

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102220\
 Data File : VN064252.D
 Acq On : 22 Oct 2020 14:35
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 10/23/2020 3:41:05 PM

Quant Time: Oct 23 01:18:43 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	47097	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	275918	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	243442	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	129809	33.66	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	112.20%#
60) 4-Bromofluorobenzene	12.37	95	131181	30.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	100.23%
63) Toluene-d8	10.06	98	329367	29.88	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	76205	23.584	ug/l 95
3) Chloromethane	2.04	50	72670	21.946	ug/l 99
4) Vinyl Chloride	2.16	62	69853	21.442	ug/l 96
5) Bromomethane	2.53	94	47410	24.325	ug/l 90
6) Chloroethane	2.68	64	41195	21.711	ug/l 99
7) Trichlorofluoromethane	2.99	101	121155	23.166	ug/l 98
8) Diethyl Ether	3.37	74	38309	21.576	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59810	21.669	ug/l 96
10) 1,1-Dichloroethene	3.70	96	54453	20.262	ug/l 88
11) Methyl Iodide	3.91	142	77713	20.062	ug/l 91
12) Methyl Acetate	4.27	43	68066	24.030	ug/l 96
13) Acrolein	3.57	56	37537	121.200	ug/l # 1
14) Acrylonitrile	4.93	53	125626	110.060	ug/l # 66
15) Acetone	3.78	58	36097	117.129	ug/l 91
16) Carbon Disulfide	4.01	76	159745	20.786	ug/l # 94
17) Allyl chloride	4.28	41	109733	21.960	ug/l 96
18) Methylene Chloride	4.50	84	65348	21.261	ug/l 90
19) trans-1,2-Dichloroethene	4.99	96	61457	21.199	ug/l 96
20) Diisopropyl ether	5.90	45	204146	22.106	ug/l 94
21) 1,1-Dichloroethane	5.80	63	123307m	21.871	ug/l
22) cis-1,2-Dichloroethene	6.78	96	72751	21.467	ug/l 97
23) tert-Butyl Alcohol	4.73	59	59964	113.582	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	199551	22.471	ug/l # 77
25) Chloroform	7.33	83	133357	22.766	ug/l 95
26) Cyclohexane	7.61	56	89220	19.959	ug/l # 85
29) 1,1-Dichloropropene	7.75	75	95838	20.915	ug/l 99
30) 2-Butanone	6.78	43	202445	107.137	ug/l 99
31) 2,2-Dichloropropane	6.77	77	117204	20.147	ug/l 98
32) 1,1,1-Trichloroethane	7.52	97	125203	21.445	ug/l 98
33) Carbon Tetrachloride	7.73	117	110129	20.691	ug/l 97
34) Benzene	8.00	78	263794	20.673	ug/l 98
35) Methacrylonitrile	7.12	41	42906	20.701	ug/l 94
36) 1,2-Dichloroethane	8.08	62	114175	22.123	ug/l 97
37) Trichloroethene	8.80	130	72110	20.525	ug/l 97
38) Methylcyclohexane	9.05	83	83605	19.077	ug/l 98
39) 1,2-Dichloropropane	9.08	63	71244	20.922	ug/l 100
40) Dibromomethane	9.17	93	48738	20.571	ug/l 98

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41) Bromodichloromethane	9.37	83	106793	20.827	ug/l	100
42) Vinyl Acetate	5.84	43	936827	104.432	ug/l	99
43) Ethyl Acetate	6.88	43	85013	20.600	ug/l #	85
44) Isopropyl Acetate	8.13	43	165551	20.895	ug/l	99
45) 1,4-Dioxane	9.16	88	19841	428.175	ug/l	95
46) Methyl methacrylate	9.16	41	80885	21.515	ug/l	99
47) n-amyl Acetate	12.04	43	136277	19.389	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	120589	20.853	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	121180	20.281	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	65573	20.659	ug/l	96
51) Ethyl methacrylate	10.40	69	100967	20.116	ug/l	97
52) 1,3-Dichloropropane	10.68	76	115683	21.140	ug/l	98
53) Dibromochloromethane	10.87	129	82969	20.768	ug/l	99
54) 1,2-Dibromoethane	10.98	107	70118	20.782	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	222288	90.111	ug/l	98
56) Bromoform	12.10	173	54821	19.704	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	443583	107.528	ug/l	98
59) 2-Hexanone	10.72	43	323469	105.620	ug/l	99
61) Tetrachloroethene	10.60	164	70880	21.598	ug/l	96
62) Toluene	10.12	91	291826	20.968	ug/l	98
64) Chlorobenzene	11.41	112	179456	20.706	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	71719	21.120	ug/l	99
66) Ethyl Benzene	11.48	91	336374	21.023	ug/l	100
67) m/p-Xylenes	11.59	106	242648	40.776	ug/l	97
68) o-Xylene	11.92	106	120572	20.880	ug/l	97
69) Styrene	11.94	104	198902	20.359	ug/l	96
70) Isopropylbenzene	12.22	105	319892	20.975	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	85606	20.484	ug/l	96
72) 1,2,3-Trichloropropane	12.53	75	85829m	19.680	ug/l	
73) Bromobenzene	12.50	156	76954	20.925	ug/l	96
74) n-propylbenzene	12.56	91	361879	20.790	ug/l	100
75) 2-Chlorotoluene	12.65	91	227877	21.148	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	270672	20.857	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	33526	19.662	ug/l	93
78) 4-Chlorotoluene	12.75	91	236828	21.012	ug/l	99
79) tert-butylbenzene	12.97	119	223716	21.086	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	274374	20.827	ug/l	99
81) sec-Butylbenzene	13.14	105	277947	20.135	ug/l	100
82) p-Isopropyltoluene	13.26	119	263037	20.588	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	134753	20.441	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	134075	20.315	ug/l	97
85) n-Butylbenzene	13.59	91	222989	19.661	ug/l	99
86) Hexachloroethane	13.85	117	44431	20.201	ug/l	95
87) 1,2-Dichlorobenzene	13.62	146	131824	20.505	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	21081	19.916	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	73377	19.007	ug/l	92
90) Hexachlorobutadiene	14.98	225	37675	19.253	ug/l	100
91) Naphthalene	15.10	128	226425	19.349	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	72052	19.515	ug/l	99

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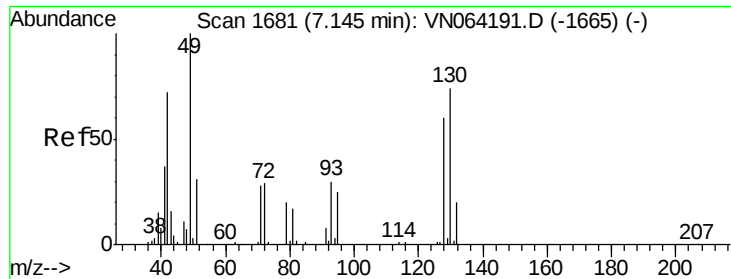
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

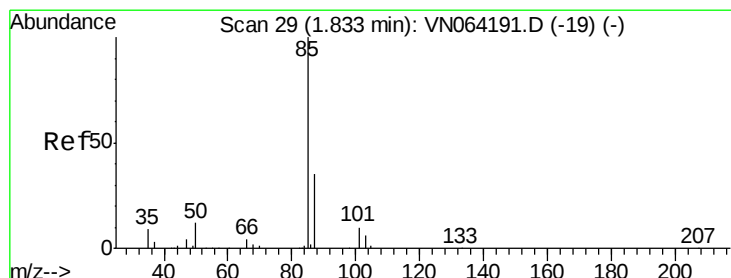
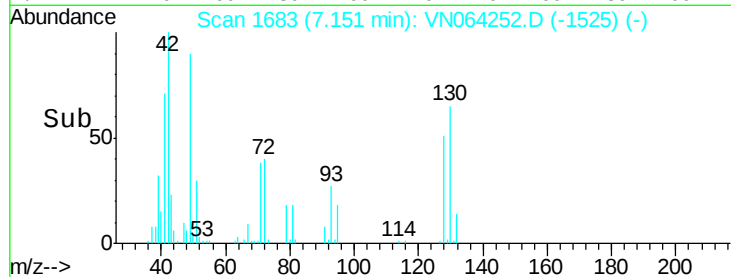
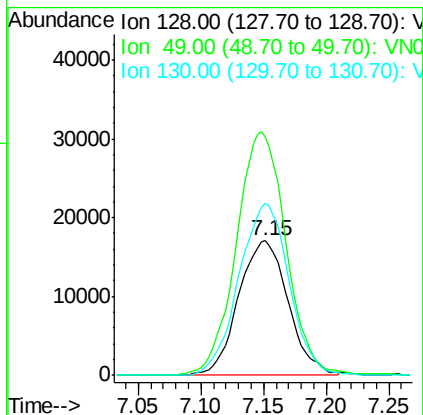
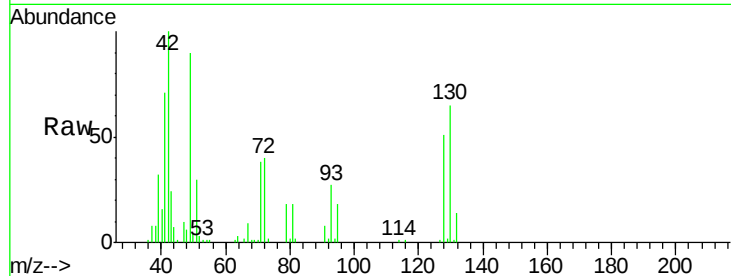
ClientSampleId :

VSTDCCC020

Tot Ion:	128	Resp:	47097
Ion	Ratio	Lower	Upper
128	100		
49	180.7	0.0	433.3
130	128.9	0.0	322.5

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#2

Dichlorodifluoromethane

Concen: 23.584 ug/l

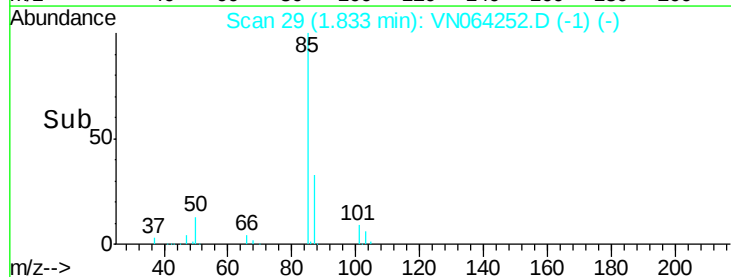
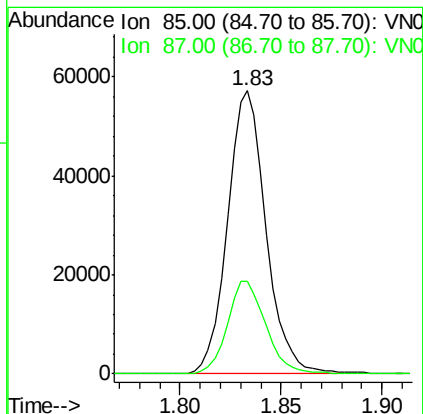
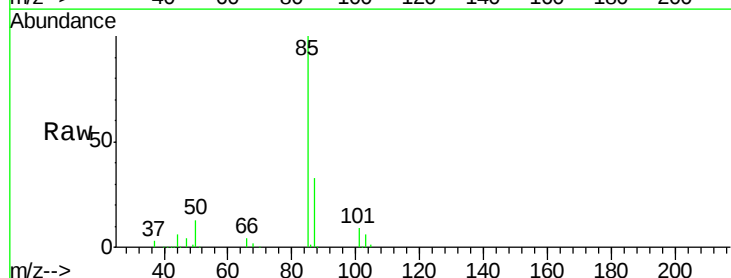
RT: 1.83 min Scan# 29

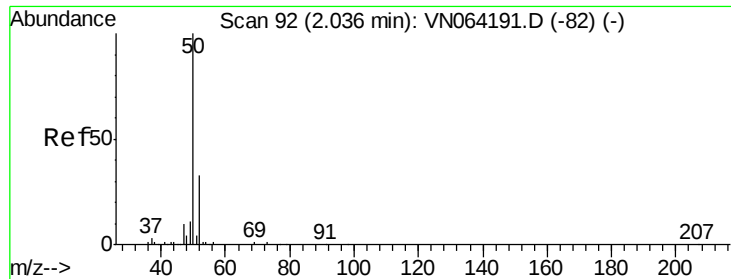
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	85	Resp:	76205
Ion	Ratio	Lower	Upper
85	100		
87	32.7	17.8	53.3





#3

Chloromethane

Concen: 21.946 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 72670

Ion Ratio Lower Upper

50 100

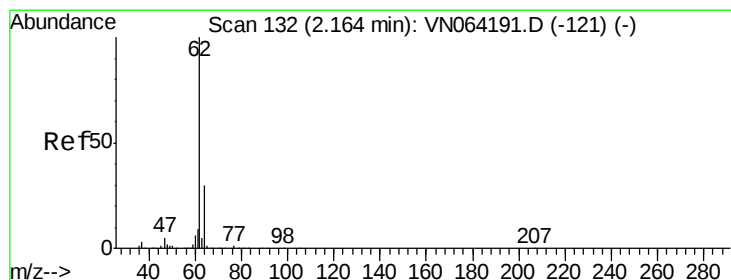
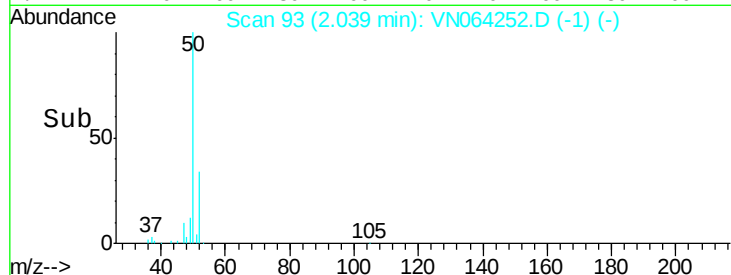
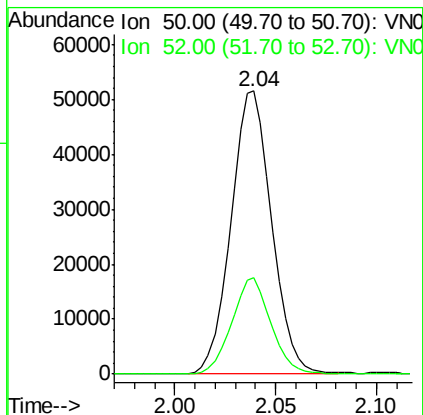
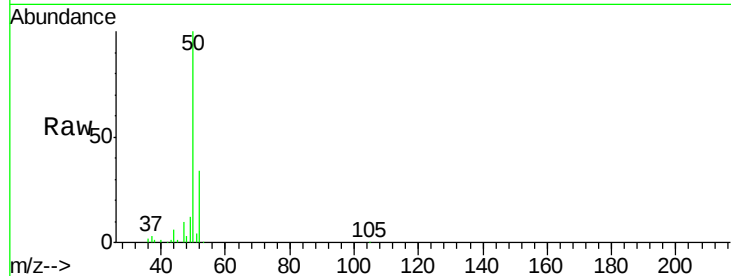
52 33.9 26.6 40.0

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#4

Vinyl Chloride

Concen: 21.442 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064252.D

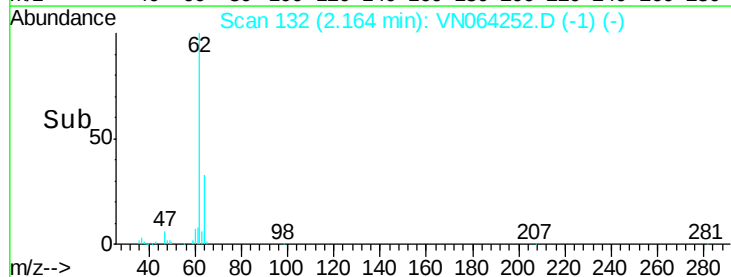
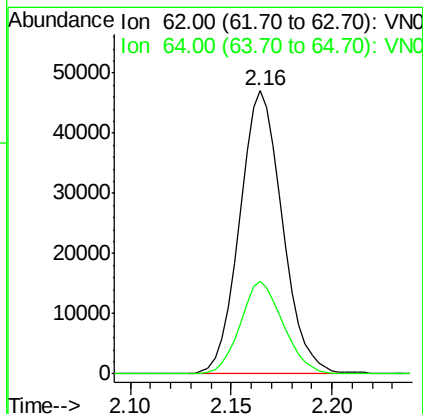
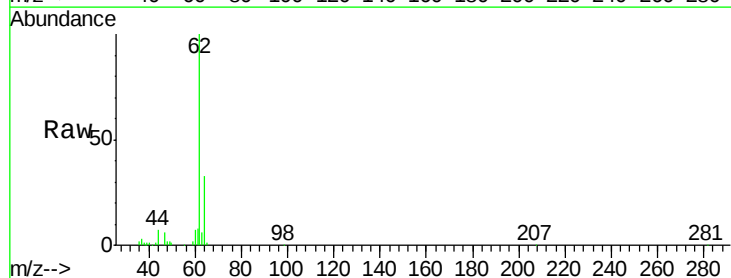
Acq: 22 Oct 2020 14:35

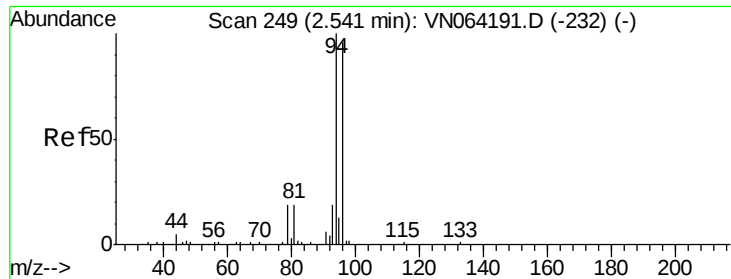
Tgt Ion: 62 Resp: 69853

Ion Ratio Lower Upper

62 100

64 32.7 24.4 36.6





#5

Bromomethane

Concen: 24.325 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 47410

Ion Ratio Lower Upper

94 100

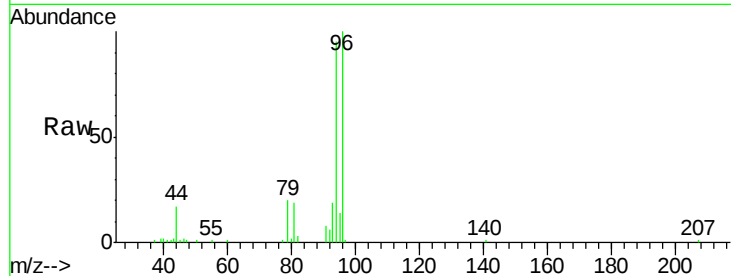
96 105.2 76.6 115.0

Manual Integrations

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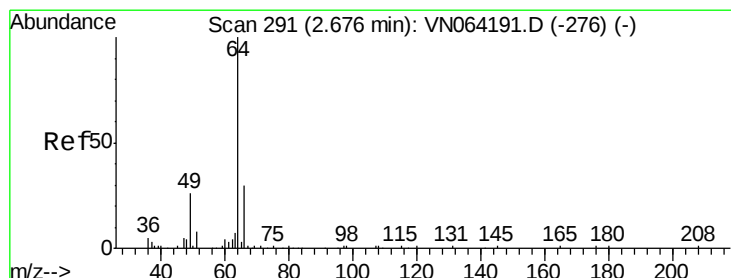
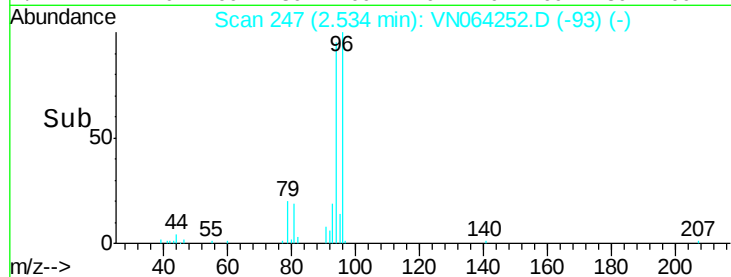
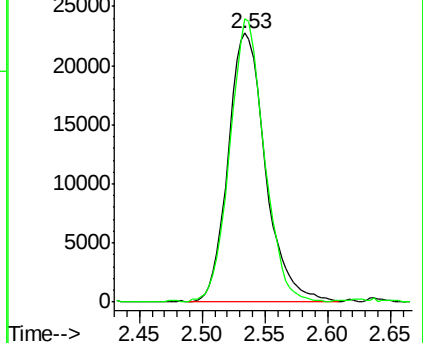
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.711 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064252.D

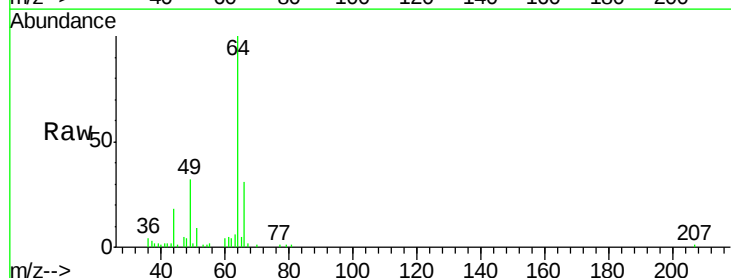
Acq: 22 Oct 2020 14:35

Tgt Ion: 64 Resp: 41195

Ion Ratio Lower Upper

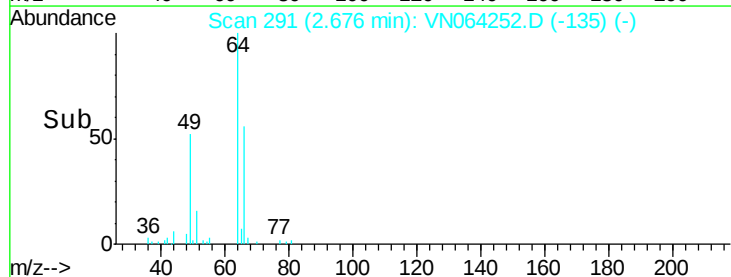
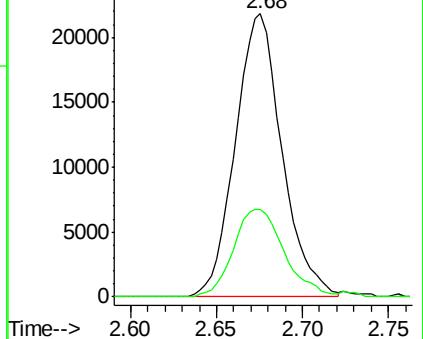
64 100

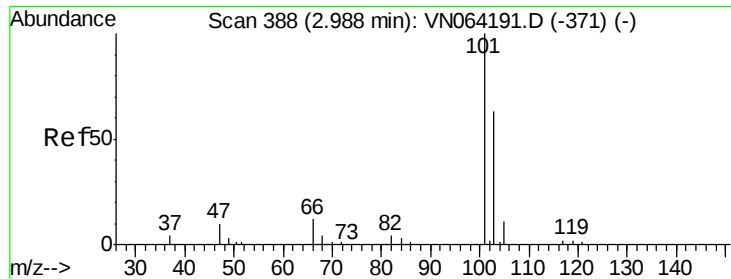
66 31.0 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

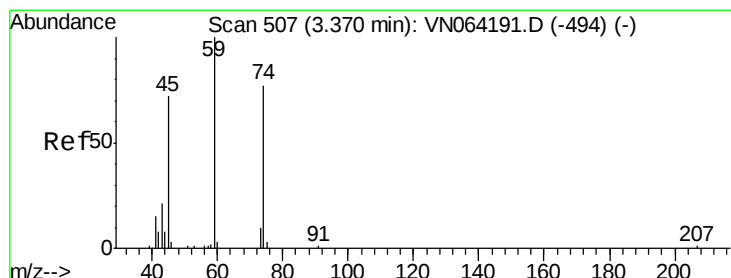
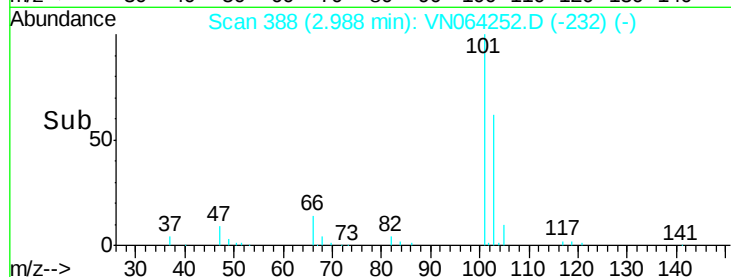
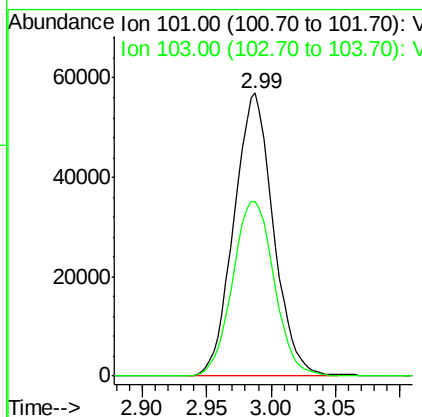
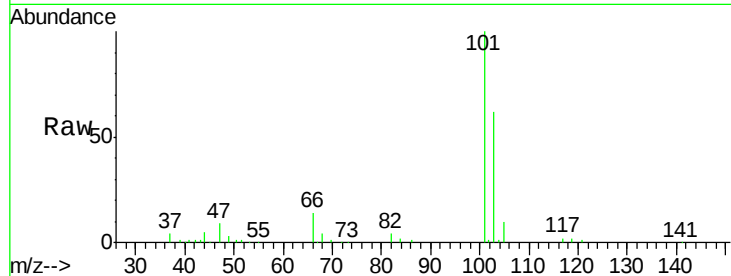
Trichlorofluoromethane
 Concen: 23.166 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064252.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.7	76.1

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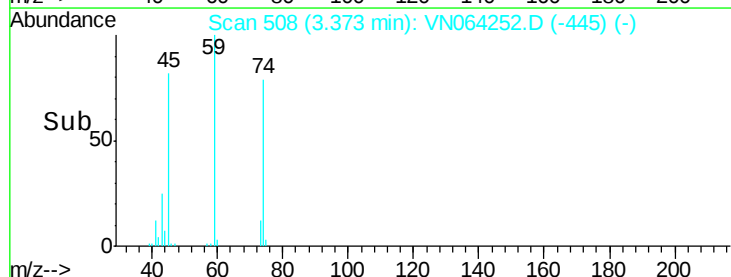
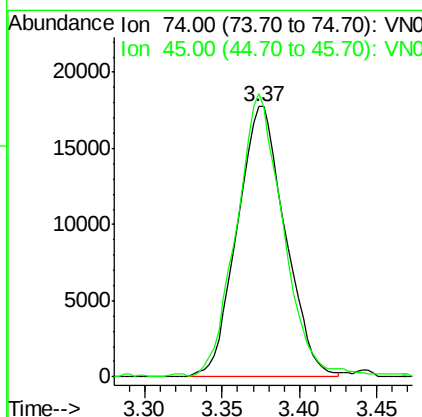
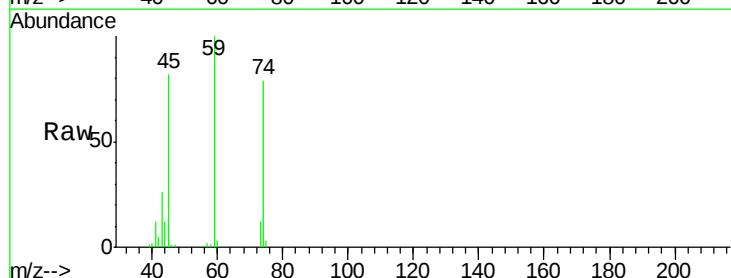
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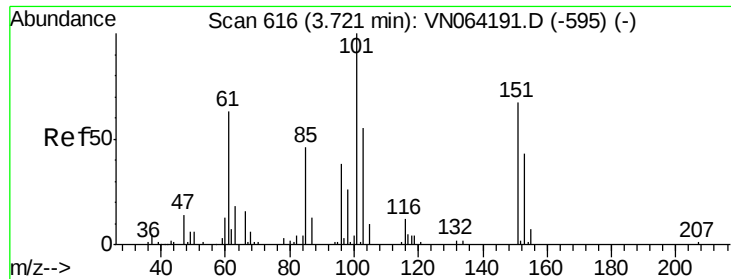


#8

Diethyl Ether
 Concen: 21.576 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	19.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.669 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

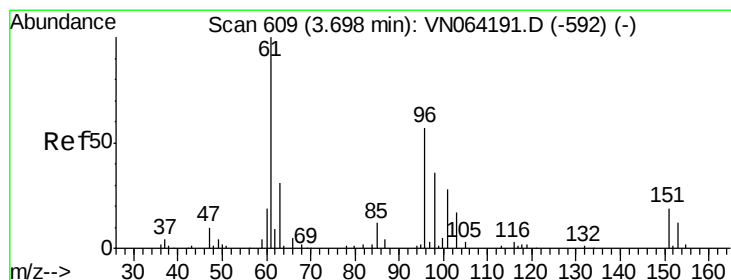
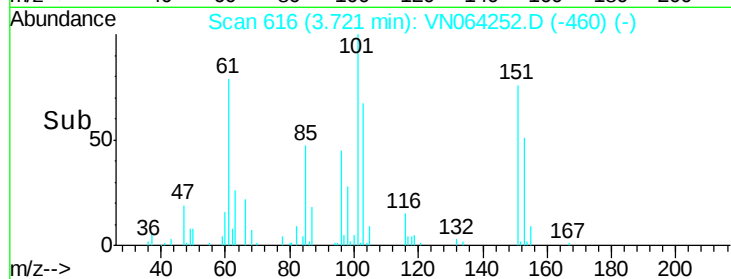
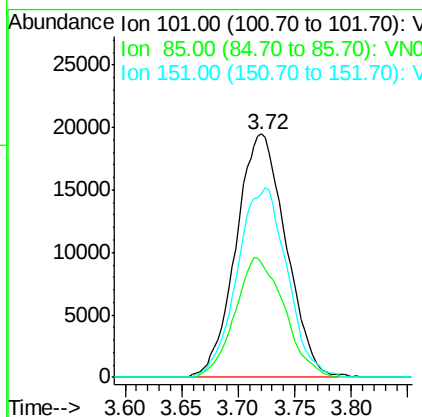
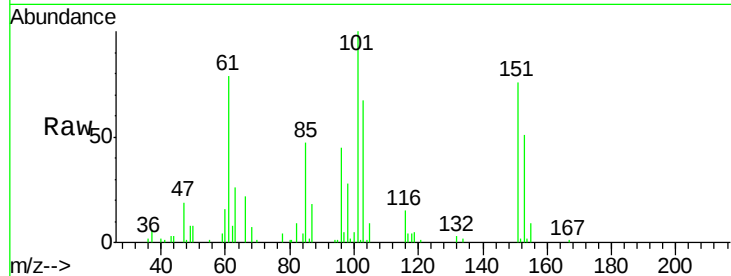
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	59810
Ion Ratio	Lower	Upper	
101	100		
85	48.5	0.0	94.0
151	77.9	0.0	146.6

