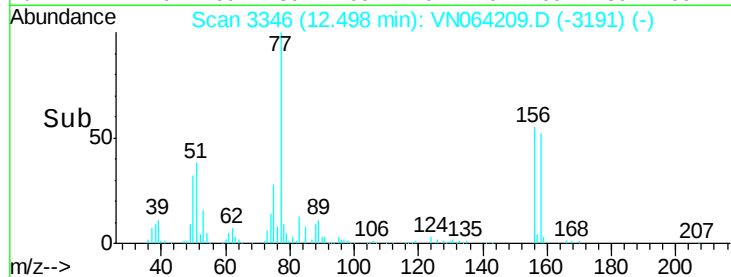
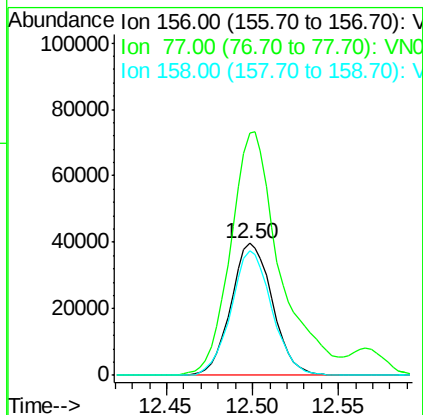
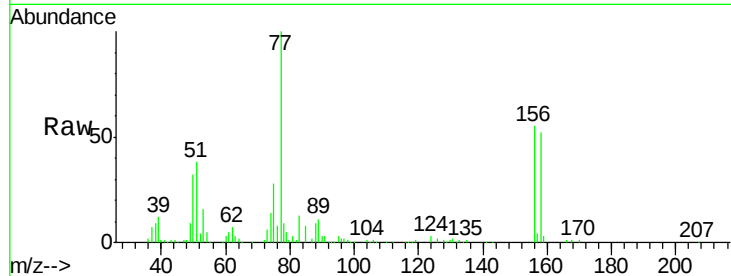
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		66908		
77	218.7	0.0	429.8		
158	92.8	0.0	190.6		

Manual Integrations
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10/23/2020 2:29:05 PM



#74

n-propylbenzene

Concen: 17.526 ug/l

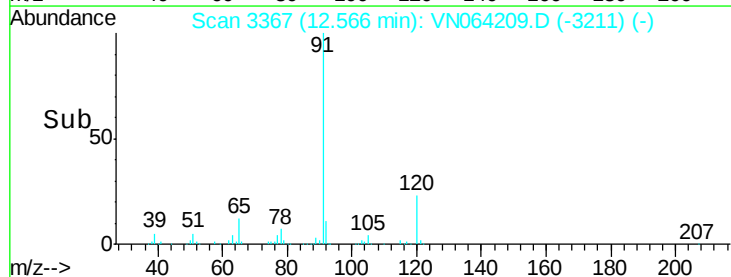
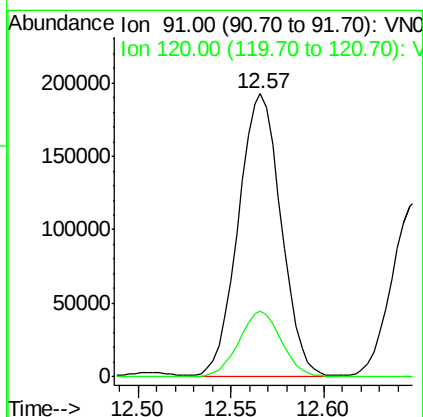
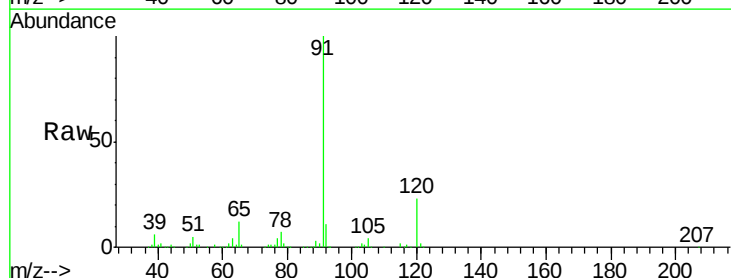
RT: 12.57 min Scan# 3367

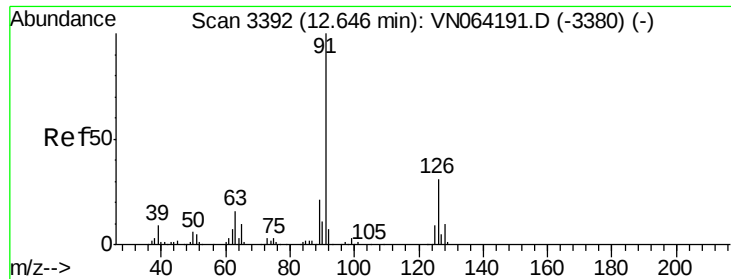
Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		308203		
120	23.0	0.0	43.8		





