

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064277.D
 Acq On : 23 Oct 2020 1:58
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:36:50 PM

Quant Time: Oct 23 05:06:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 22 16:07:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	46822	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	270319	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	242140	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	127882	33.36	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	111.20%#
60) 4-Bromofluorobenzene	12.38	95	127368	29.35	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.83%
63) Toluene-d8	10.06	98	322678	29.43	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	69390	21.601 ug/l	91
3) Chloromethane	2.04	50	66874	20.314 ug/l	97
4) Vinyl Chloride	2.16	62	67350	20.795 ug/l	99
5) Bromomethane	2.54	94	41605	21.472 ug/l	99
6) Chloroethane	2.68	64	39715	21.054 ug/l	97
7) Trichlorofluoromethane	2.99	101	111722	21.488 ug/l	99
8) Diethyl Ether	3.38	74	34926	19.786 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56558	20.611 ug/l	98
10) 1,1-Dichloroethene	3.70	96	53438	20.002 ug/l	97
11) Methyl Iodide	3.91	142	73923	19.196 ug/l	95
12) Methyl Acetate	4.28	43	67212	23.868 ug/l	97
13) Acrolein	3.57	56	43136	140.096 ug/l #	1
14) Acrylonitrile	4.93	53	118397	104.336 ug/l	97
15) Acetone	3.77	58	33628	109.758 ug/l	98
16) Carbon Disulfide	4.01	76	145394	19.029 ug/l	97
17) Allyl chloride	4.28	41	103942	20.923 ug/l	95
18) Methylene Chloride	4.50	84	62468m	20.443 ug/l	
19) trans-1,2-Dichloroethene	5.00	96	57566	19.974 ug/l	92
20) Diisopropyl ether	5.90	45	193894	21.120 ug/l	98
21) 1,1-Dichloroethane	5.80	63	119669	21.351 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	68881m	20.445 ug/l	
23) tert-Butyl Alcohol	4.73	59	55006m	104.803 ug/l	
24) Methyl tert-Butyl Ether	4.99	73	185500	21.012 ug/l	98
25) Chloroform	7.33	83	123003	21.122 ug/l	93
26) Cyclohexane	7.61	56	85725	19.290 ug/l #	87
29) 1,1-Dichloropropene	7.75	75	88656	19.748 ug/l	97
30) 2-Butanone	6.78	43	191589	103.492 ug/l	99
31) 2,2-Dichloropropane	6.78	77	90762	15.925 ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	116495	20.367 ug/l #	87
33) Carbon Tetrachloride	7.74	117	107656	20.645 ug/l	95
34) Benzene	8.00	78	247576	19.804 ug/l	98
35) Methacrylonitrile	7.13	41	44195	21.764 ug/l	95
36) 1,2-Dichloroethane	8.09	62	107015	21.165 ug/l	98
37) Trichloroethene	8.80	130	71136	20.667 ug/l	98
38) Methylcyclohexane	9.05	83	81115	18.892 ug/l	98
39) 1,2-Dichloropropane	9.08	63	67041	20.096 ug/l	100
40) Dibromomethane	9.18	93	46982	20.240 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	102149	20.334	ug/l	96
42) Vinyl Acetate	5.84	43	880330	100.166	ug/l	99
43) Ethyl Acetate	6.88	43	86569	21.411	ug/l #	86
44) Isopropyl Acetate	8.13	43	154284	19.876	ug/l	97
45) 1,4-Dioxane	9.16	88	19371	426.690	ug/l #	87
46) Methyl methacrylate	9.16	41	73874	20.058	ug/l	97
47) n-amyl Acetate	12.04	43	126354	18.349	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	106847	18.859	ug/l	94
49) cis-1,3-Dichloropropene	9.81	75	111325	19.017	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	62347	20.049	ug/l	93
51) Ethyl methacrylate	10.40	69	93230	18.959	ug/l	97
52) 1,3-Dichloropropane	10.68	76	109733	20.468	ug/l	98
53) Dibromochloromethane	10.87	129	74602	19.061	ug/l	98
54) 1,2-Dibromoethane	10.98	107	65379	19.779	ug/l	95
55) 2-Chloroethyl vinyl ether	9.66	63	222859	92.213	ug/l	99
56) Bromoform	12.10	173	50549	18.545	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	427894	104.283	ug/l	99
59) 2-Hexanone	10.72	43	303791	99.728	ug/l	99
61) Tetrachloroethene	10.60	164	68637	21.027	ug/l	96
62) Toluene	10.13	91	272233	19.666	ug/l	99
64) Chlorobenzene	11.41	112	171234	19.863	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	70401	20.844	ug/l	95
66) Ethyl Benzene	11.48	91	310430	19.505	ug/l	99
67) m/p-Xylenes	11.60	106	225887	38.163	ug/l	95
68) o-Xylene	11.92	106	109595	19.081	ug/l	98
69) Styrene	11.94	104	186442	19.187	ug/l	99
70) Isopropylbenzene	12.22	105	293114	19.323	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	80222	19.299	ug/l	95
72) 1,2,3-Trichloropropane	12.52	75	81311m	18.744	ug/l	
73) Bromobenzene	12.50	156	71581	19.568	ug/l	97
74) n-propylbenzene	12.56	91	332084	19.181	ug/l	98
75) 2-Chlorotoluene	12.65	91	209337	19.532	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	253550	19.643	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	28748	16.950	ug/l	100
78) 4-Chlorotoluene	12.75	91	215535	19.226	ug/l	100
79) tert-butylbenzene	12.97	119	204799	19.407	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	251520	19.195	ug/l	97
81) sec-Butylbenzene	13.14	105	262222	19.098	ug/l	100
82) p-Isopropyltoluene	13.26	119	236439	18.606	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	125760	19.180	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	122369	18.641	ug/l	95
85) n-Butylbenzene	13.59	91	204268	18.108	ug/l	100
86) Hexachloroethane	13.85	117	40159	18.356	ug/l	94
87) 1,2-Dichlorobenzene	13.63	146	122874	19.216	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	20167	19.155	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	69284	18.043	ug/l	97
90) Hexachlorobutadiene	14.98	225	37464	19.248	ug/l	98
91) Naphthalene	15.10	128	211953	18.210	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	69285	18.867	ug/l	99

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

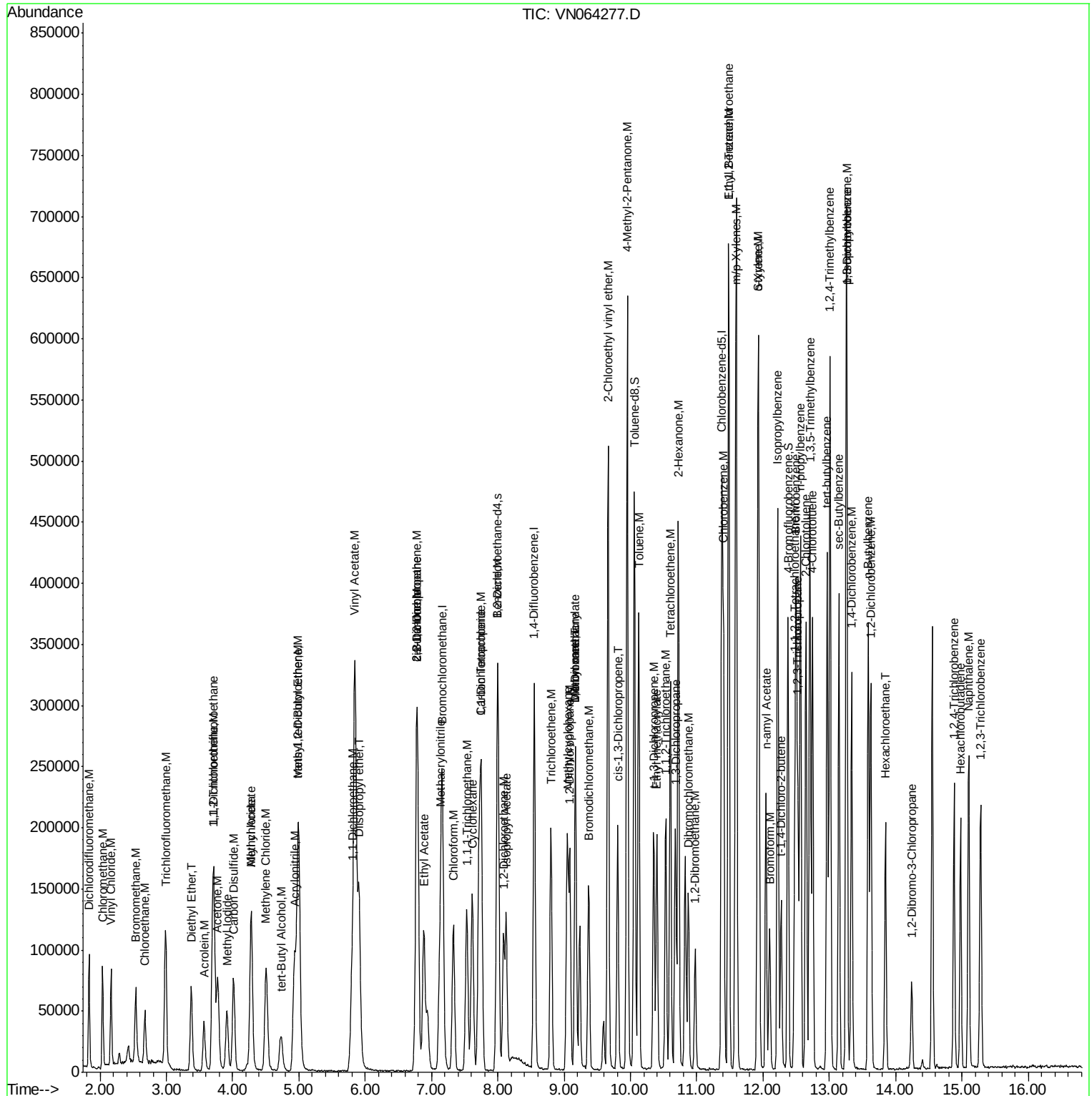
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Data File : VN064277.D
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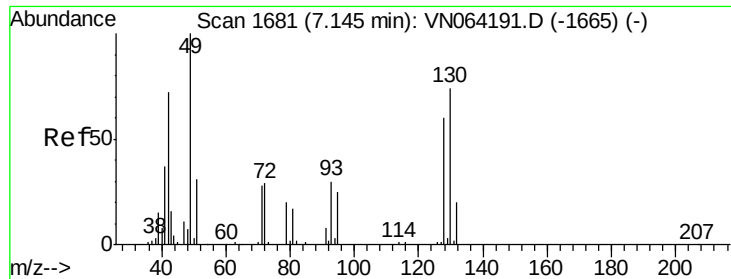
Instrument :
MSVOA_N
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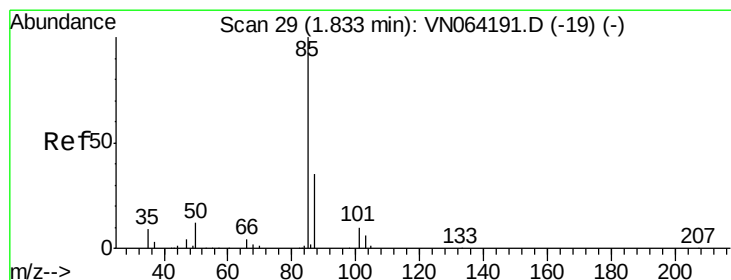
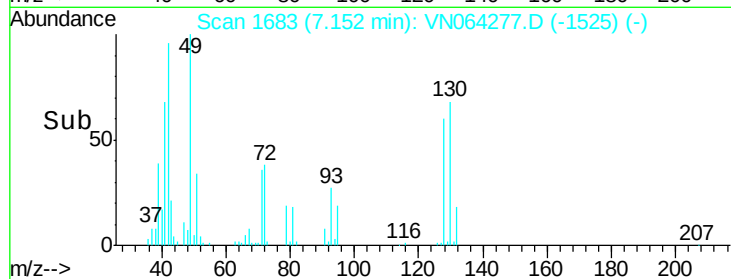
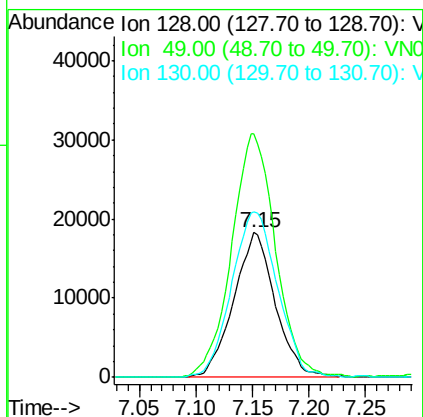
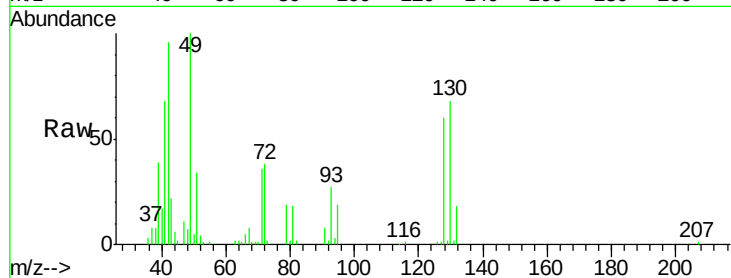
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	176.9	0.0	433.3
130	124.8	0.0	322.5

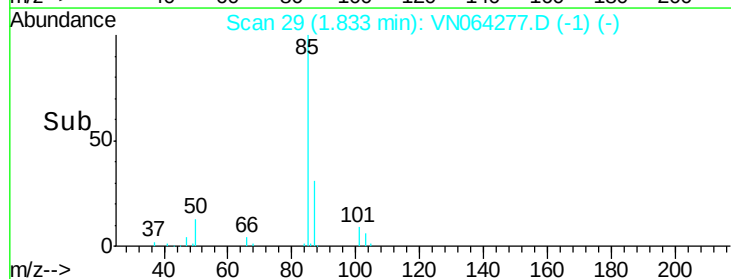
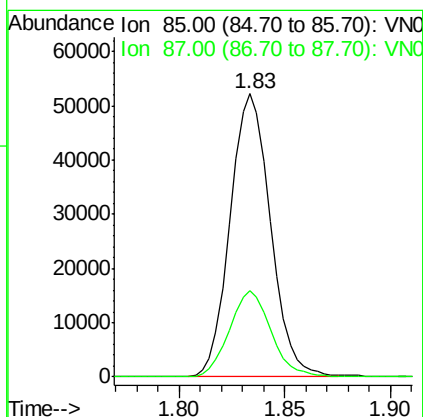
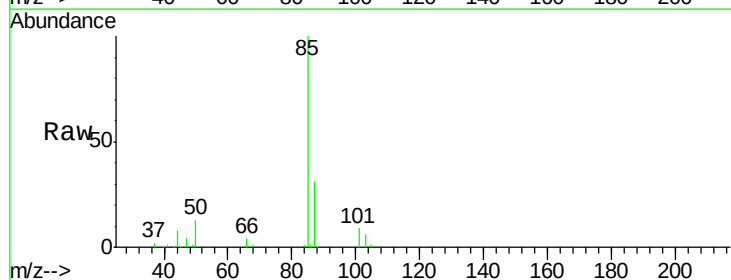
Manual Integrations
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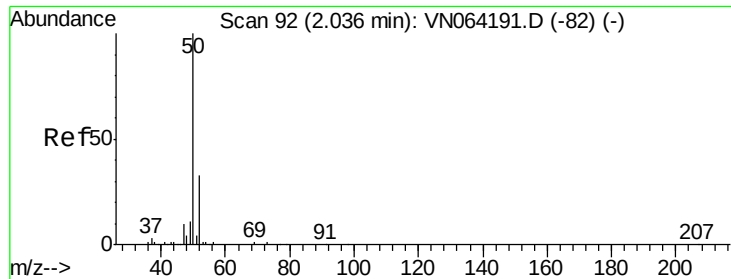
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#2
Dichlorodifluoromethane
Concen: 21.601 ug/l
RT: 1.83 min Scan# 29
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.5	17.8	53.3





#3

Chloromethane

Concen: 20.314 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 66874

Ion Ratio Lower Upper

50 100

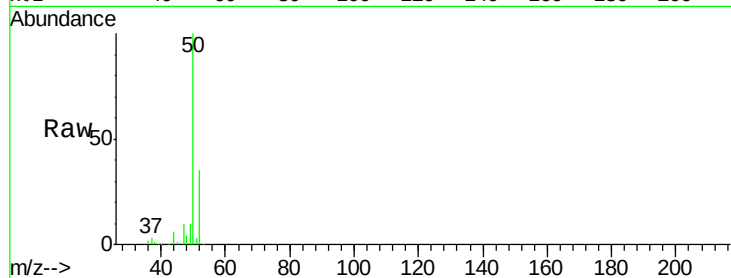
52 34.9 26.6 40.0

Manual Integrations

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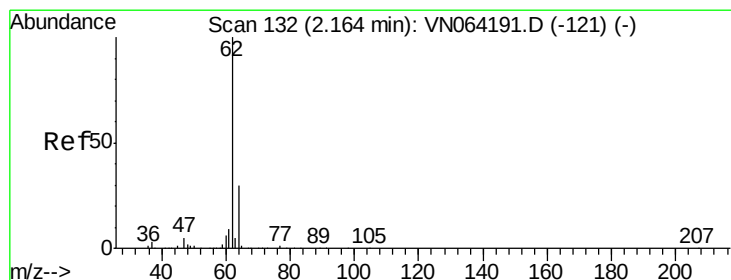
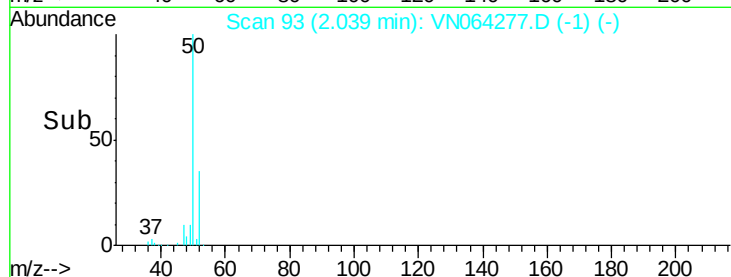
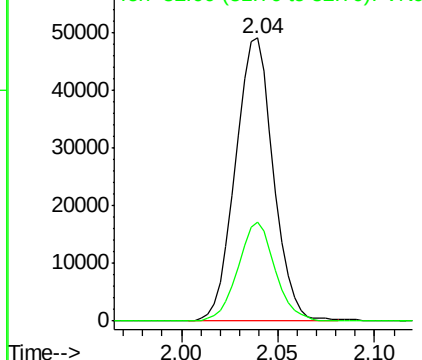
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.795 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064277.D

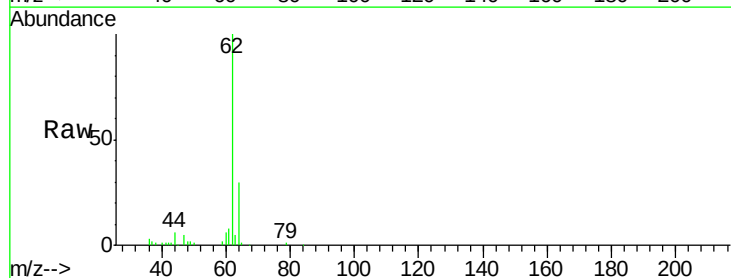
Acq: 23 Oct 2020 1:58

Tgt Ion: 62 Resp: 67350

Ion Ratio Lower Upper

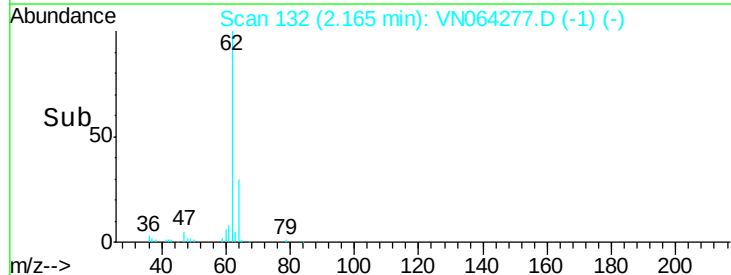
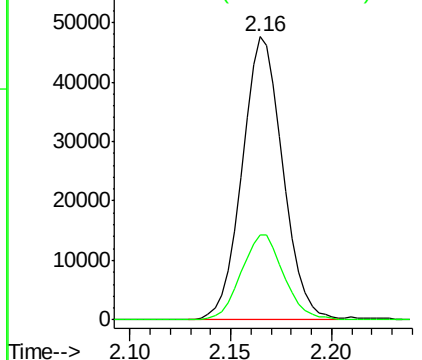
62 100

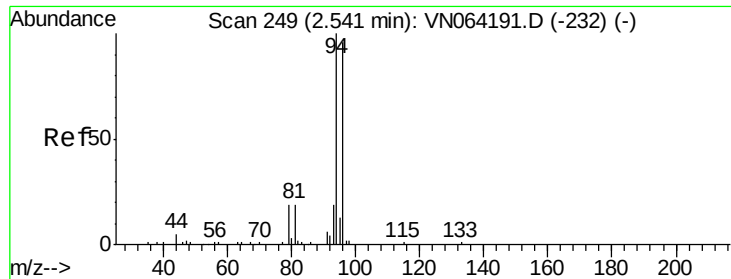
64 30.2 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 21.472 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 41605

Ion Ratio Lower Upper

94 100

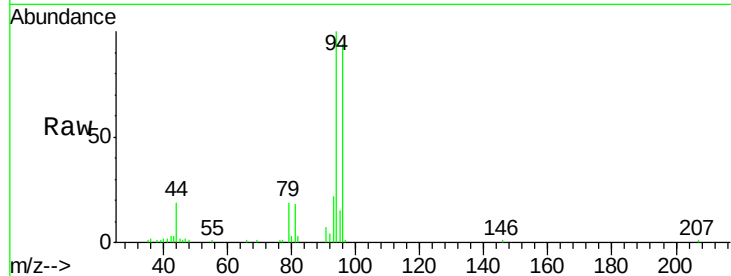
96 94.5 76.6 115.0

Manual Integrations

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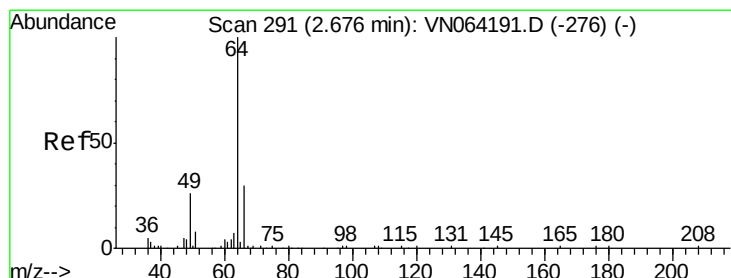
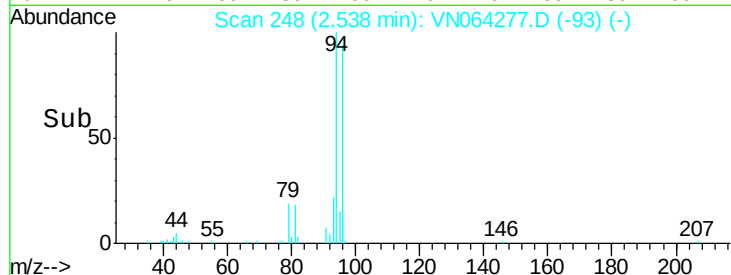
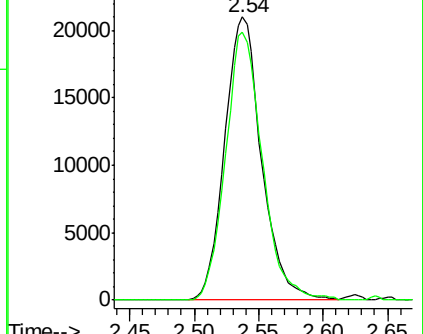
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.054 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064277.D

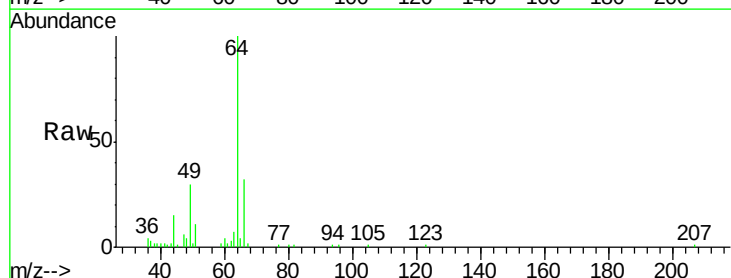
Acq: 23 Oct 2020 1:58

Tgt Ion: 64 Resp: 39715

Ion Ratio Lower Upper

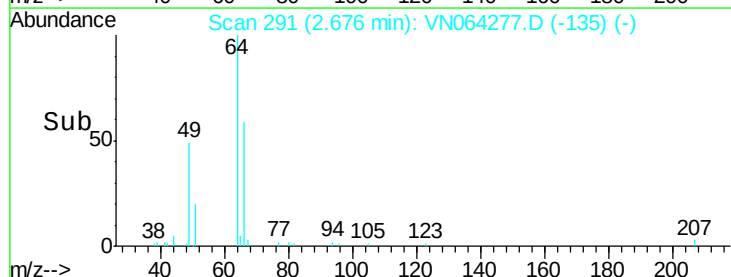
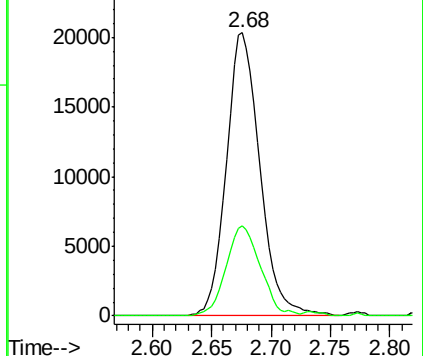
64 100

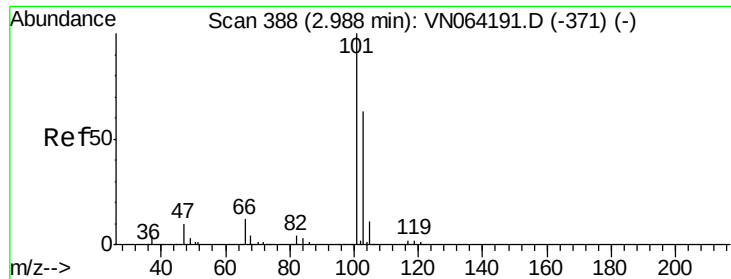
66 31.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

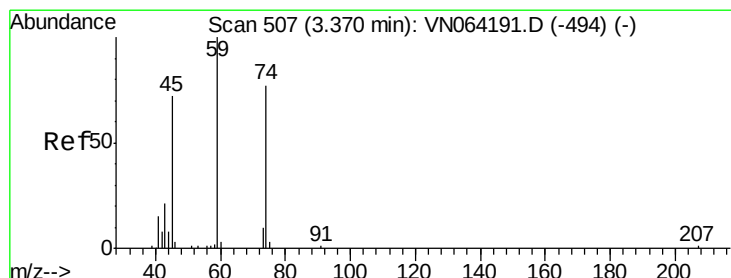
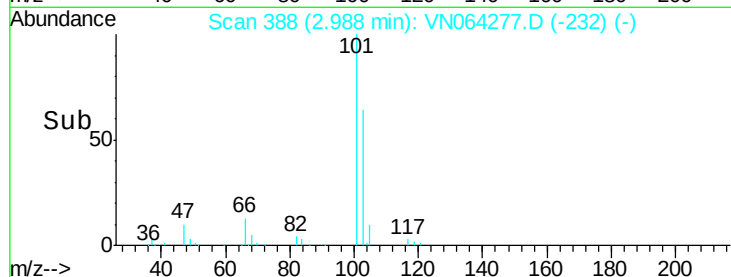
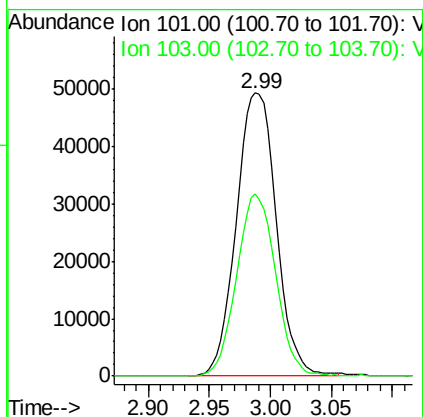
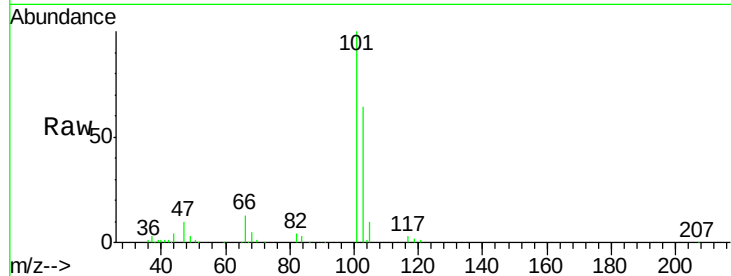
Trichlorofluoromethane
Concen: 21.488 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.7	76.1

Manual Integrations
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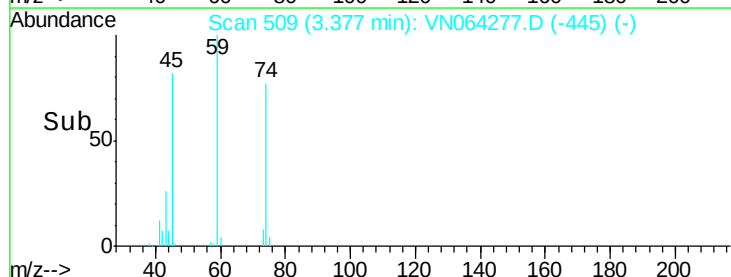
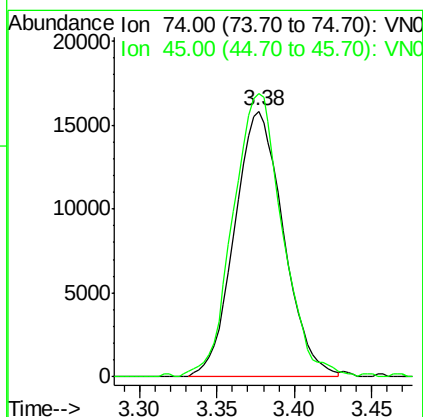
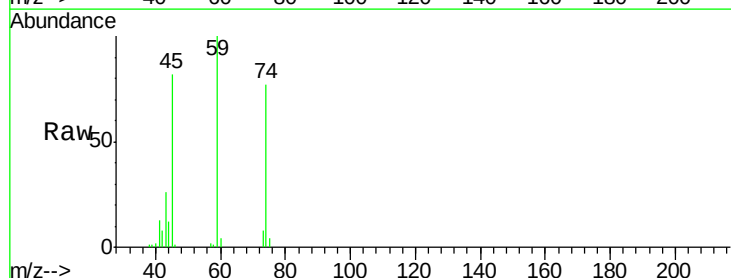
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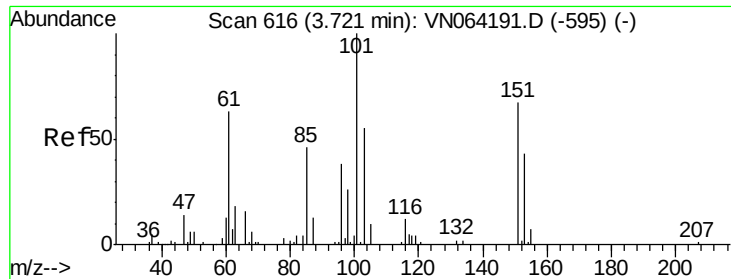


#8

Diethyl Ether
Concen: 19.786 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.611 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