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#10

1,1-Dichloroethene

Concen: 20.262 ug/l

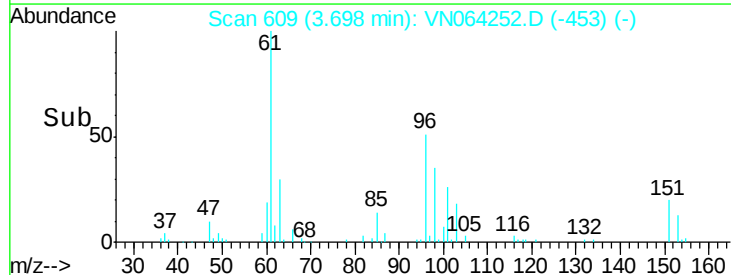
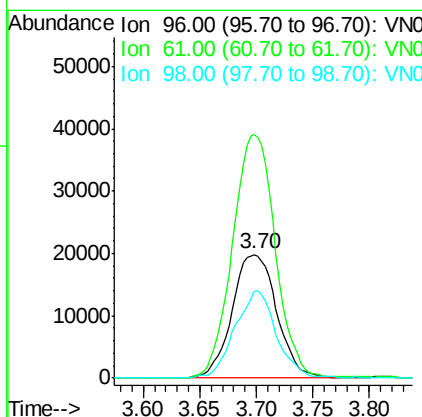
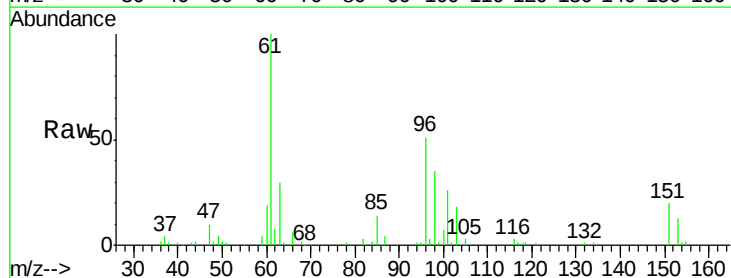
RT: 3.70 min Scan# 609

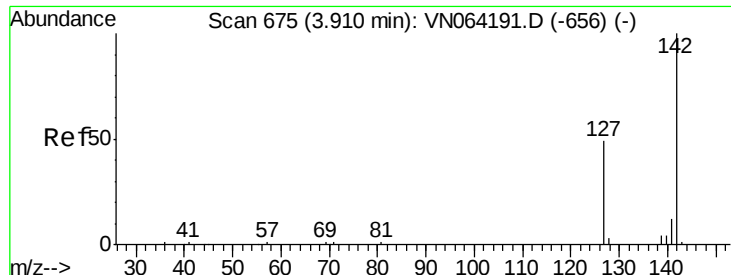
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	96	Resp:	54453
Ion Ratio	Lower	Upper	
96	100		
61	196.7	141.0	211.4
98	69.5	51.4	77.2





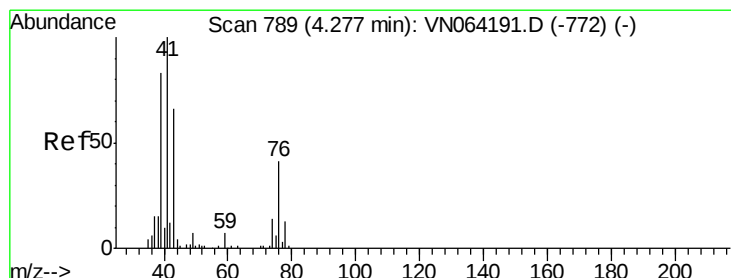
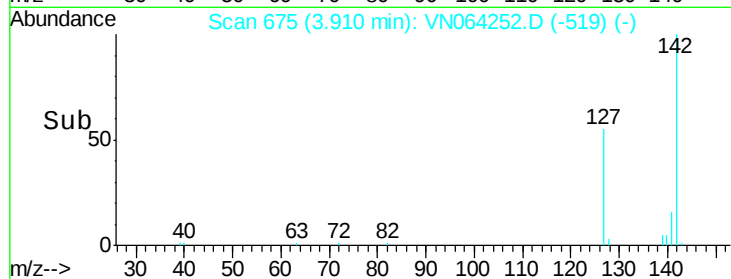
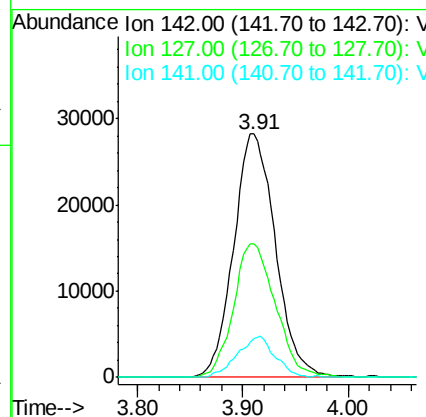
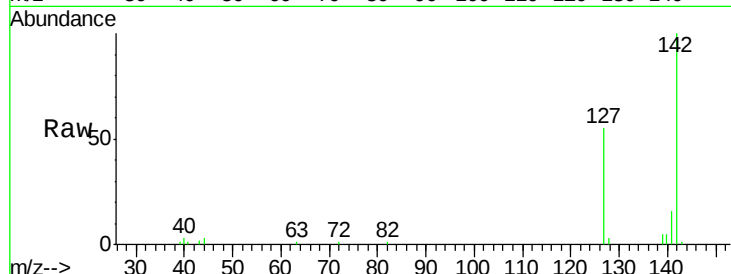
#11
Methyl Iodide
Concen: 20.062 ug/l
RT: 3.91 min Scan# 675
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	55.2	24.5	73.5
141	15.9	6.0	18.1

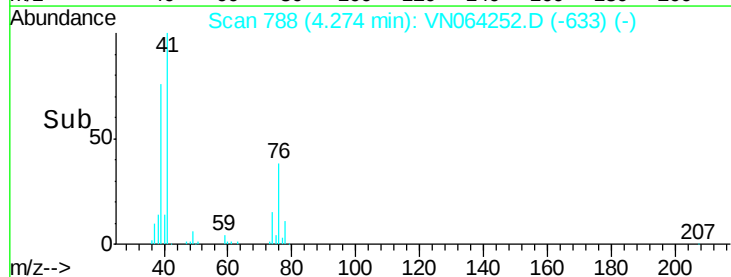
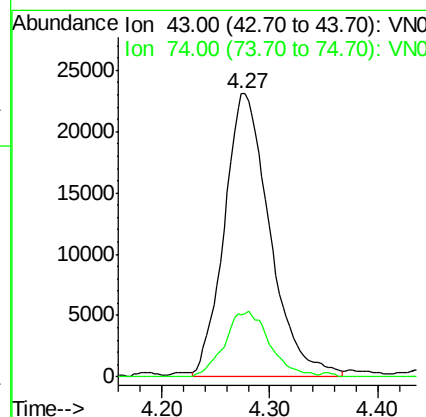
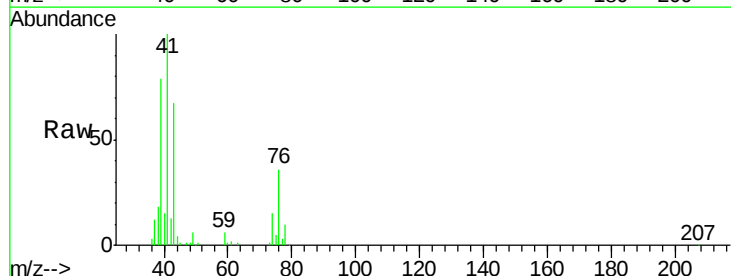
Manual Integrations
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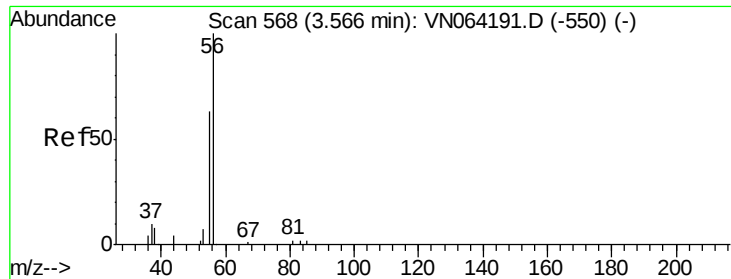
MMDadoda
10/23/2020 3:41:05 PM



#12
Methyl Acetate
Concen: 24.030 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	16.2	24.2





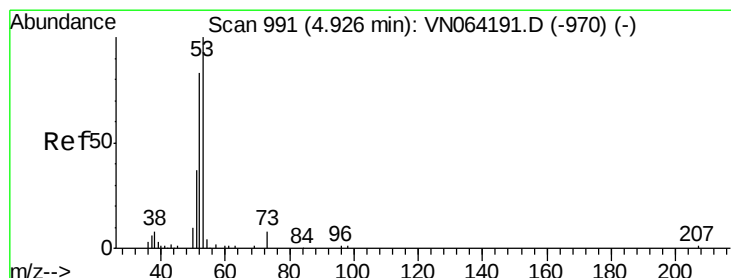
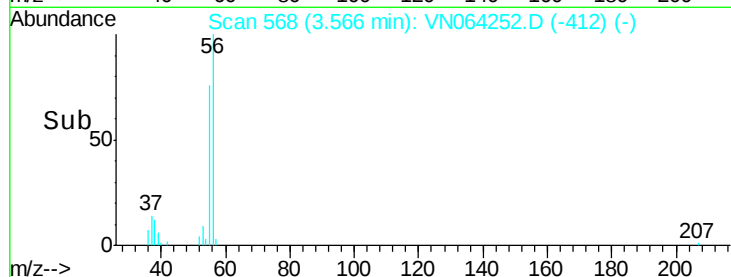
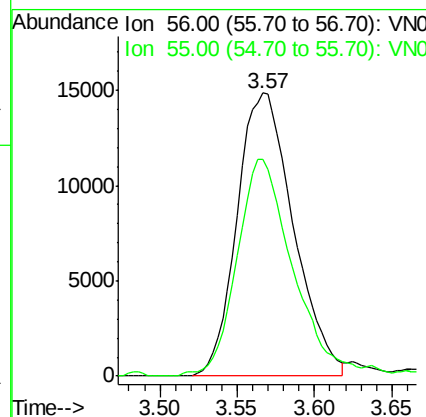
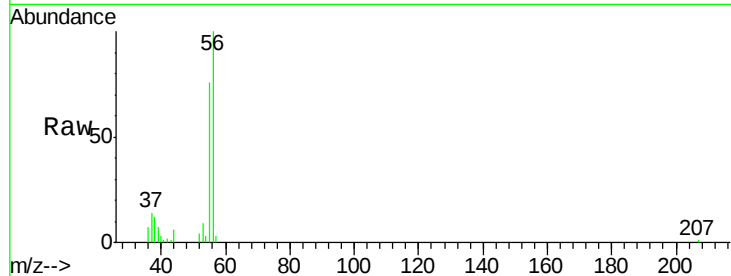
#13
Acrolein
Concen: 121.200 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	56	Resp	37537
Ion Ratio	100	Lower	Upper
55	75.4	0.5	0.7#

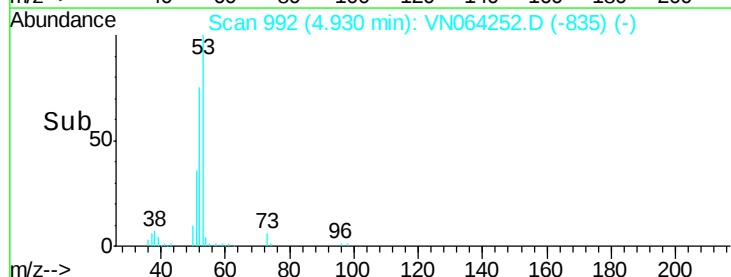
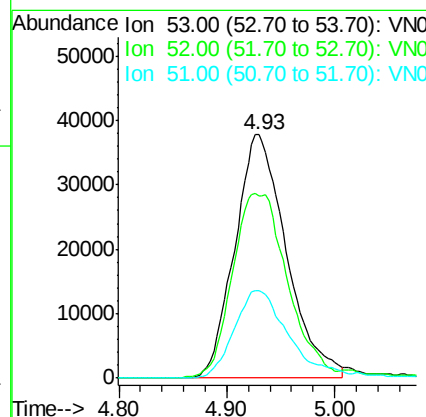
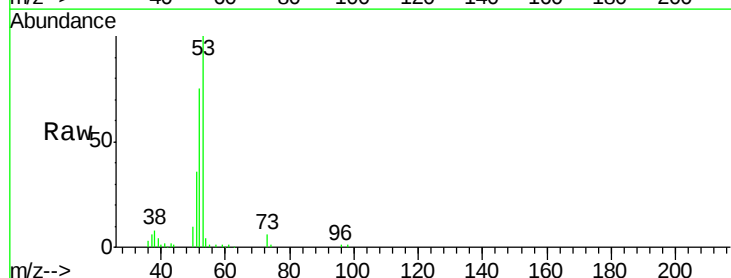
Manual Integrations
APPROVED

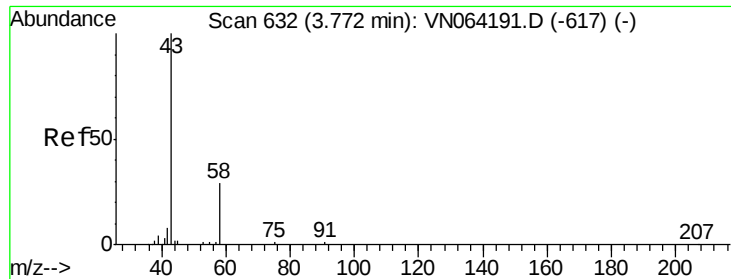
MMDadoda
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#14
Acrylonitrile
Concen: 110.060 ug/l
RT: 4.93 min Scan# 992
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	53	Resp	125626
Ion Ratio	100	Lower	Upper
52	40.0	41.3	123.9#
51	37.7	18.1	54.1





#15

Acetone

Concen: 117.129 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 58 Resp: 36097

Ion Ratio Lower Upper

58 100

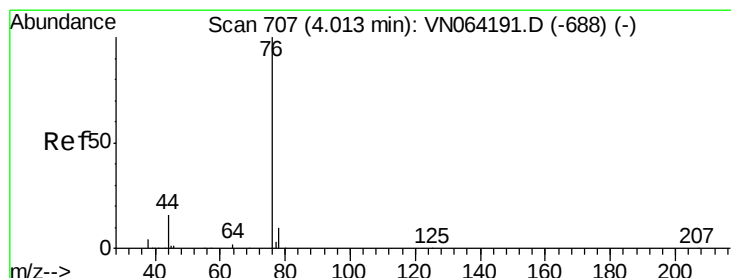
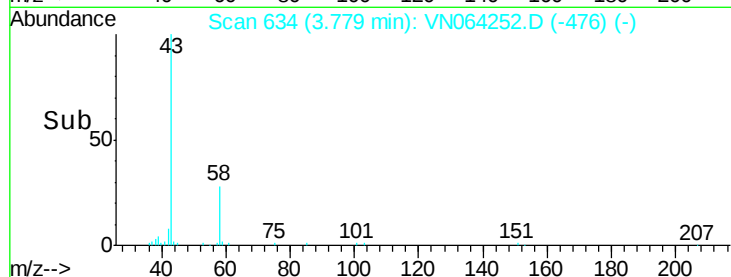
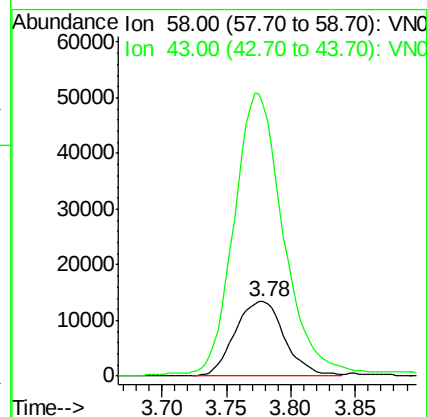
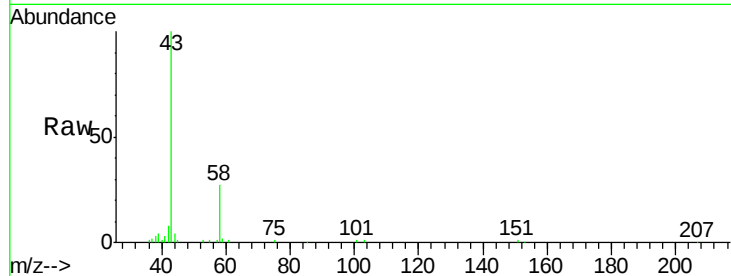
43 359.6 272.1 408.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 20.786 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064252.D

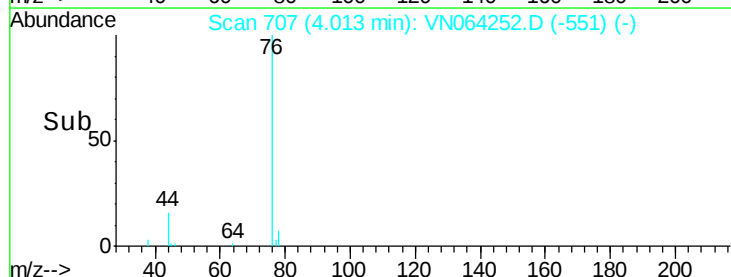
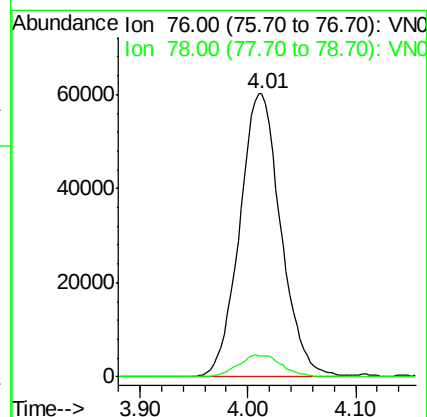
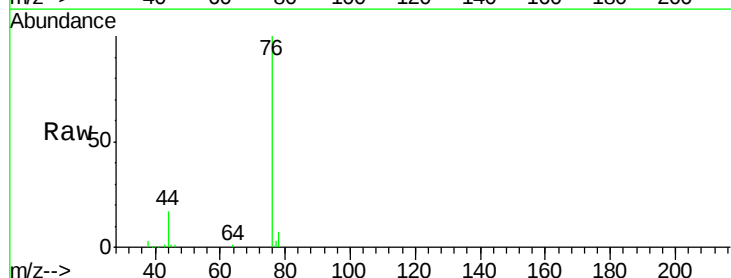
Acq: 22 Oct 2020 14:35

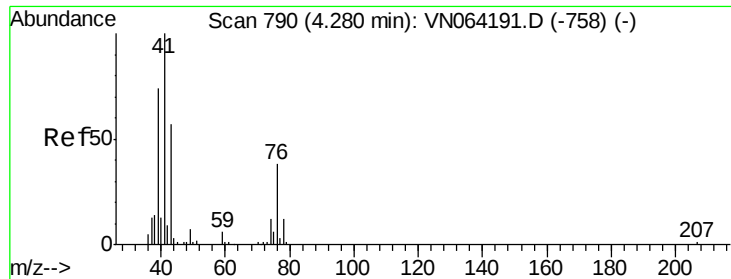
Tgt Ion: 76 Resp: 159745

Ion Ratio Lower Upper

76 100

78 7.4 7.7 11.5#





#17

Allvl chloride

Concen: 21.960 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

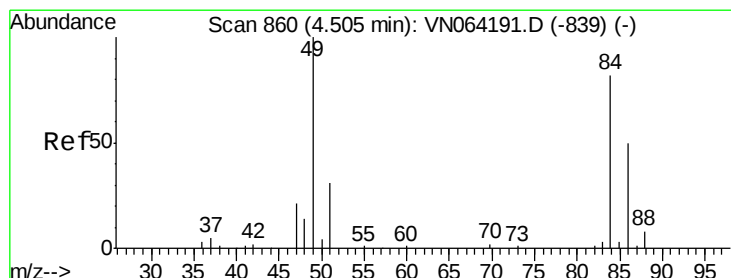
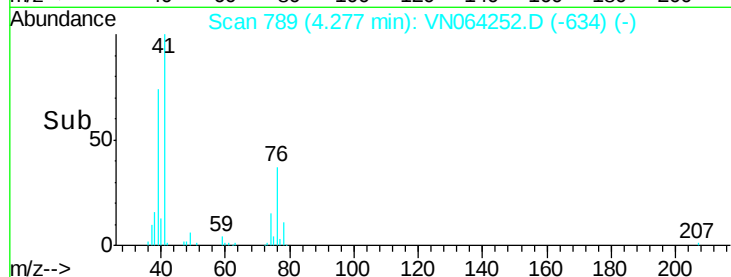
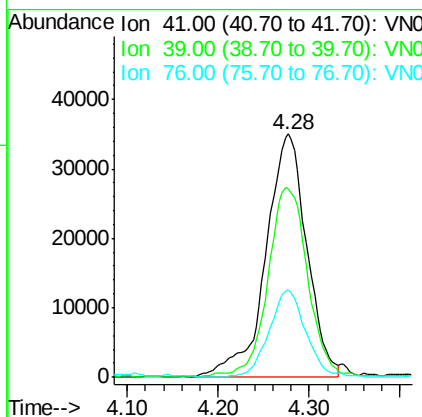
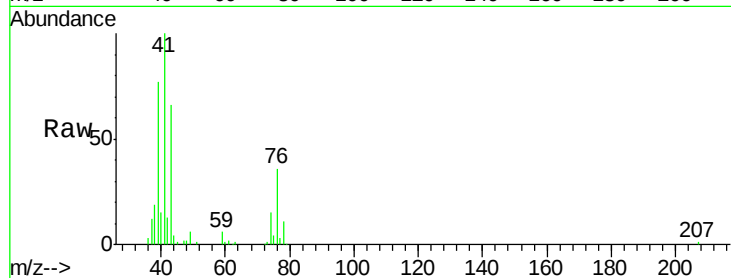
ClientSampleId :

VSTDCCC020

Tot Ion:	41	Resp:	109733
Ion	Ratio	Lower	Upper
41	100		
39	77.2	36.8	110.4
76	35.5	18.8	56.4

Manual Integrations
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#18

Methylene Chloride

Concen: 21.261 ug/l

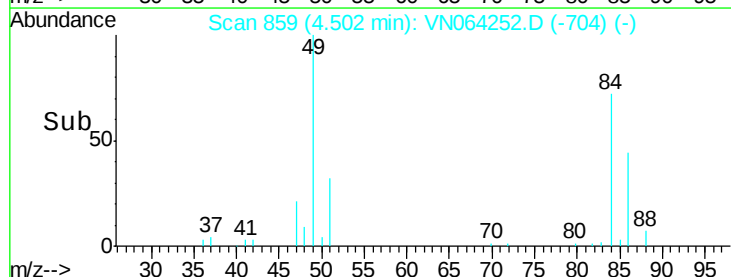
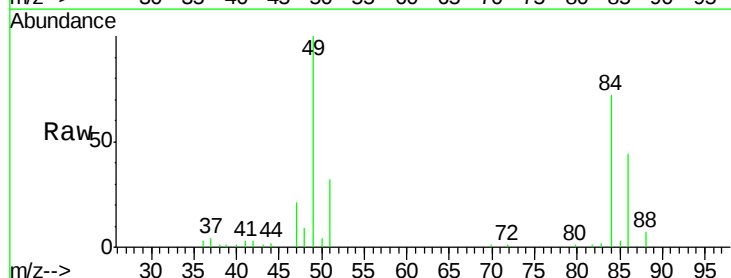
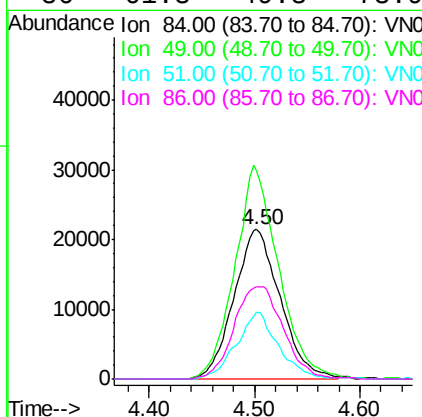
RT: 4.50 min Scan# 859

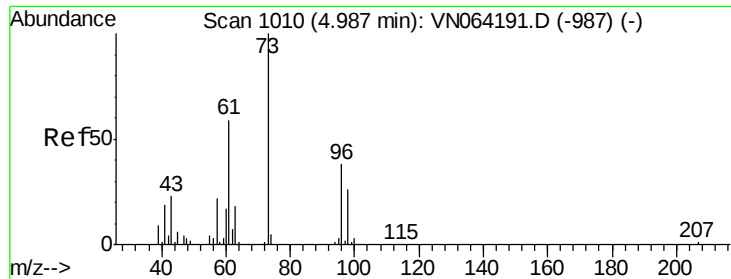
Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	84	Resp:	65348
Ion	Ratio	Lower	Upper
84	100		
49	139.8	97.6	146.4
51	44.2	31.1	46.7
86	61.3	49.3	73.9





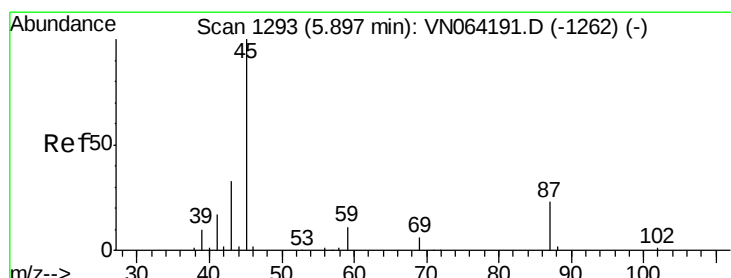
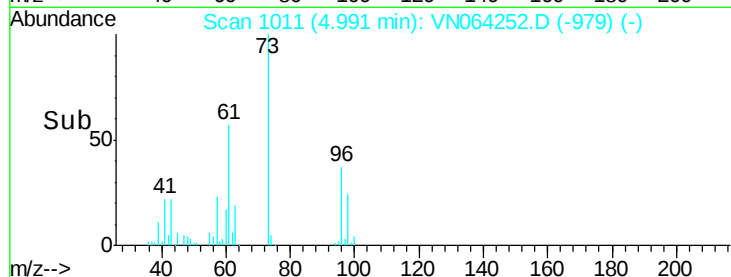
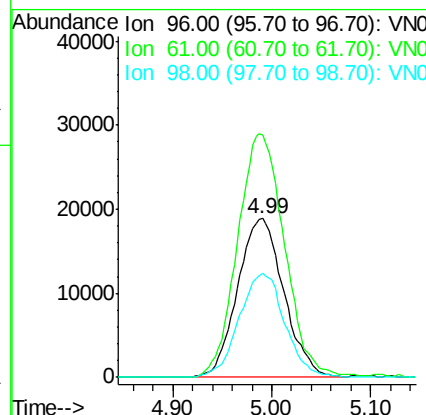
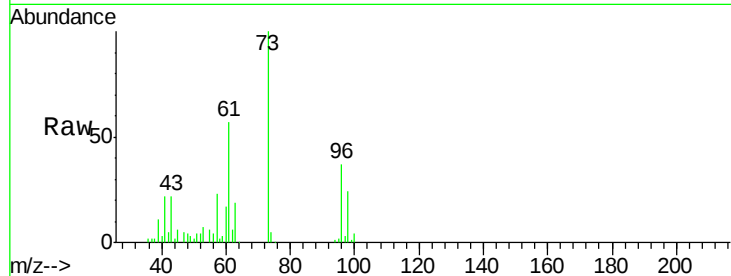
#19
trans-1,2-Dichloroethene
Concen: 21.199 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.5	125.5	188.3
98	65.3	54.7	82.1

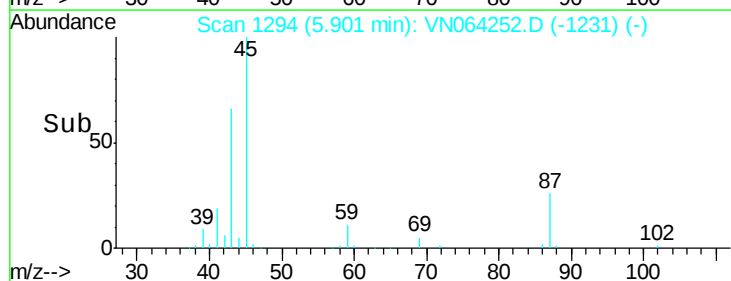
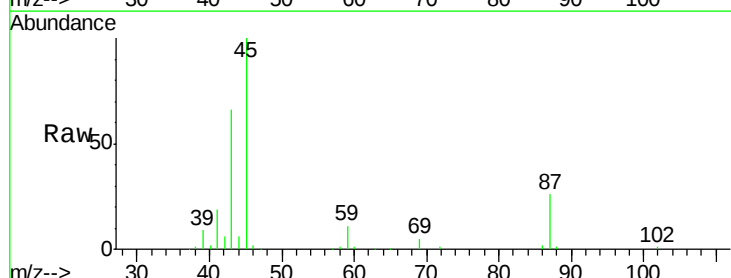
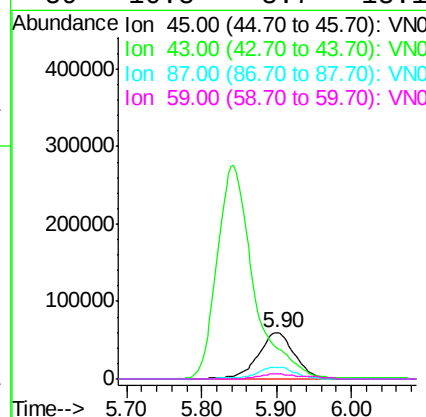
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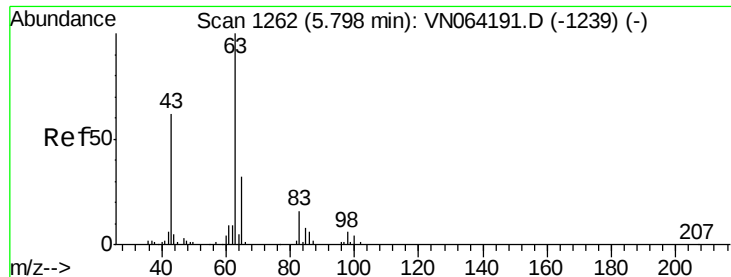
MMDadoda
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#20
Diisopropyl ether
Concen: 22.106 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.3	55.1	82.7
87	25.4	19.4	29.2
59	10.8	8.7	13.1





#21

1,1-Dichloroethane

Concen: 21.871 ug/l m

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

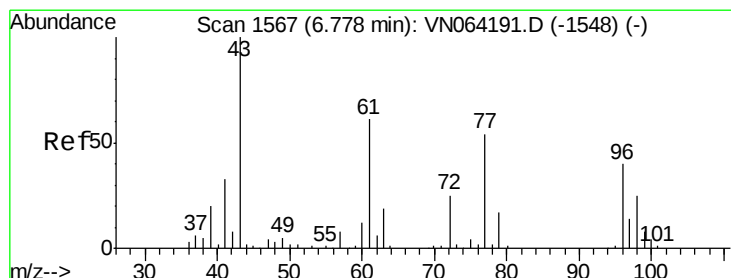
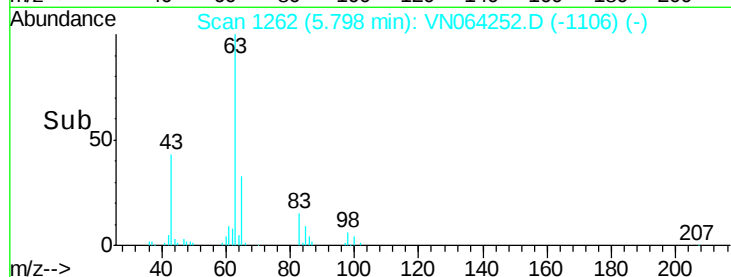
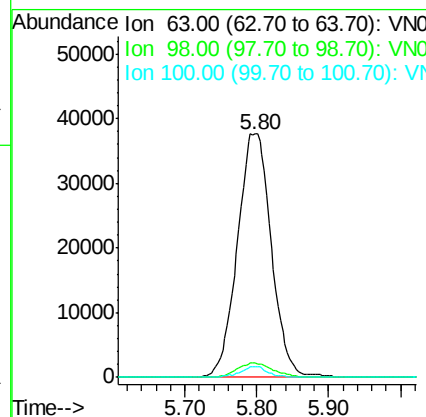
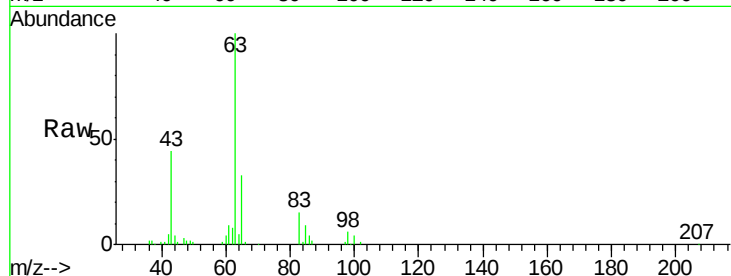
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	123307		
98	5.8		2.9	8.7
100	4.3		2.1	6.3

