

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064415.D
 Acq On : 2 Nov 2020 15:01
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/3/2020 2:20:48 PM

Quant Time: Nov 02 15:23:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:04:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	60657	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	325166	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	306830	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	143852	26.83	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	89.43%#
60) 4-Bromofluorobenzene	12.37	95	158784	29.50	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	98.33%
63) Toluene-d8	10.06	98	411816	30.20	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	386492	81.053	ug/l 98
3) Chloromethane	2.04	50	410626	90.653	ug/l 97
4) Vinyl Chloride	2.16	62	417590	93.759	ug/l 99
5) Bromomethane	2.52	94	265813	95.978	ug/l 98
6) Chloroethane	2.67	64	247055	98.319	ug/l 97
7) Trichlorofluoromethane	2.98	101	680709	97.802	ug/l 95
8) Diethyl Ether	3.37	74	211526	96.556	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	339382	95.712	ug/l 99
10) 1,1-Dichloroethene	3.70	96	328726	97.421	ug/l 94
11) Methyl Iodide	3.91	142	480657	100.375	ug/l 98
12) Methyl Acetate	4.27	43	354371	89.619	ug/l 100
13) Acrolein	3.57	56	189346	650.646	ug/l 91
14) Acrylonitrile	4.93	53	815730	471.702	ug/l 99
15) Acetone	3.77	58	259982	500.539	ug/l 90
16) Carbon Disulfide	4.01	76	949933	94.710	ug/l 99
17) Allyl chloride	4.28	41	627873	98.418	ug/l 91
18) Methylene Chloride	4.50	84	377129	97.565	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	370982	99.851	ug/l 92
20) Diisopropyl ether	5.90	45	1285557	98.890	ug/l 96
21) 1,1-Dichloroethane	5.79	63	691175	94.805	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	436479	102.041	ug/l 98
23) tert-Butyl Alcohol	4.73	59	305988	395.781	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1199470	94.761	ug/l # 64
25) Chloroform	7.33	83	740611	97.900	ug/l 98
26) Cyclohexane	7.61	56	569474	96.046	ug/l 97
29) 1,1-Dichloropropene	7.75	75	564188	102.365	ug/l 88
30) 2-Butanone	6.78	43	1280596	489.874	ug/l 100
31) 2,2-Dichloropropane	6.77	77	668830	100.592	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	713990	102.249	ug/l 99
33) Carbon Tetrachloride	7.73	117	648542	101.725	ug/l 95
34) Benzene	8.00	78	1553938	103.779	ug/l # 90
35) Methacrylonitrile	7.13	41	224352	84.363	ug/l 93
36) 1,2-Dichloroethane	8.08	62	613248	93.384	ug/l 99
37) Trichloroethene	8.80	130	438309	106.982	ug/l 93
38) Methylcyclohexane	9.05	83	507416	95.625	ug/l 98
39) 1,2-Dichloropropane	9.08	63	405540	101.998	ug/l 99
40) Dibromomethane	9.17	93	288590	103.149	ug/l 99

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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	610381	101.185	ug/l	97
42) Vinyl Acetate	5.84	43	5501537	500.239	ug/l	99
43) Ethyl Acetate	6.88	43	506494	98.946	ug/l #	81
44) Isopropyl Acetate	8.12	43	887947	93.046	ug/l #	82
45) 1,4-Dioxane	9.16	88	125522	1733.796	ug/l	94
46) Methyl methacrylate	9.16	41	444666	95.652	ug/l	96
47) n-amyl Acetate	12.04	43	802918	99.934	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	687097	102.607	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	714966	103.502	ug/l	94
50) 1,1,2-Trichloroethane	10.53	97	390649	104.438	ug/l	94
51) Ethyl methacrylate	10.40	69	595465	103.745	ug/l	92
52) 1,3-Dichloropropane	10.68	76	670064	102.359	ug/l	99
53) Dibromochloromethane	10.87	129	496506	108.855	ug/l	99
54) 1,2-Dibromoethane	10.97	107	420321	105.282	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	1504904	523.988	ug/l	99
56) Bromoform	12.10	173	366746	113.610	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	2560168	465.884	ug/l	98
59) 2-Hexanone	10.72	43	1920439	464.034	ug/l	98
61) Tetrachloroethene	10.60	164	422527	102.892	ug/l	97
62) Toluene	10.12	91	1760486	103.901	ug/l	99
64) Chlorobenzene	11.40	112	1108469	104.776	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	441155	105.699	ug/l	100
66) Ethyl Benzene	11.48	91	1981195	103.349	ug/l	97
67) m/p-Xylenes	11.59	106	1510114	212.688	ug/l	97
68) o-Xylene	11.92	106	721884	103.591	ug/l	98
69) Styrene	11.94	104	1248009	108.263	ug/l	97
70) Isopropylbenzene	12.22	105	1855384	101.145	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	526800	101.728	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	531596m	99.160	ug/l	
73) Bromobenzene	12.50	156	490830	107.842	ug/l	98
74) n-propylbenzene	12.56	91	2109860	101.595	ug/l	99
75) 2-Chlorotoluene	12.65	91	1315326	101.987	ug/l	97
76) 1,3,5-Trimethylbenzene	12.71	105	1557734	101.102	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	206566	102.587	ug/l	95
78) 4-Chlorotoluene	12.75	91	1378488	102.398	ug/l	96
79) tert-butylbenzene	12.97	119	1269132	99.694	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	1577206	101.338	ug/l	98
81) sec-Butylbenzene	13.14	105	1574395	96.005	ug/l	100
82) p-Isopropyltoluene	13.26	119	1477731	98.309	ug/l	98
83) 1,3-Dichlorobenzene	13.25	146	852626	108.529	ug/l	100
84) 1,4-Dichlorobenzene	13.33	146	851224	107.634	ug/l	100
85) n-Butylbenzene	13.59	91	1210037	93.107	ug/l	97
86) Hexachloroethane	13.85	117	283841	101.917	ug/l	96
87) 1,2-Dichlorobenzene	13.62	146	819183	105.826	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	120747	95.002	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	423821	99.145	ug/l	96
90) Hexachlorobutadiene	14.98	225	203048	88.111	ug/l	96
91) Naphthalene	15.10	128	1279471	101.186	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	410175	100.205	ug/l	99