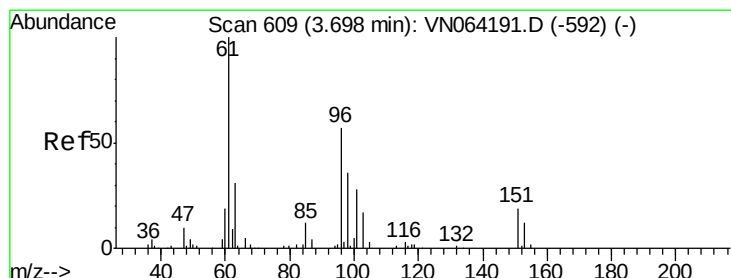
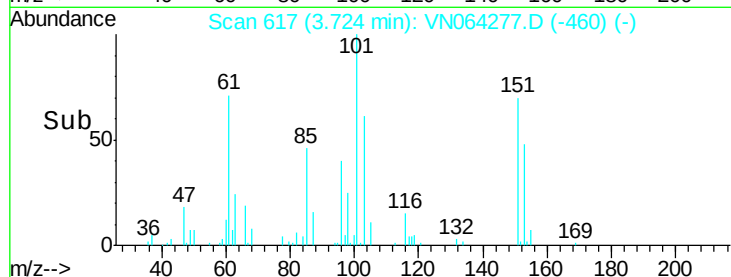
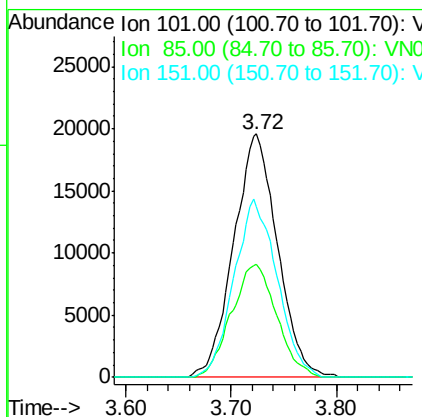
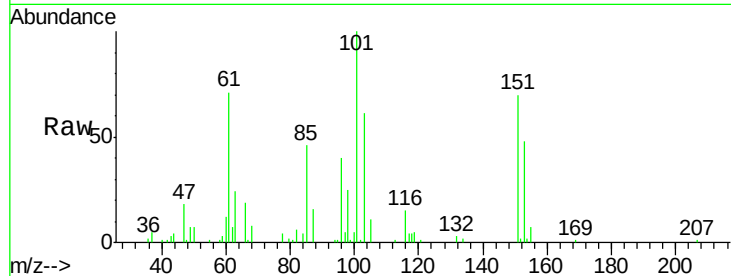
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	56558
Ion Ratio	Lower	Upper	
101	100		
85	47.9	0.0	94.0
151	71.9	0.0	146.6

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#10

1,1-Dichloroethene

Concen: 20.002 ug/l

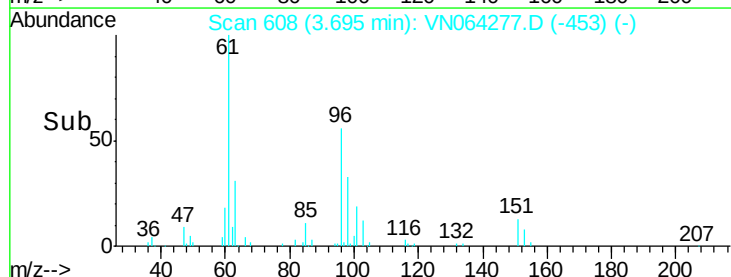
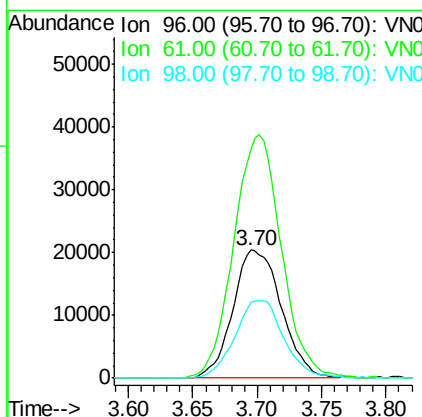
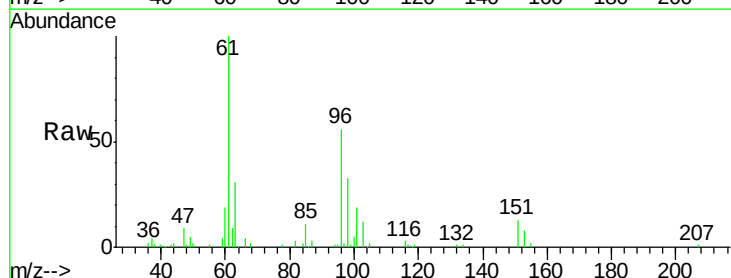
RT: 3.70 min Scan# 608

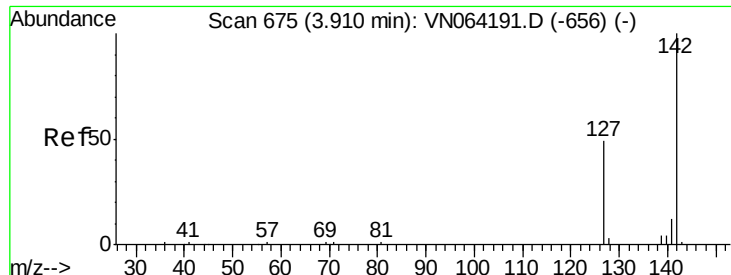
Delta R.T. -0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Tgt Ion:	96	Resp:	53438
Ion Ratio	Lower	Upper	
96	100		
61	178.4	141.0	211.4
98	58.9	51.4	77.2





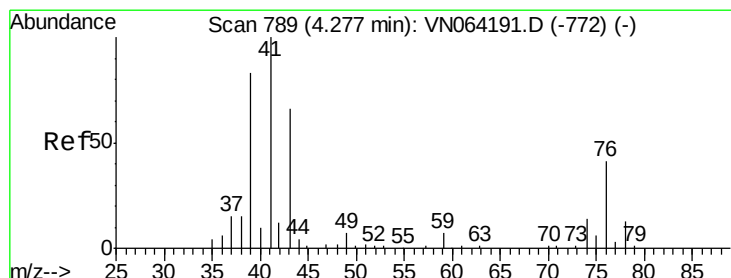
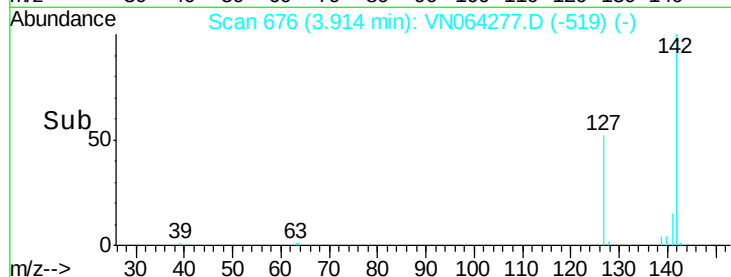
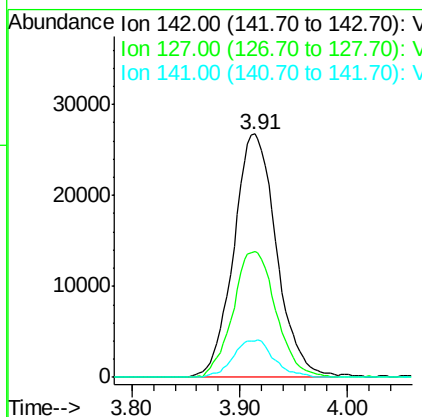
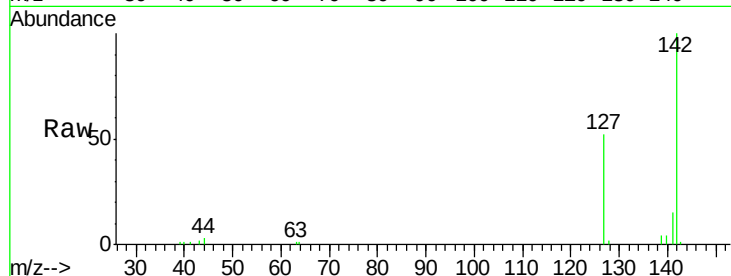
#11
Methvl Iodide
Concen: 19.196 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.0	24.5	73.5
141	15.1	6.0	18.1

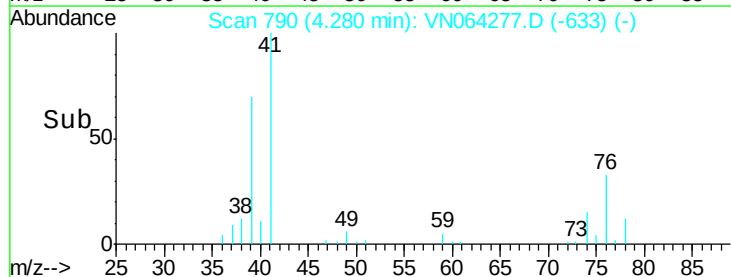
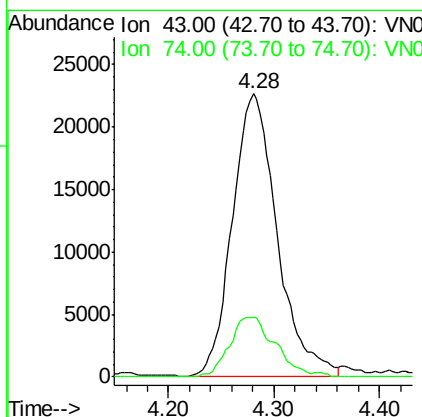
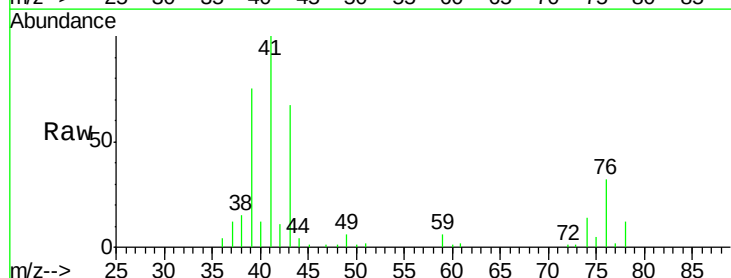
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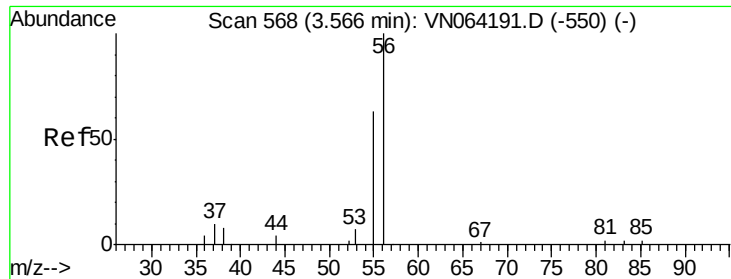
MMDadoda
10/23/2020 3:36:50 PM



#12
Methyl Acetate
Concen: 23.868 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	16.2	24.2





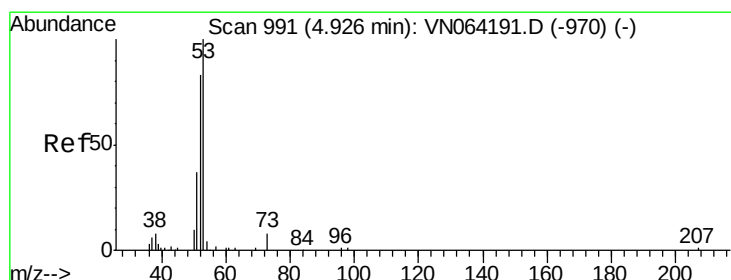
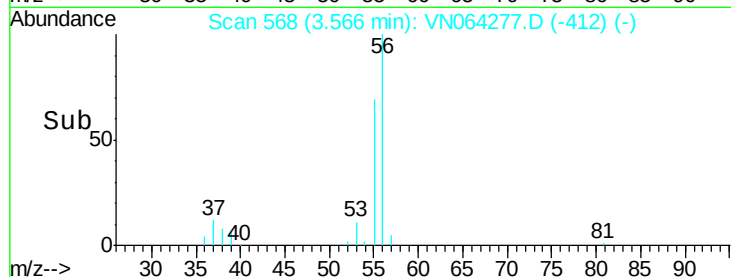
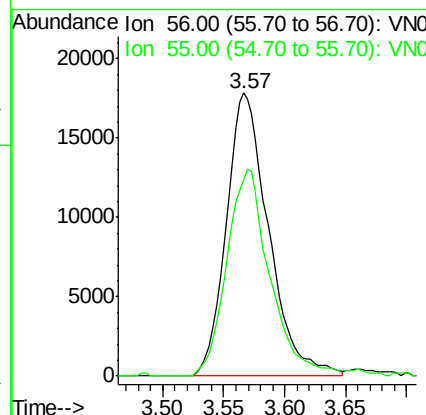
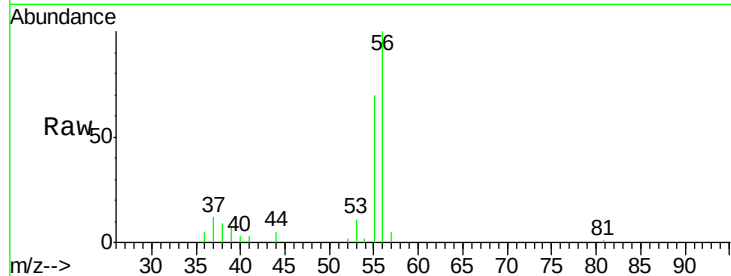
#13
Acrolein
Concen: 140.096 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.3	0.5	0.7#	

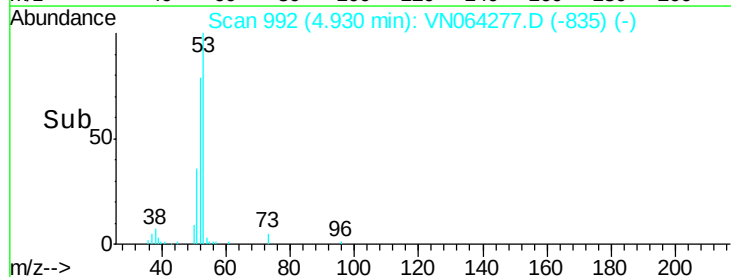
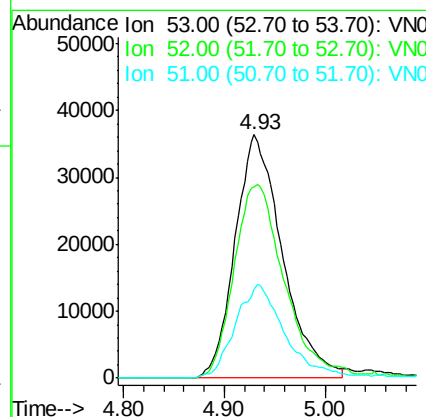
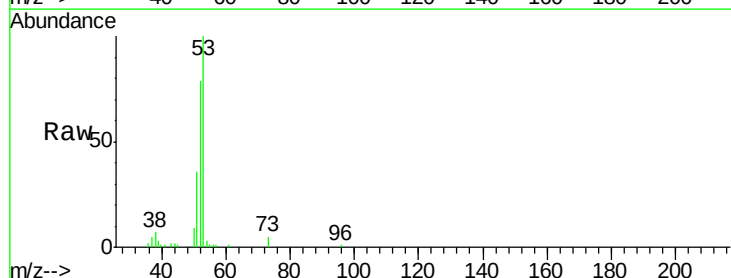
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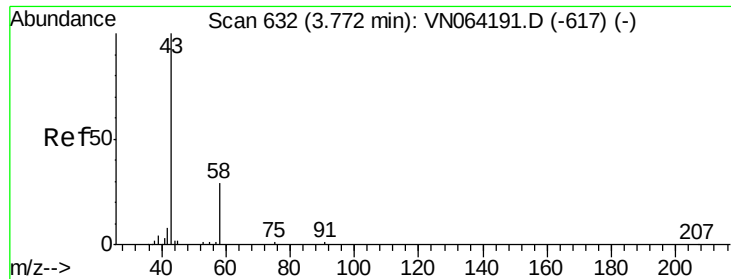
MMDadoda
10/23/2020 3:36:50 PM



#14
Acrylonitrile
Concen: 104.336 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	83.2	41.3	123.9	
51	40.1	18.1	54.1	





#15

Acetone

Concen: 109.758 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 33628

Ion Ratio Lower Upper

58 100

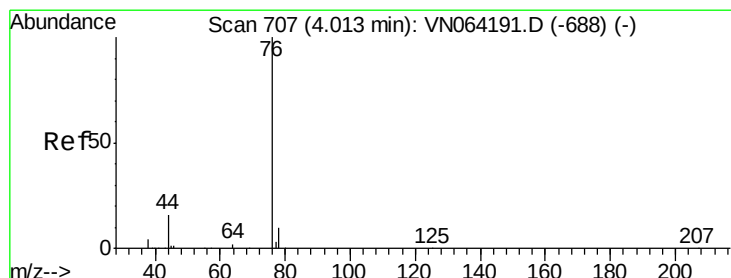
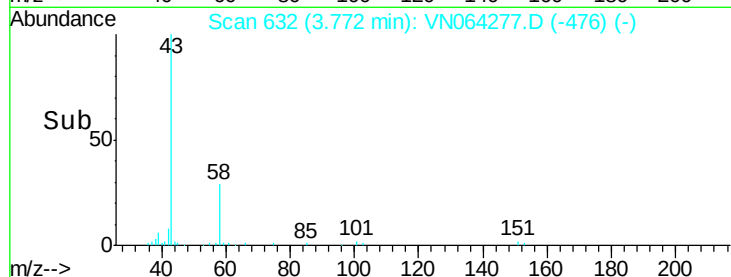
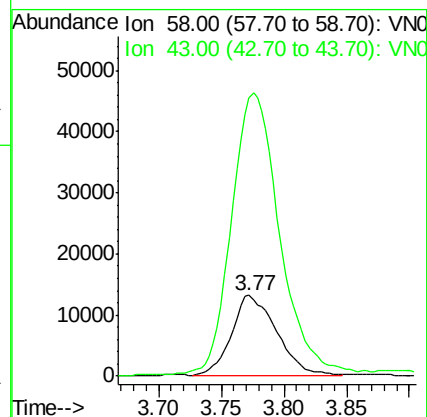
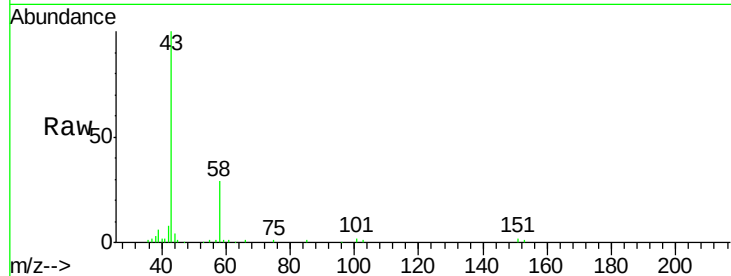
43 336.7 272.1 408.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.029 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064277.D

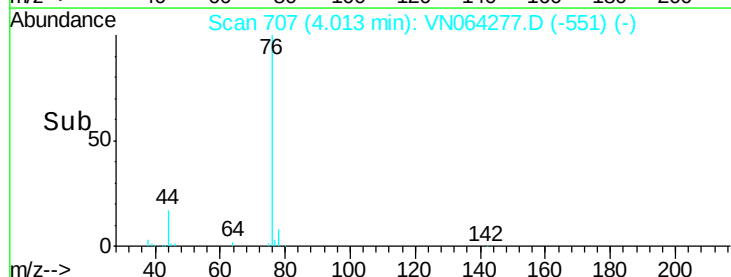
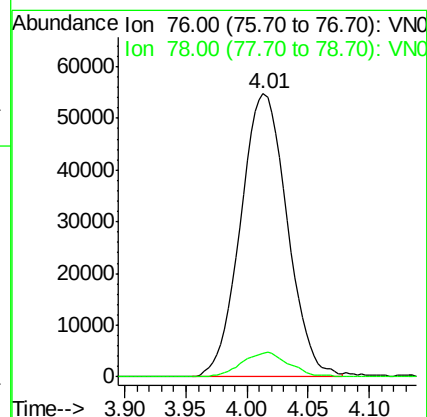
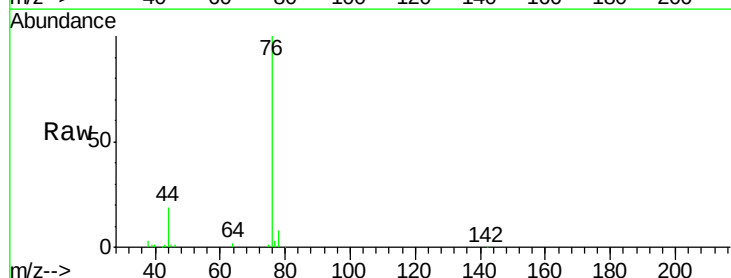
Acq: 23 Oct 2020 1:58

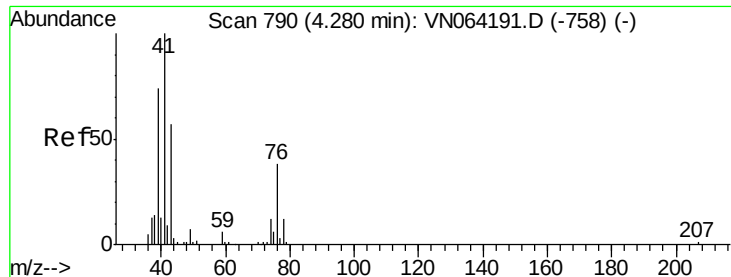
Tgt Ion: 76 Resp: 145394

Ion Ratio Lower Upper

76 100

78 8.5 7.7 11.5





#17

Allvl chloride

Concen: 20.923 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

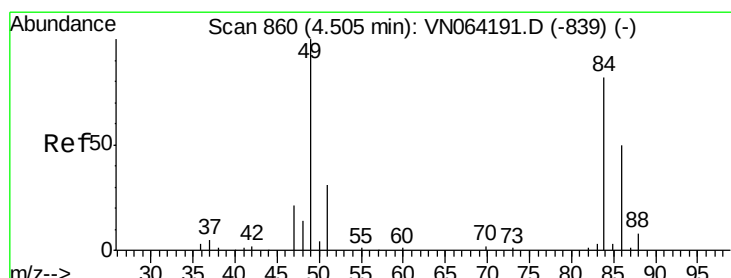
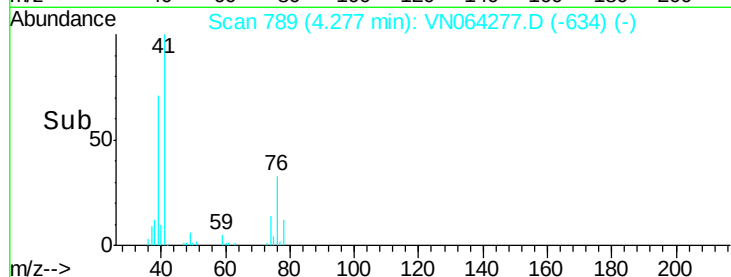
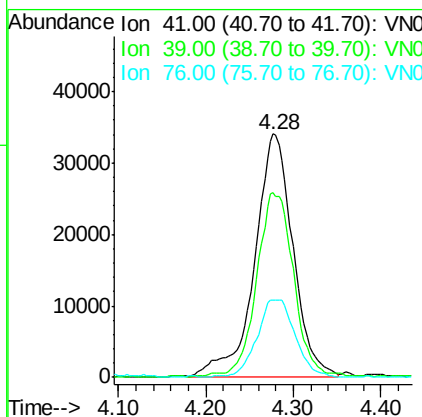
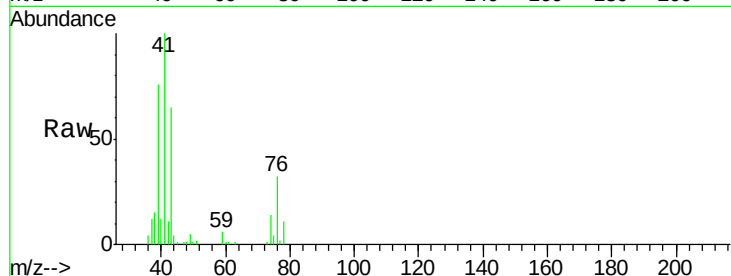
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	103942
Ion Ratio	Lower	Upper	
41	100		
39	75.6	36.8	110.4
76	31.7	18.8	56.4

Manual Integrations
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#18

Methylene Chloride

Concen: 20.443 ug/l m

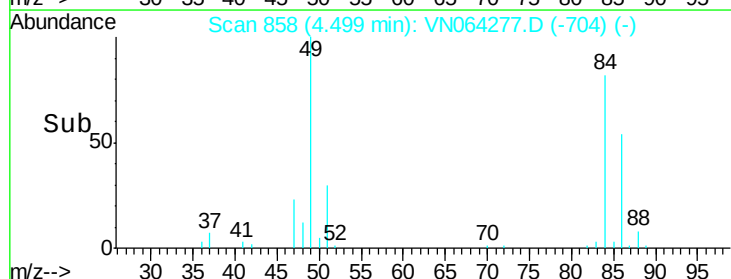
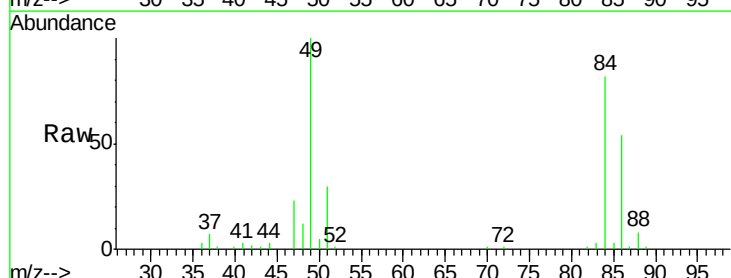
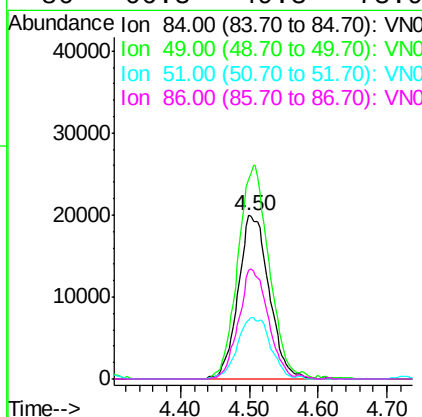
RT: 4.50 min Scan# 858

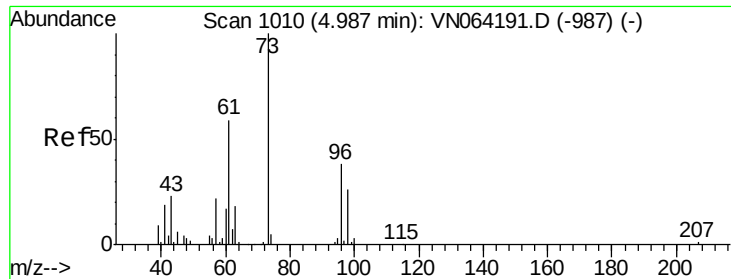
Delta R.T. -0.01 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Tgt Ion:	84	Resp:	62468
Ion Ratio	Lower	Upper	
84	100		
49	122.6	97.6	146.4
51	36.3	31.1	46.7
86	66.3	49.3	73.9





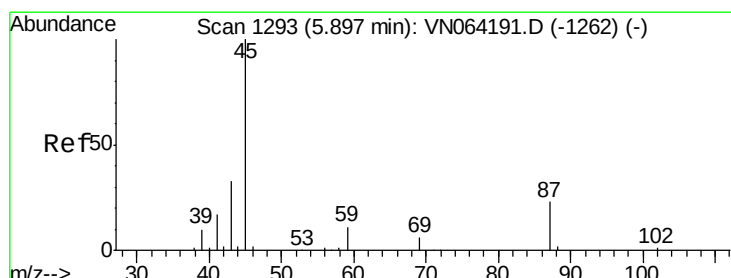
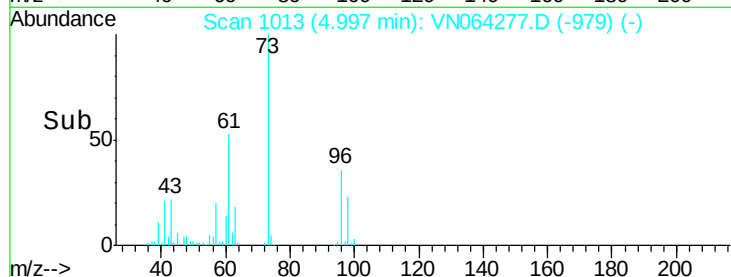
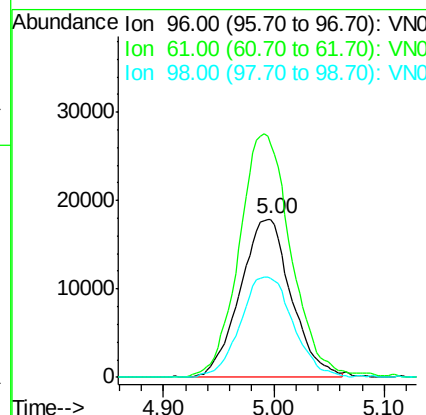
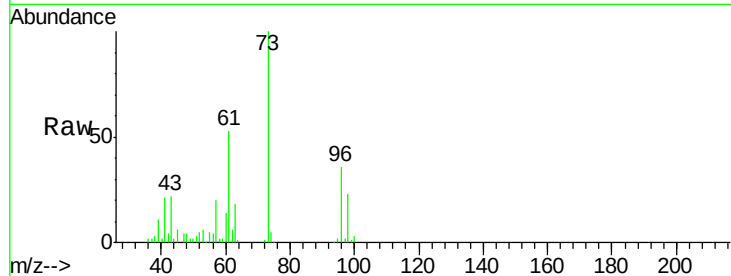
#19
trans-1,2-Dichloroethene
Concen: 19.974 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	125.5	188.3
98	62.6	54.7	82.1

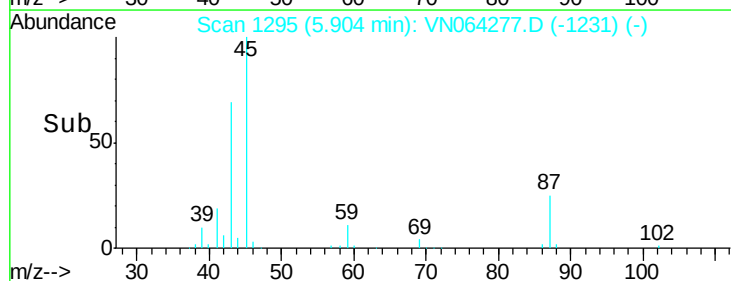
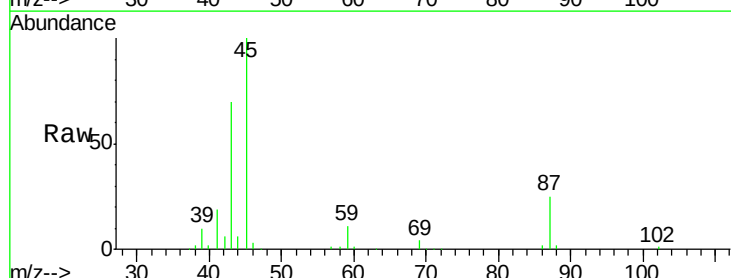
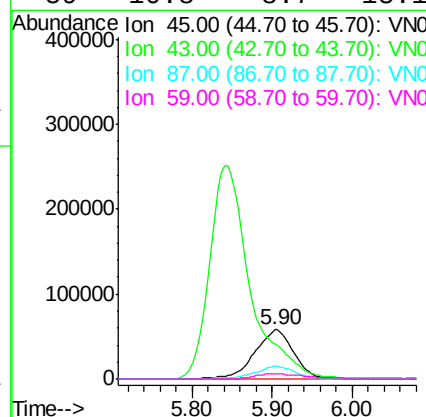
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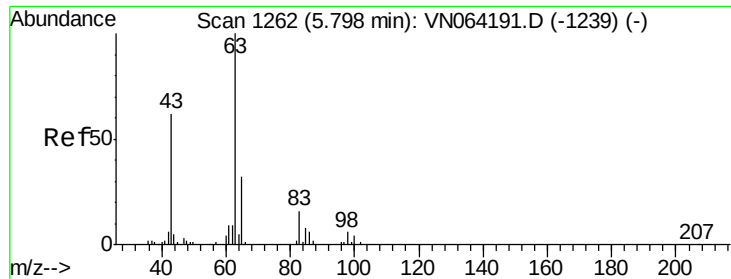
MMDadoda
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#20
Diisopropyl ether
Concen: 21.120 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.6	55.1	82.7
87	25.3	19.4	29.2
59	10.8	8.7	13.1





