

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064423.D
 Acq On : 2 Nov 2020 18:48
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:21:00 PM

Quant Time: Nov 03 03:30:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 03 02:03:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	54642	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	298312	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	270133	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	139212	31.21	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.03%
60) 4-Bromofluorobenzene	12.38	95	135813	29.75	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	99.17%
63) Toluene-d8	10.06	98	368288	30.57	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	65634	18.676	ug/l 100
3) Chloromethane	2.04	50	65707	18.099	ug/l 96
4) Vinyl Chloride	2.16	62	69152	18.462	ug/l 96
5) Bromomethane	2.54	94	45543	18.630	ug/l 97
6) Chloroethane	2.68	64	40648	18.596	ug/l 98
7) Trichlorofluoromethane	2.99	101	114776	18.497	ug/l 95
8) Diethyl Ether	3.37	74	34878	18.321	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54661	17.699	ug/l 98
10) 1,1-Dichloroethene	3.70	96	52026	17.600	ug/l 90
11) Methyl Iodide	3.91	142	69007	17.392	ug/l 98
12) Methyl Acetate	4.28	43	57170	18.481	ug/l 98
13) Acrolein	3.57	56	30740m	102.952	ug/l
14) Acrylonitrile	4.93	53	125116	89.898	ug/l 97
15) Acetone	3.78	58	35870	74.382	ug/l 97
16) Carbon Disulfide	4.01	76	146675	17.484	ug/l 98
17) Allyl chloride	4.28	41	92043	17.752	ug/l 88
18) Methylene Chloride	4.51	84	61220	17.899	ug/l 95
19) trans-1,2-Dichloroethene	4.99	96	59126	18.173	ug/l 91
20) Diisopropyl ether	5.90	45	200092	18.034	ug/l 94
21) 1,1-Dichloroethane	5.79	63	110942	17.729	ug/l 96
22) cis-1,2-Dichloroethene	6.78	96	67734	17.569	ug/l 98
23) tert-Butyl Alcohol	4.72	59	49673	93.985	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	190669	18.024	ug/l 97
25) Chloroform	7.33	83	121835	18.177	ug/l 93
26) Cyclohexane	7.61	56	86279	17.409	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	86509	18.025	ug/l 87
30) 2-Butanone	6.78	43	185217	85.005	ug/l 99
31) 2,2-Dichloropropane	6.77	77	102785	17.446	ug/l # 86
32) 1,1,1-Trichloroethane	7.53	97	113520	18.044	ug/l 98
33) Carbon Tetrachloride	7.73	117	100292	17.695	ug/l 98
34) Benzene	8.00	78	248362	18.264	ug/l 94
35) Methacrylonitrile	7.13	41	41050	19.057	ug/l 83
36) 1,2-Dichloroethane	8.08	62	103339	18.376	ug/l 99
37) Trichloroethene	8.80	130	68344	17.902	ug/l 96
38) Methylcyclohexane	9.05	83	76114	17.485	ug/l 97
39) 1,2-Dichloropropane	9.08	63	67132	19.242	ug/l 91
40) Dibromomethane	9.17	93	46425	18.360	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	97463	18.248	ug/l	98
42) Vinyl Acetate	5.84	43	850073	92.158	ug/l	100
43) Ethyl Acetate	6.88	43	81866	19.402	ug/l #	85
44) Isopropyl Acetate	8.13	43	138407m	18.441	ug/l	
45) 1,4-Dioxane	9.16	88	19037	361.458	ug/l	94
46) Methyl methacrylate	9.16	41	67274	18.156	ug/l	97
47) n-amyl Acetate	12.05	43	111130	17.409	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	103341	17.532	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	109603	17.970	ug/l	90
50) 1,1,2-Trichloroethane	10.53	97	62539	18.420	ug/l	95
51) Ethyl methacrylate	10.40	69	84367	17.299	ug/l	97
52) 1,3-Dichloropropane	10.68	76	102697	17.937	ug/l	99
53) Dibromochloromethane	10.87	129	72839	17.466	ug/l	98
54) 1,2-Dibromoethane	10.98	107	65723	18.085	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	224709	85.726	ug/l	99
56) Bromoform	12.10	173	50751	17.254	ug/l #	97
58) 4-Methyl-2-Pentanone	9.95	43	401838	93.981	ug/l	99
59) 2-Hexanone	10.72	43	286324	89.972	ug/l	99
61) Tetrachloroethene	10.60	164	65962	18.013	ug/l	97
62) Toluene	10.12	91	268295	17.732	ug/l	100
64) Chlorobenzene	11.41	112	171778	18.135	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	69693	18.937	ug/l	96
66) Ethyl Benzene	11.48	91	294220	17.622	ug/l	96
67) m/p-Xylenes	11.59	106	221803	35.319	ug/l	99
68) o-Xylene	11.92	106	106697	17.630	ug/l	94
69) Styrene	11.94	104	175253	17.367	ug/l	99
70) Isopropylbenzene	12.22	105	278572	17.792	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	82297	18.902	ug/l	99
72) 1,2,3-Trichloropropane	12.52	75	81286m	17.882	ug/l	
73) Bromobenzene	12.50	156	73389	18.066	ug/l	100
74) n-propylbenzene	12.56	91	307493	17.911	ug/l	97
75) 2-Chlorotoluene	12.65	91	197958	18.202	ug/l	99
76) 1,3,5-Trimethylbenzene	12.70	105	229150	17.767	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	26525	16.552	ug/l	89
78) 4-Chlorotoluene	12.75	91	200706	17.863	ug/l	97
79) tert-butylbenzene	12.97	119	179015	17.354	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	231345	17.704	ug/l	98
81) sec-Butylbenzene	13.14	105	228023	17.524	ug/l	100
82) p-Isopropyltoluene	13.26	119	209779	17.546	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	120141	17.408	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	121715	17.509	ug/l	97
85) n-Butylbenzene	13.59	91	161658	16.940	ug/l	98
86) Hexachloroethane	13.85	117	37842	16.878	ug/l	99
87) 1,2-Dichlorobenzene	13.63	146	117451	17.627	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18229	19.437	ug/l	89
89) 1,2,4-Trichlorobenzene	14.88	180	51530	15.815	ug/l	91
90) Hexachlorobutadiene	14.98	225	29599	17.069	ug/l	94
91) Naphthalene	15.10	128	154209	15.932	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	52001	16.140	ug/l	98

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VSTDCCC020EC

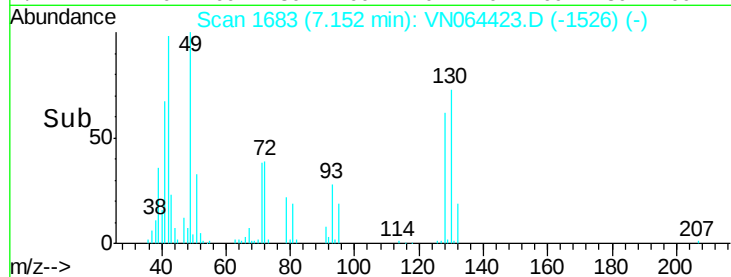
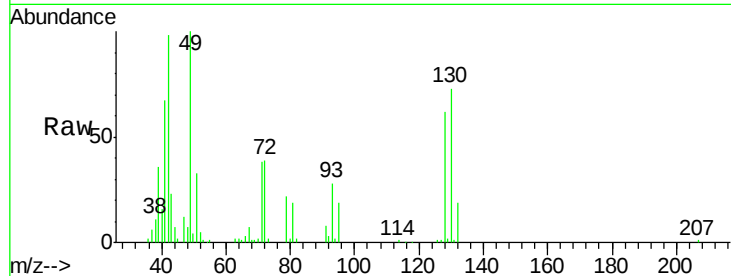
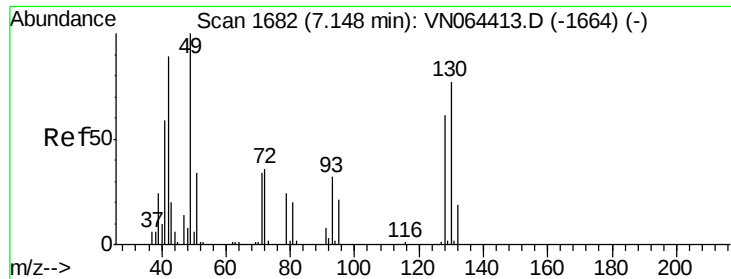
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064423.D

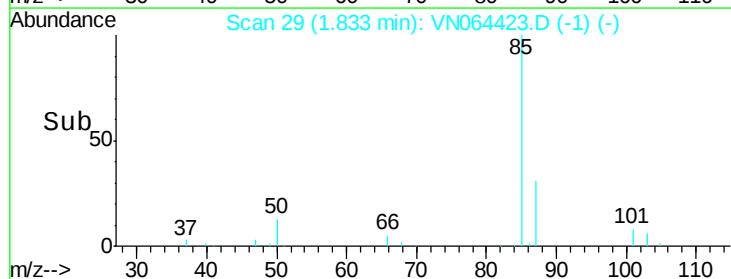
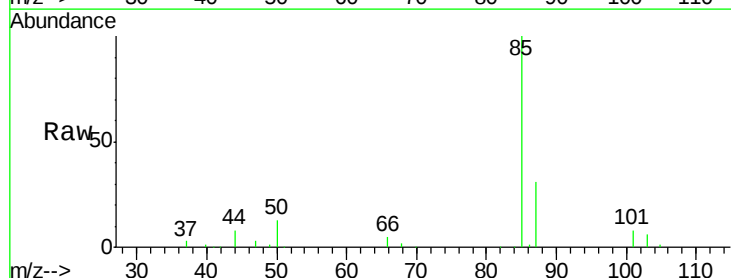
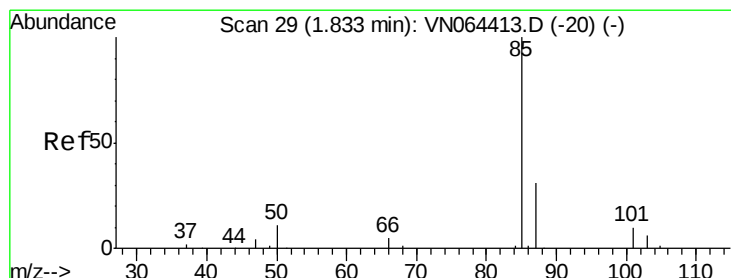
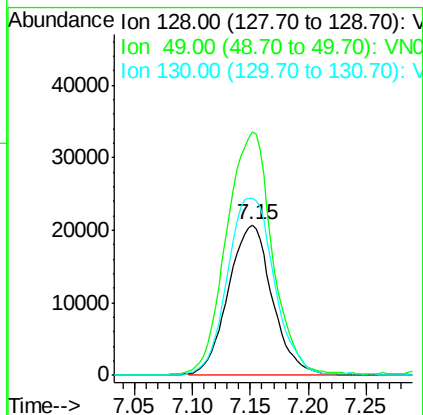
Acq: 2 Nov 2020 18:48

Tot Ion:	128	Resp:	54642
Ion	Ratio	Lower	Upper
128	100		
49	168.9	0.0	423.5
130	126.1	0.0	325.0

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#2

Dichlorodifluoromethane

Concen: 18.676 ug/l

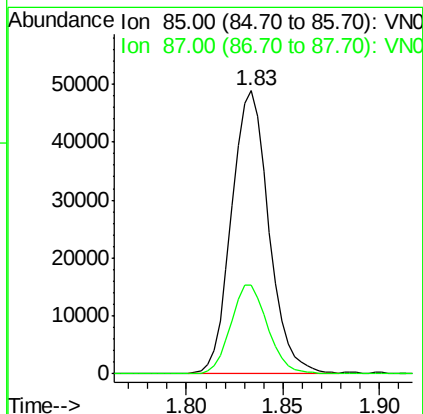
RT: 1.83 min Scan# 29

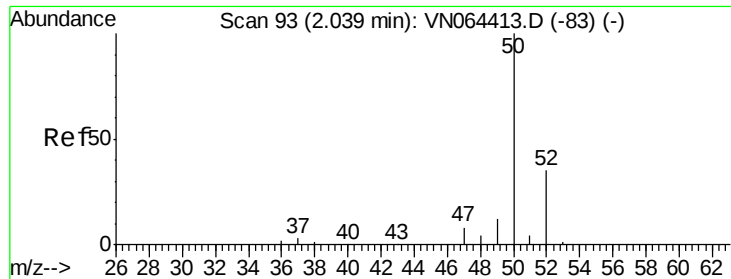
Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion:	85	Resp:	65634
Ion	Ratio	Lower	Upper
85	100		
87	31.3	15.7	47.1





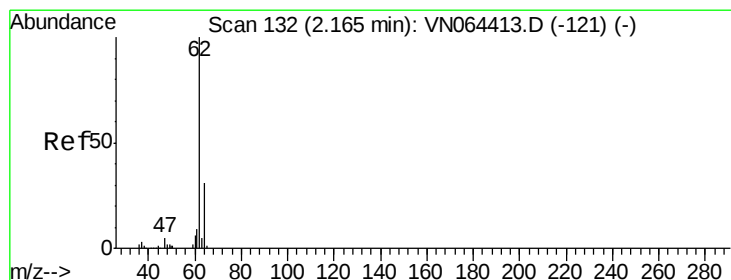
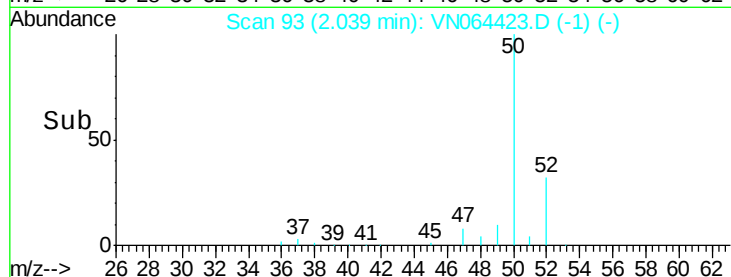
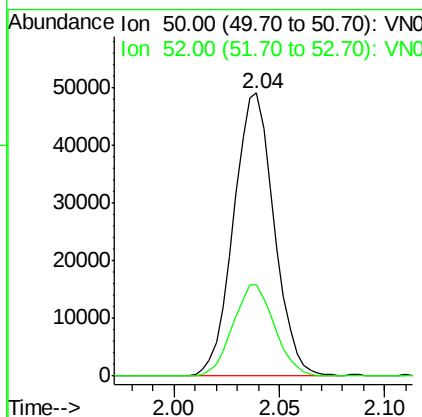
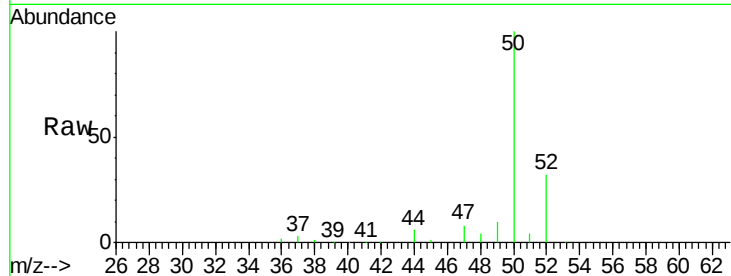
#3
Chloromethane
Concen: 18.099 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 50 Resp: 65707
Ion Ratio Lower Upper
50 100
52 32.1 27.7 41.5

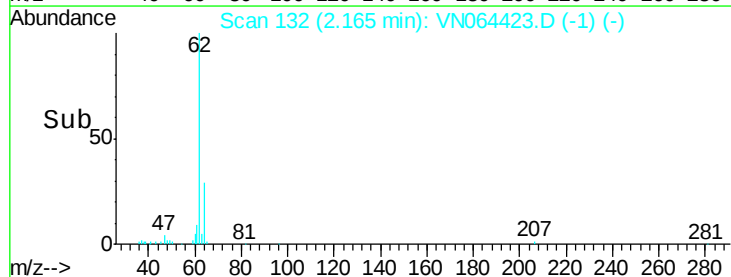
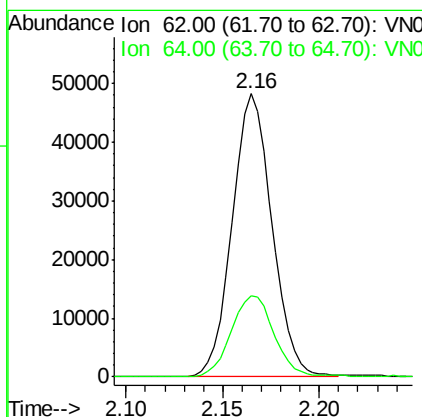
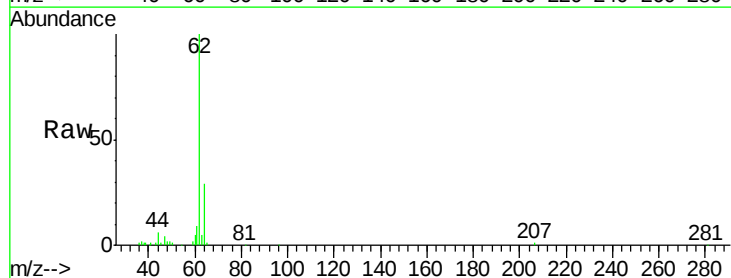
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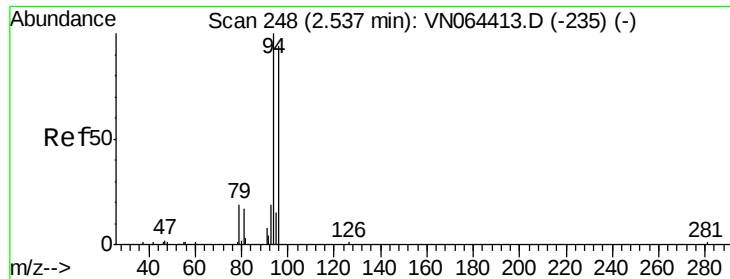
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#4
Vinyl Chloride
Concen: 18.462 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion: 62 Resp: 69152
Ion Ratio Lower Upper
62 100
64 28.6 24.5 36.7





#5

Bromomethane

Concen: 18.630 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 45543

Ion Ratio Lower Upper

94 100

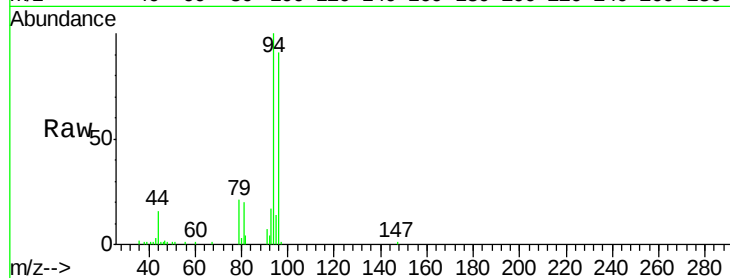
96 91.1 75.2 112.8

Manual Integrations

APPROVED

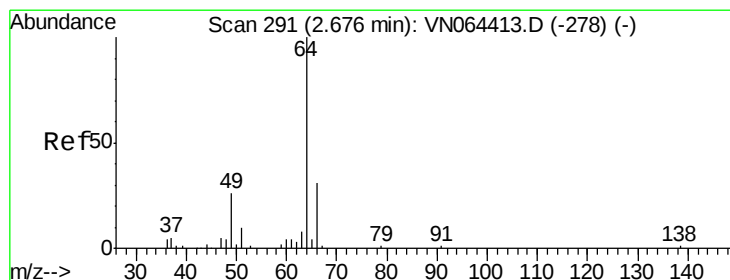
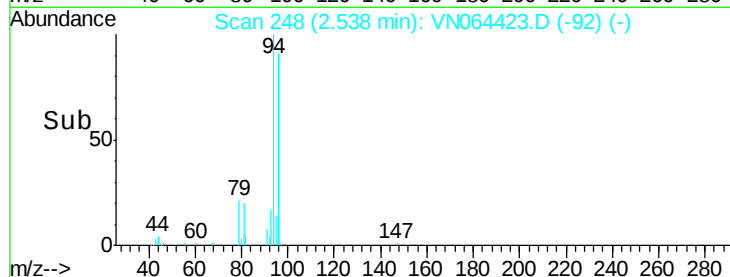
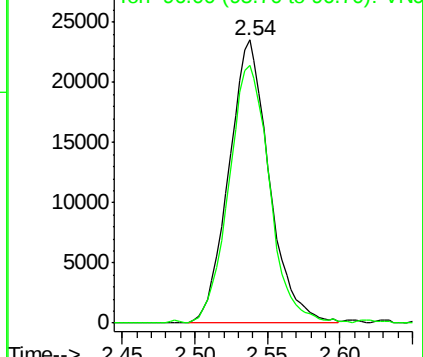
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 18.596 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN064423.D

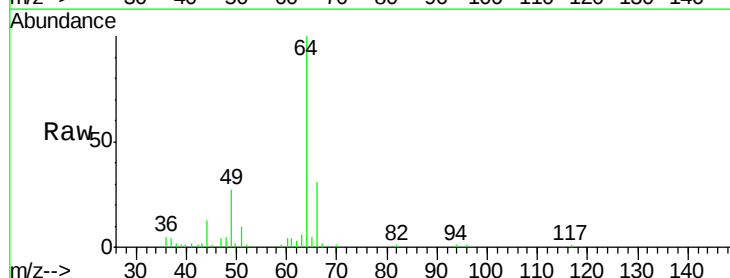
Acq: 2 Nov 2020 18:48

Tgt Ion: 64 Resp: 40648

Ion Ratio Lower Upper

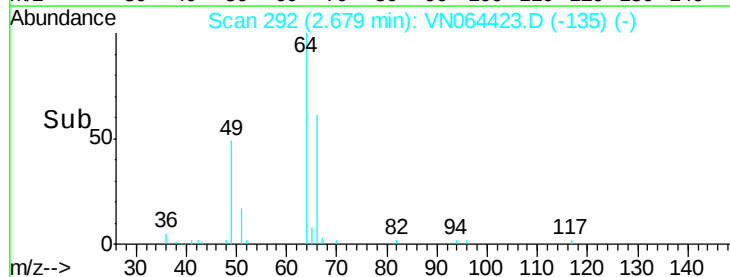
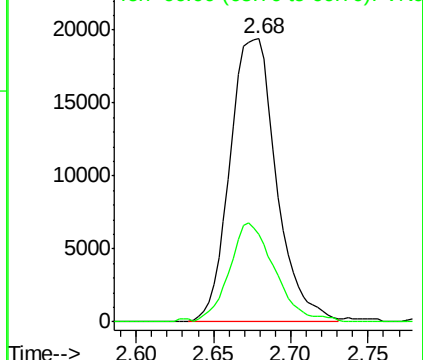
64 100

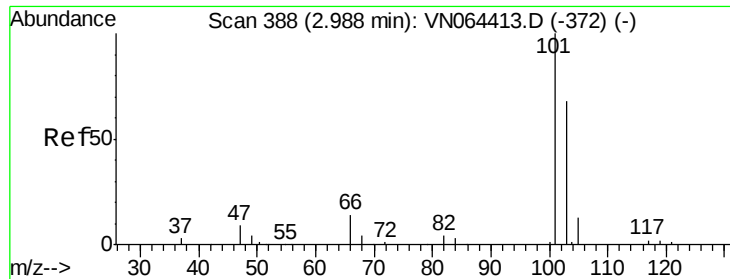
66 30.2 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

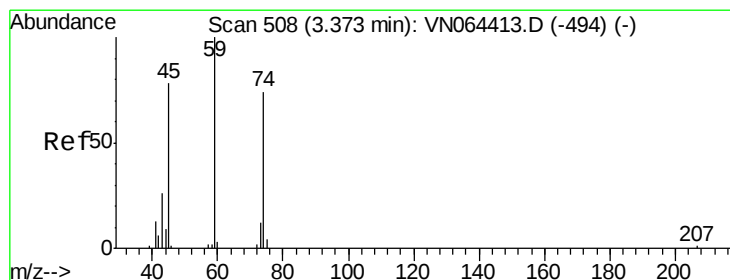
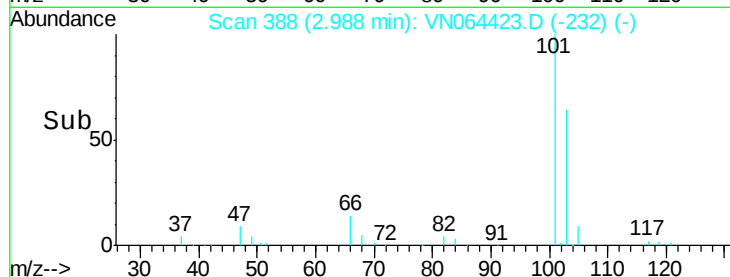
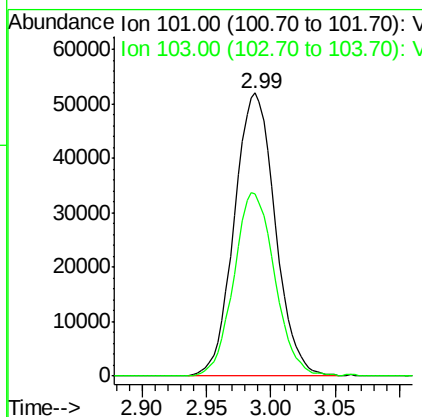
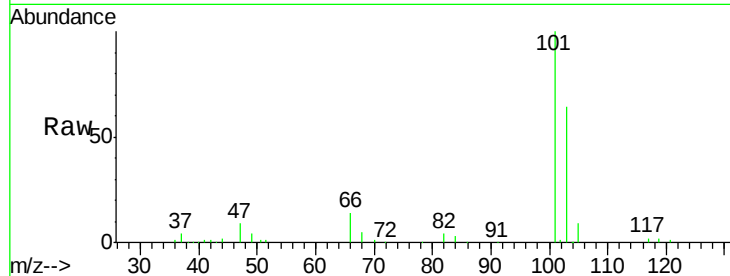
Trichlorofluoromethane
Concen: 18.497 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
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VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	54.6	81.8

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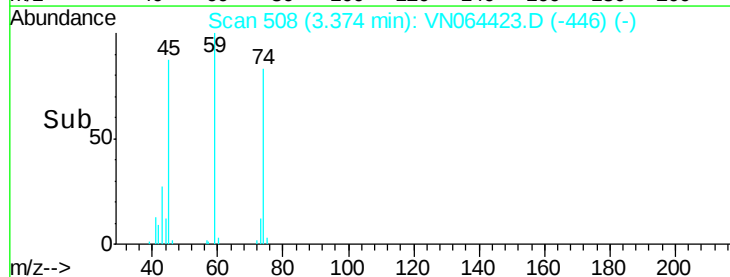
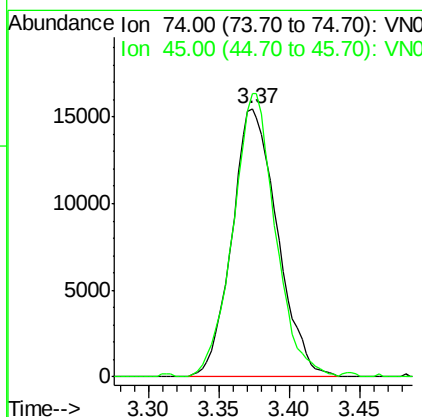
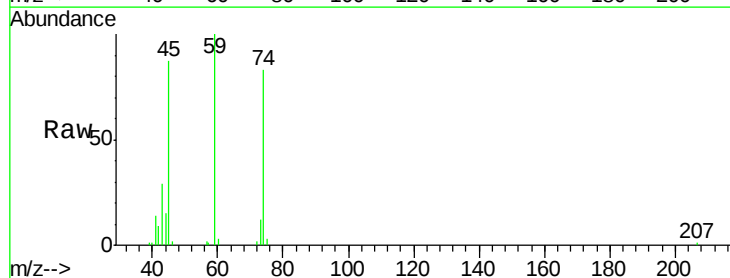
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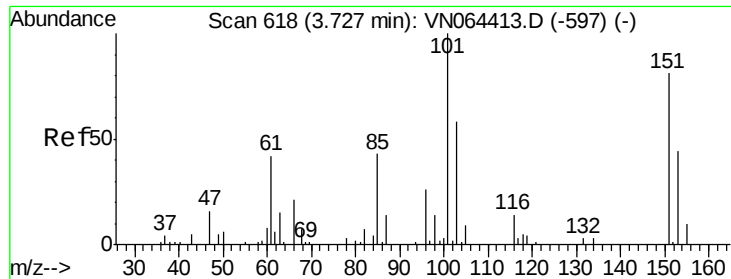


#8

Diethyl Ether
Concen: 18.321 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	21.2	190.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.699 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.01 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

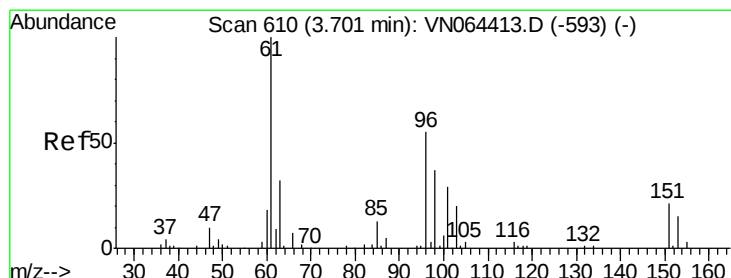
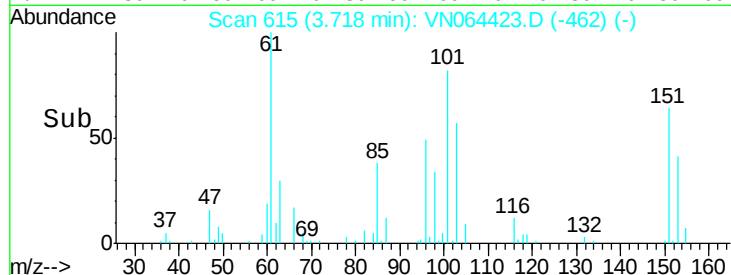
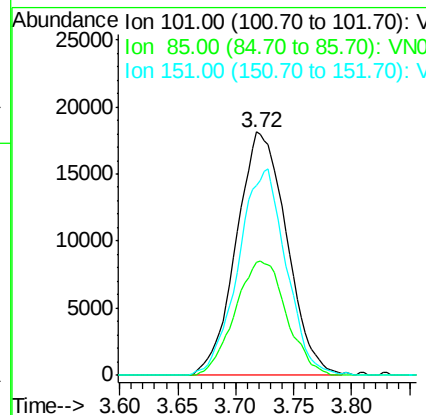
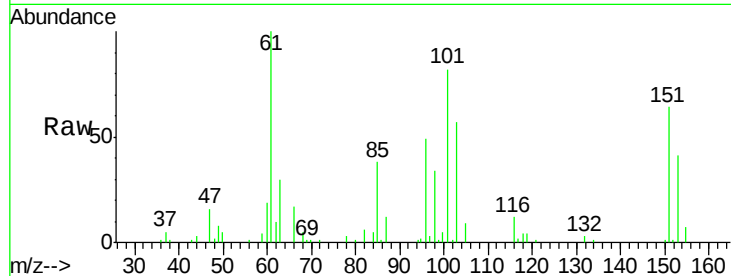
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	54661
Ion Ratio	Lower	Upper	
101	100		
85	47.8	0.0	89.6
151	80.4	0.0	158.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 17.600 ug/l