#75

2-Chlorotoluene

Concen: 18.050 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064209.D

Acq: 20 Oct 2020 20:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 196486

Ion Ratio Lower Upper

91 100

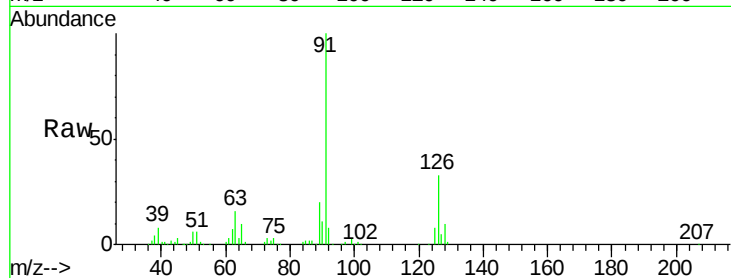
126 32.0 0.0 62.4

Manual Integrations

APPROVED

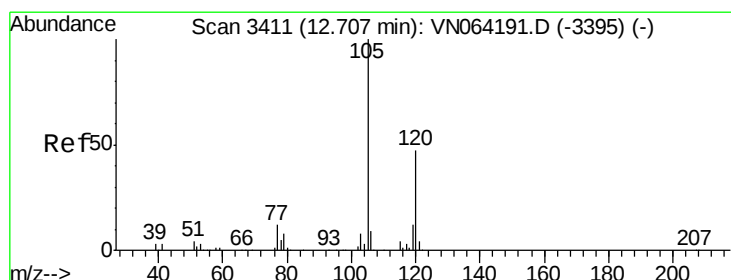
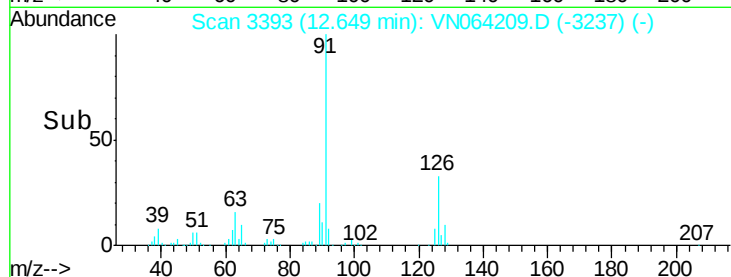
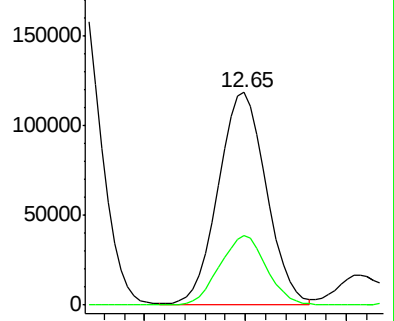
MMDadoda

10/23/2020 2:29:05 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064209.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN064209.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 17.632 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064209.D

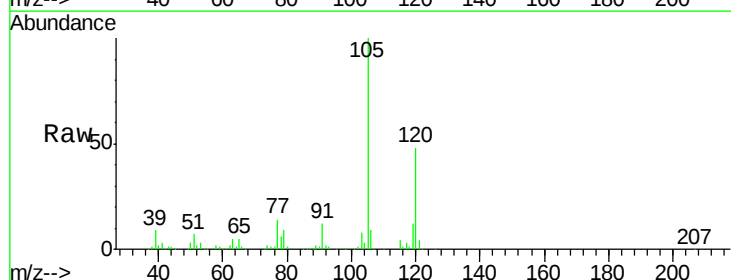
Acq: 20 Oct 2020 20:39

Tgt Ion: 105 Resp: 231174

Ion Ratio Lower Upper

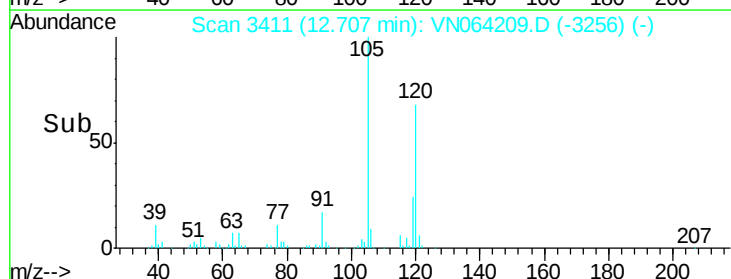
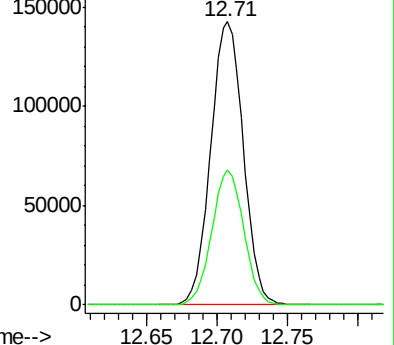
105 100

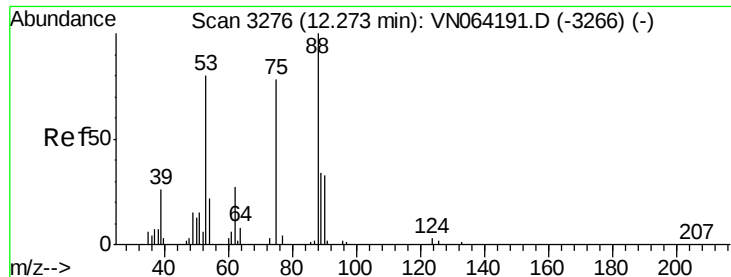
120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064209.D (-3256) (-)

Ion 120.00 (119.70 to 120.70): VN064209.D (-3256) (-)





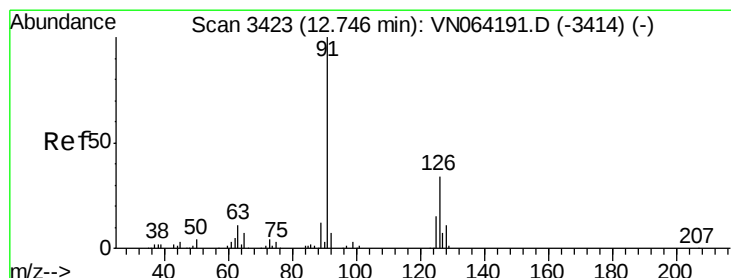
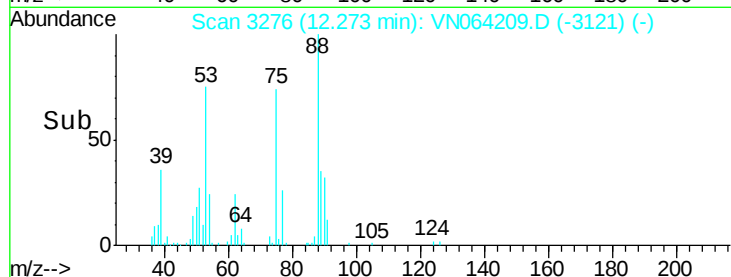
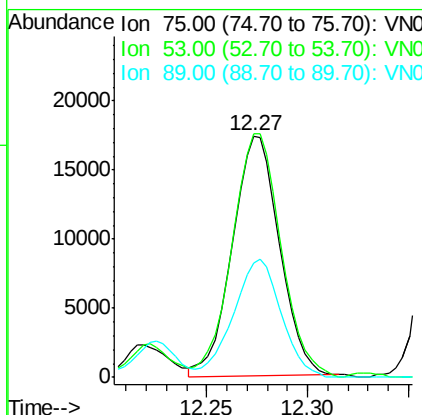
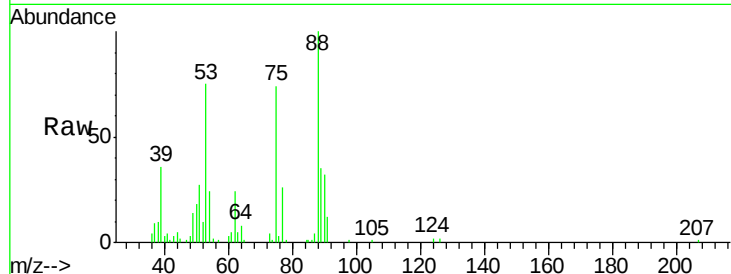
#77
t-1,4-Dichloro-2-butene
Concen: 16.493 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	51.4	154.2
89	48.1	23.8	71.5