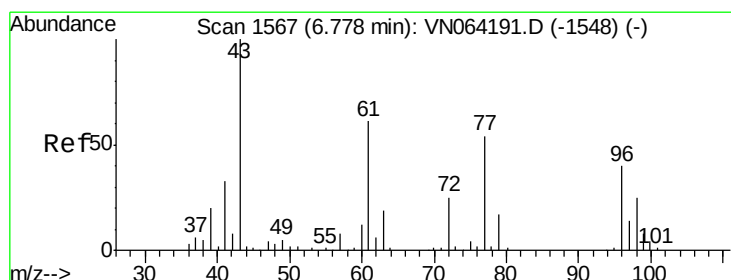
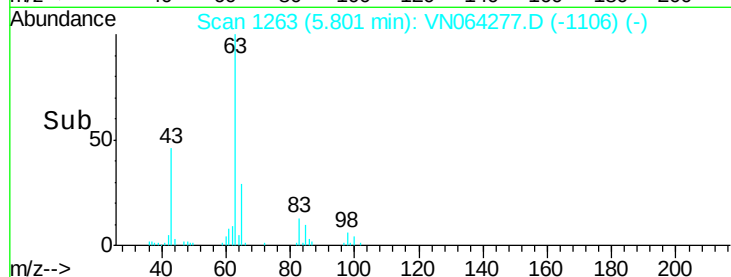
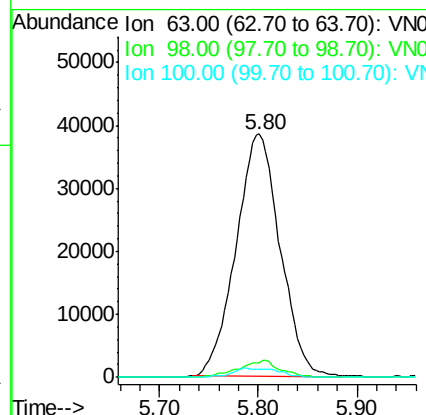
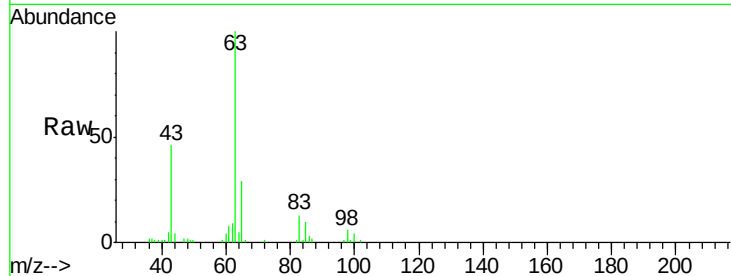
#21
 1,1-Dichloroethane
 Concen: 21.351 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2	2.9	8.7	
100	3.5	2.1	6.3	

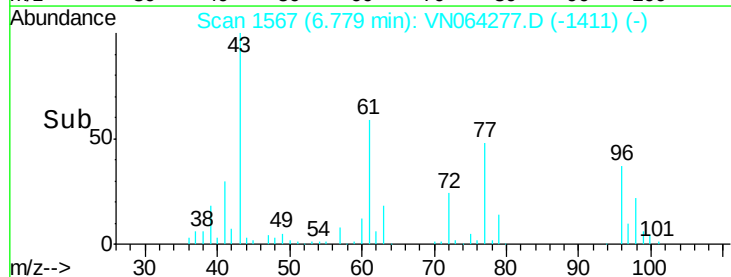
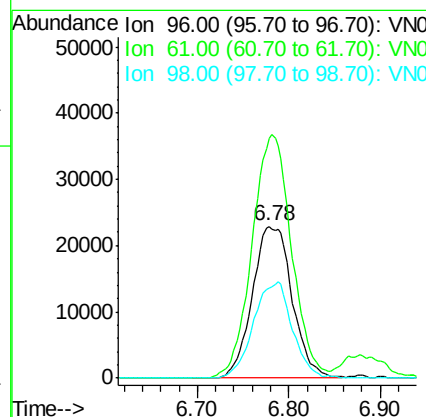
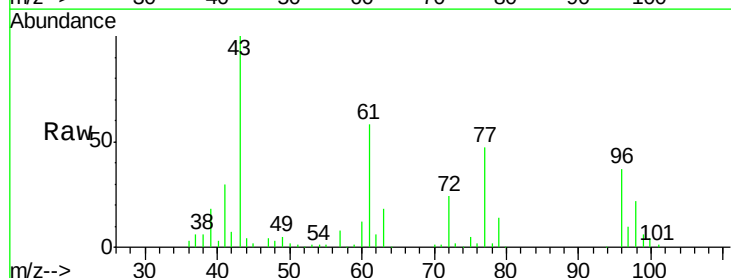
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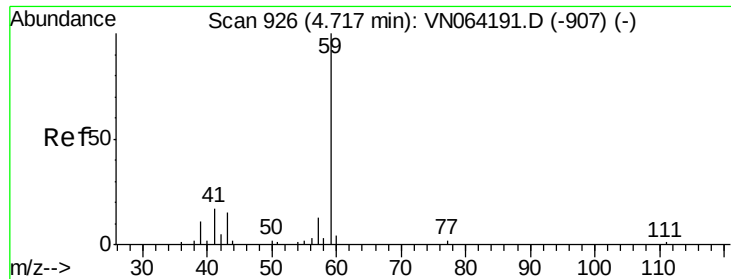
MMDadoda
 10/23/2020 3:36:50 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.445 ug/l m
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.3	126.2	189.4	
98	61.7	50.2	75.4	





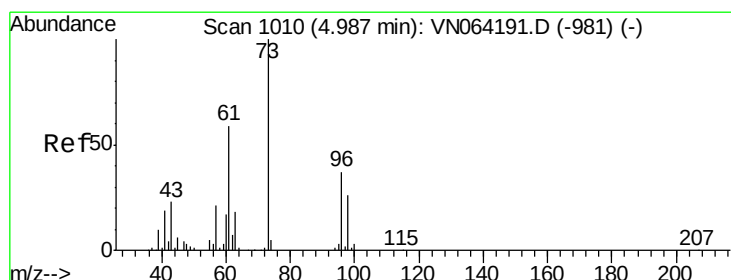
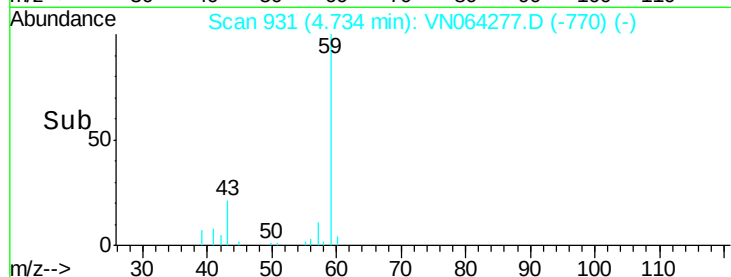
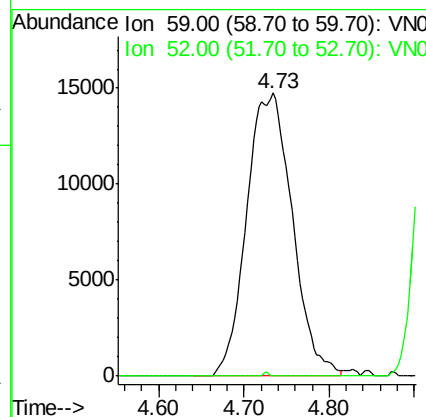
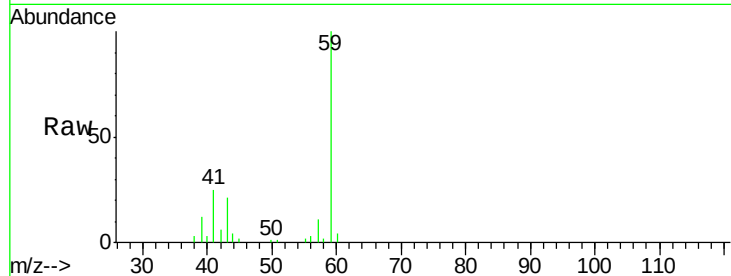
#23
 tert-Butyl Alcohol
 Concen: 104.803 ug/l m
 RT: 4.73 min Scan# 931
 Delta R.T. 0.02 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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

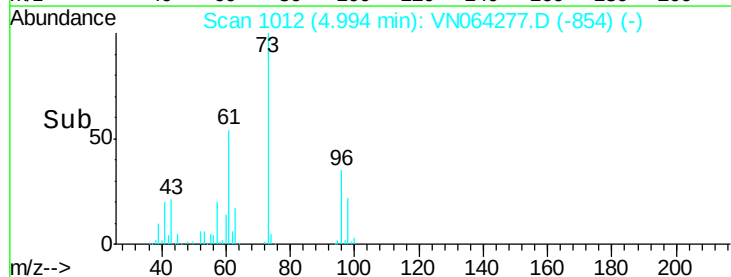
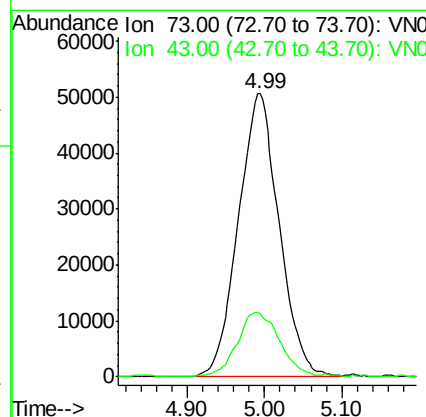
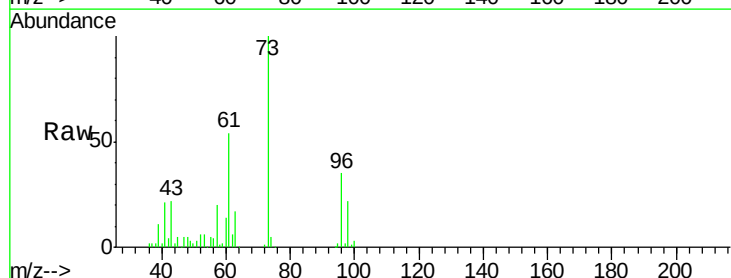
Manual Integrations
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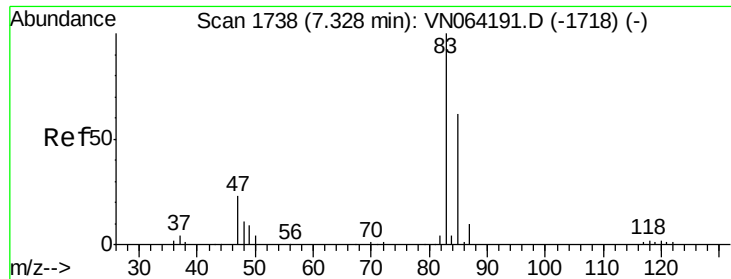
MMDadoda
 10/23/2020 3:36:50 PM



#24
 Methyl tert-Butyl Ether
 Concen: 21.012 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.01 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.8	18.2	27.2





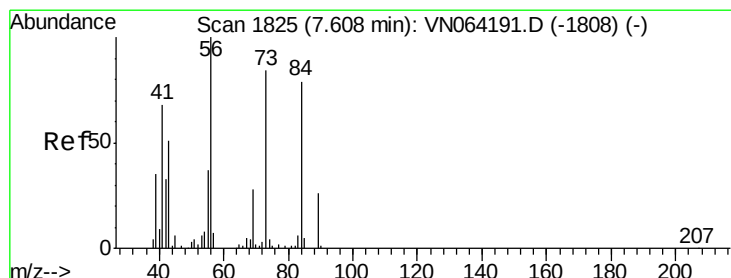
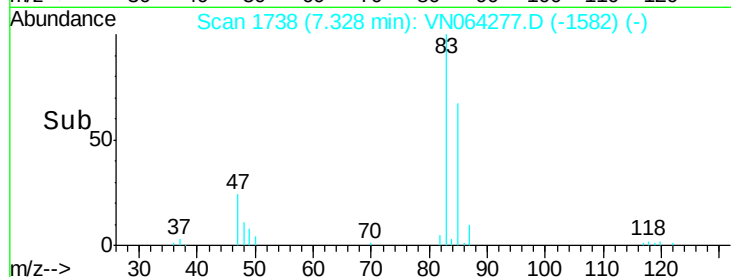
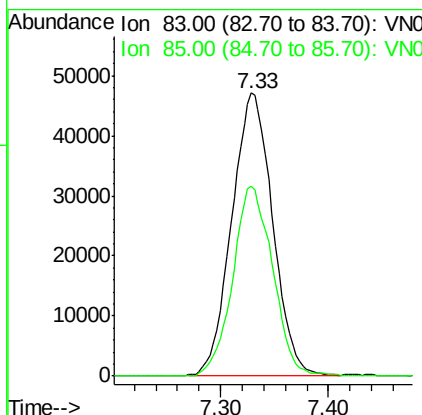
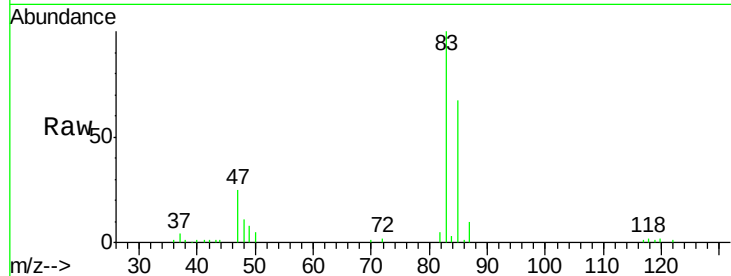
#25
Chloroform
Concen: 21.122 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	123003
Ion Ratio	100	Lower	Upper
83	100		
85	67.5	49.7	74.5

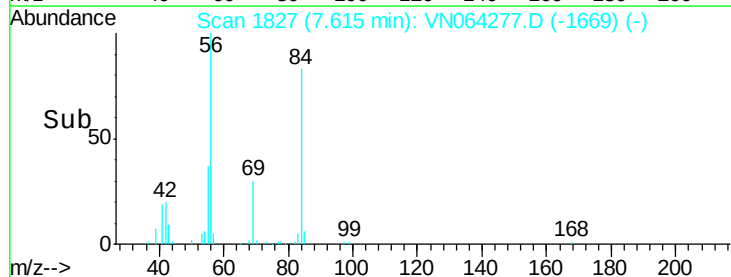
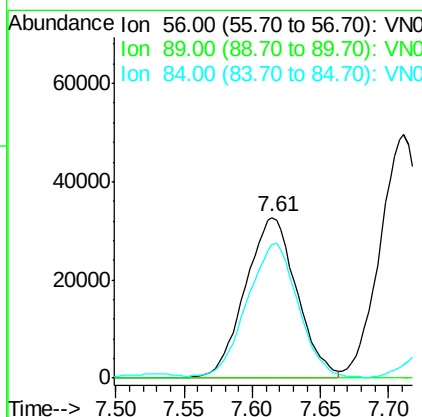
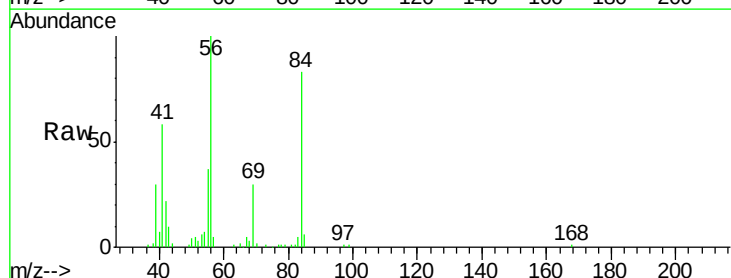
Manual Integrations
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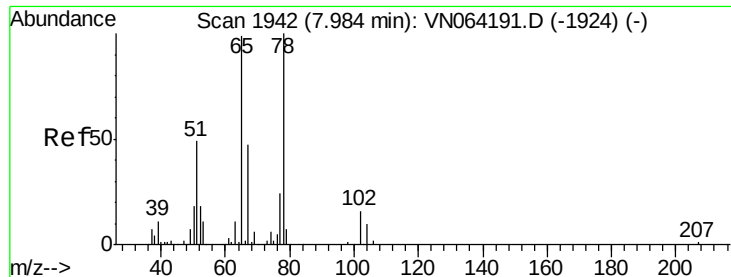
MMDadoda
10/23/2020 3:36:50 PM



#26
Cyclohexane
Concen: 19.290 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	56	Resp	85725
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	21.4	32.0#
84	81.4	65.8	98.6





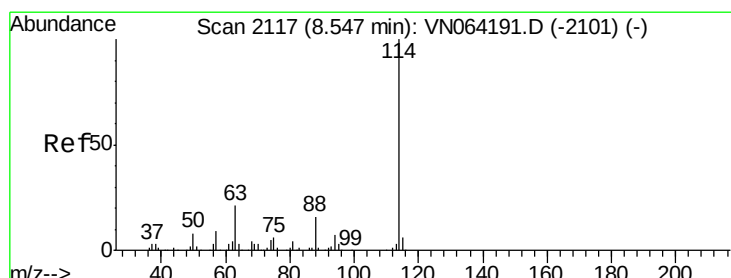
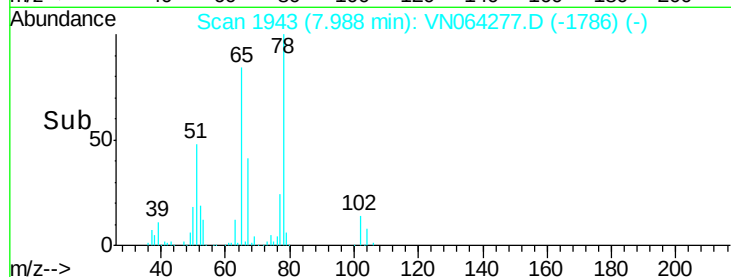
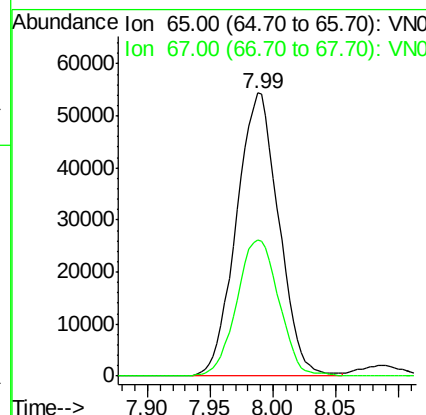
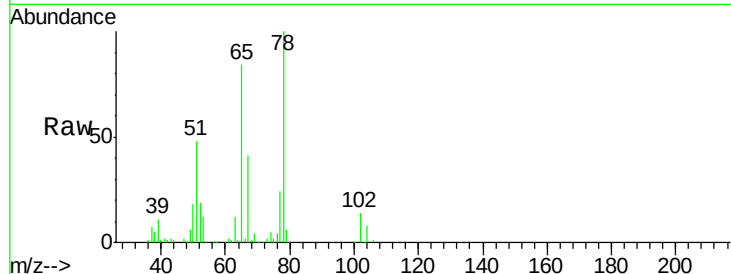
#27
 1,2-Dichloroethane-d4
 Concen: 33.360 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.0	39.8	59.6

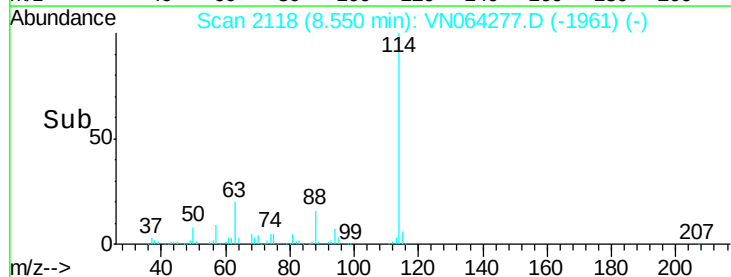
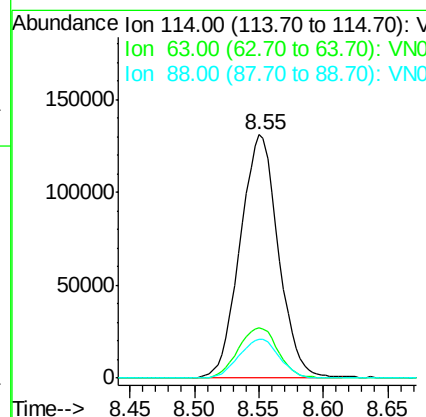
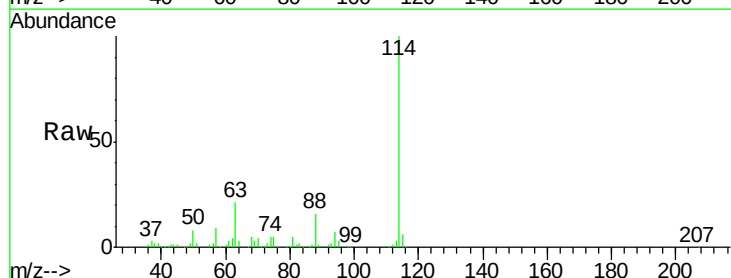
Manual Integrations
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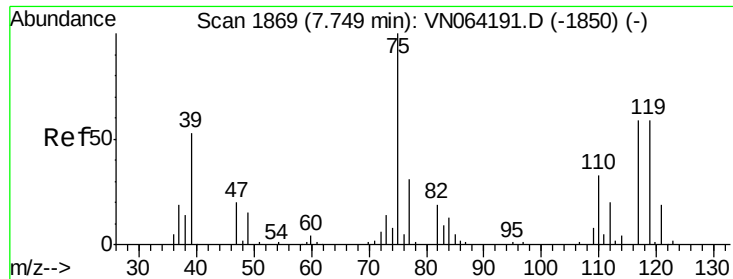
MMDadoda
 10/23/2020 3:36:50 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.6	17.0	25.4
88	16.8	13.0	19.4





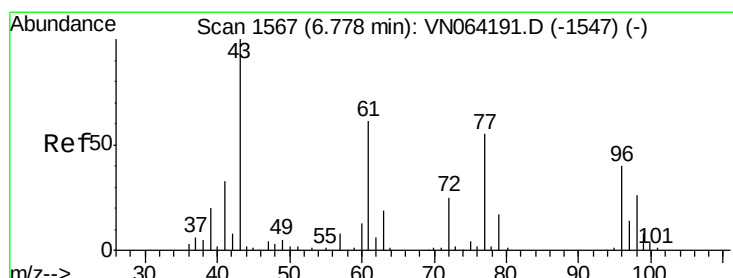
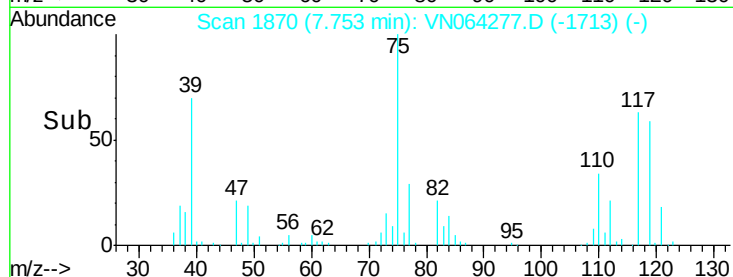
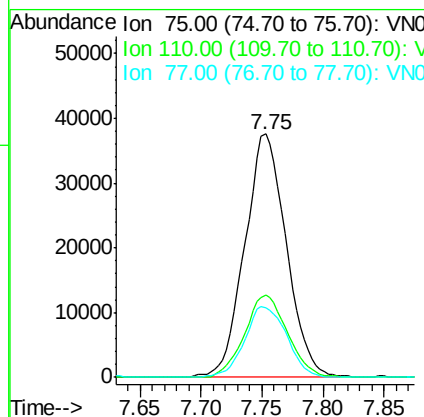
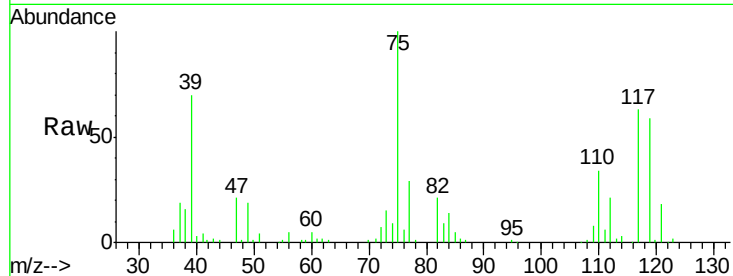
#29
 1,1-Dichloropropene
 Concen: 19.748 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.6	0.0	66.8
77	29.3	0.0	63.6

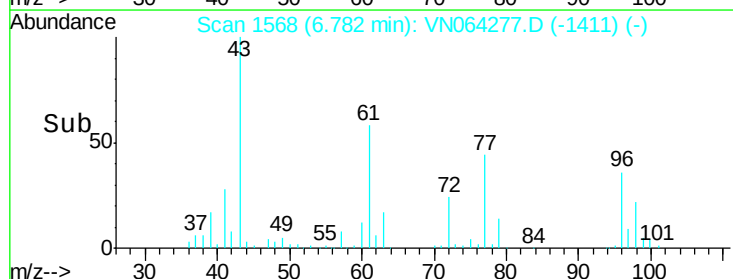
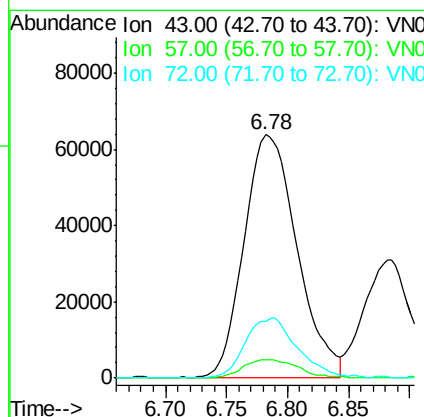
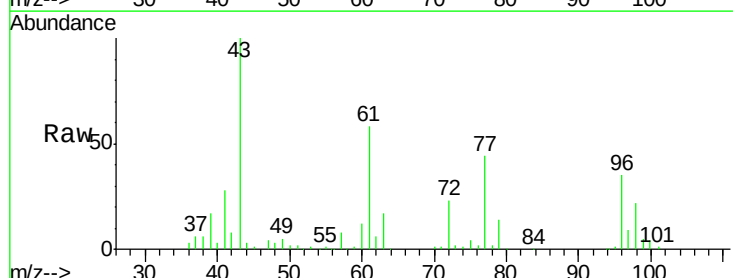
Manual Integrations
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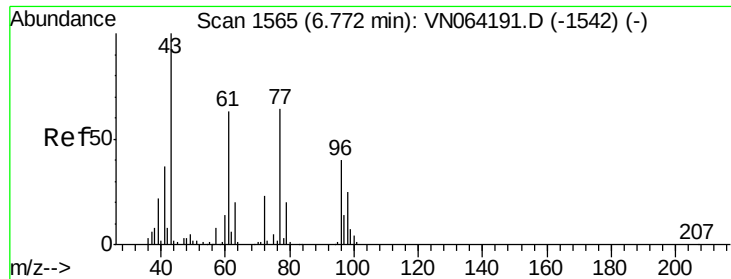
MMDadoda
 10/23/2020 3:36:50 PM



#30
 2-Butanone
 Concen: 103.492 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	5.8	8.6
72	24.2	19.8	29.8





#31

2,2-Dichloropropane

Concen: 15.925 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 77 Resp: 90762

Ion Ratio Lower Upper

77 100

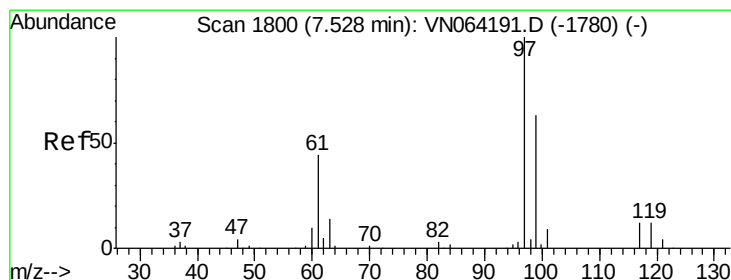
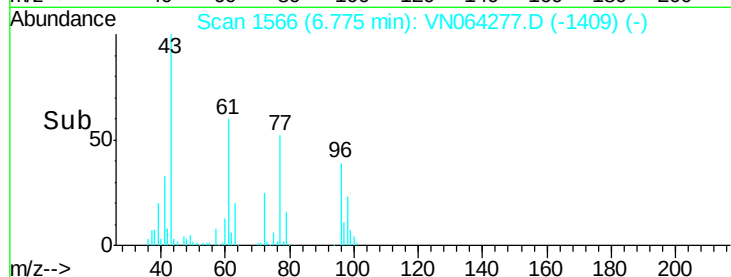
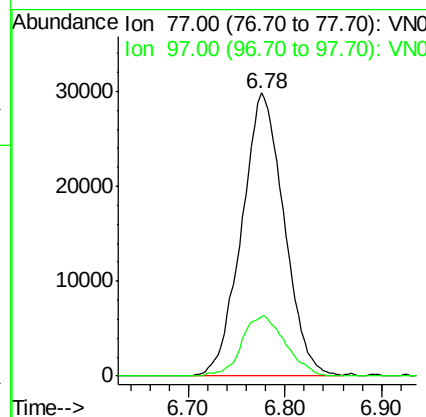
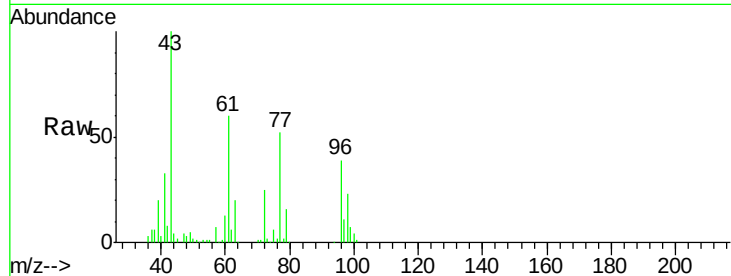
97 22.0 17.3 25.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.367 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

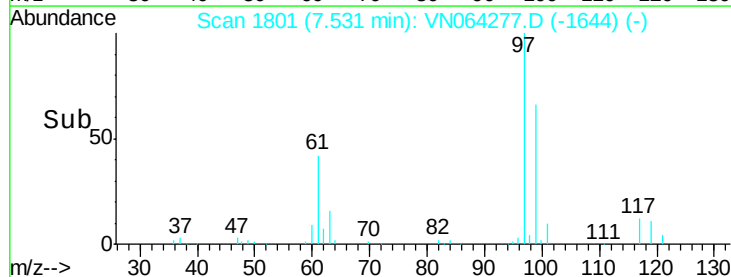
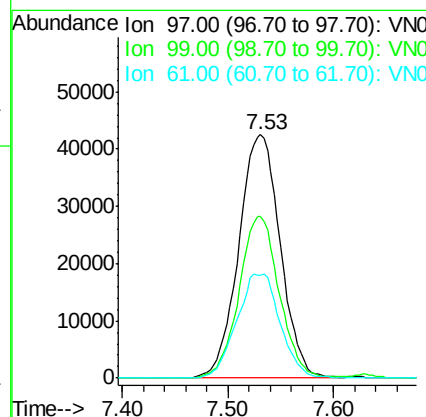
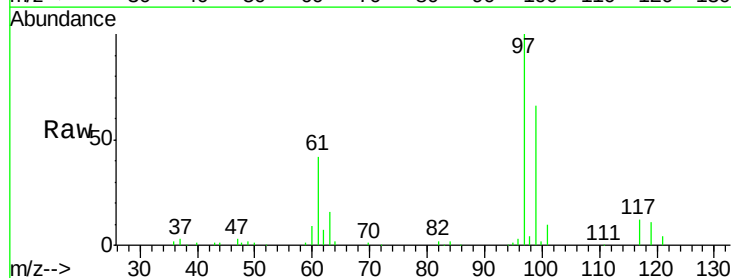
Tgt Ion: 97 Resp: 116495