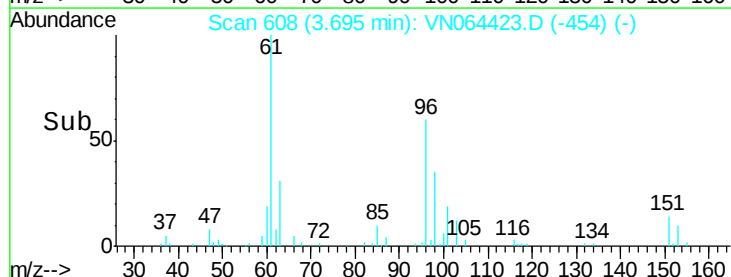
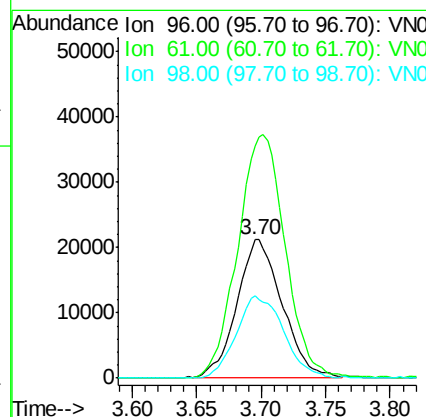
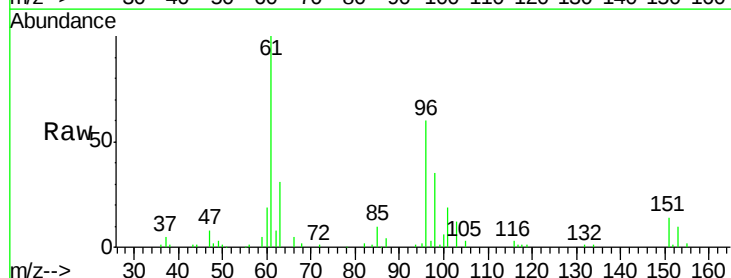
RT: 3.70 min Scan# 608

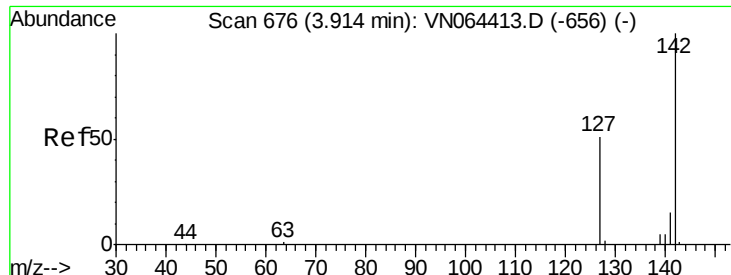
Delta R.T. -0.01 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion:	96	Resp:	52026
Ion Ratio	Lower	Upper	
96	100		
61	167.9	145.6	218.4
98	59.5	53.9	80.9





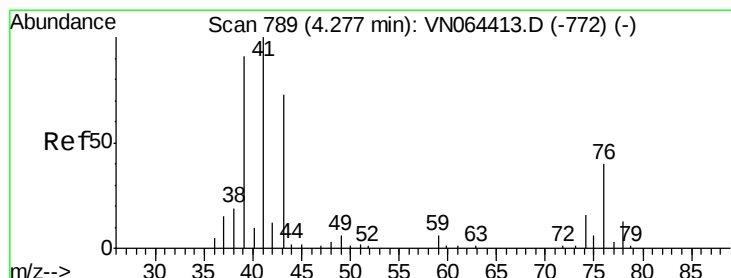
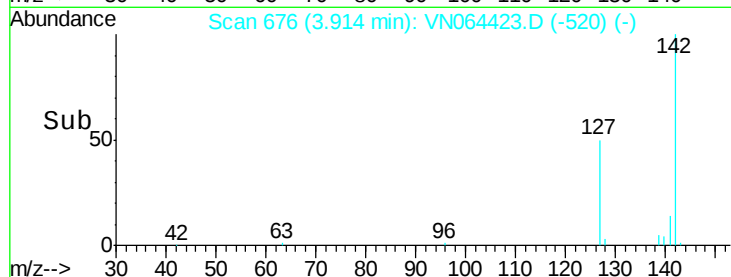
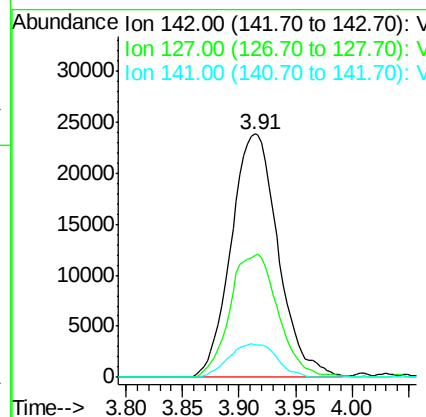
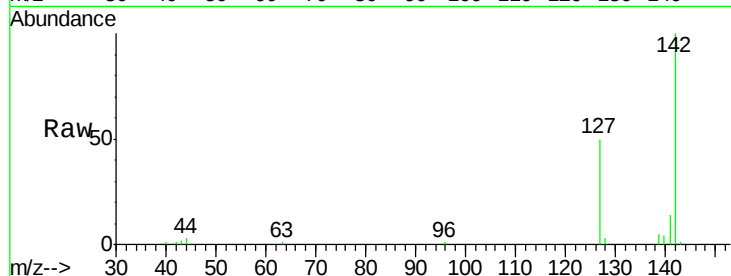
#11
Methyl Iodide
Concen: 17.392 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.8	25.4	76.2
141	13.6	7.8	23.3

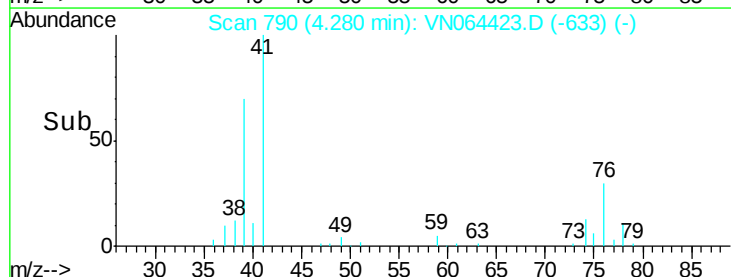
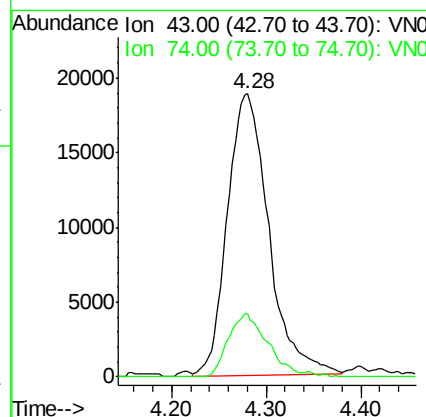
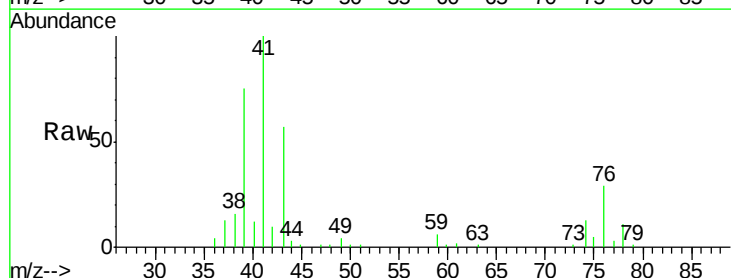
Manual Integrations
APPROVED

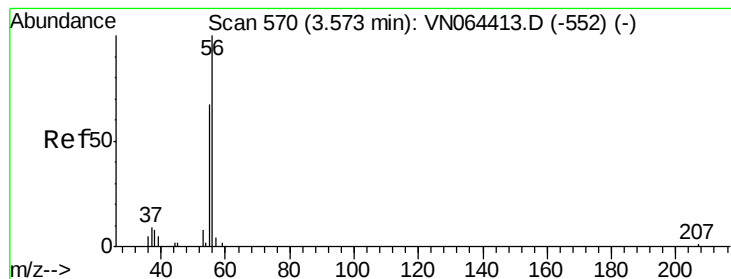
MMDadoda
11/3/2020 2:21:00 PM



#12
Methyl Acetate
Concen: 18.481 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.1	25.7





#13

Acrolein

Concen: 102.952 ug/l m

RT: 3.57 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 30740

Ion Ratio Lower Upper

56 100

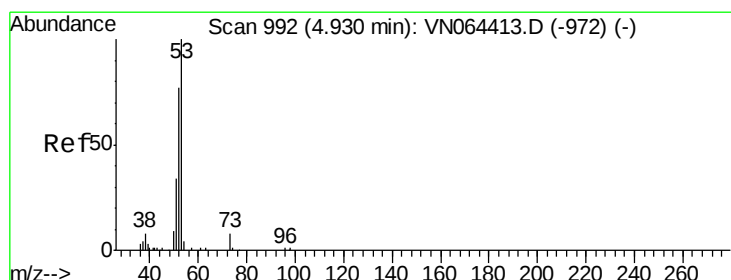
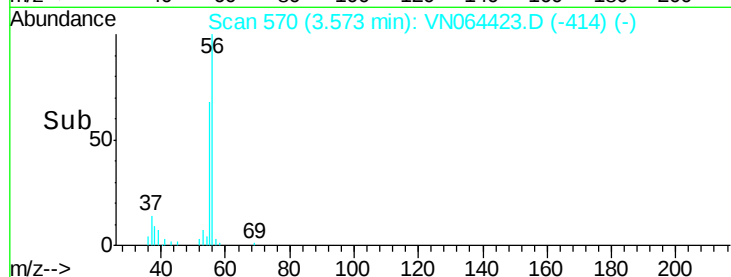
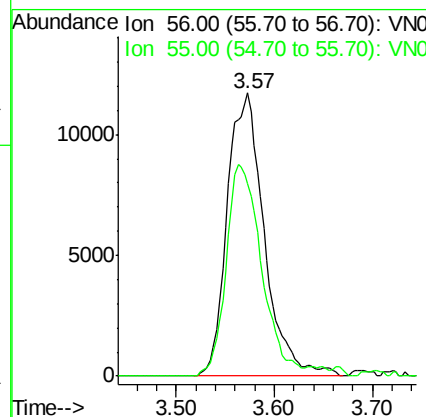
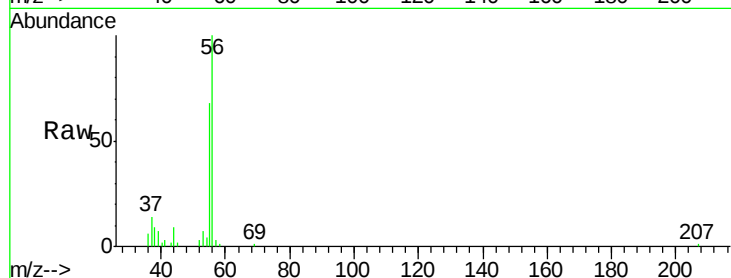
55 0.2 53.1 79.7#

Manual Integrations

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11/3/2020 2:21:00 PM



#14

Acrylonitrile

Concen: 89.898 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

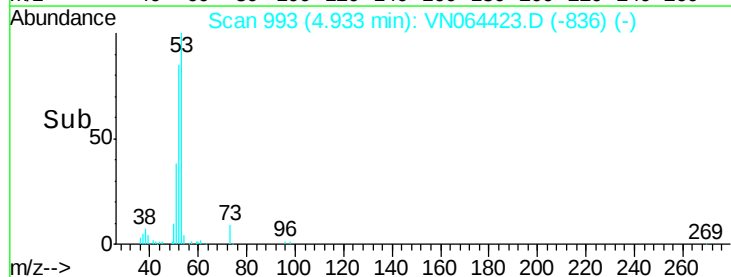
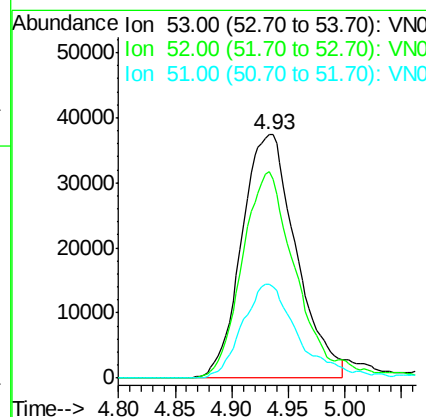
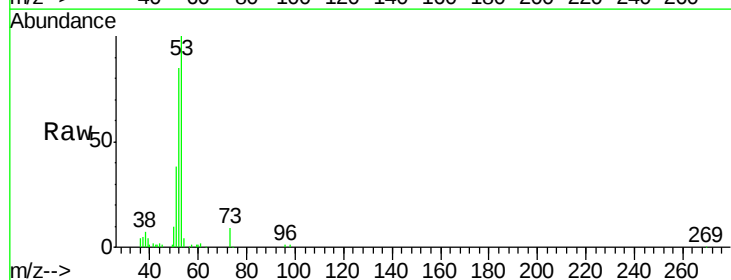
Tgt Ion: 53 Resp: 125116

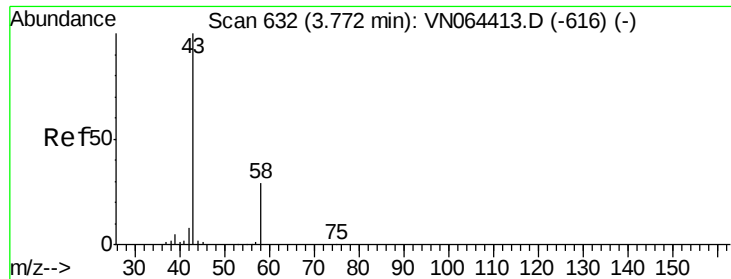
Ion Ratio Lower Upper

53 100

52 80.7 41.1 123.3

51 38.4 17.8 53.3





#15

Acetone

Concen: 74.382 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 35870

Ion Ratio Lower Upper

58 100

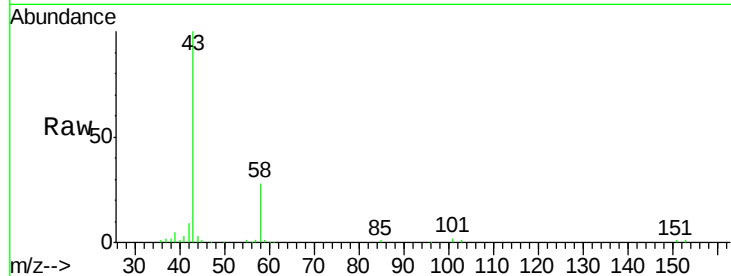
43 351.7 276.1 414.1

Manual Integrations

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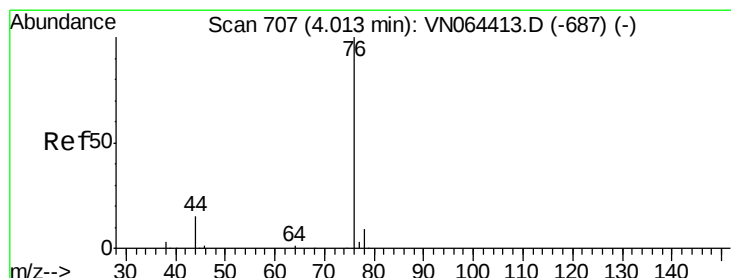
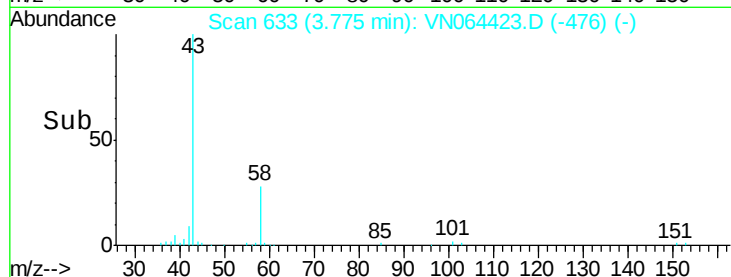
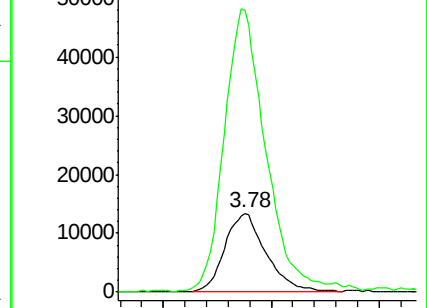
MMDadoda

11/3/2020 2:21:00 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.484 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064423.D

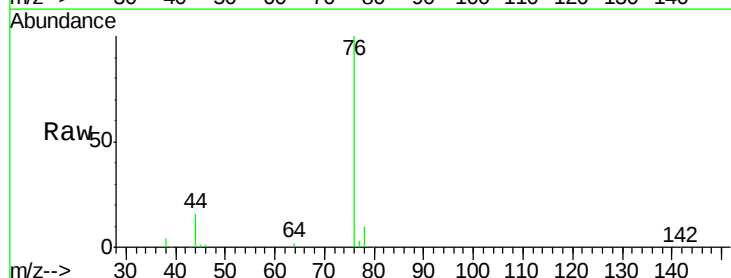
Acq: 2 Nov 2020 18:48

Tgt Ion: 76 Resp: 146675

Ion Ratio Lower Upper

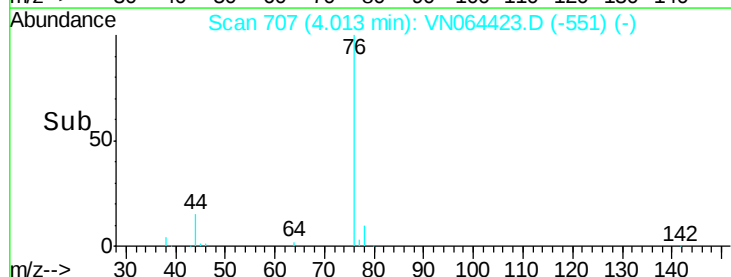
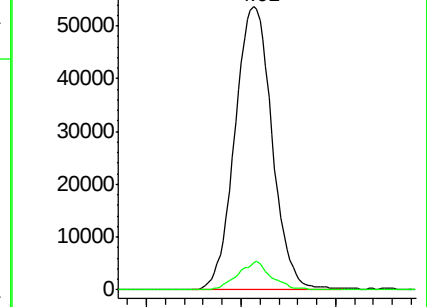
76 100

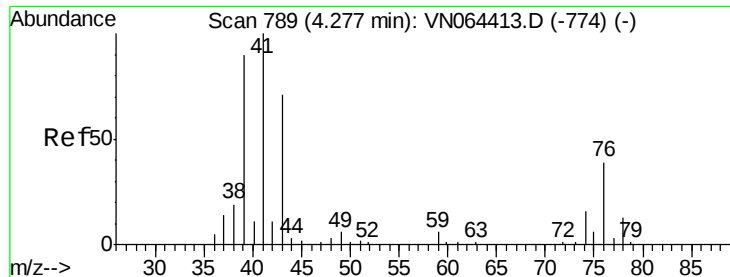
78 9.5 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





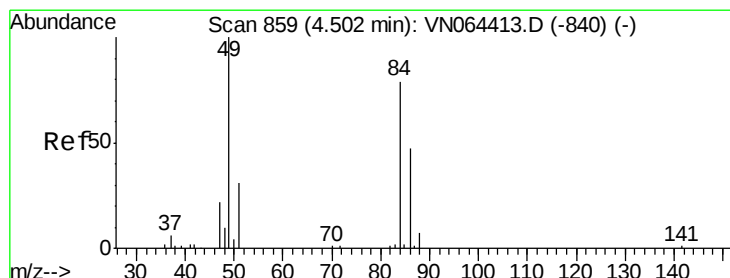
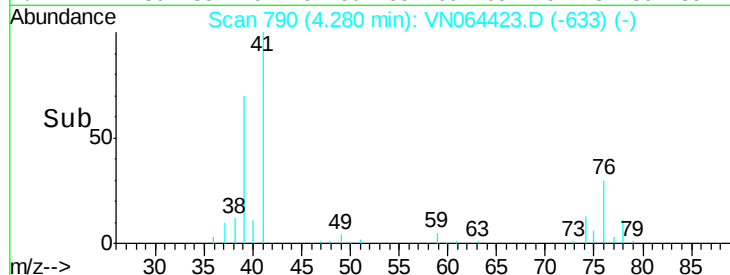
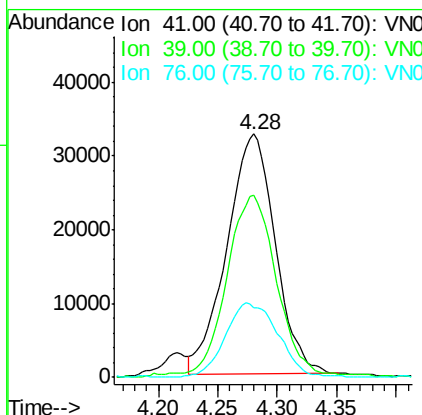
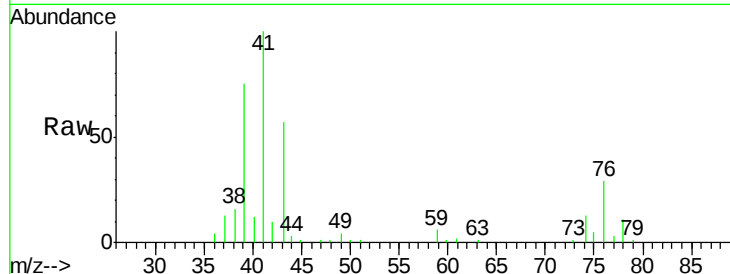
#17
Allvl chloride
Concen: 17.752 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.5	42.3	126.8
76	28.3	18.6	55.8

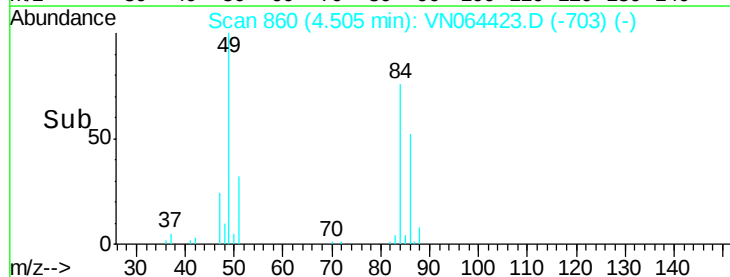
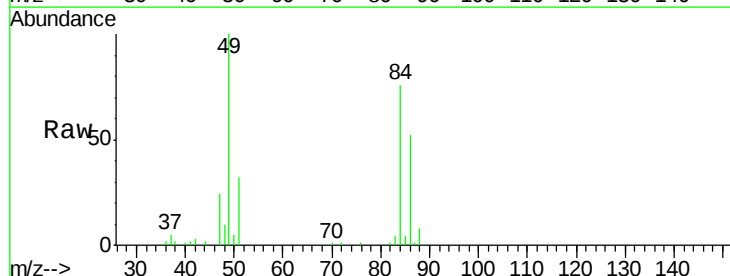
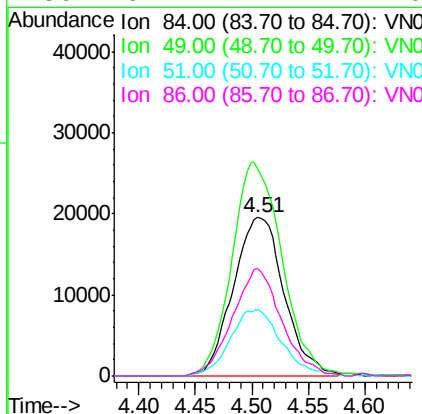
Manual Integrations
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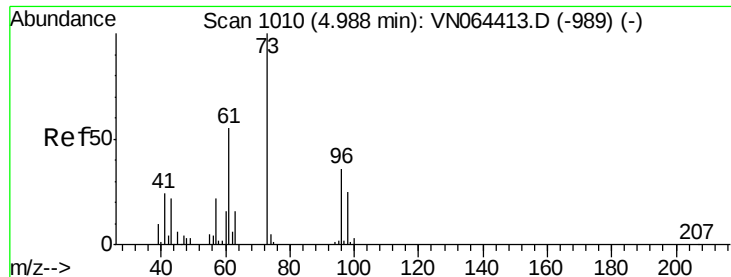
MMDadoda
11/3/2020 2:21:00 PM



#18
Methylene Chloride
Concen: 17.899 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.8	101.0	151.4
51	41.6	31.2	46.8
86	67.2	47.4	71.0





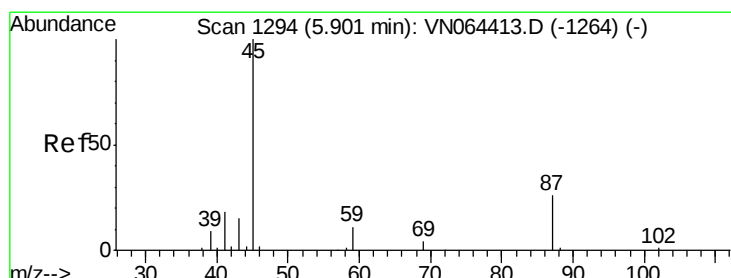
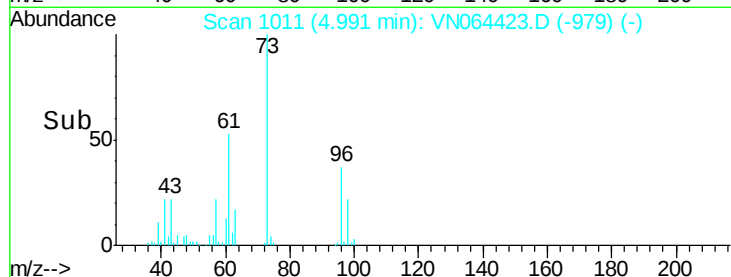
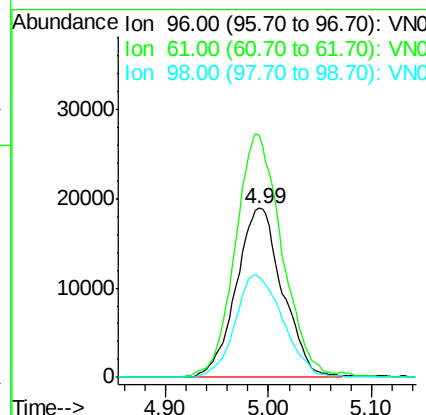
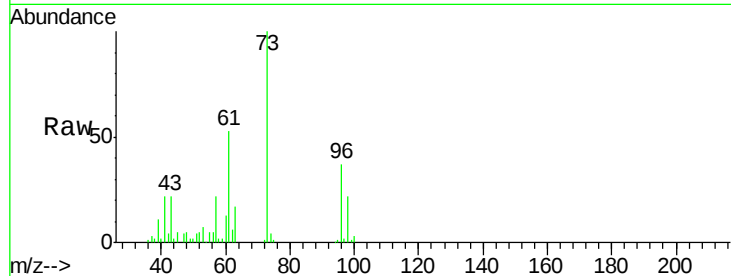
#19
trans-1,2-Dichloroethene
Concen: 18.173 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	121.4	182.0
98	59.6	55.5	83.3

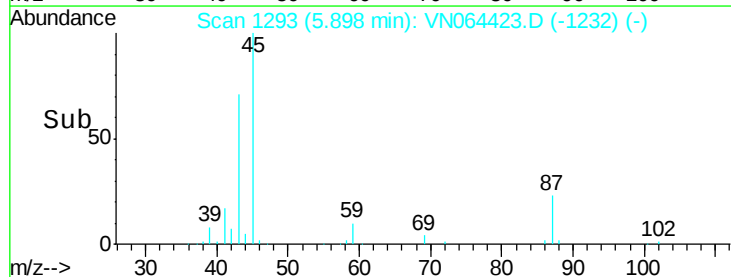
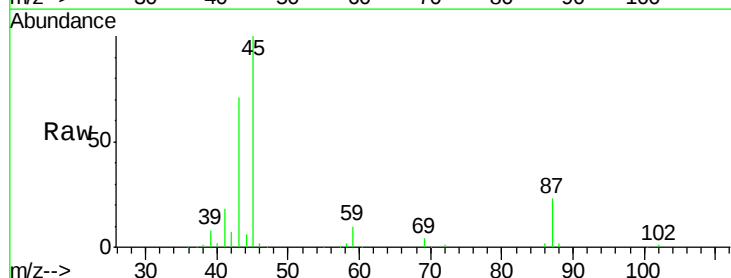
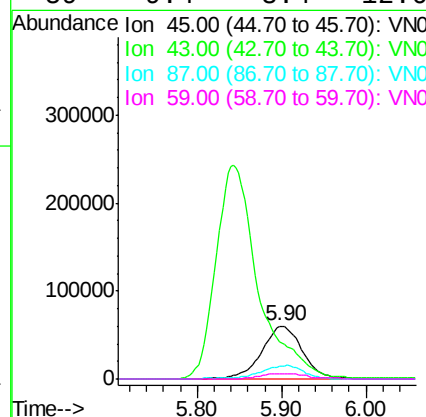
Manual Integrations
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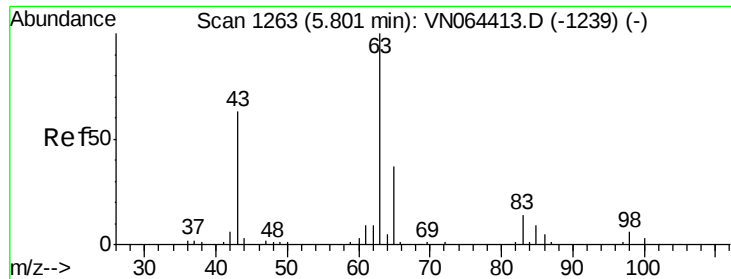
MMDadoda
11/3/2020 2:21:00 PM



#20
Diisopropyl ether
Concen: 18.034 ug/l
RT: 5.90 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.1	49.6	74.4
87	23.5	21.0	31.6
59	9.4	8.4	12.6





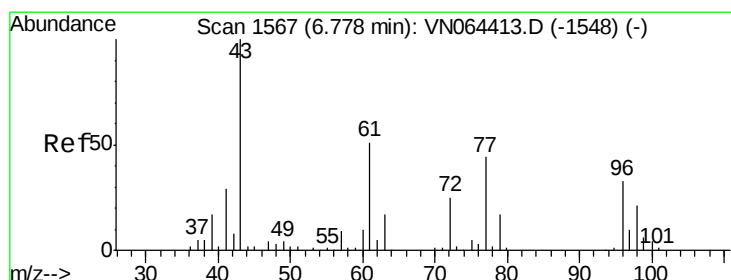
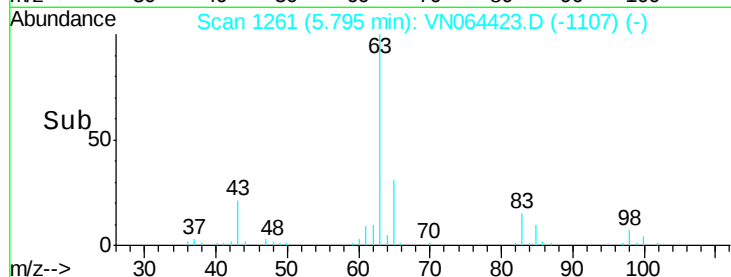
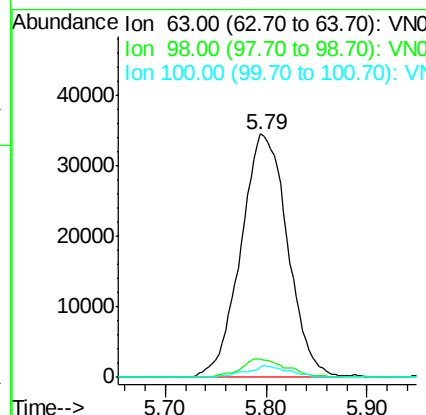
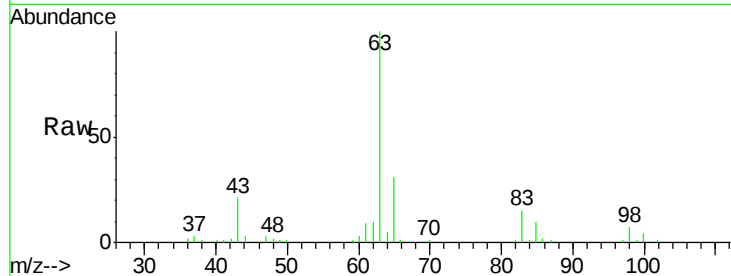
#21
 1,1-Dichloroethane
 Concen: 17.729 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	63	Resp:	110942
Ion Ratio	Lower	Upper	
63	100		
98	7.3	2.9	8.8
100	4.3	1.5	4.5