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QLast Update : Mon Nov 02 15:04:18 2020
Response via : Initial Calibration

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

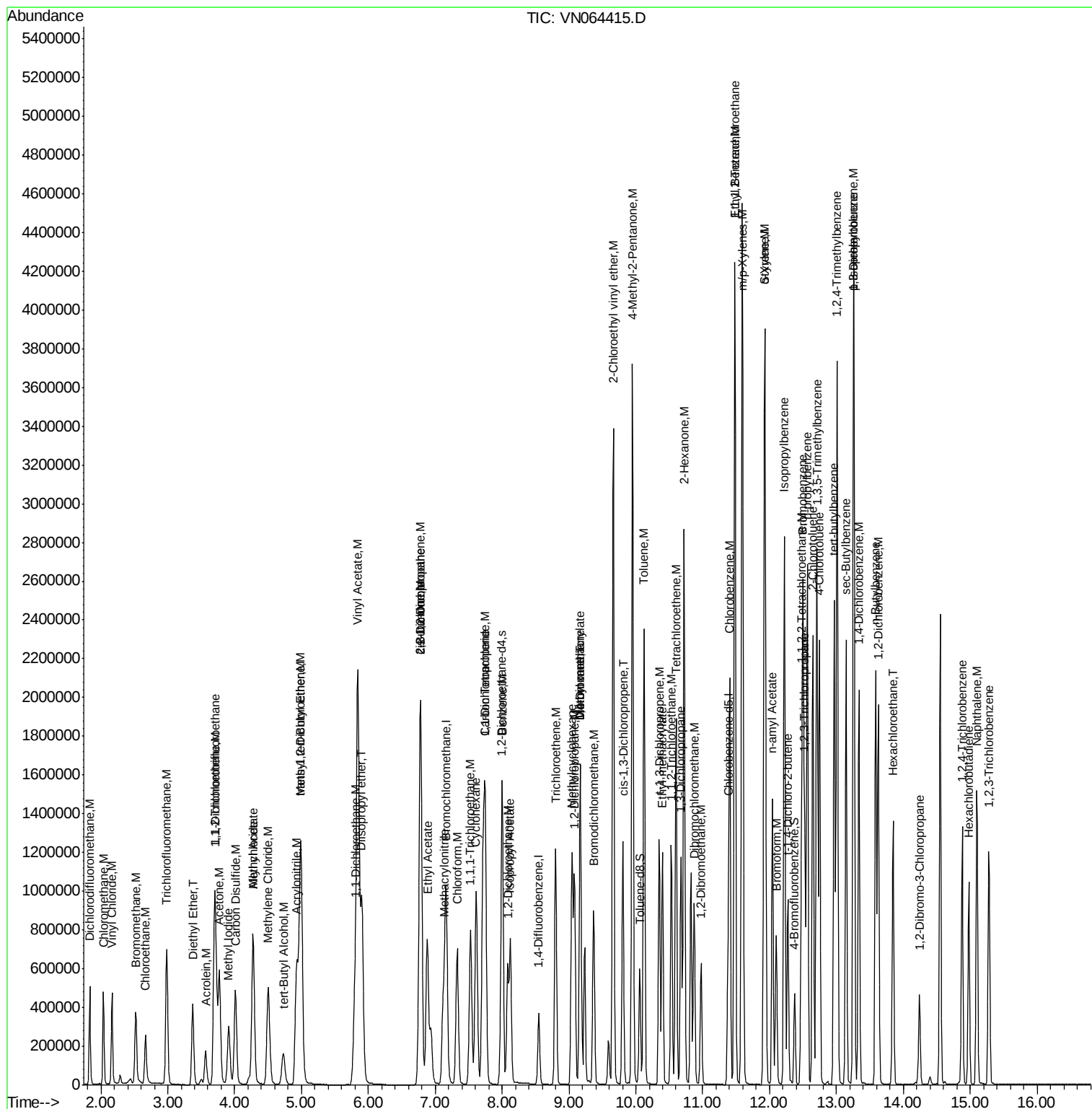
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064415.D
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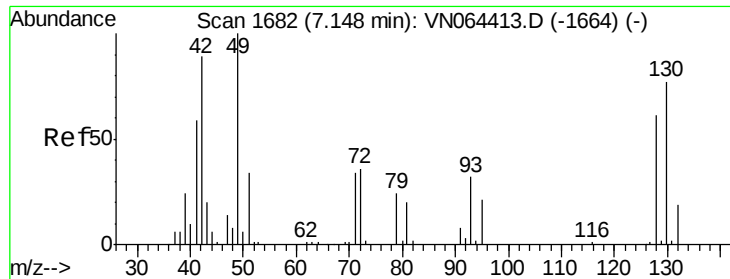
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