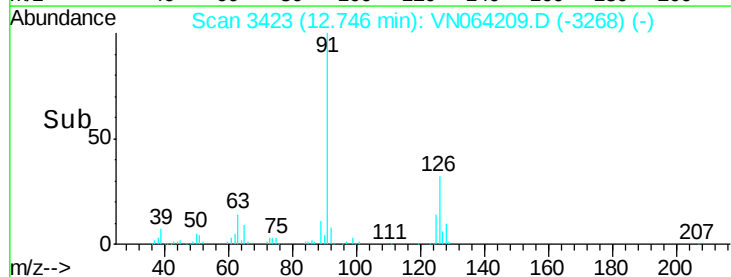
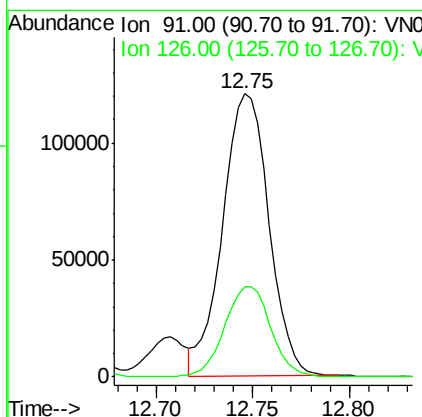
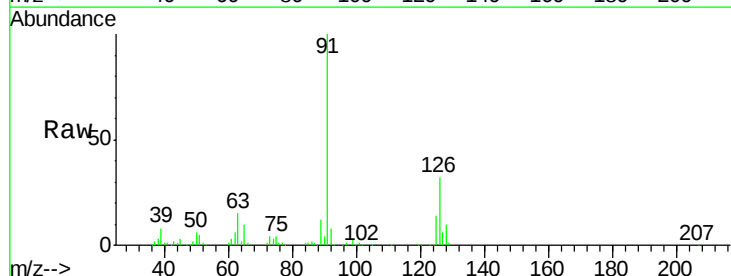
Manual Integrations
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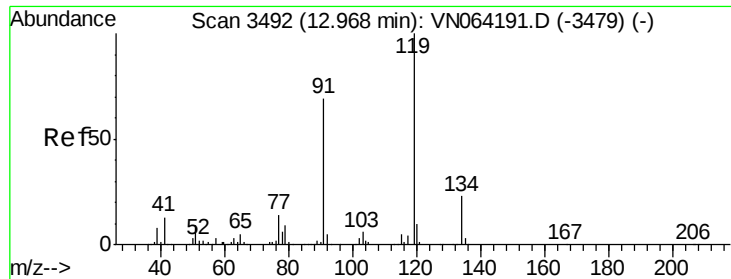
MMDadoda
10/23/2020 2:29:05 PM



#78
4-Chlorotoluene
Concen: 17.580 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	0.0	63.2





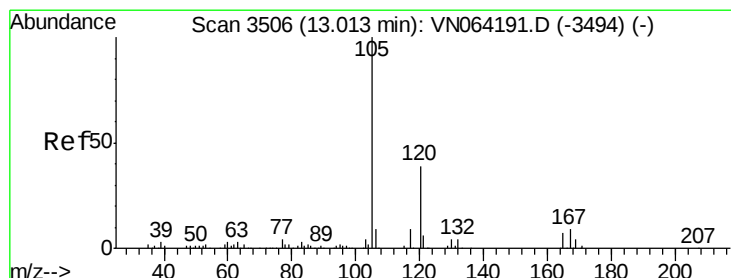
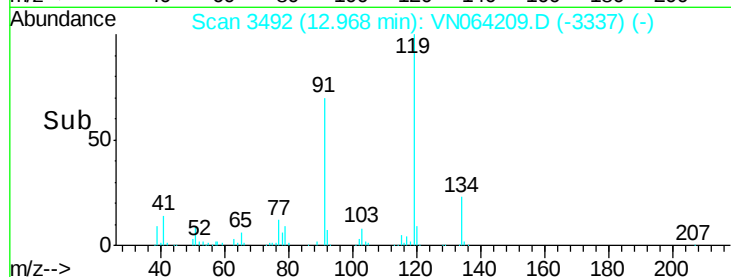
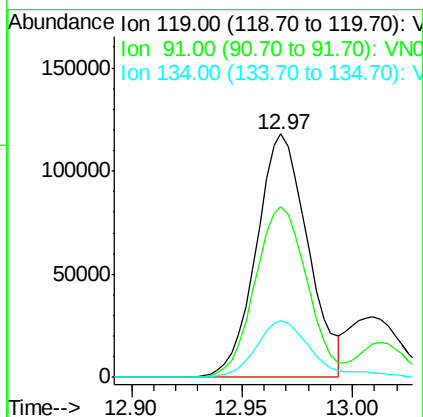
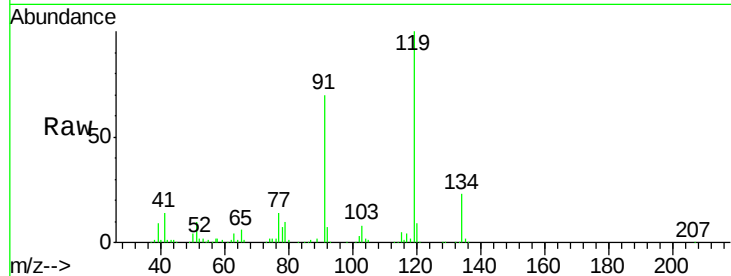
#79
tert-butylbenzene
Concen: 17.881 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	191663		
91	71.2	0.0	143.2	
134	24.2	0.0	49.2	