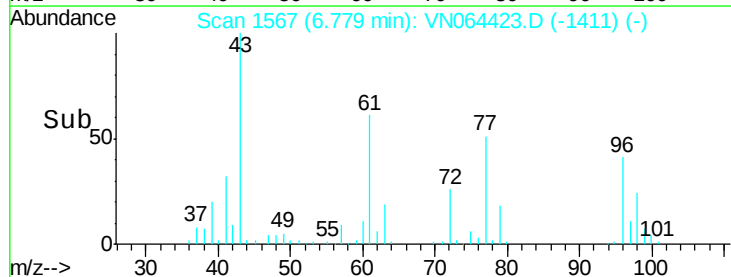
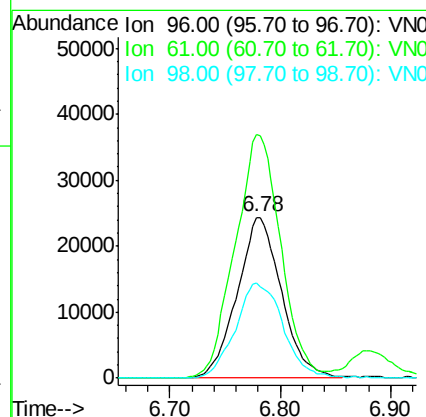
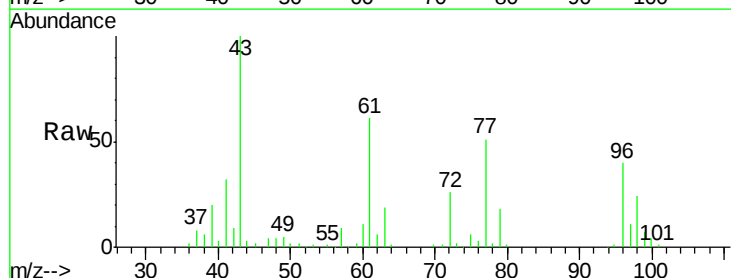
Manual Integrations
 APPROVED

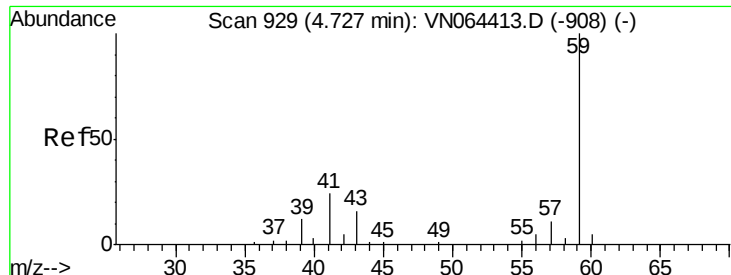
MMDadoda
 11/3/2020 2:21:00 PM



#22
 cis-1,2-Dichloroethene
 Concen: 17.569 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion:	96	Resp:	67734
Ion Ratio	Lower	Upper	
96	100		
61	155.7	122.3	183.5
98	63.4	49.6	74.4





#23

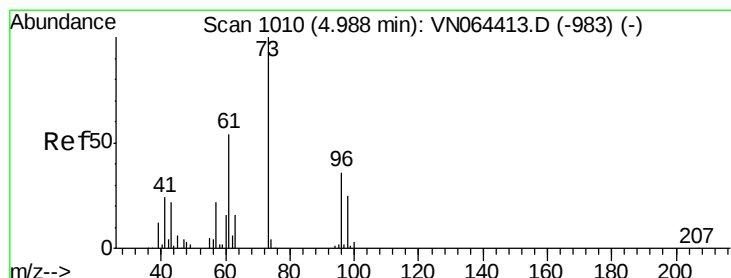
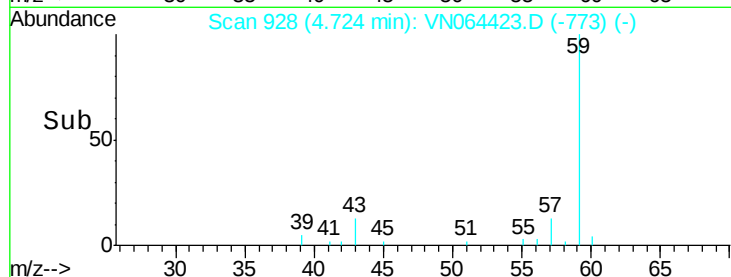
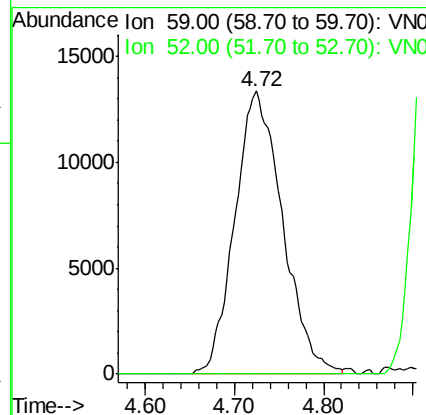
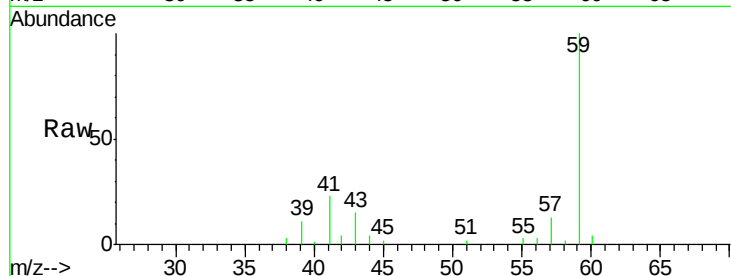
tert-Butyl Alcohol
 Concen: 93.985 ug/l
 RT: 4.72 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	52	Ratio	100	0.0	Resp	49673	Lower	Upper
Ion	59	52	Ratio	100	0.0	Resp	49673	Lower	Upper

Manual Integrations
 APPROVED

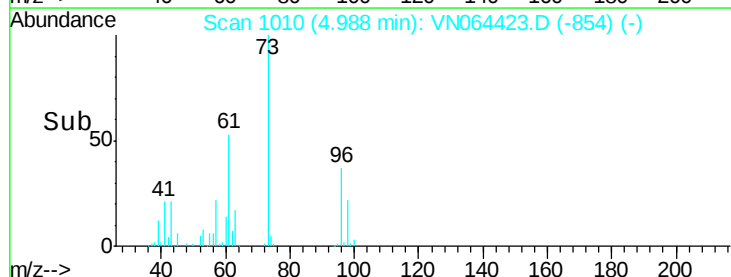
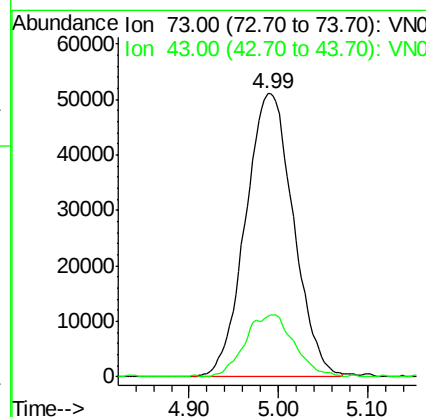
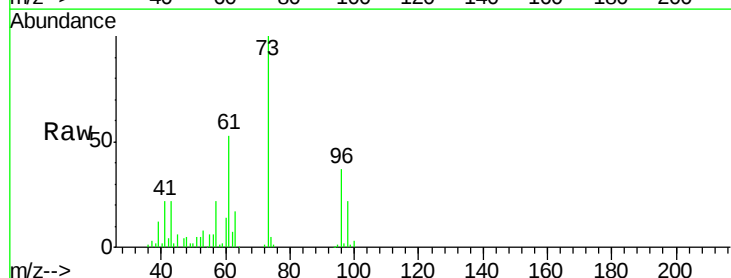
MMDadoda
 11/3/2020 2:21:00 PM

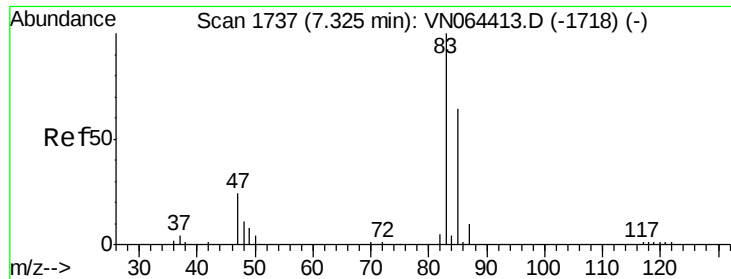


#24

Methyl tert-Butyl Ether
 Concen: 18.024 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	73	43	Ratio	100	7.6	Resp	190669	Lower	Upper
Ion	73	43	Ratio	100	7.6	Resp	190669	Lower	Upper





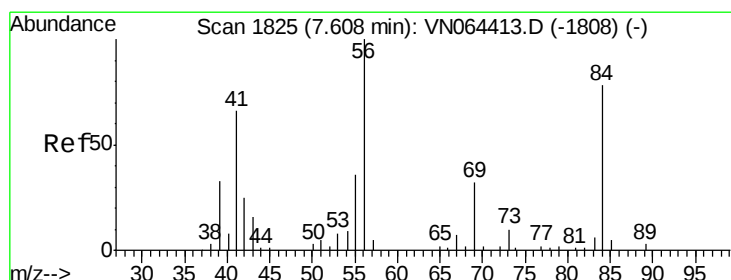
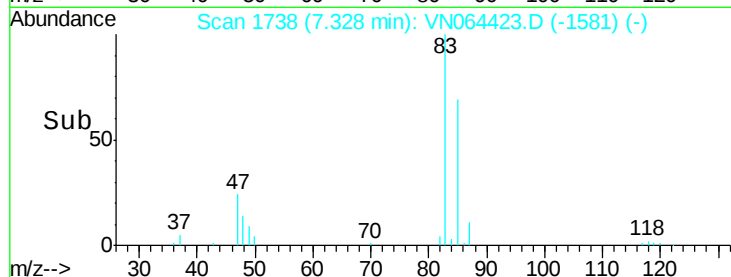
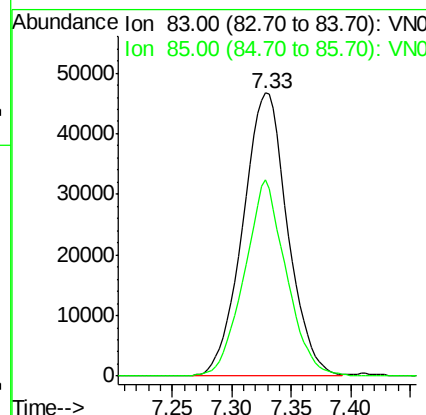
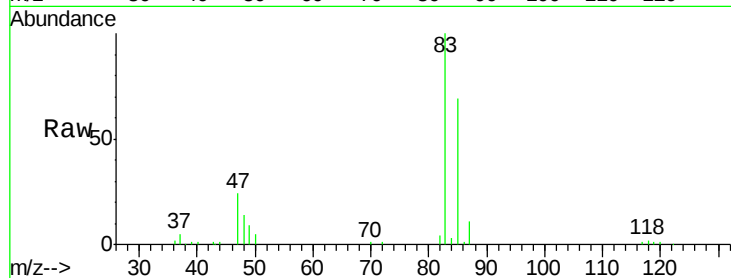
#25
Chloroform
Concen: 18.177 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	121835
Ion Ratio	100	Lower	Upper
83	100		
85	69.4	51.0	76.4

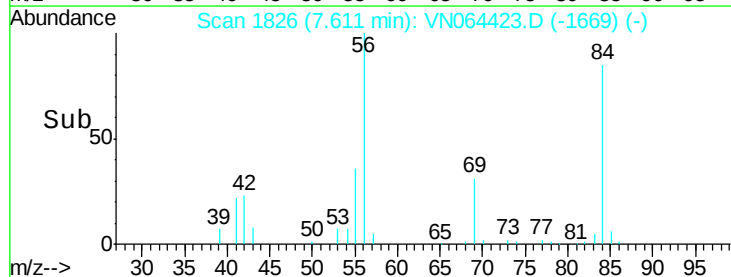
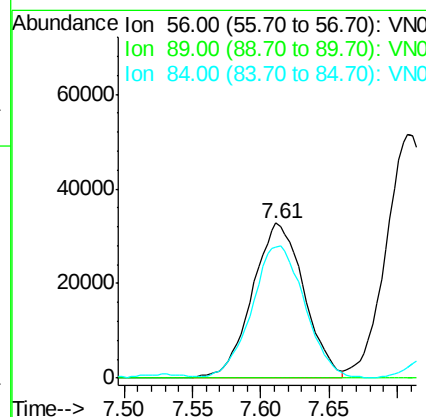
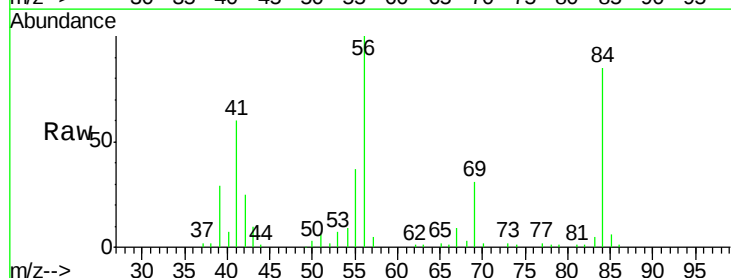
Manual Integrations
APPROVED

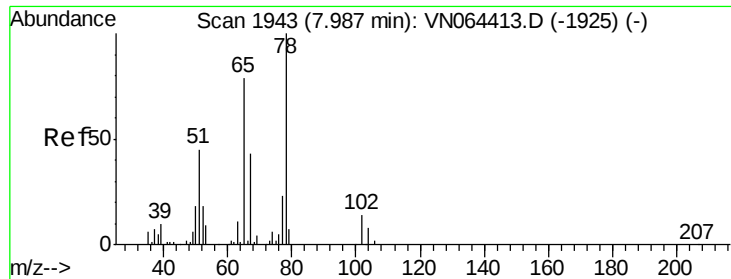
MMDadoda
11/3/2020 2:21:00 PM



#26
Cyclohexane
Concen: 17.409 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	56	Resp	86279
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	2.3	3.5#
84	87.6	69.4	104.0





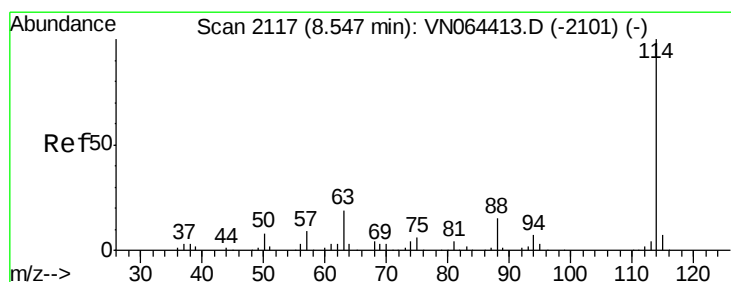
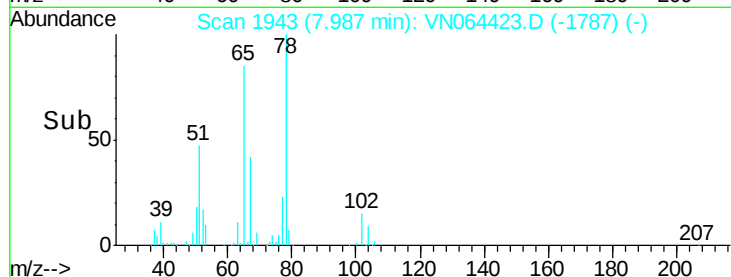
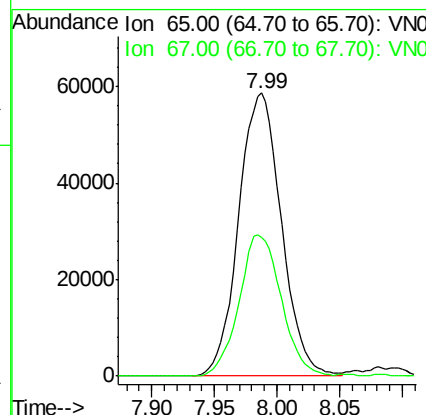
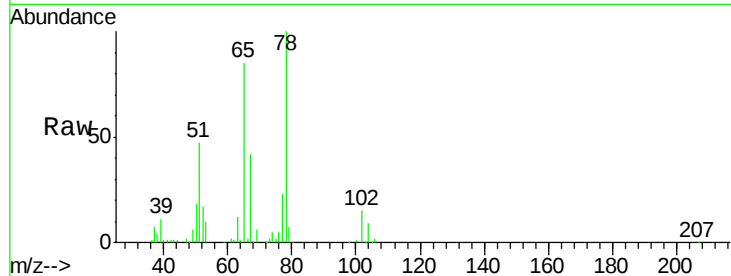
#27
 1,2-Dichloroethane-d4
 Concen: 31.207 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 65 Resp: 139212
 Ion Ratio Lower Upper
 65 100
 67 49.0 40.6 61.0

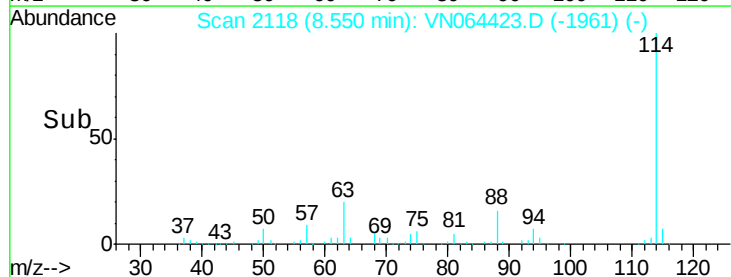
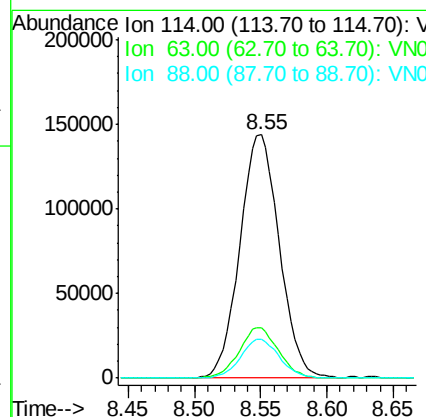
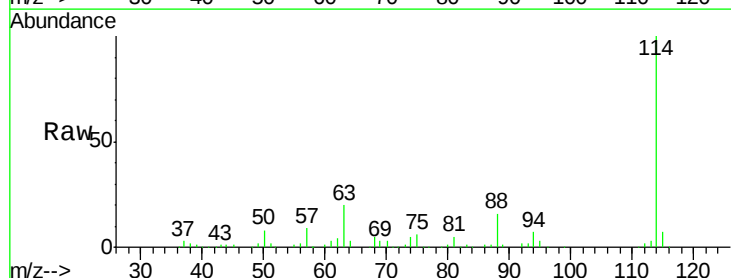
Manual Integrations
 APPROVED

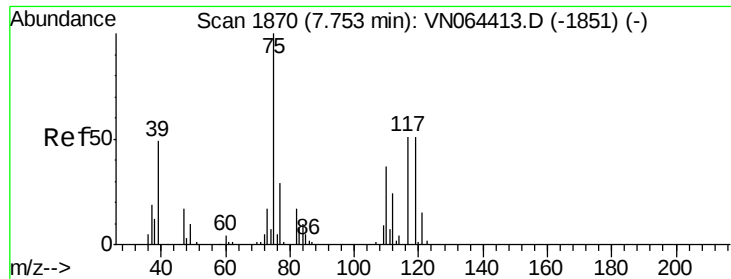
MMDadoda
 11/3/2020 2:21:00 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion: 114 Resp: 298312
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.2 24.4
 88 15.7 12.6 19.0





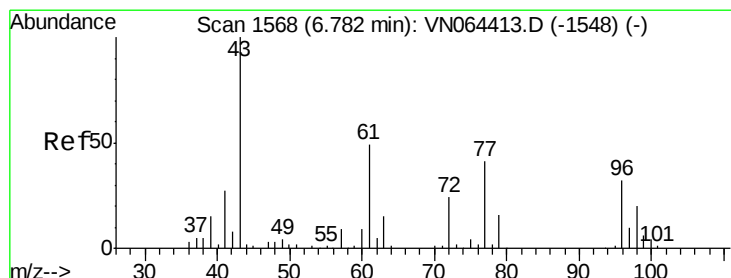
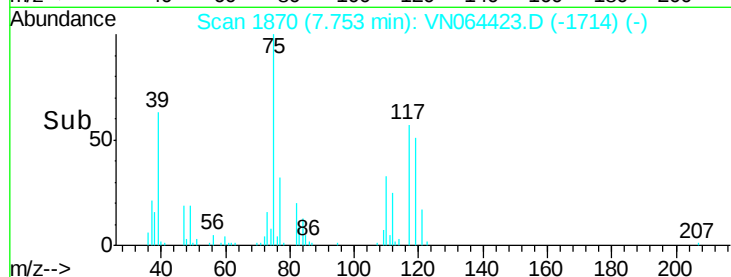
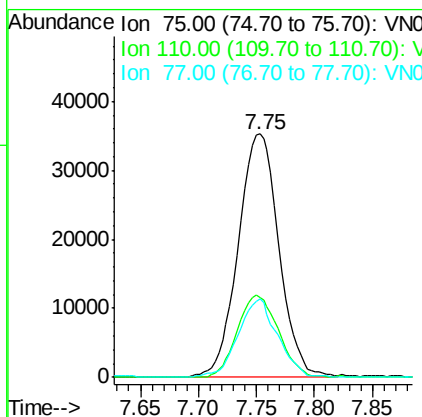
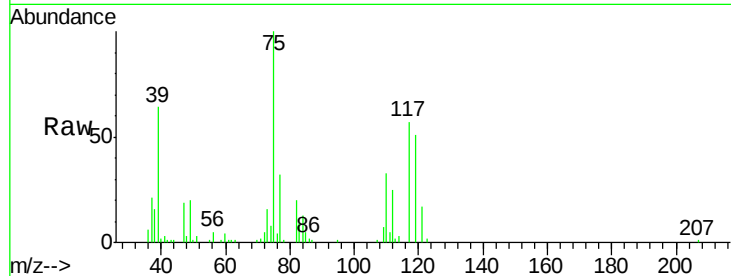
#29
 1,1-Dichloropropene
 Concen: 18.025 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	71.8
77	30.8	0.0	32.4

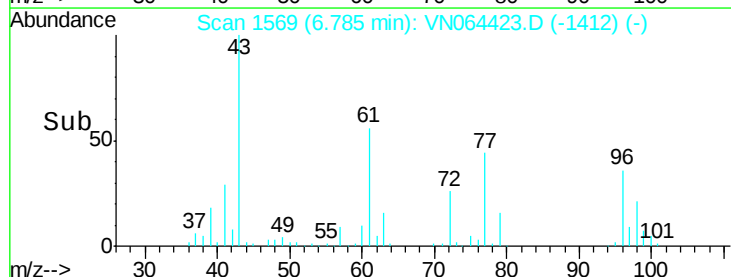
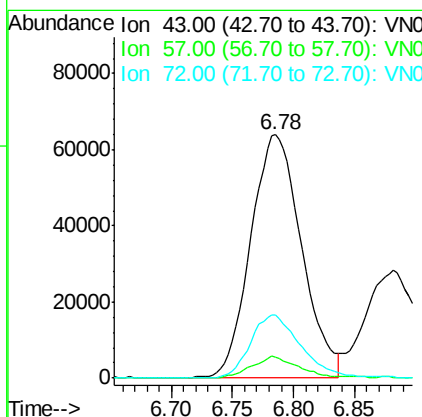
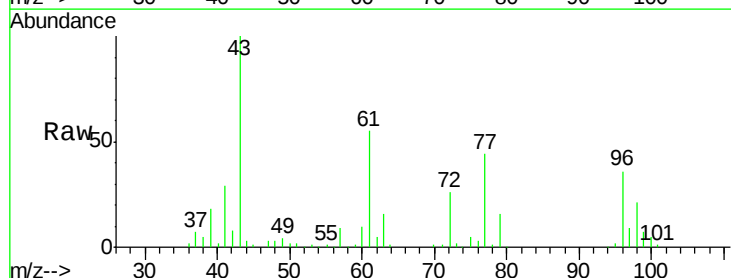
Manual Integrations
 APPROVED

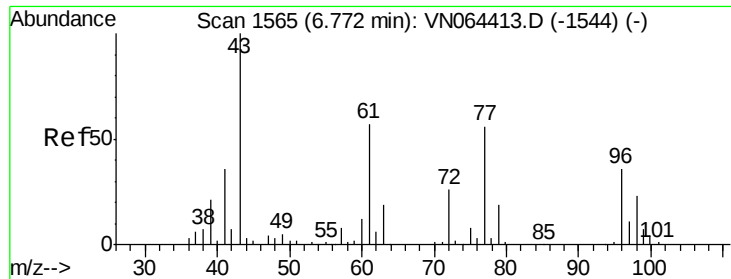
MMDadoda
 11/3/2020 2:21:00 PM



#30
 2-Butanone
 Concen: 85.005 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.6	9.8
72	25.5	20.0	30.0





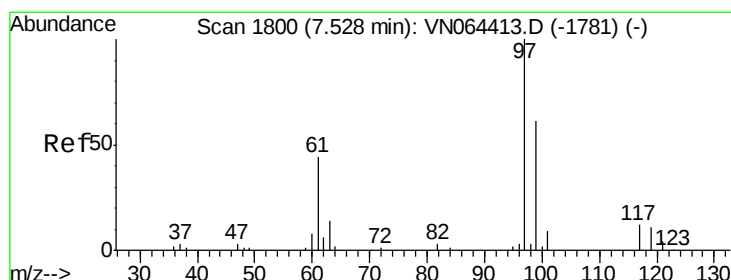
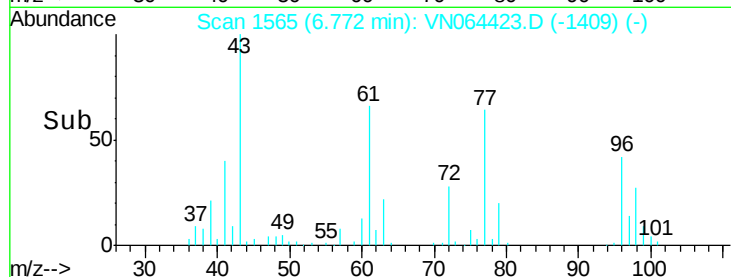
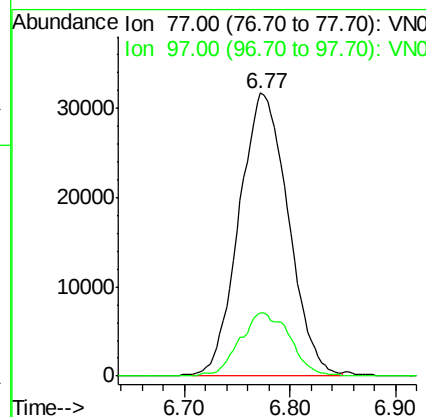
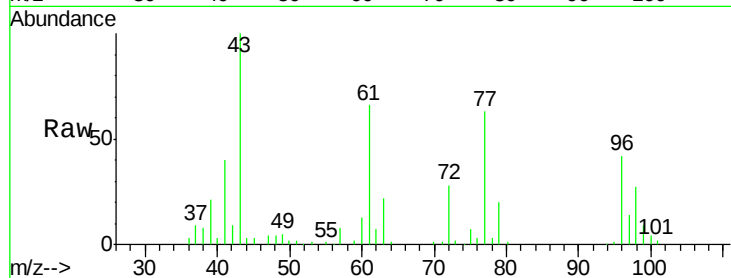
#31
 2,2-Dichloropropane
 Concen: 17.446 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 102785
 Ion Ratio Lower Upper
 77 100
 97 15.1 17.4 26.0#

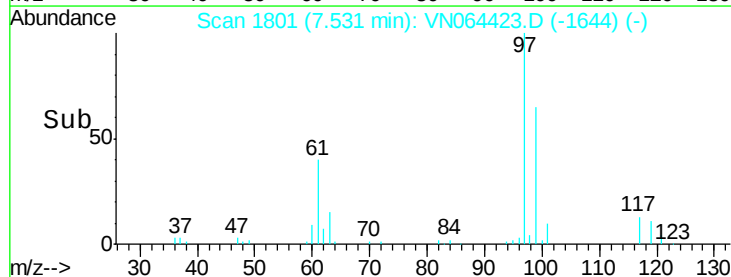
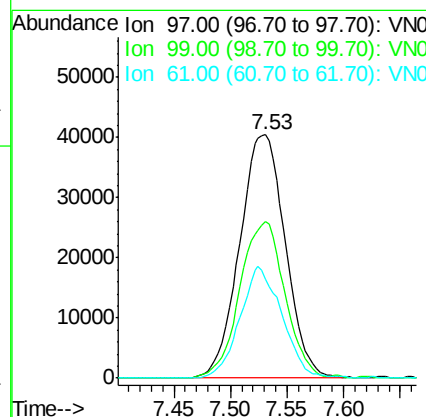
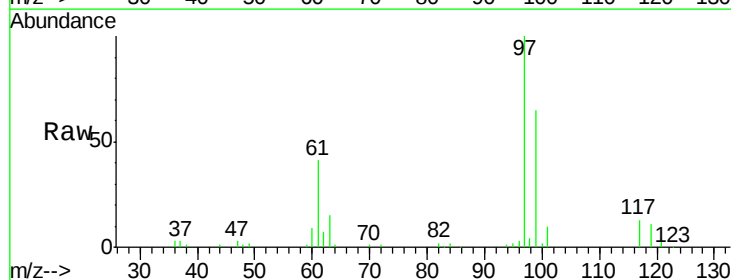
Manual Integrations
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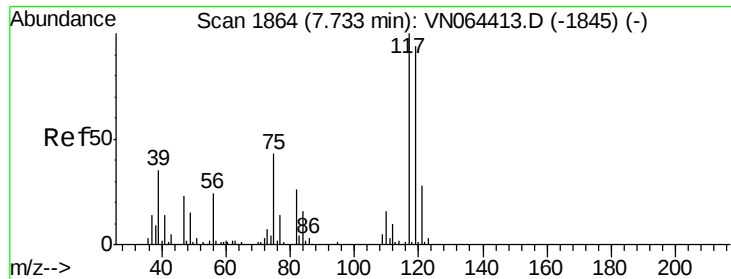
MMDadoda
 11/3/2020 2:21:00 PM



#32
 1,1,1-Trichloroethane
 Concen: 18.044 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion: 97 Resp: 113520
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.8
 61 42.1 34.9 52.3