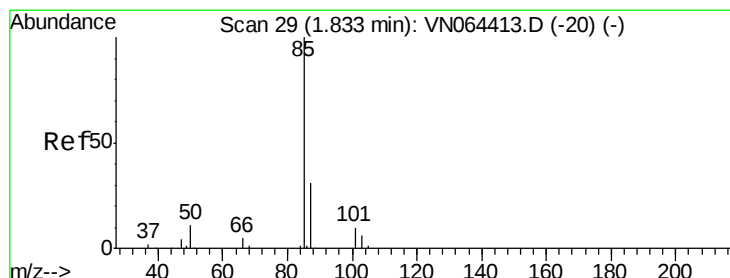
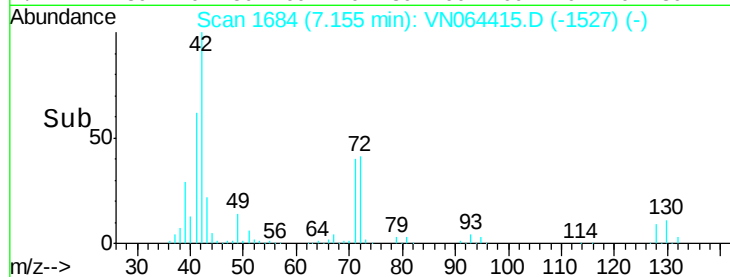
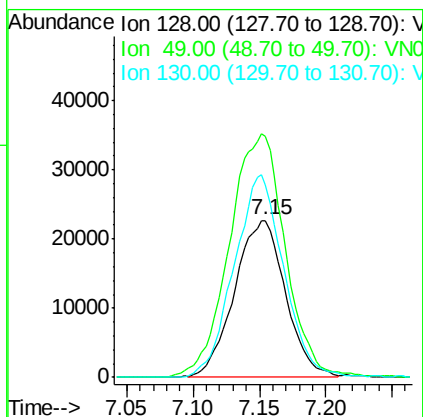
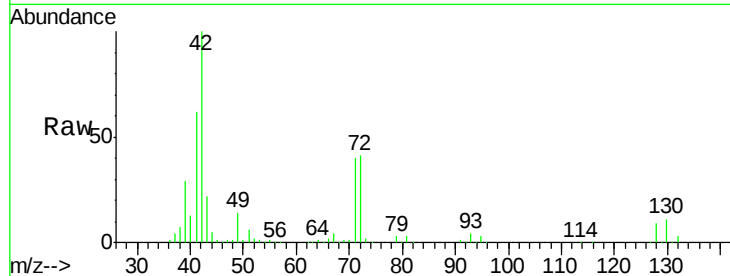
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	60657
Ion	Ratio	Lower	Upper
128	100		
49	169.9	0.0	423.5
130	125.4	0.0	325.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 81.053 ug/l