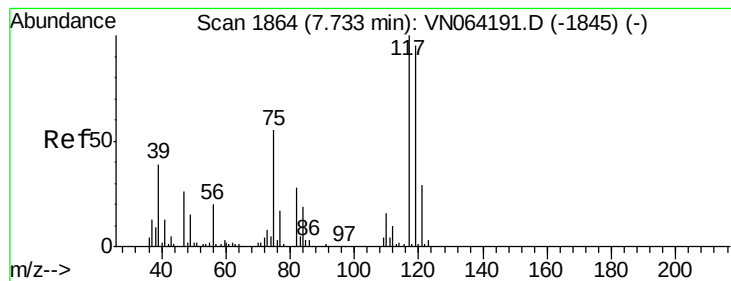
Ion Ratio Lower Upper

97 100

99 64.3 51.3 76.9

61 22.4 34.8 52.2#





#33

Carbon Tetrachloride

Concen: 20.645 ug/l

RT: 7.74 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

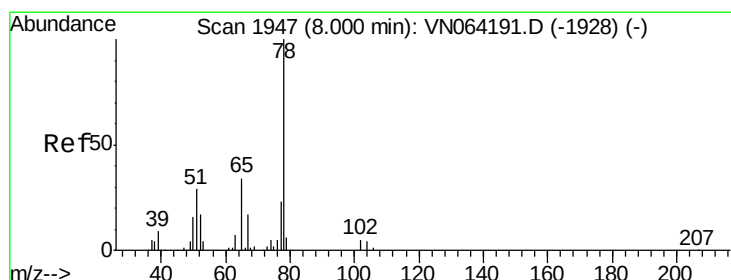
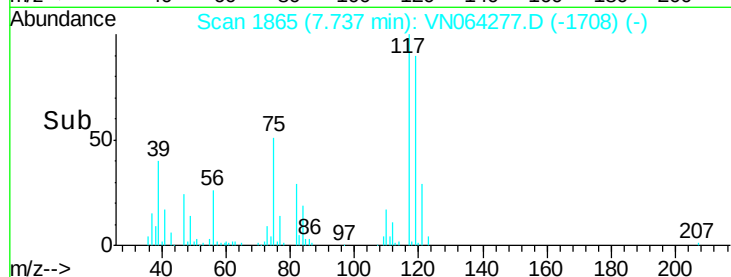
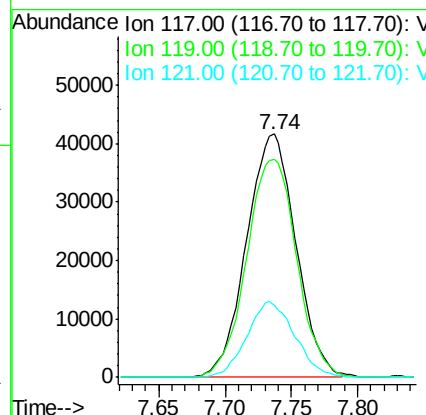
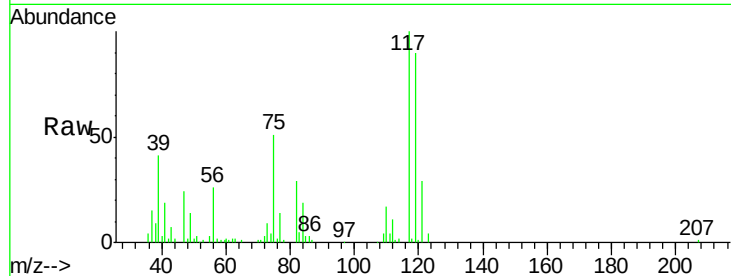
ClientSampleId :

VSTDCCC020EC

Tot Ion:	117	Resp:	107656
Ion Ratio	Lower	Upper	
117	100		
119	89.5	76.0	114.0
121	29.5	23.0	34.6

Manual Integrations
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#34

Benzene

Concen: 19.804 ug/l

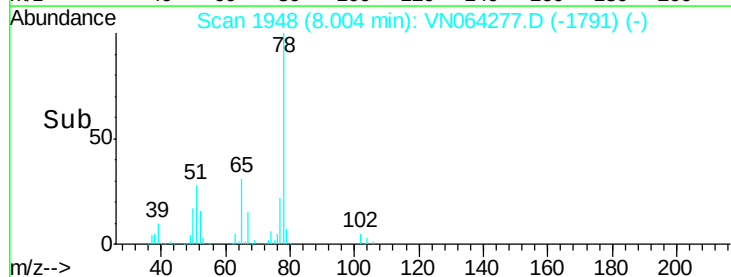
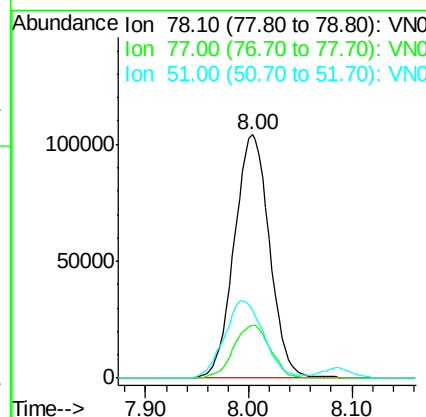
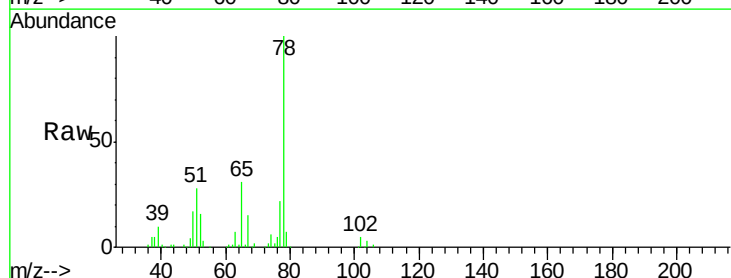
RT: 8.00 min Scan# 1948

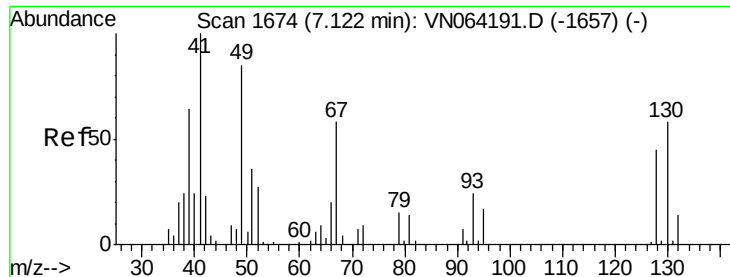
Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Tgt Ion:	78	Resp:	247576
Ion Ratio	Lower	Upper	
78	100		
77	21.9	18.4	27.6
51	27.8	23.0	34.6





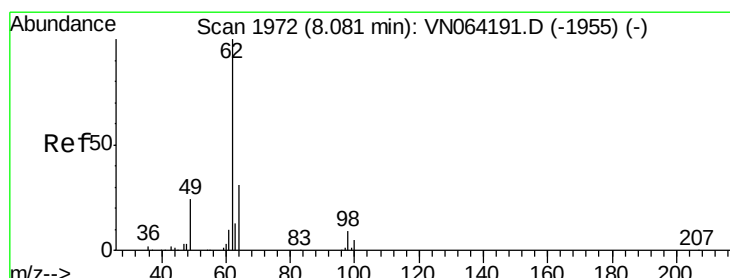
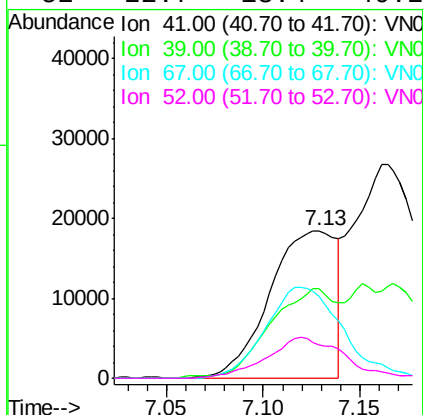
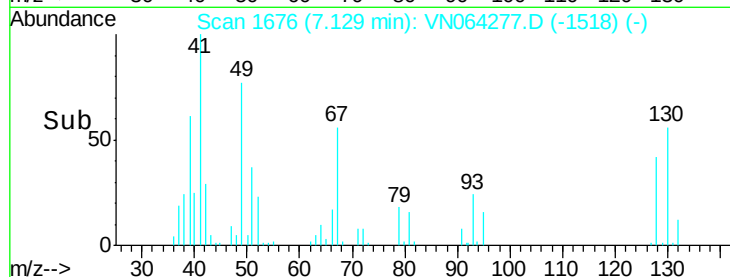
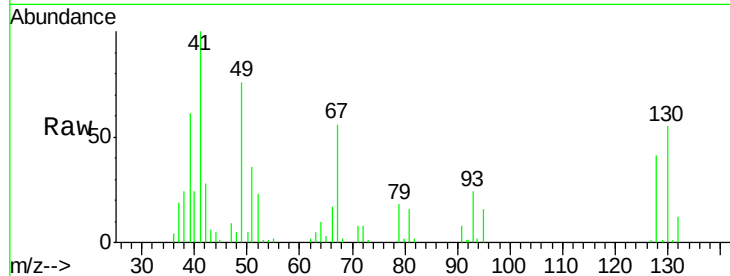
#35
Methacrylonitrile
Concen: 21.764 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	41	Resp	44195
Ion Ratio	Lower	Upper	
41	100		
39	59.2	32.1	96.3
67	55.5	28.9	86.8
52	22.7	13.4	40.2

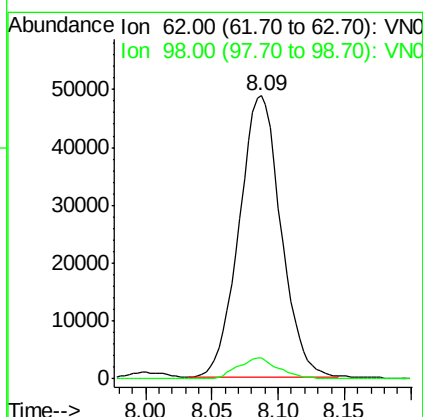
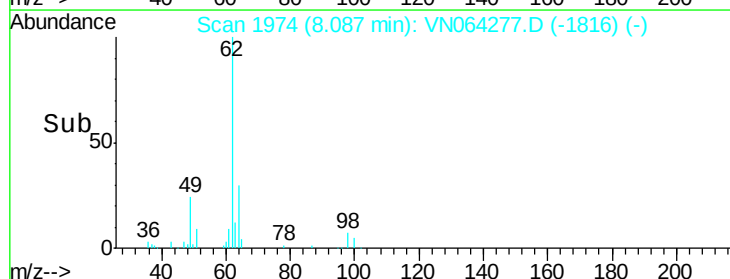
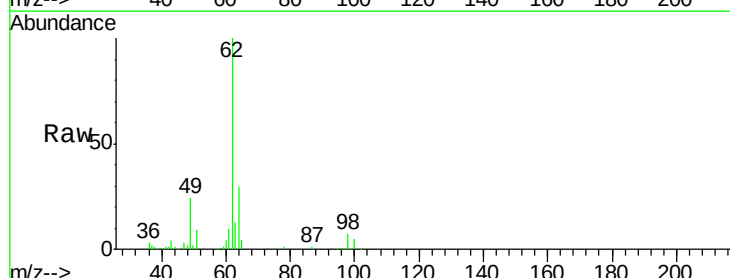
Manual Integrations
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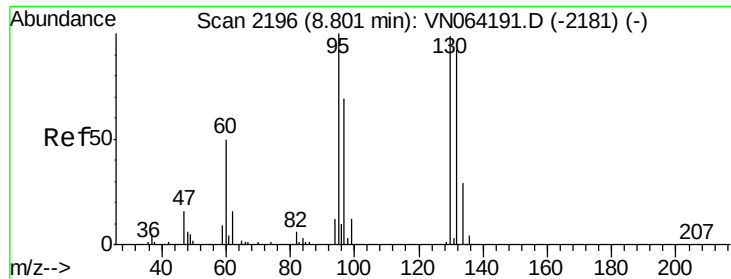
MMDadoda
10/23/2020 3:36:50 PM



#36
1,2-Dichloroethane
Concen: 21.165 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	62	Resp	107015
Ion Ratio	Lower	Upper	
62	100		
98	7.3	6.3	9.5





#37

Trichloroethene

Concen: 20.667 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 71136

Ion Ratio Lower Upper

130 100

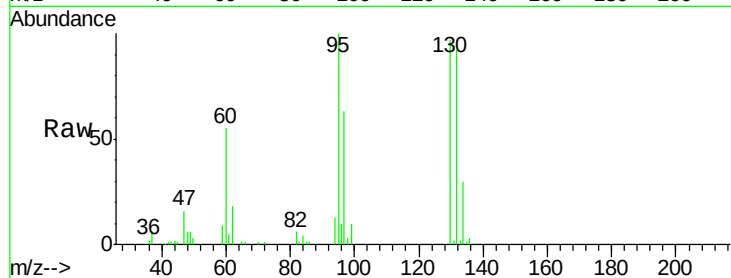
95 103.1 81.0 121.4

Manual Integrations

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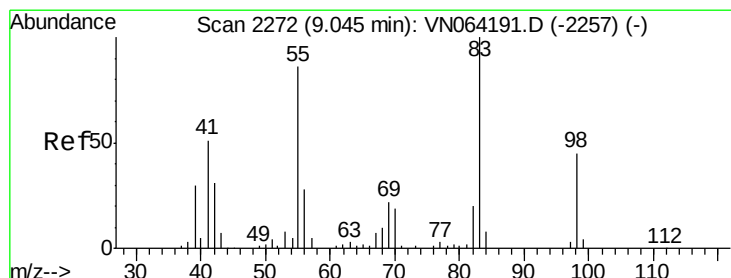
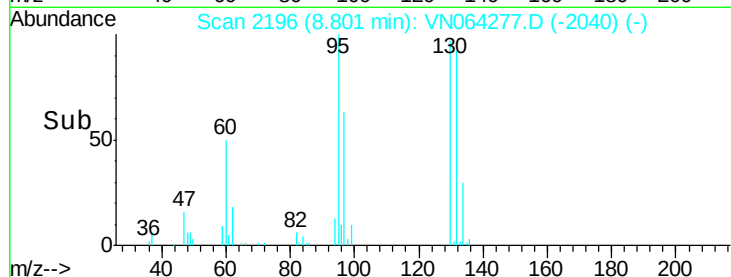
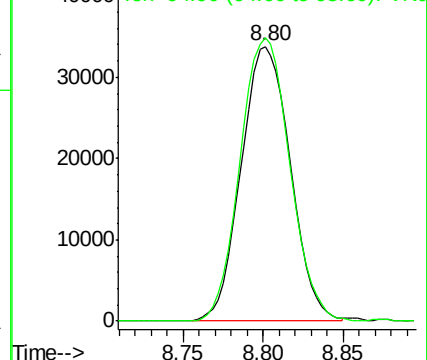
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 18.892 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

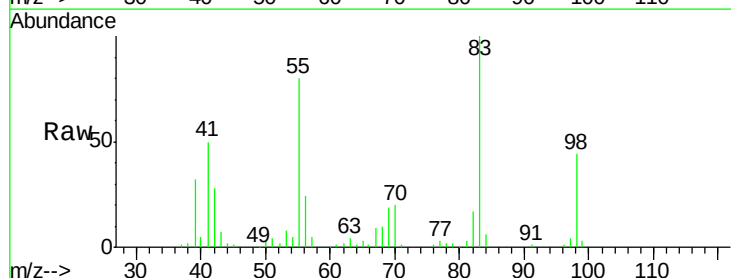
Tgt Ion: 83 Resp: 81115

Ion Ratio Lower Upper

83 100

55 79.4 40.3 120.9

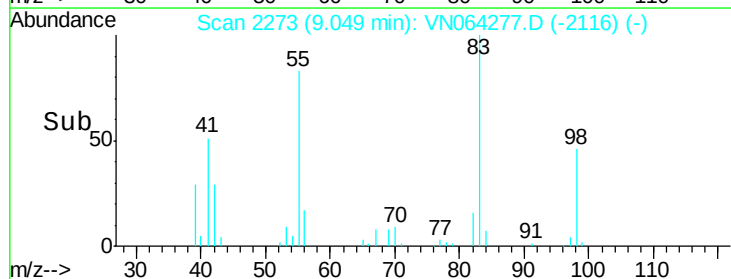
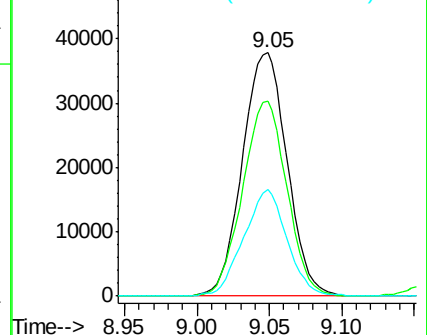
98 41.9 22.4 67.0

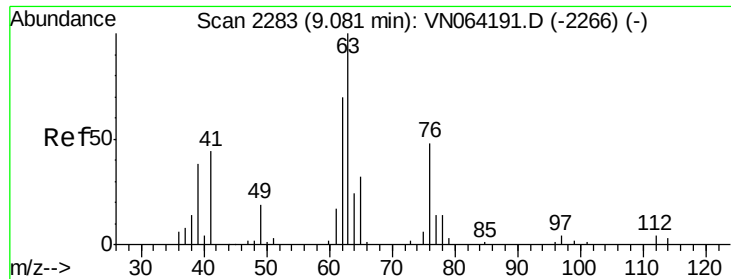


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





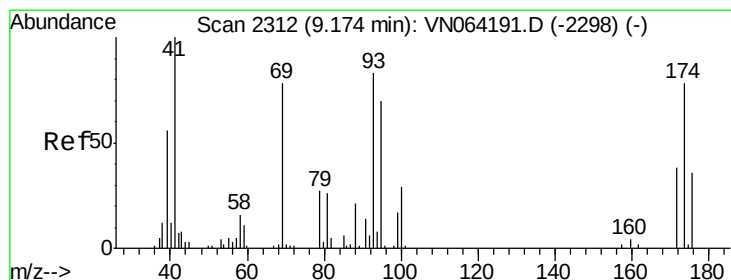
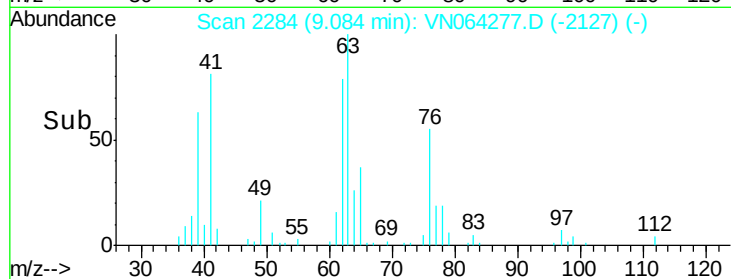
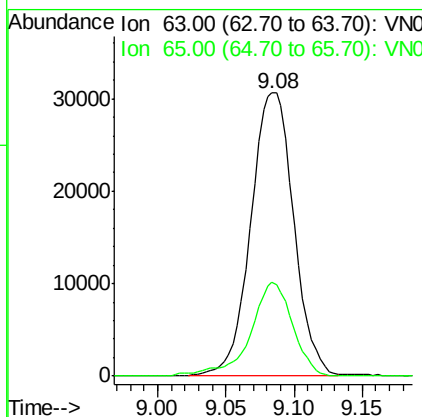
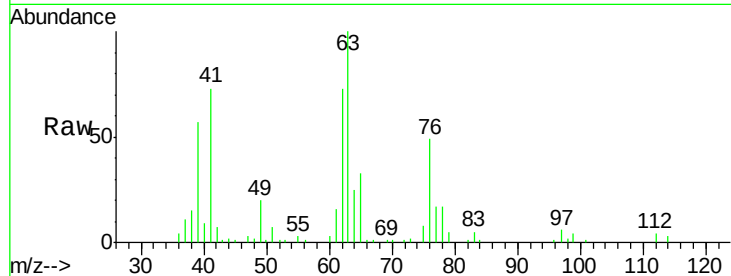
#39
 1,2-Dichloropropane
 Concen: 20.096 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 67041
 Ion Ratio Lower Upper
 63 100
 65 33.2 26.5 39.7

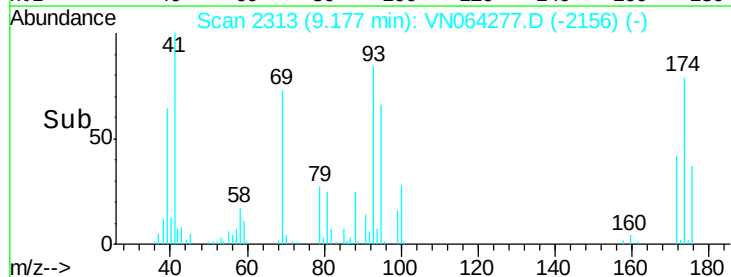
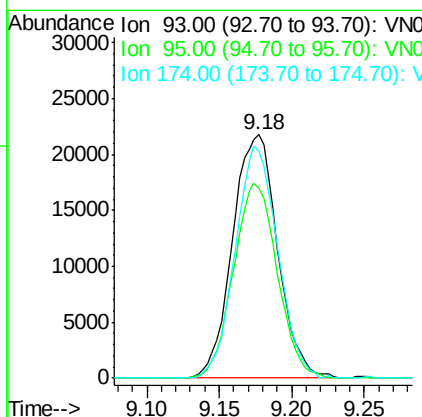
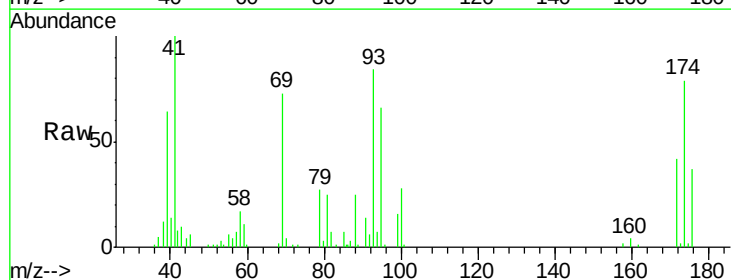
Manual Integrations
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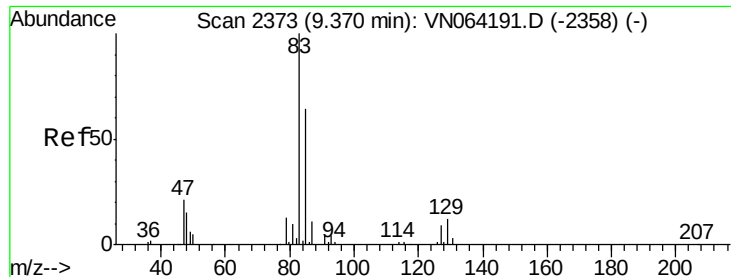
MMDadoda
 10/23/2020 3:36:50 PM



#40
 Dibromomethane
 Concen: 20.240 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion: 93 Resp: 46982
 Ion Ratio Lower Upper
 93 100
 95 77.7 0.0 169.2
 174 89.7 0.0 187.4





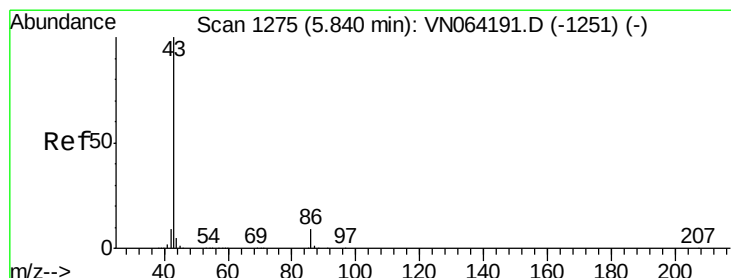
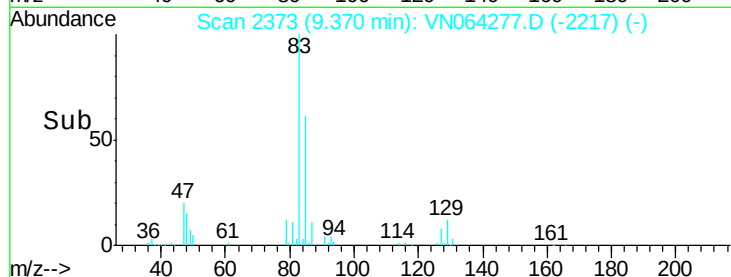
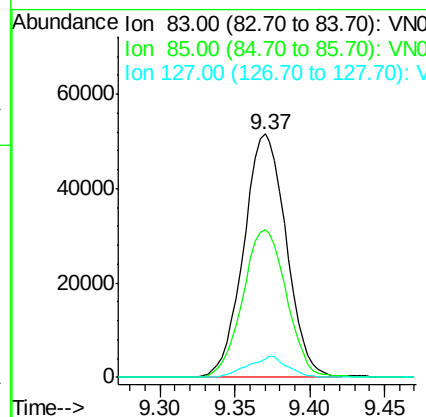
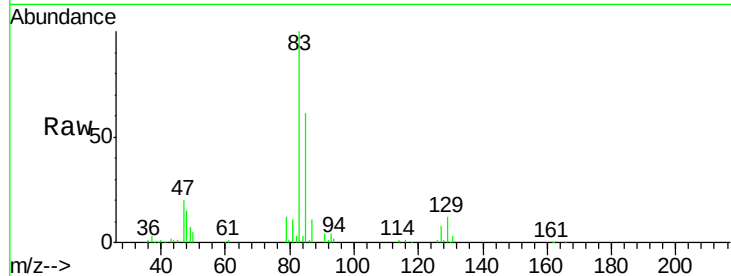
#41
Bromodichloromethane
Concen: 20.334 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	102149
Ion Ratio	100		Upper
85	60.7	51.5	77.3
127	7.6	6.8	10.2

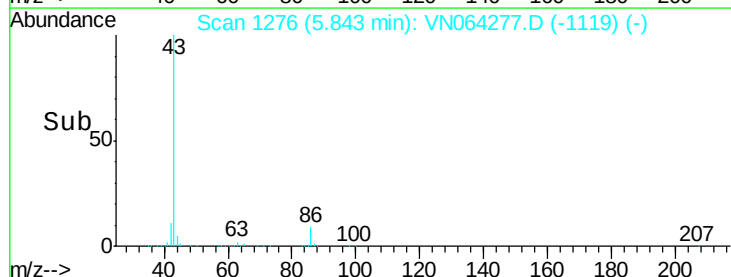
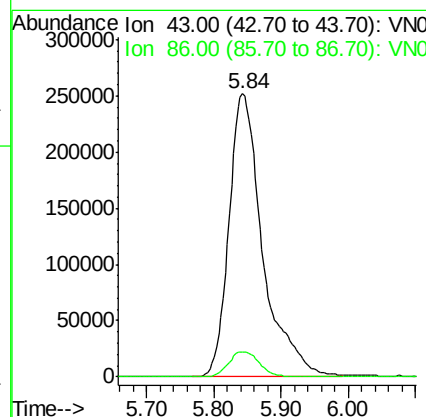
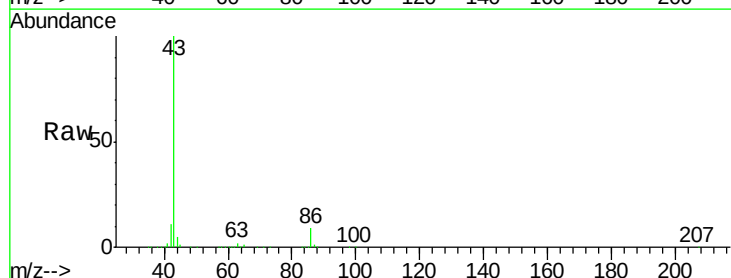
Manual Integrations
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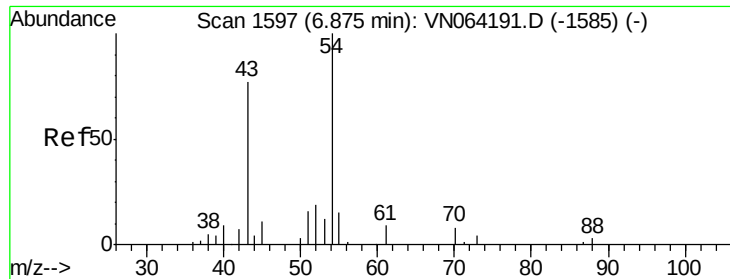
MMDadoda
10/23/2020 3:36:50 PM



#42
Vinyl Acetate
Concen: 100.166 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	43	Resp	880330
Ion Ratio	100		Upper
86	8.1	6.7	10.1





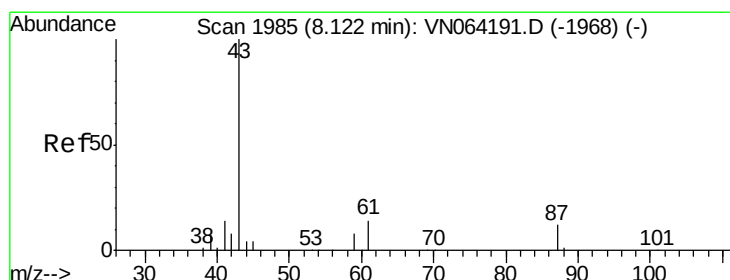
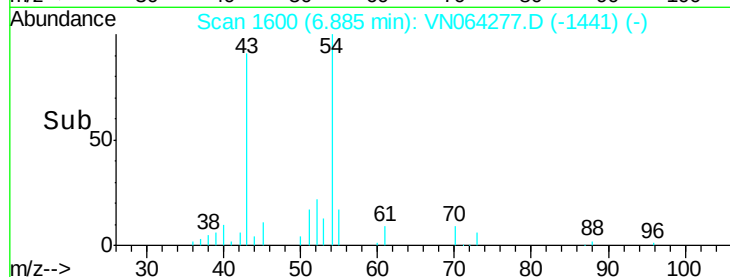
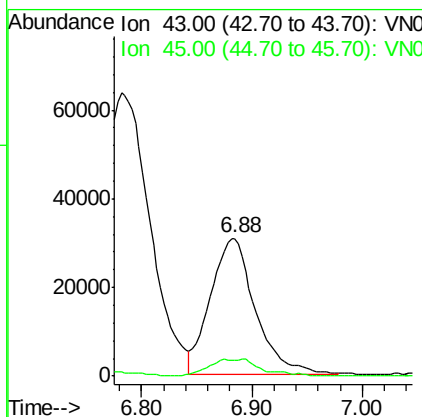
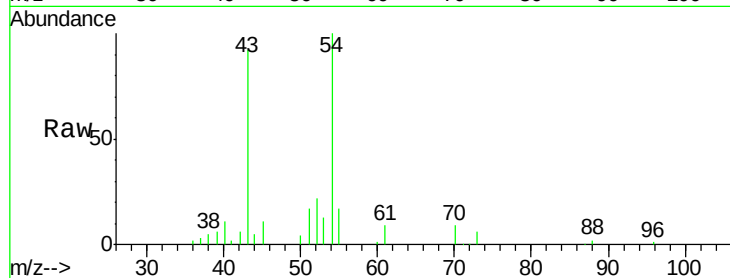
#43
Ethyl Acetate
Concen: 21.411 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 86569
Ion Ratio Lower Upper
43 100
45 6.7 9.8 14.8#

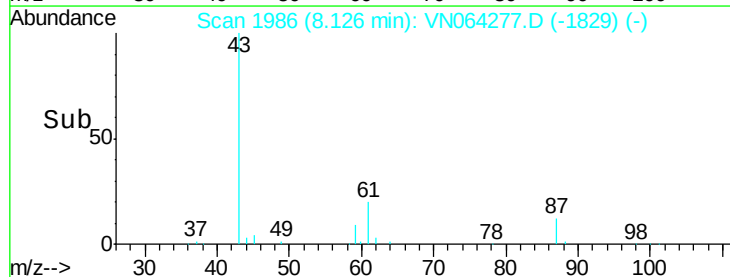
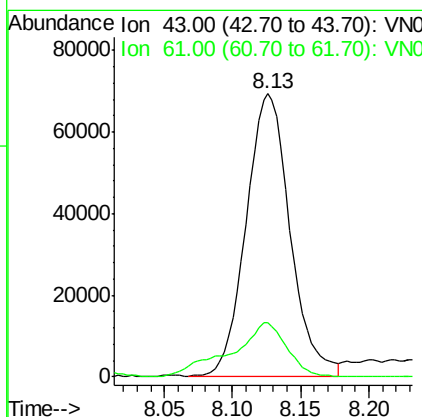
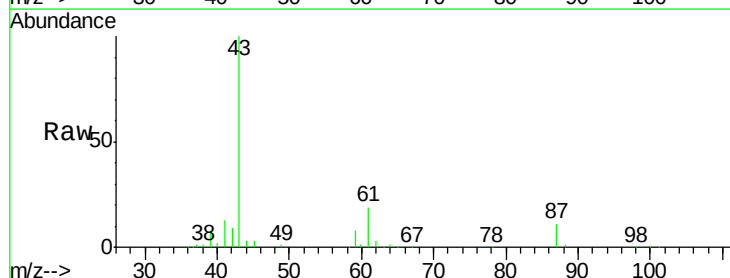
Manual Integrations
APPROVED