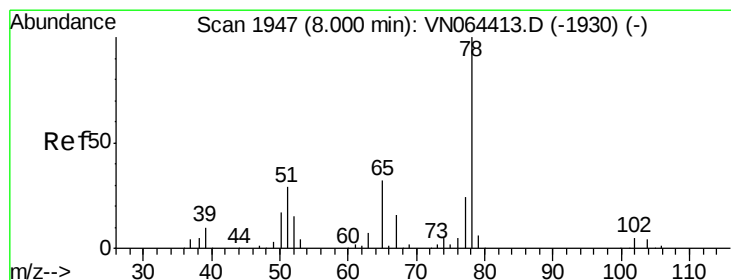
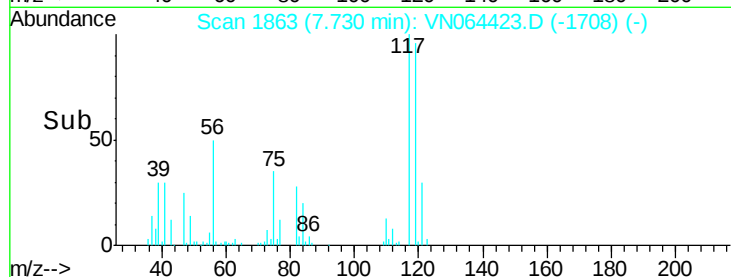
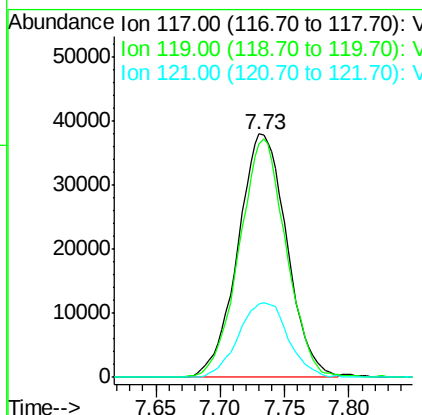
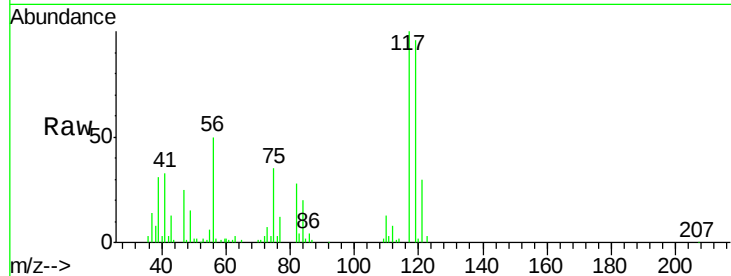
#33
Carbon Tetrachloride
Concen: 17.695 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.4	75.0	112.4
121	30.1	22.1	33.1

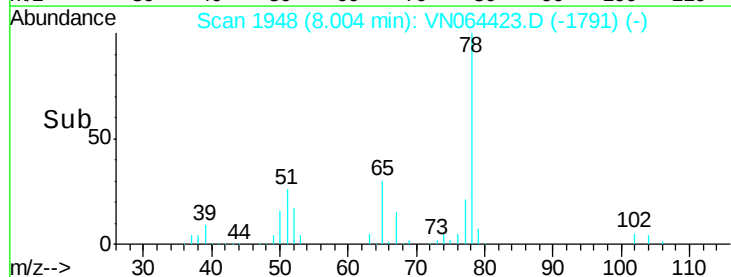
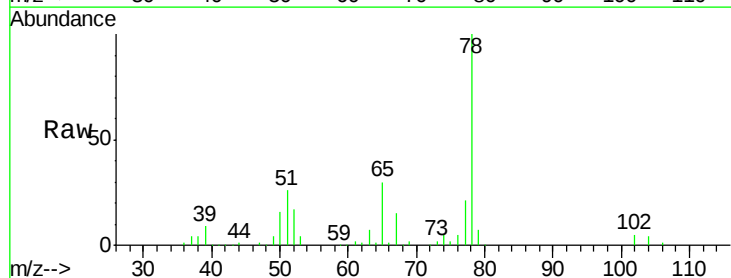
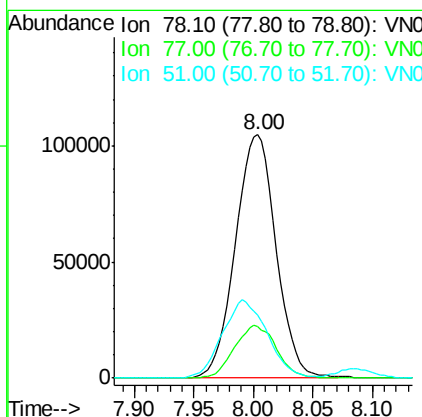
Manual Integrations
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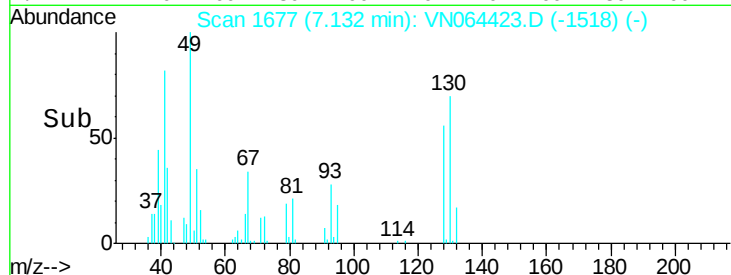
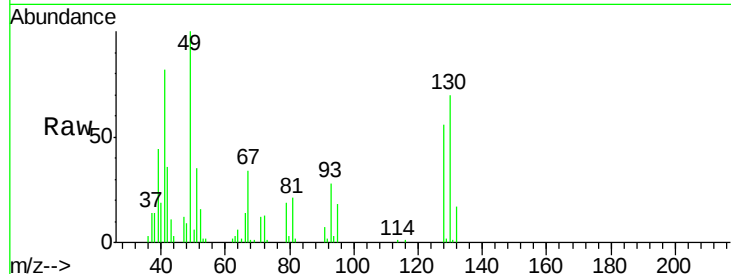
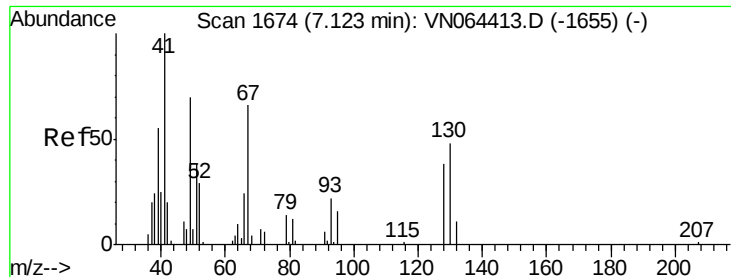
MMDadoda
11/3/2020 2:21:00 PM



#34
Benzene
Concen: 18.264 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.0	28.4
51	25.2	23.1	34.7





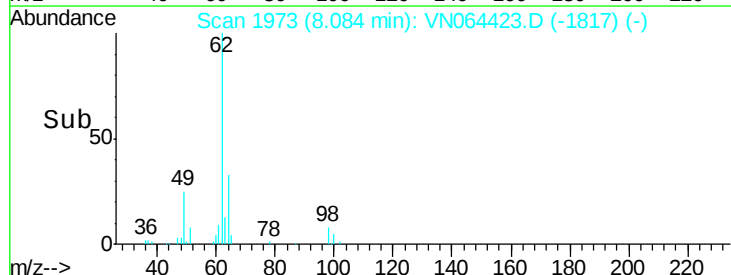
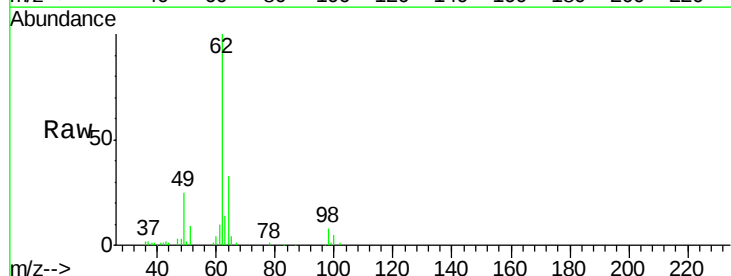
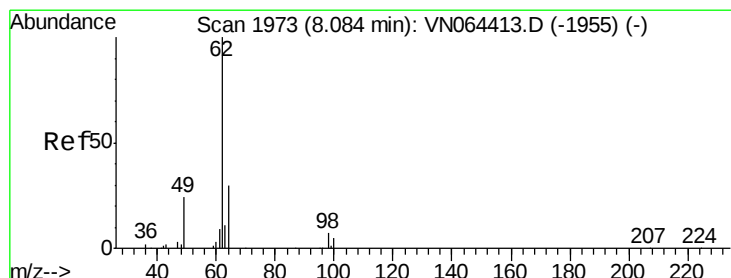
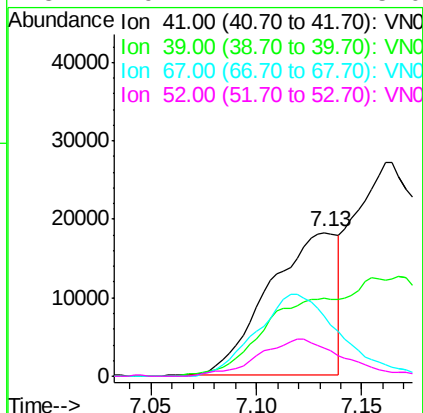
#35
Methacrylonitrile
Concen: 19.057 ug/l
RT: 7.13 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		41050		
39	53.3	27.8	83.3		
67	42.1	32.9	98.6		
52	19.7	14.4	43.0		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

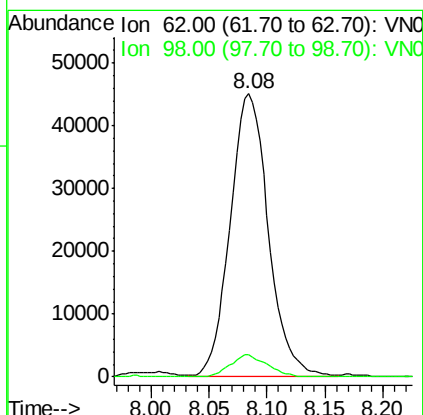
Manual Integrations
APPROVED

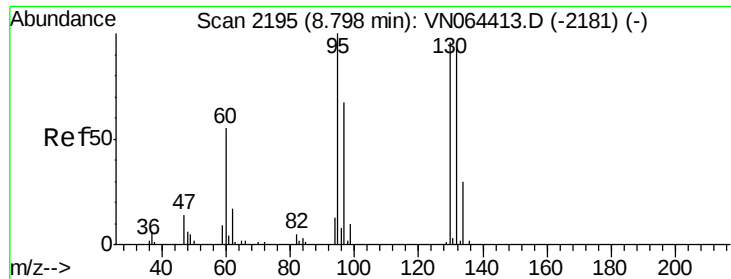
MMDadoda
11/3/2020 2:21:00 PM



#36
1,2-Dichloroethane
Concen: 18.376 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		103339		
98	7.4	6.2	9.2		





#37

Trichloroethene

Concen: 17.902 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 68344

Ion Ratio Lower Upper

130 100

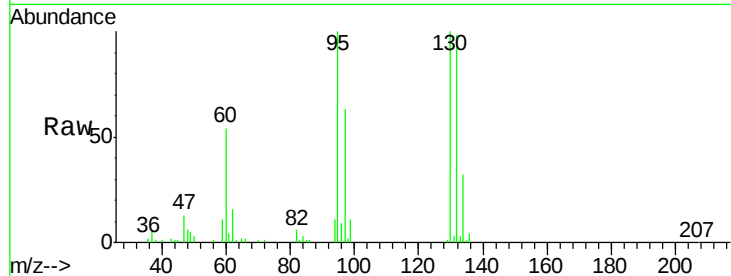
95 100.3 83.6 125.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.80

40000

30000

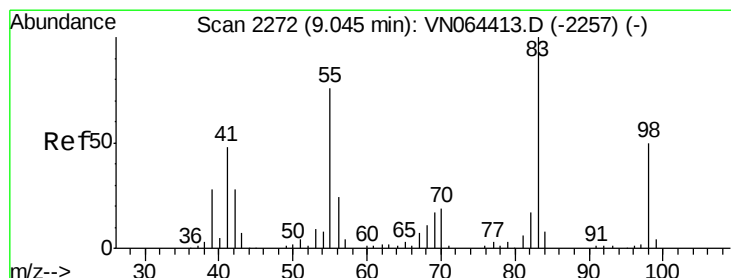
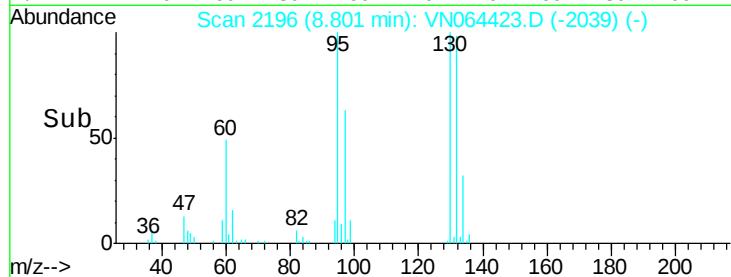
20000

10000

0

8.75 8.80 8.85

Time-->



#38

Methylcyclohexane

Concen: 17.485 ug/l

RT: 9.05 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

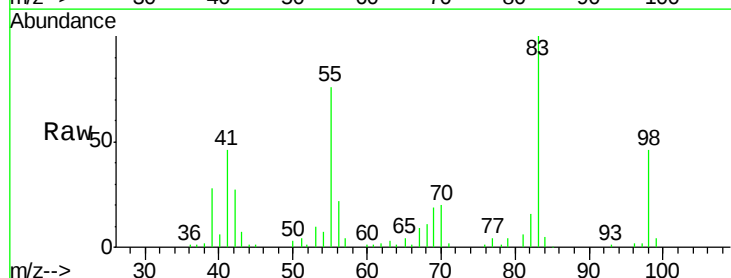
Tgt Ion: 83 Resp: 76114

Ion Ratio Lower Upper

83 100

55 78.1 38.3 114.9

98 45.8 24.6 74.0



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

50000

40000

30000

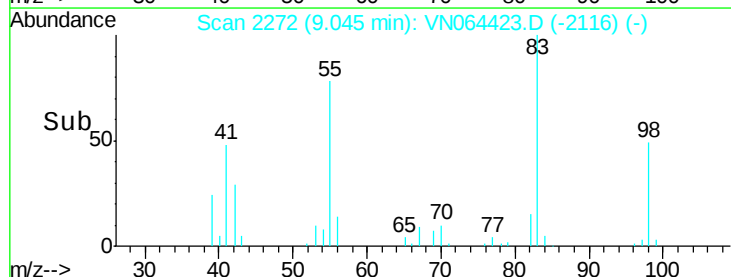
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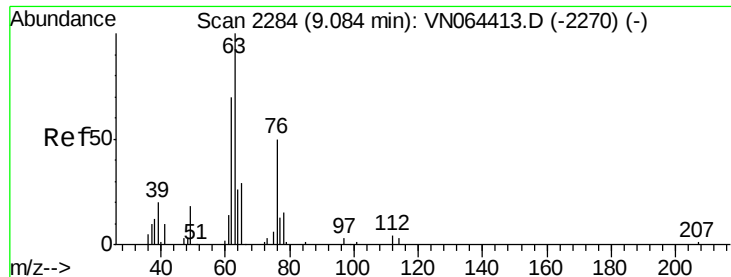
10000

0

8.95 9.00 9.05 9.10

Time-->





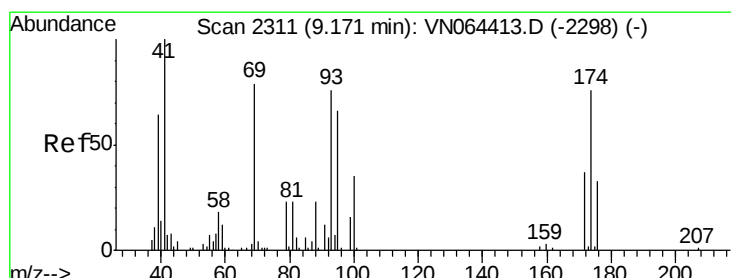
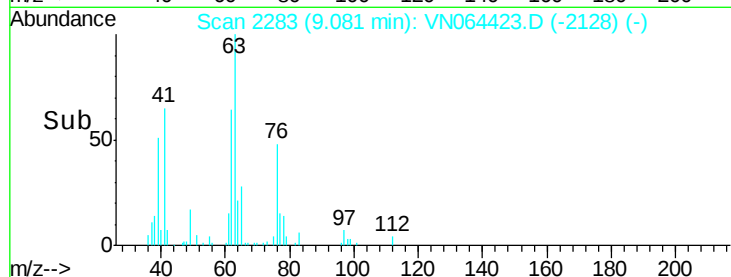
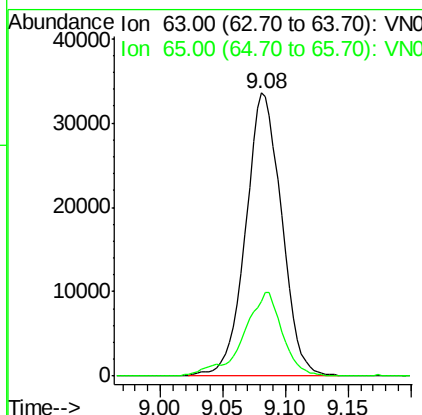
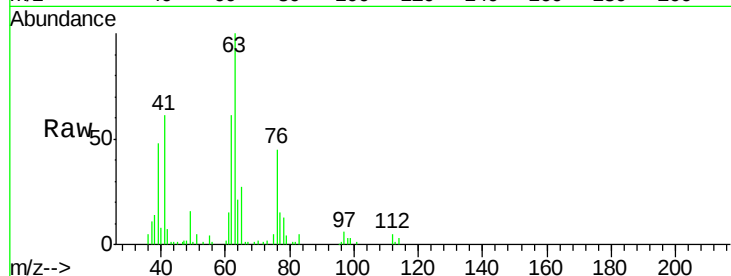
#39
 1,2-Dichloropropane
 Concen: 19.242 ug/l
 RT: 9.08 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 63 Resp: 67132
 Ion Ratio Lower Upper
 63 100
 65 26.5 25.0 37.6

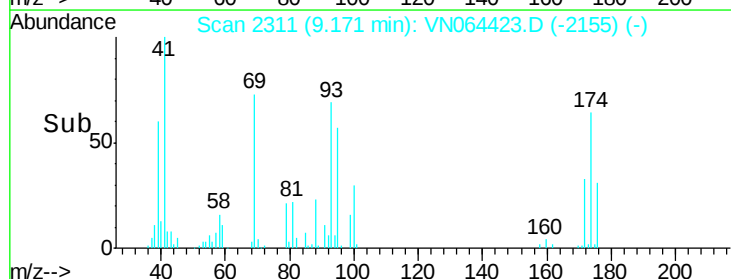
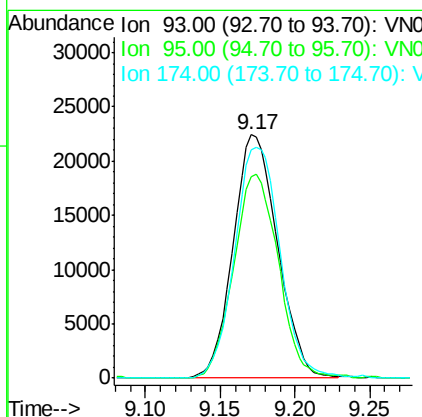
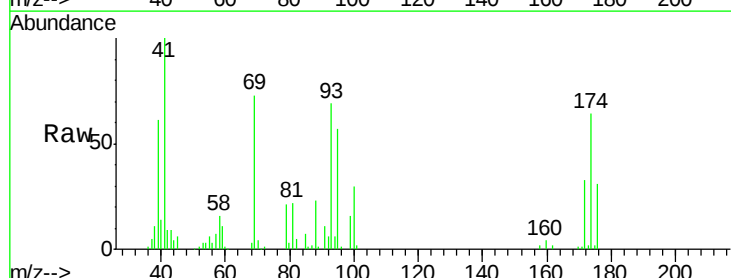
Manual Integrations
 APPROVED

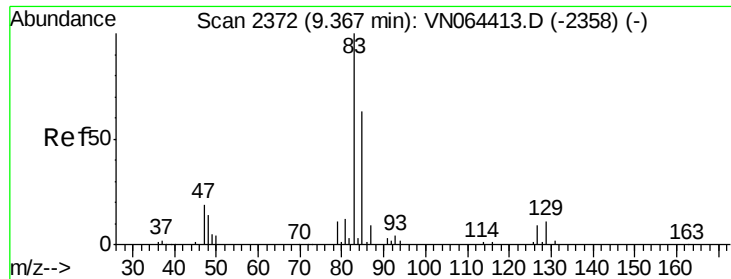
MMDadoda
 11/3/2020 2:21:00 PM



#40
 Dibromomethane
 Concen: 18.360 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion: 93 Resp: 46425
 Ion Ratio Lower Upper
 93 100
 95 84.0 0.0 170.0
 174 96.8 0.0 199.8





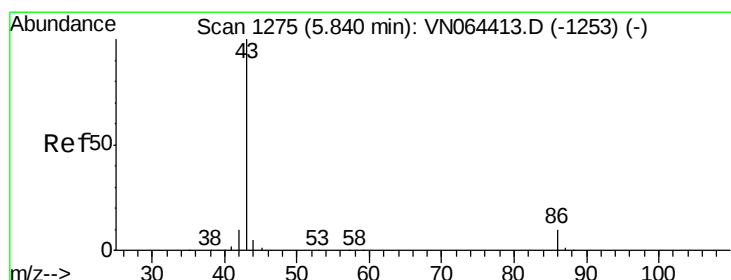
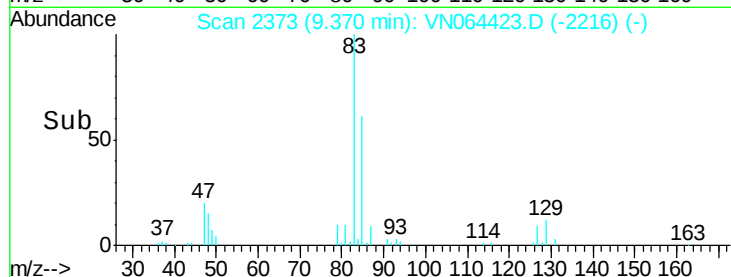
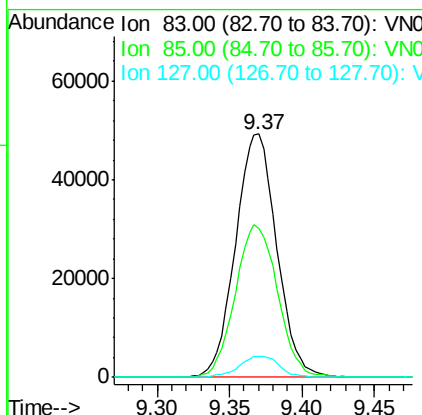
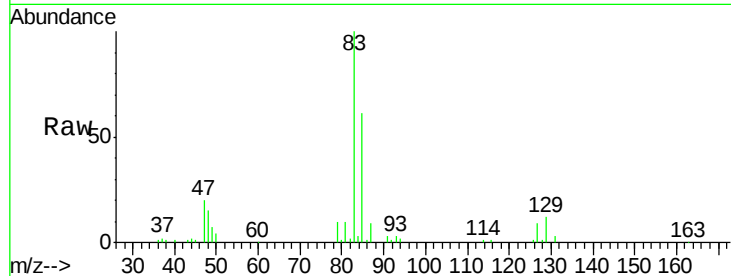
#41
Bromodichloromethane
Concen: 18.248 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	83	Resp	97463
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	50.5	75.7
127	8.7	7.0	10.6

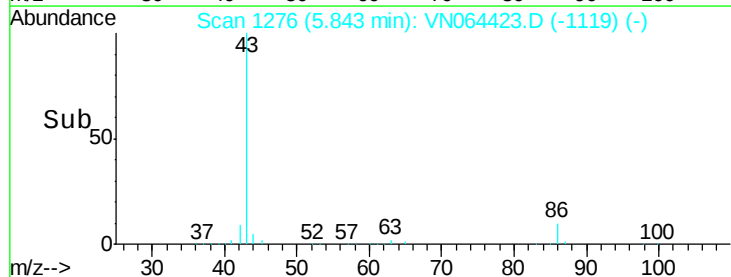
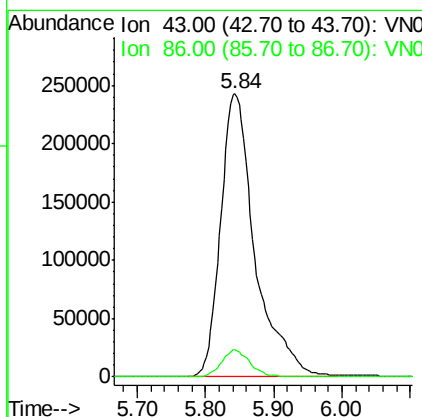
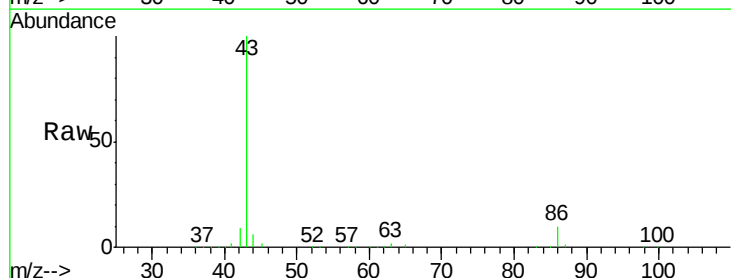
Manual Integrations
APPROVED

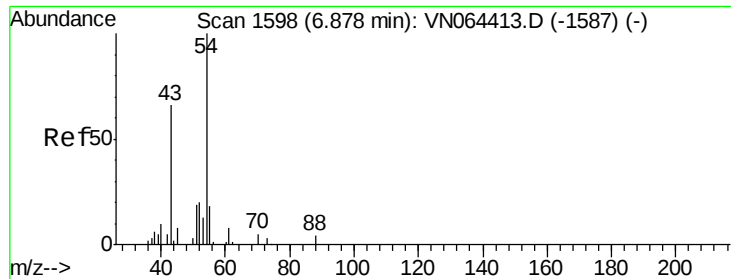
MMDadoda
11/3/2020 2:21:00 PM



#42
Vinyl Acetate
Concen: 92.158 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	43	Resp	850073
Ion Ratio	100	Lower	Upper
43	100		
86	7.9	6.5	9.7





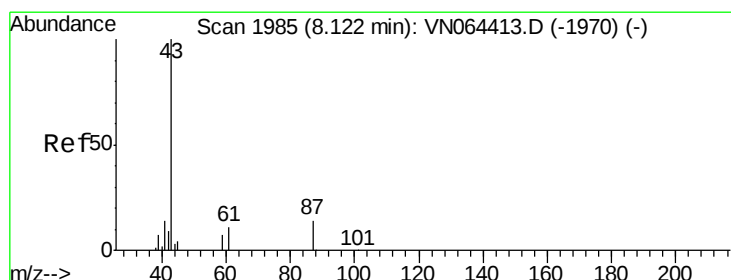
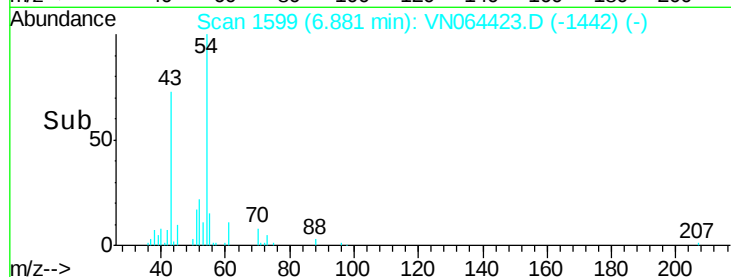
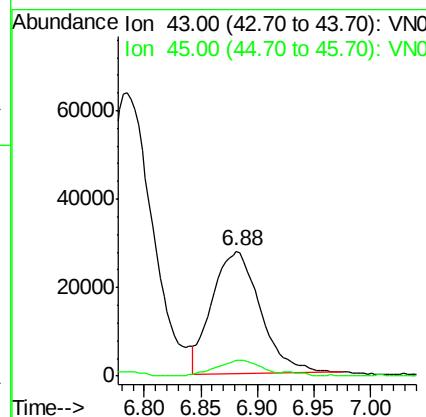
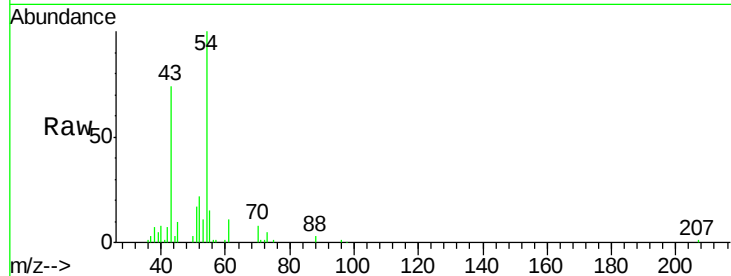
#43
Ethyl Acetate
Concen: 19.402 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 81866
Ion Ratio Lower Upper
43 100
45 11.6 5.2 7.8#

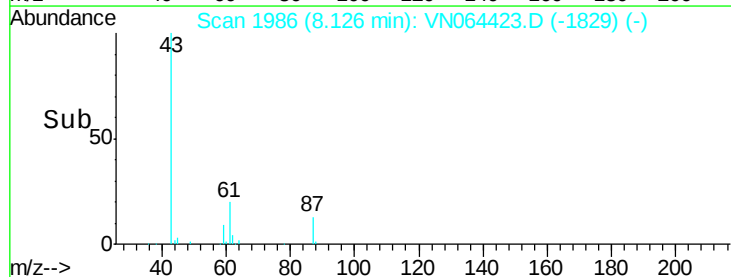
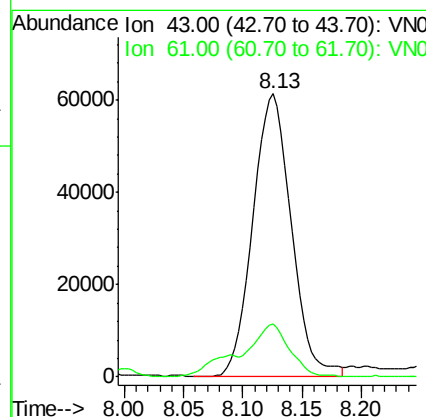
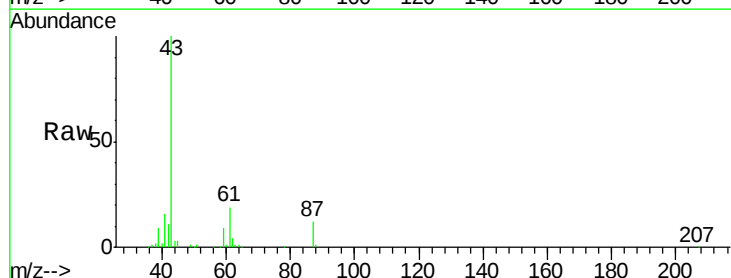
Manual Integrations
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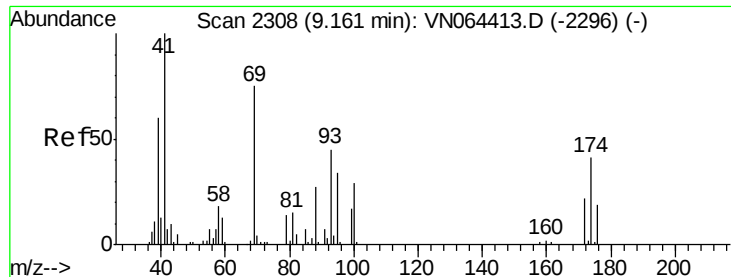
MMDadoda
11/3/2020 2:21:00 PM