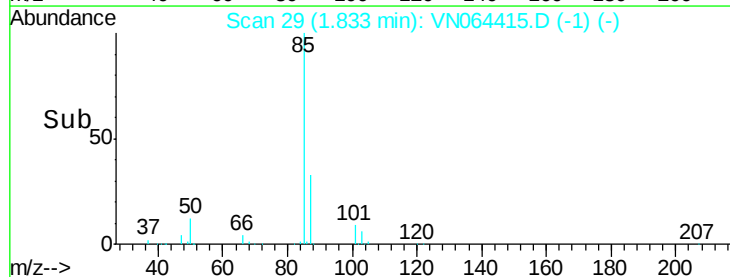
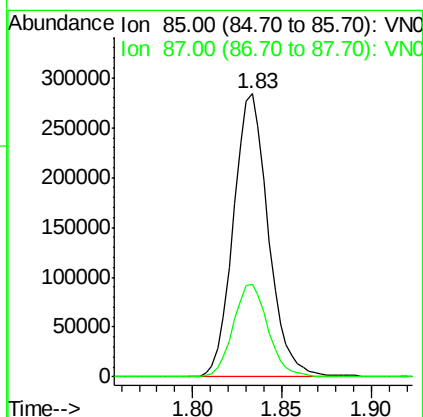
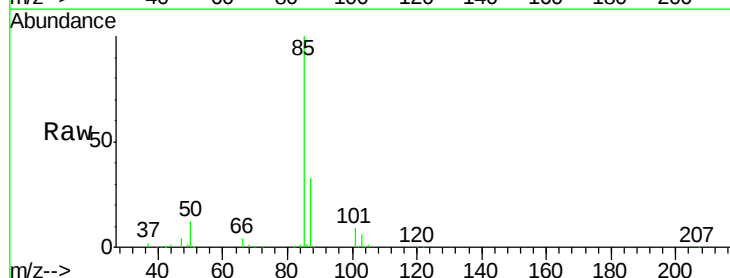
RT: 1.83 min Scan# 29

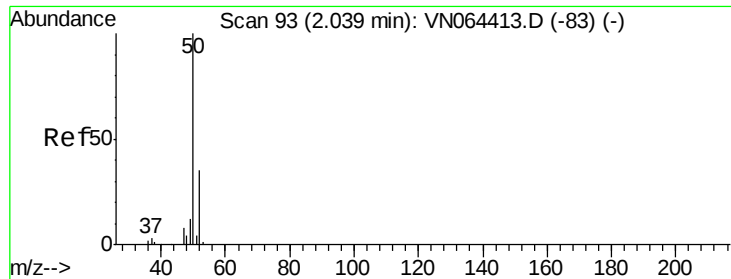
Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Tgt Ion:	85	Resp:	386492
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.1





#3

Chloromethane

Concen: 90.653 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 410626

Ion Ratio Lower Upper

50 100

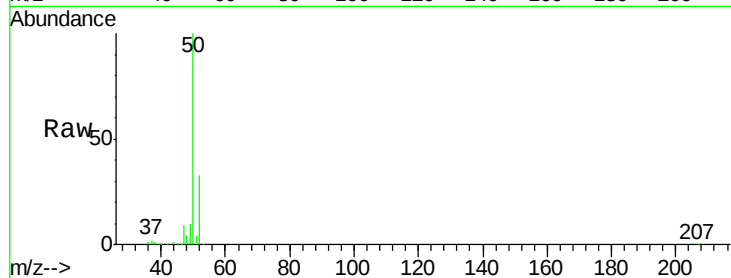
52 32.9 27.7 41.5

Manual Integrations

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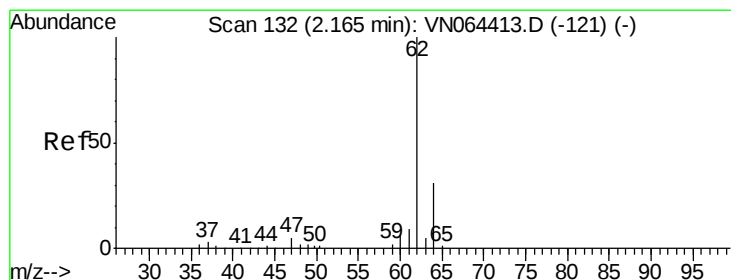
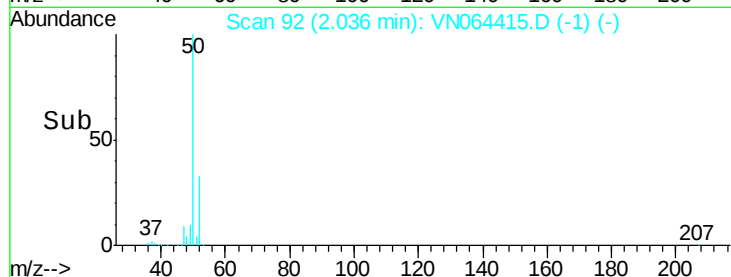
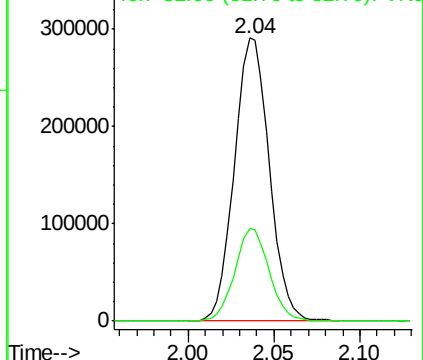
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 93.759 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064415.D