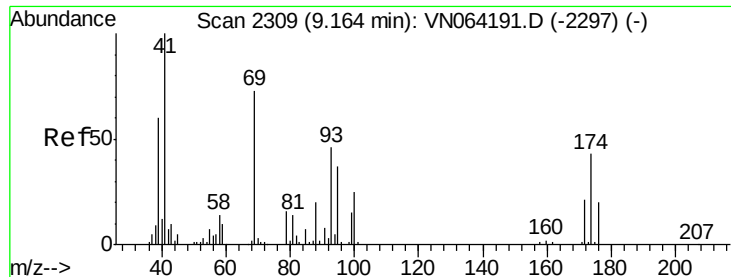
MMDadoda
10/23/2020 3:36:50 PM



#44
Isopropyl Acetate
Concen: 19.876 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion: 43 Resp: 154284
Ion Ratio Lower Upper
43 100
61 24.7 18.7 28.1





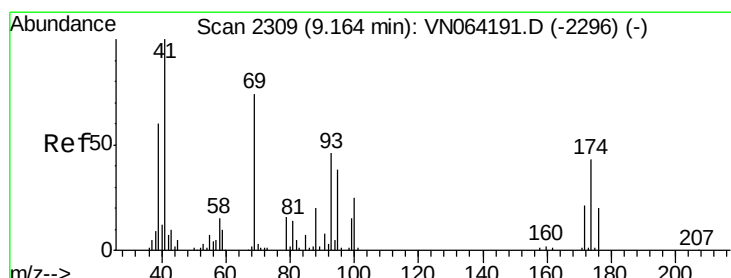
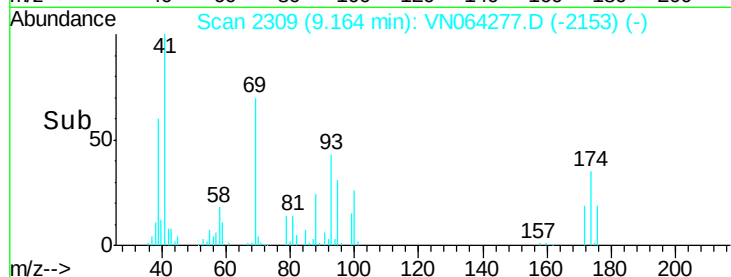
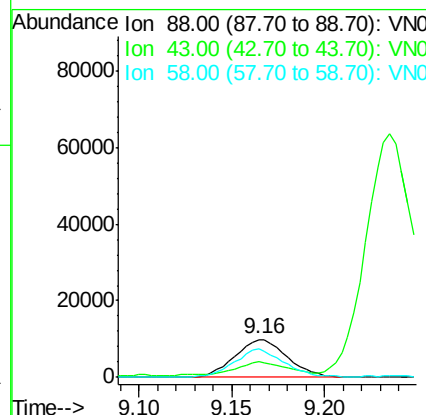
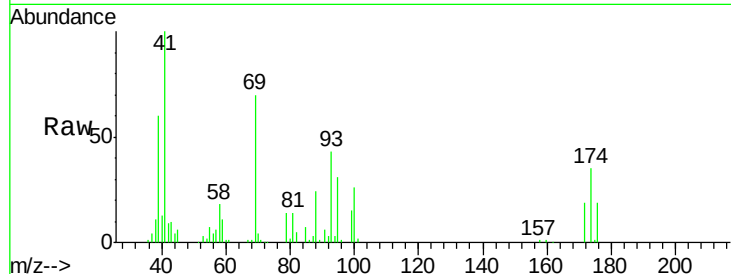
#45
1,4-Dioxane
Concen: 426.690 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	37.0	55.4#
58	71.0	62.4	93.6

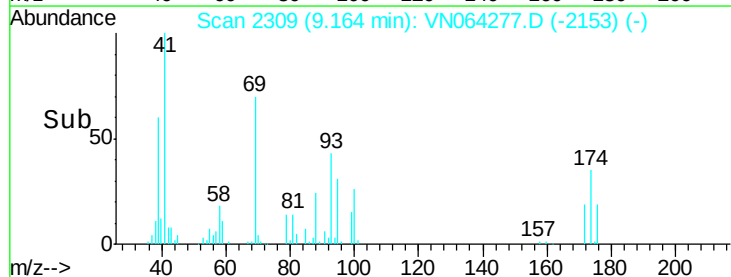
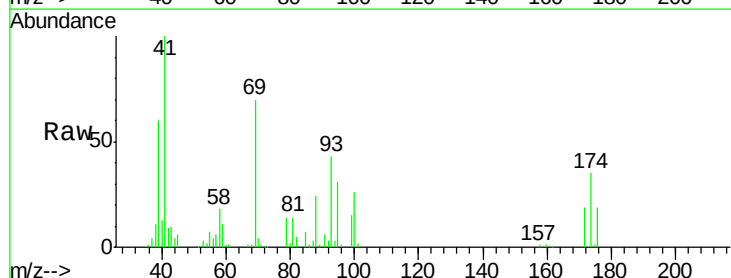
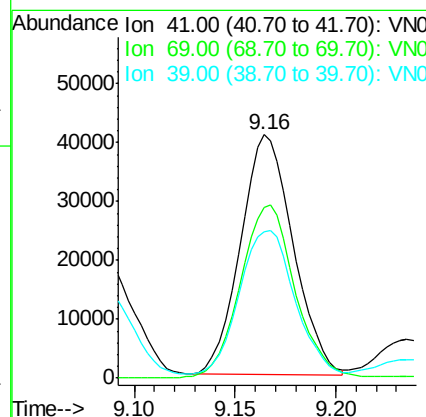
Manual Integrations
APPROVED

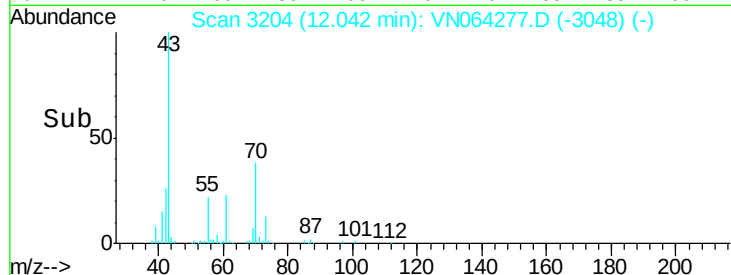
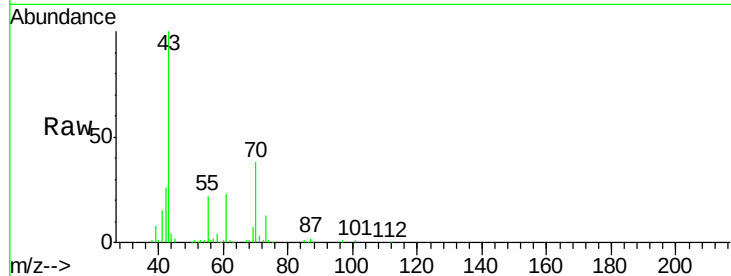
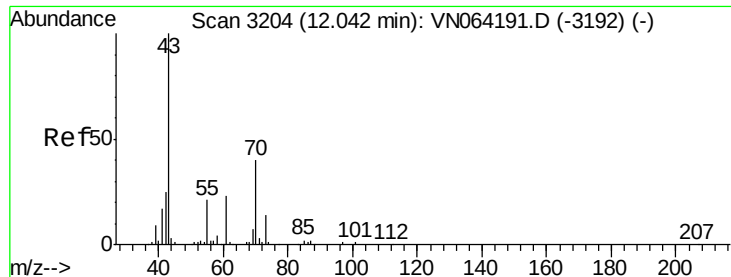
MMDadoda
10/23/2020 3:36:50 PM



#46
Methyl methacrylate
Concen: 20.058 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	70.3	36.8	110.4
39	59.3	30.4	91.2





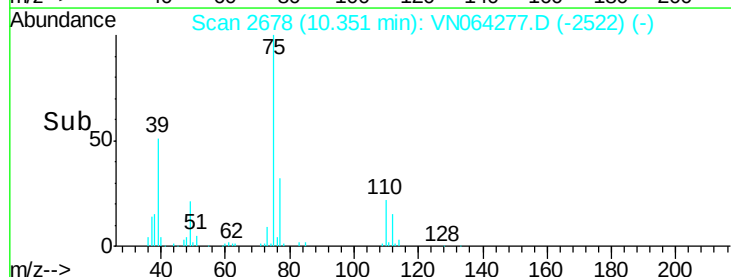
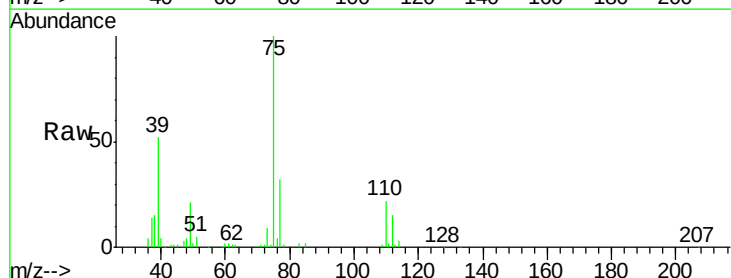
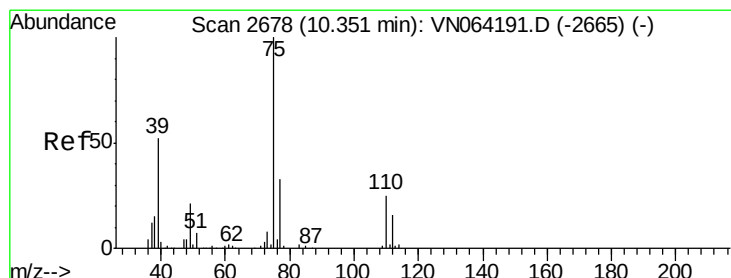
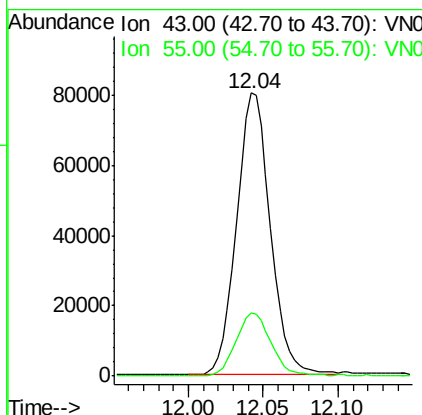
#47
n-amvl Acetate
Concen: 18.349 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tot Ion: 43 Resp: 126354
Ion Ratio Lower Upper
43 100
55 23.3 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

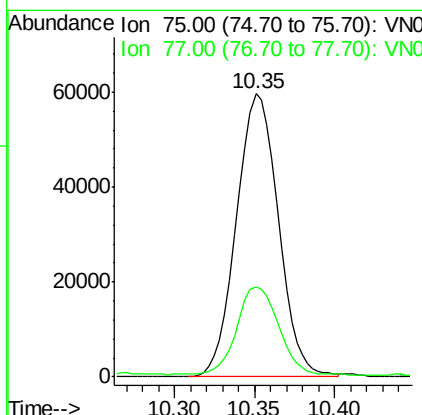
Manual Integrations
APPROVED

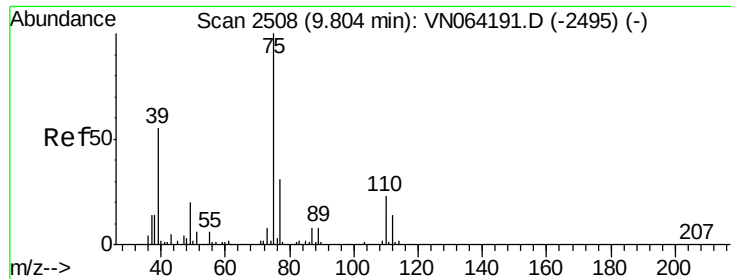
MMDadoda
10/23/2020 3:36:50 PM



#48
t-1,3-Dichloropropene
Concen: 18.859 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion: 75 Resp: 106847
Ion Ratio Lower Upper
75 100
77 31.0 27.4 41.2





#49

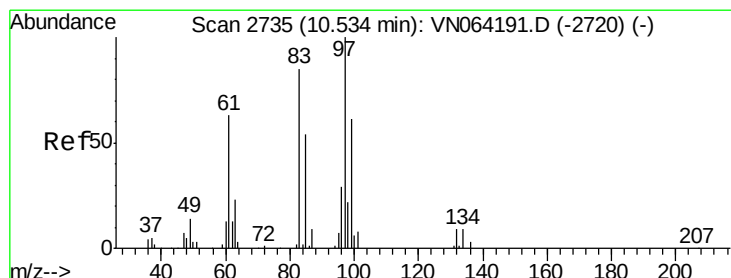
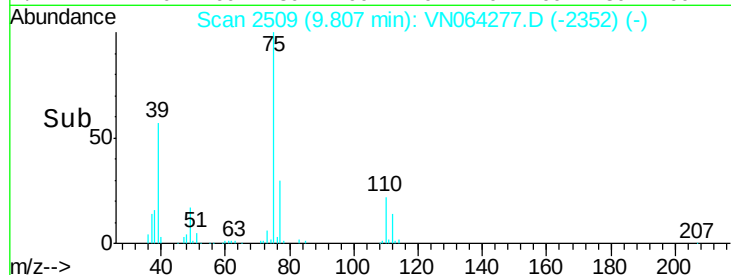
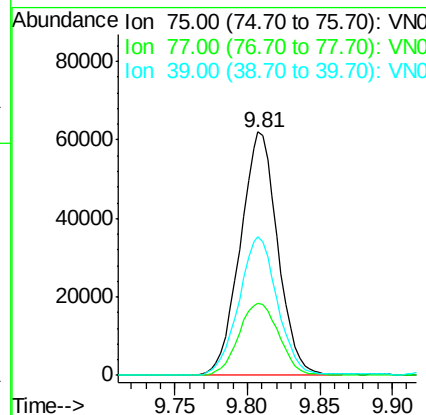
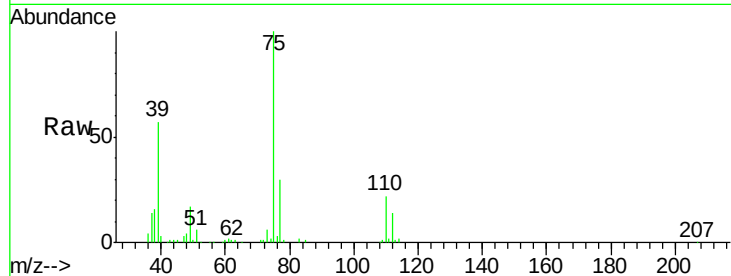
cis-1,3-Dichloropropene
 Concen: 19.017 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.5	36.7
39	57.1	43.8	65.8

Manual Integrations
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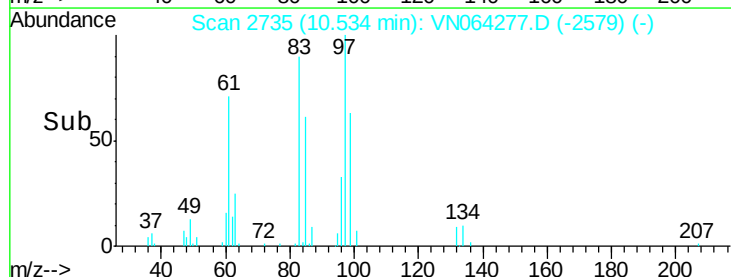
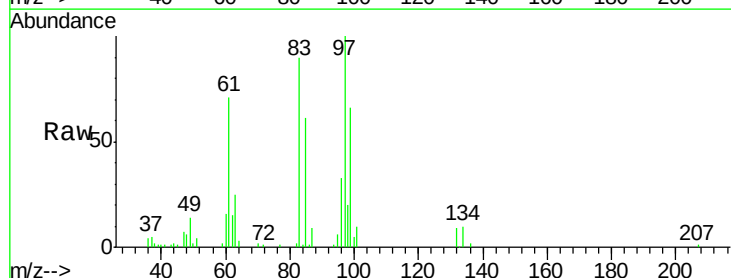
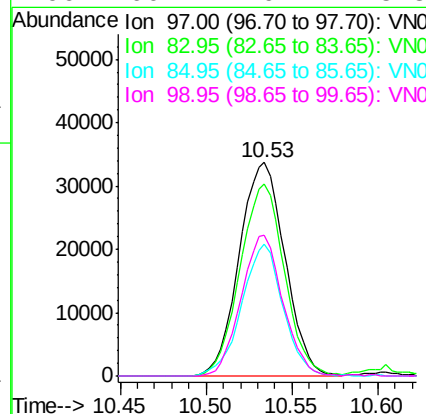
MMDadoda
 10/23/2020 3:36:50 PM

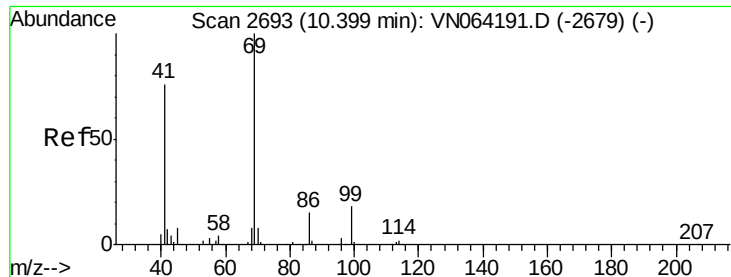


#50

1,1,2-Trichloroethane
 Concen: 20.049 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	67.7	101.5
85	61.5	43.2	64.8
99	66.1	49.2	73.8





#51

Ethyl methacrylate

Concen: 18.959 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

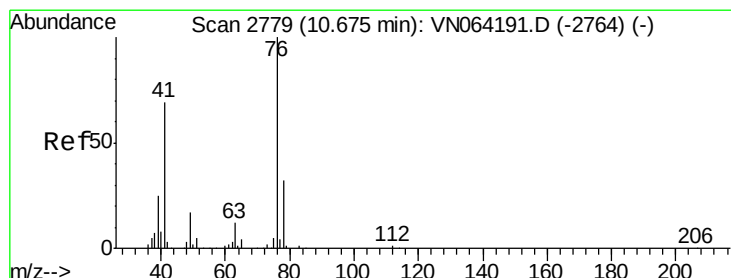
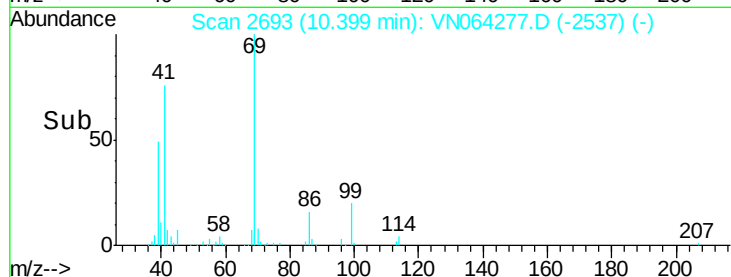
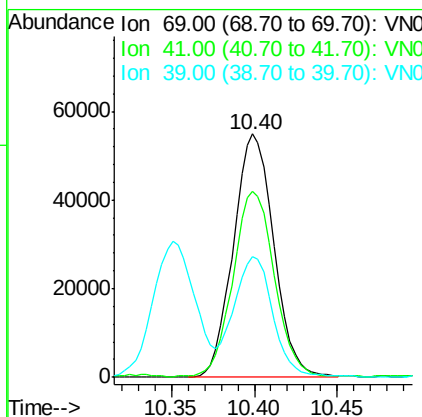
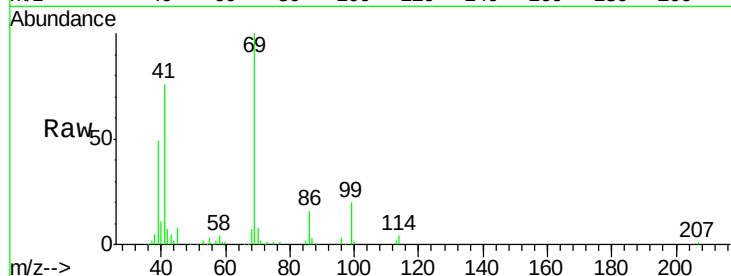
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	93230
Ion Ratio	Lower	Upper	
69	100		
41	75.9	38.0	114.1
39	48.8	21.4	64.3

Manual Integrations
APPROVED

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10/23/2020 3:36:50 PM



#52

1,3-Dichloropropane

Concen: 20.468 ug/l

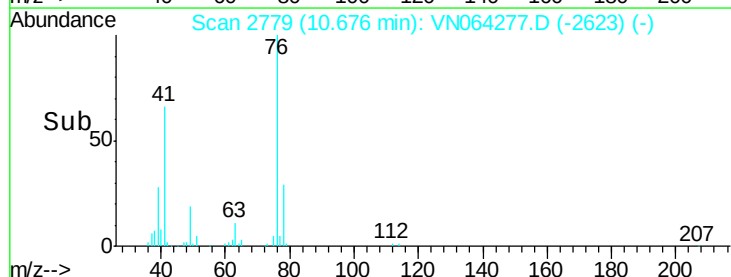
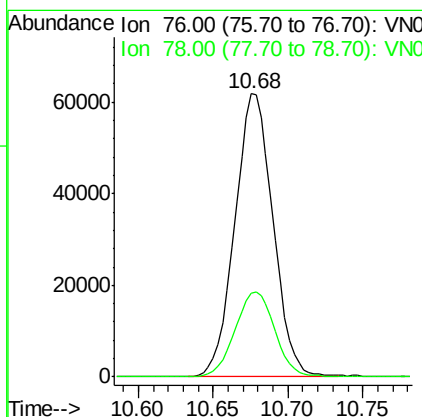
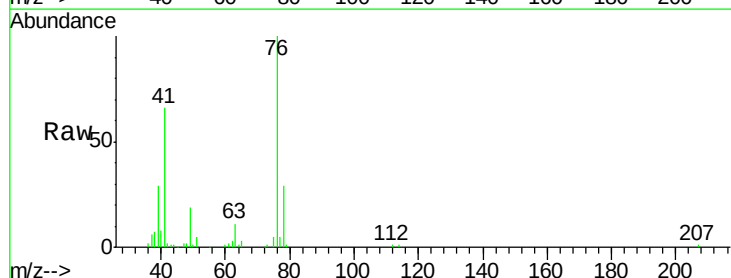
RT: 10.68 min Scan# 2779

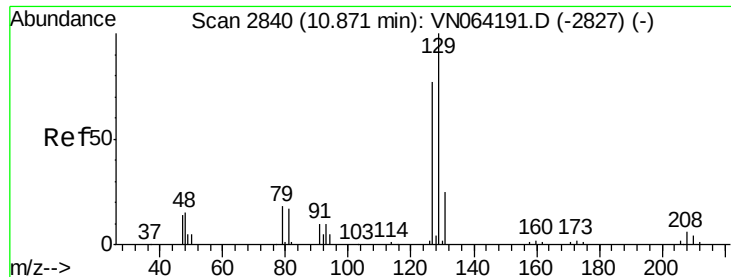
Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Tgt Ion:	76	Resp:	109733
Ion Ratio	Lower	Upper	
76	100		
78	31.1	0.0	64.4





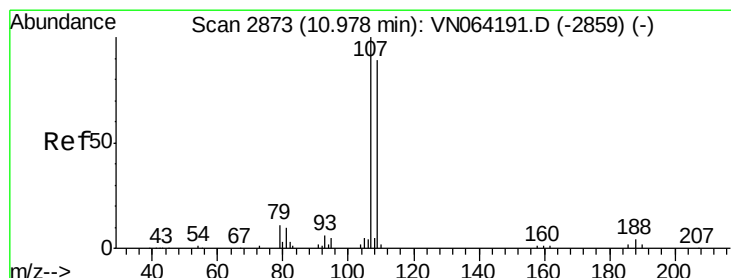
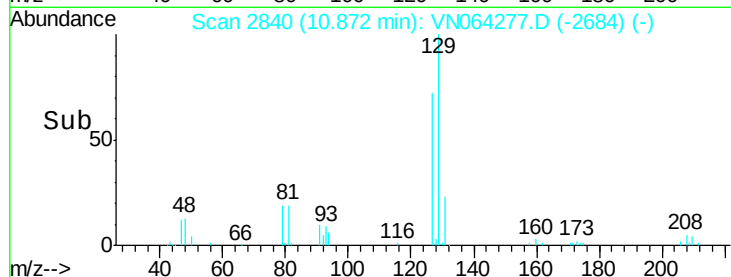
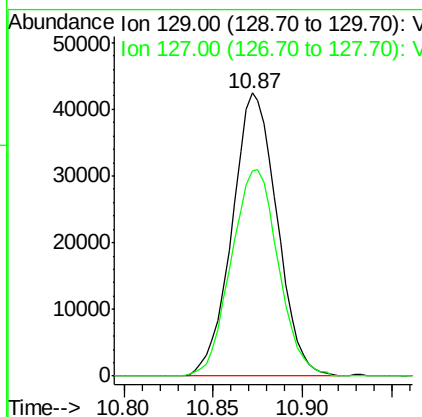
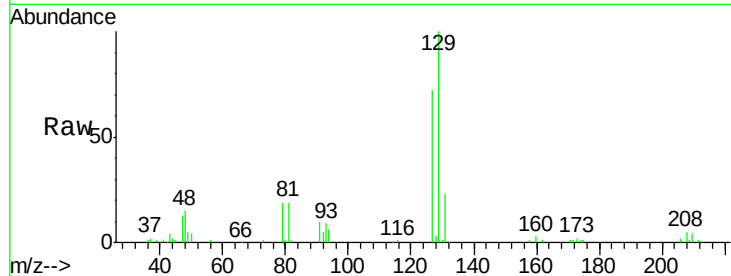
#53
 Dibromochloromethane
 Concen: 19.061 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.4	39.0	117.0

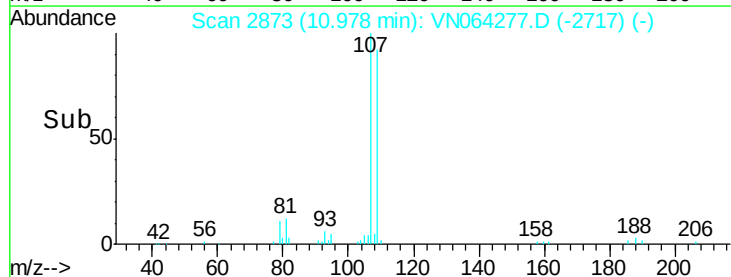
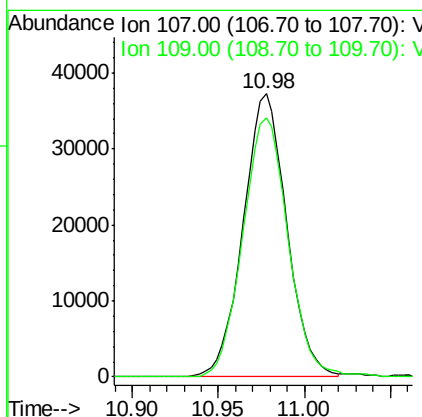
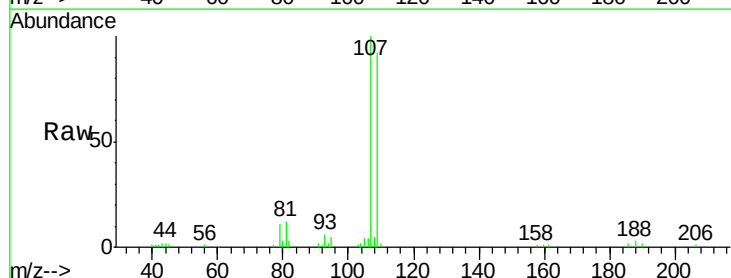
Manual Integrations
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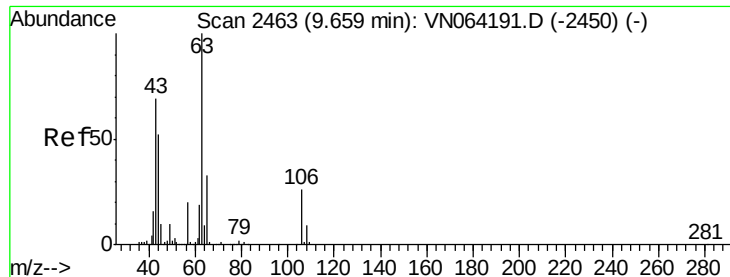
MMDadoda
 10/23/2020 3:36:50 PM



#54
 1,2-Dibromoethane
 Concen: 19.779 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	71.8	107.8





#55

2-Chloroethyl vinyl ether

Concen: 92.213 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 222859

Ion Ratio Lower Upper

63 100

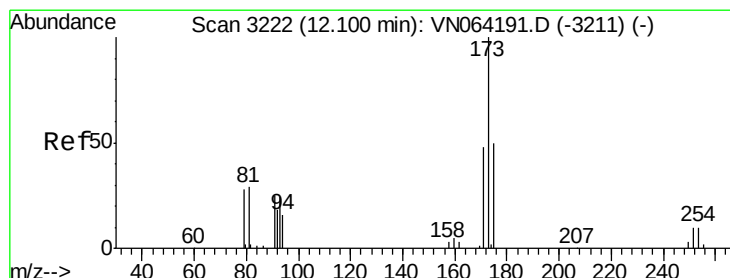
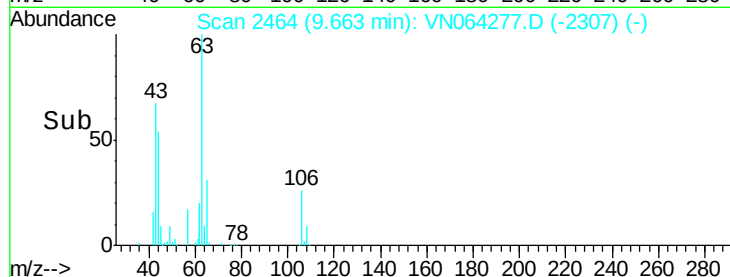
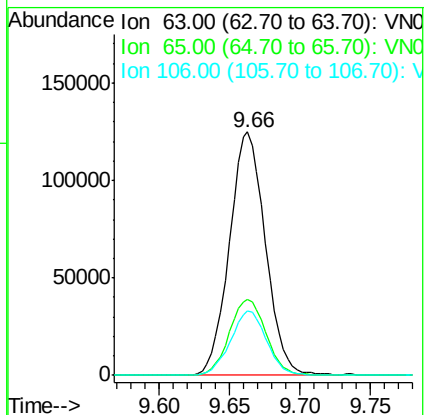
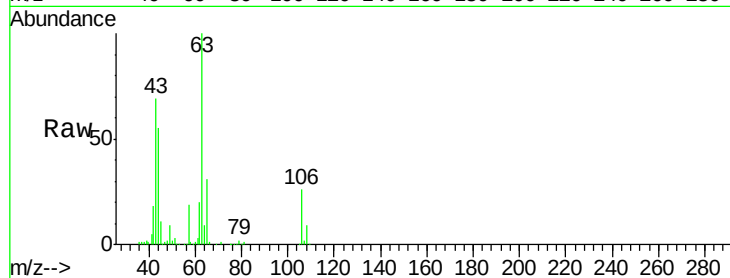
65 31.8 25.9 38.9

106 26.5 21.4 32.2

Manual Integrations
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MMDadoda