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#22

cis-1,2-Dichloroethene

Concen: 21.467 ug/l

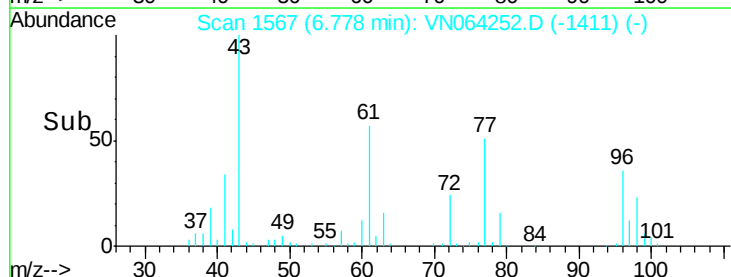
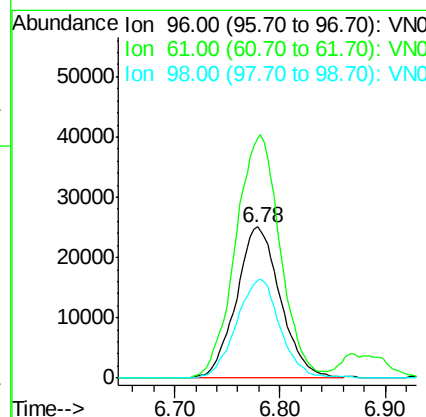
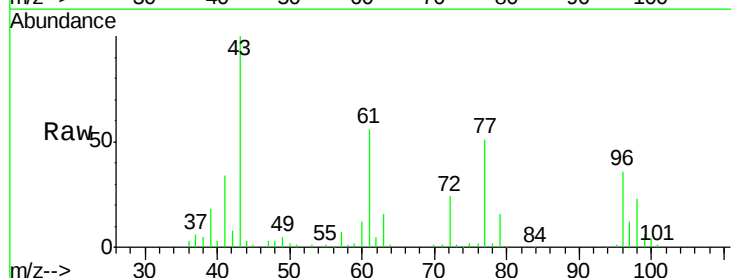
RT: 6.78 min Scan# 1567

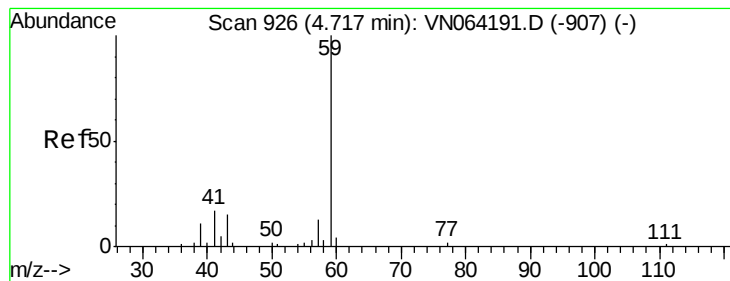
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	72751		
61	163.0		126.2	189.4
98	64.4		50.2	75.4





#23

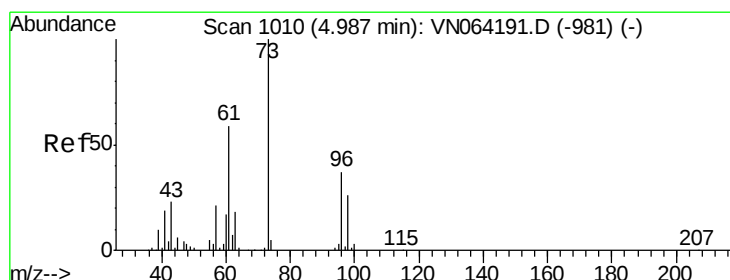
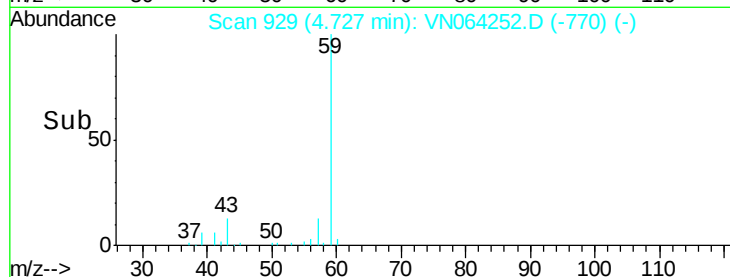
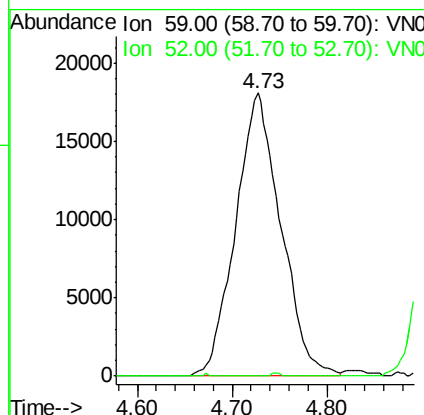
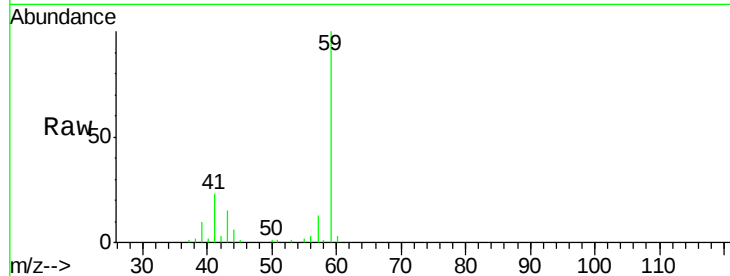
tert-Butyl Alcohol
 Concen: 113.582 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	59964		
52	52	0.2		0.0	0.0#

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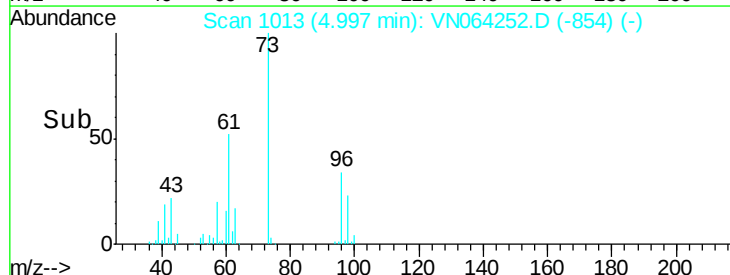
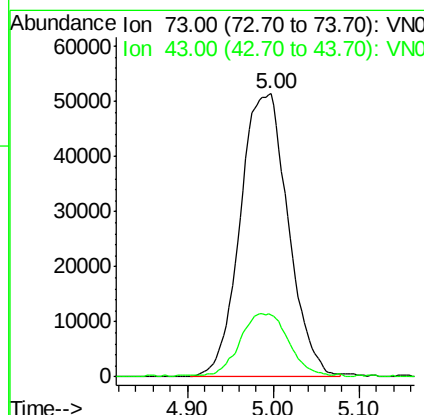
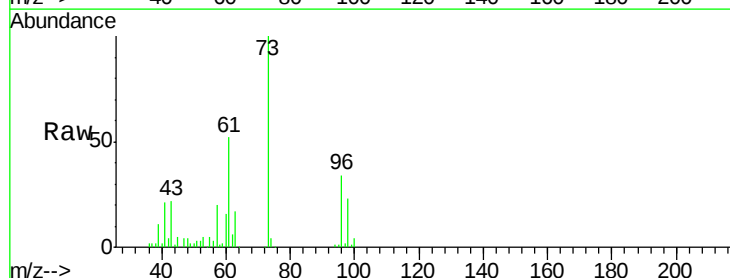
MMDadoda
 10/23/2020 3:41:05 PM

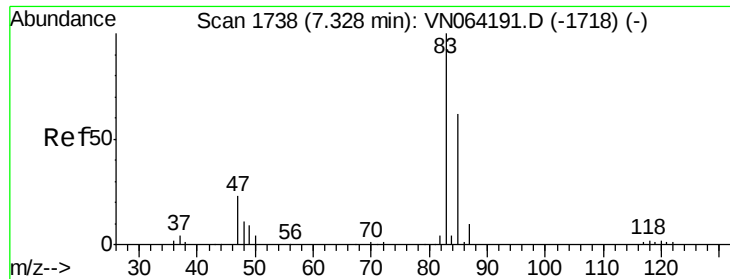


#24

Methyl tert-Butyl Ether
 Concen: 22.471 ug/l
 RT: 5.00 min Scan# 1013
 Delta R.T. 0.01 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	73	100	199551		
43	43	11.8		18.2	27.2#





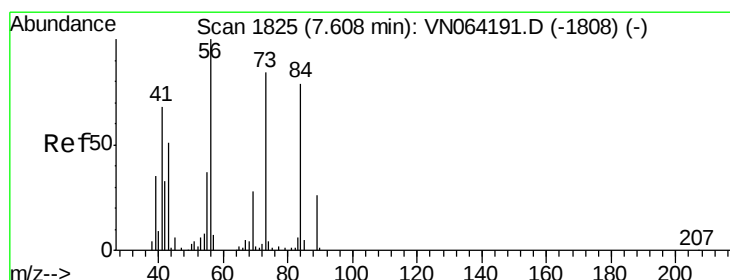
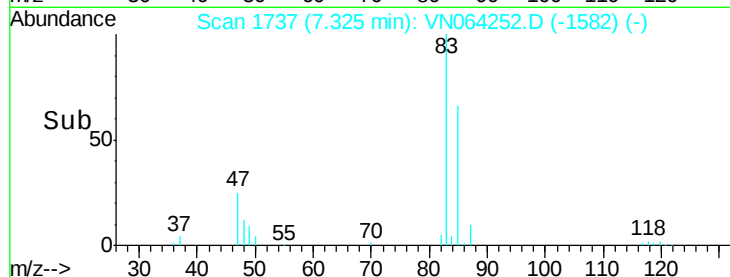
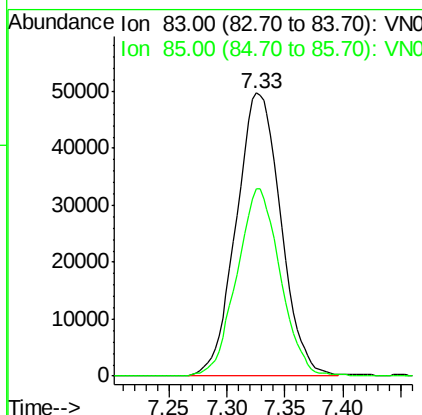
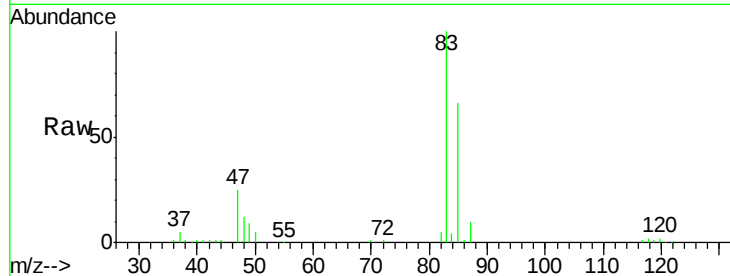
#25
Chloroform
Concen: 22.766 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	133357
Ion Ratio	100	Lower	Upper
85	66.1	49.7	74.5

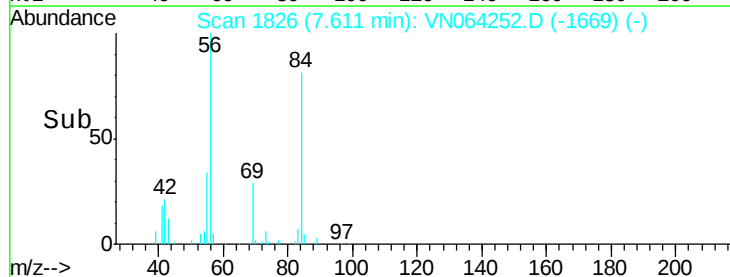
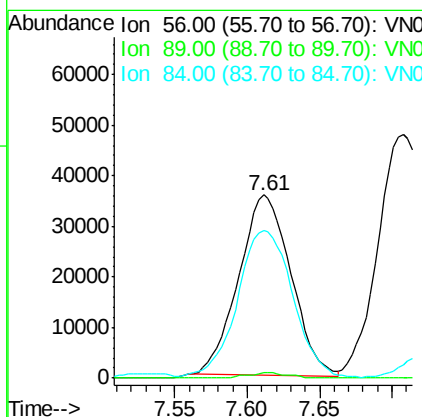
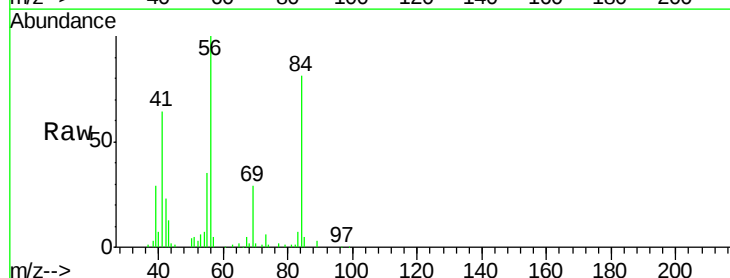
Manual Integrations
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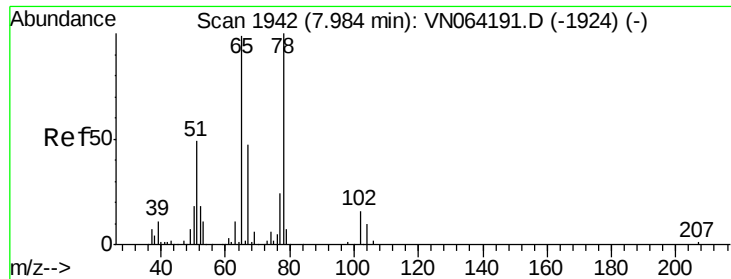
MMDadoda
10/23/2020 3:41:05 PM



#26
Cyclohexane
Concen: 19.959 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	56	Resp	89220
Ion Ratio	100	Lower	Upper
89	1.8	21.4	32.0#
84	85.9	65.8	98.6





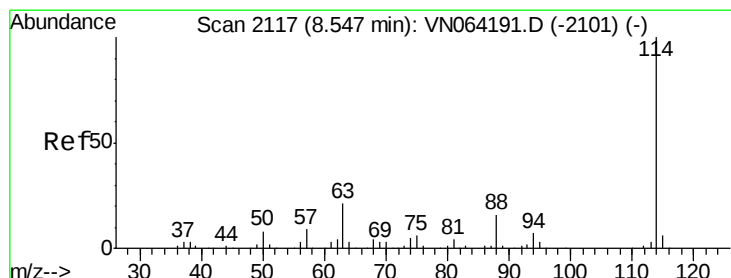
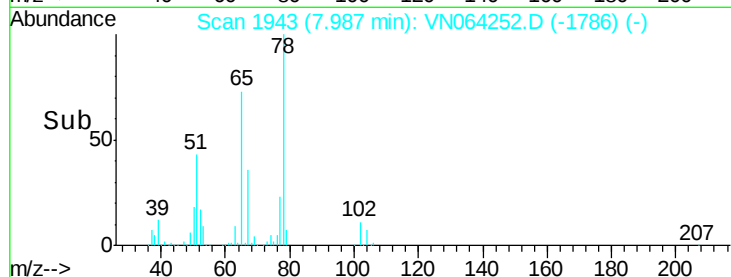
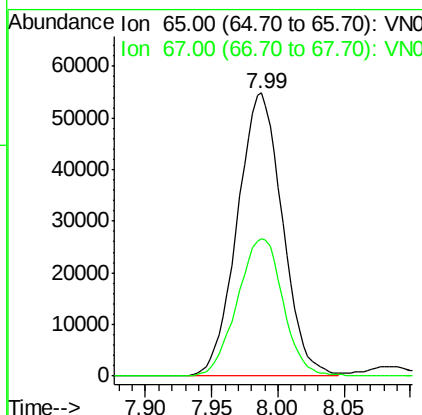
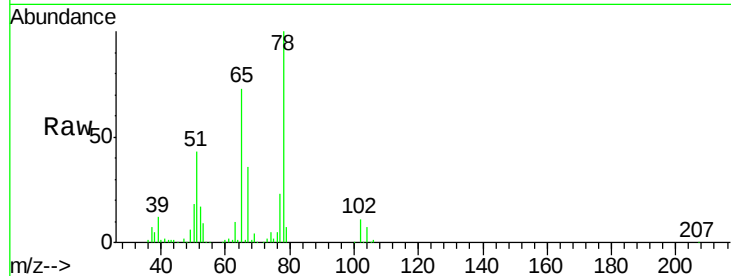
#27
 1,2-Dichloroethane-d4
 Concen: 33.665 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 65 Resp: 129809
 Ion Ratio Lower Upper
 65 100
 67 49.0 39.8 59.6

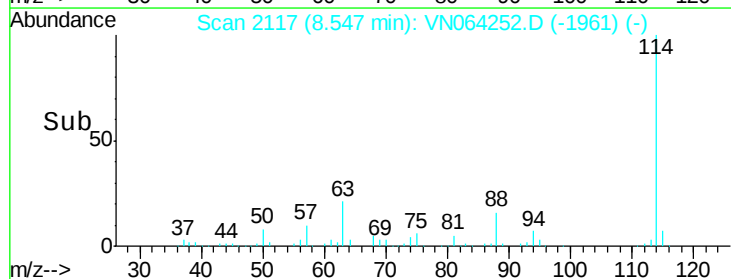
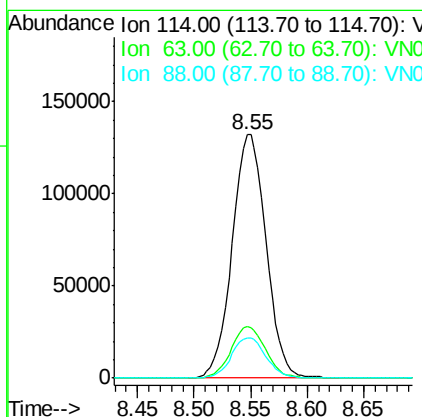
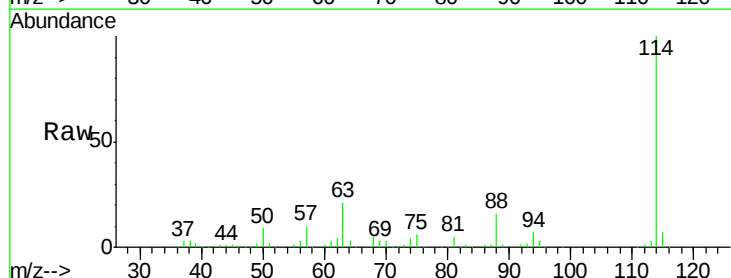
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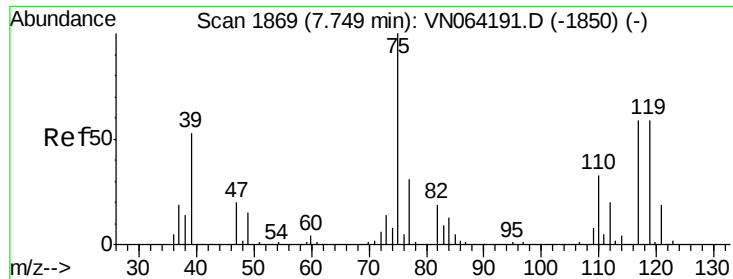
MMDadoda
 10/23/2020 3:41:05 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion: 114 Resp: 275918
 Ion Ratio Lower Upper
 114 100
 63 21.6 17.0 25.4
 88 16.7 13.0 19.4





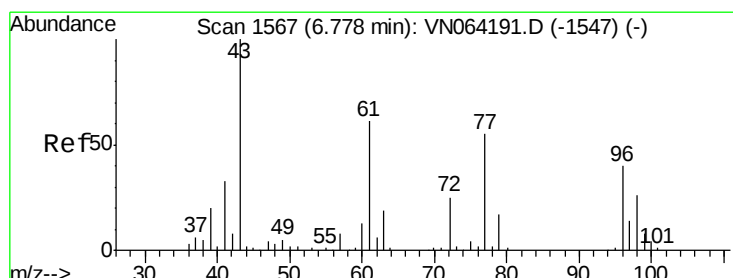
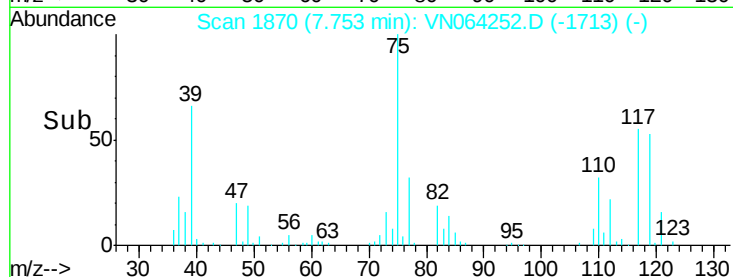
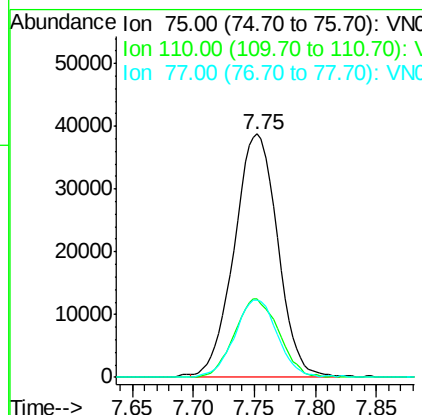
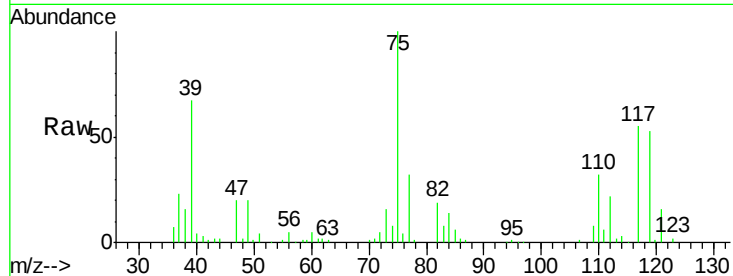
#29
 1,1-Dichloropropene
 Concen: 20.915 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.6	0.0	66.8
77	31.3	0.0	63.6

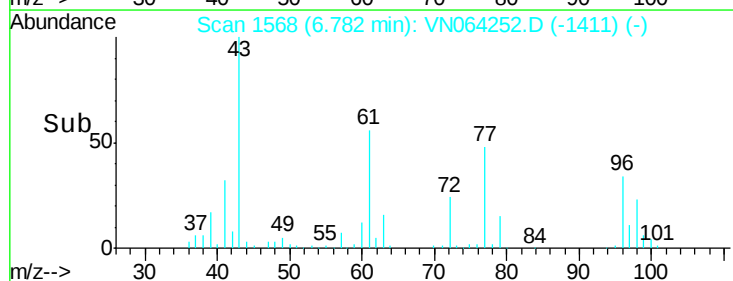
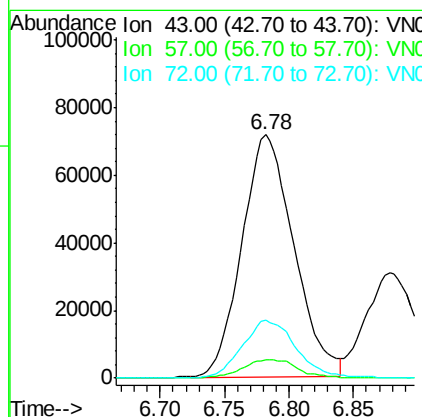
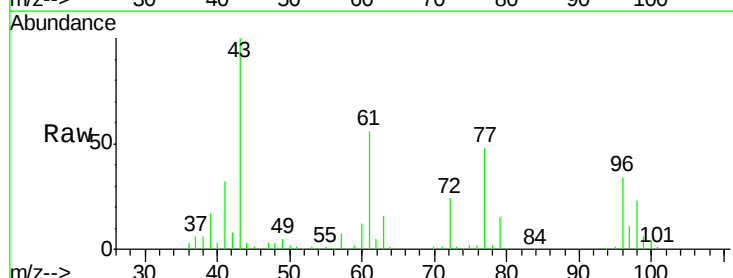
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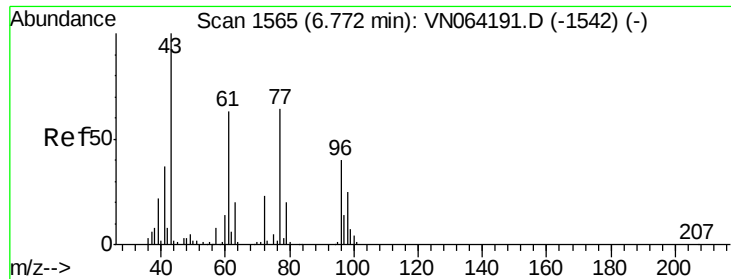
MMDadoda
 10/23/2020 3:41:05 PM



#30
 2-Butanone
 Concen: 107.137 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.0	5.8	8.6
72	24.5	19.8	29.8





#31

2,2-Dichloropropane

Concen: 20.147 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 77 Resp: 117204

Ion Ratio Lower Upper

77 100

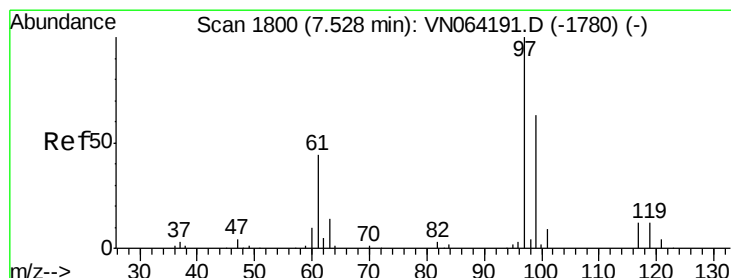
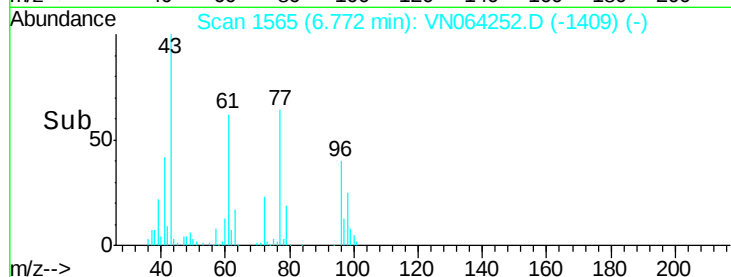
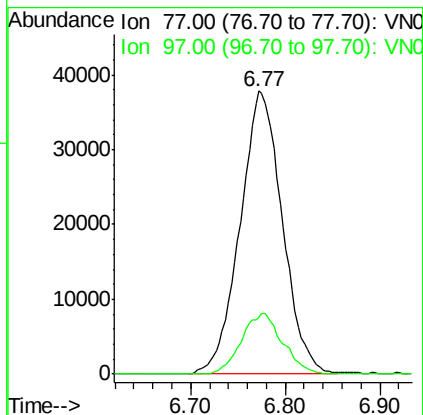
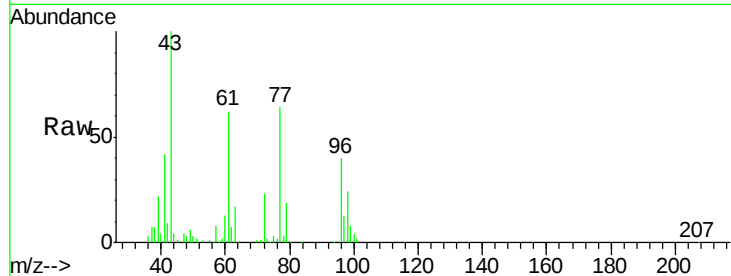
97 20.8 17.3 25.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 21.445 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

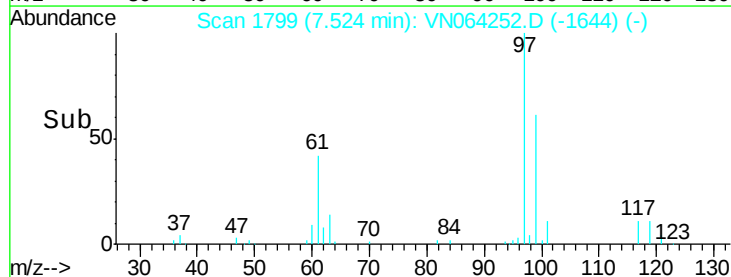
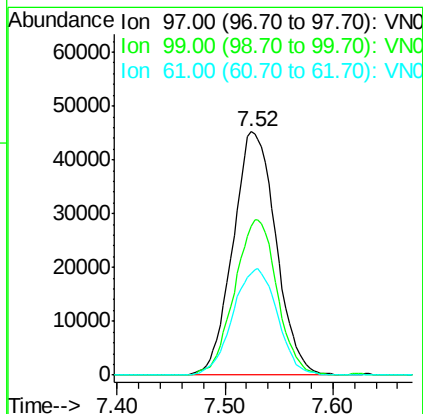
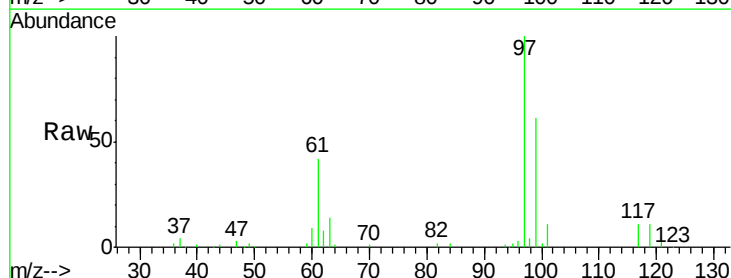
Tgt Ion: 97 Resp: 125203

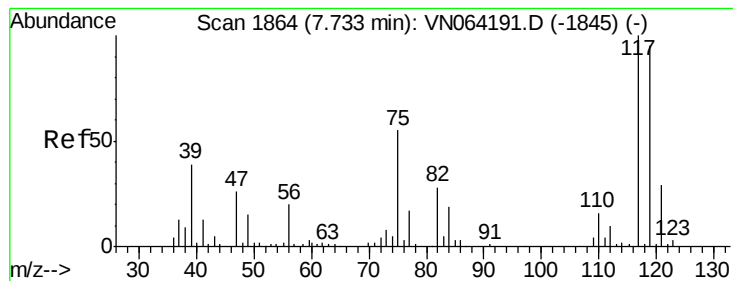
Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