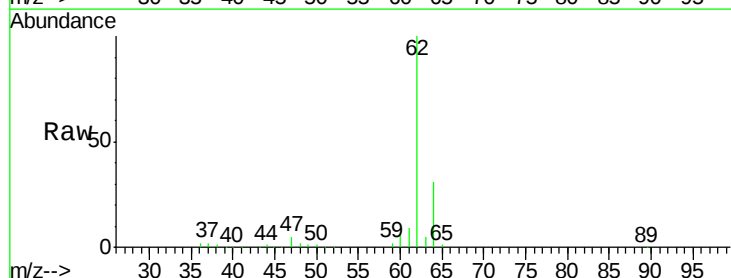
Acq: 2 Nov 2020 15:01

Tgt Ion: 62 Resp: 417590

Ion Ratio Lower Upper

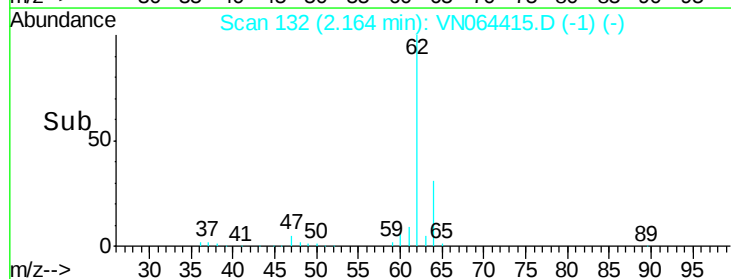
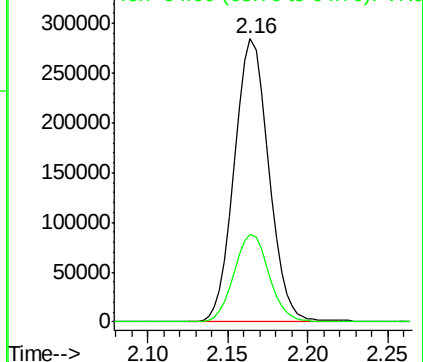
62 100

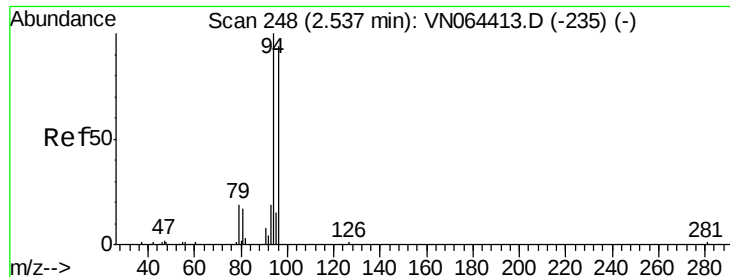
64 31.0 24.5 36.7



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 95.978 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 265813

Ion Ratio Lower Upper

94 100

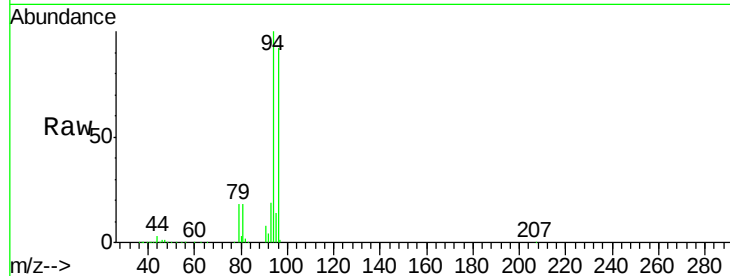
96 92.4 75.2 112.8

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

150000

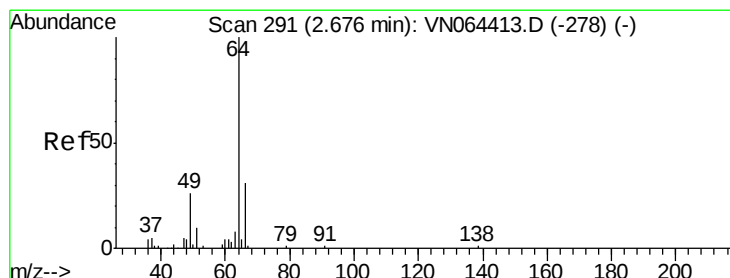
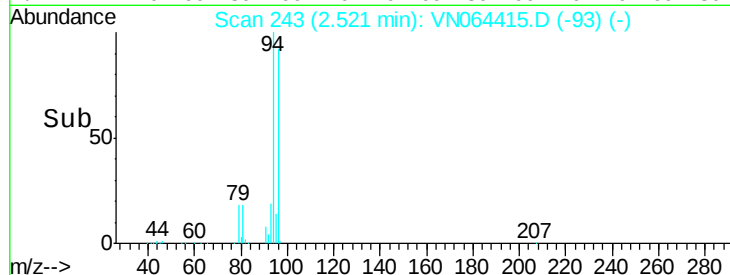
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50000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 98.319 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064415.D