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#56

Bromoform

Concen: 18.545 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

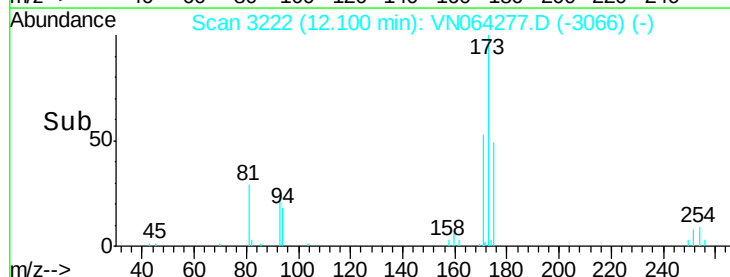
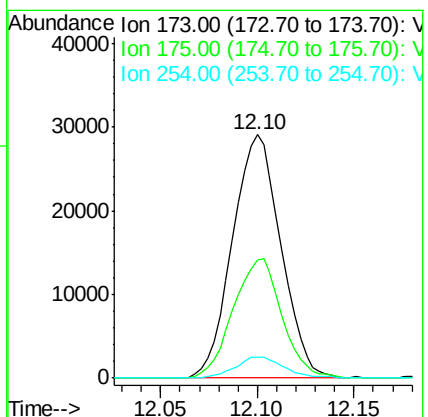
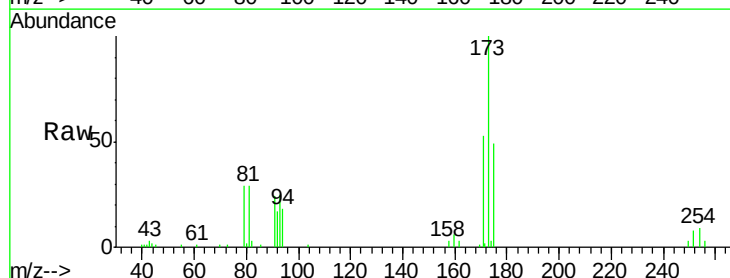
Tgt Ion: 173 Resp: 50549

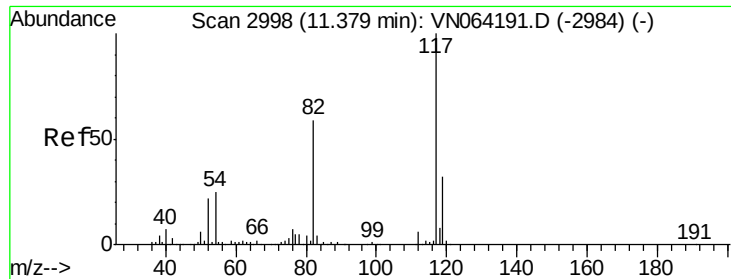
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 8.5 6.8 10.2





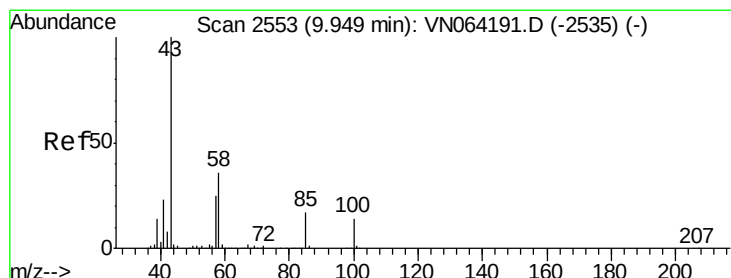
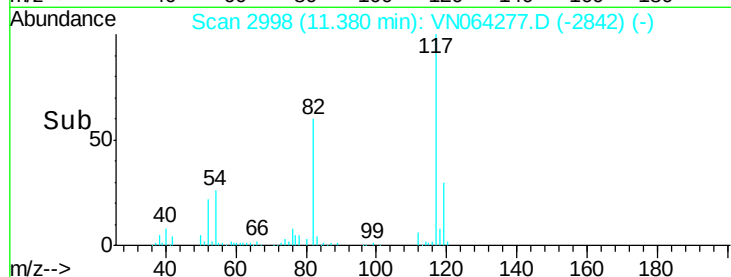
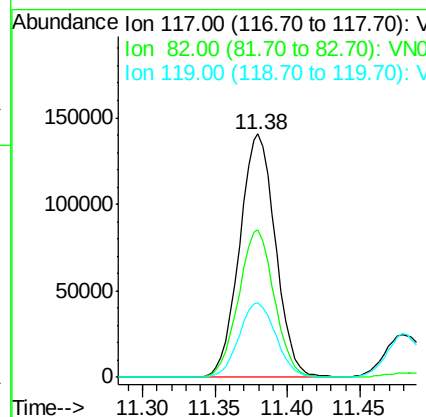
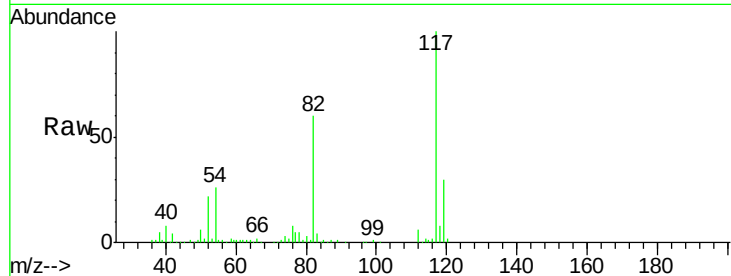
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.8	71.8
119	31.3	25.7	38.5

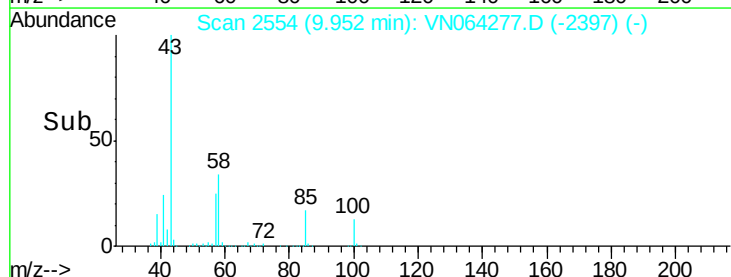
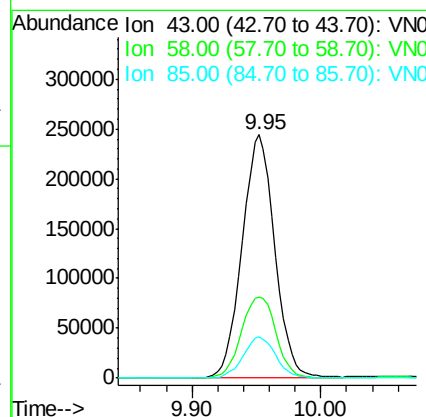
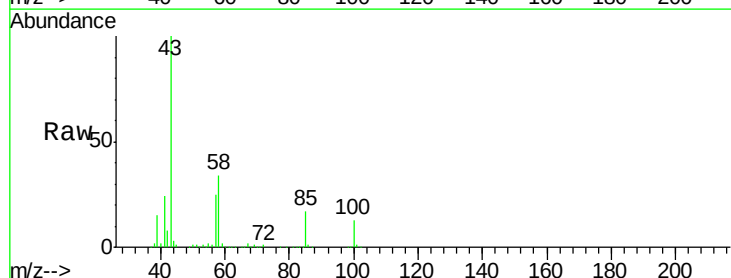
Manual Integrations
APPROVED

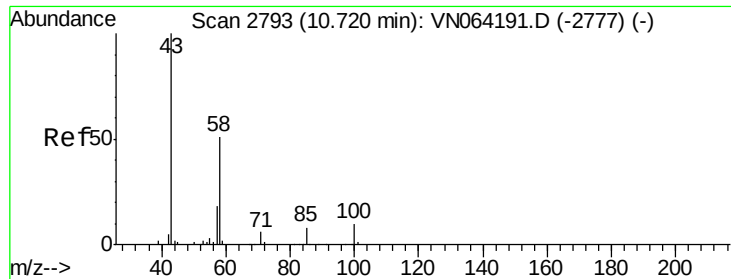
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 104.283 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.8	29.5	44.3
85	16.9	13.7	20.5





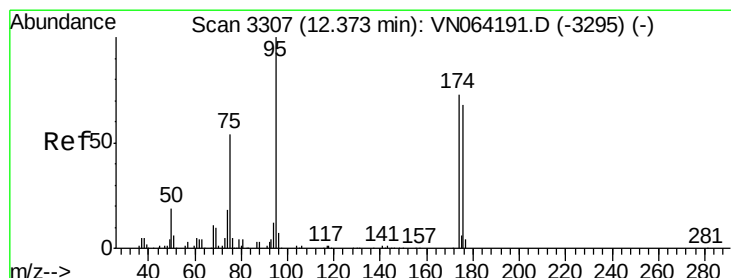
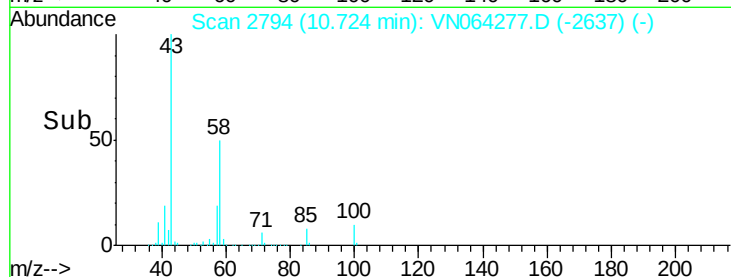
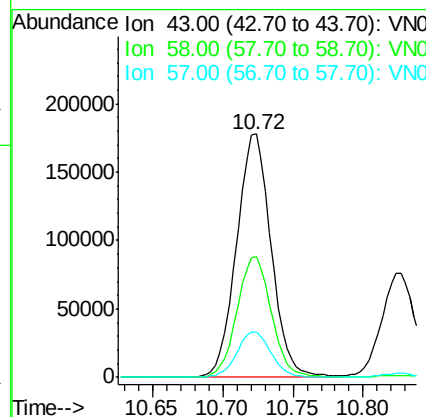
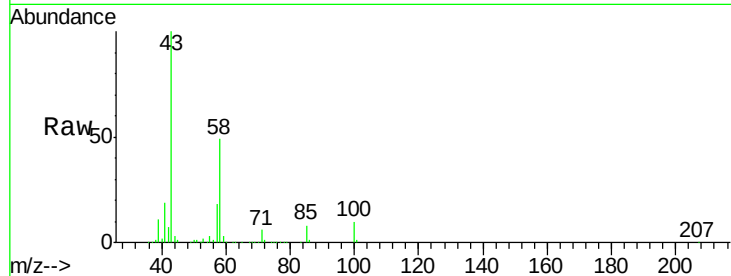
#59
2-Hexanone
Concen: 99.728 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	40.2	60.4
57	18.7	14.8	22.2

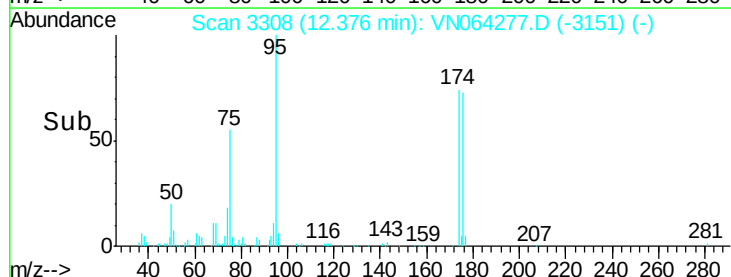
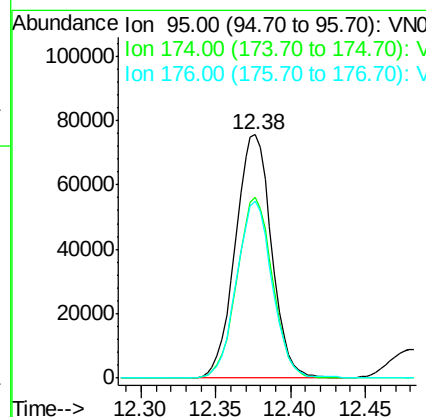
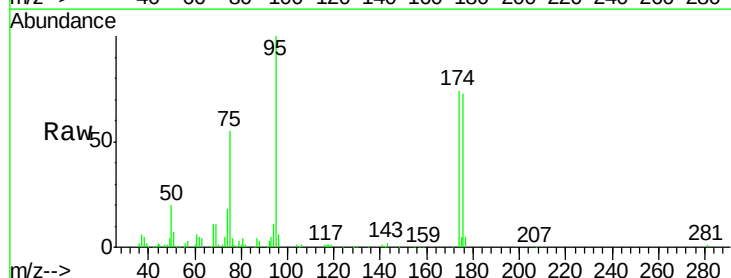
Manual Integrations
APPROVED

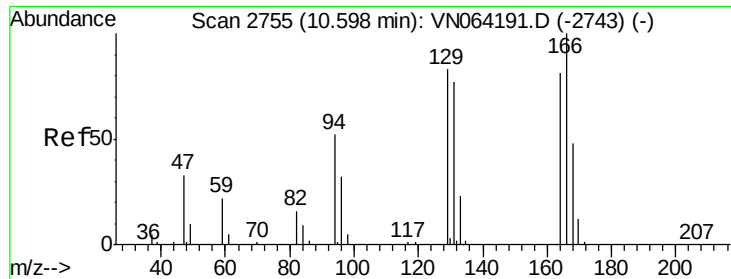
MMDadoda
10/23/2020 3:36:50 PM



#60
4-Bromofluorobenzene
Concen: 29.352 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.7	57.6	86.4
176	71.3	54.9	82.3





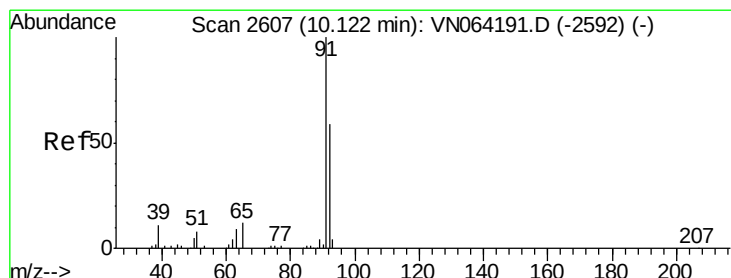
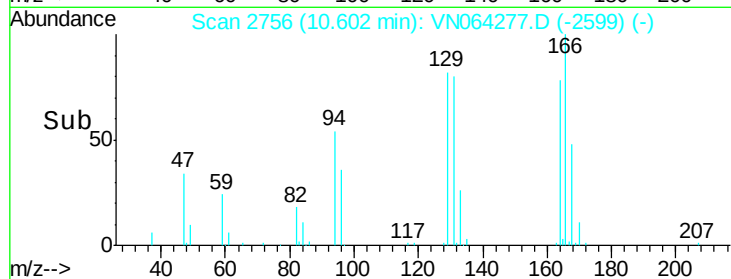
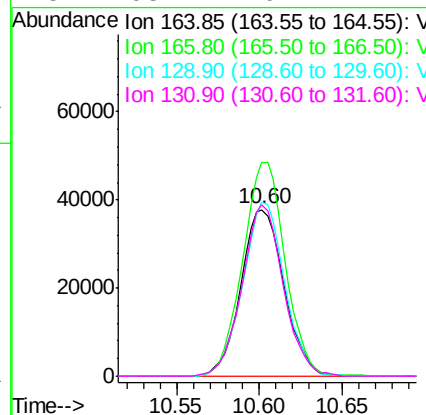
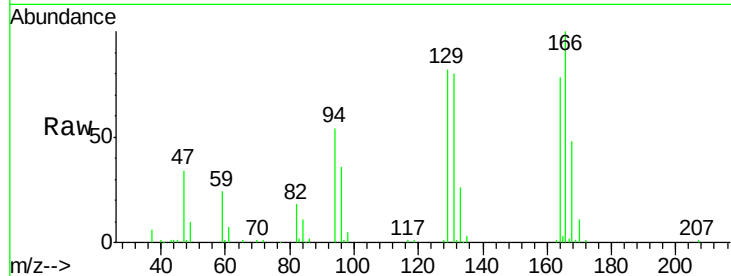
#61
Tetrachloroethene
Concen: 21.027 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.3	99.2	148.8
129	104.9	82.8	124.2
131	103.2	76.2	114.4

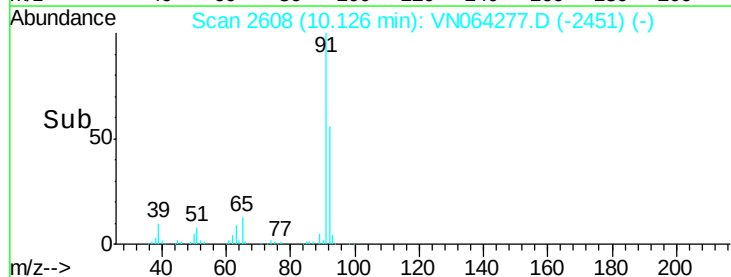
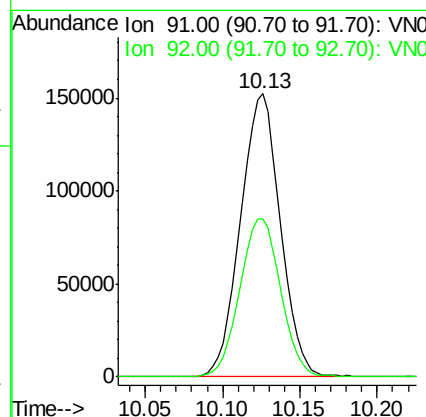
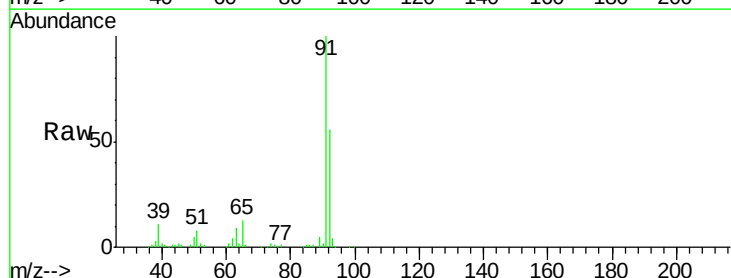
Manual Integrations
APPROVED

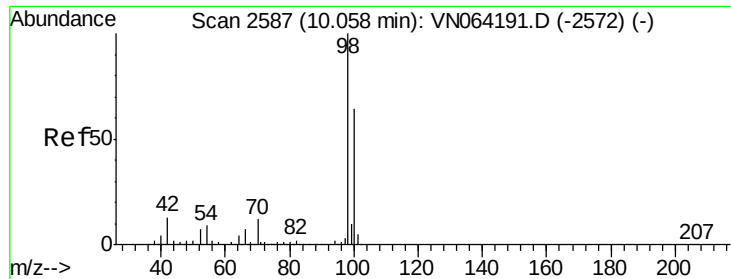
MMDadoda
10/23/2020 3:36:50 PM



#62
Toluene
Concen: 19.666 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	46.8	70.2





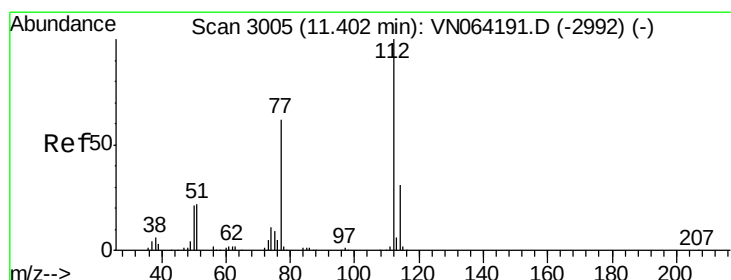
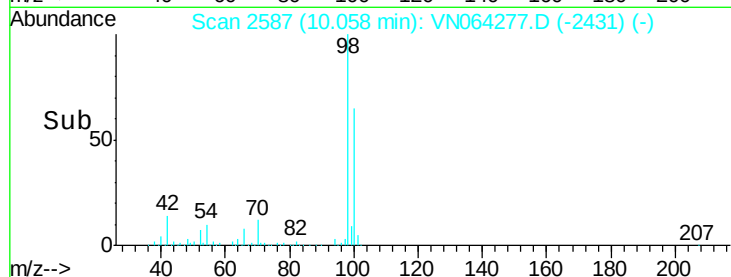
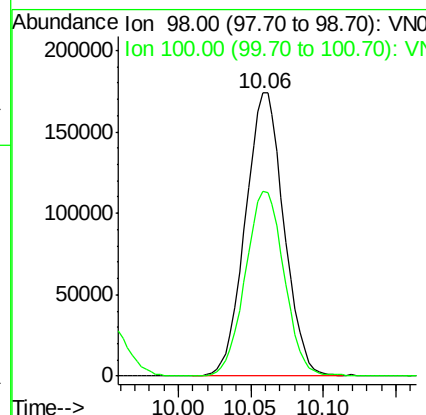
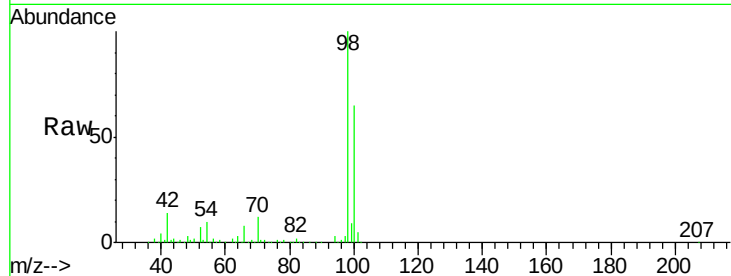
#63
Toluene-d8
Concen: 29.435 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 322678
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2

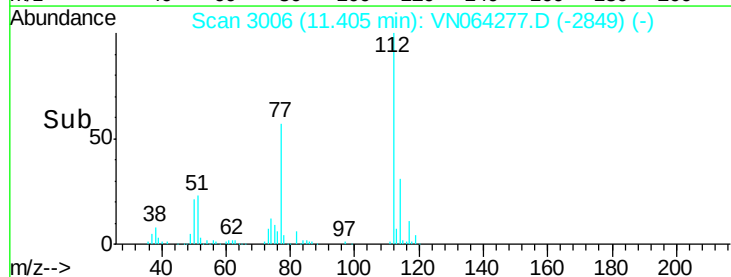
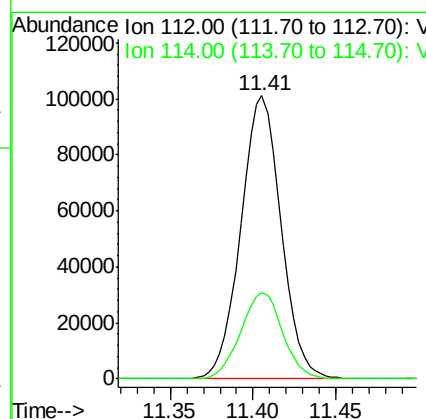
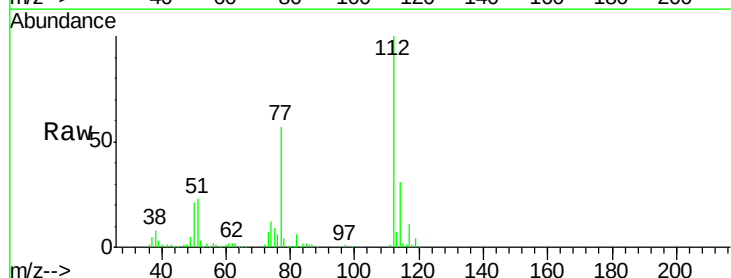
Manual Integrations
APPROVED

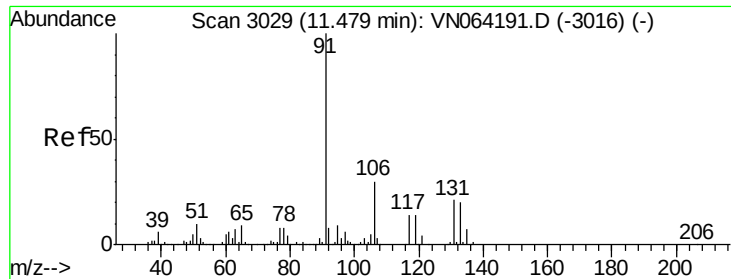
MMDadoda
10/23/2020 3:36:50 PM



#64
Chlorobenzene
Concen: 19.863 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion: 112 Resp: 171234
Ion Ratio Lower Upper
112 100
114 30.5 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 20.844 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

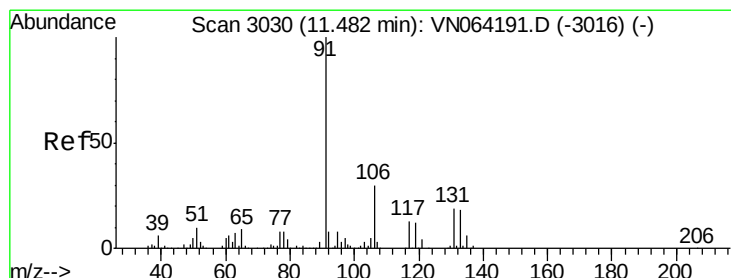
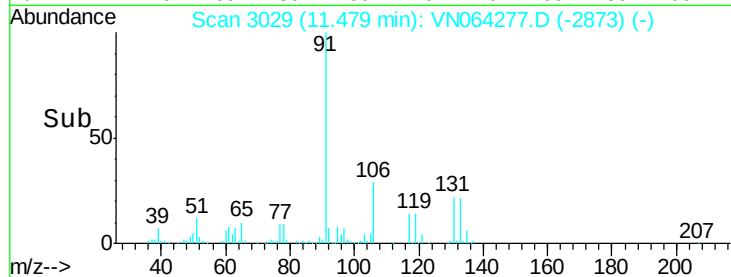
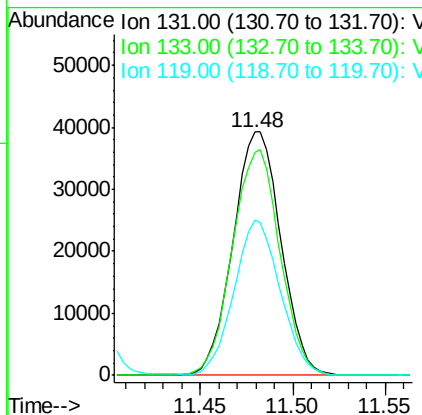
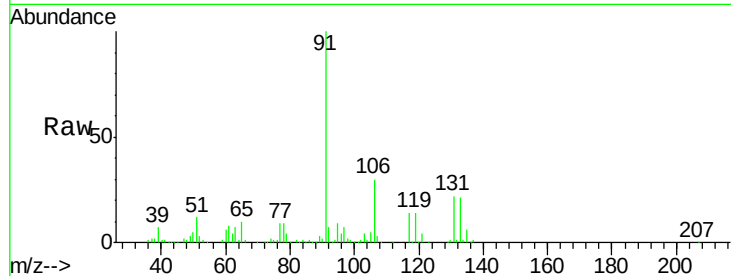
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
131	100	70401		
133	91.9	0.0	193.0	
119	61.7	0.0	132.2	

Manual Integrations
APPROVED

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10/23/2020 3:36:50 PM



#66

Ethyl Benzene

Concen: 19.505 ug/l

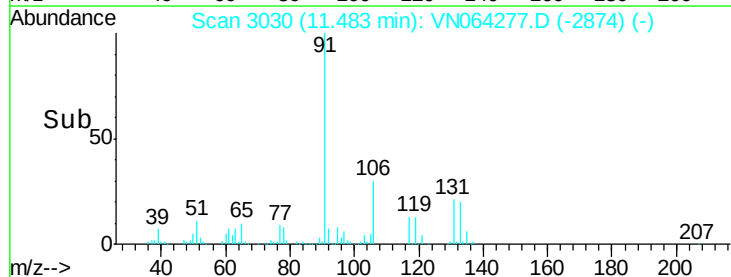
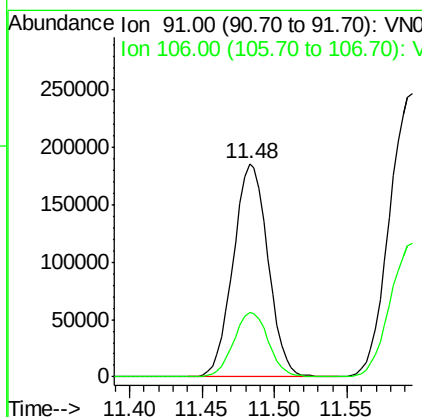
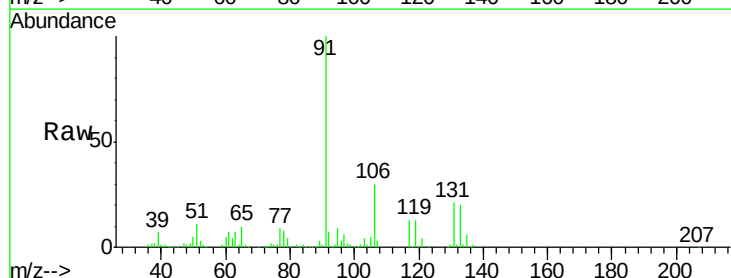
RT: 11.48 min Scan# 3030

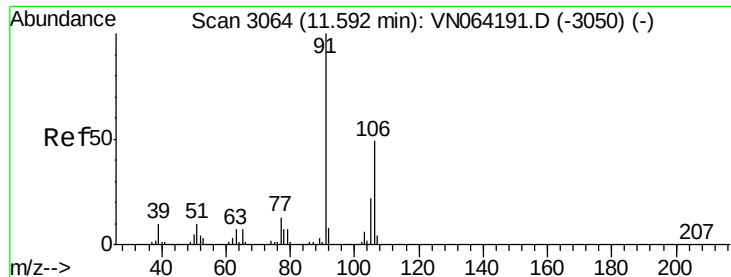
Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	310430		
106	30.2	23.9	35.9	





#67

m/p-Xylenes

Concen: 38.163 ug/l

RT: 11.60 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 225887

Ion Ratio Lower Upper

106 100

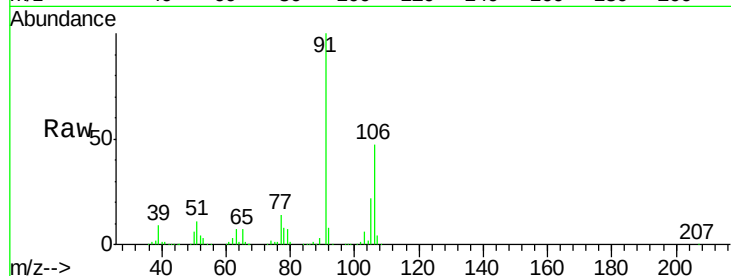
91 217.6 167.9 251.9

Manual Integrations

APPROVED

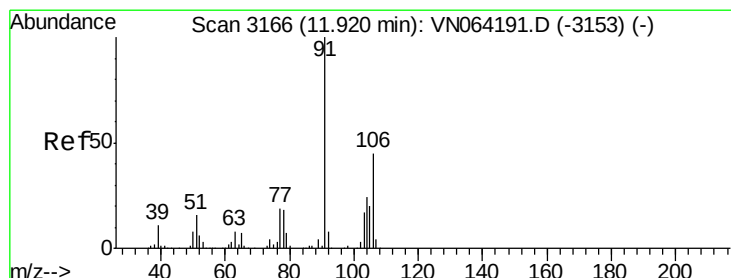
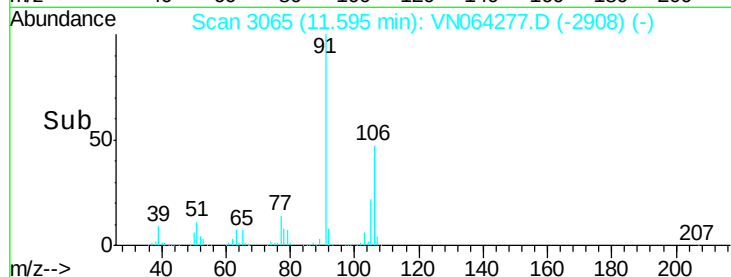
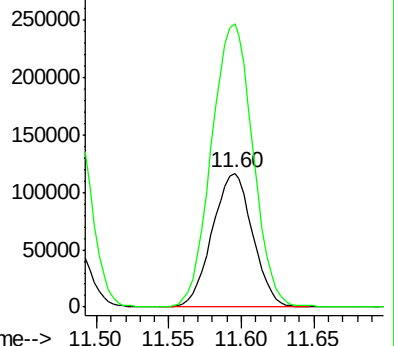
MMDadoda

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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: 19.081 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064277.D