61 45.3 34.8 52.2





#33

Carbon Tetrachloride

Concen: 20.691 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

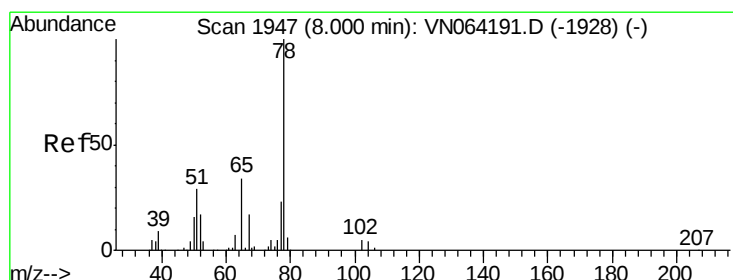
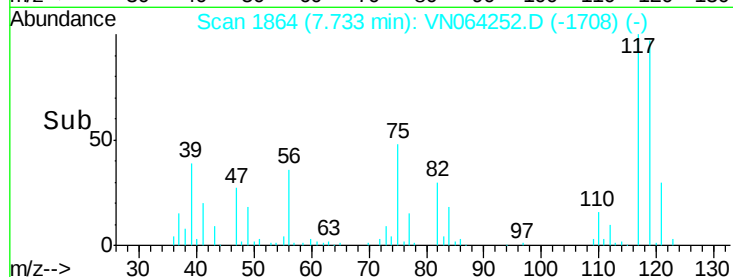
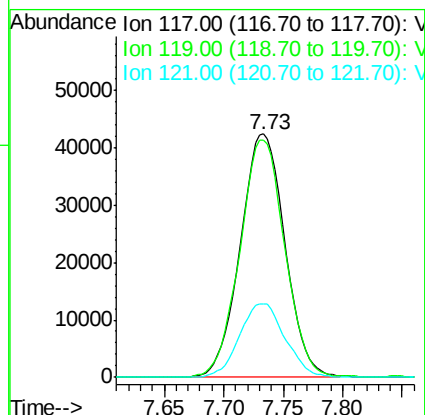
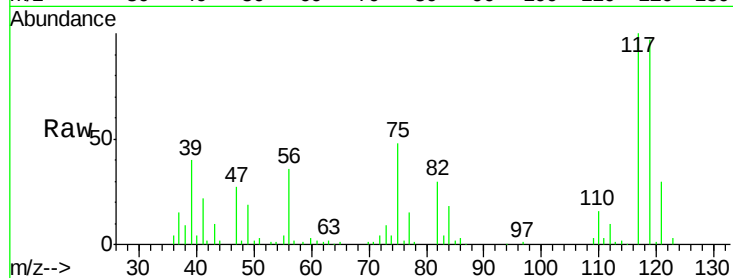
ClientSampleId :

VSTDCCC020

Tot Ion:	117	Resp:	110129
Ion Ratio	Lower	Upper	
117	100		
119	97.3	76.0	114.0
121	30.3	23.0	34.6

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#34

Benzene

Concen: 20.673 ug/l

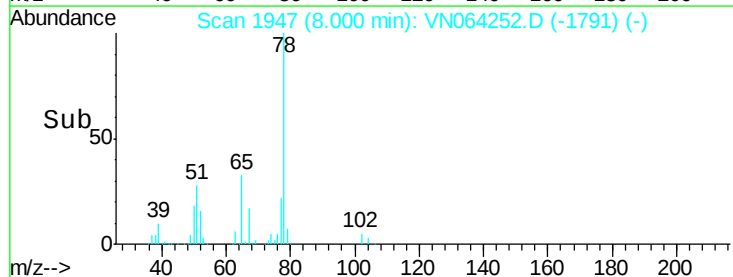
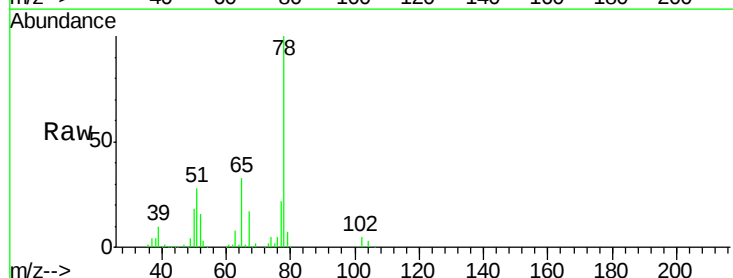
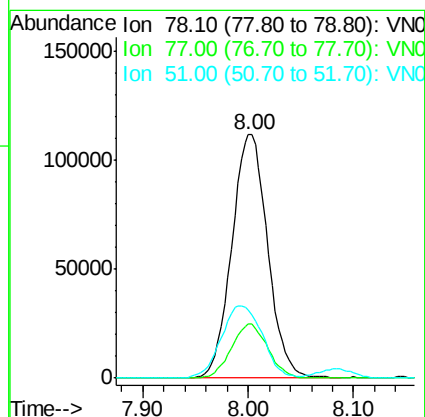
RT: 8.00 min Scan# 1947

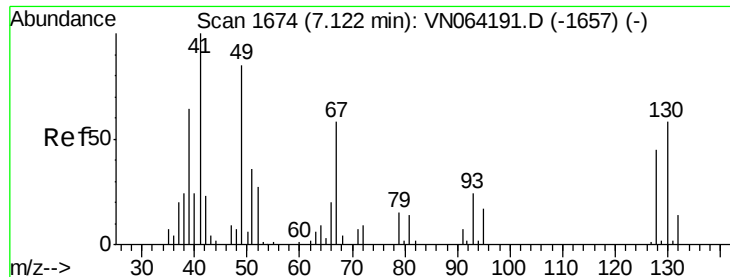
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	78	Resp:	263794
Ion Ratio	Lower	Upper	
78	100		
77	22.4	18.4	27.6
51	27.5	23.0	34.6





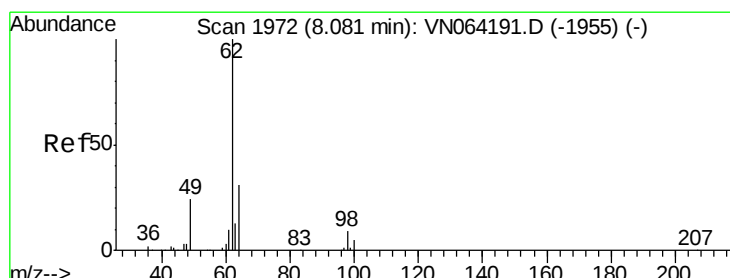
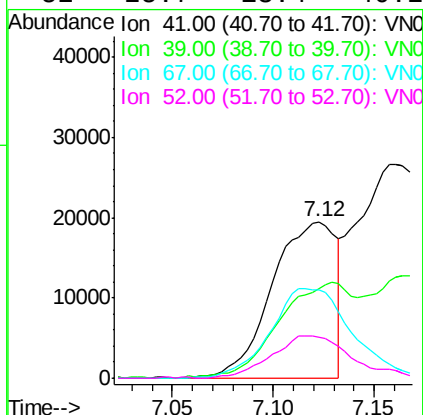
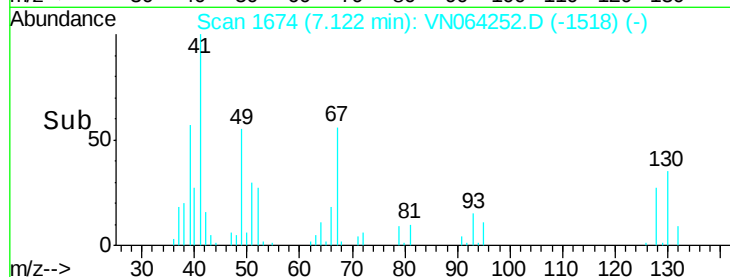
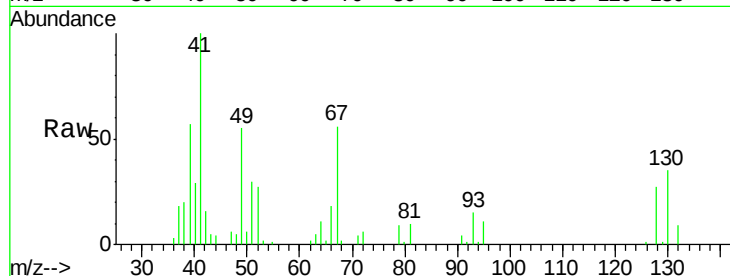
#35
Methacrylonitrile
Concen: 20.701 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.6	32.1	96.3	
67	56.2	28.9	86.8	
52	25.7	13.4	40.2	

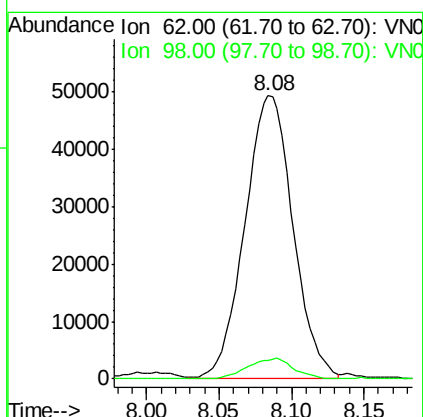
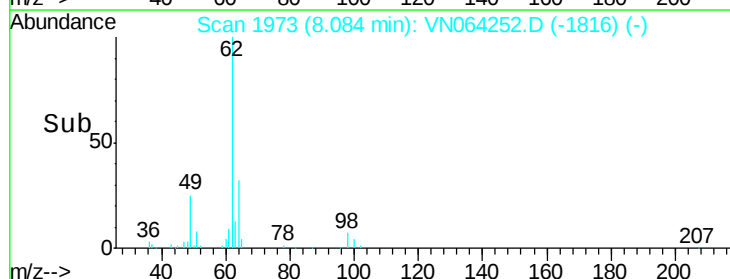
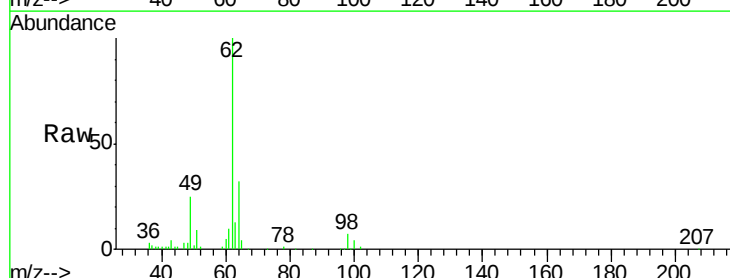
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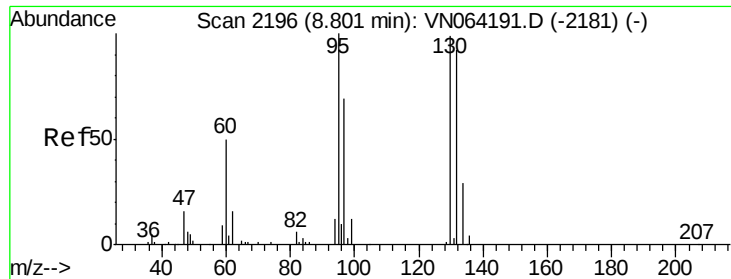
MMDadoda
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#36
1,2-Dichloroethane
Concen: 22.123 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	6.9	6.3	9.5	





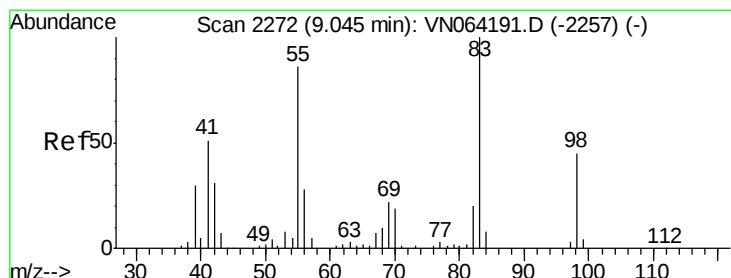
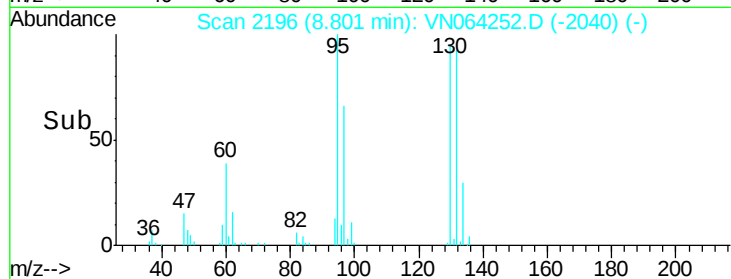
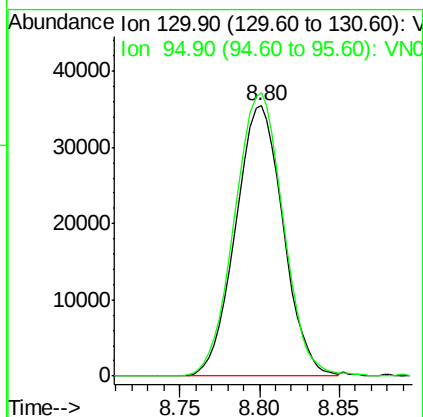
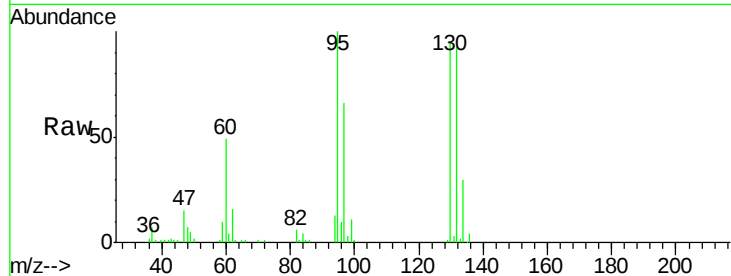
#37
 Trichloroethene
 Concen: 20.525 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:130 Resp: 72110
 Ion Ratio Lower Upper
 130 100
 95 104.2 81.0 121.4

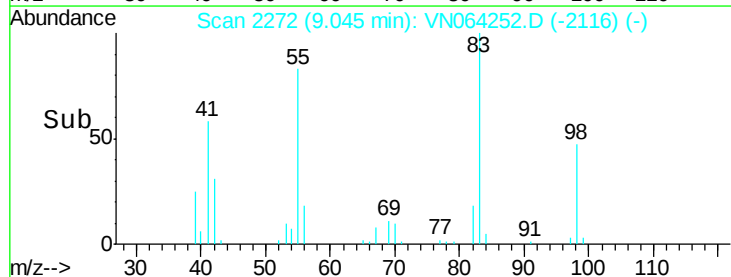
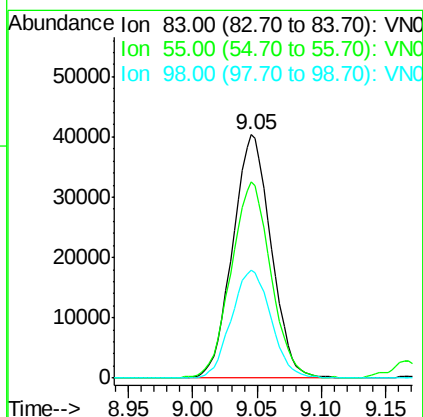
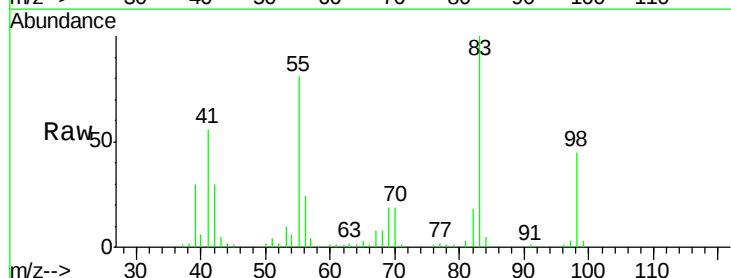
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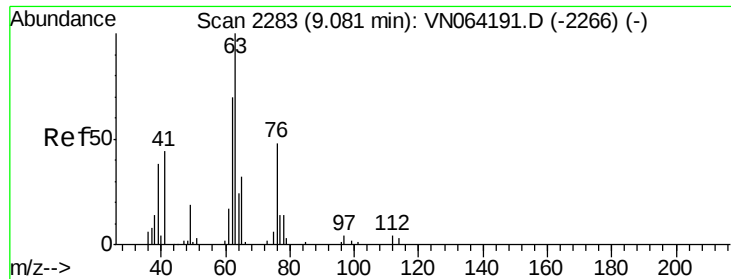
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#38
 Methylcyclohexane
 Concen: 19.077 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion: 83 Resp: 83605
 Ion Ratio Lower Upper
 83 100
 55 83.0 40.3 120.9
 98 45.7 22.4 67.0





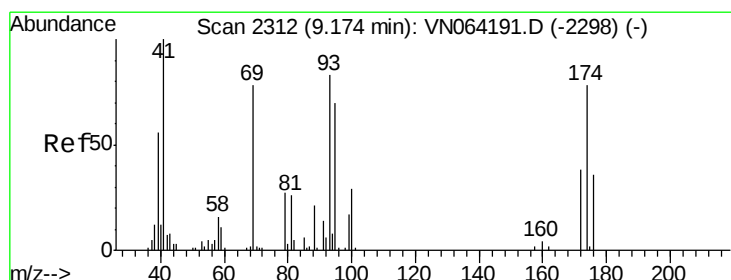
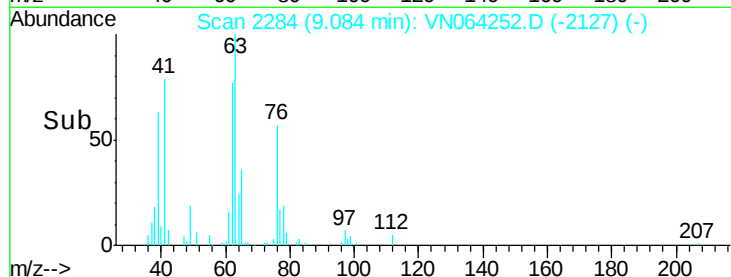
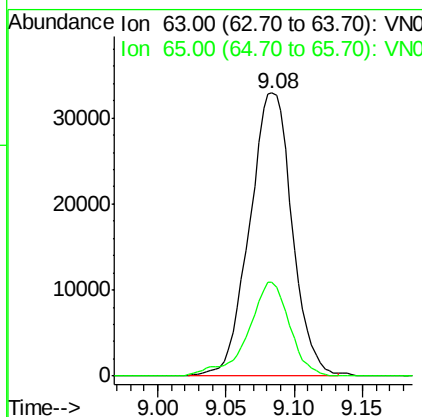
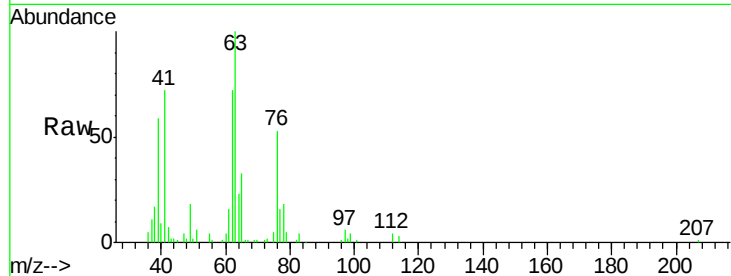
#39
 1,2-Dichloropropane
 Concen: 20.922 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 71244
 Ion Ratio Lower Upper
 63 100
 65 33.3 26.5 39.7

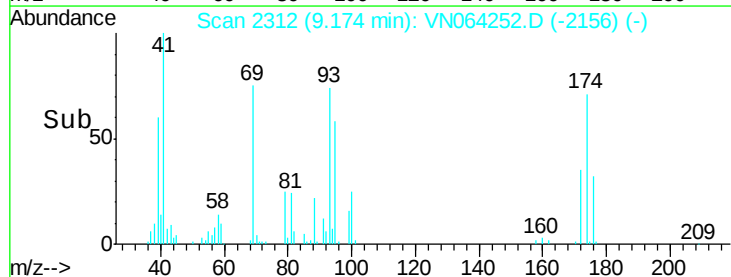
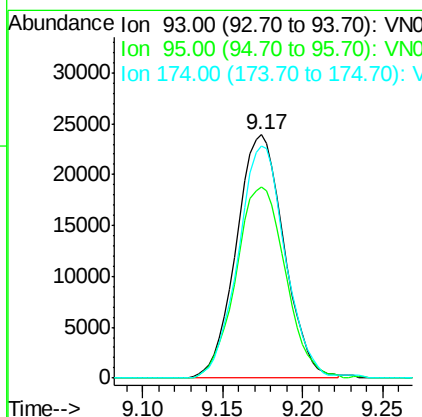
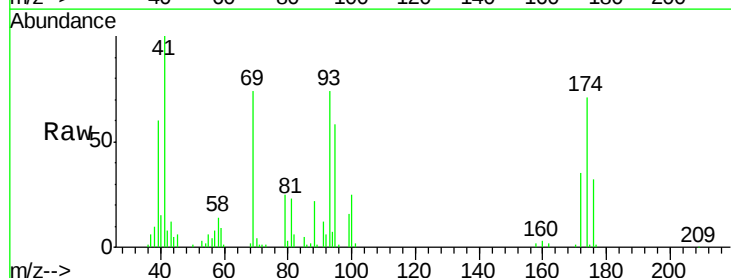
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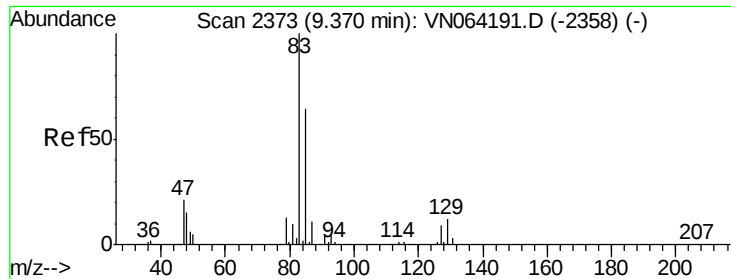
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#40
 Dibromomethane
 Concen: 20.571 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion: 93 Resp: 48738
 Ion Ratio Lower Upper
 93 100
 95 81.4 0.0 169.2
 174 93.6 0.0 187.4





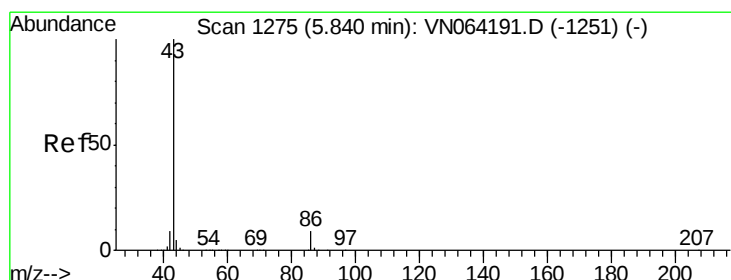
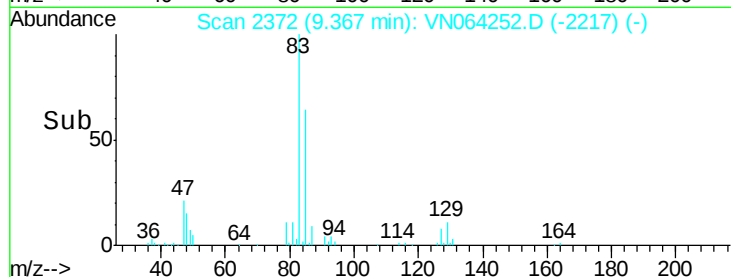
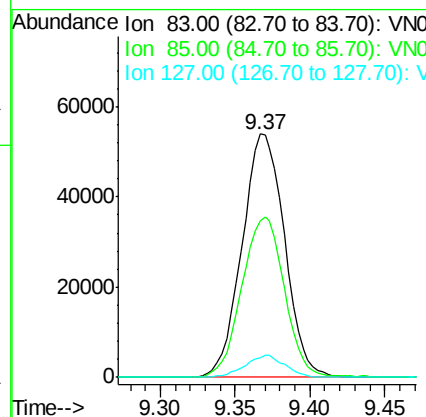
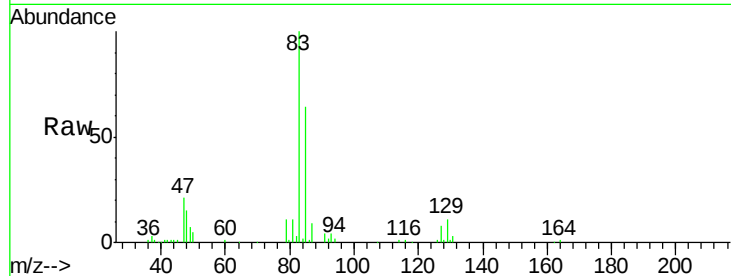
#41
Bromodichloromethane
Concen: 20.827 ug/l
RT: 9.37 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	106793
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	8.2	6.8	10.2

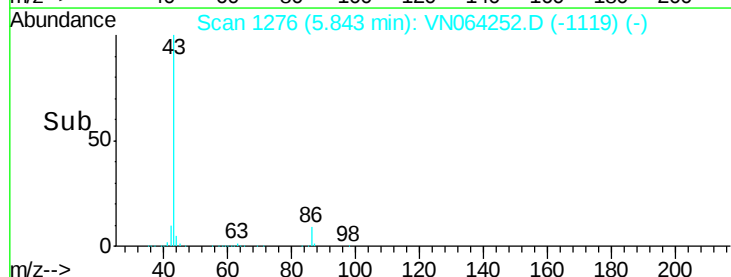
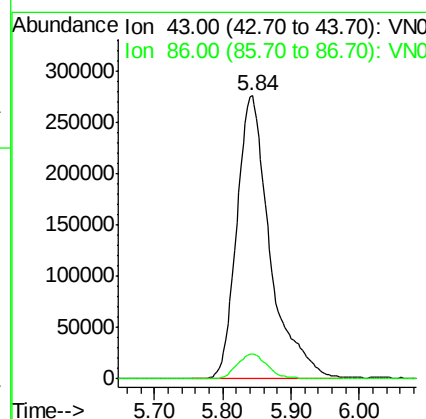
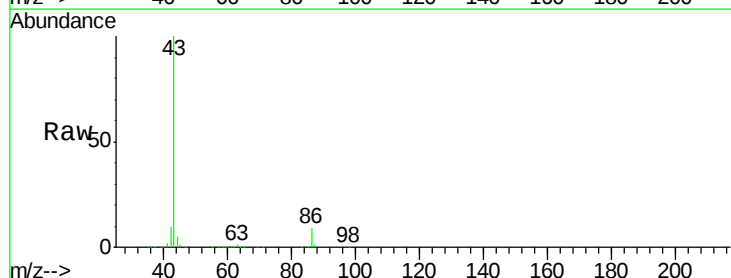
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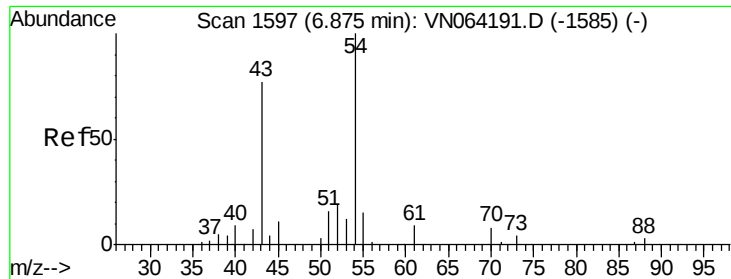
MMDadoda
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#42
Vinyl Acetate
Concen: 104.432 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	43	Resp	936827
Ion Ratio	100	Lower	Upper
43	100		
86	8.1	6.7	10.1





#43

Ethyl Acetate

Concen: 20.600 ug/l

RT: 6.88 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 85013

Ion Ratio Lower Upper

43 100

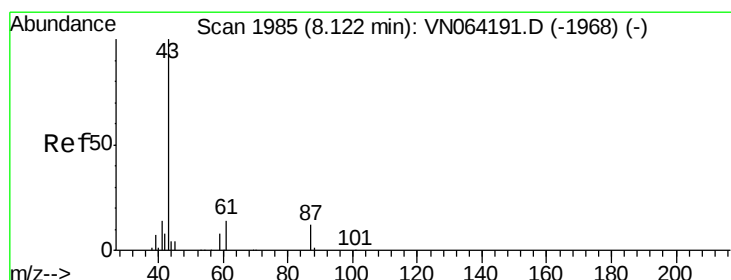
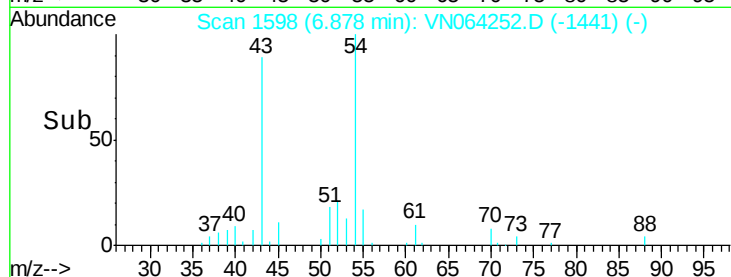
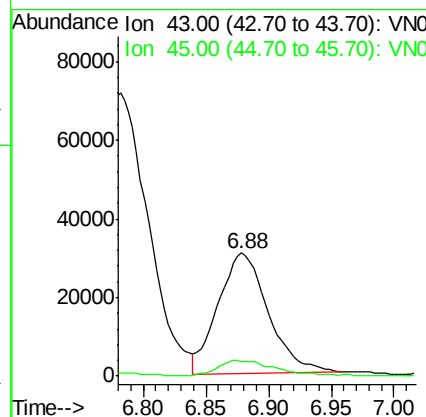
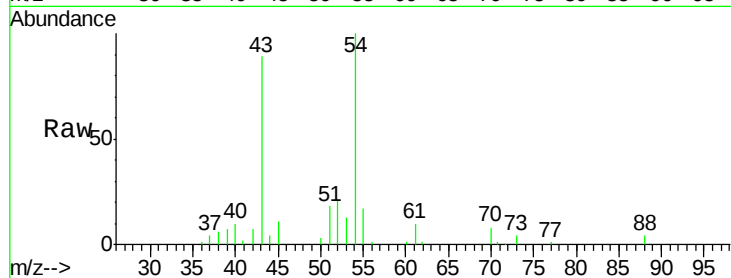
45 6.4 9.8 14.8#

Manual Integrations

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#44

Isopropyl Acetate

Concen: 20.895 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN064252.D

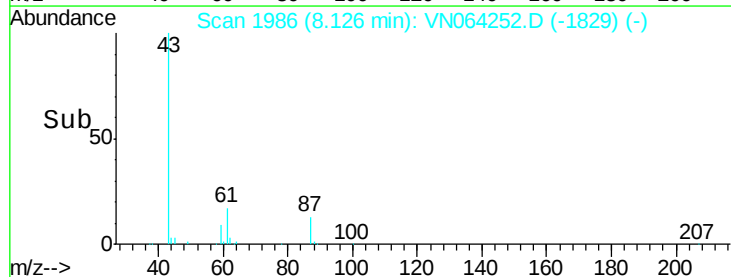
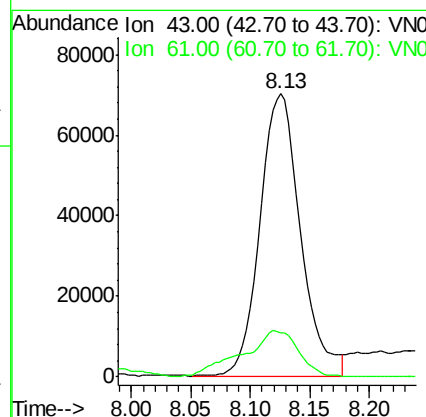
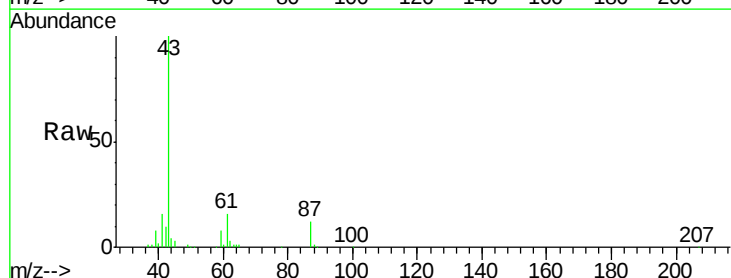
Acq: 22 Oct 2020 14:35