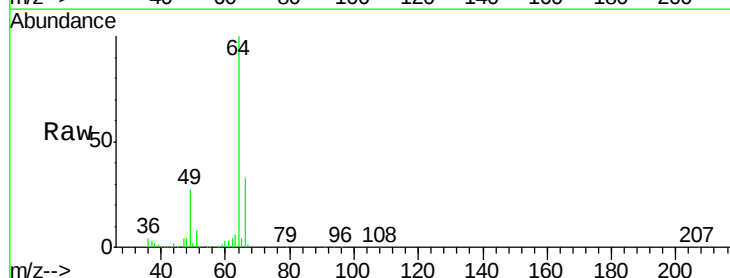
Acq: 2 Nov 2020 15:01

Tgt Ion: 64 Resp: 247055

Ion Ratio Lower Upper

64 100

66 32.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

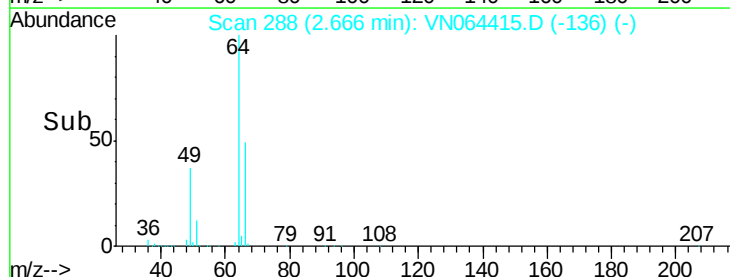
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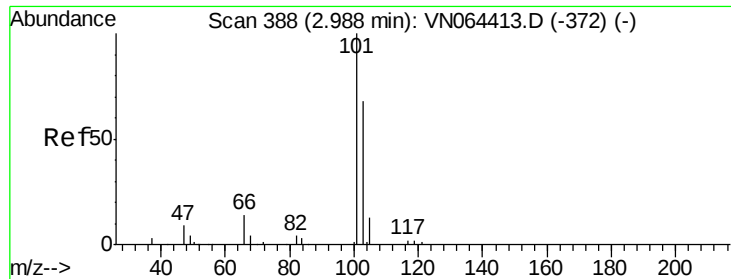
50000

0

2.60 2.70 2.80

Time-->





#7

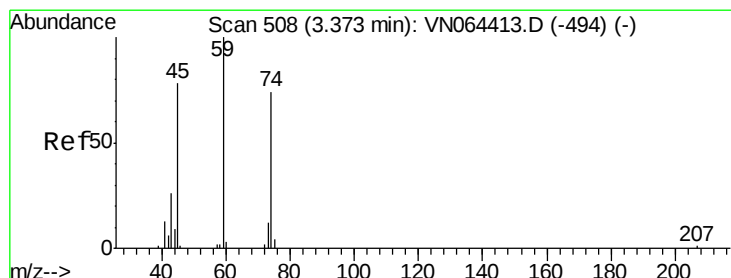
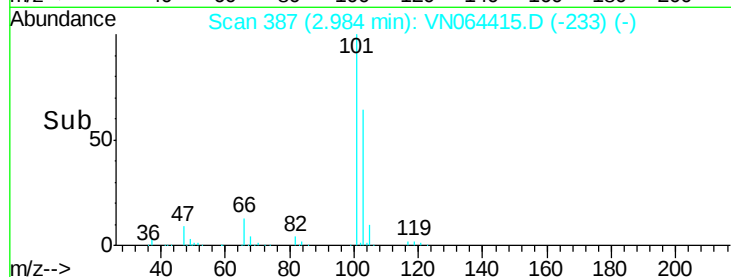
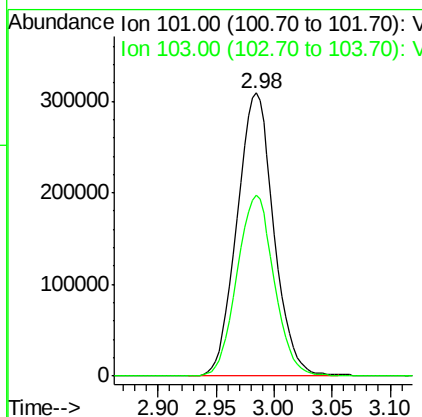
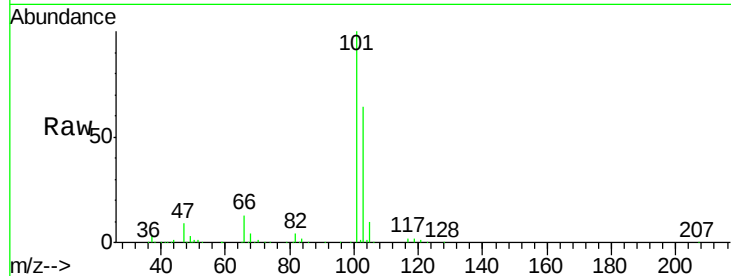
Trichlorofluoromethane
Concen: 97.802 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	54.6	81.8