#44
Isopropyl Acetate
Concen: 18.441 ug/l m
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion: 43 Resp: 138407
Ion Ratio Lower Upper
43 100
61 0.1 20.4 30.6#





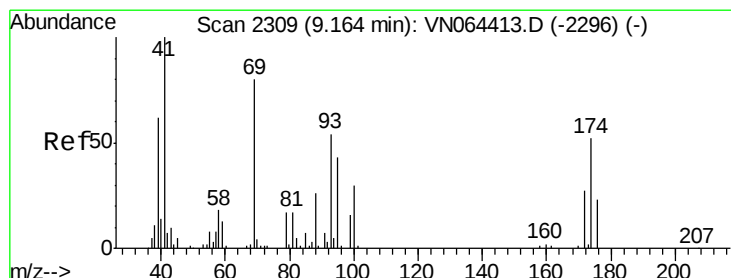
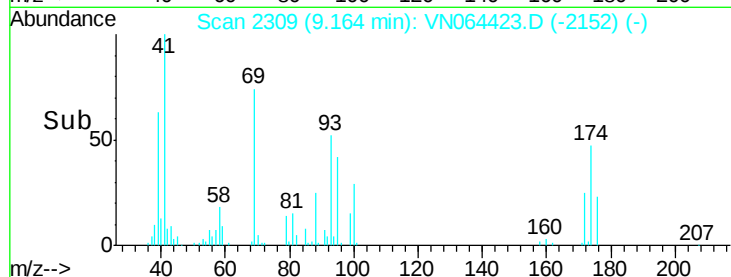
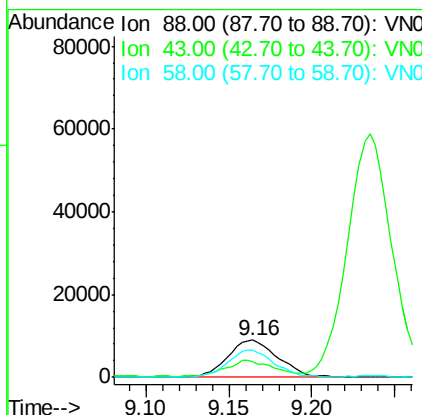
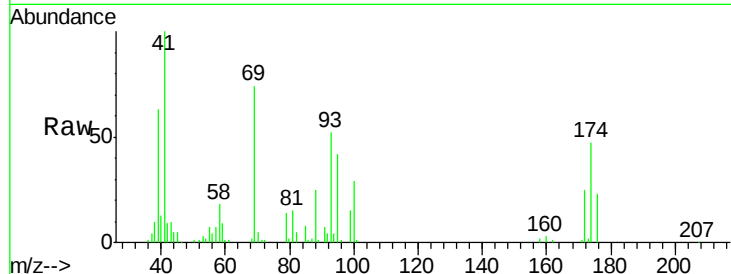
#45
1,4-Dioxane
Concen: 361.458 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.0	32.0	48.0
58	67.3	59.1	88.7

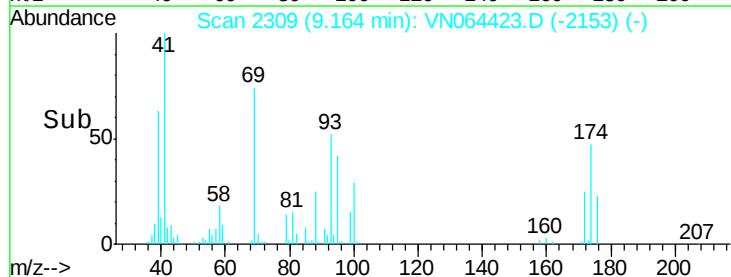
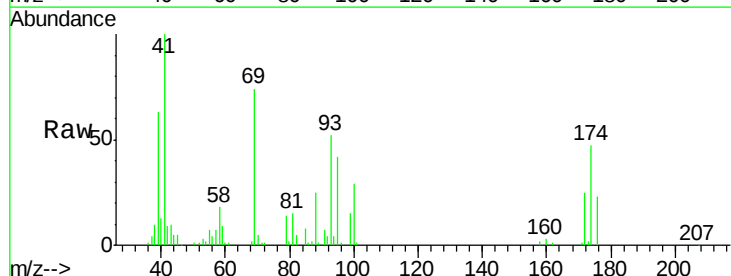
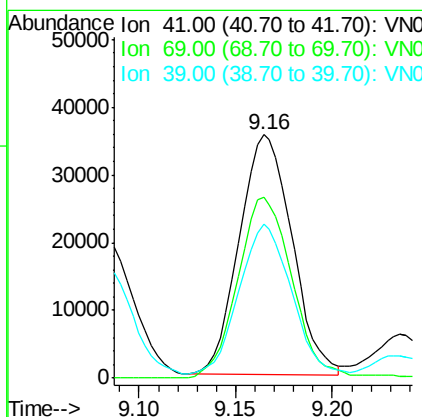
Manual Integrations
APPROVED

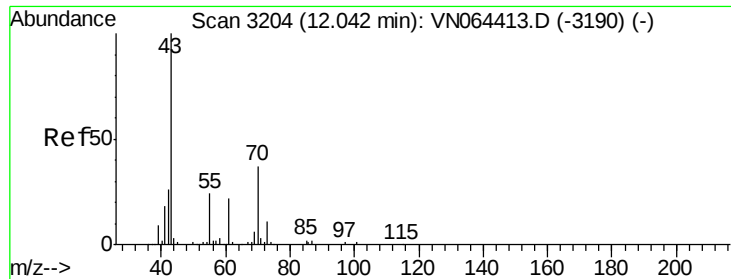
MMDadoda
11/3/2020 2:21:00 PM



#46
Methyl methacrylate
Concen: 18.156 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.6	39.8	119.4
39	62.6	30.5	91.5





#47

n-amvl Acetate

Concen: 17.409 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 111130

Ion Ratio Lower Upper

43 100

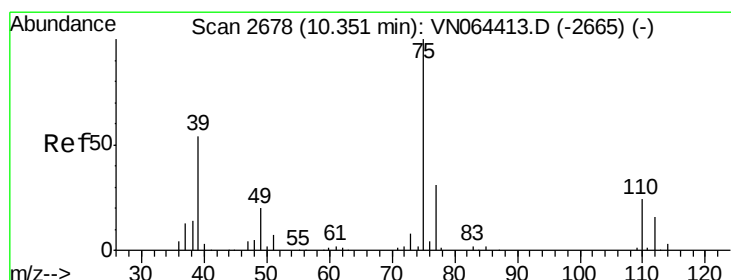
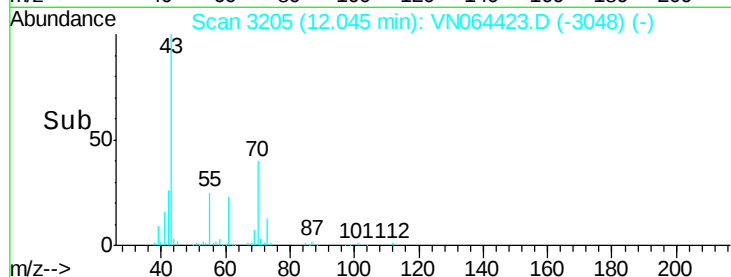
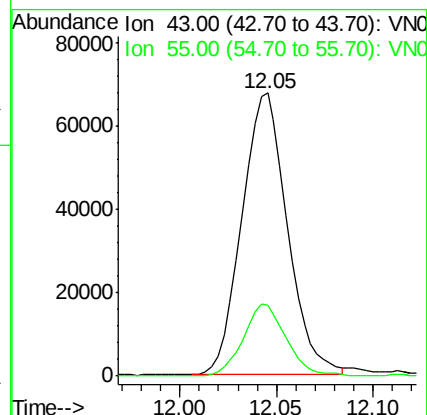
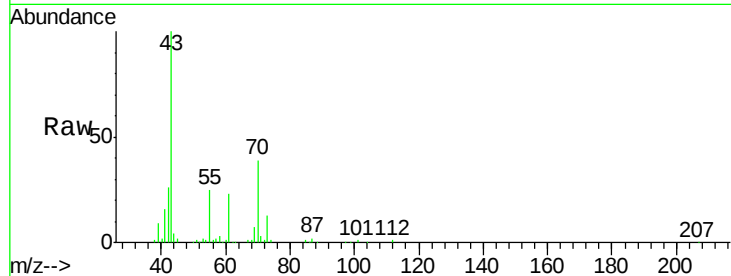
55 24.1 18.1 27.1

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.532 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064423.D

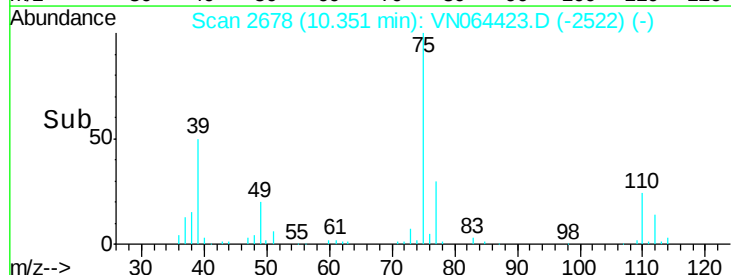
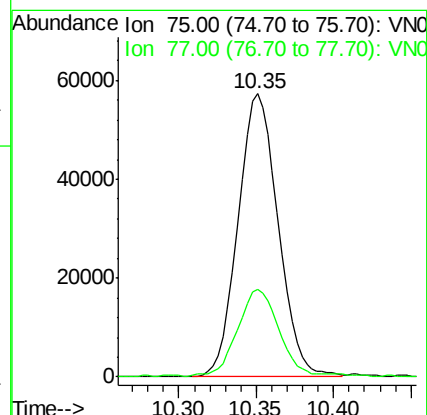
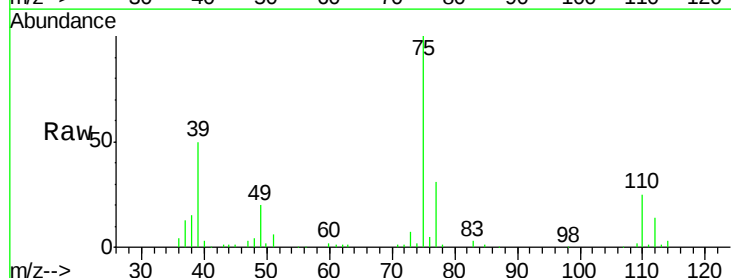
Acq: 2 Nov 2020 18:48

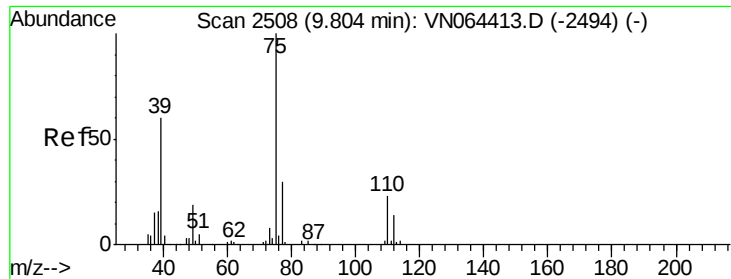
Tgt Ion: 75 Resp: 103341

Ion Ratio Lower Upper

75 100

77 30.1 24.9 37.3





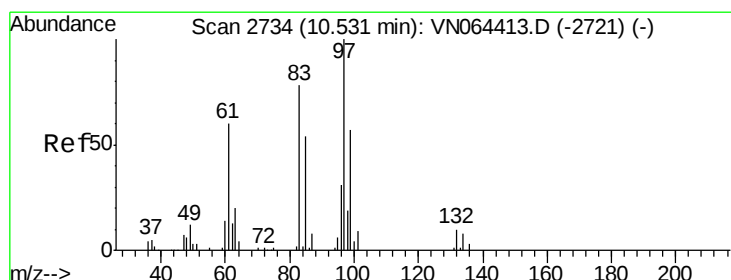
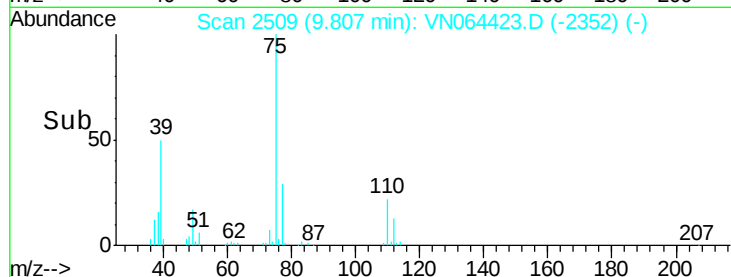
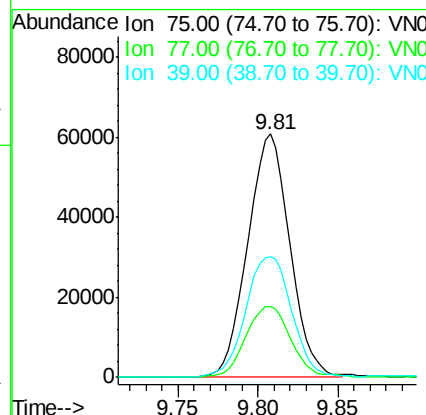
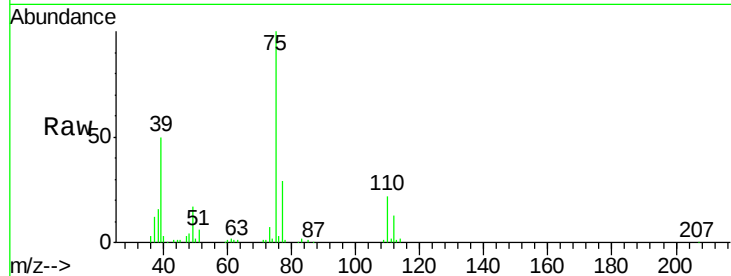
#49
 cis-1,3-Dichloropropene
 Concen: 17.970 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.3	24.3	36.5
39	49.3	48.0	72.0

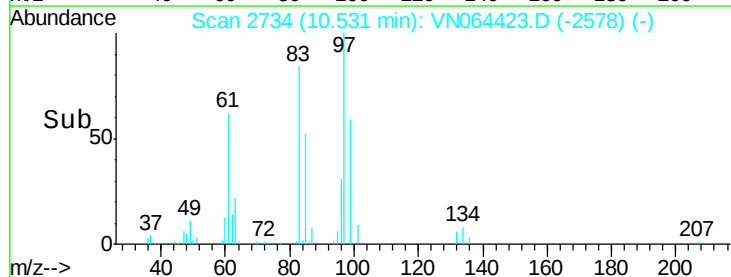
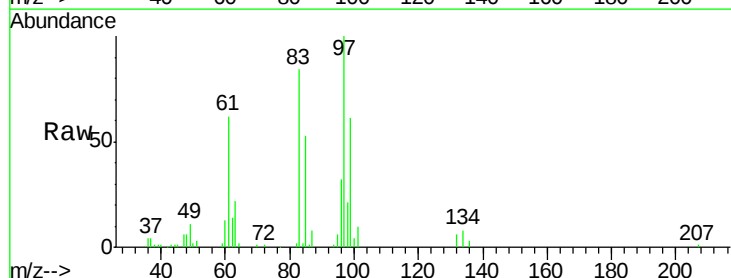
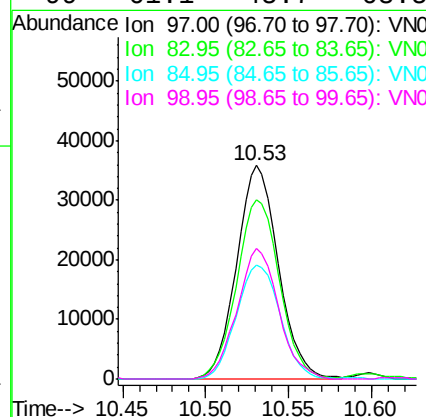
Manual Integrations
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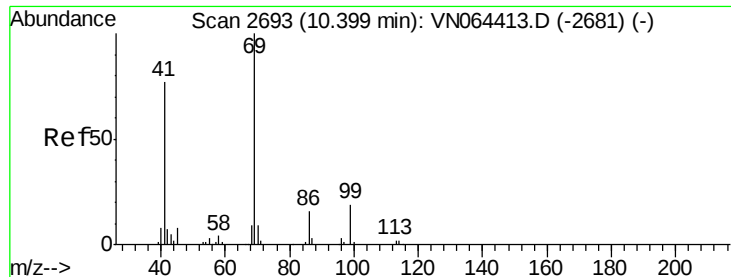
MMDadoda
 11/3/2020 2:21:00 PM



#50
 1,1,2-Trichloroethane
 Concen: 18.420 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.2	62.4	93.6
85	53.2	42.9	64.3
99	61.1	45.7	68.5





#51

Ethyl methacrylate

Concen: 17.299 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

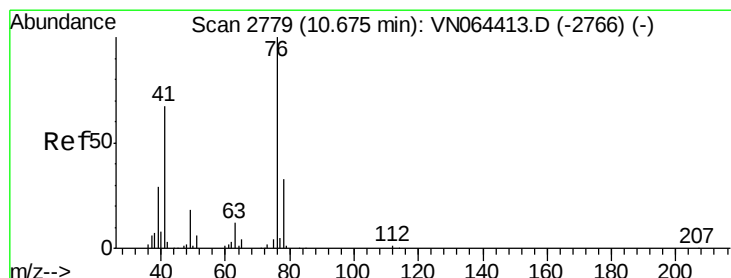
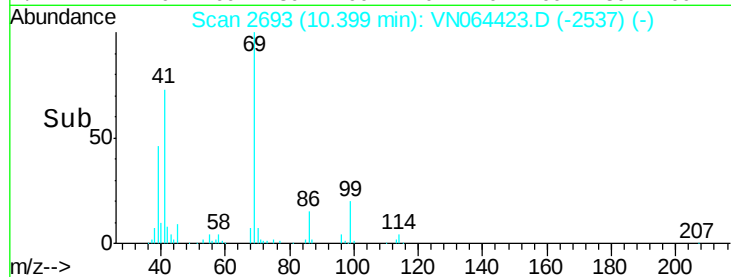
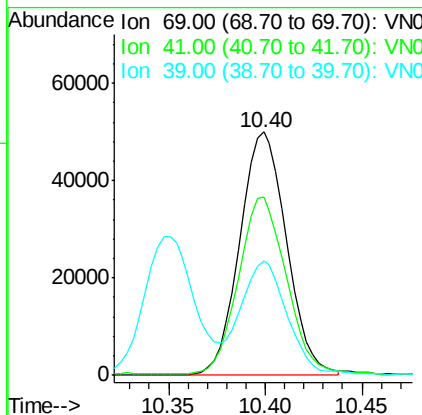
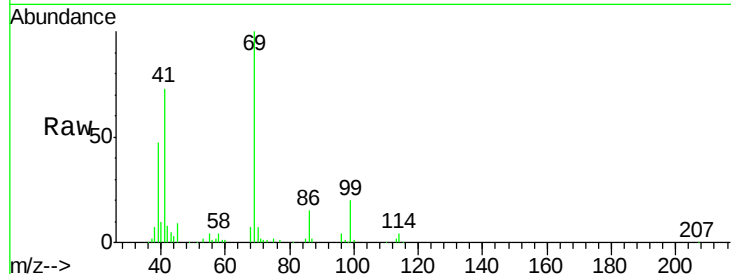
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	84367
Ion	Ratio	Lower	Upper
69	100		
41	72.3	38.4	115.2
39	45.4	22.7	68.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 17.937 ug/l

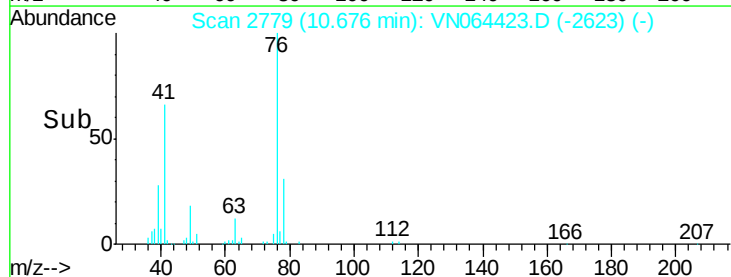
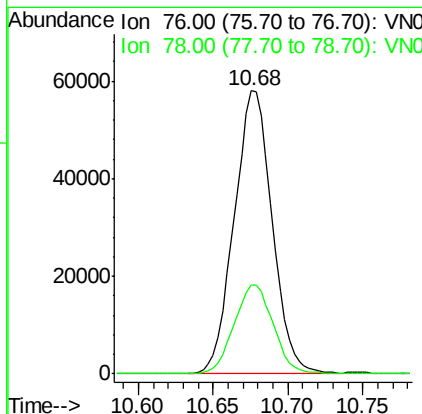
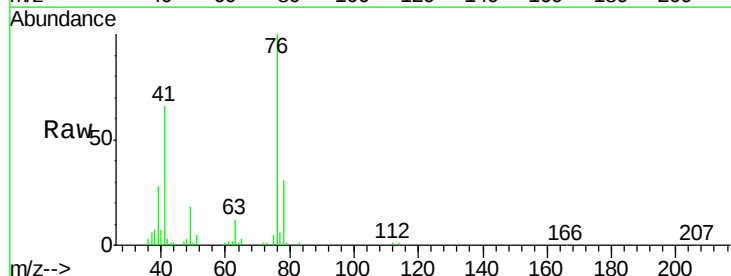
RT: 10.68 min Scan# 2779

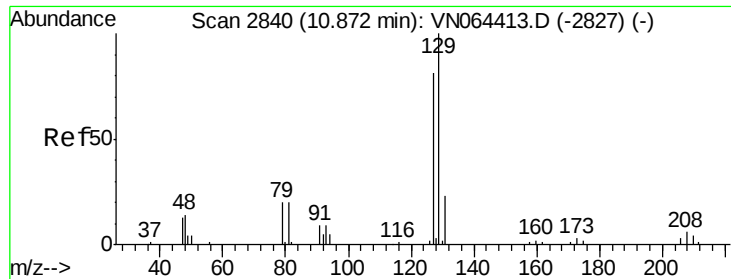
Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion:	76	Resp:	102697
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.2





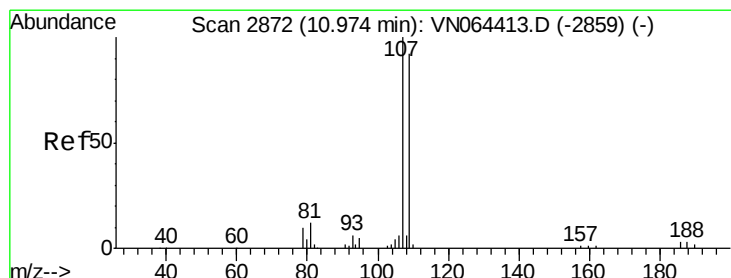
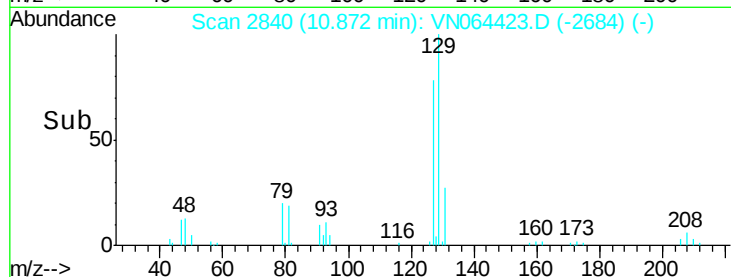
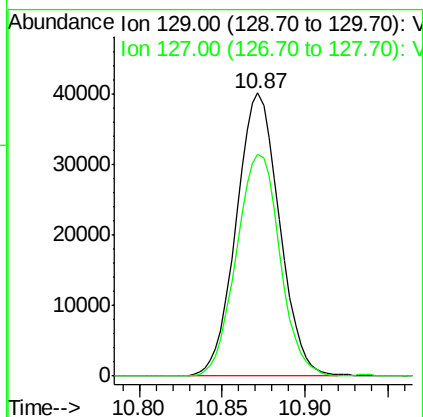
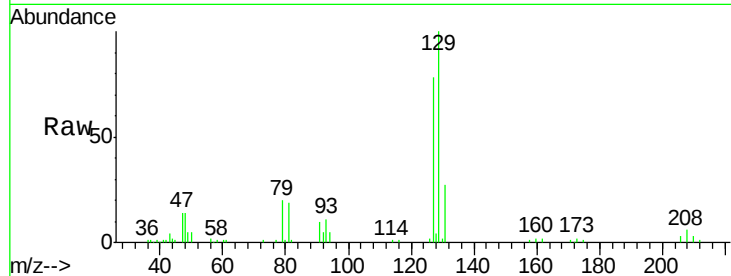
#53
 Dibromochloromethane
 Concen: 17.466 ug/l
 RT: 10.87 min Scan# 2840
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:129 Resp: 72839
 Ion Ratio Lower Upper
 129 100
 127 78.9 38.6 115.7

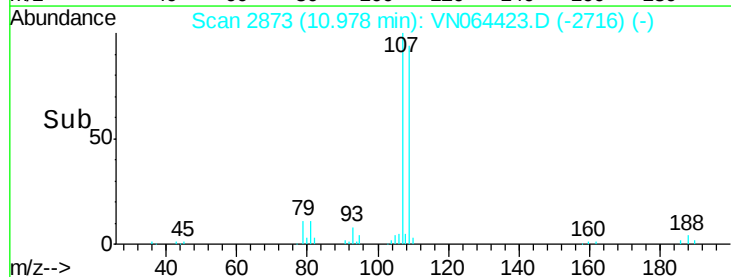
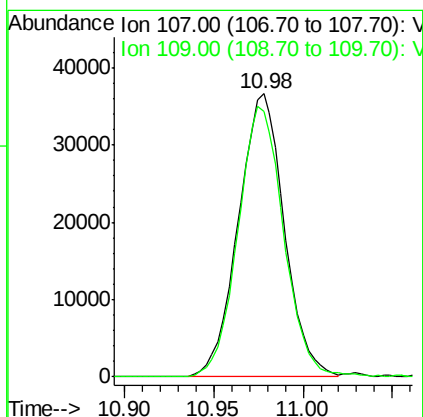
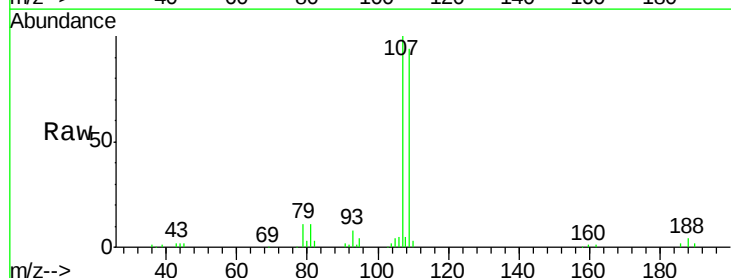
Manual Integrations
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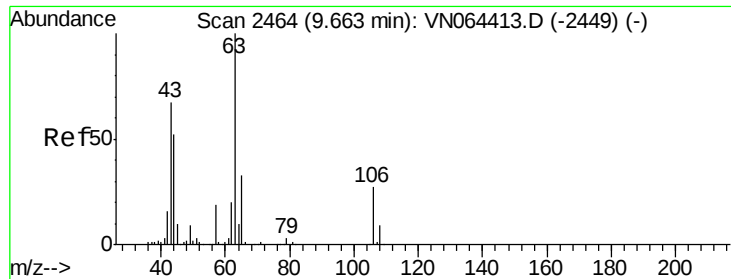
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#54
 1,2-Dibromoethane
 Concen: 18.085 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion:107 Resp: 65723
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 85.726 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

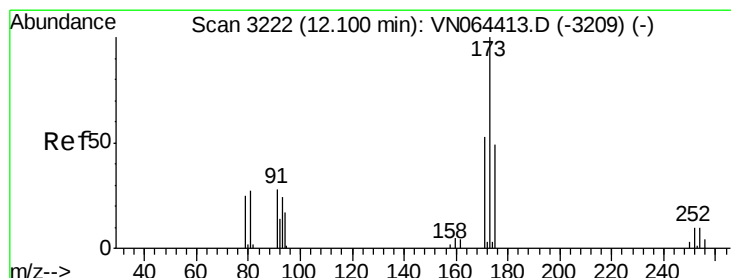
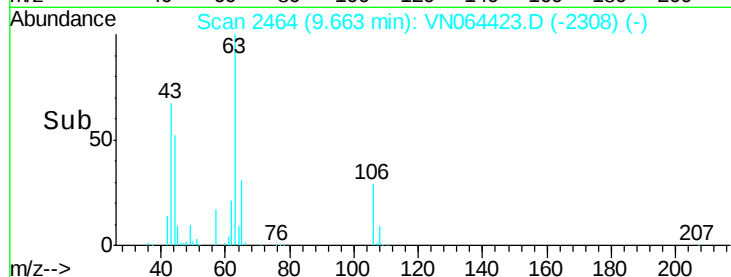
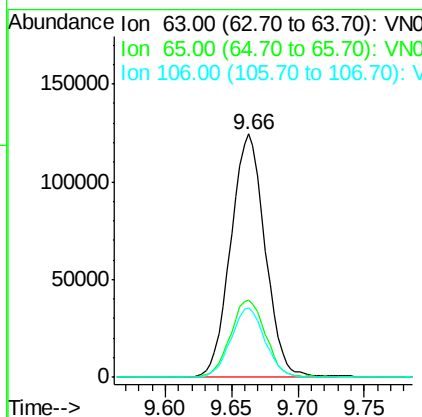
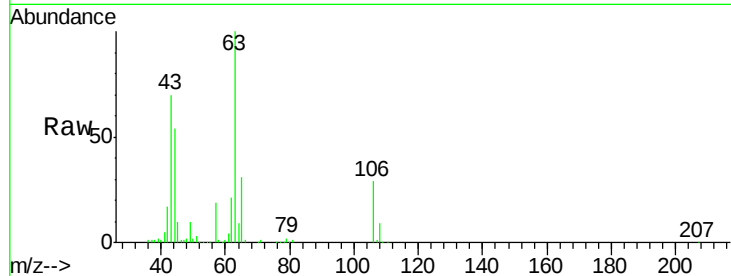
ClientSampleId :

VSTDCCC020EC

Tot Ion:	63	Resp:	224709
Ion	Ratio	Lower	Upper
63	100		
65	32.2	26.2	39.4
106	28.1	21.8	32.6

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#56

Bromoform

Concen: 17.254 ug/l

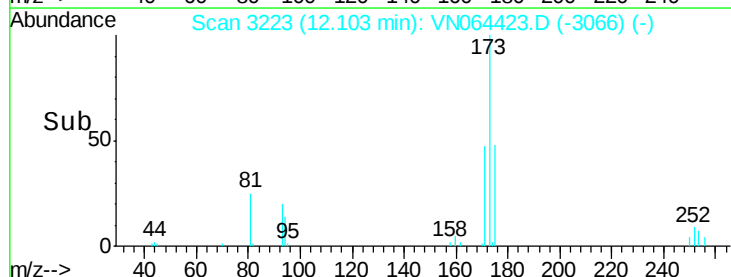
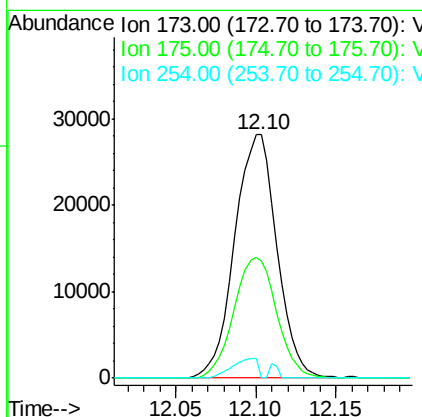
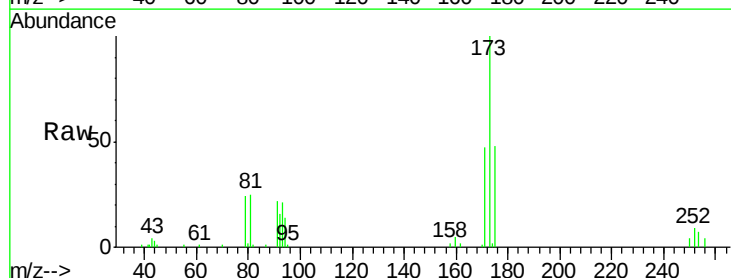
RT: 12.10 min Scan# 3223