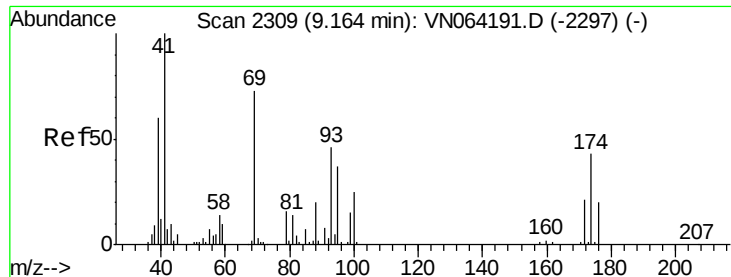
Tgt Ion: 43 Resp: 165551

Ion Ratio Lower Upper

43 100

61 22.8 18.7 28.1





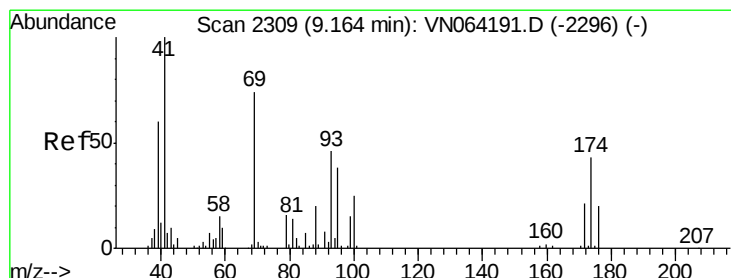
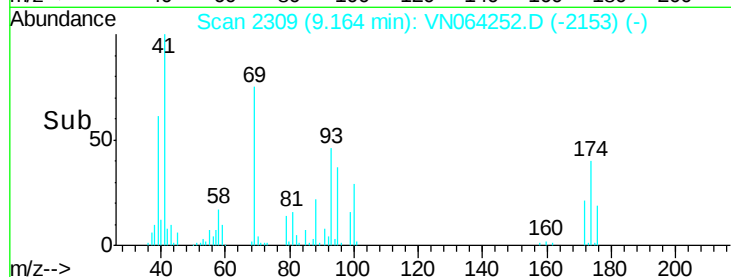
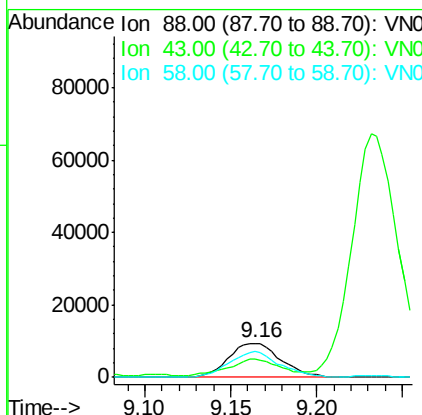
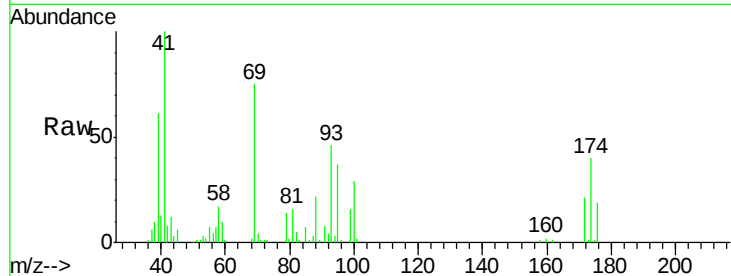
#45
1,4-Dioxane
Concen: 428.175 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.8	37.0	55.4
58	73.0	62.4	93.6

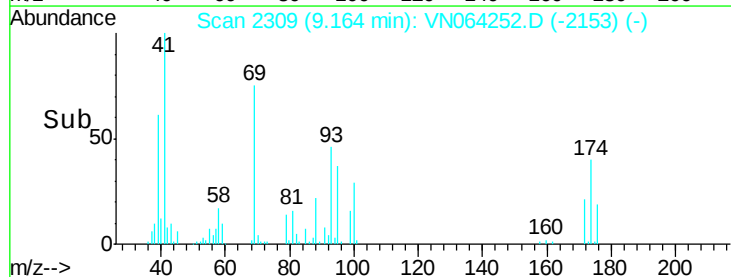
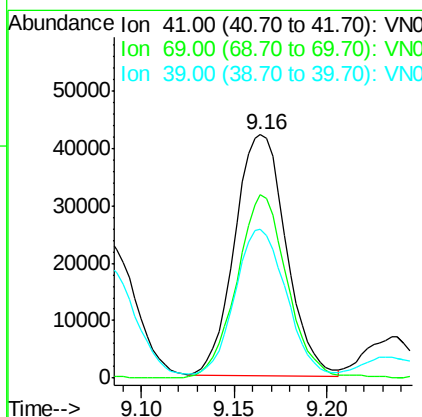
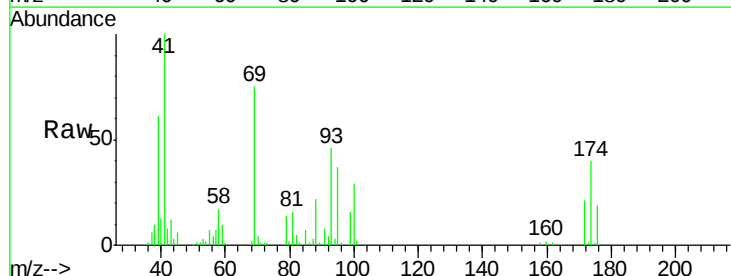
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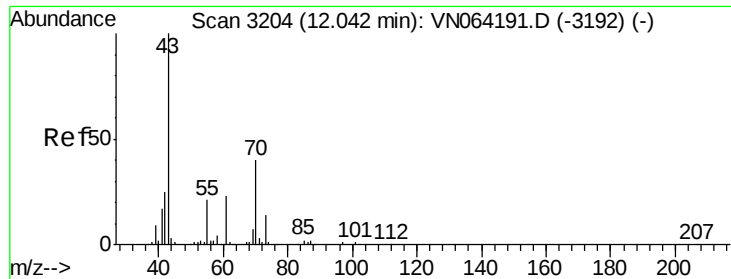
MMDadoda
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#46
Methyl methacrylate
Concen: 21.515 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.6	36.8	110.4
39	60.6	30.4	91.2





#47

n-amvl Acetate

Concen: 19.389 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 43 Resp: 136277

Ion Ratio Lower Upper

43 100

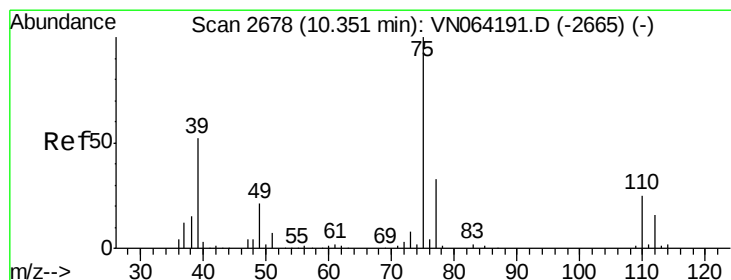
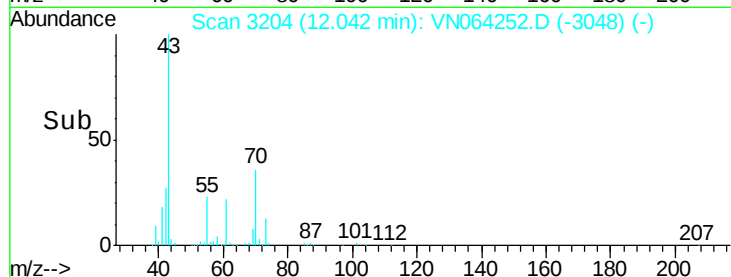
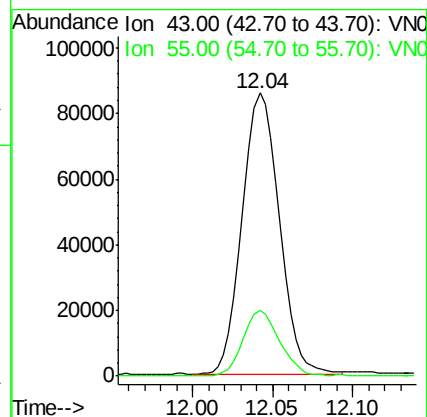
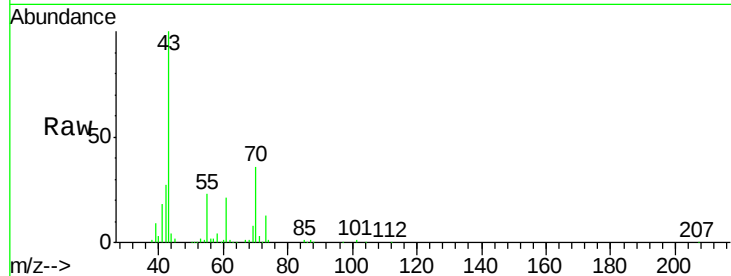
55 22.9 17.6 26.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 20.853 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064252.D

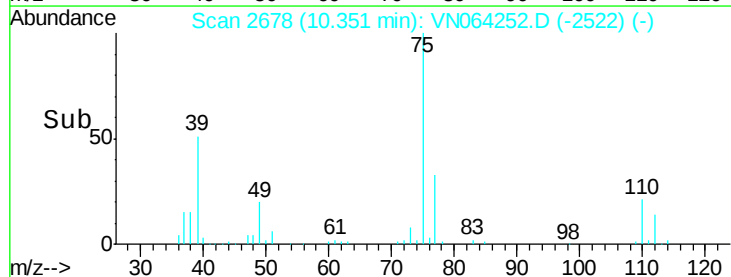
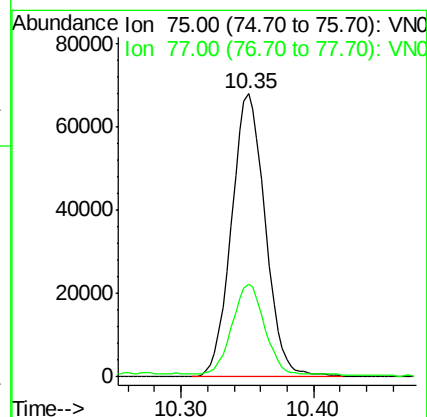
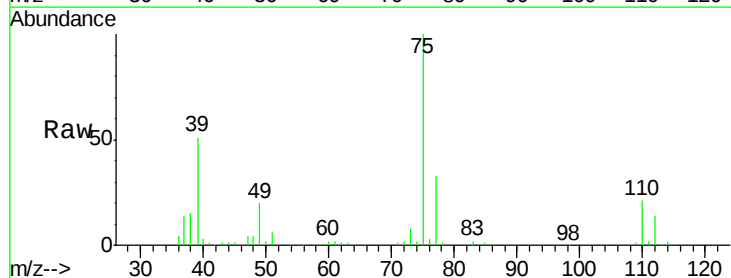
Acq: 22 Oct 2020 14:35

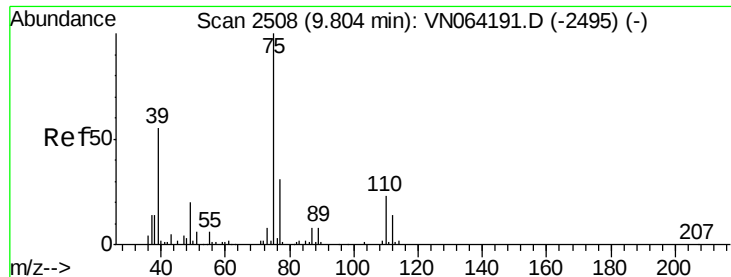
Tgt Ion: 75 Resp: 120589

Ion Ratio Lower Upper

75 100

77 32.2 27.4 41.2





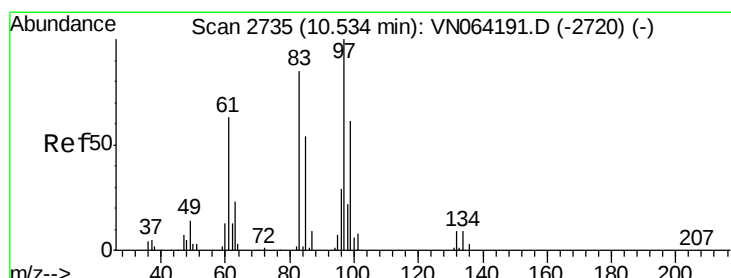
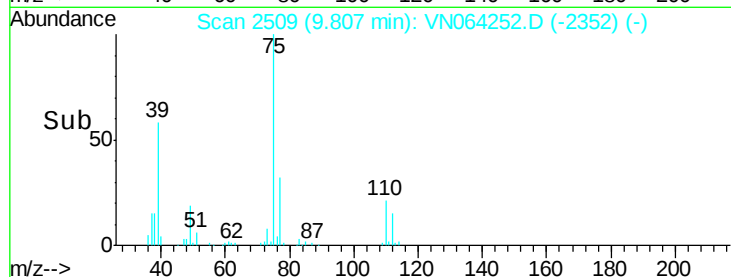
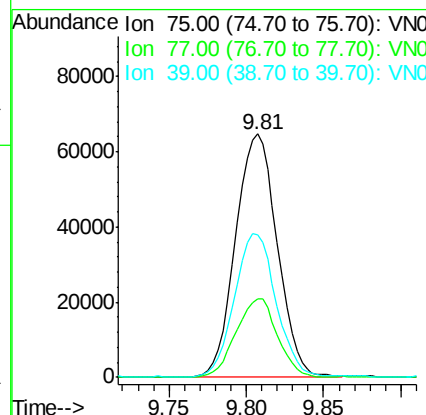
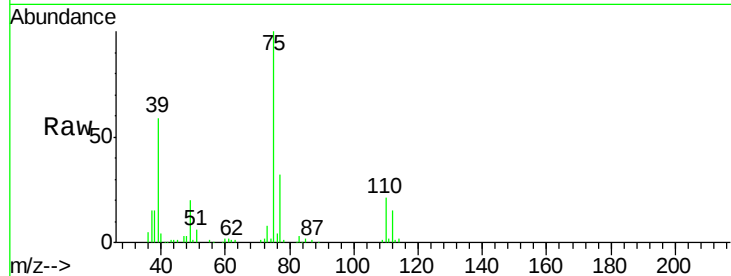
#49
 cis-1,3-Dichloropropene
 Concen: 20.281 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.5	36.7
39	58.4	43.8	65.8

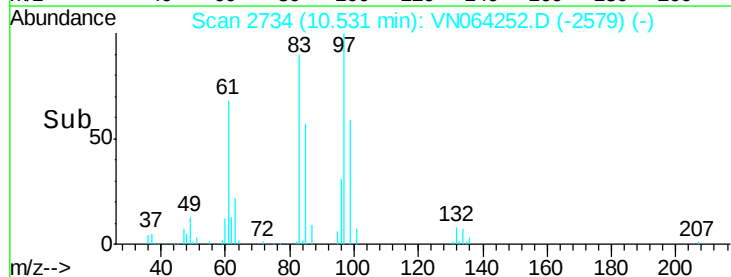
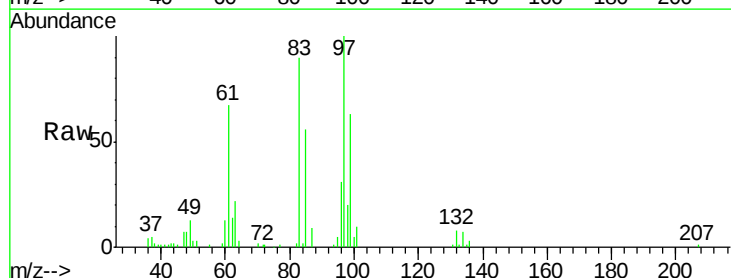
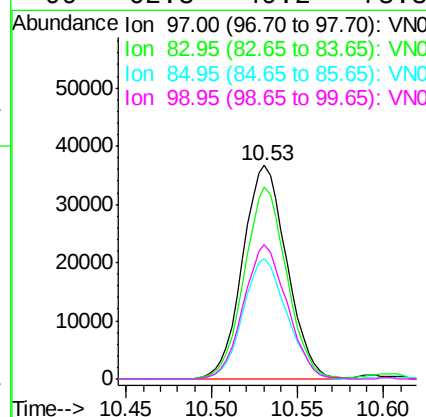
Manual Integrations
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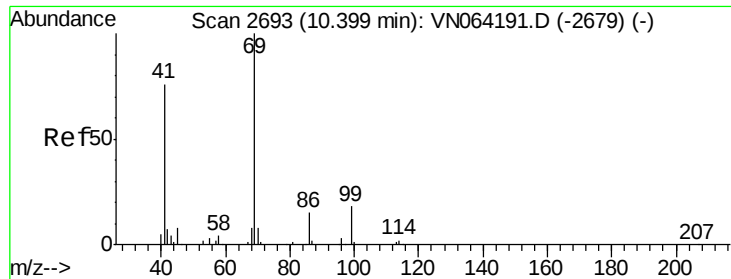
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.659 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	67.7	101.5
85	56.5	43.2	64.8
99	62.8	49.2	73.8





#51

Ethyl methacrylate

Concen: 20.116 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

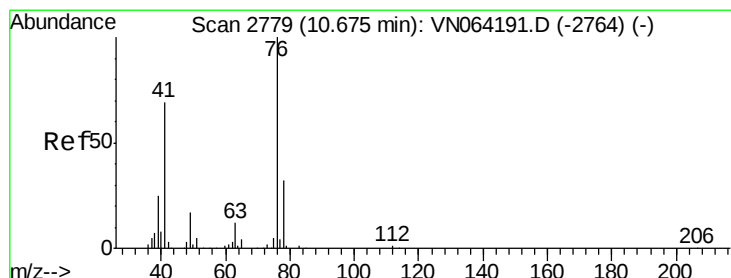
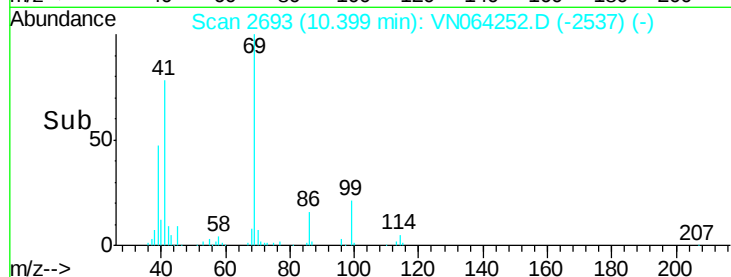
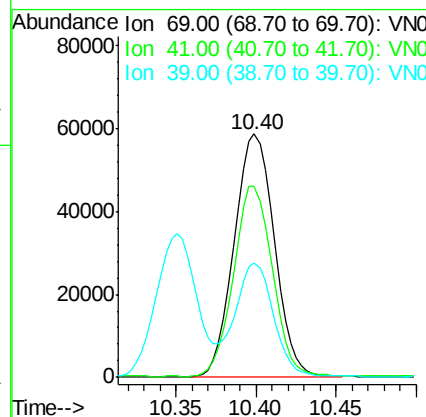
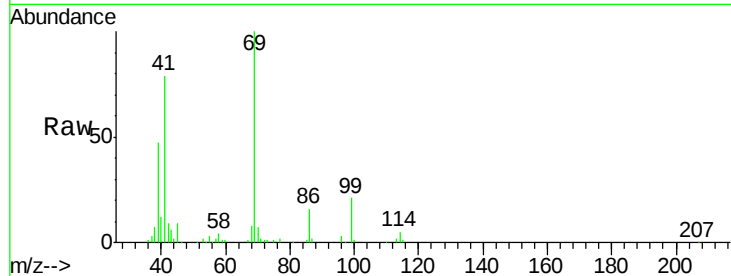
ClientSampleId :

VSTDCCC020

Tot Ion:	69	Resp:	100967
Ion	Ratio	Lower	Upper
69	100		
41	78.2	38.0	114.1
39	46.1	21.4	64.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 21.140 ug/l

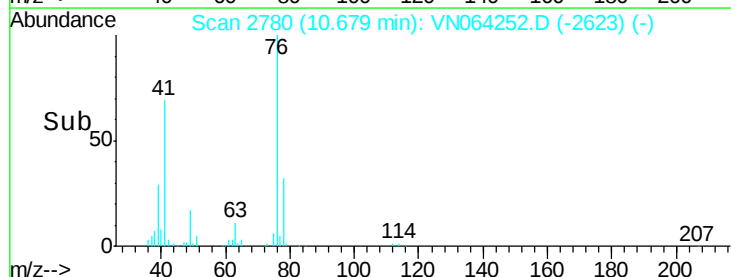
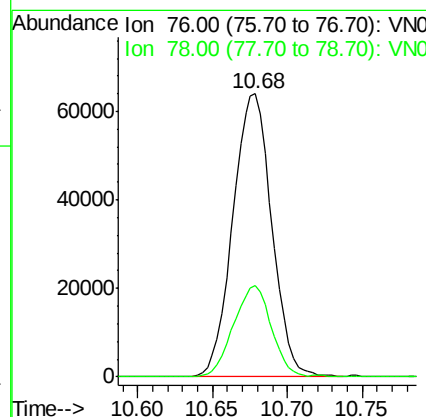
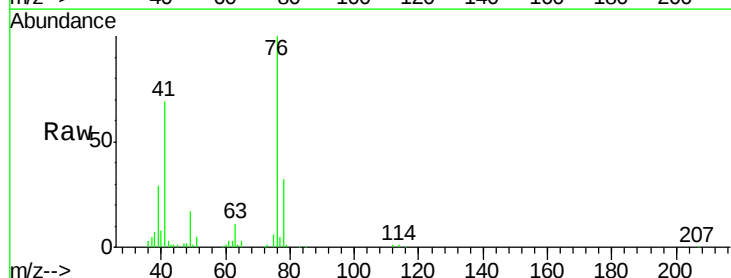
RT: 10.68 min Scan# 2780

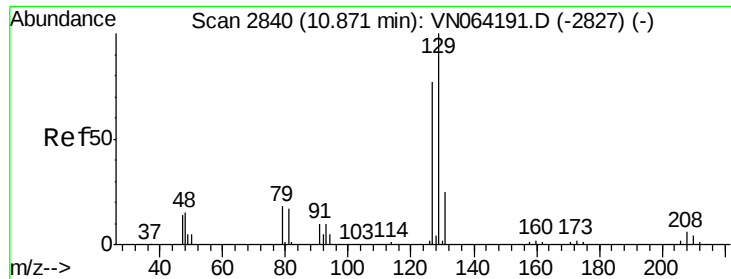
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	76	Resp:	115683
Ion	Ratio	Lower	Upper
76	100		
78	31.3	0.0	64.4





#53

Dibromochloromethane

Concen: 20.768 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:129 Resp: 82969

Ion Ratio Lower Upper

129 100

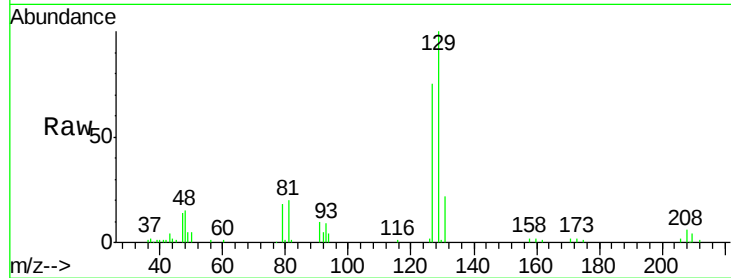
127 77.4 39.0 117.0

Manual Integrations

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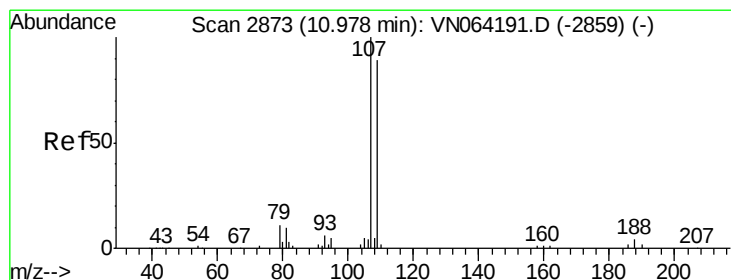
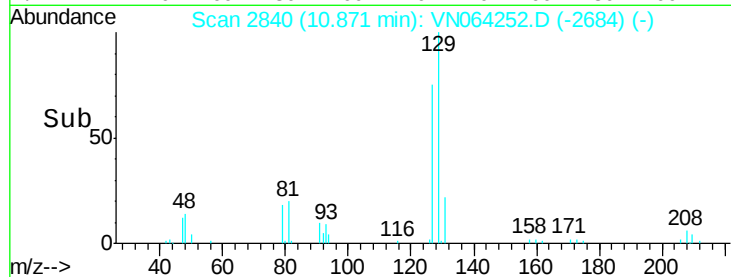
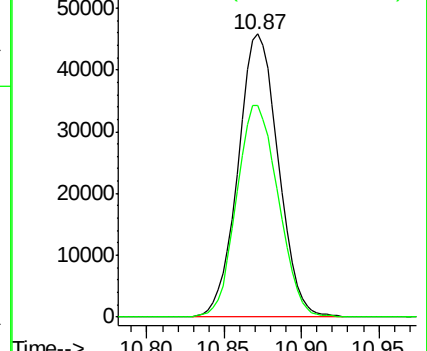
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.782 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064252.D

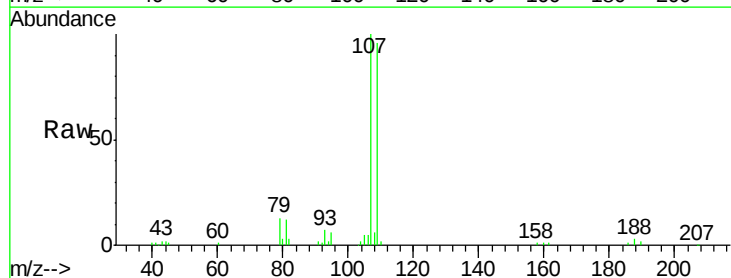
Acq: 22 Oct 2020 14:35

Tgt Ion:107 Resp: 70118

Ion Ratio Lower Upper

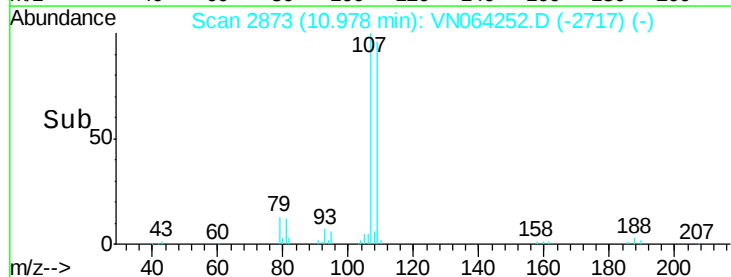
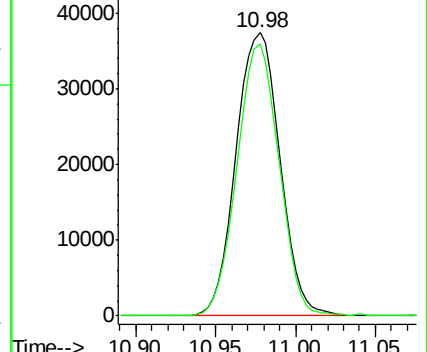
107 100

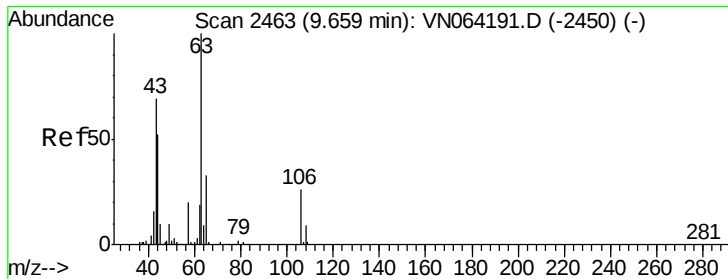
109 92.0 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 90.111 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

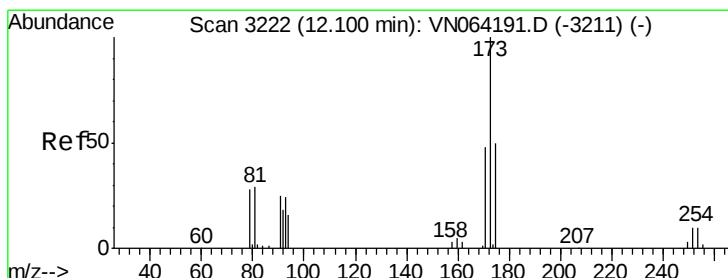
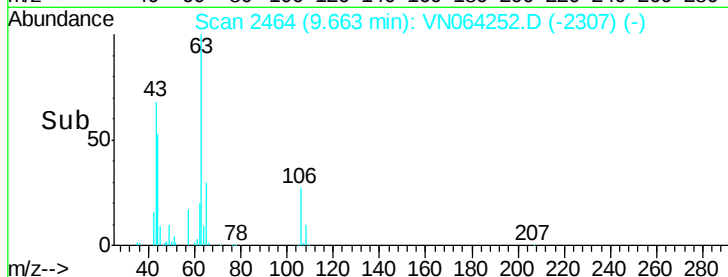
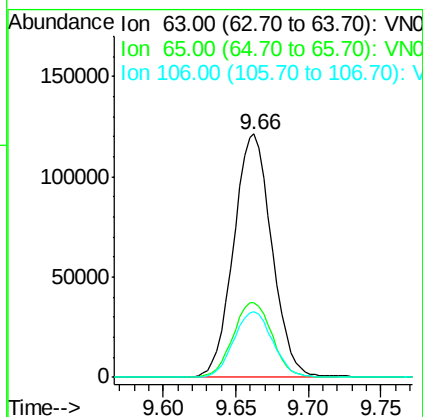
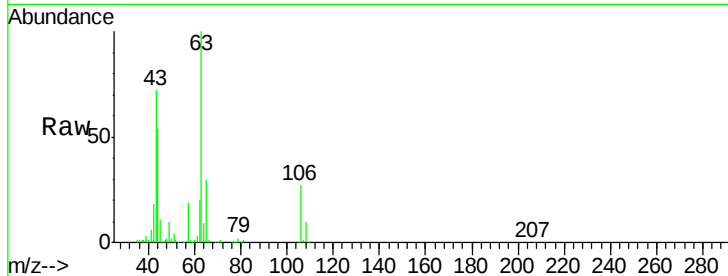
VSTDCCC020