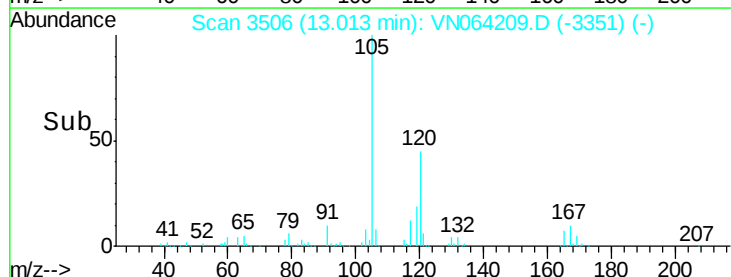
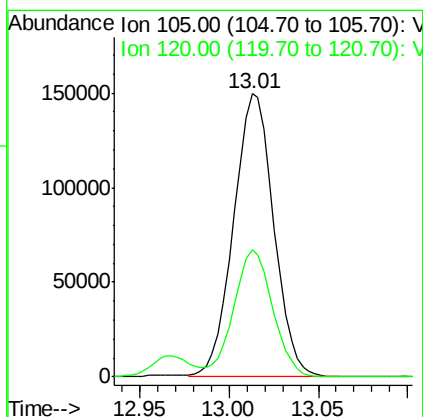
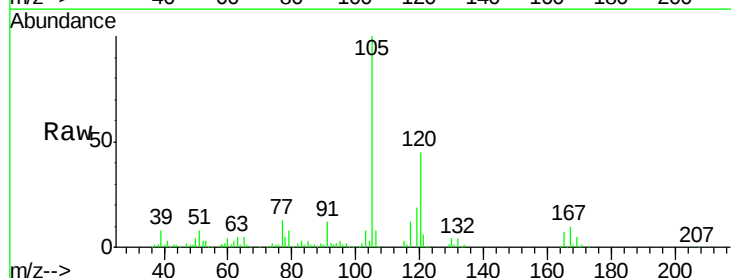
Manual Integrations
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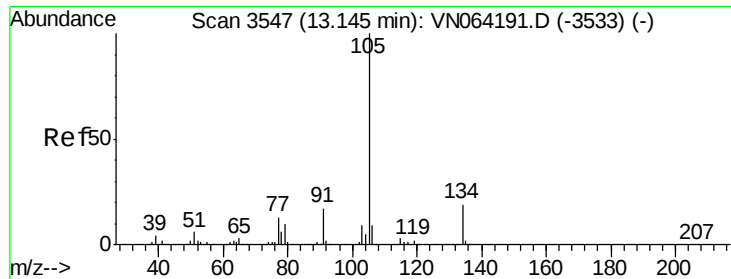
MMDadoda
10/23/2020 2:29:05 PM



#80
1,2,4-Trimethylbenzene
Concen: 17.603 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	234286		
120	43.6	0.0	85.8	





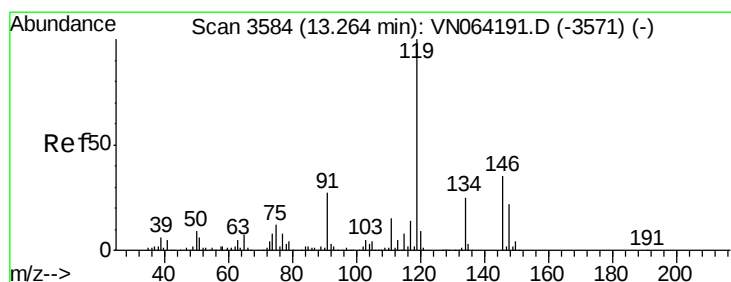
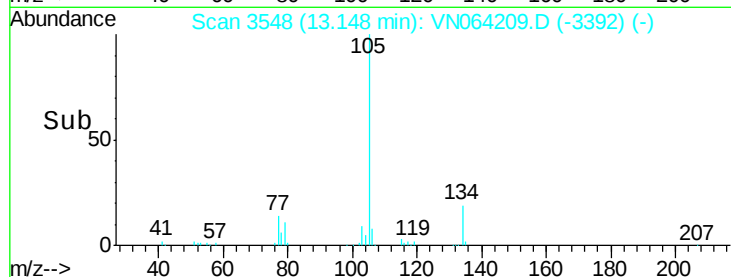
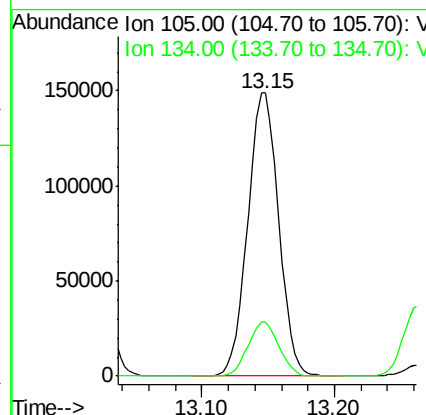
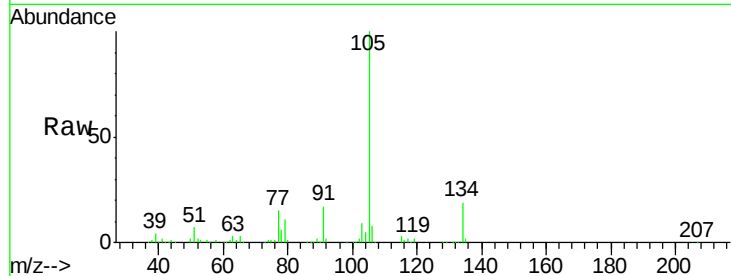
#81
 sec-Butylbenzene
 Concen: 17.308 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	0.0	38.4

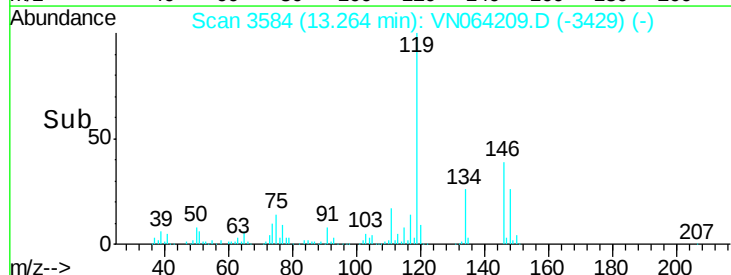
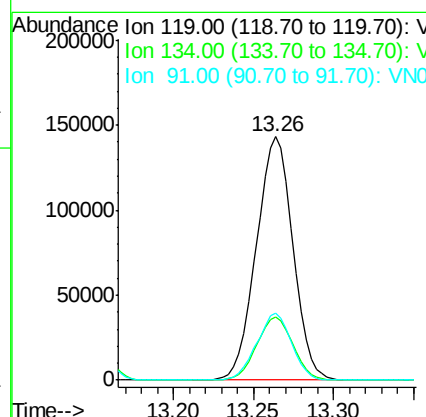
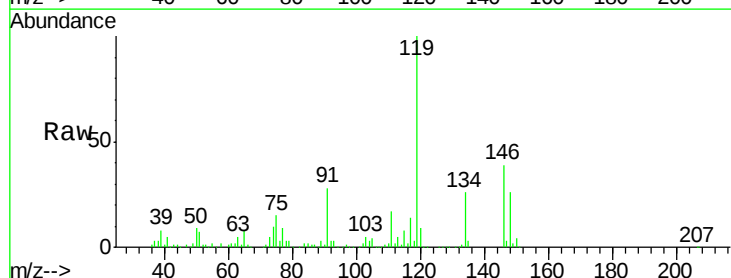
Manual Integrations
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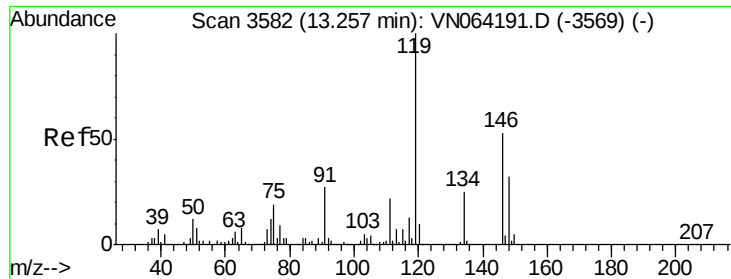
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#82
 p-Isopropyltoluene
 Concen: 17.376 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	0.0	51.4
91	26.4	0.0	52.8