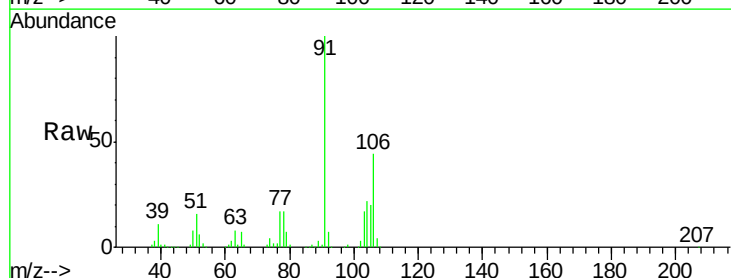
Acq: 23 Oct 2020 1:58

Tgt Ion:106 Resp: 109595

Ion Ratio Lower Upper

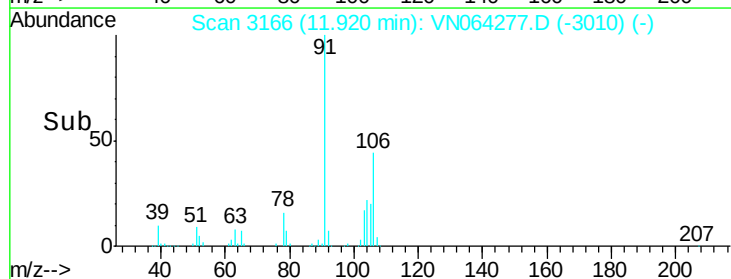
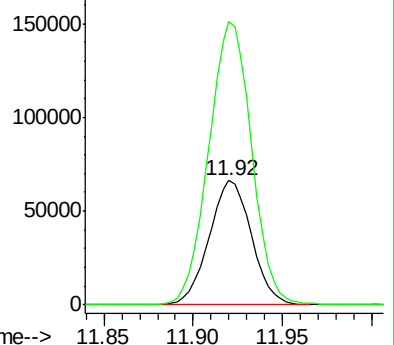
106 100

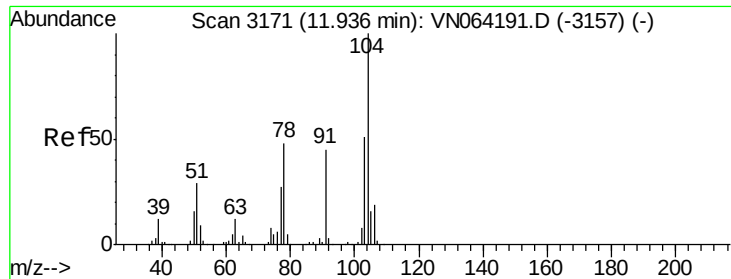
91 231.1 113.9 341.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





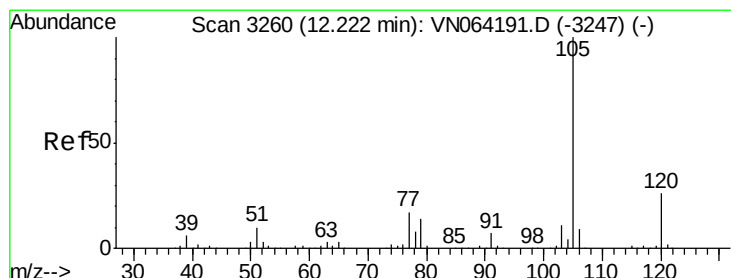
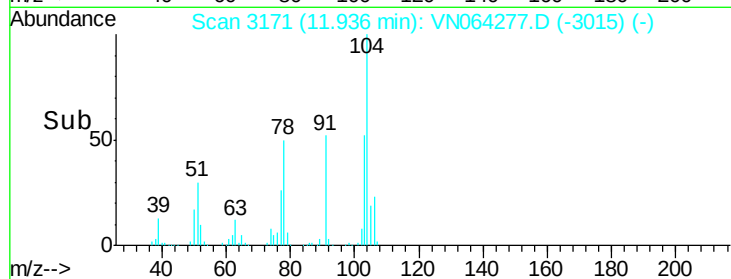
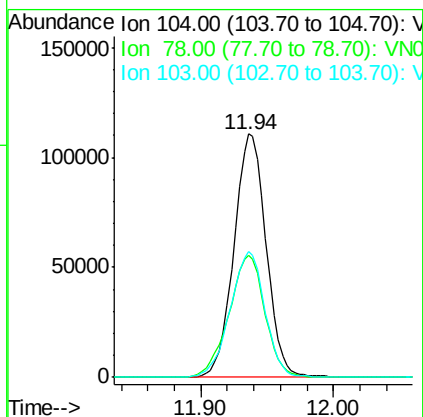
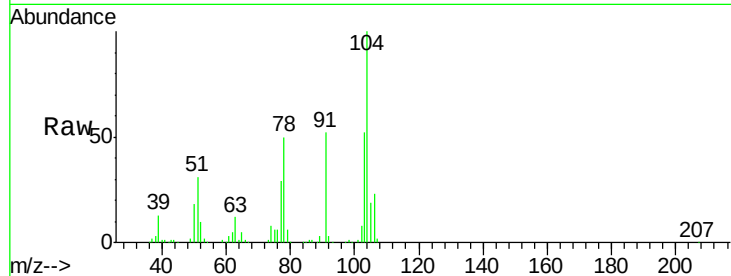
#69
Stvrene
Concen: 19.187 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
104	100	186442		
78	55.8	43.6	65.4	
103	55.9	44.8	67.2	

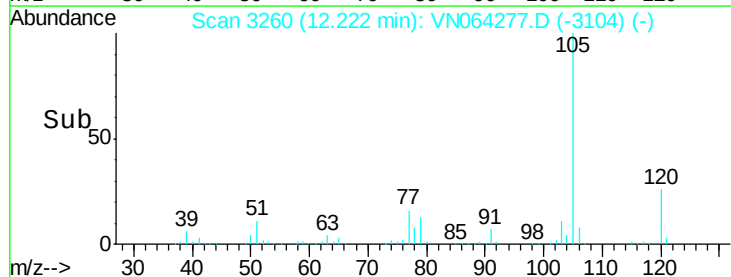
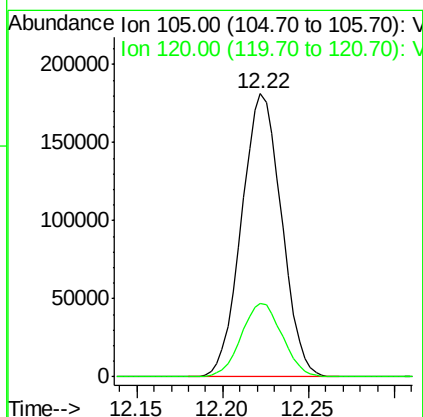
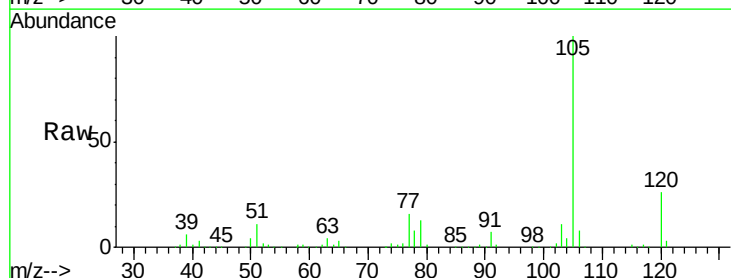
Manual Integrations
APPROVED

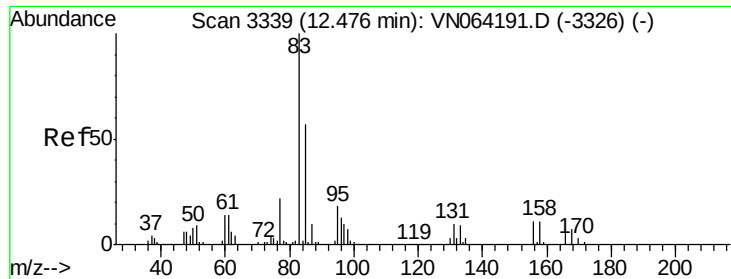
MMDadoda
10/23/2020 3:36:50 PM



#70
Isopropylbenzene
Concen: 19.323 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293114		
120	26.7	18.1	33.7	





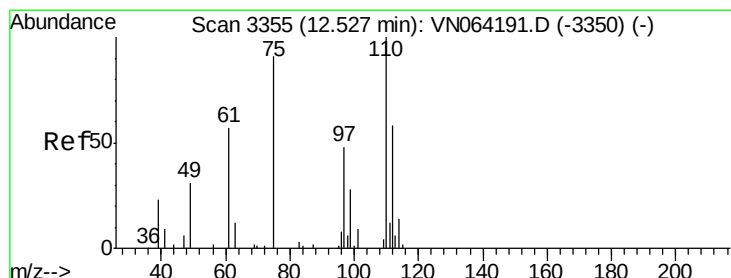
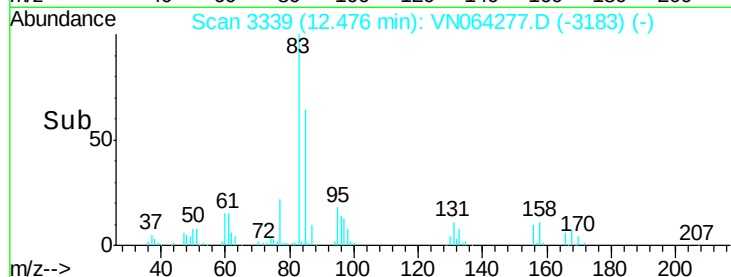
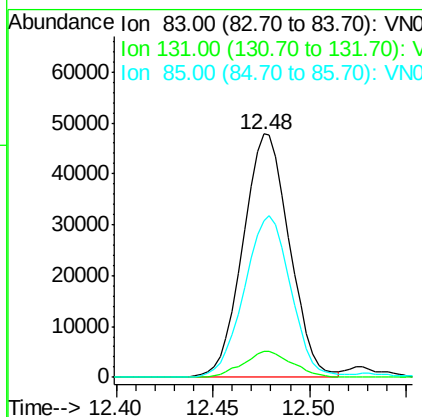
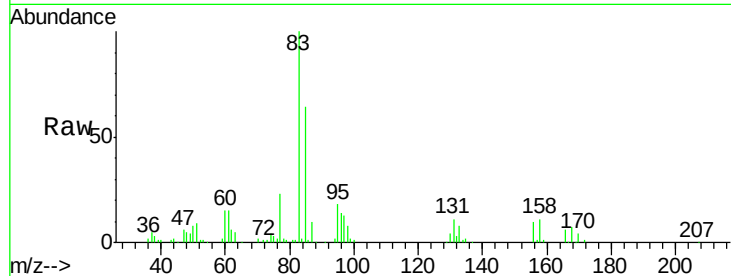
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.299 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	80222
Ion Ratio	100	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	66.2	30.8	92.4

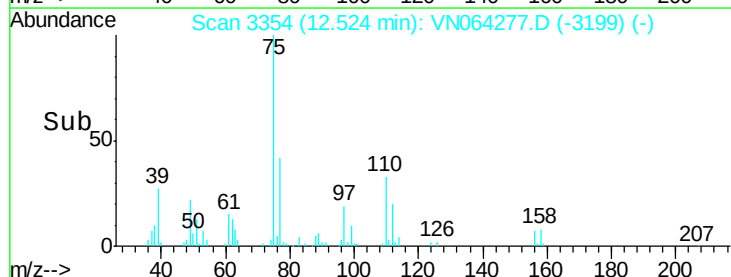
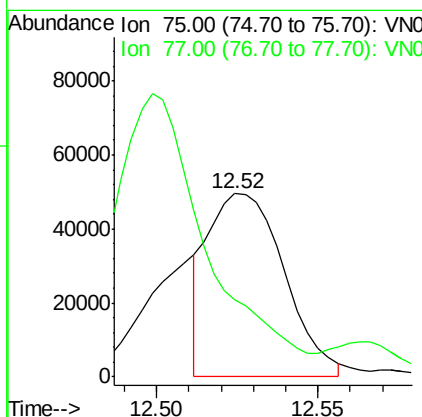
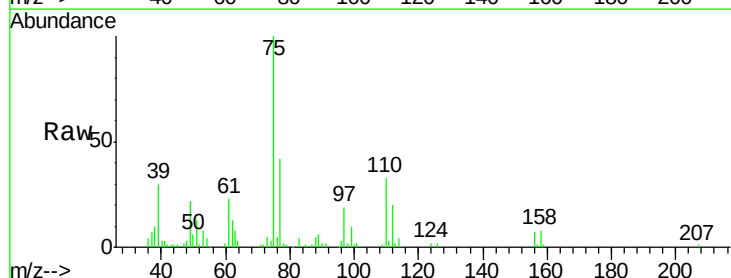
Manual Integrations
 APPROVED

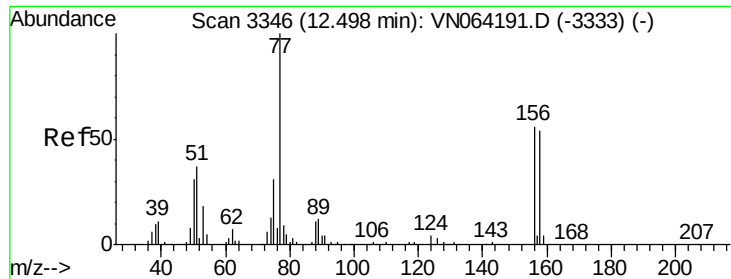
MMDadoda
 10/23/2020 3:36:50 PM



#72
 1,2,3-Trichloropropane
 Concen: 18.744 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	75	Resp	81311
Ion Ratio	100	Lower	Upper
75	100		
77	192.6	0.0	417.6





#73

Bromobenzene

Concen: 19.568 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

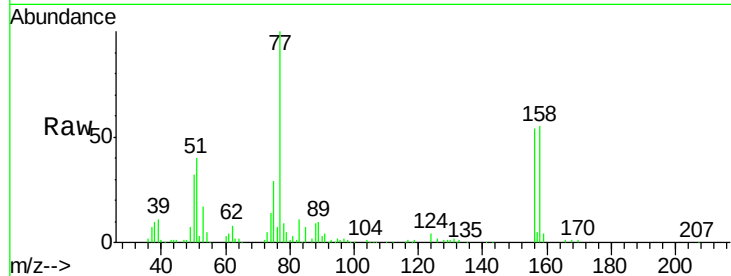
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	71581
Ion Ratio	Lower	Upper	
156	100		
77	218.8	0.0	429.8
158	99.0	0.0	190.6

Manual Integrations
APPROVED

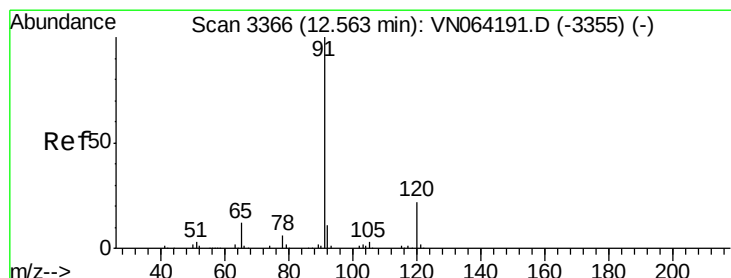
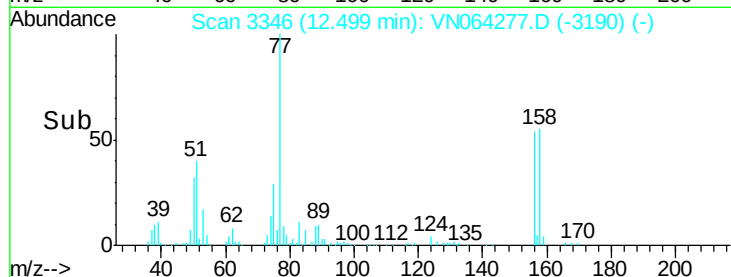
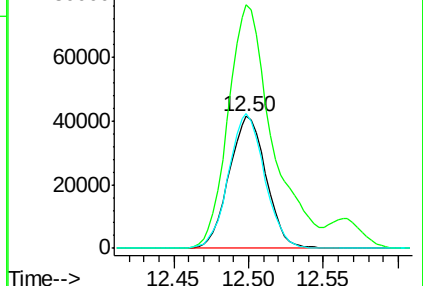
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.181 ug/l

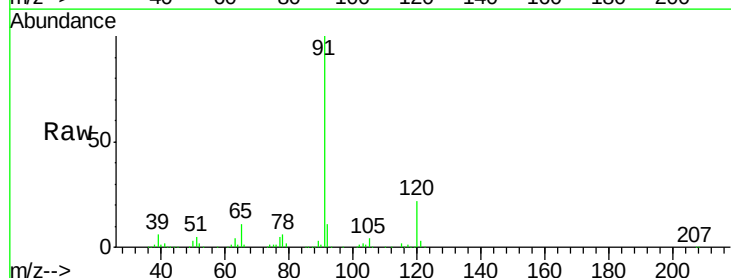
RT: 12.56 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN064277.D

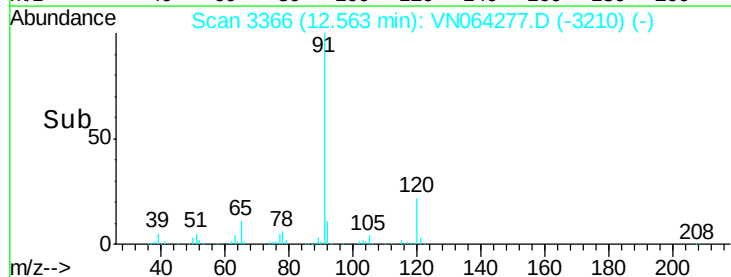
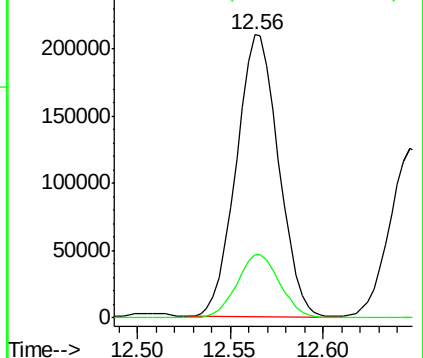
Acq: 23 Oct 2020 1:58

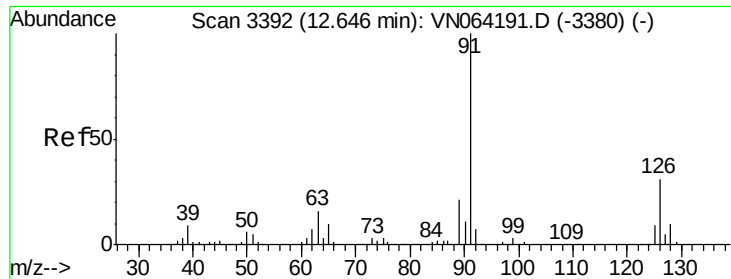
Tgt Ion:	91	Resp:	332084
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	43.8



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.532 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 209337

Ion Ratio Lower Upper

91 100

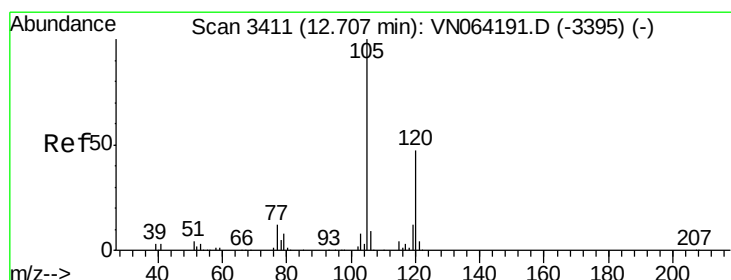
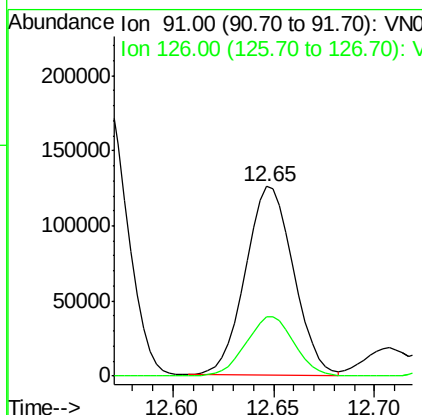
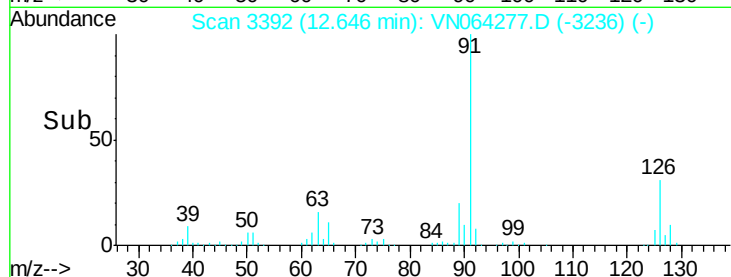
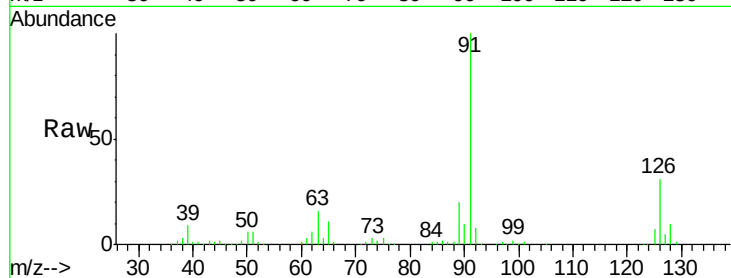
126 31.6 0.0 62.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 19.643 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064277.D

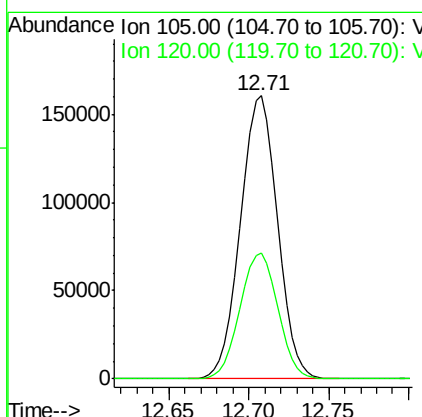
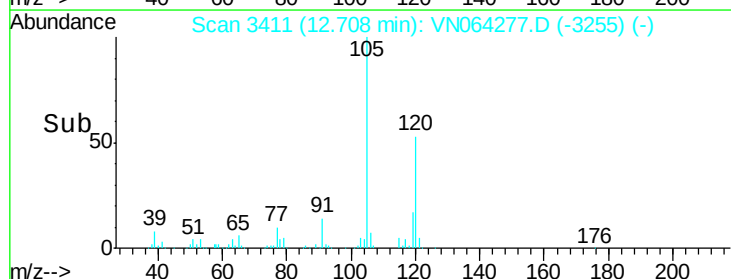
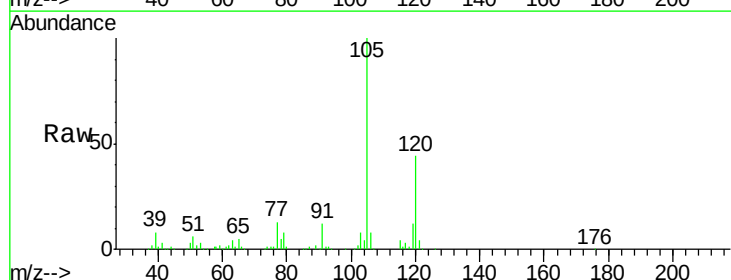
Acq: 23 Oct 2020 1:58

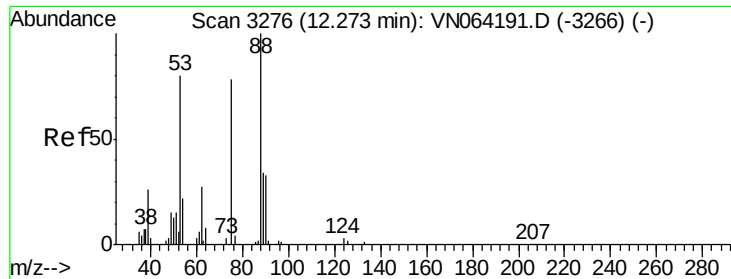
Tgt Ion: 105 Resp: 253550

Ion Ratio Lower Upper

105 100

120 45.5 0.0 95.0





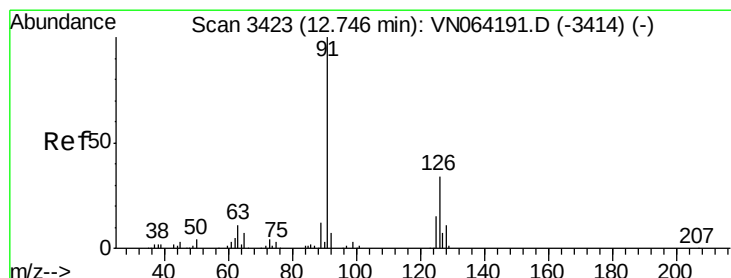
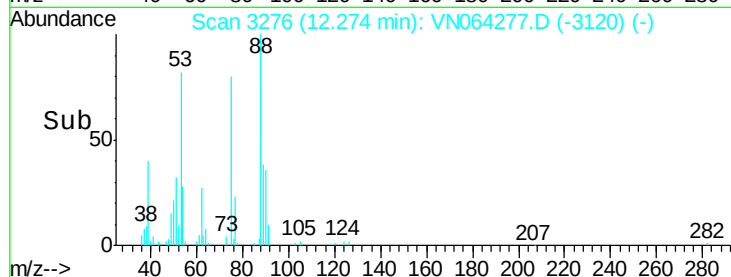
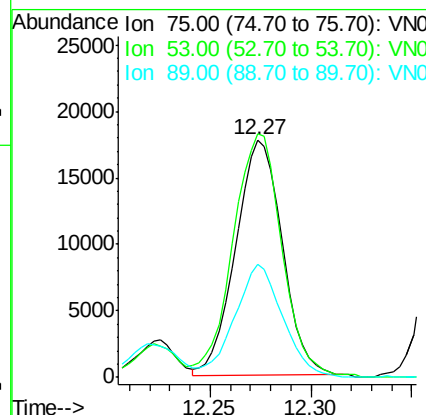
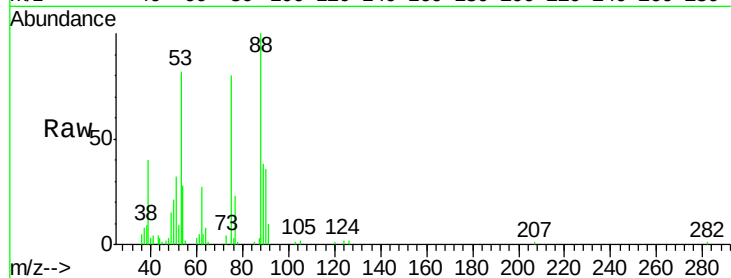
#77
t-1,4-Dichloro-2-butene
Concen: 16.950 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.8	51.4	154.2
89	48.3	23.8	71.5

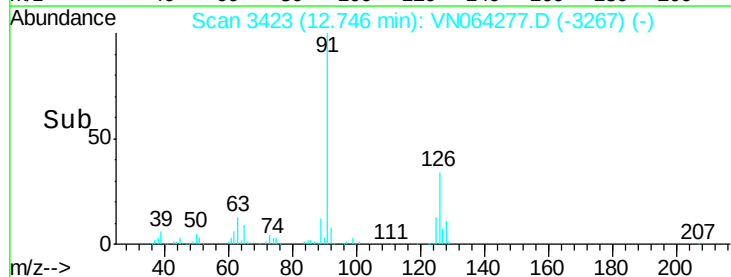
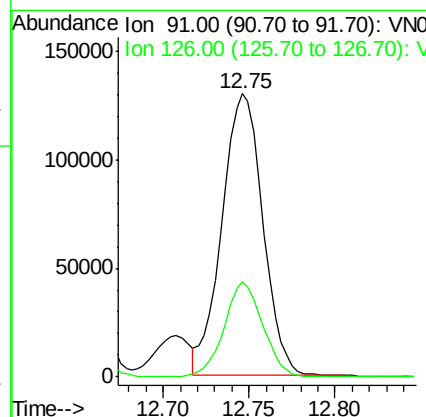
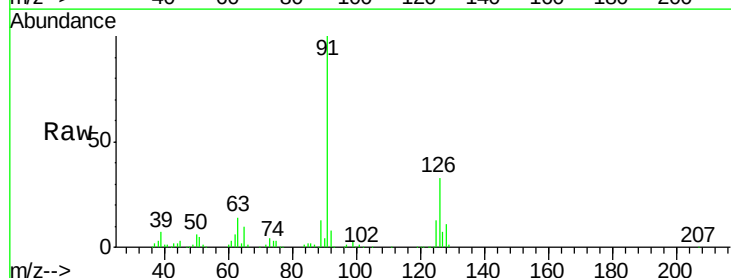
Manual Integrations
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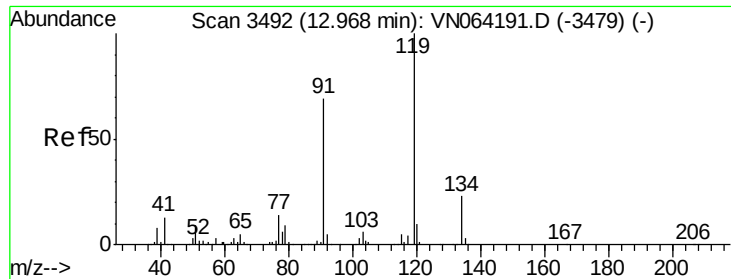
MMDadoda
10/23/2020 3:36:50 PM



#78
4-Chlorotoluene
Concen: 19.226 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	63.2





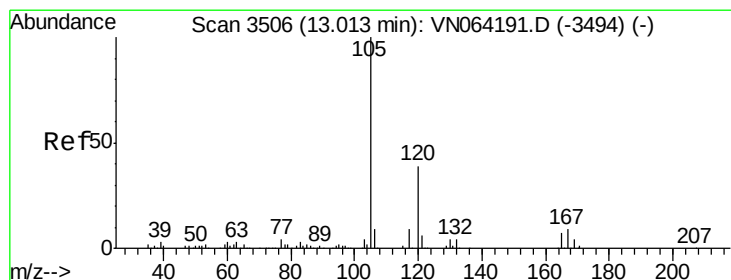
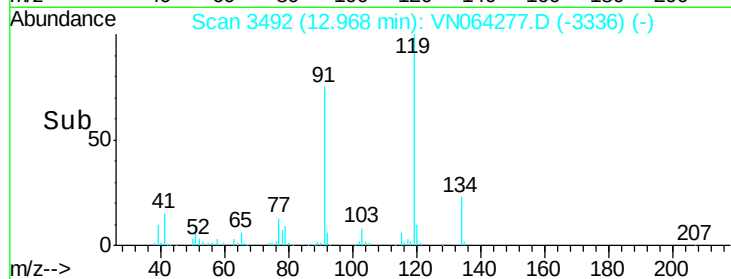
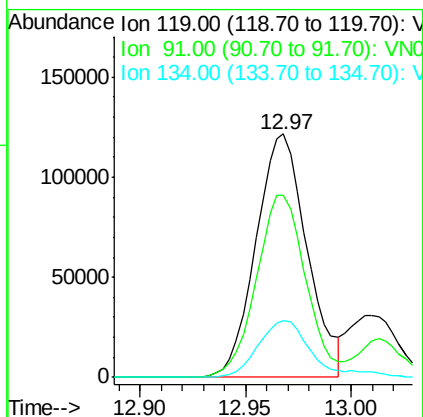
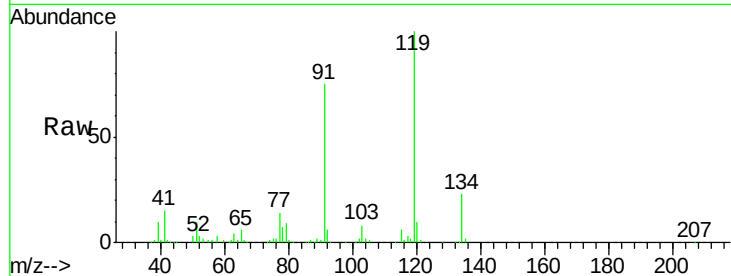
#79
tert-butylbenzene
Concen: 19.407 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	204799		
91	72.2		0.0	143.2
134	22.8		0.0	49.2