Manual Integrations
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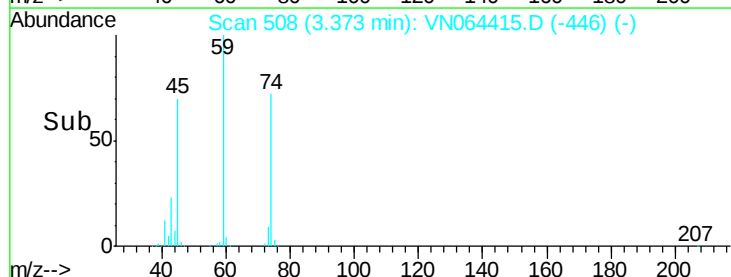
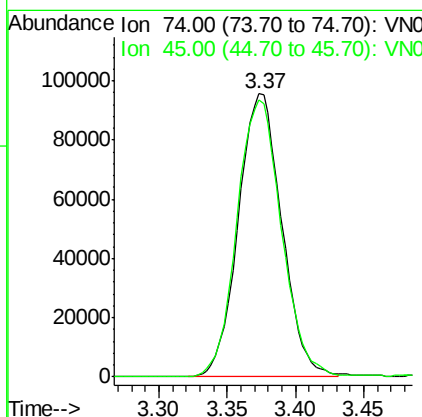
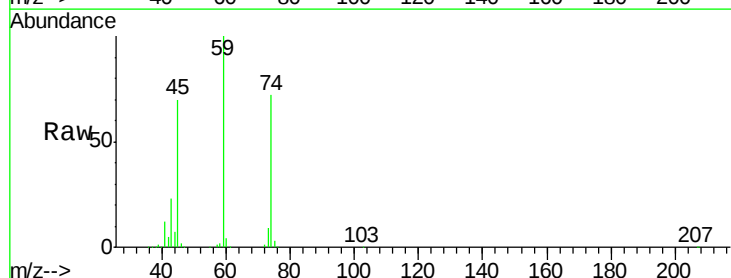
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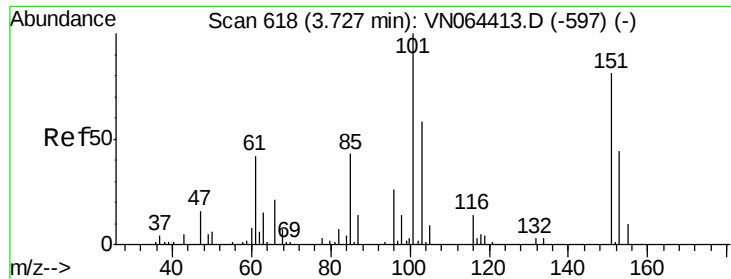


#8

Diethyl Ether
Concen: 96.556 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064415.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	21.2	190.6





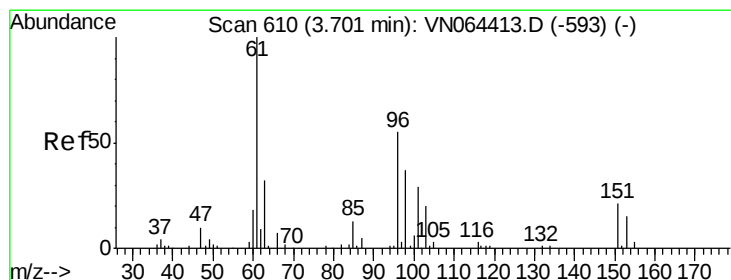
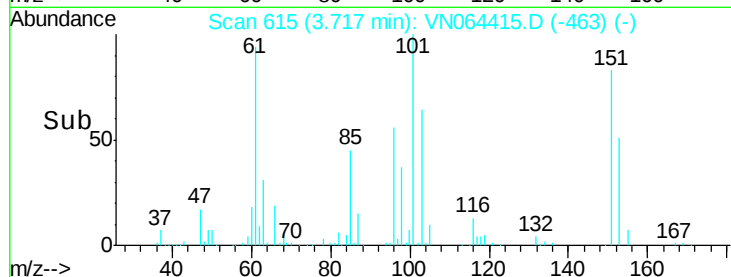
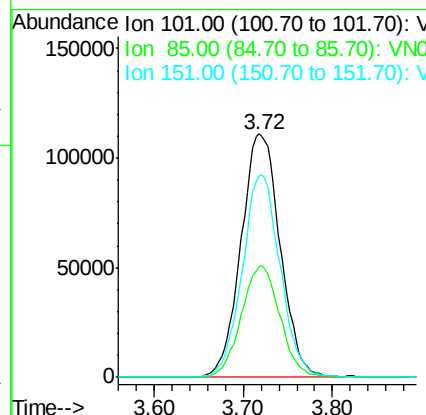
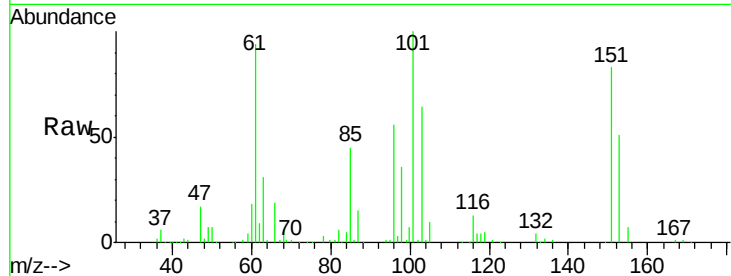
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 95.712 ug/l
 RT: 3.72 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	339382		
85	45.0	0.0	89.6	
151	80.6	0.0	158.8	