Tot Ion: 63 Resp: 222288

Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.9	38.9
106	27.5	21.4	32.2

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#56

Bromoform

Concen: 19.704 ug/l

RT: 12.10 min Scan# 3222

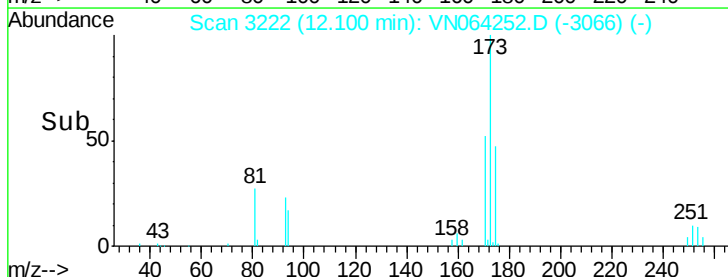
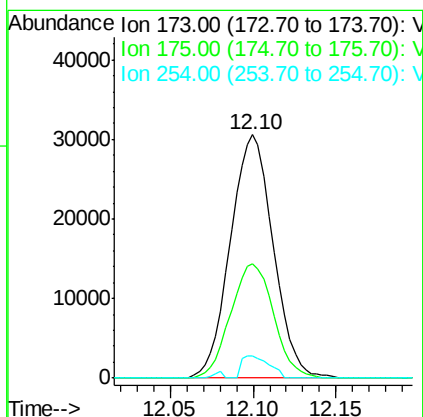
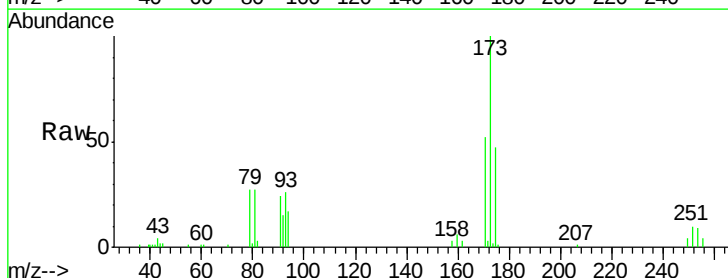
Delta R.T. 0.00 min

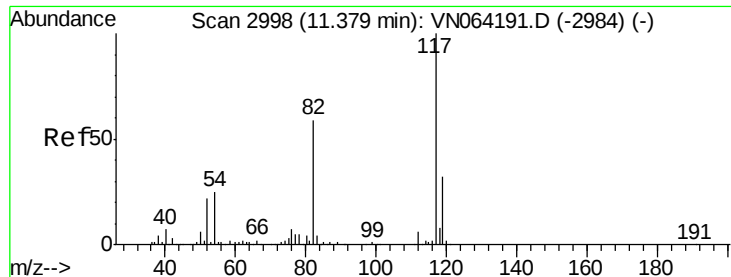
Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion: 173 Resp: 54821

Ion	Ratio	Lower	Upper
173	100		
175	47.1	39.0	58.4
254	5.9	6.8	10.2#





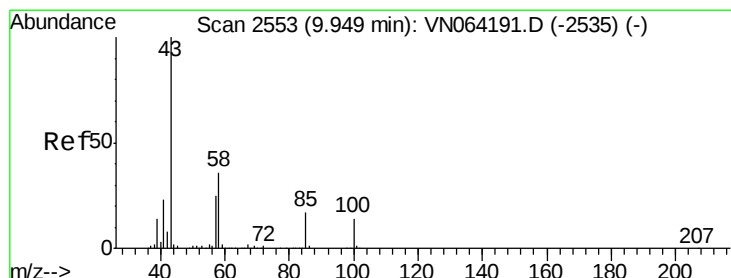
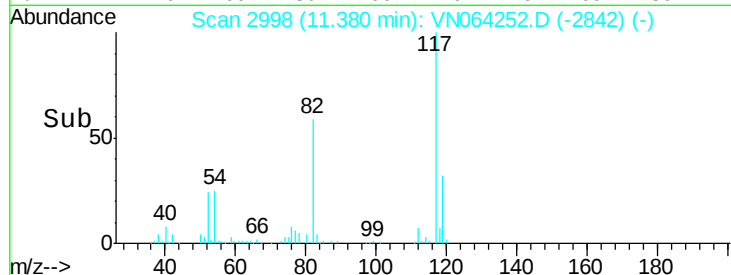
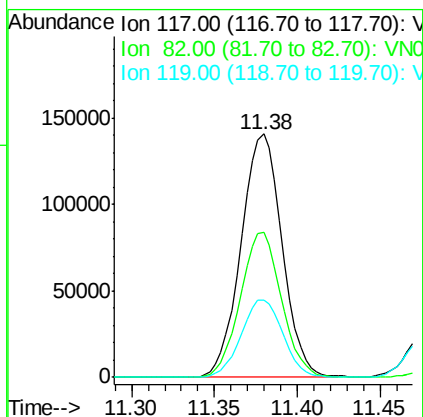
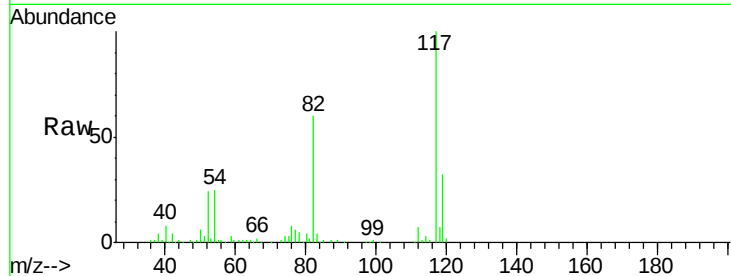
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.8	71.8
119	32.3	25.7	38.5

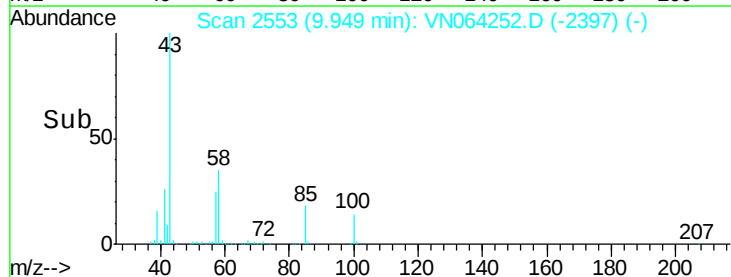
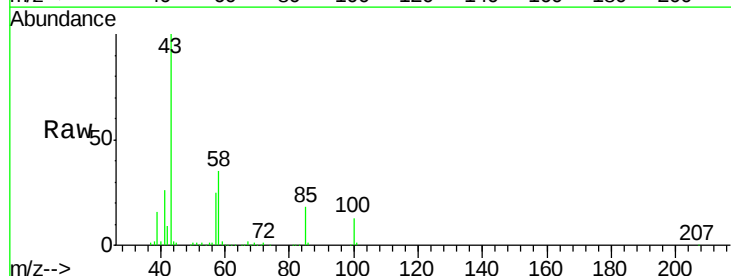
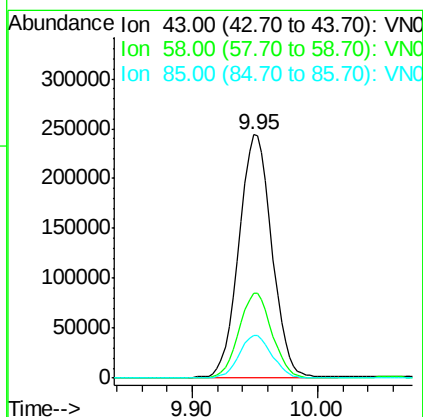
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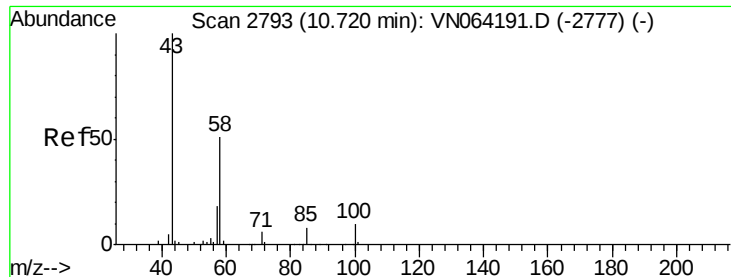
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#58
4-Methyl-2-Pentanone
Concen: 107.528 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.3	29.5	44.3
85	17.5	13.7	20.5





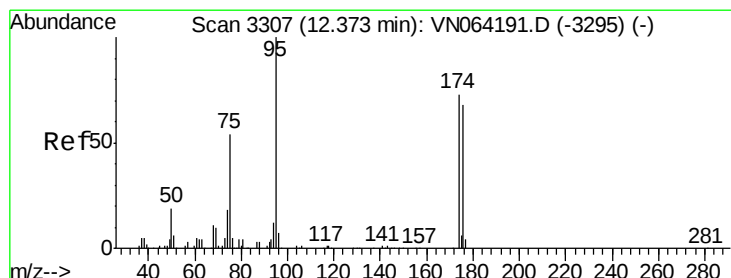
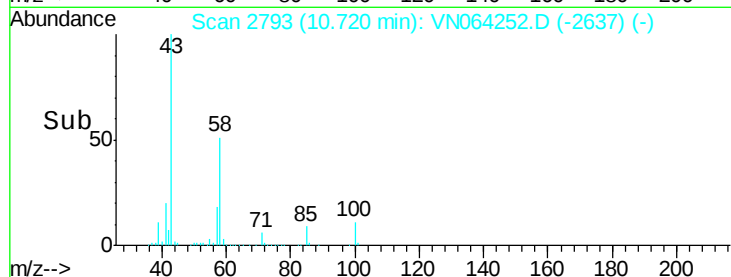
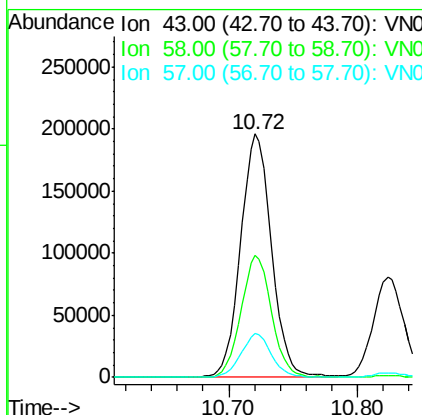
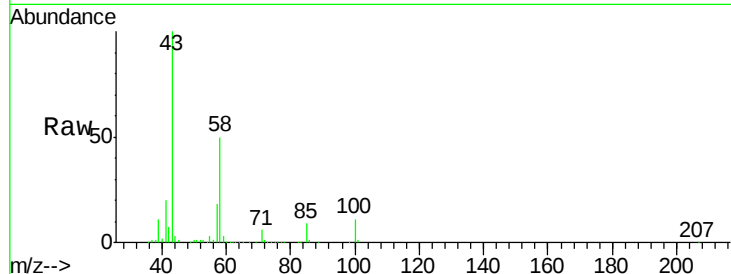
#59
2-Hexanone
Concen: 105.620 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.2	60.4
57	18.0	14.8	22.2

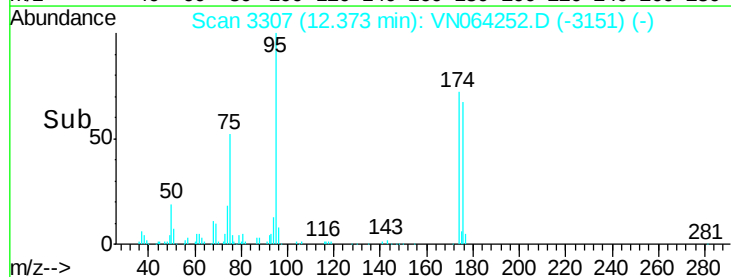
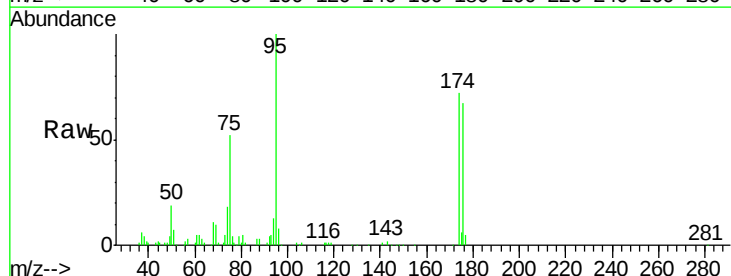
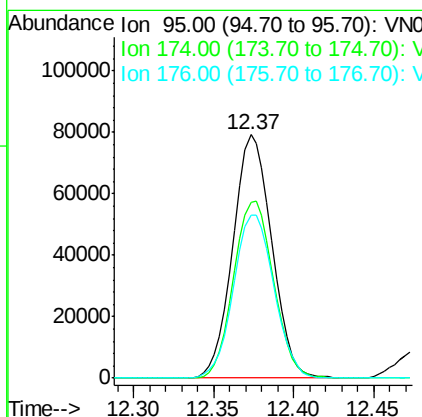
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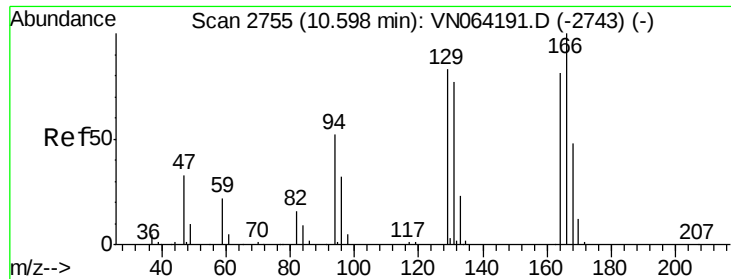
MMDadoda
10/23/2020 3:41:05 PM



#60
4-Bromofluorobenzene
Concen: 30.070 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	57.6	86.4
176	69.9	54.9	82.3





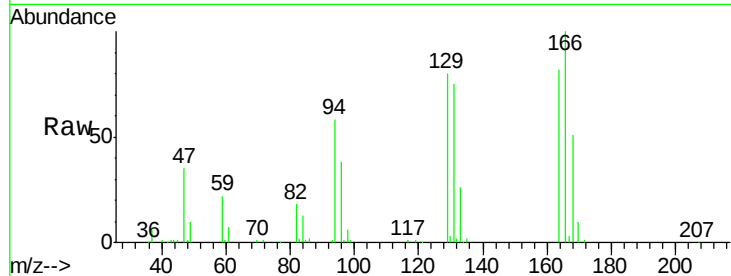
#61
Tetrachloroethene
Concen: 21.598 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
164	100		
166	122.0	99.2	148.8
129	97.9	82.8	124.2
131	91.0	76.2	114.4

Manual Integrations
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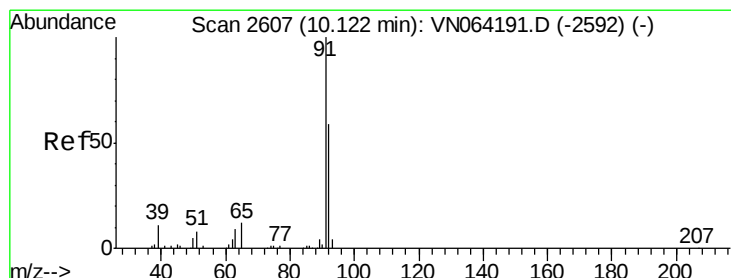
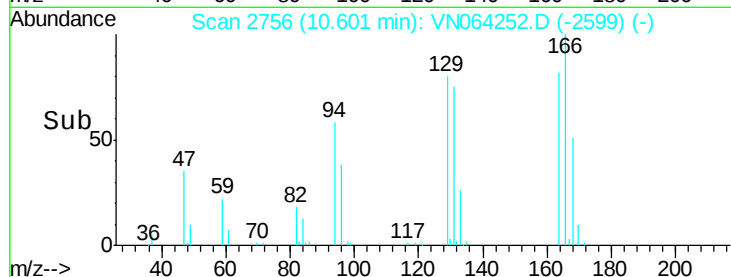
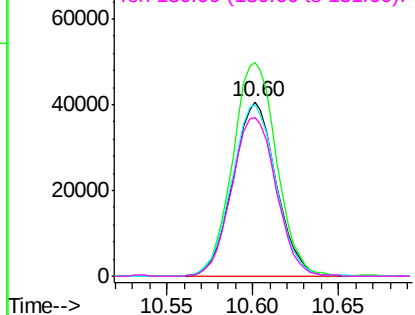


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

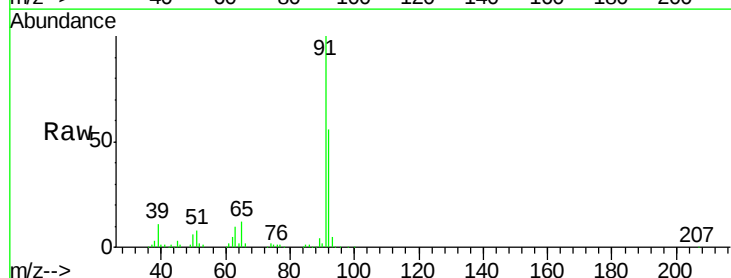
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



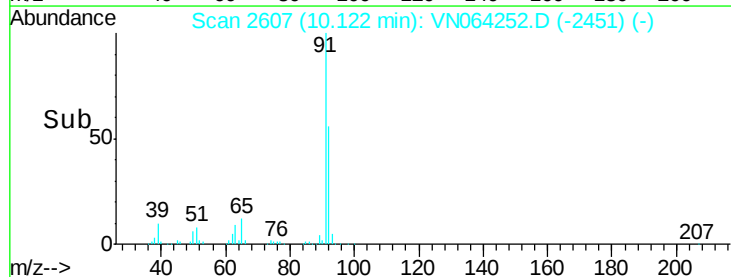
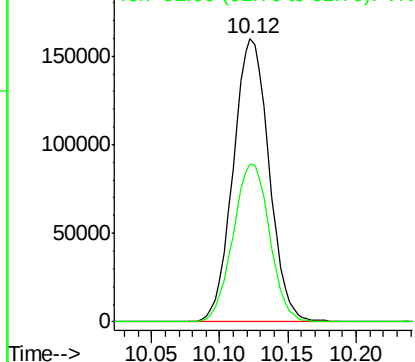
#62
Toluene
Concen: 20.968 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

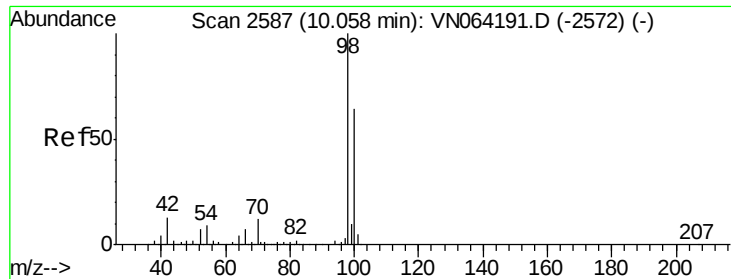
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	46.8	70.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.884 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 98 Resp: 329367

Ion Ratio Lower Upper

98 100

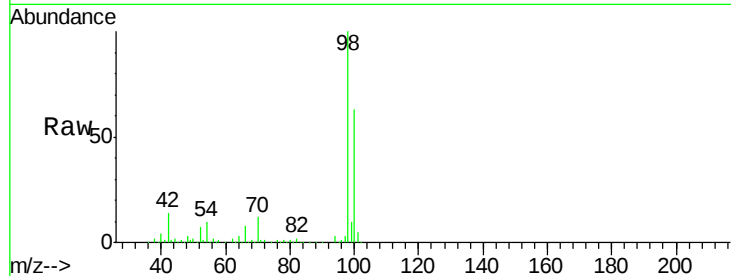
100 64.5 51.4 77.2

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Abundance Ion 98.00 (97.70 to 98.70): VN064191.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064191.D (-2572) (-)

10.06

200000

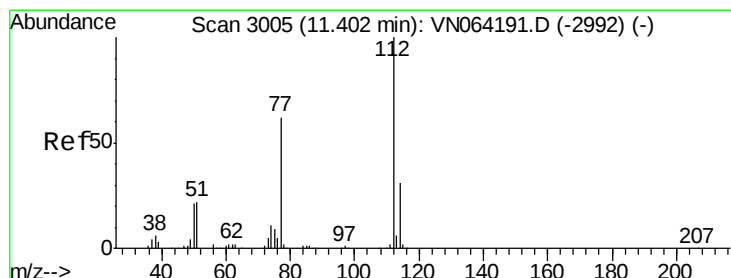
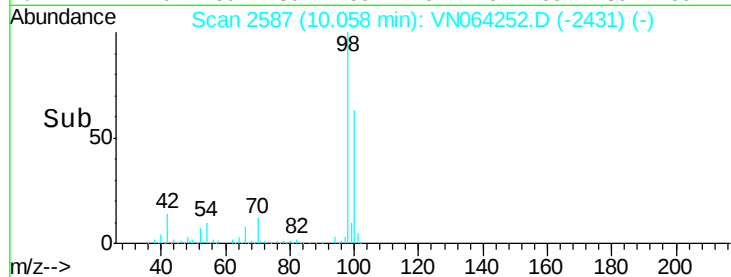
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 20.706 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064252.D

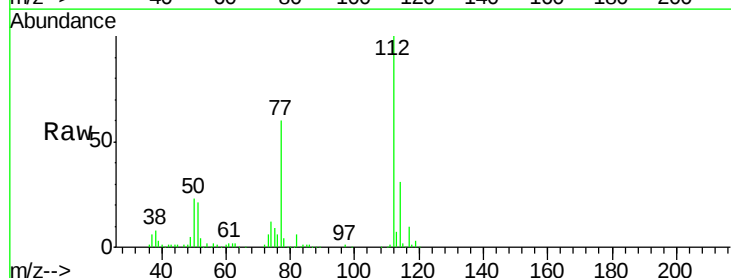
Acq: 22 Oct 2020 14:35

Tgt Ion: 112 Resp: 179456

Ion Ratio Lower Upper

112 100

114 31.4 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN064191.D (-2992) (-)

Ion 114.00 (113.70 to 114.70): VN064191.D (-2992) (-)

11.41

120000

100000

80000

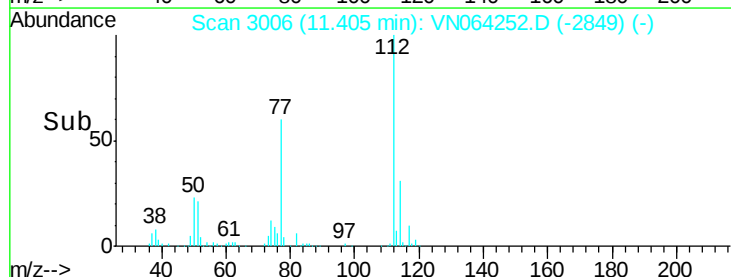
60000

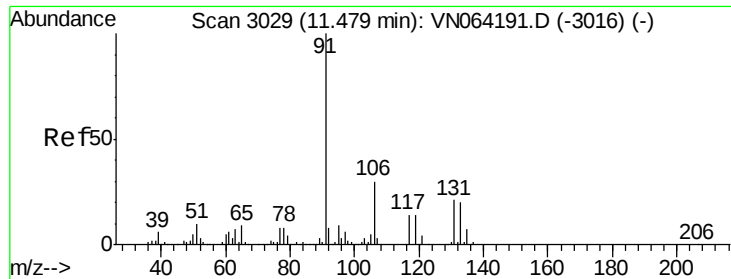
40000

20000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 21.120 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

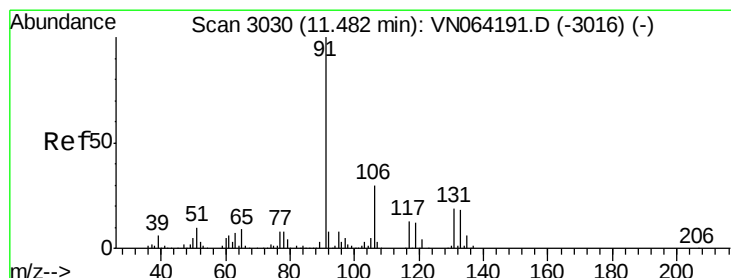
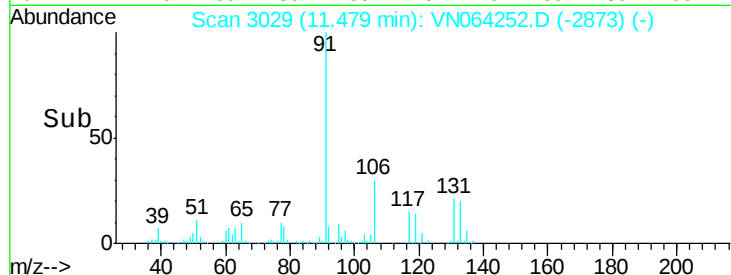
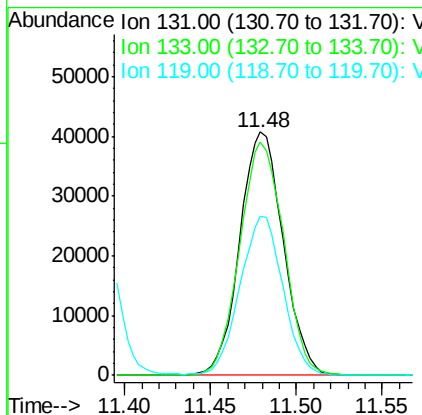
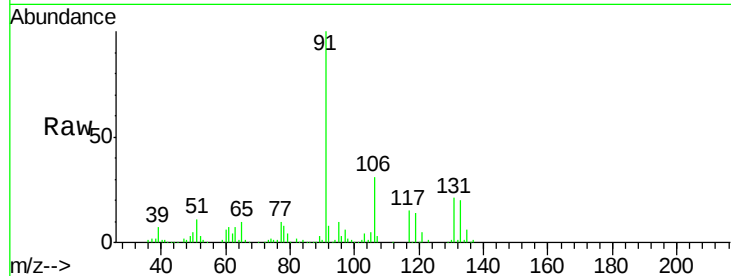
ClientSampleId :

VSTDCCC020

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.6	0.0	193.0
119	64.5	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.023 ug/l

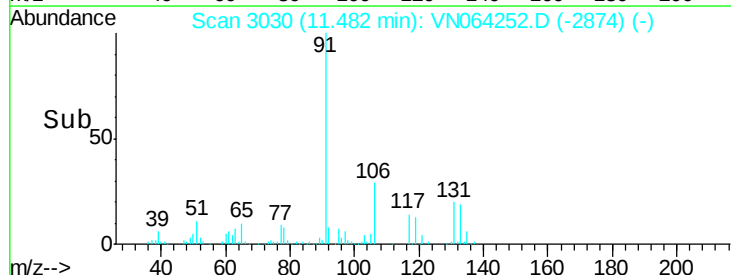
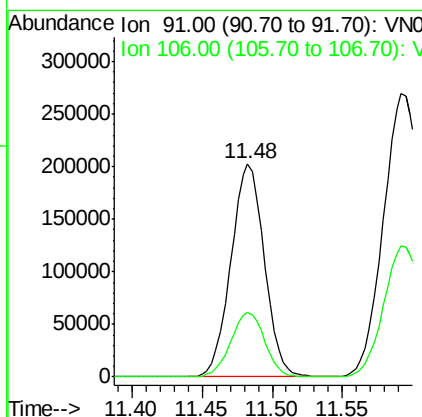
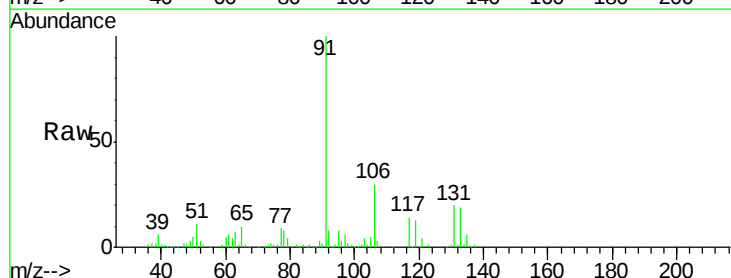
RT: 11.48 min Scan# 3030

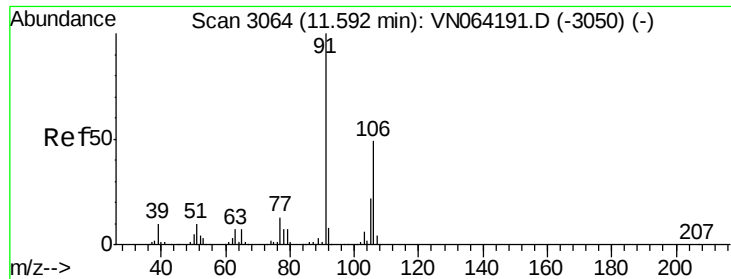
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.9	35.9





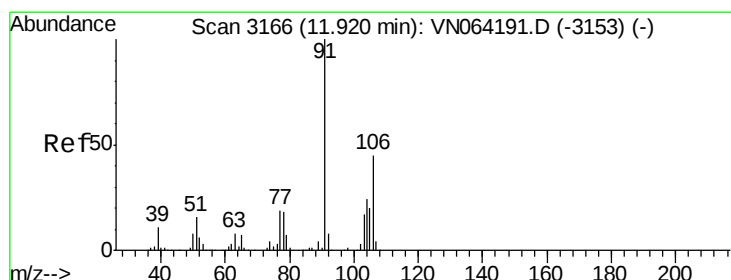
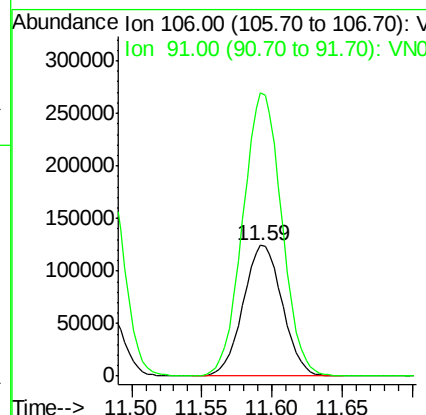
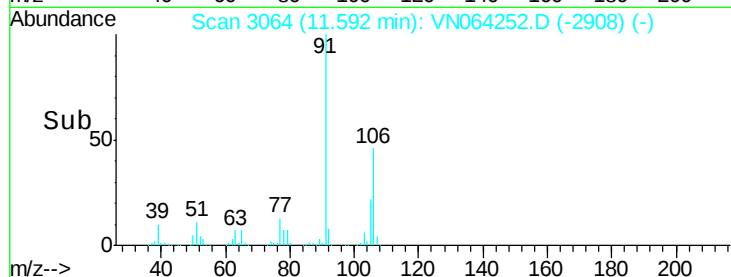
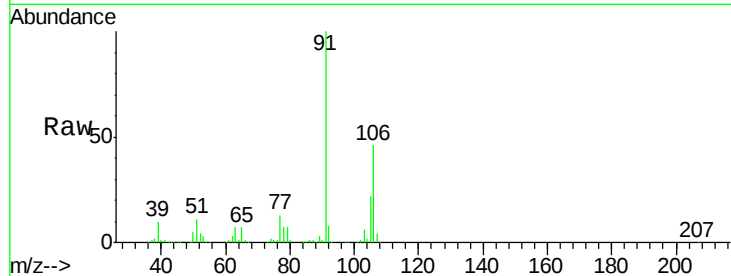
#67
m/p-Xylenes
Concen: 40.776 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:106 Resp: 242648
Ion Ratio Lower Upper
106 100
91 214.7 167.9 251.9