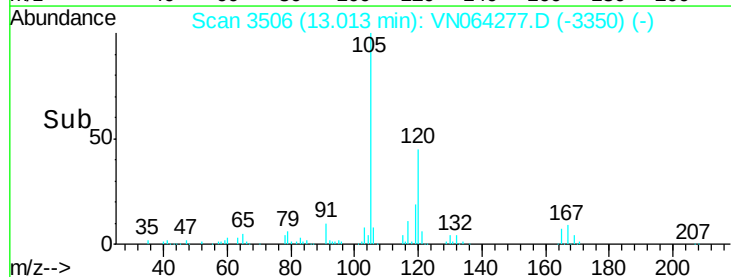
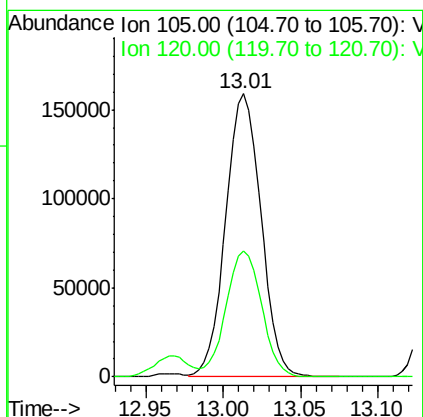
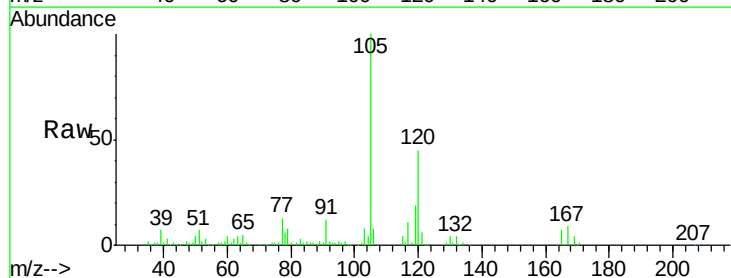
Manual Integrations
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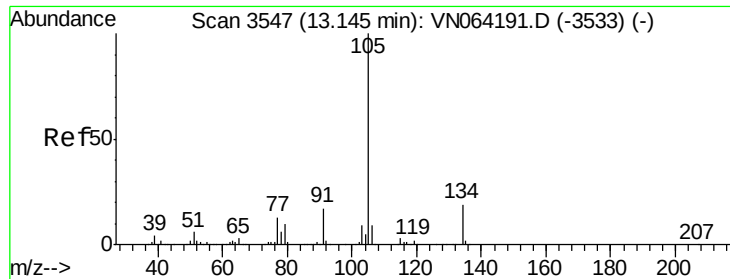
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.195 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	251520		
120	45.0		0.0	85.8





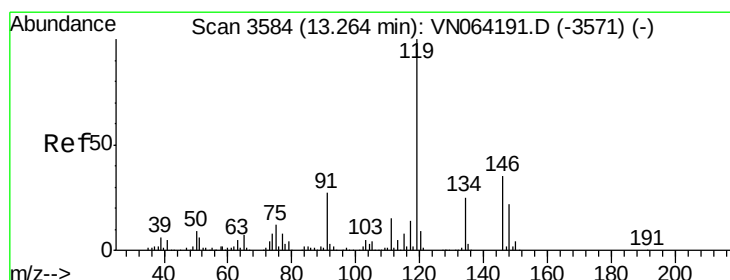
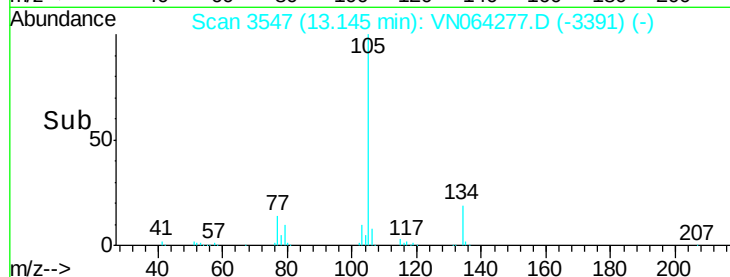
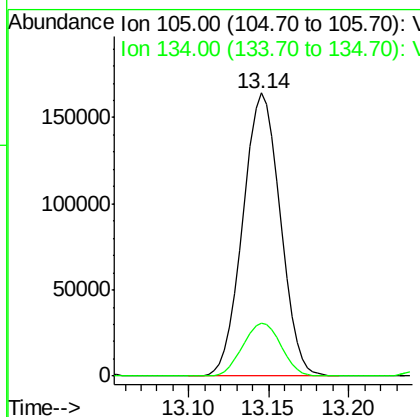
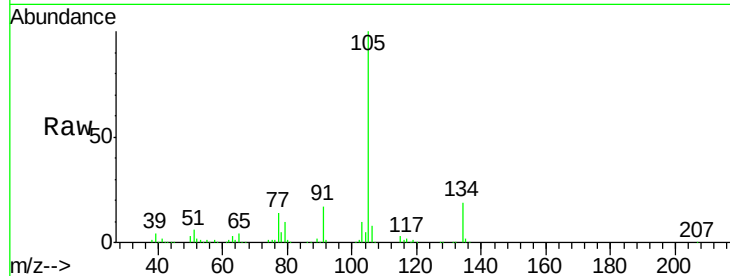
#81
 sec-Butylbenzene
 Concen: 19.098 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	262222		
134	19.1	0.0	38.4	

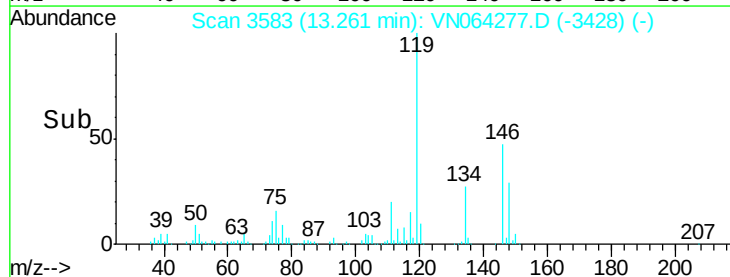
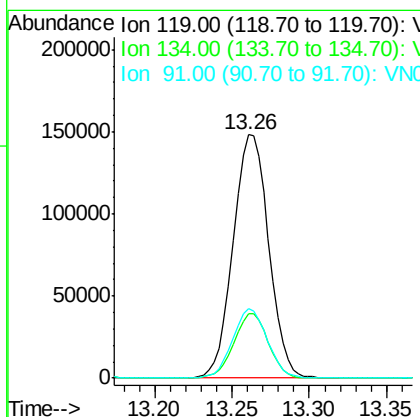
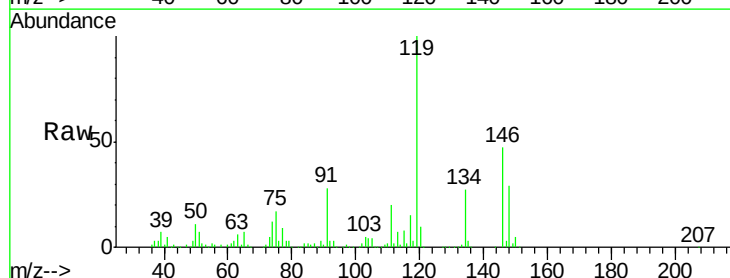
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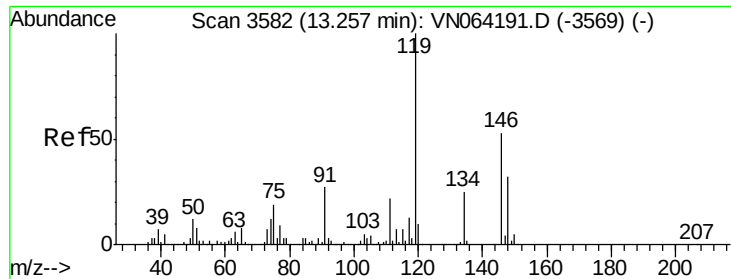
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 18.606 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	236439		
134	25.8	0.0	51.4	
91	27.8	0.0	52.8	





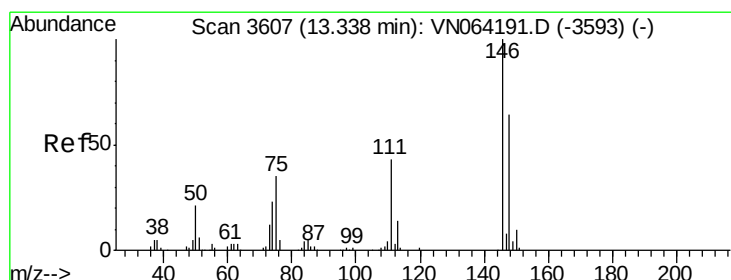
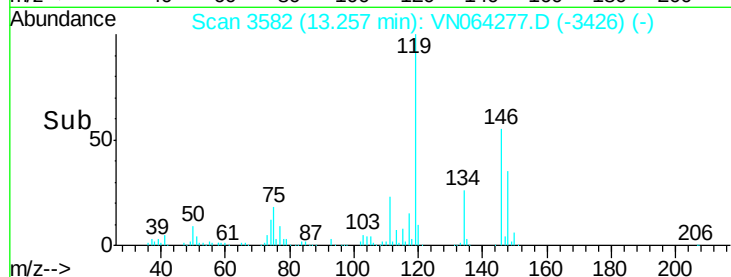
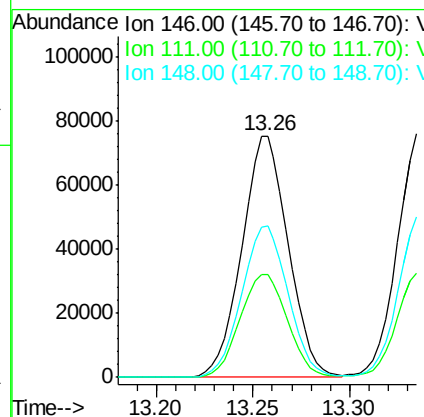
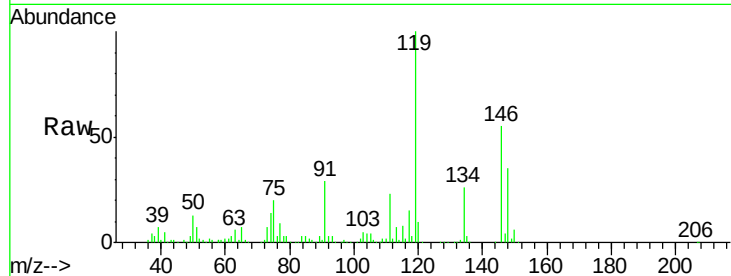
#83
 1,3-Dichlorobenzene
 Concen: 19.180 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.4
148	62.9	31.4	94.2

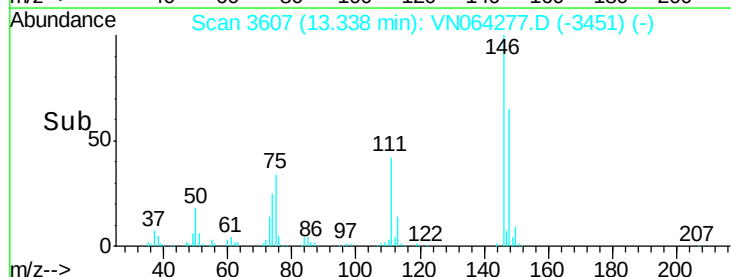
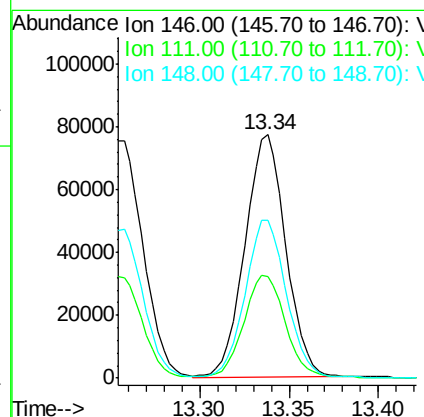
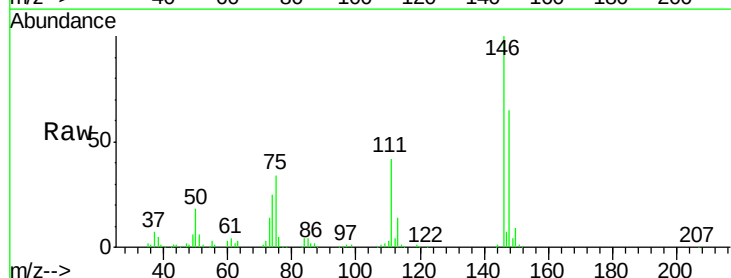
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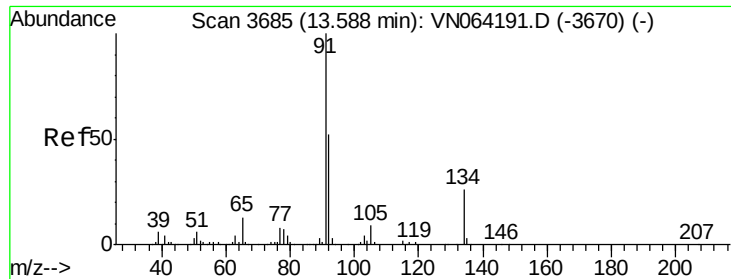
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 18.641 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.9	62.8
148	66.5	30.9	92.7





#85

n-Butylbenzene

Concen: 18.108 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Instrument :

MSVOA_N

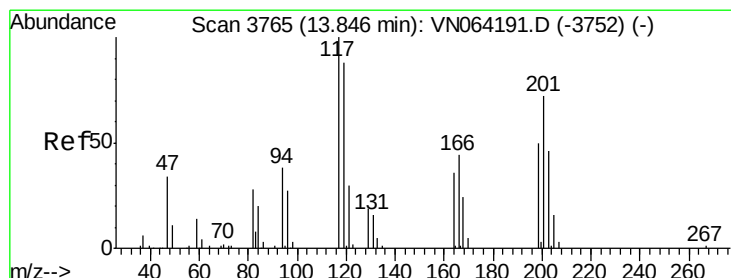
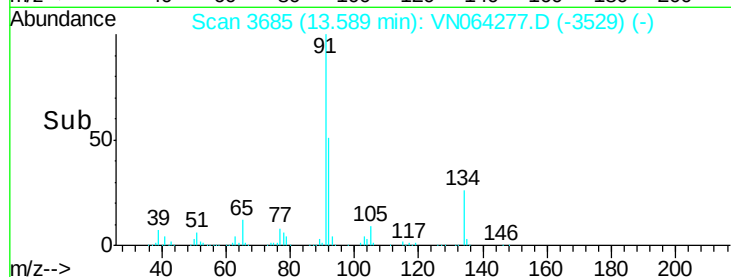
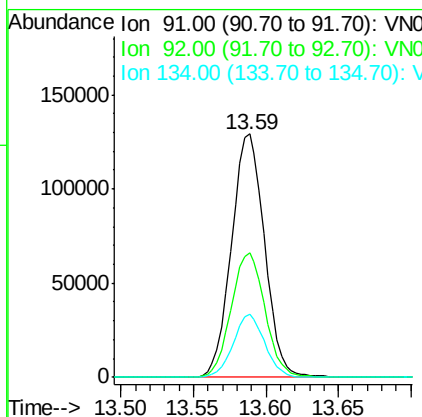
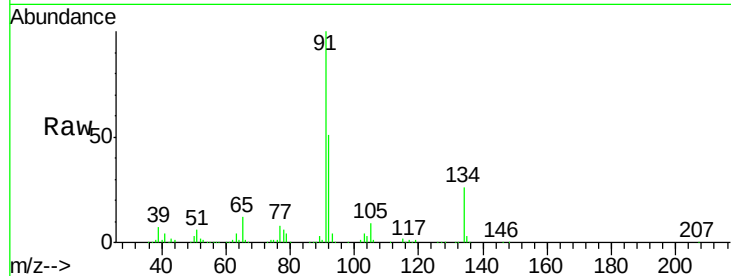
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	204268		
92	52.4	0.0	104.8	
134	24.7	0.0	49.8	

Manual Integrations
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#86

Hexachloroethane

Concen: 18.356 ug/l

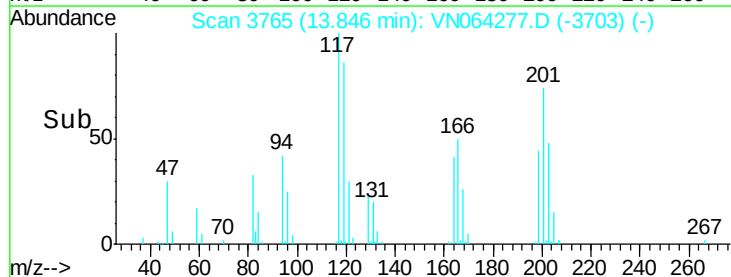
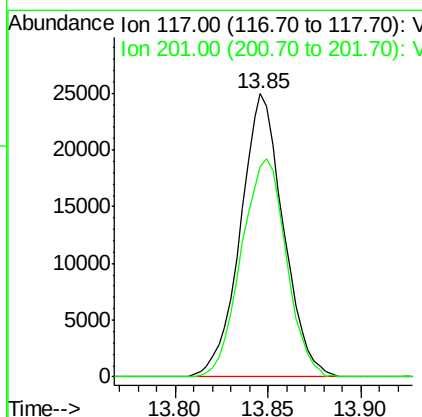
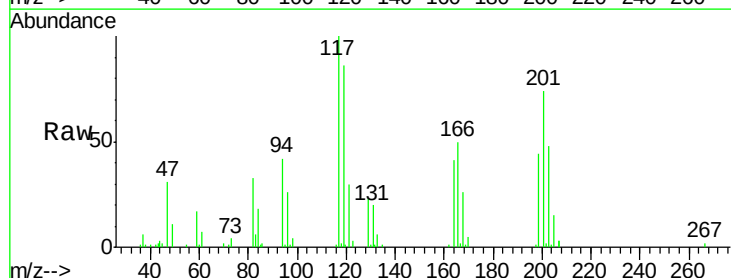
RT: 13.85 min Scan# 3765

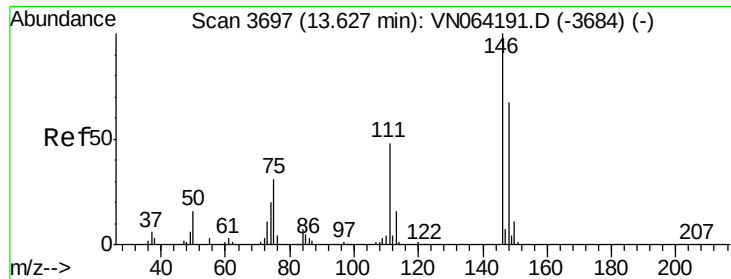
Delta R.T. 0.00 min

Lab File: VN064277.D

Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	40159		
201	80.4	37.5	112.3	





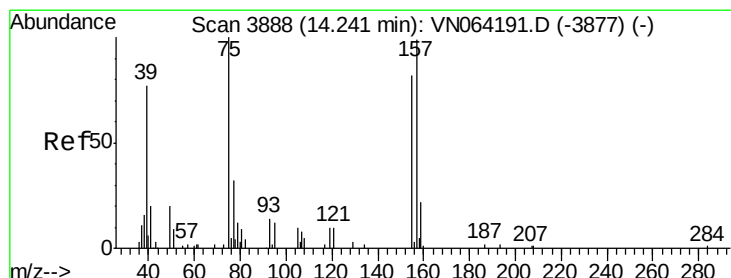
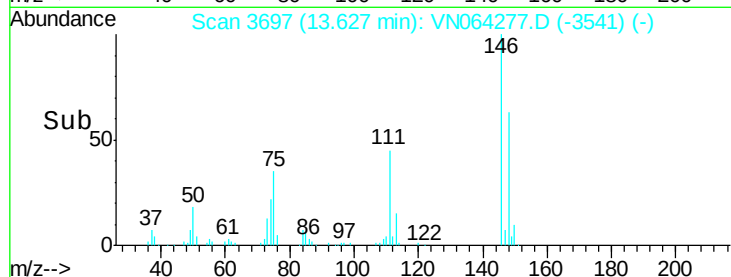
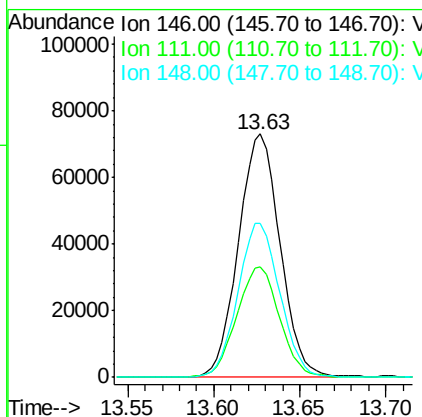
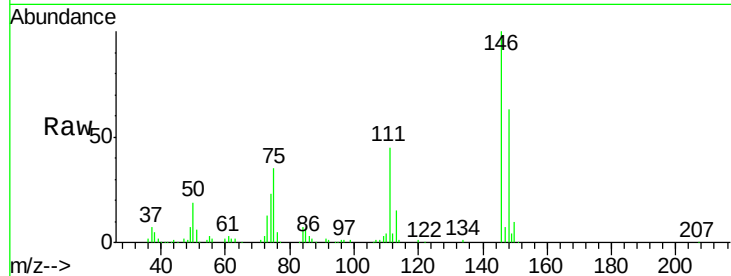
#87
 1,2-Dichlorobenzene
 Concen: 19.216 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.6	67.8
148	63.8	32.6	97.8

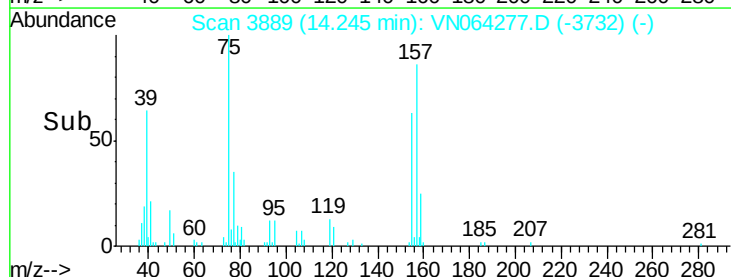
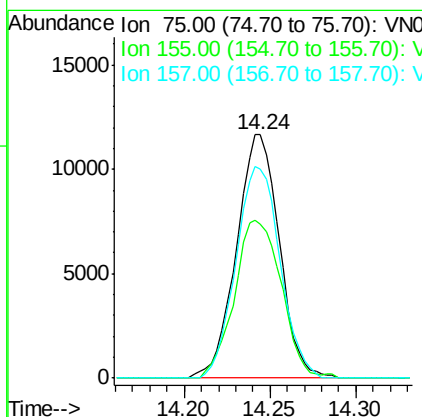
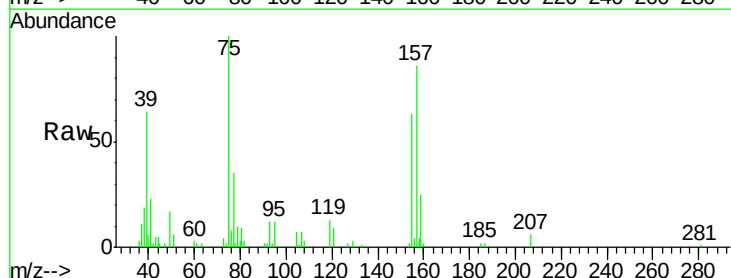
Manual Integrations
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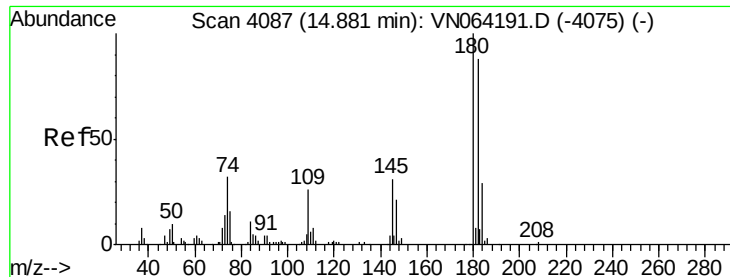
MMDadoda
 10/23/2020 3:36:50 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.155 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.6	61.1	91.7
157	89.4	76.5	114.7





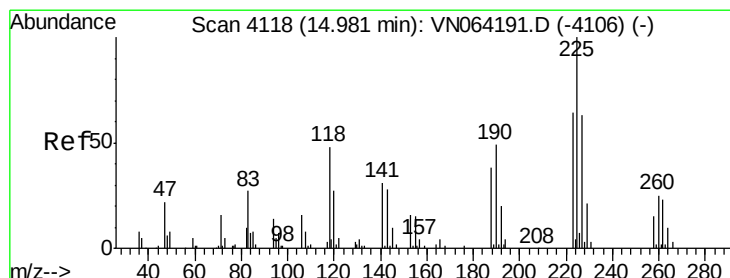
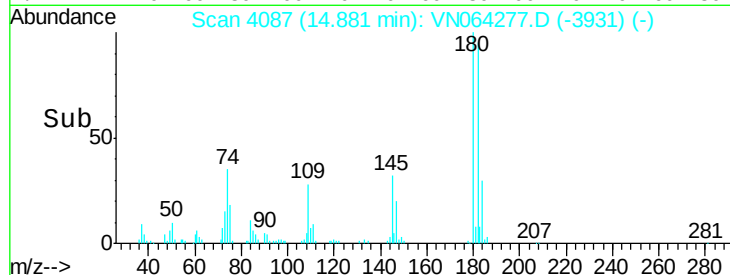
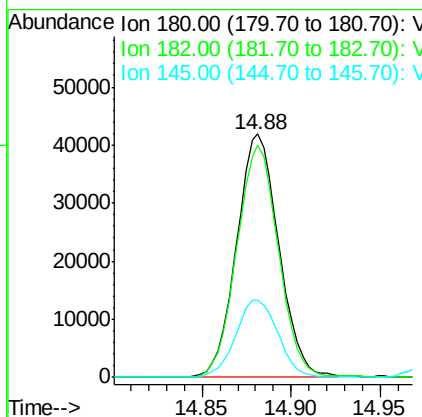
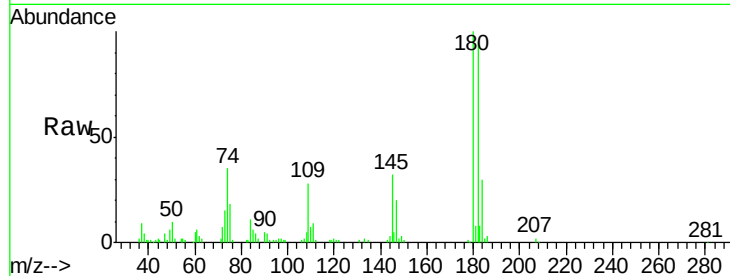
#89
 1,2,4-Trichlorobenzene
 Concen: 18.043 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	73.0	109.4
145	31.7	24.3	36.5

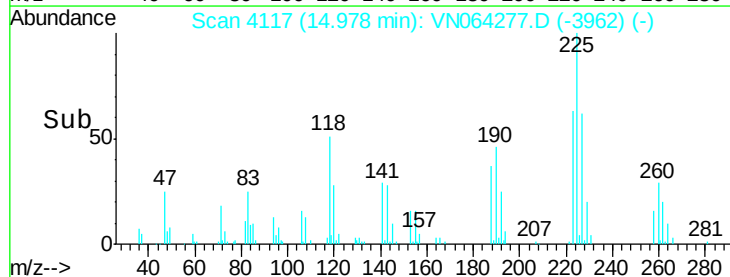
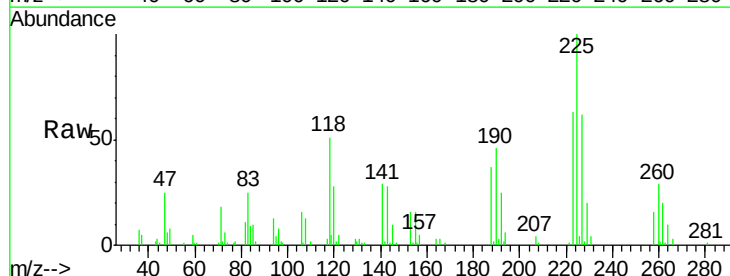
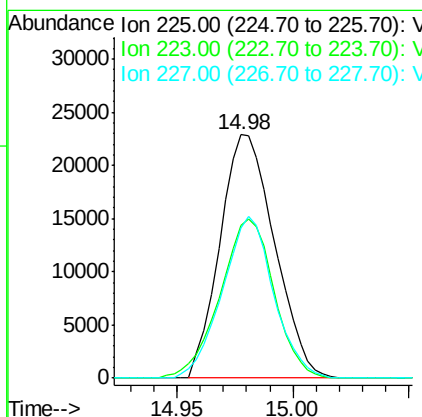
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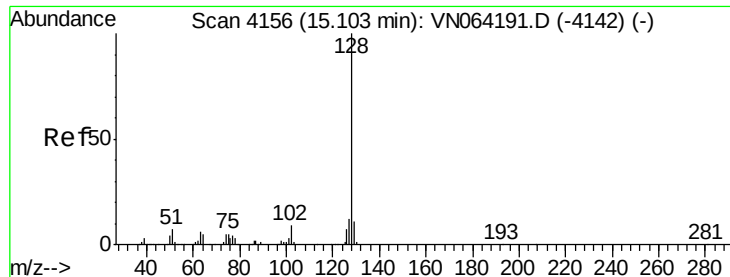
MMDadoda
 10/23/2020 3:36:50 PM



#90
 Hexachlorobutadiene
 Concen: 19.248 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064277.D
 Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	0.0	127.0
227	62.4	0.0	129.4





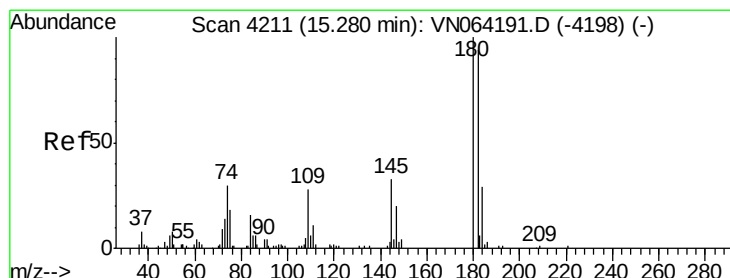
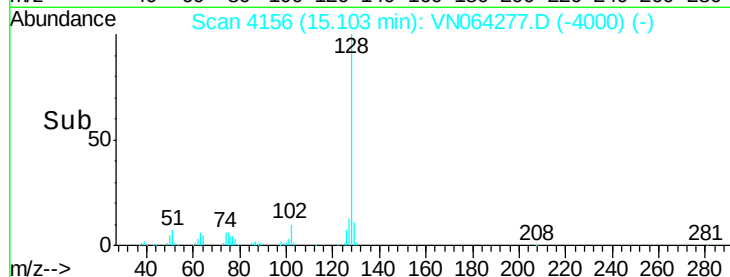
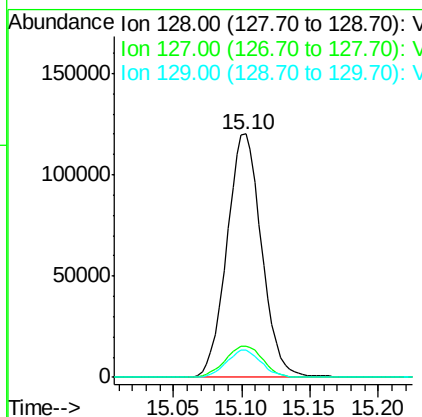
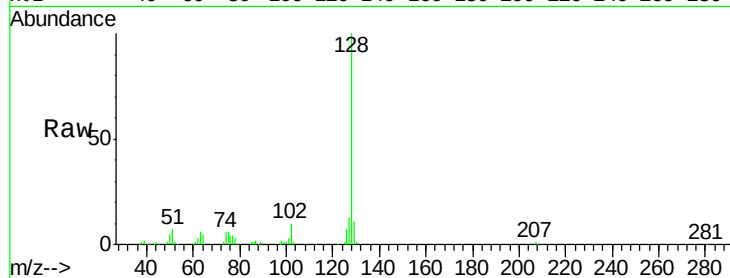
#91
Naphthalene
Concen: 18.210 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.1	15.1
129	11.3	8.7	13.1

Manual Integrations
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10/23/2020 3:36:50 PM



#92
1,2,3-Trichlorobenzene
Concen: 18.867 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064277.D
Acq: 23 Oct 2020 1:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	190.0
145	32.8	0.0	66.6