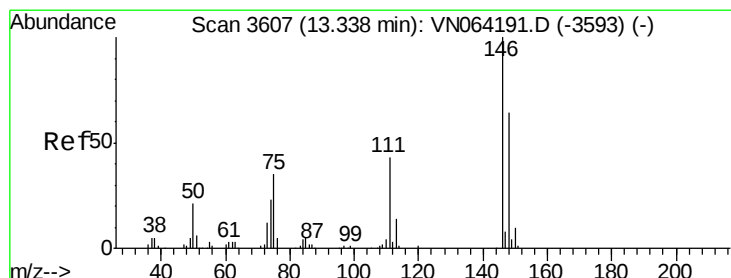
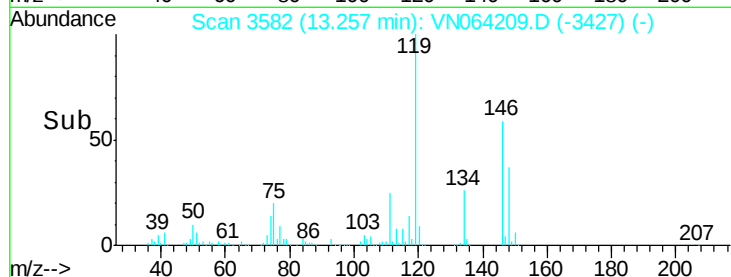
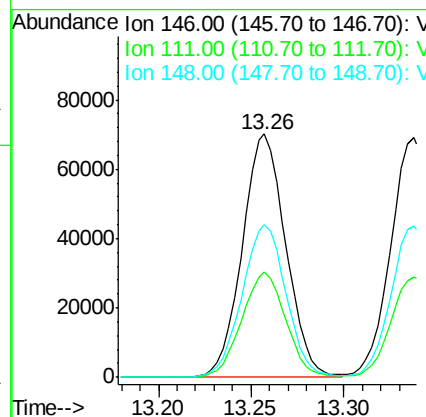
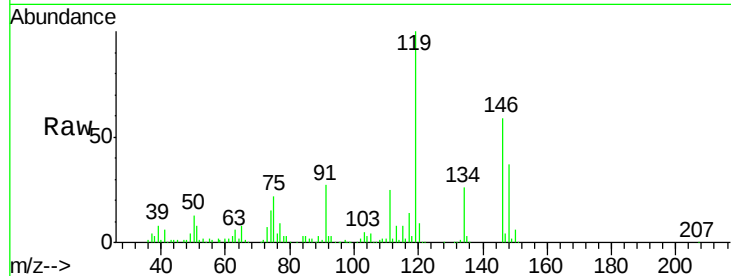
#83
 1,3-Dichlorobenzene
 Concen: 17.157 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	63.6	31.4	94.2

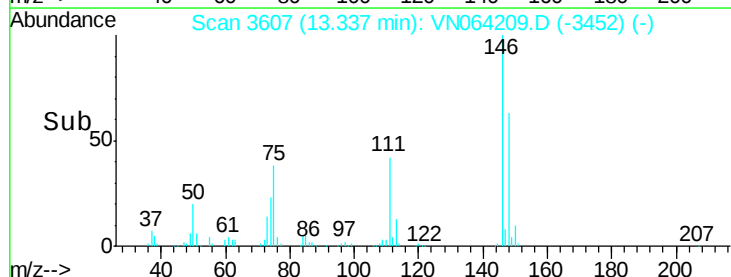
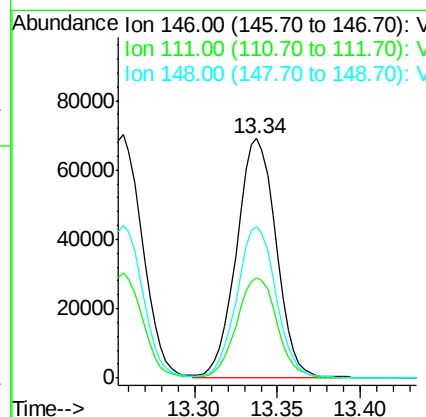
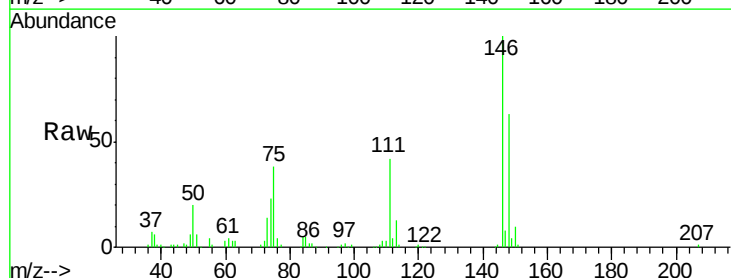
Manual Integrations
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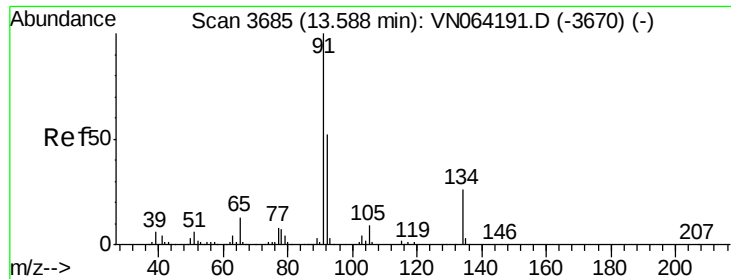
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#84
 1,4-Dichlorobenzene
 Concen: 17.298 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.8
148	62.7	30.9	92.7