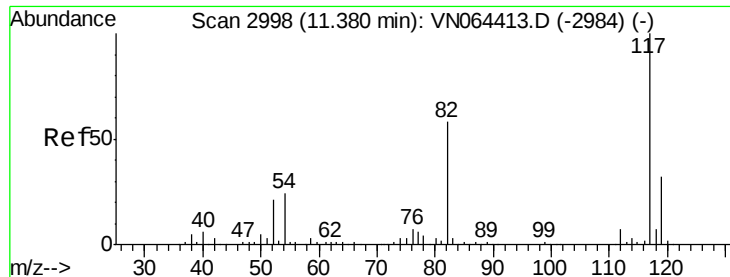
Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion:	173	Resp:	50751
Ion	Ratio	Lower	Upper
173	100		
175	50.1	39.0	58.4
254	4.9	7.0	10.6#





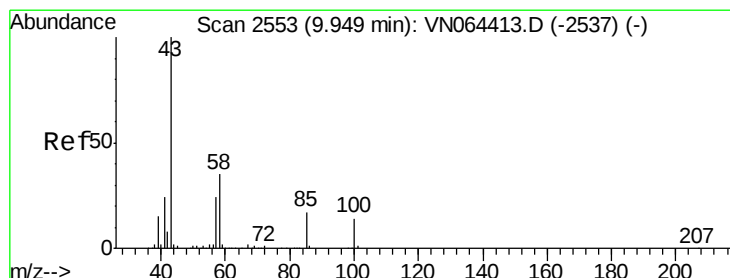
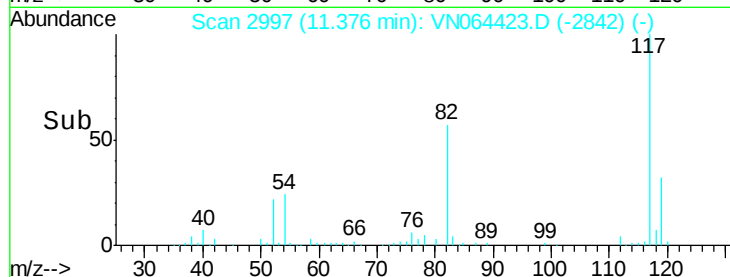
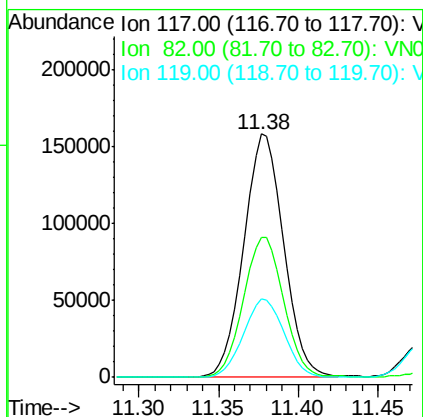
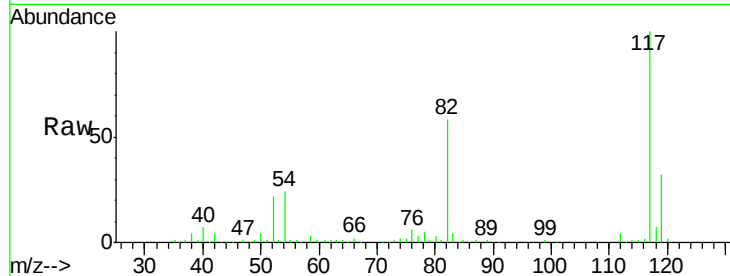
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	46.1	69.1
119	32.8	26.2	39.2

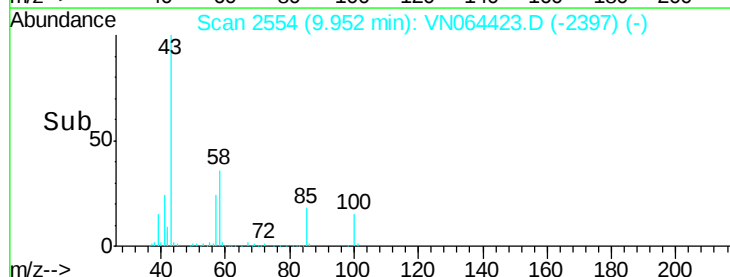
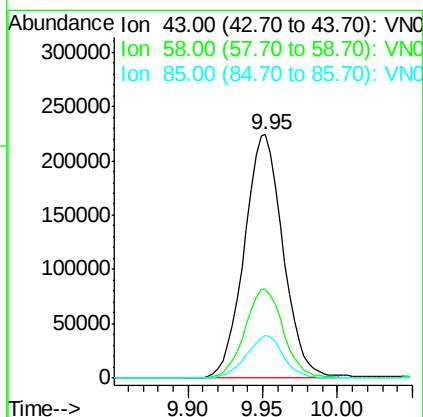
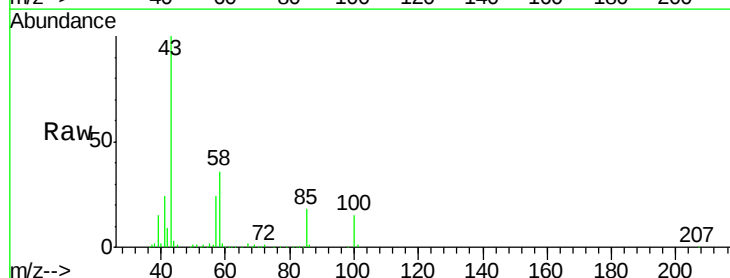
Manual Integrations
APPROVED

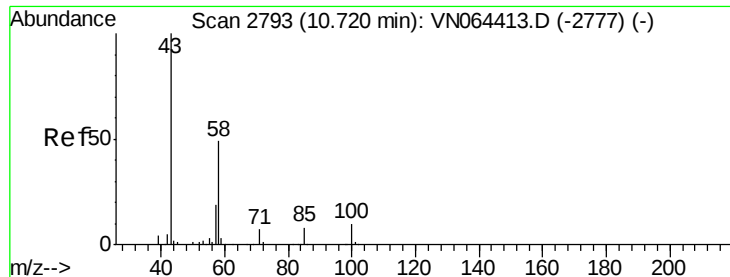
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 93.981 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.5	28.6	43.0
85	16.9	13.5	20.3





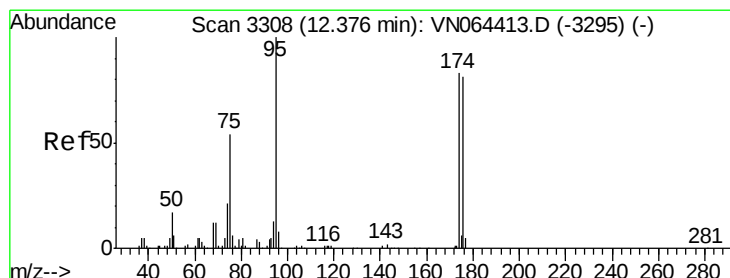
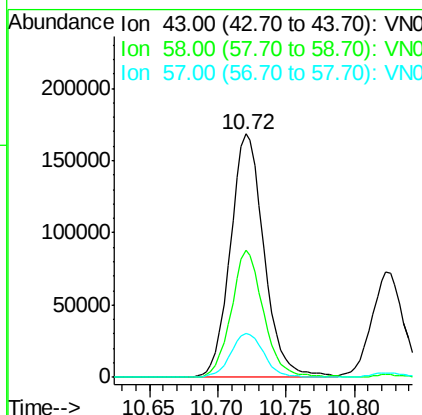
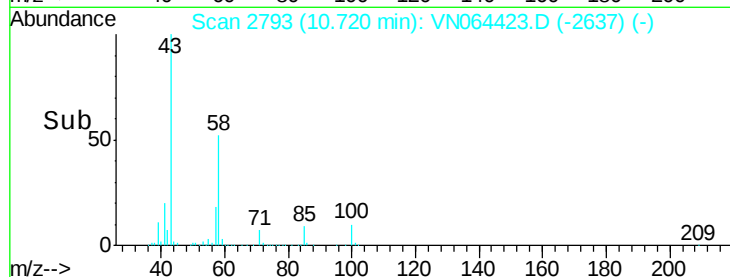
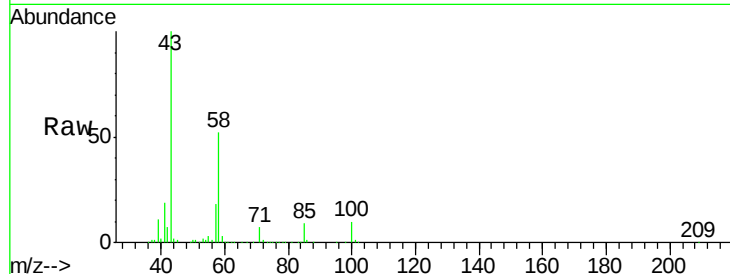
#59
2-Hexanone
Concen: 89.972 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	39.4	59.0
57	18.0	14.4	21.6

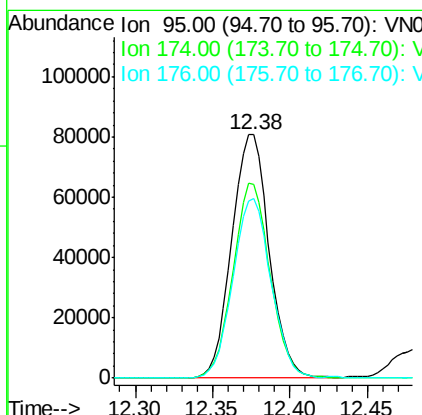
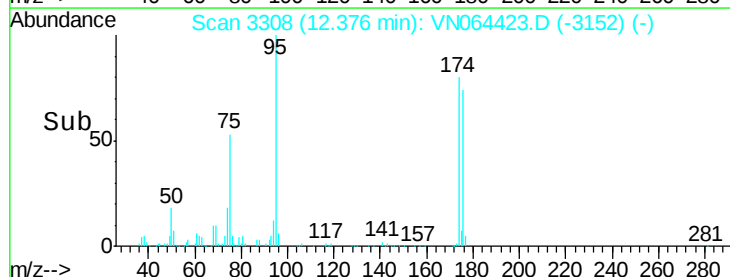
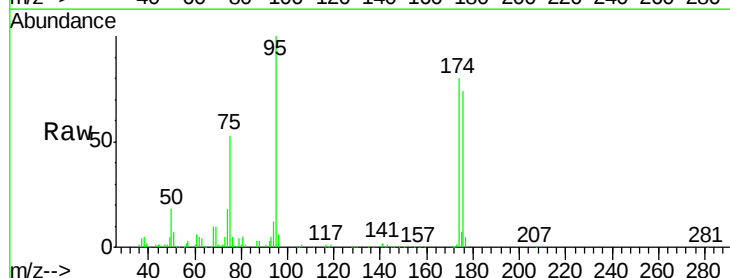
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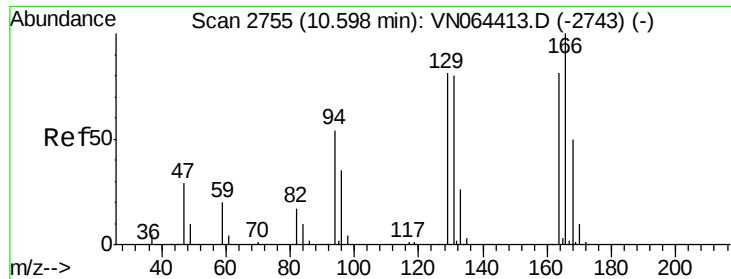
MMDadoda
11/3/2020 2:21:00 PM



#60
4-Bromofluorobenzene
Concen: 29.749 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.2	65.2	97.8
176	75.1	62.2	93.4





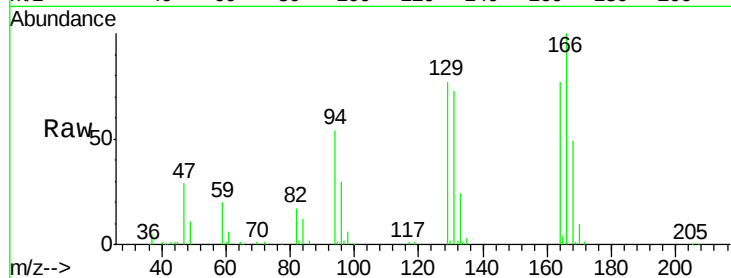
#61
Tetrachloroethene
Concen: 18.013 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

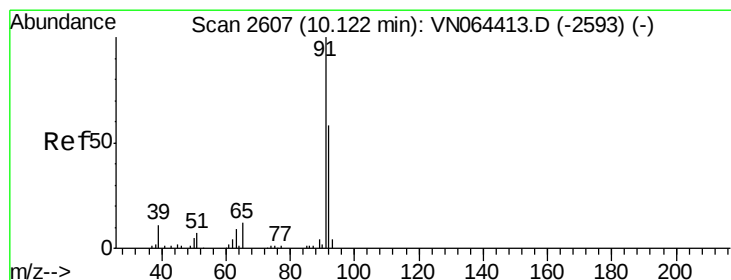
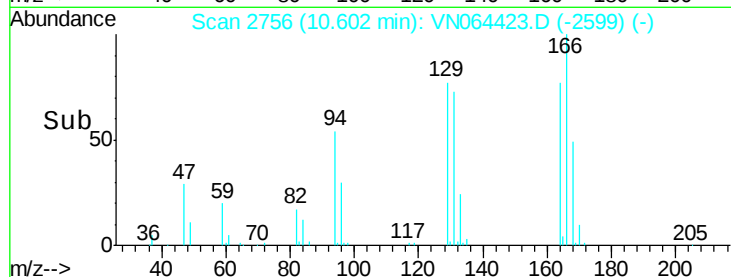
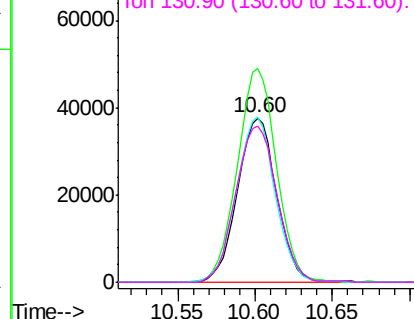
Tot Ion:164 Resp: 65962
Ion Ratio Lower Upper
164 100
166 130.1 98.7 148.1
129 100.3 80.2 120.4
131 95.1 78.7 118.1

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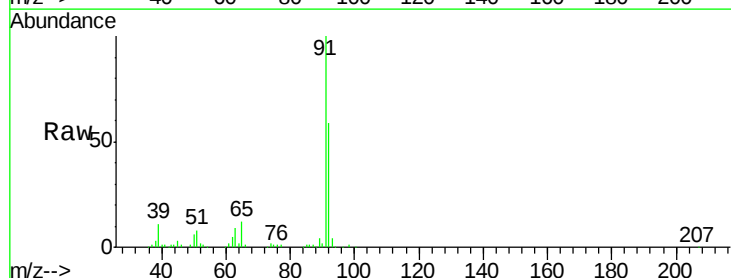


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

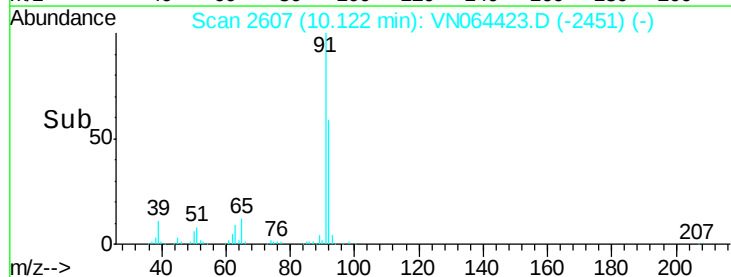
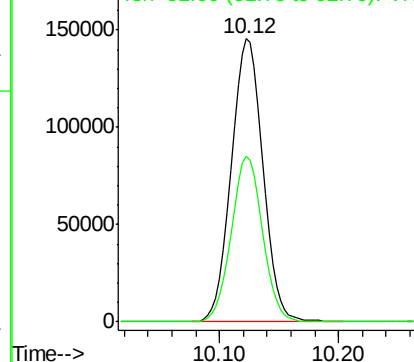


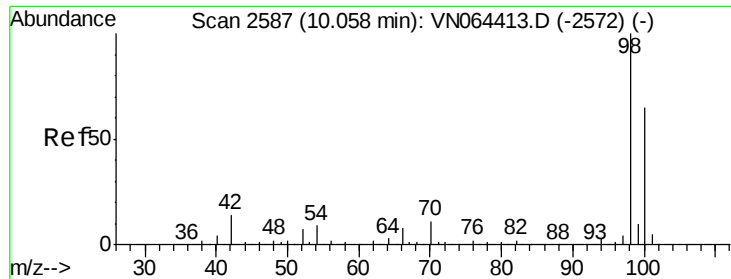
#62
Toluene
Concen: 17.732 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion: 91 Resp: 268295
Ion Ratio Lower Upper
91 100
92 57.7 46.2 69.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





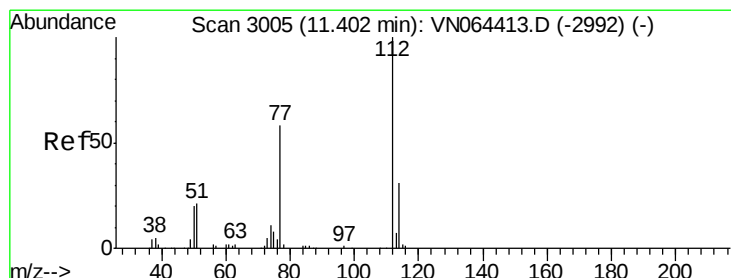
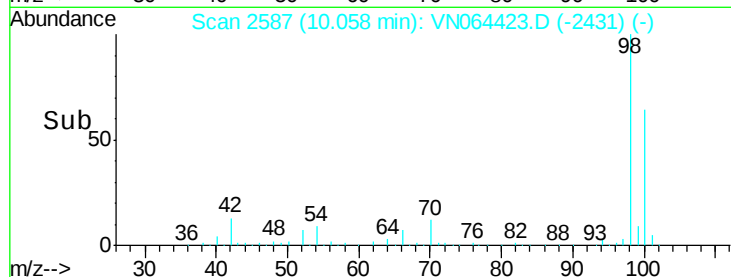
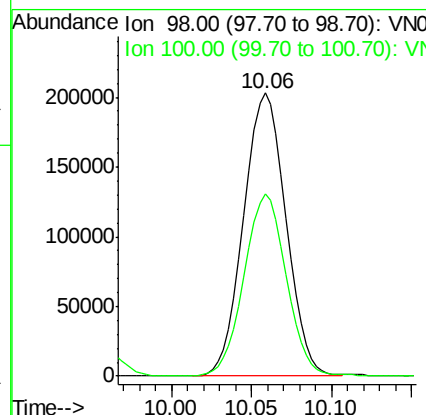
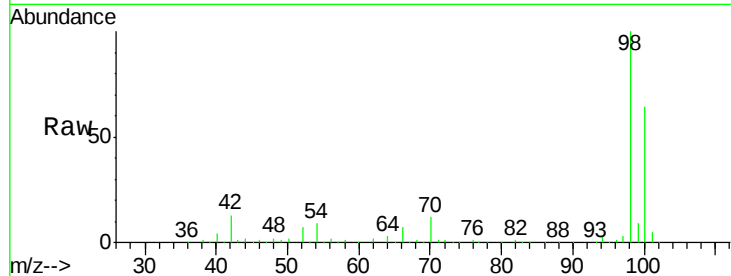
#63
Toluene-d8
Concen: 30.573 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 368288
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

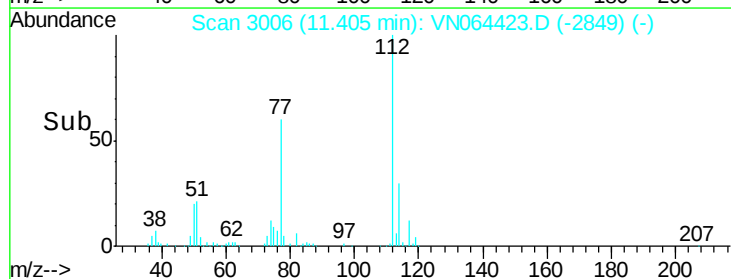
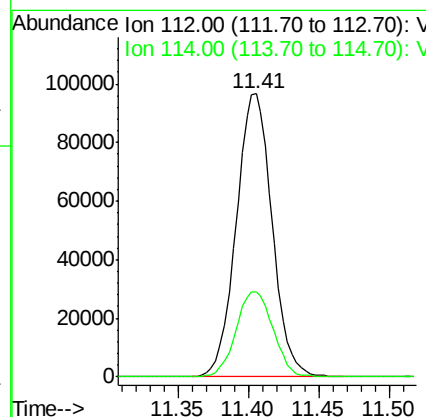
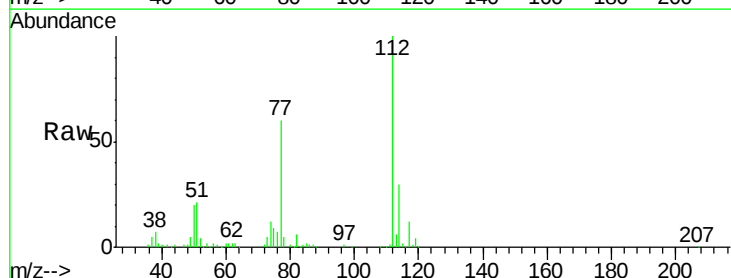
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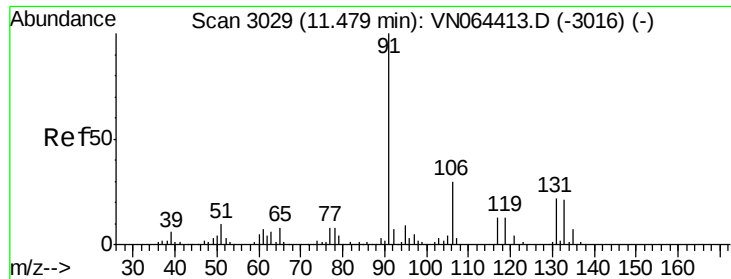
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#64
Chlorobenzene
Concen: 18.135 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion: 112 Resp: 171778
Ion Ratio Lower Upper
112 100
114 30.2 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.937 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

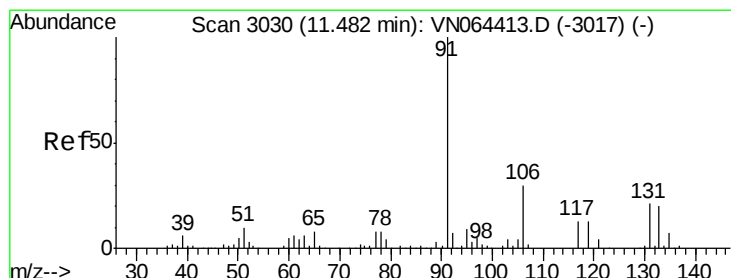
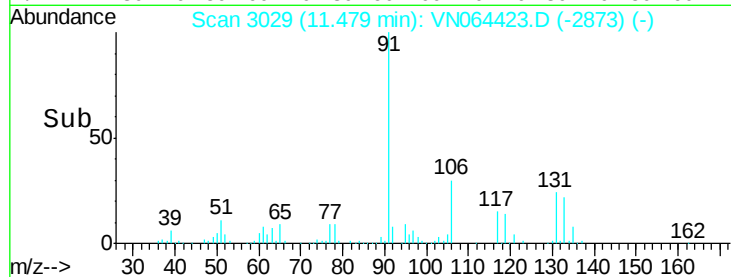
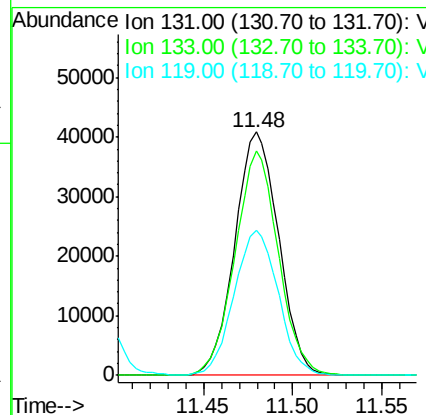
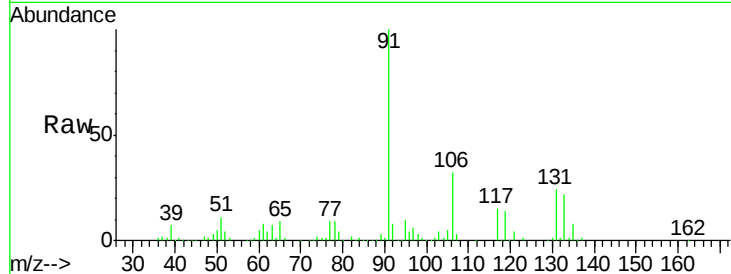
ClientSampleId :

VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	91.2	0.0	191.2
119	60.1	0.0	125.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.622 ug/l

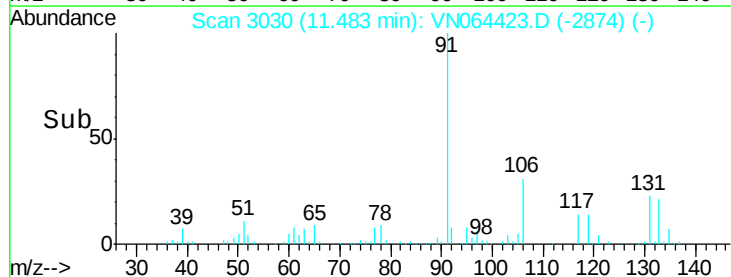
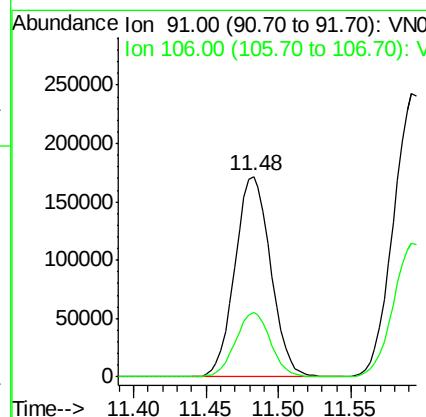
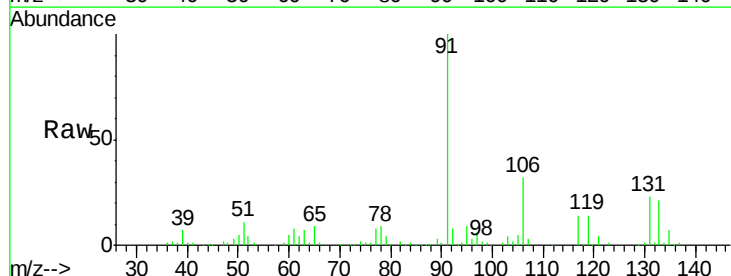
RT: 11.48 min Scan# 3030

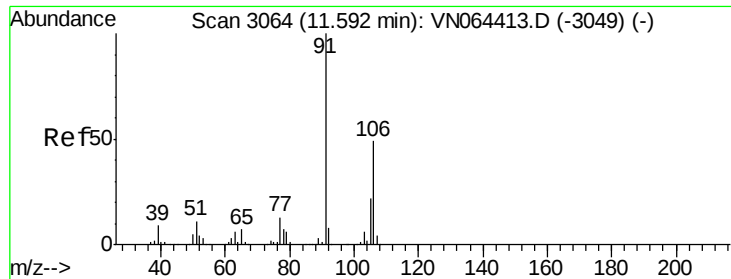
Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	23.9	35.9





#67

m/p-Xylenes

Concen: 35.319 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:106 Resp: 221803

Ion Ratio Lower Upper

106 100

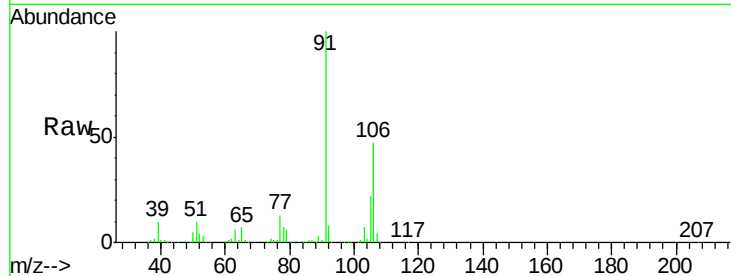
91 210.5 166.8 250.2

Manual Integrations

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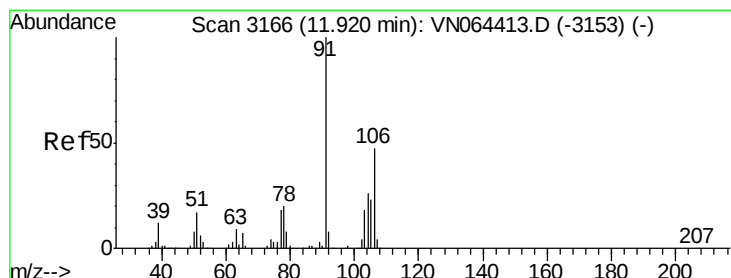
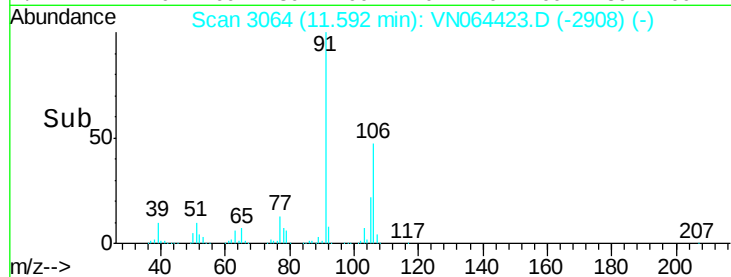
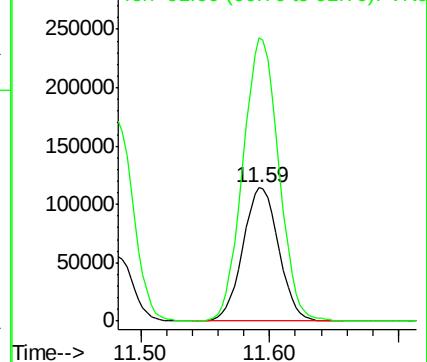
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 17.630 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. 0.00 min