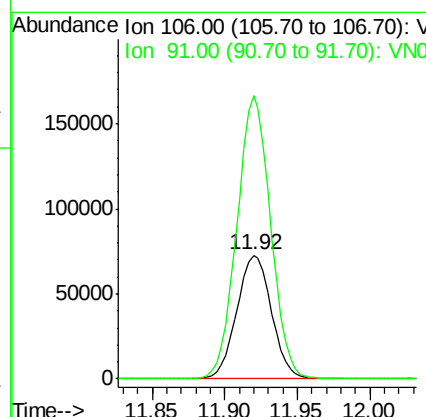
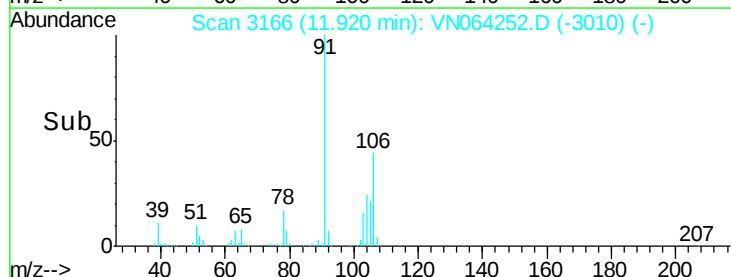
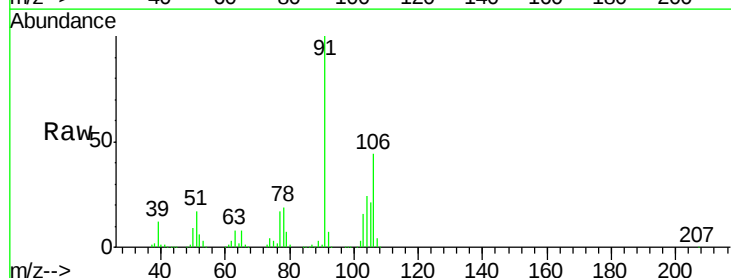
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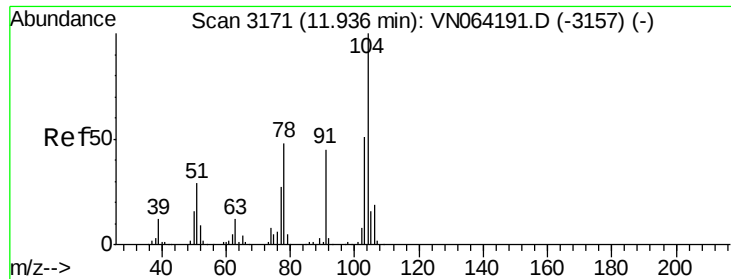
MMDadoda
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#68
o-Xylene
Concen: 20.880 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion:106 Resp: 120572
Ion Ratio Lower Upper
106 100
91 222.9 113.9 341.7





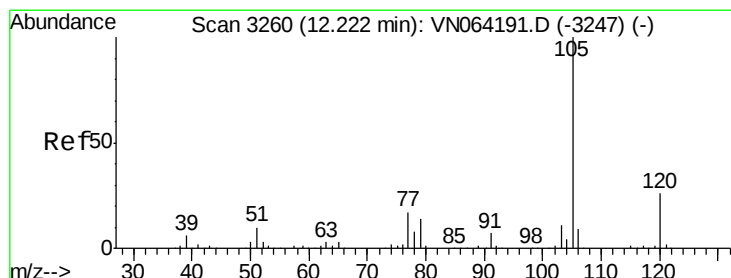
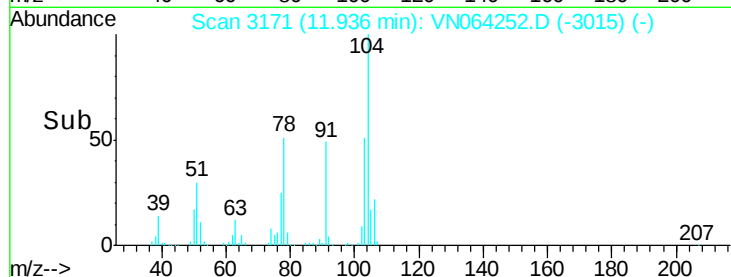
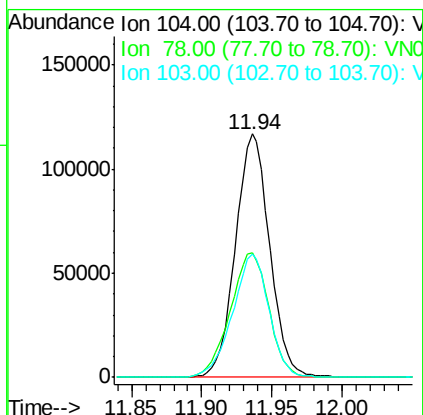
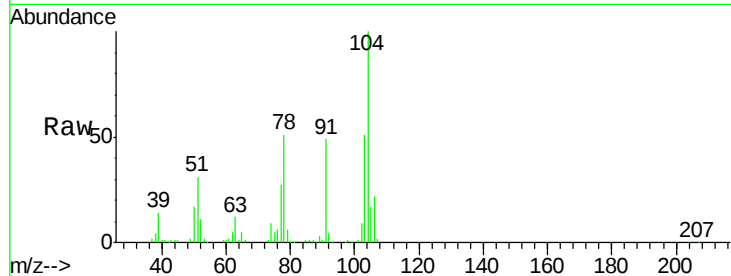
#69
Stvrene
Concen: 20.359 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
104	100	198902		
78	57.7	43.6	65.4	
103	54.0	44.8	67.2	

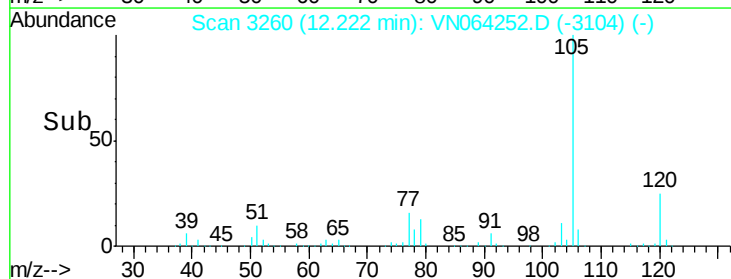
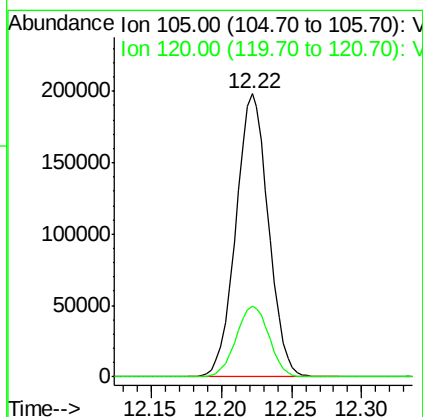
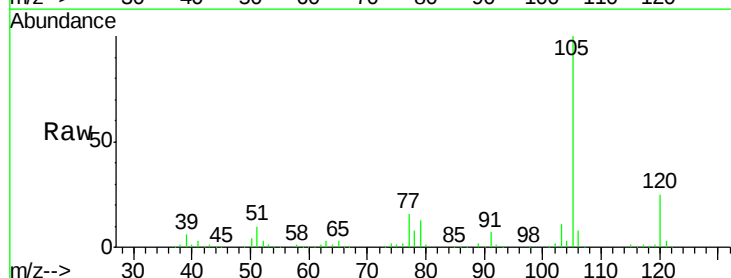
Manual Integrations
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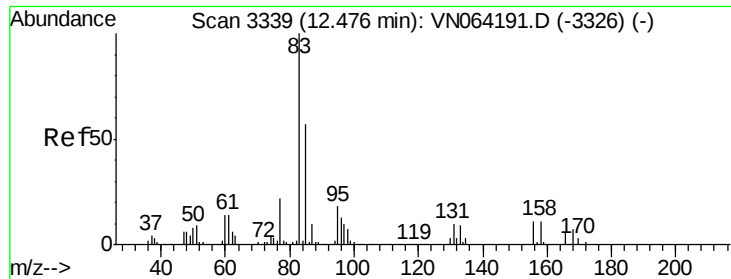
MMDadoda
10/23/2020 3:41:05 PM



#70
Isopropylbenzene
Concen: 20.975 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	319892		
120	25.5	18.1	33.7	





#71

1,1,2,2-Tetrachloroethane

Concen: 20.484 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

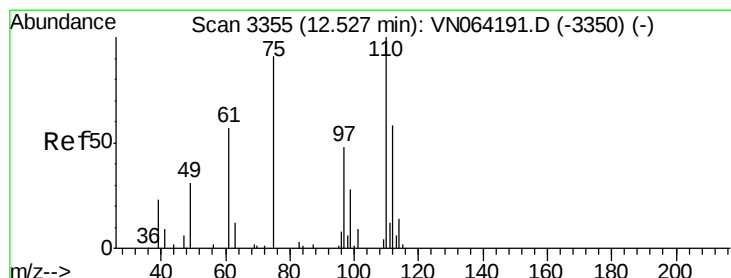
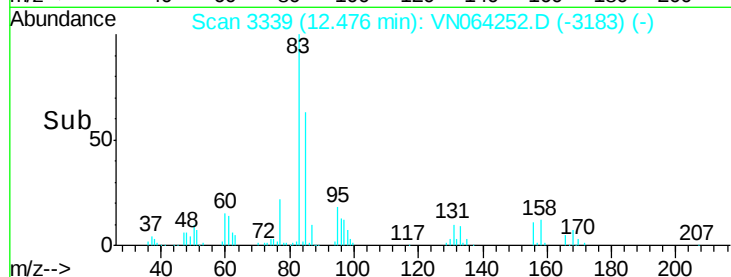
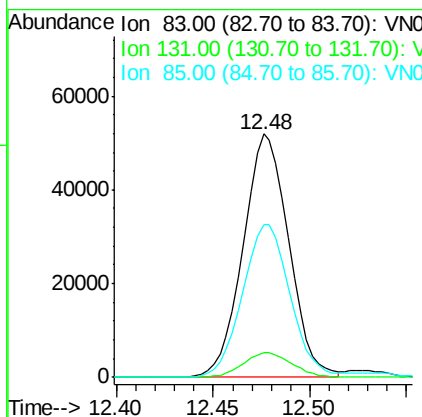
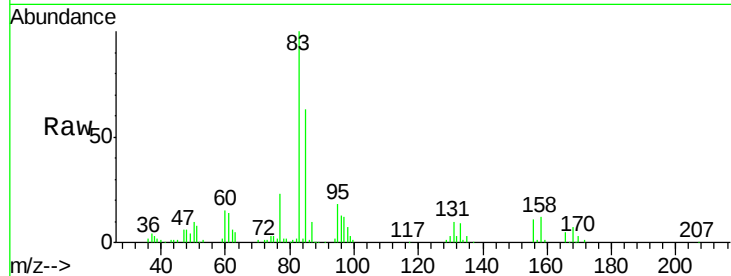
ClientSampleId :

VSTDCCC020

Tot Ion:	83	Resp:	85606
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	65.0	30.8	92.4

Manual Integrations
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#72

1,2,3-Trichloropropane

Concen: 19.680 ug/l m

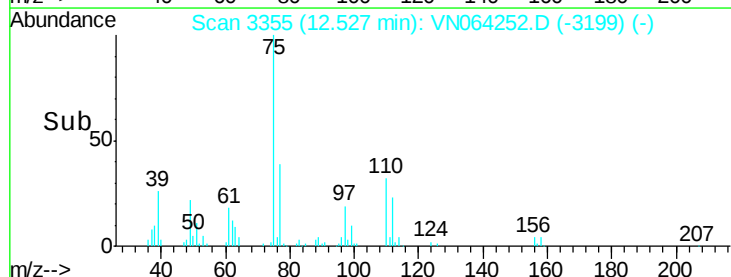
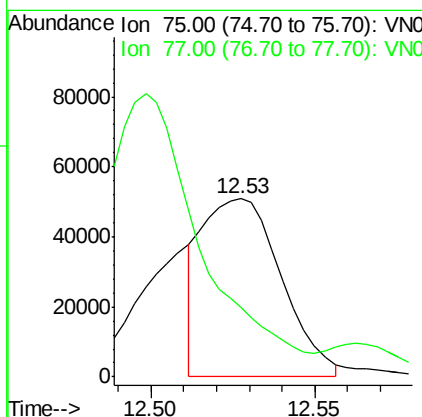
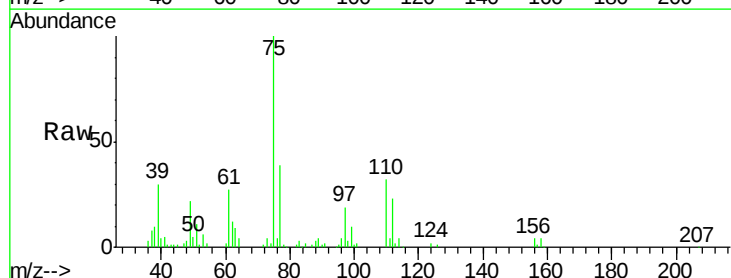
RT: 12.53 min Scan# 3355

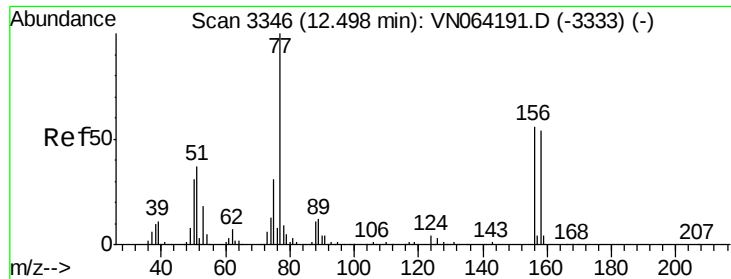
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	75	Resp:	85829
Ion Ratio	Lower	Upper	
75	100		
77	198.2	0.0	417.6





#73

Bromobenzene

Concen: 20.925 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

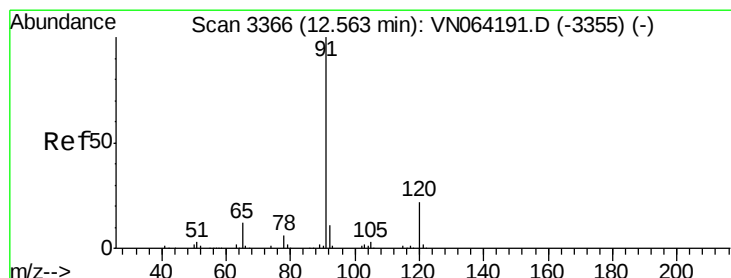
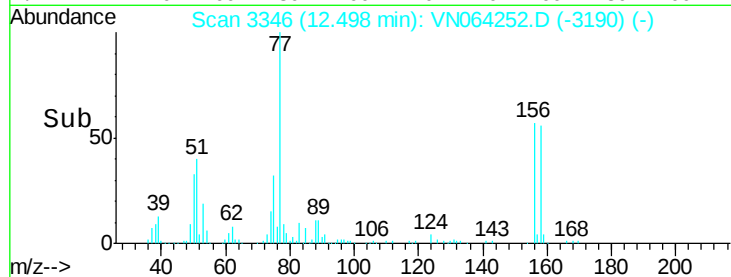
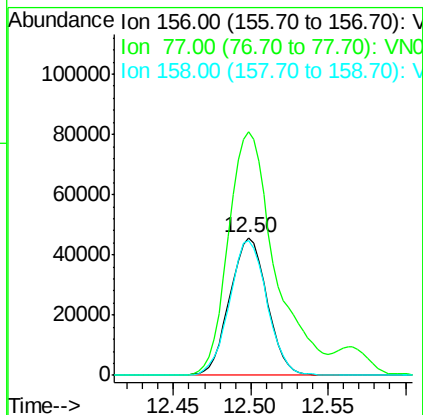
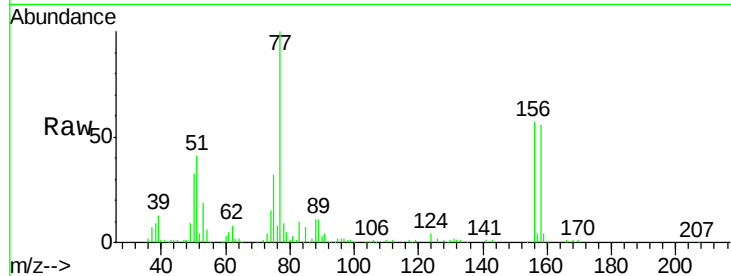
ClientSampleId :

VSTDCCC020

Tot Ion:	156	Resp:	76954
Ion	Ratio	Lower	Upper
156	100		
77	221.0	0.0	429.8
158	98.1	0.0	190.6

Manual Integrations
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#74

n-propylbenzene

Concen: 20.790 ug/l

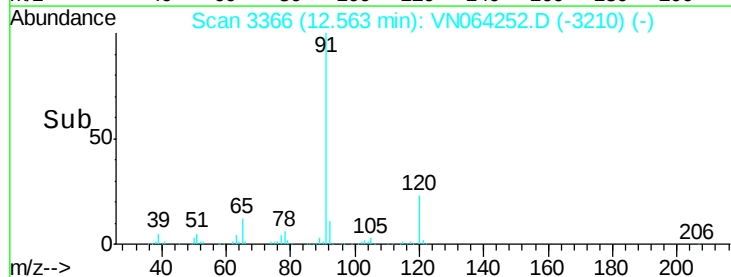
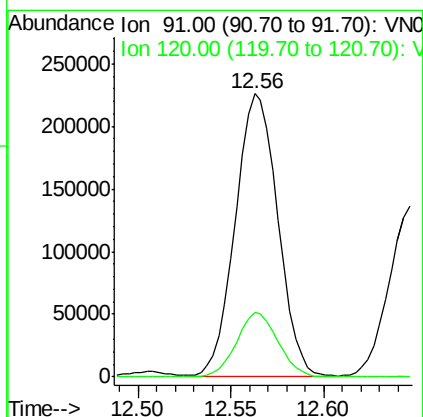
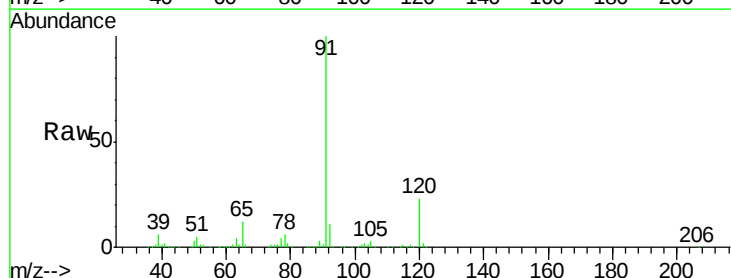
RT: 12.56 min Scan# 3366

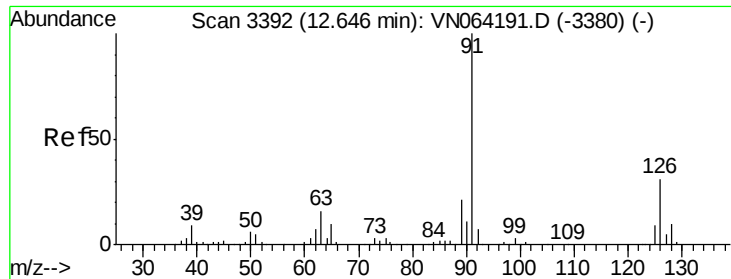
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	91	Resp:	361879
Ion	Ratio	Lower	Upper
91	100		
120	22.1	0.0	43.8





#75

2-Chlorotoluene

Concen: 21.148 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 91 Resp: 227877

Ion Ratio Lower Upper

91 100

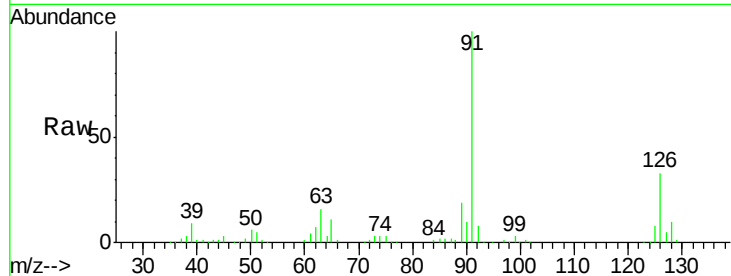
126 32.0 0.0 62.4

Manual Integrations

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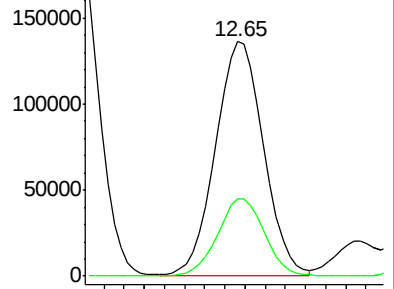
MMDadoda

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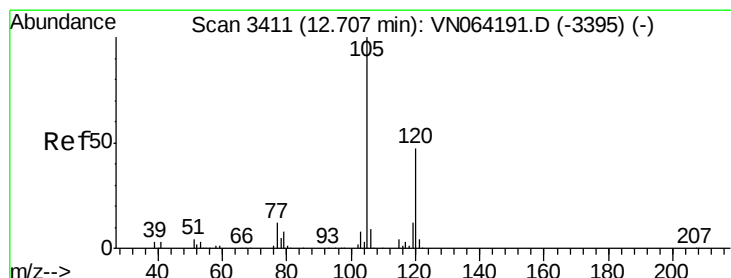
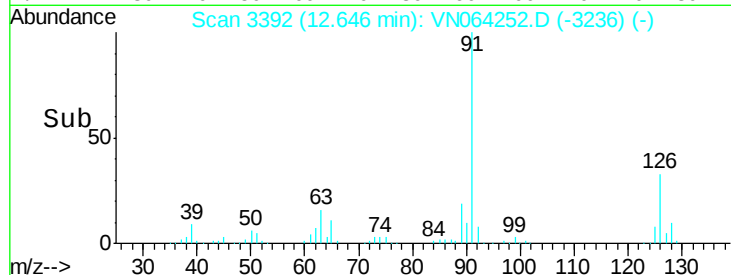


Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064191.D (-3380) (-)



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.857 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064252.D

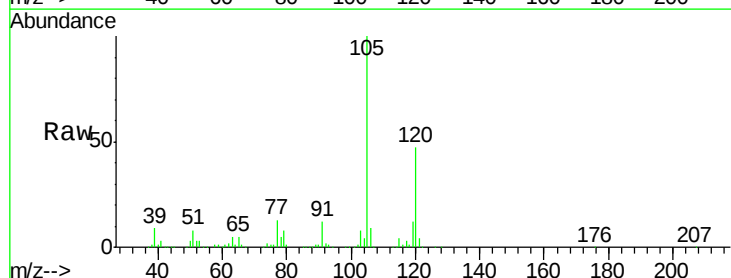
Acq: 22 Oct 2020 14:35

Tgt Ion: 105 Resp: 270672

Ion Ratio Lower Upper

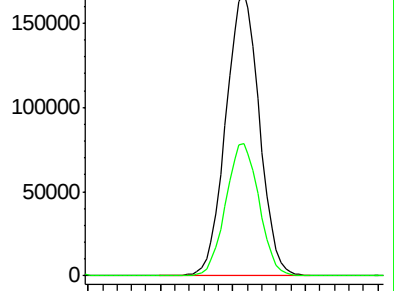
105 100

120 46.5 0.0 95.0

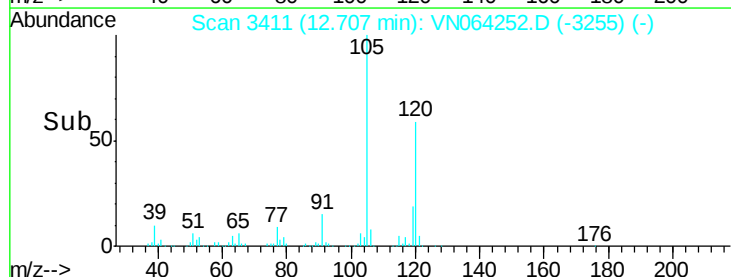


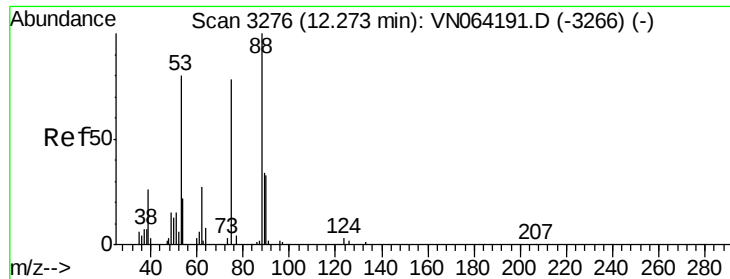
Abundance Ion 105.00 (104.70 to 105.70): VN064191.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064191.D (-3395) (-)



Time-->





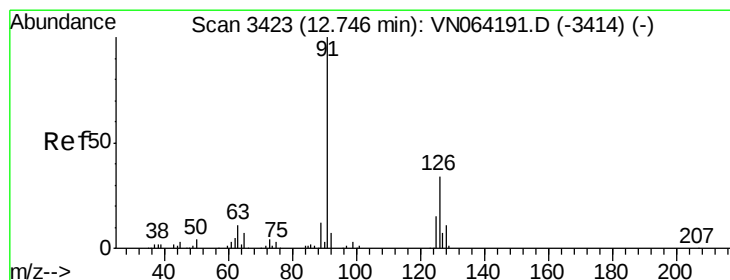
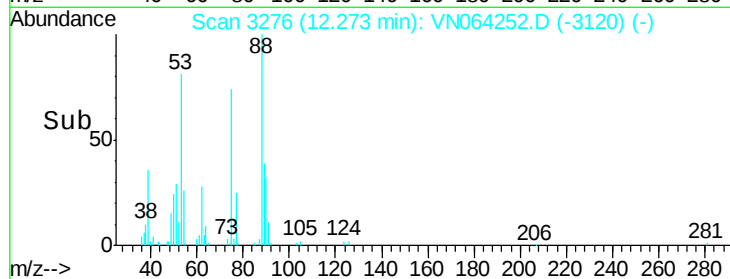
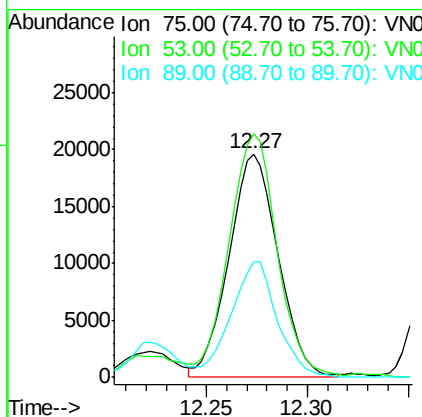
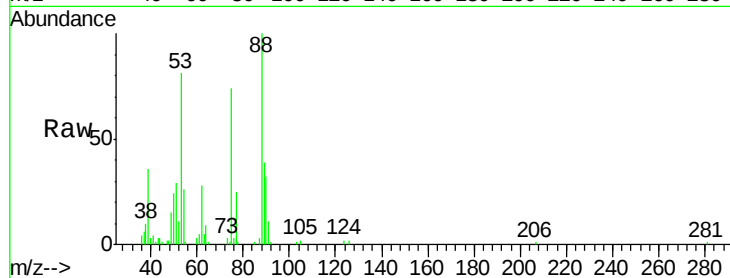
#77
t-1,4-Dichloro-2-butene
Concen: 19.662 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	109.4	51.4	154.2
89	52.7	23.8	71.5

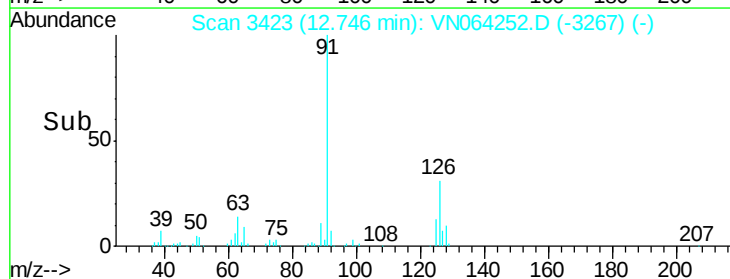
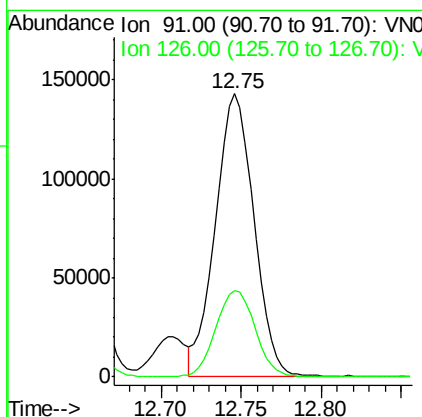
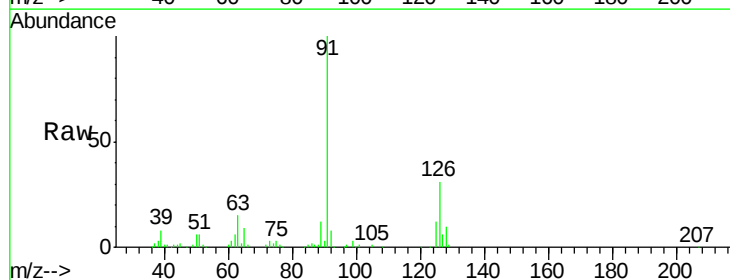
Manual Integrations
APPROVED

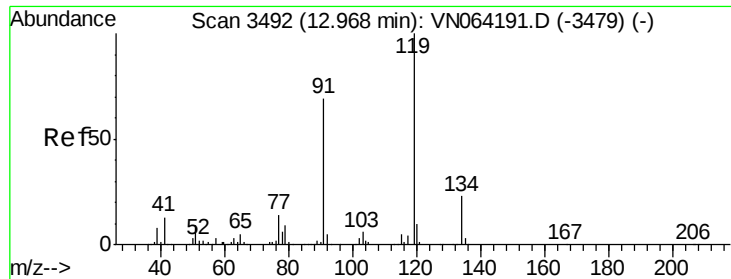
MMDadoda
10/23/2020 3:41:05 PM



#78
4-Chlorotoluene
Concen: 21.012 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	0.0	63.2





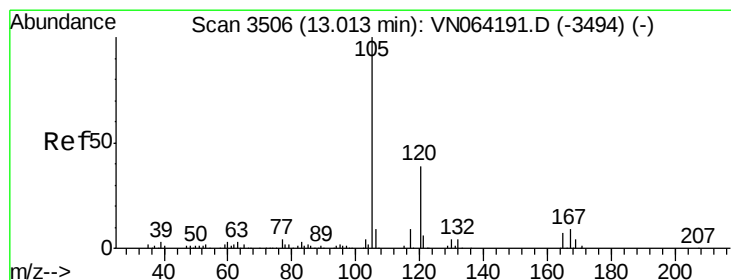
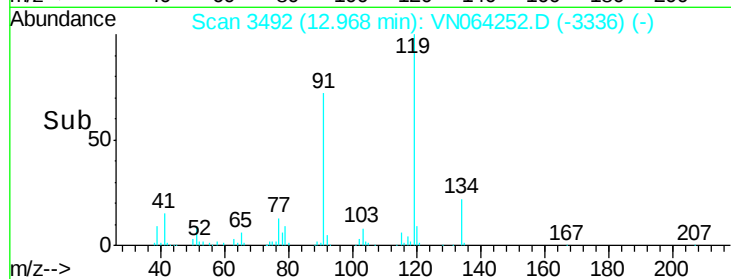
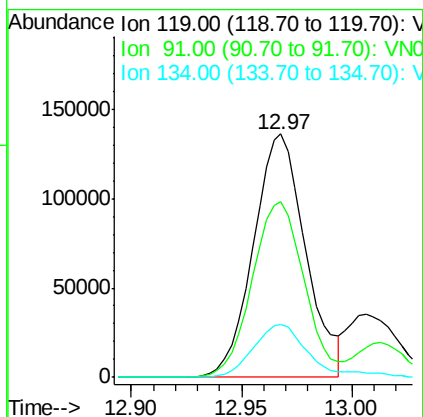
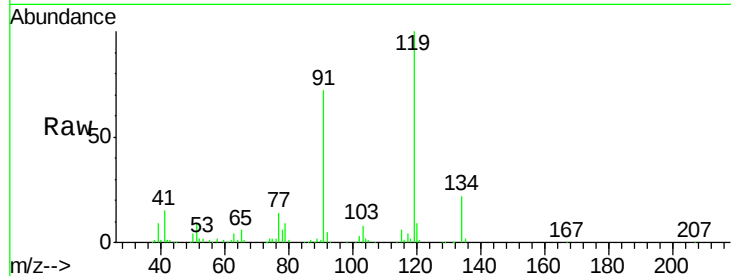
#79
tert-butylbenzene
Concen: 21.086 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	223716		
91	71.7	0.0	143.2	
134	21.5	0.0	49.2	