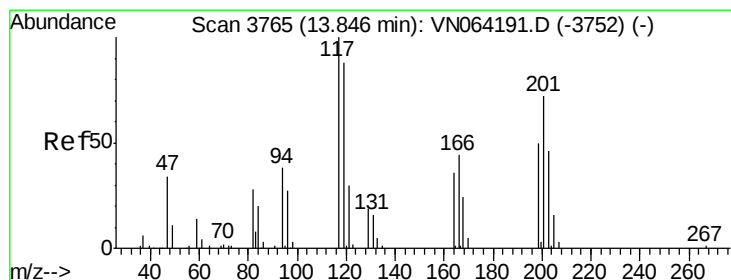
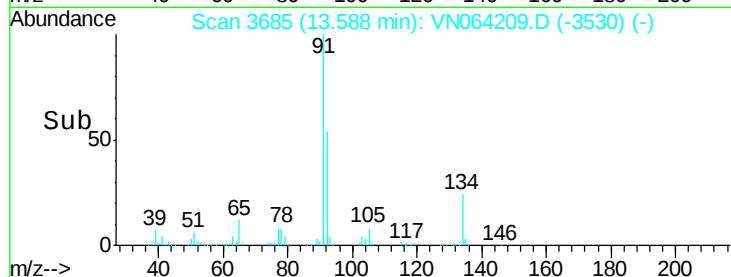
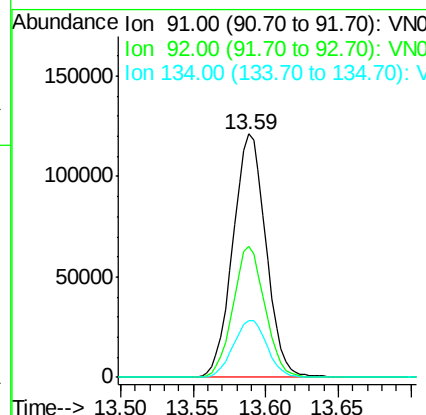
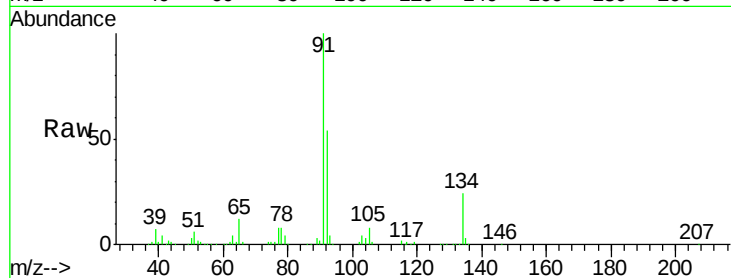
#85
n-Butylbenzene
Concen: 16.731 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	191705		
92	51.9		0.0	104.8
134	24.0		0.0	49.8

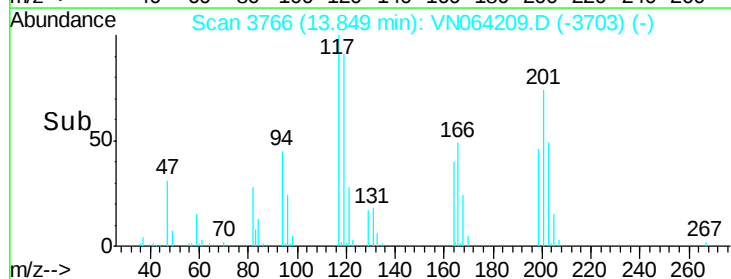
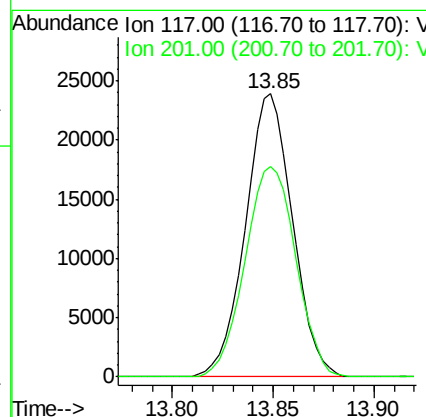
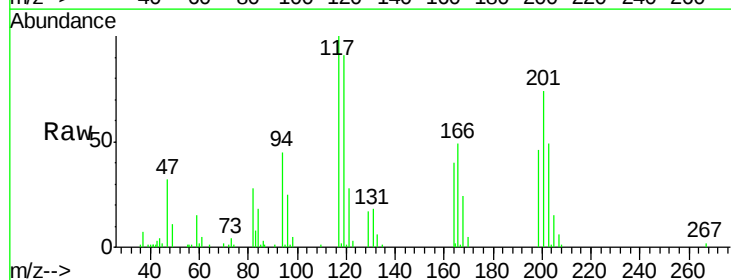
Manual Integrations
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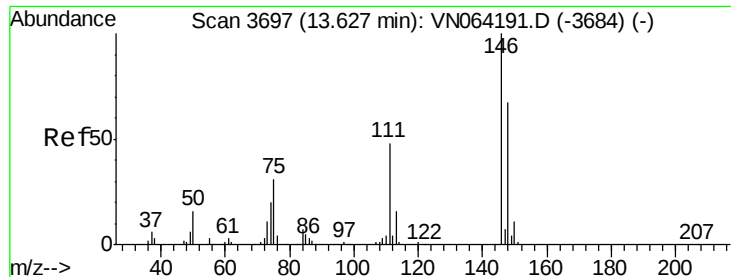
MMDadoda
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#86
Hexachloroethane
Concen: 17.592 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39092		
201	80.2		37.5	112.3