Lab File: VN064423.D

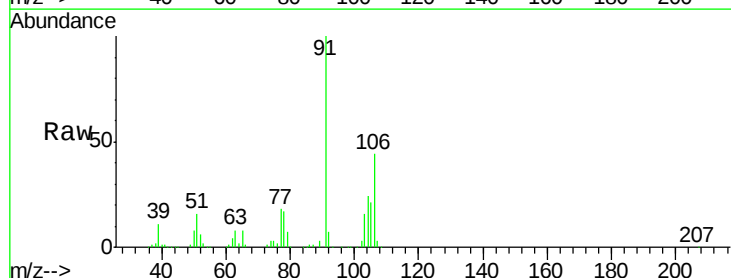
Acq: 2 Nov 2020 18:48

Tgt Ion:106 Resp: 106697

Ion Ratio Lower Upper

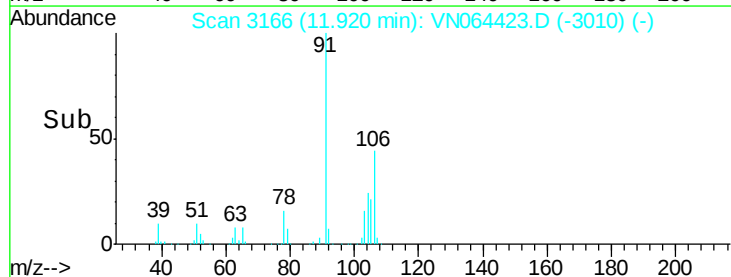
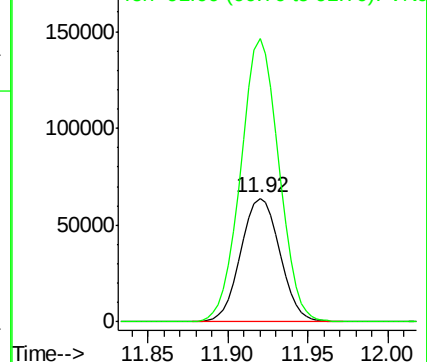
106 100

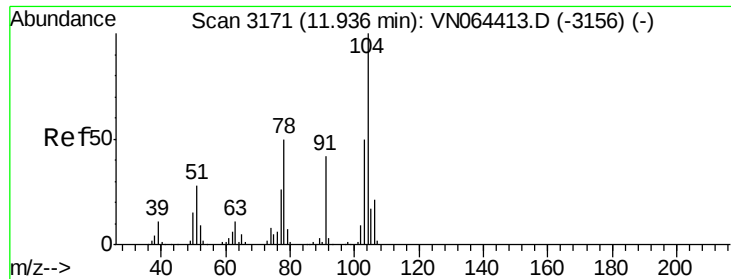
91 223.1 106.7 320.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





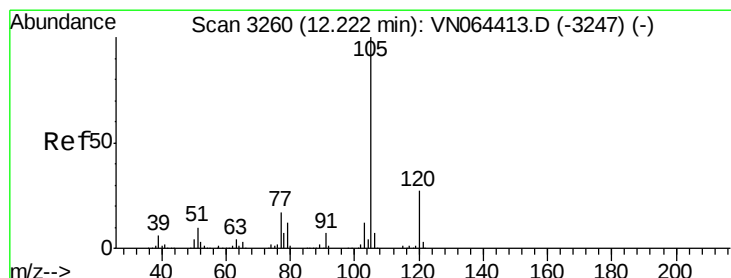
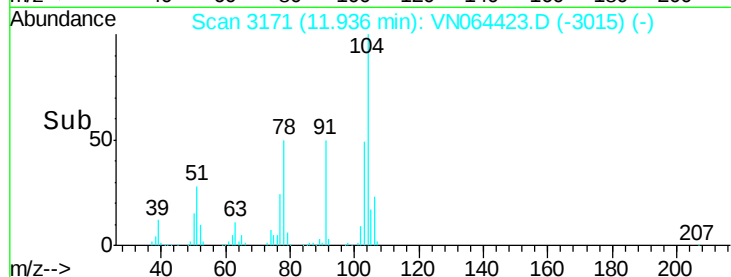
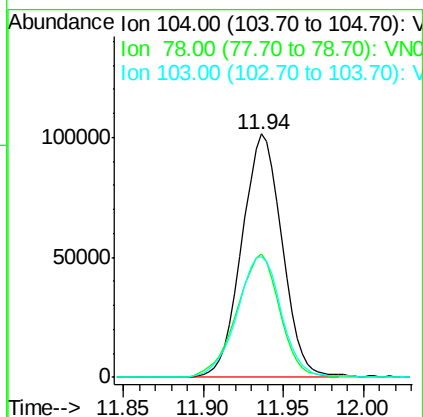
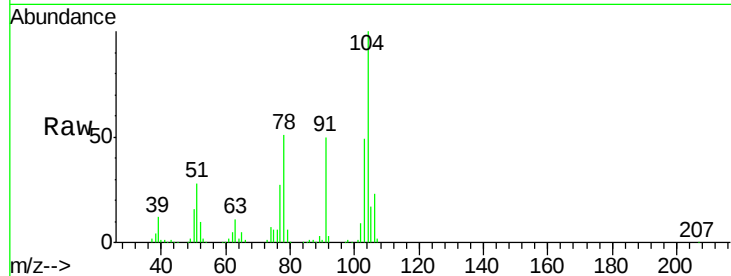
#69
Stvrene
Concen: 17.367 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.9	44.3	66.5
103	54.7	43.5	65.3

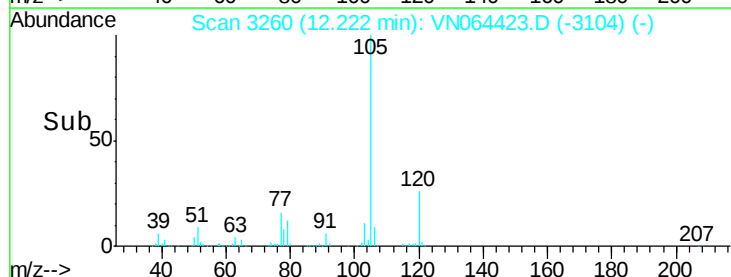
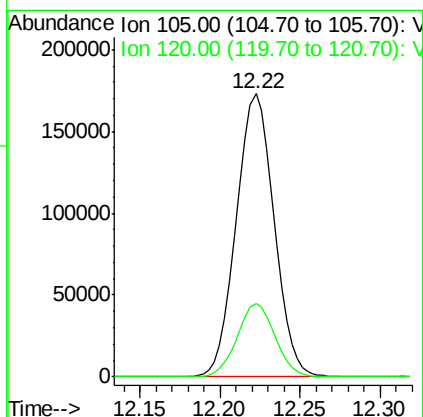
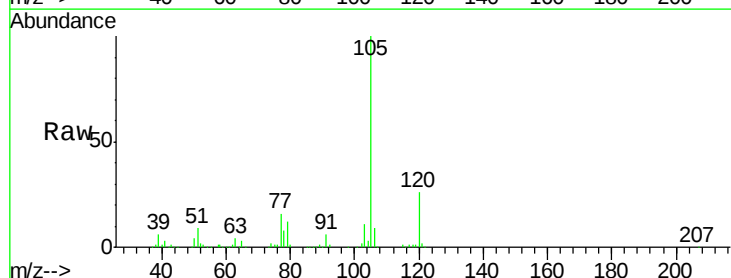
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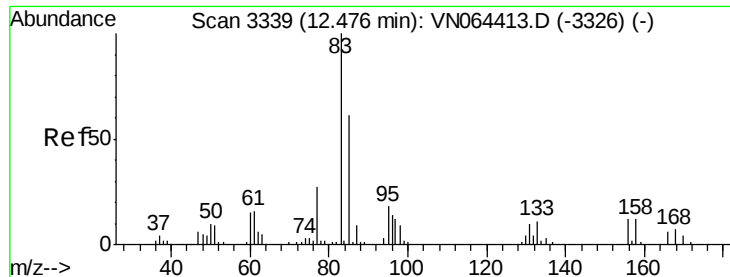
MMDadoda
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#70
Isopropylbenzene
Concen: 17.792 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	18.0	33.4





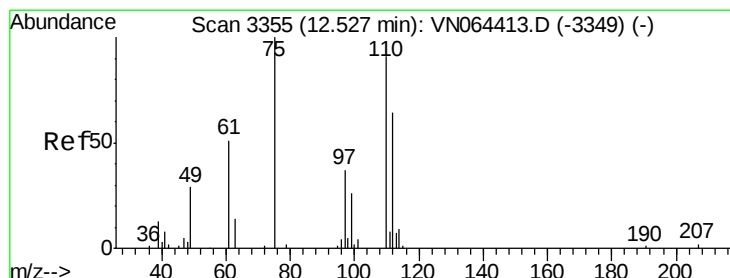
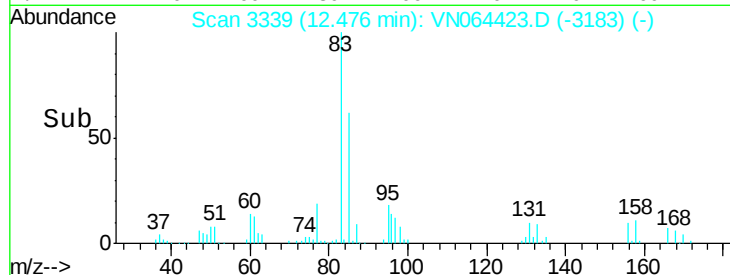
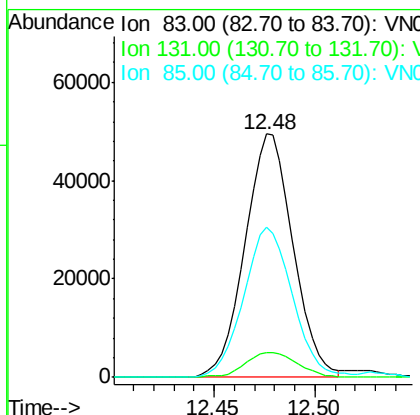
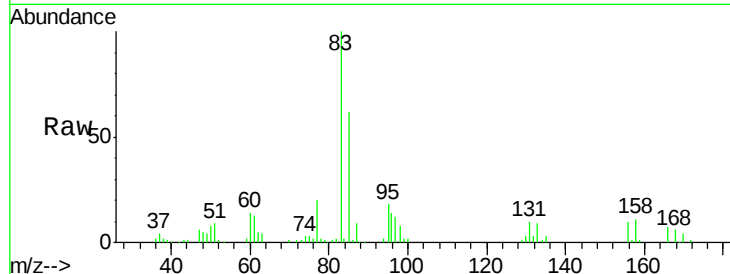
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.902 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	82297
Ion Ratio	100	Lower	Upper
83	100		
131	11.1	5.3	16.1
85	62.7	30.9	92.7

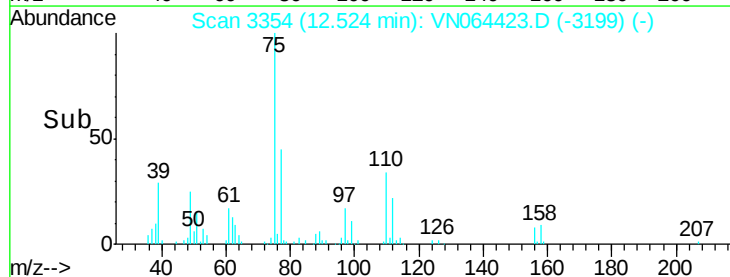
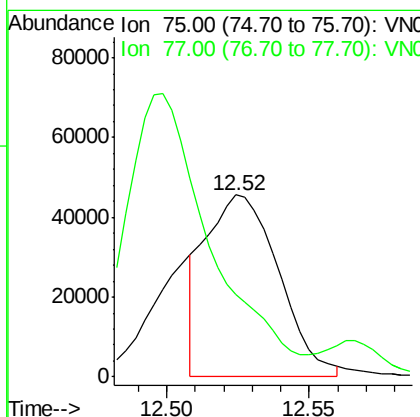
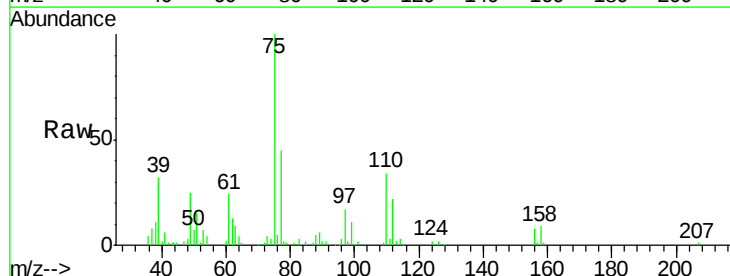
Manual Integrations
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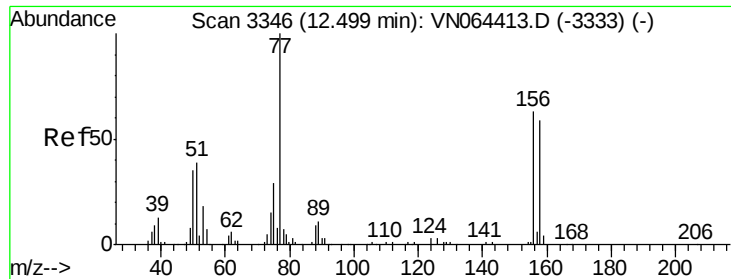
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#72
 1,2,3-Trichloropropane
 Concen: 17.882 ug/l m
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	75	Resp	81286
Ion Ratio	100	Lower	Upper
75	100		
77	184.1	0.0	374.2





#73

Bromobenzene

Concen: 18.066 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

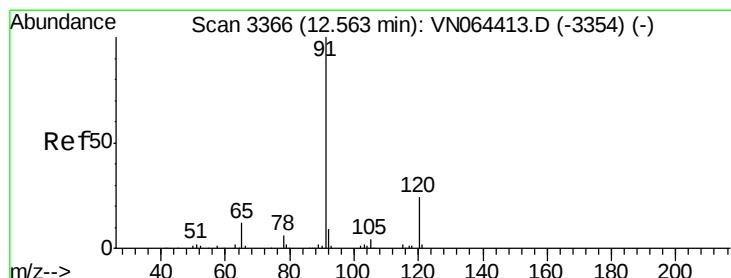
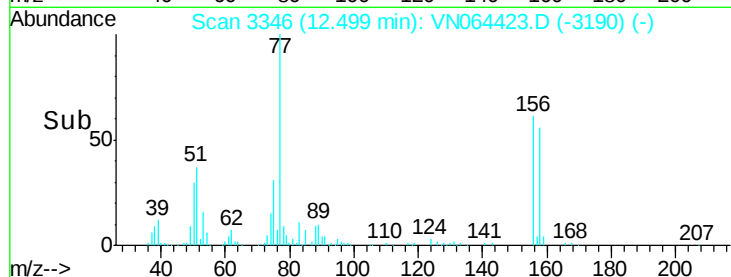
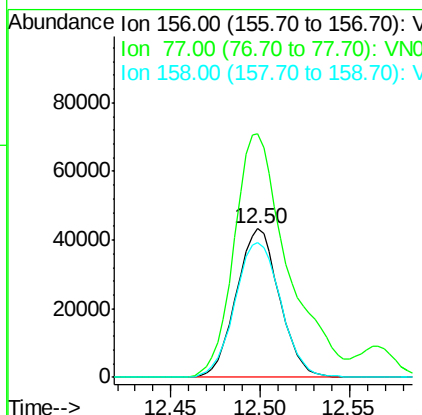
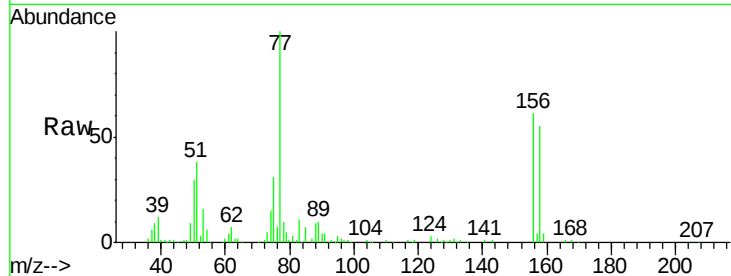
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	73389
Ion	Ratio	Lower	Upper
156	100		
77	203.9	0.0	409.4
158	96.4	0.0	192.0

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#74

n-propylbenzene

Concen: 17.911 ug/l

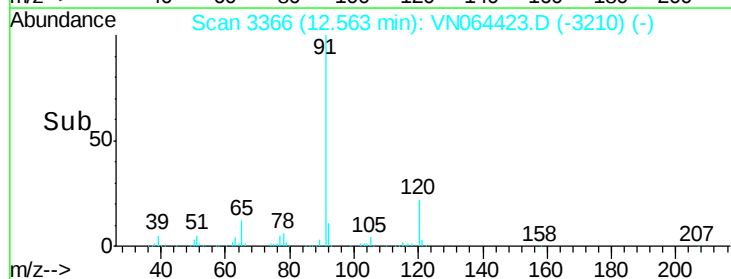
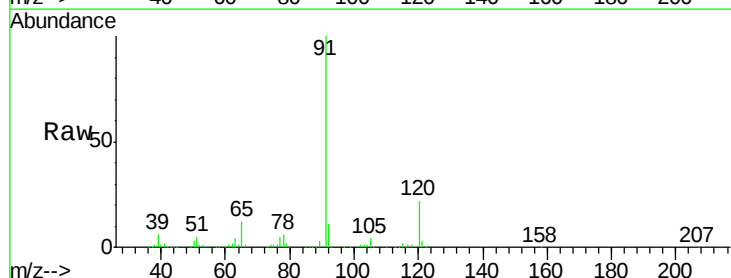
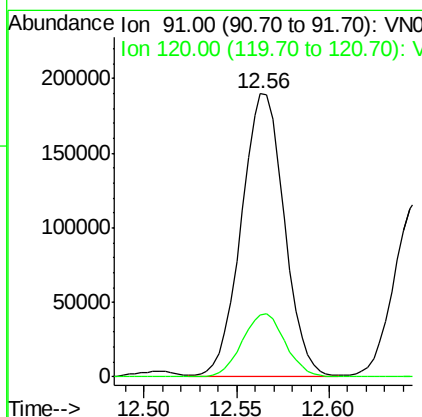
RT: 12.56 min Scan# 3366

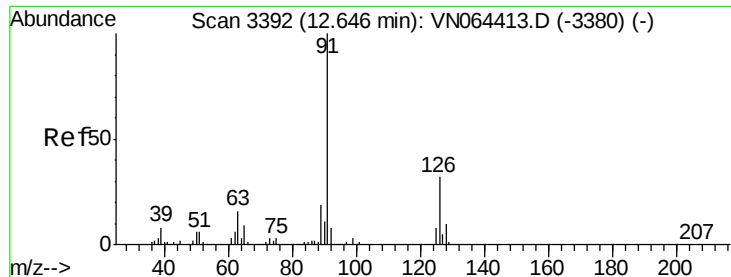
Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion:	91	Resp:	307493
Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	47.4





#75

2-Chlorotoluene

Concen: 18.202 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 197958

Ion Ratio Lower Upper

91 100

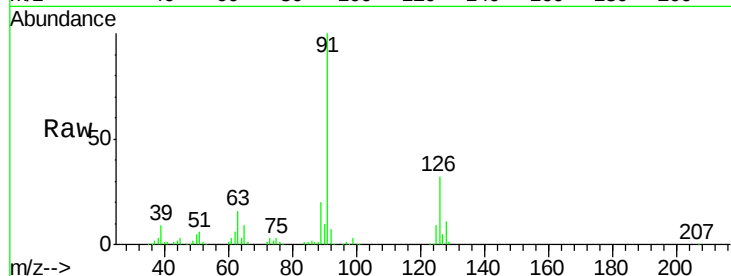
126 32.6 0.0 63.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064413.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064413.D (-3380) (-)

200000

150000

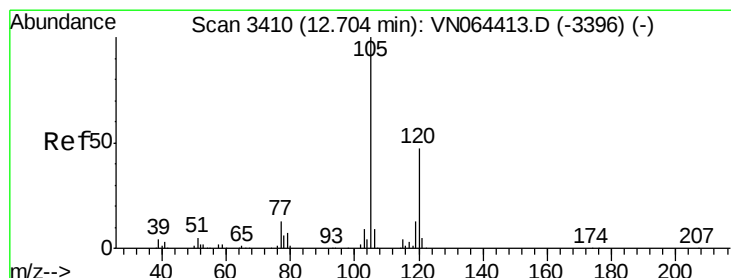
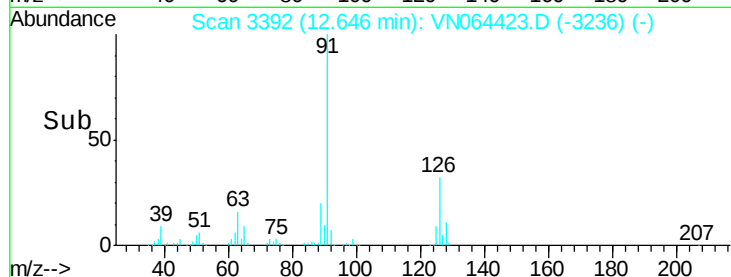
100000

50000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 17.767 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN064423.D

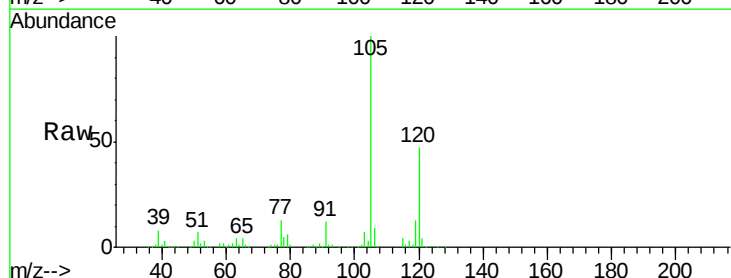
Acq: 2 Nov 2020 18:48

Tgt Ion: 105 Resp: 229150

Ion Ratio Lower Upper

105 100

120 47.6 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064413.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN064413.D (-3396) (-)

150000

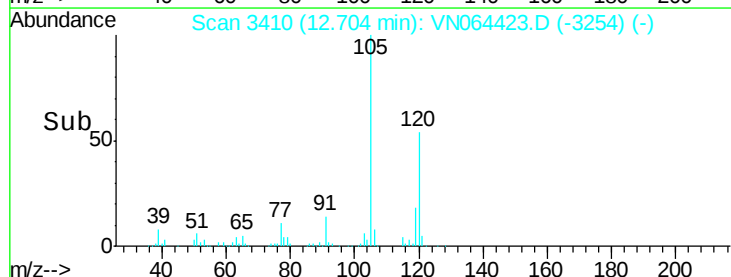
100000

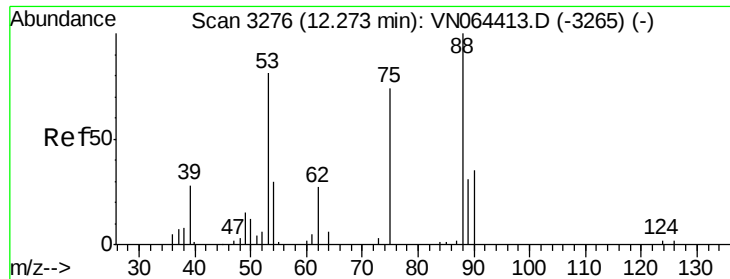
50000

0

12.65 12.70 12.75

Time-->





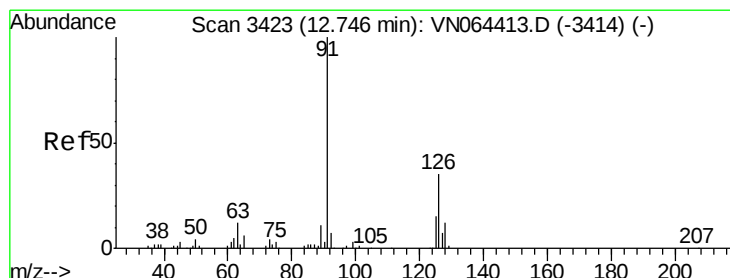
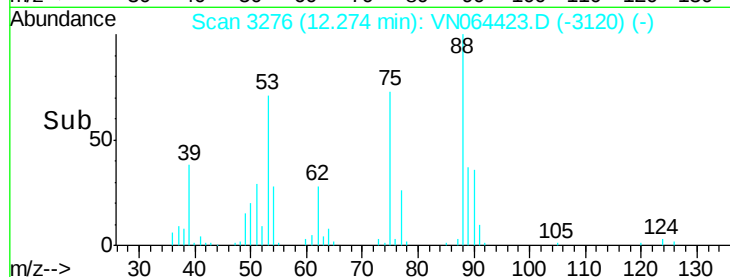
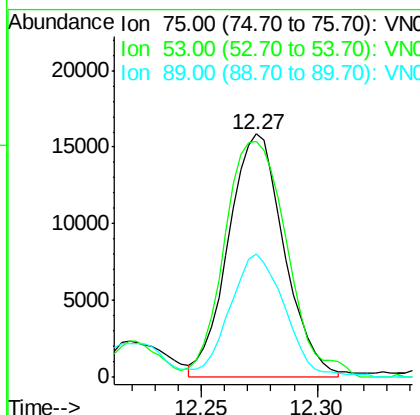
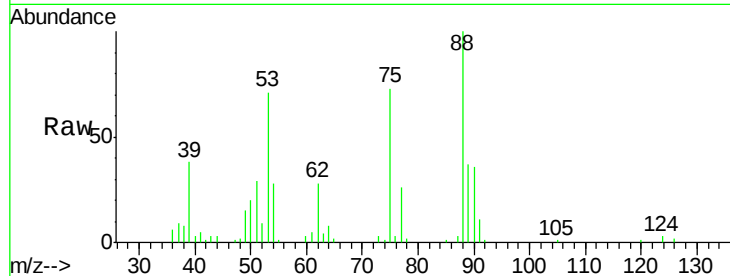
#77
t-1,4-Dichloro-2-butene
Concen: 16.552 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	54.1	162.4
89	50.3	23.1	69.3

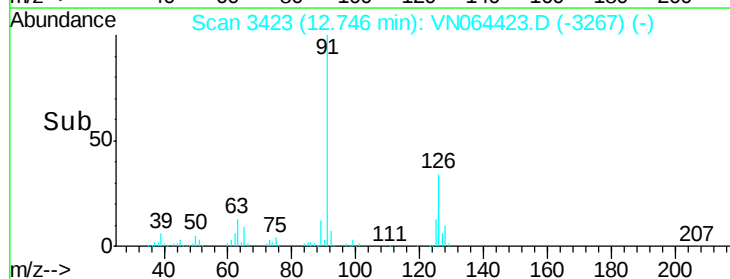
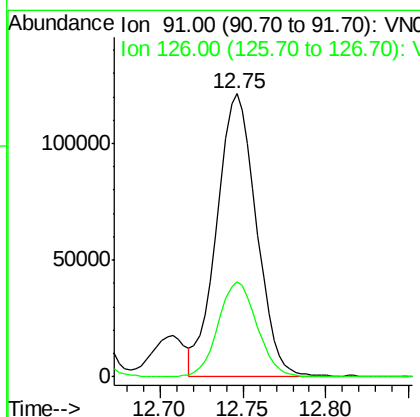
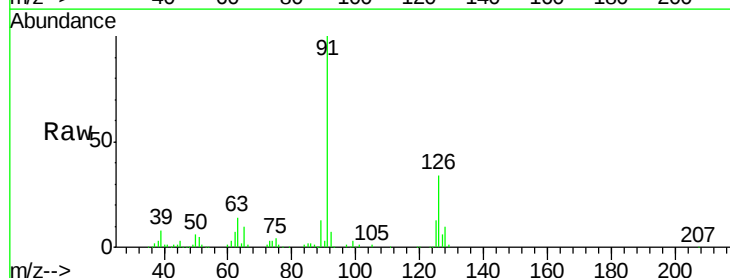
Manual Integrations
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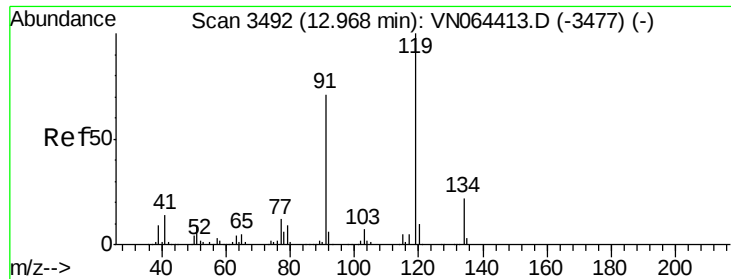
MMDadoda
11/3/2020 2:21:00 PM



#78
4-Chlorotoluene
Concen: 17.863 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	0.0	63.2





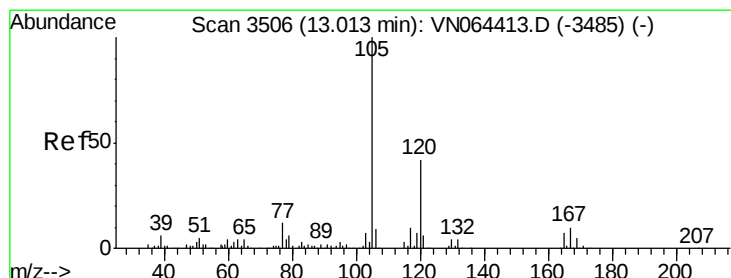
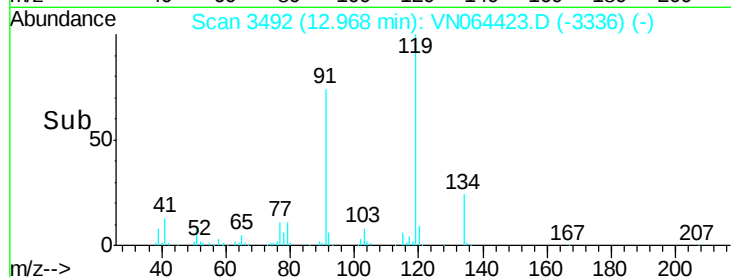
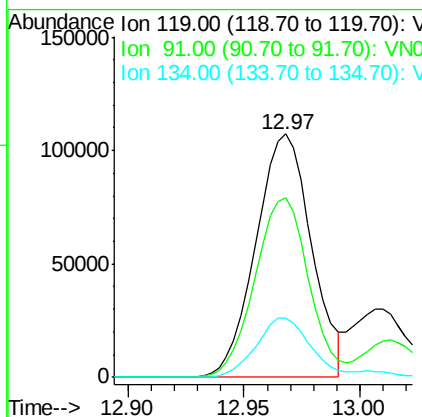
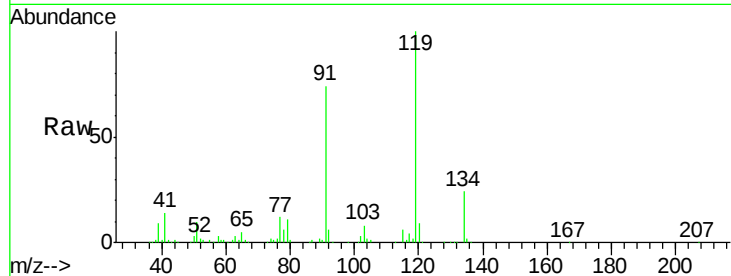
#79
tert-butylbenzene
Concen: 17.354 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179015		
91	71.2	0.0	140.4	
134	23.6	0.0	46.2	

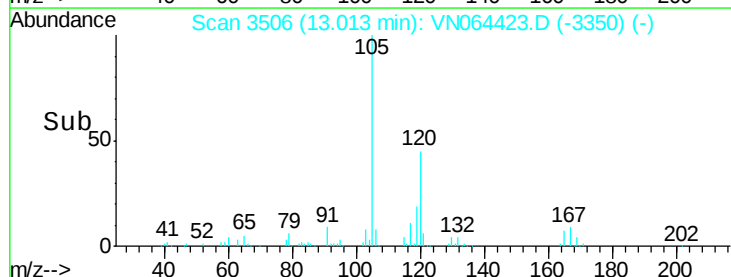
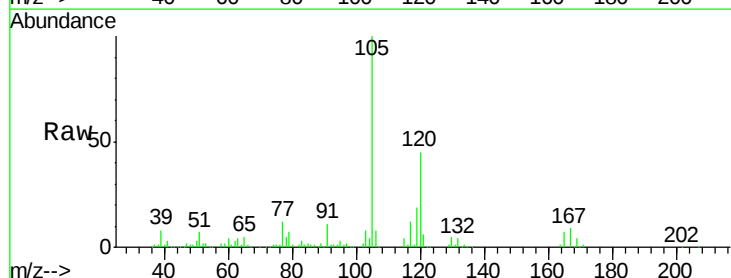
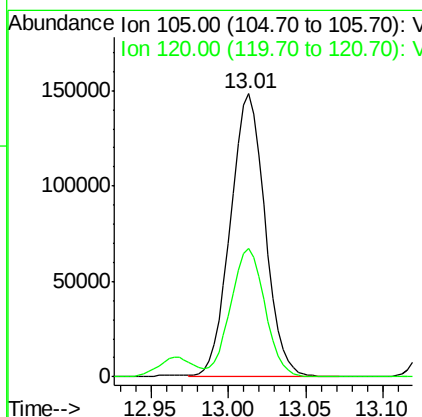
Manual Integrations
APPROVED