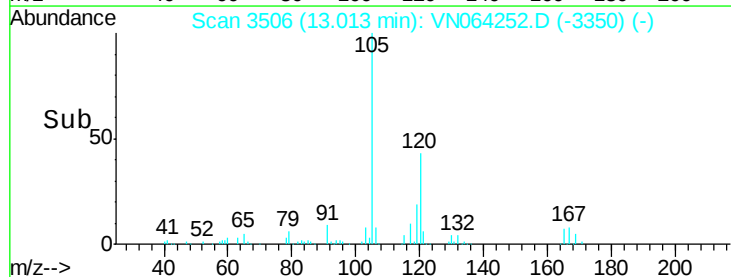
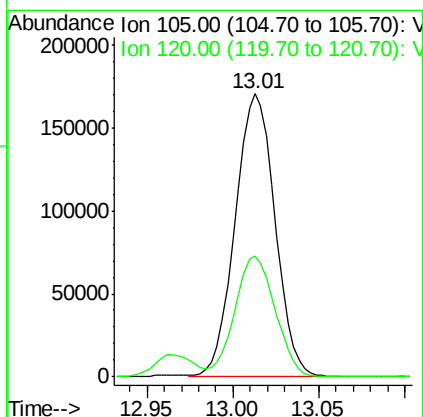
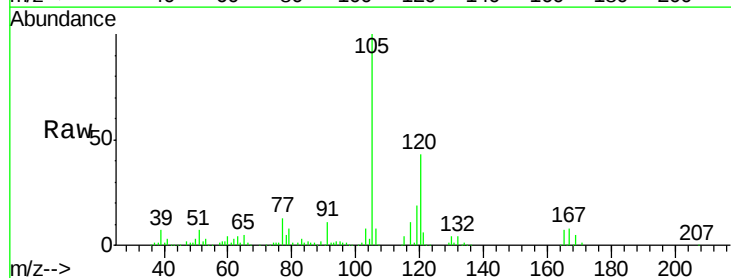
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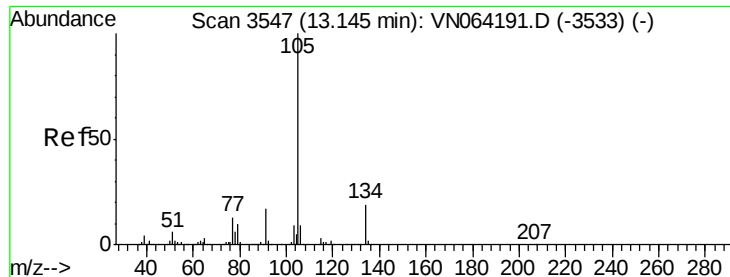
MMDadoda
10/23/2020 3:41:05 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.827 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274374		
120	43.4	0.0	85.8	





#81

sec-Butylbenzene

Concen: 20.135 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:105 Resp: 277947

Ion Ratio Lower Upper

105 100

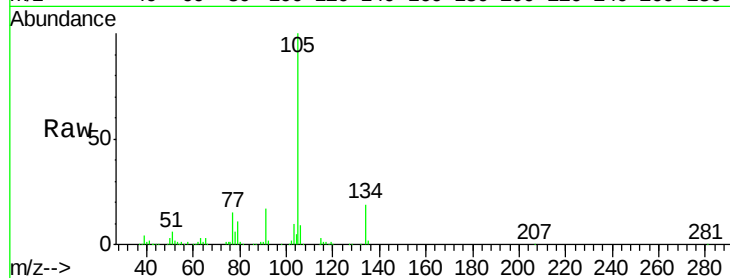
134 19.2 0.0 38.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

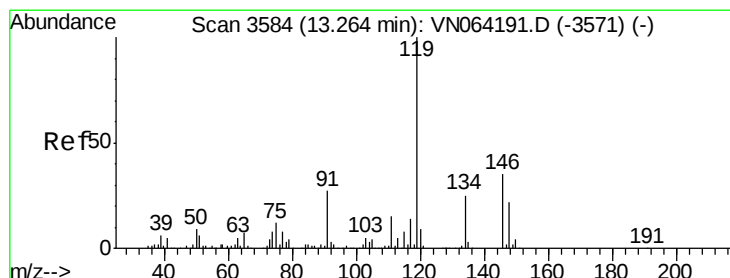
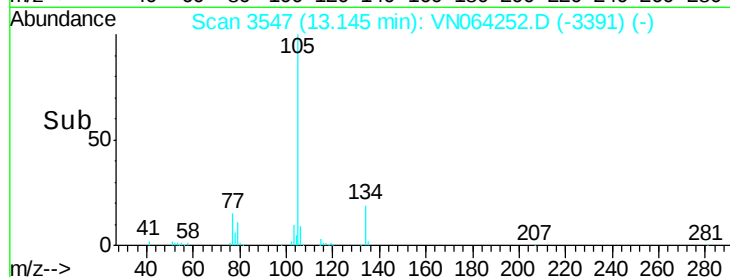
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 20.588 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

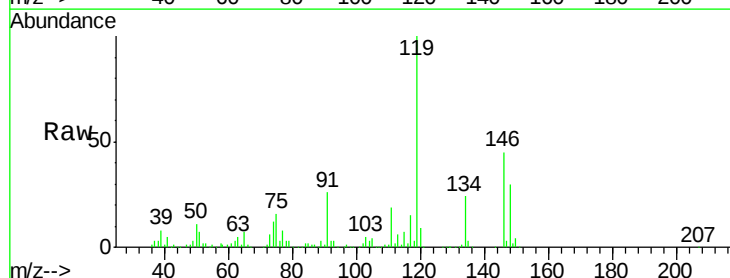
Tgt Ion:119 Resp: 263037

Ion Ratio Lower Upper

119 100

134 24.1 0.0 51.4

91 26.1 0.0 52.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

200000

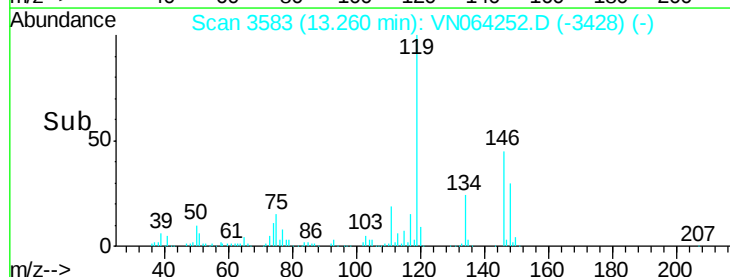
150000

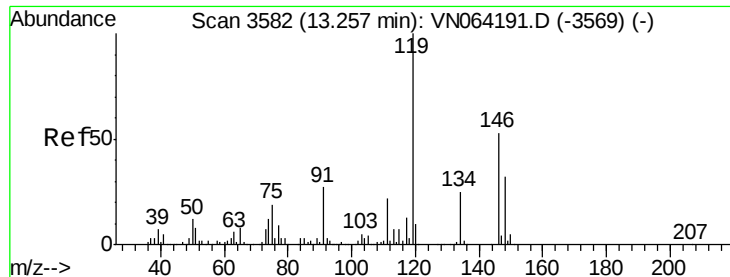
100000

50000

0

Time--> 13.20 13.25 13.30





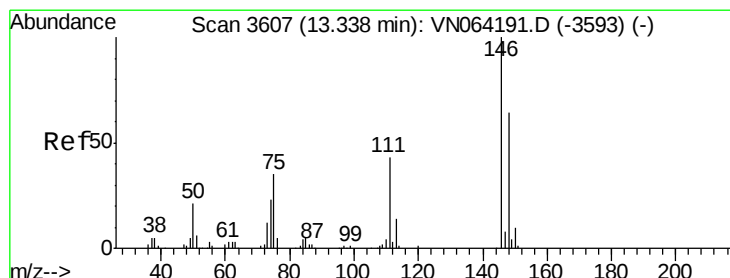
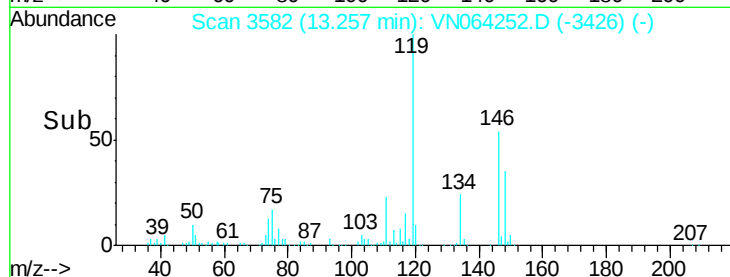
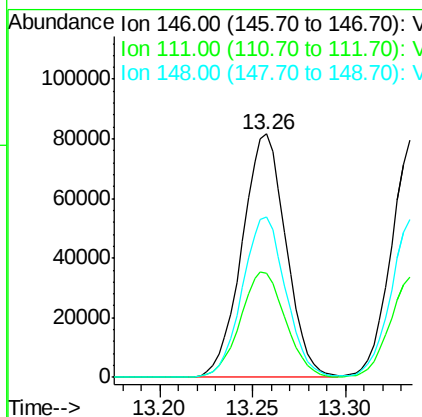
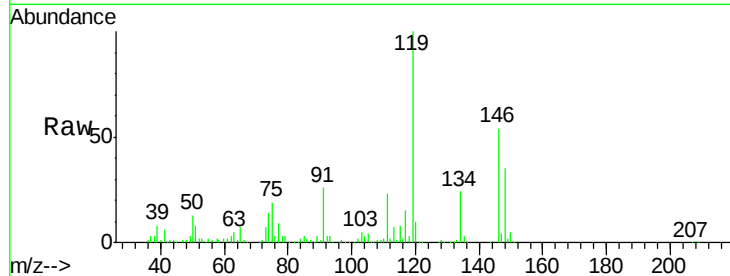
#83
 1,3-Dichlorobenzene
 Concen: 20.441 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.8	65.4
148	64.8	31.4	94.2

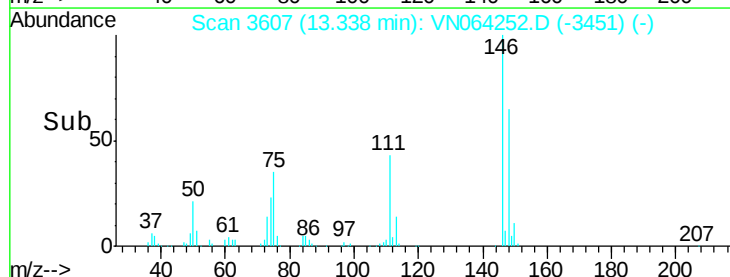
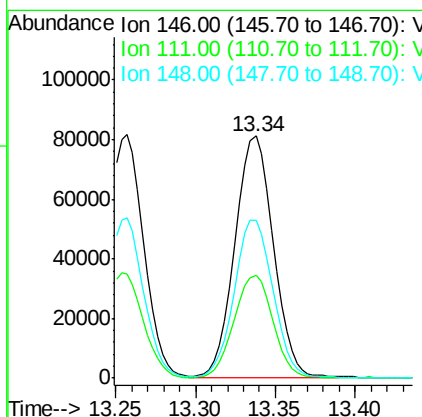
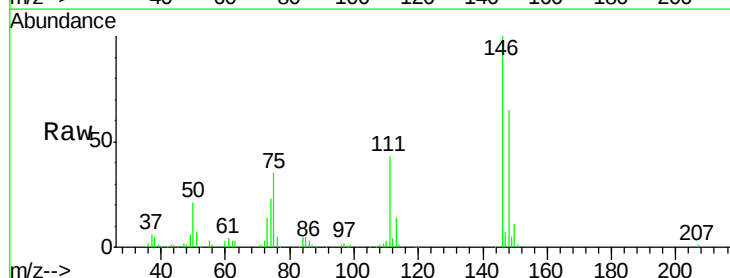
Manual Integrations
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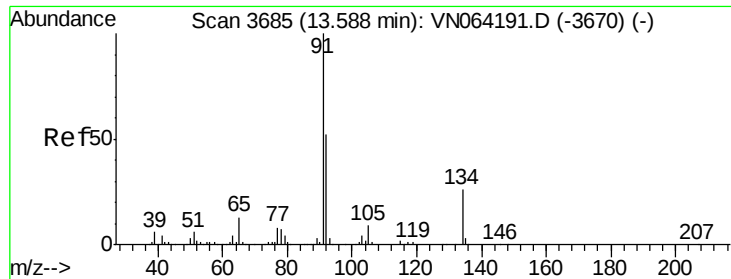
MMDadoda
 10/23/2020 3:41:05 PM



#84
 1,4-Dichlorobenzene
 Concen: 20.315 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	65.7	30.9	92.7





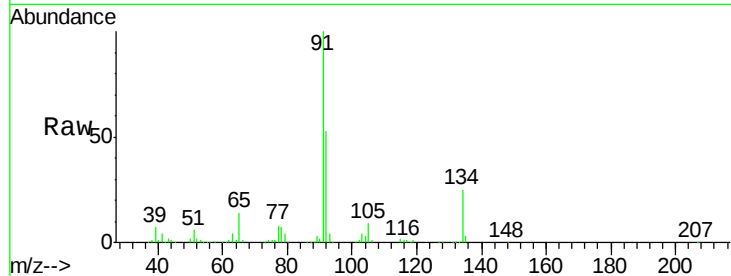
#85
n-Butylbenzene
Concen: 19.661 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

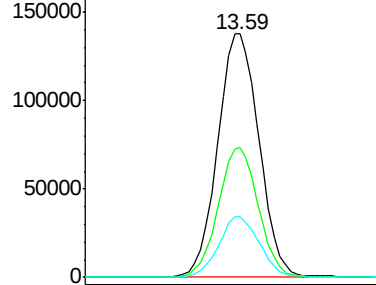
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	104.8
134	24.6	0.0	49.8

Manual Integrations
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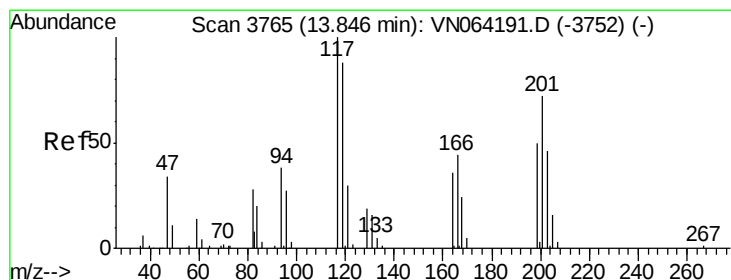
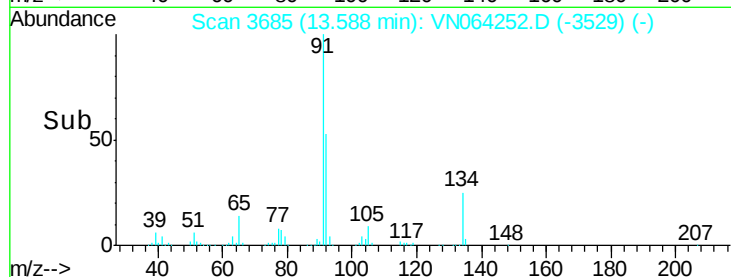
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN064191.D (-3670) (-)
Ion 92.00 (91.70 to 92.70): VN064191.D (-3670) (-)
Ion 134.00 (133.70 to 134.70): VN064191.D (-3670) (-)

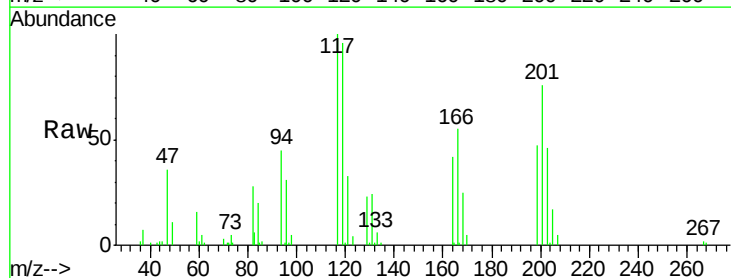


Time-->

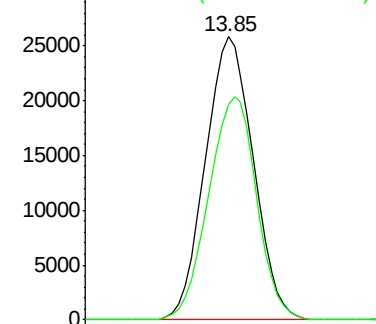


#86
Hexachloroethane
Concen: 20.201 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

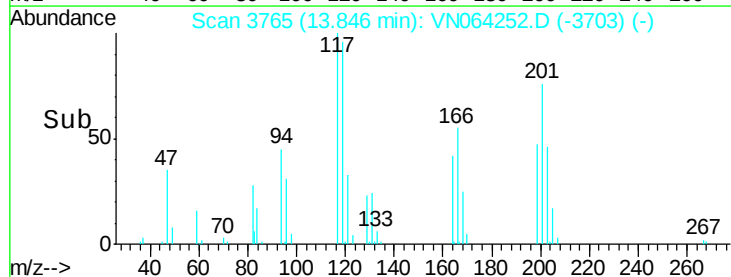
Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	37.5	112.3

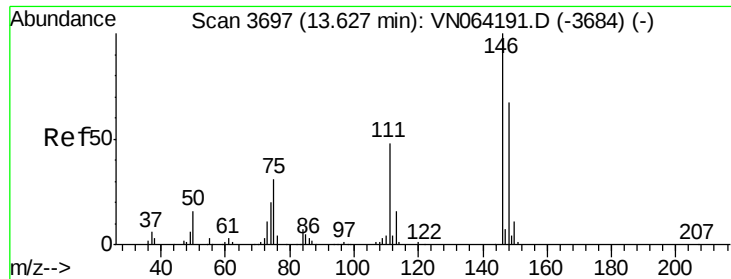


Abundance Ion 117.00 (116.70 to 117.70): VN064191.D (-3752) (-)
Ion 201.00 (200.70 to 201.70): VN064191.D (-3752) (-)



Time-->





#87

1,2-Dichlorobenzene

Concen: 20.505 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Instrument :

MSVOA_N

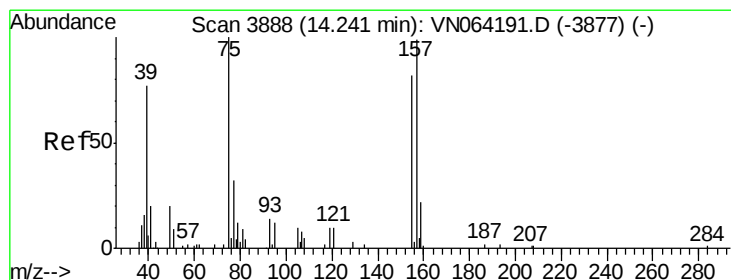
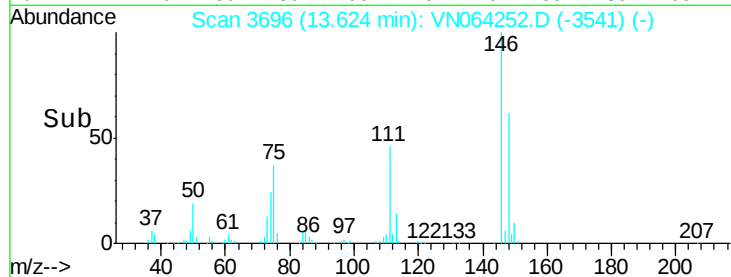
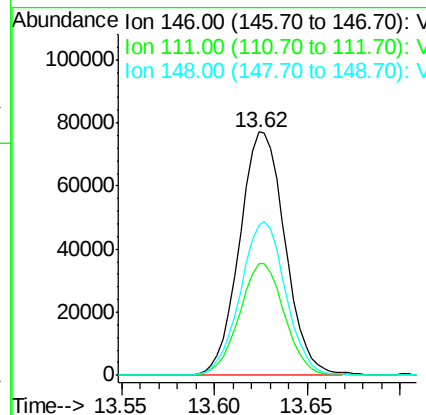
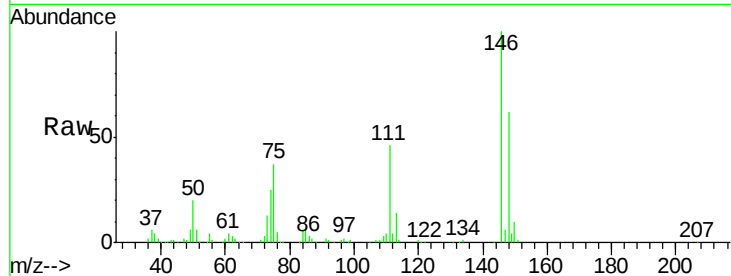
ClientSampleId :

VSTDCCC020

Tot Ion:	146	Resp:	131824
Ion Ratio	Lower	Upper	
146	100		
111	45.6	22.6	67.8
148	63.0	32.6	97.8

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.916 ug/l

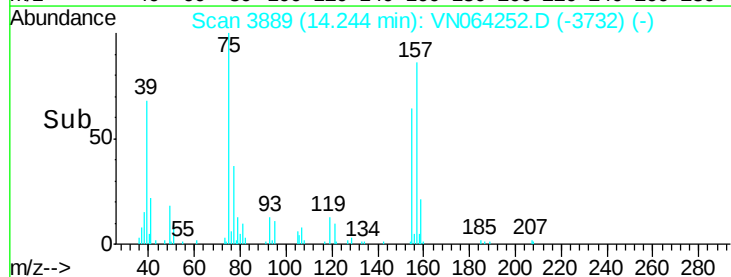
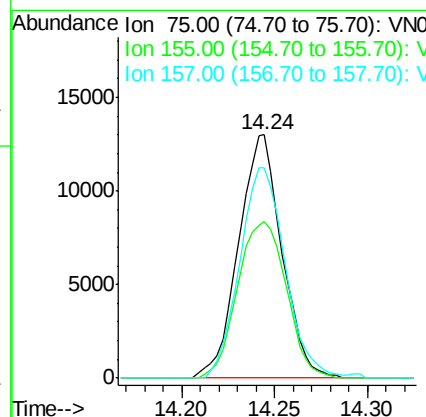
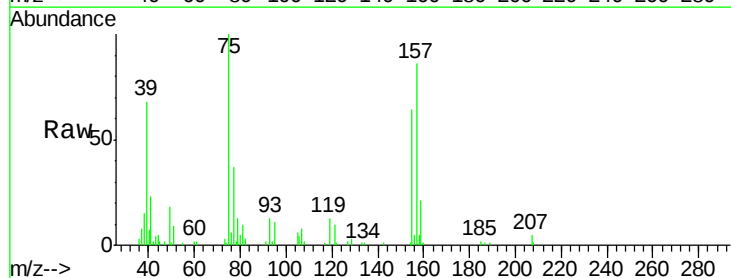
RT: 14.24 min Scan# 3889

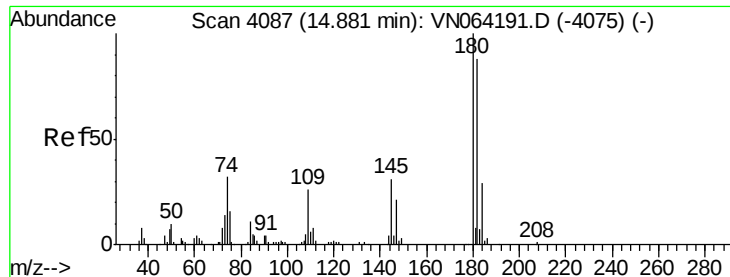
Delta R.T. 0.00 min

Lab File: VN064252.D

Acq: 22 Oct 2020 14:35

Tgt Ion:	75	Resp:	21081
Ion Ratio	Lower	Upper	
75	100		
155	72.4	61.1	91.7
157	91.0	76.5	114.7





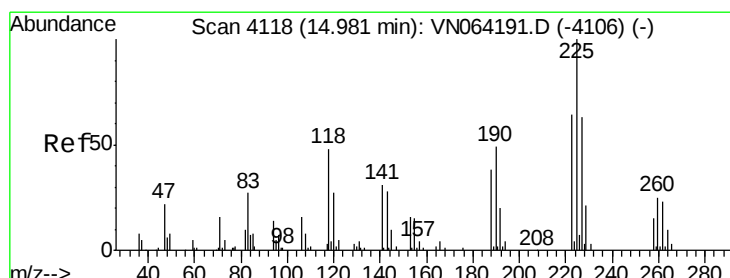
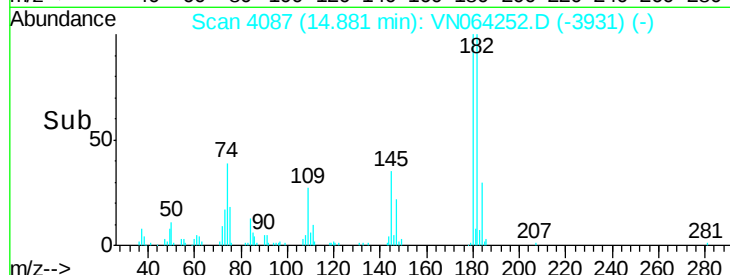
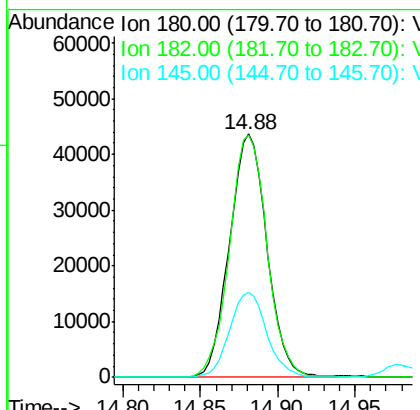
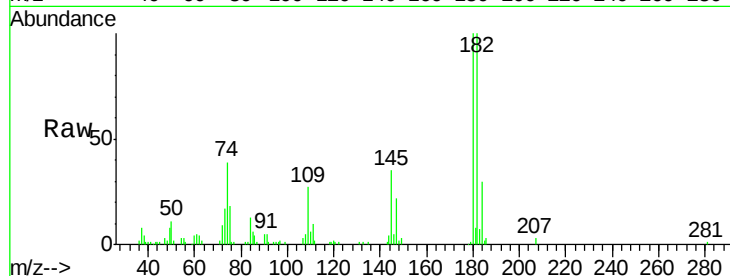
#89
 1,2,4-Trichlorobenzene
 Concen: 19.007 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.3	73.0	109.4
145	34.5	24.3	36.5

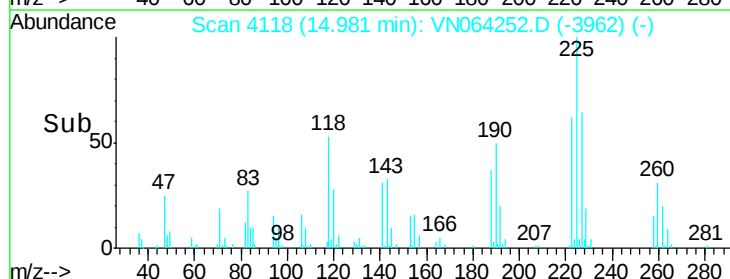
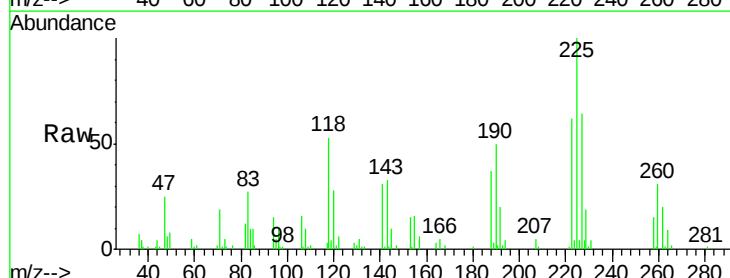
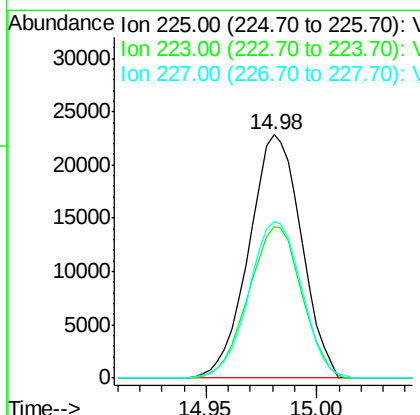
Manual Integrations
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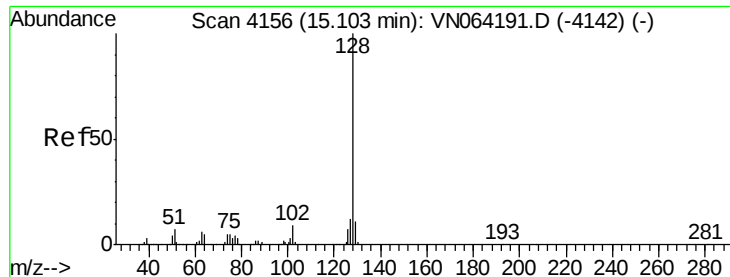
MMDadoda
 10/23/2020 3:41:05 PM



#90
 Hexachlorobutadiene
 Concen: 19.253 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064252.D
 Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	127.0
227	65.0	0.0	129.4





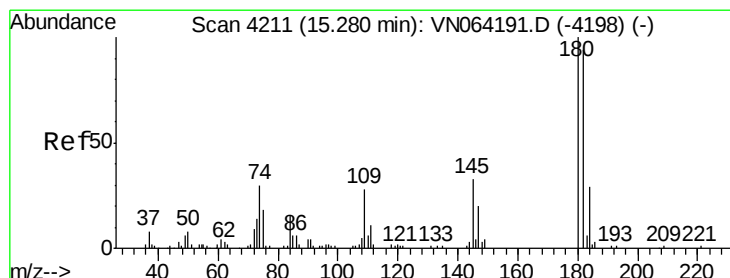
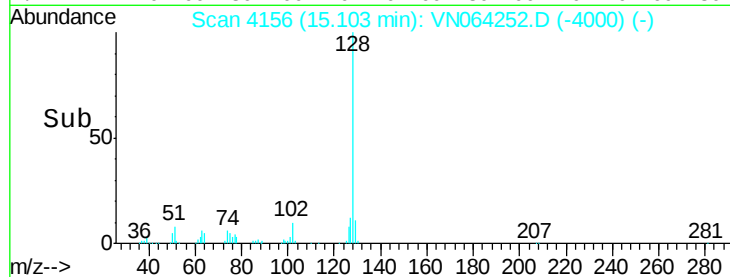
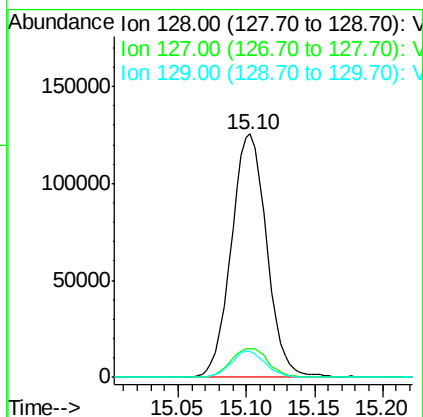
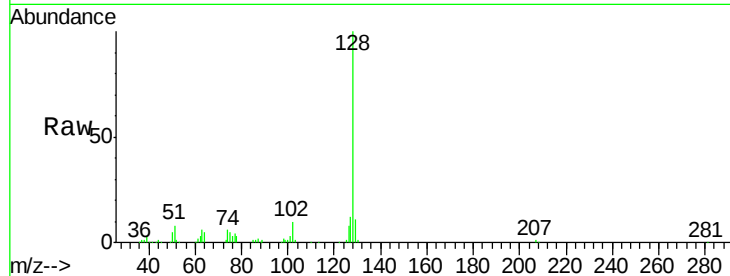
#91
Naphthalene
Concen: 19.349 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.3	8.7	13.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 19.515 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064252.D
Acq: 22 Oct 2020 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	0.0	190.0
145	33.3	0.0	66.6