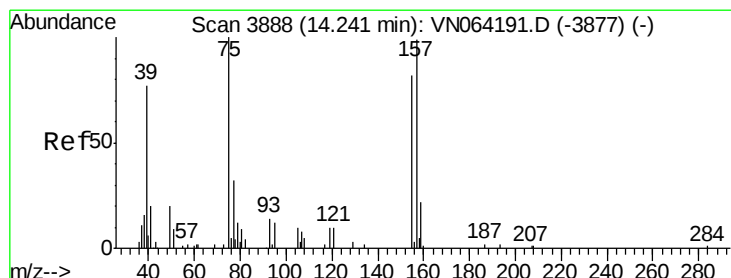
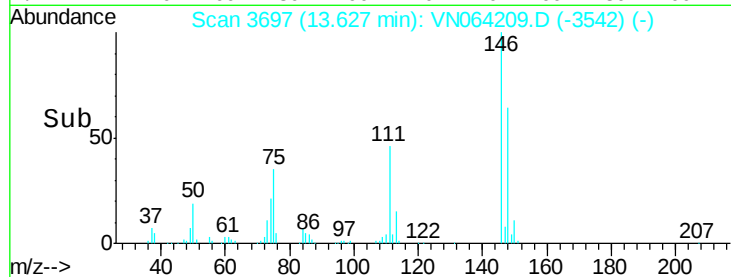
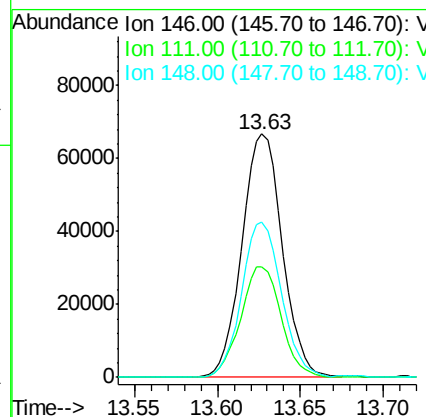
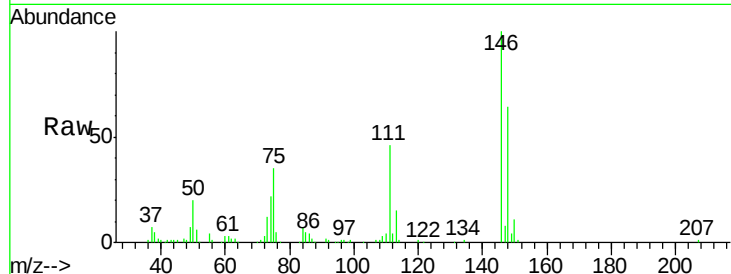
#87
 1,2-Dichlorobenzene
 Concen: 17.418 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	22.6	67.8
148	63.1	32.6	97.8

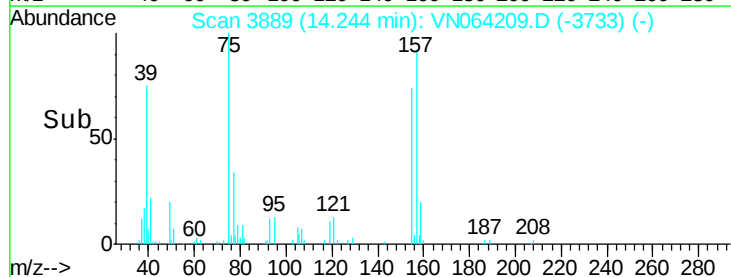
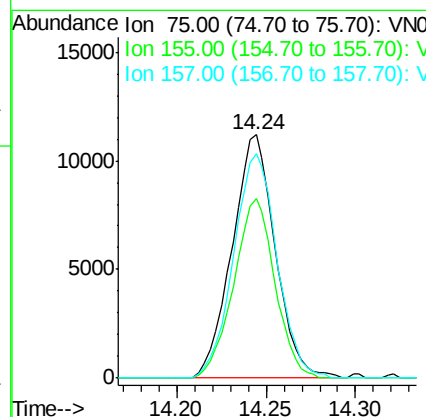
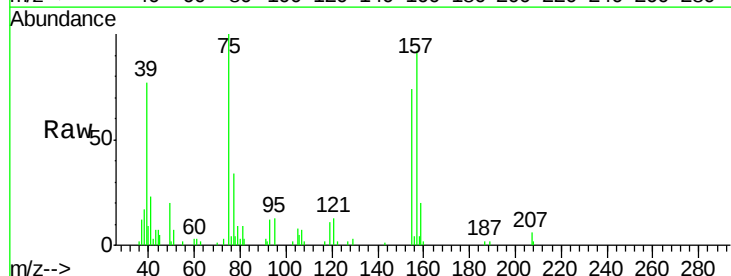
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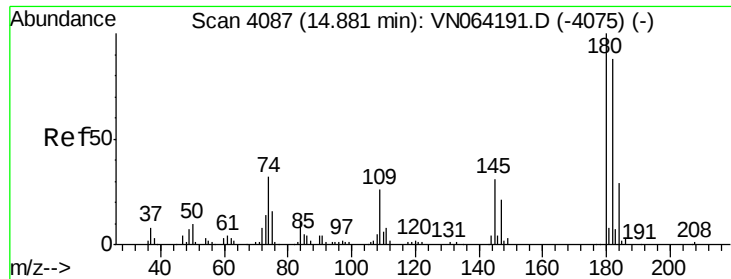
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 10/23/2020 2:29:05 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.708 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	61.1	91.7
157	92.4	76.5	114.7





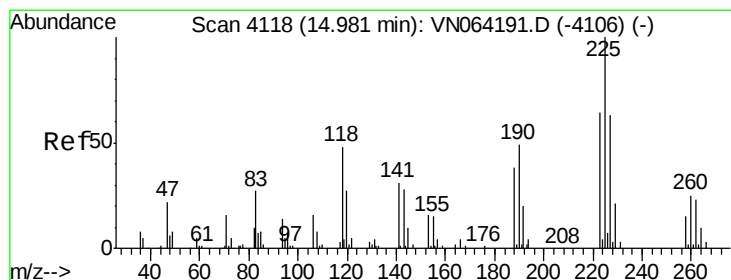
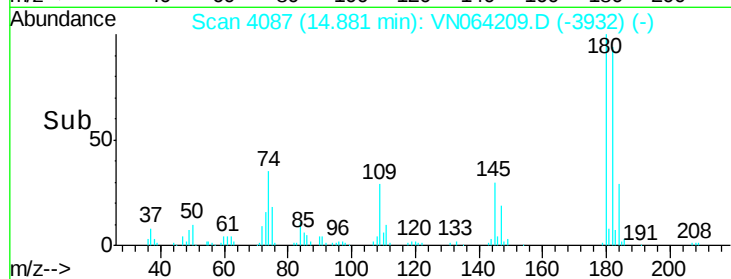
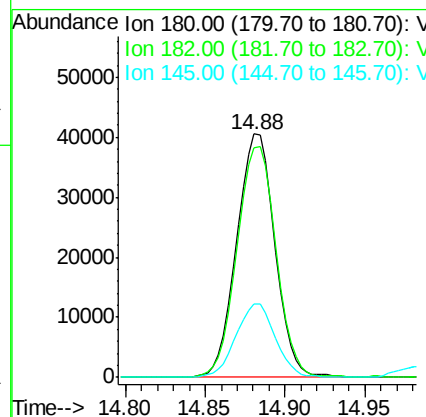
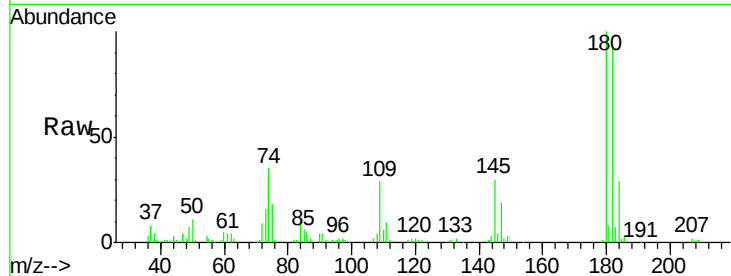
#89
 1,2,4-Trichlorobenzene
 Concen: 16.894 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	73.0	109.4
145	31.0	24.3	36.5