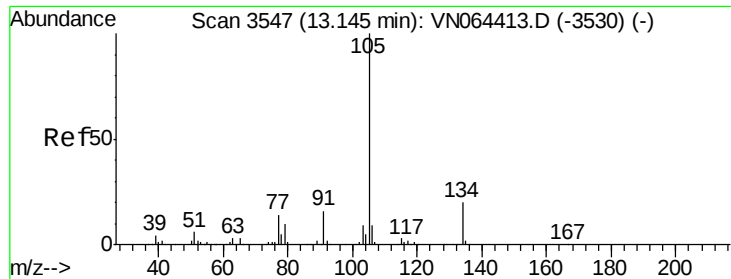
MMDadoda
11/3/2020 2:21:00 PM



#80
1,2,4-Trimethylbenzene
Concen: 17.704 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	231345		
120	45.0	0.0	88.0	





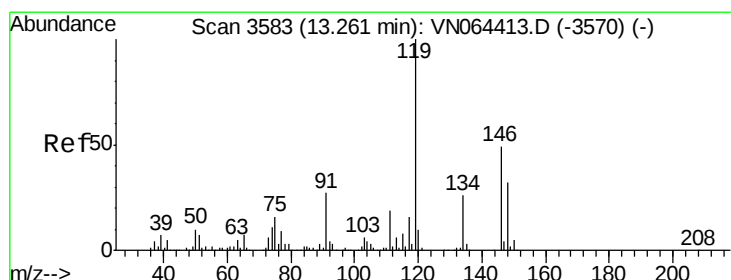
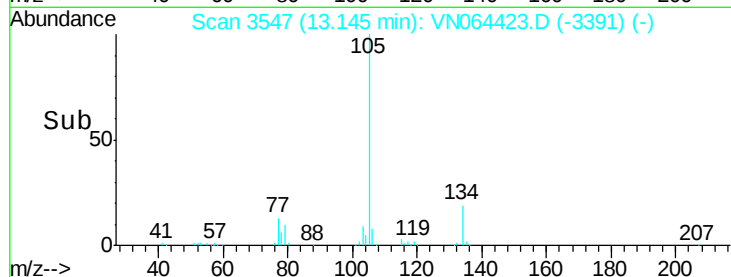
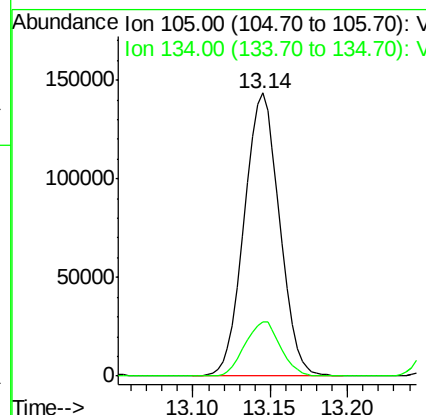
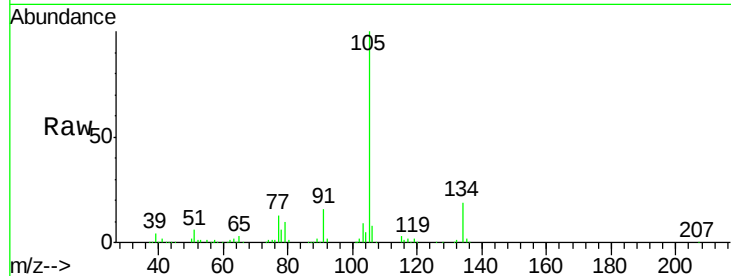
#81
 sec-Butylbenzene
 Concen: 17.524 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	0.0	39.2

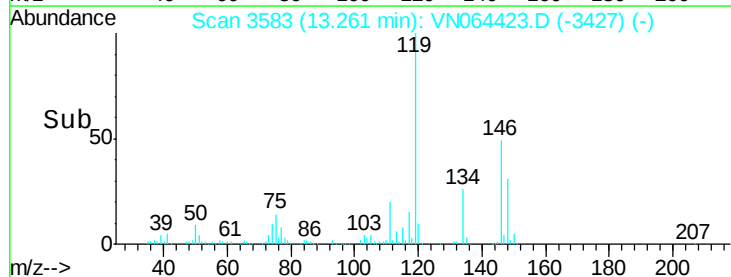
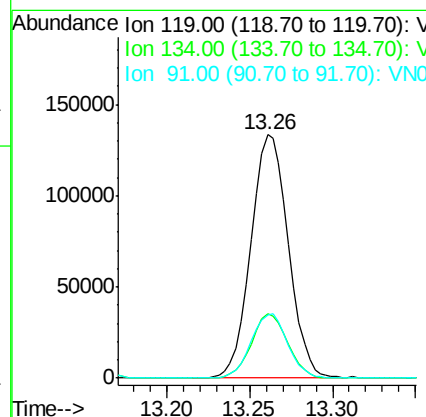
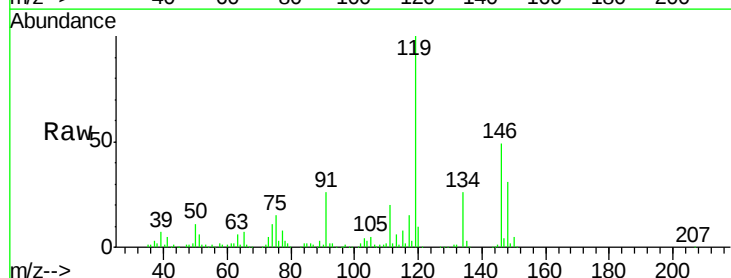
Manual Integrations
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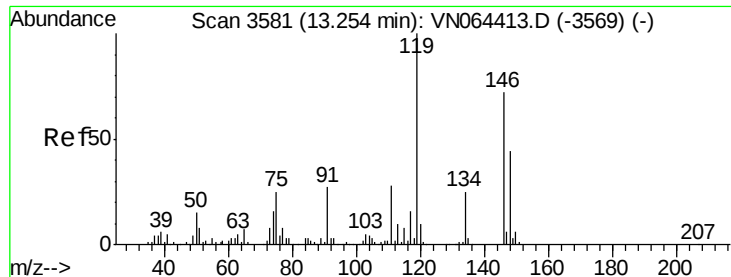
MMDadoda
 11/3/2020 2:21:00 PM



#82
 p-Isopropyltoluene
 Concen: 17.546 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	0.0	51.0
91	26.1	0.0	51.4





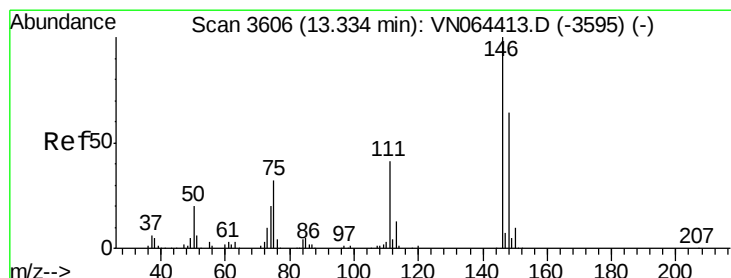
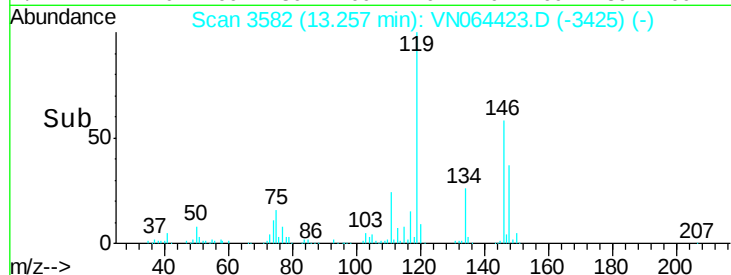
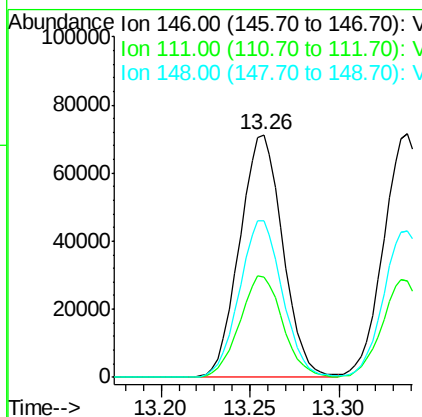
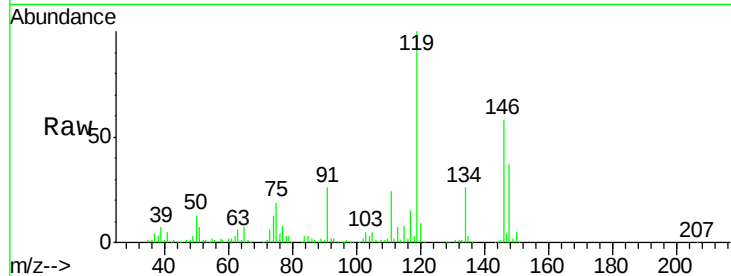
#83
 1,3-Dichlorobenzene
 Concen: 17.408 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	64.3	31.9	95.5

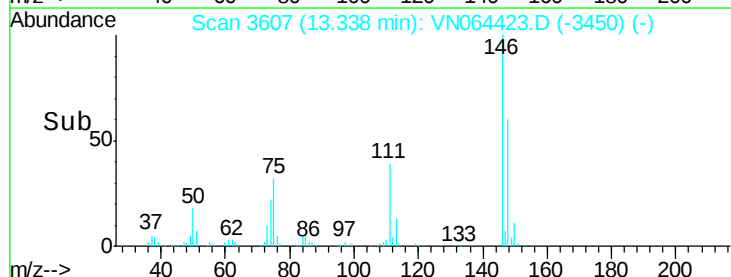
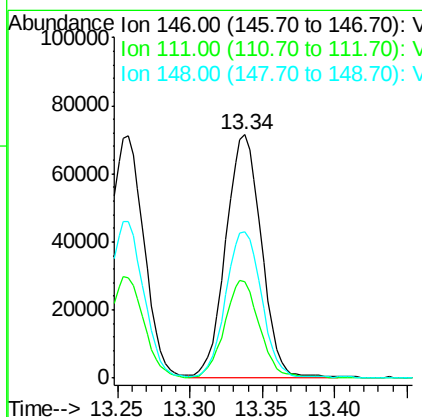
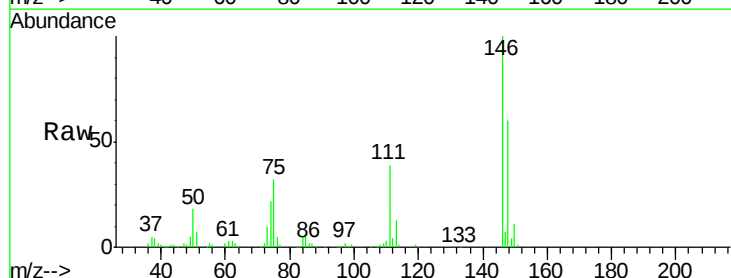
Manual Integrations
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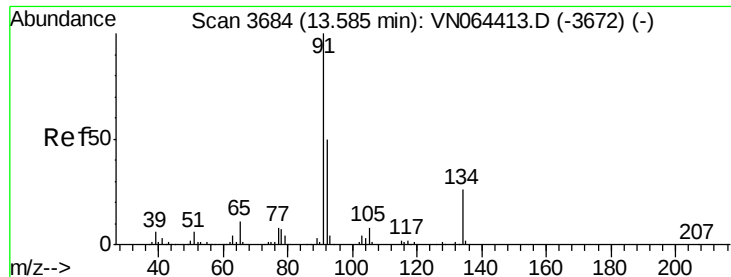
MMDadoda
 11/3/2020 2:21:00 PM



#84
 1,4-Dichlorobenzene
 Concen: 17.509 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	60.8	31.9	95.5





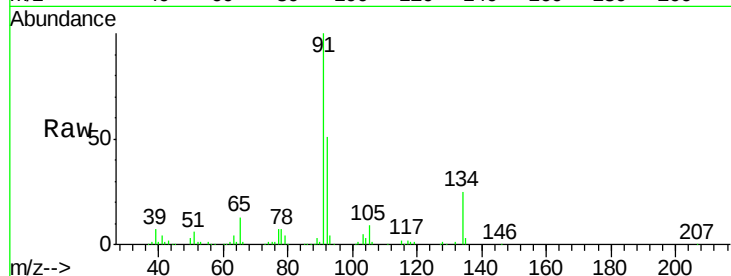
#85
n-Butylbenzene
Concen: 16.940 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161658		
92	51.7	0.0	99.4	
134	24.7	0.0	50.0	

Manual Integrations
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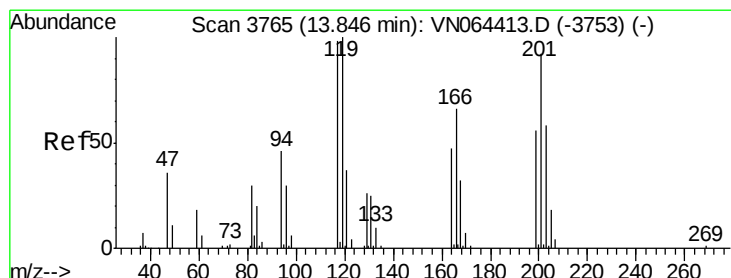
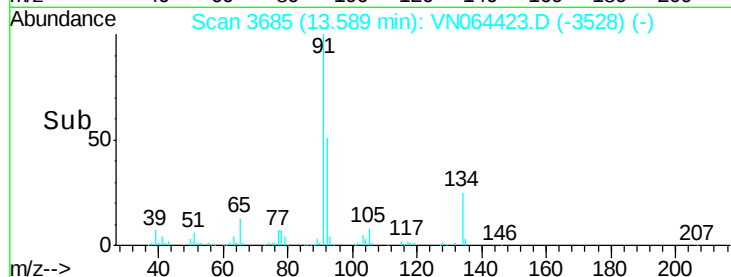
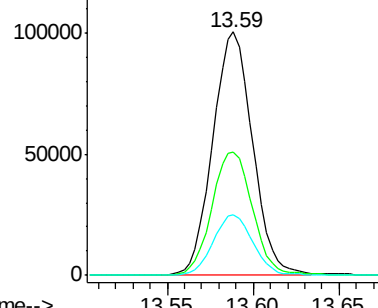
MMDadoda
11/3/2020 2:21:00 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064413.D (-3672) (-)

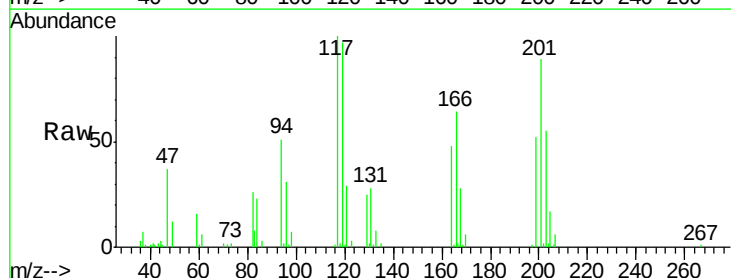
Ion 92.00 (91.70 to 92.70): VN064413.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN064413.D (-3672) (-)



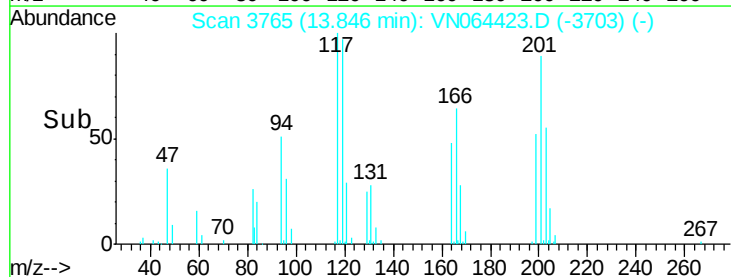
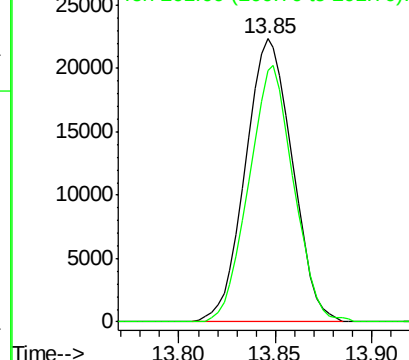
#86
Hexachloroethane
Concen: 16.878 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

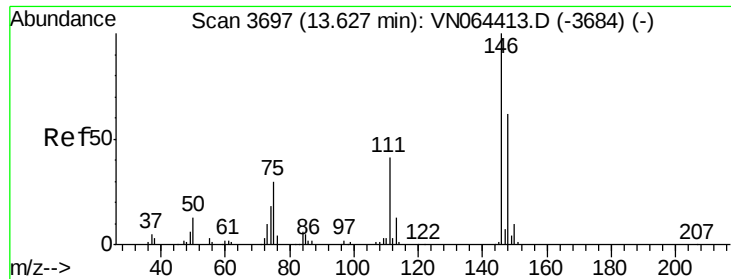
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37842		
201	86.2	42.7	128.1	



Abundance Ion 117.00 (116.70 to 117.70): VN064413.D (-3753) (-)

Ion 201.00 (200.70 to 201.70): VN064413.D (-3753) (-)





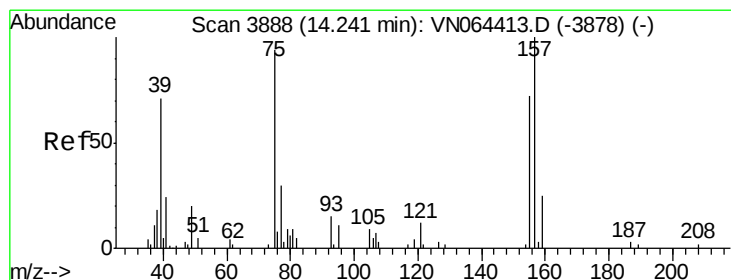
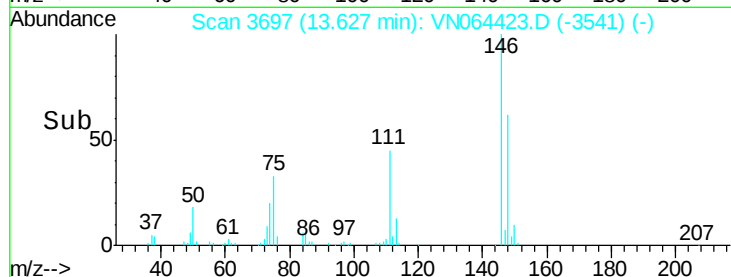
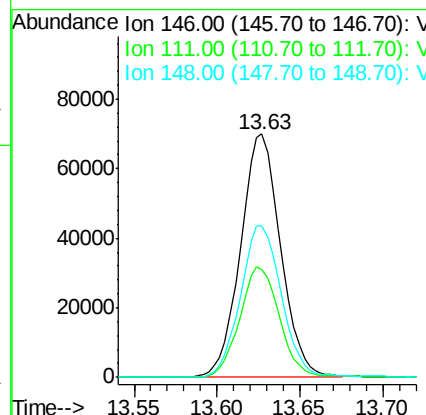
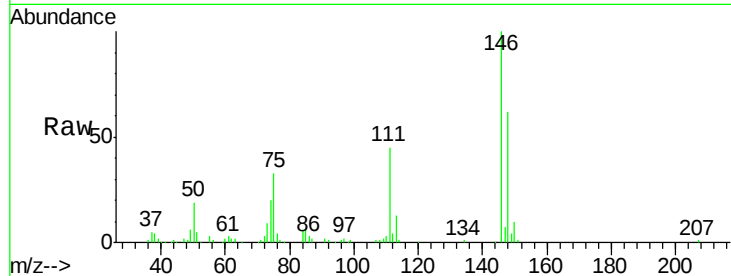
#87
 1,2-Dichlorobenzene
 Concen: 17.627 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.3	64.0
148	63.8	31.7	95.1

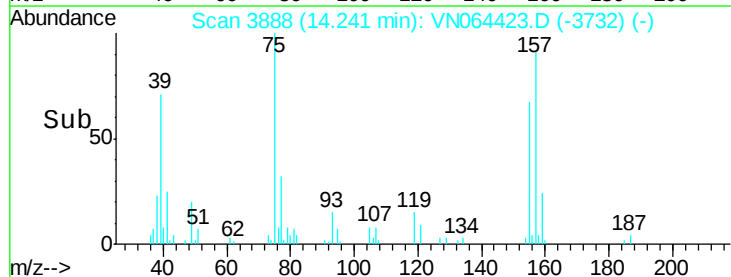
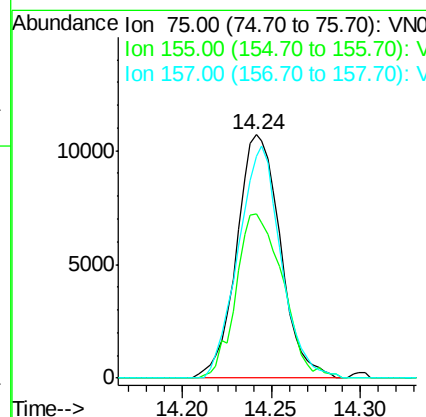
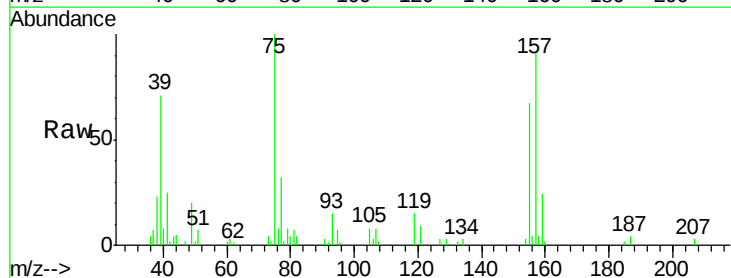
Manual Integrations
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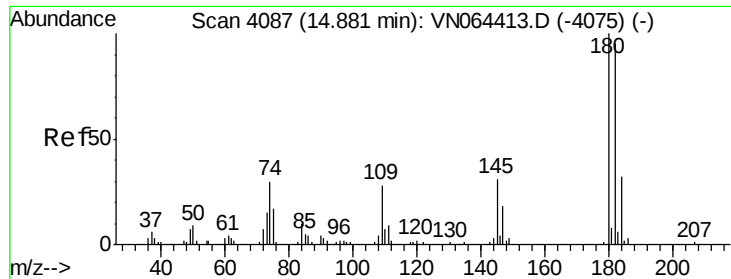
MMDadoda
 11/3/2020 2:21:00 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.437 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN064423.D
 Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	66.2	99.2
157	93.5	82.7	124.1





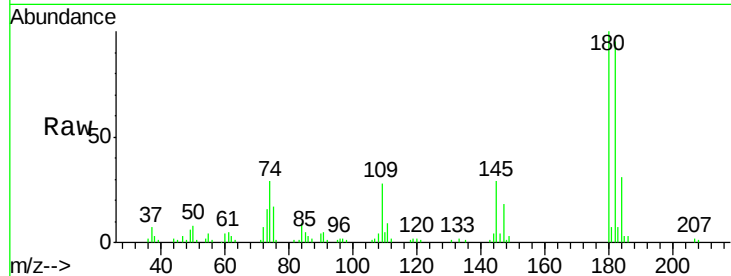
#89
1,2,4-Trichlorobenzene
Concen: 15.815 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

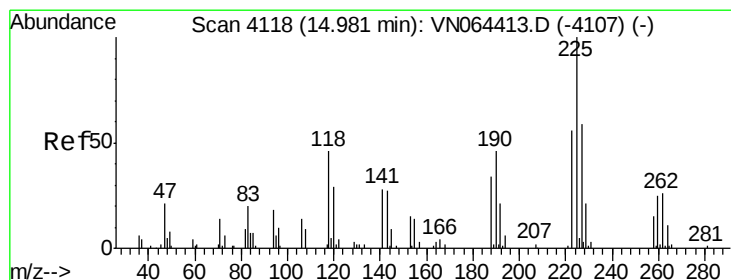
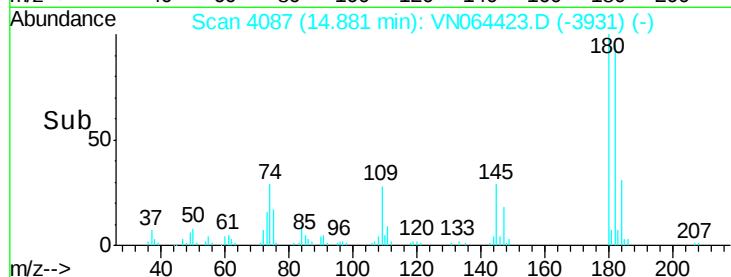
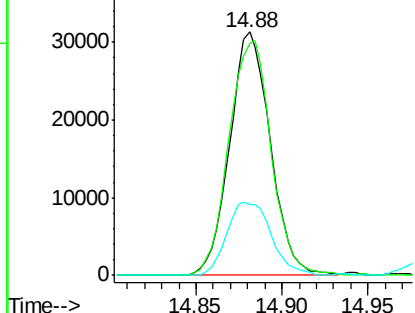
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	72.6	108.8
145	32.6	24.3	36.5

Manual Integrations
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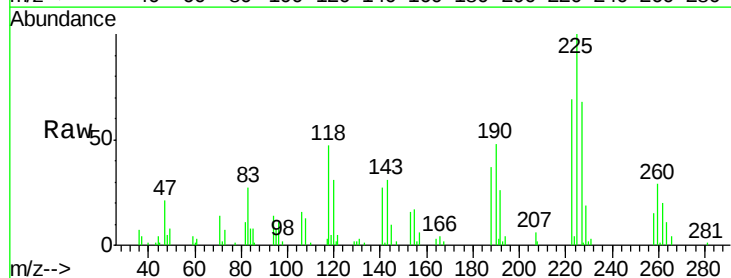


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

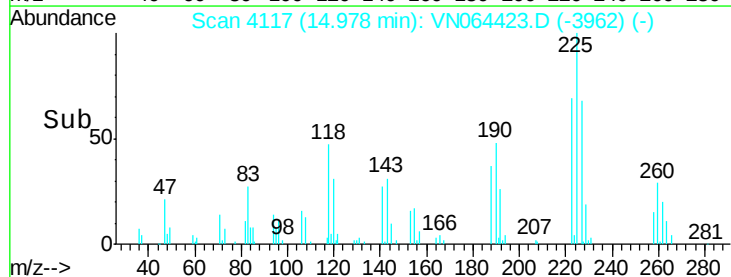
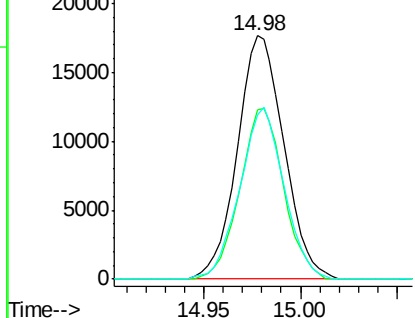


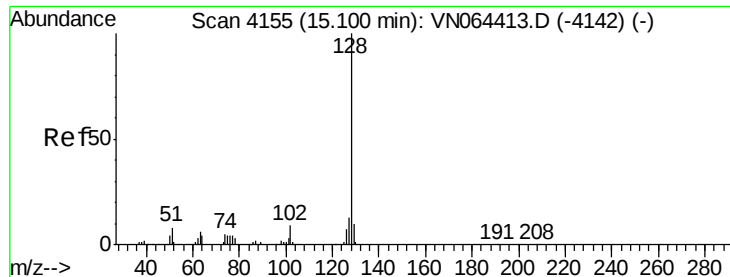
#90
Hexachlorobutadiene
Concen: 17.069 ug/l
RT: 14.98 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN064423.D
Acq: 2 Nov 2020 18:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	0.0	125.6
227	66.8	0.0	121.6



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





#91

Naphthalene

Concen: 15.932 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Instrument :

MSVOA_N

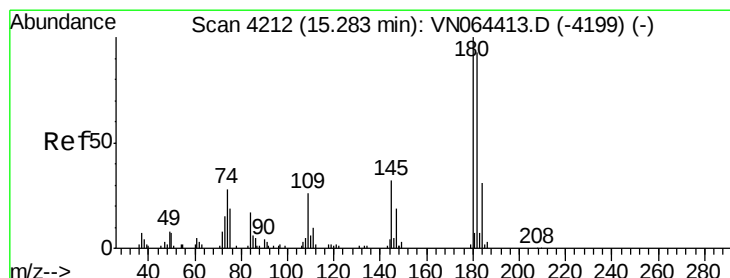
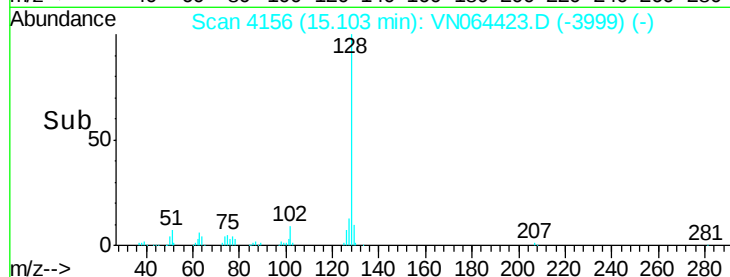
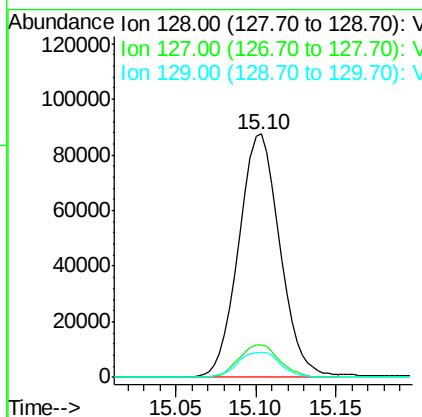
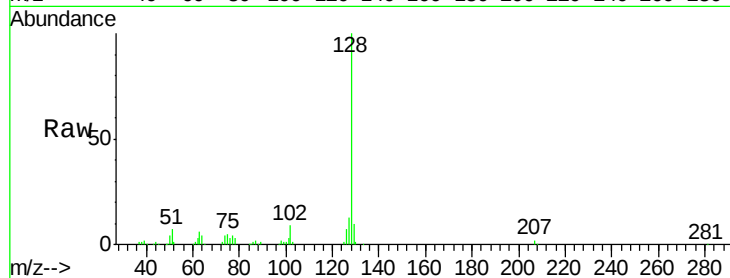
ClientSampleId :

VSTDCCC020EC

Tot Ion:	128	Resp:	154209
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.6	8.6	13.0

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 16.140 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064423.D

Acq: 2 Nov 2020 18:48

Tgt Ion:	180	Resp:	52001
Ion Ratio	Lower	Upper	
180	100		
182	97.7	0.0	191.4
145	33.8	0.0	64.8