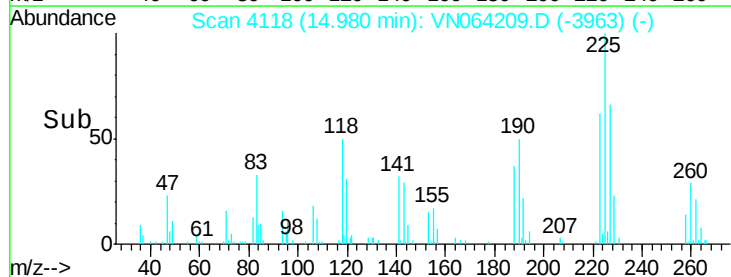
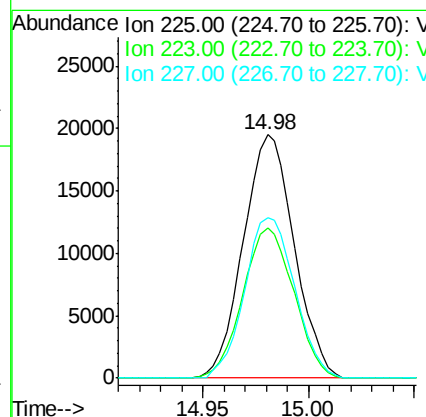
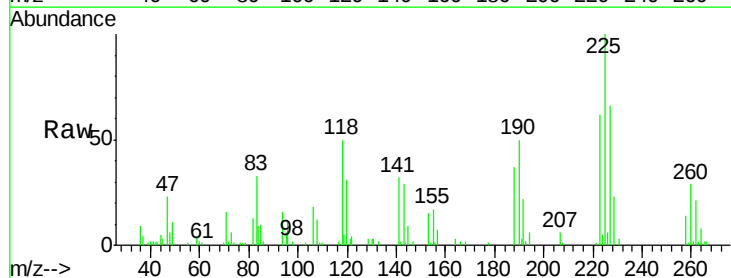
Manual Integrations
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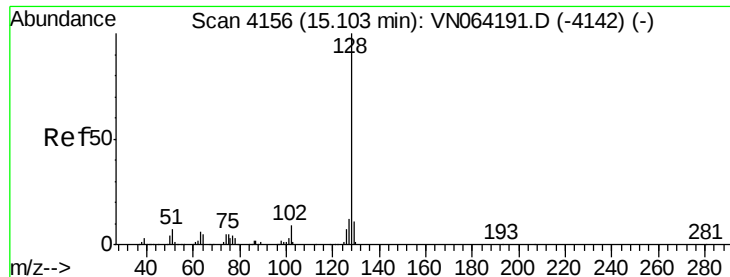
MMDadoda
 10/23/2020 2:29:05 PM



#90
 Hexachlorobutadiene
 Concen: 16.544 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064209.D
 Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	0.0	127.0
227	64.9	0.0	129.4





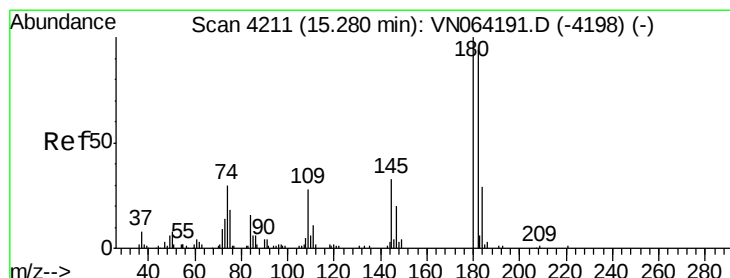
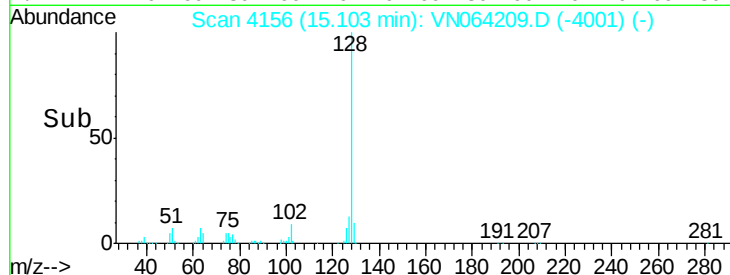
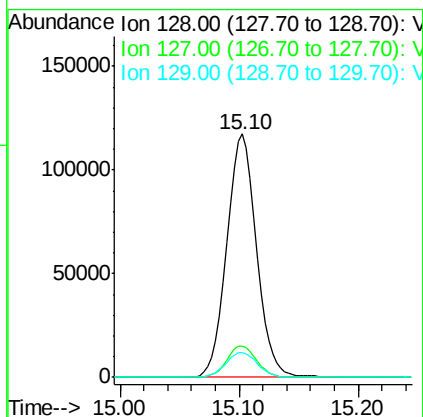
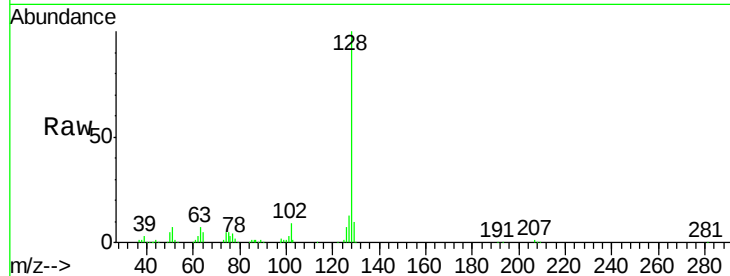
#91
Naphthalene
Concen: 17.164 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.490 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064209.D
Acq: 20 Oct 2020 20:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	0.0	190.0
145	34.0	0.0	66.6