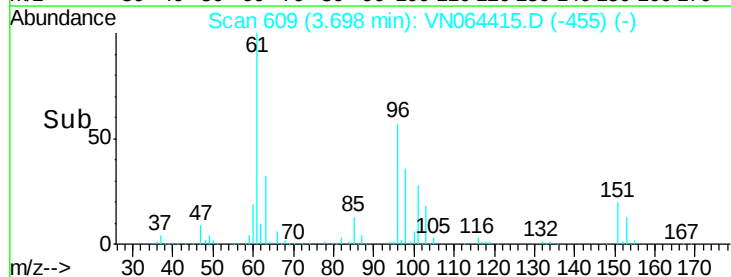
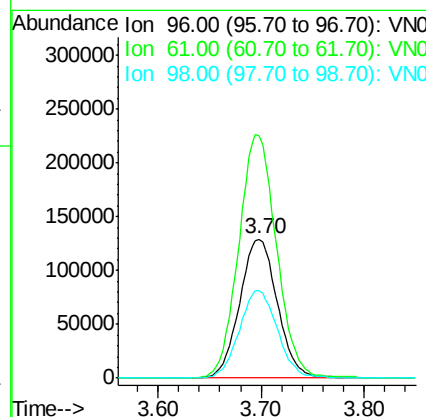
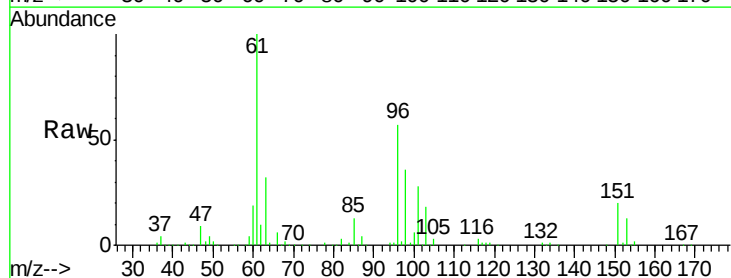
Manual Integrations
 APPROVED

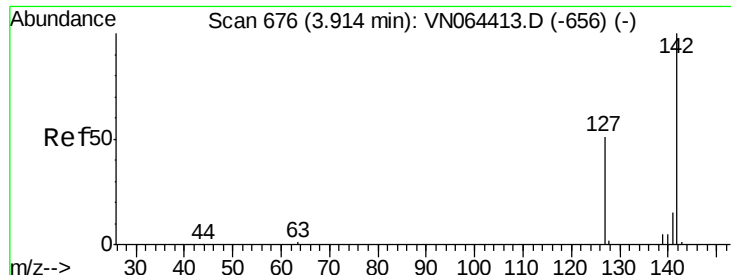
MMDadoda
 11/3/2020 2:20:48 PM



#10
 1,1-Dichloroethene
 Concen: 97.421 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	328726		
61	174.0	145.6	218.4	
98	63.1	53.9	80.9	





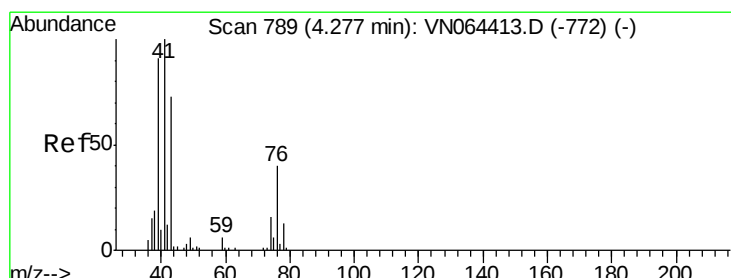
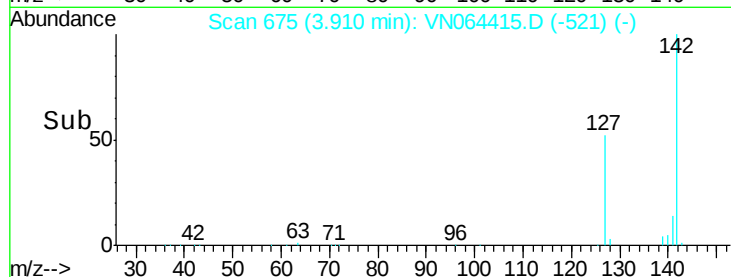
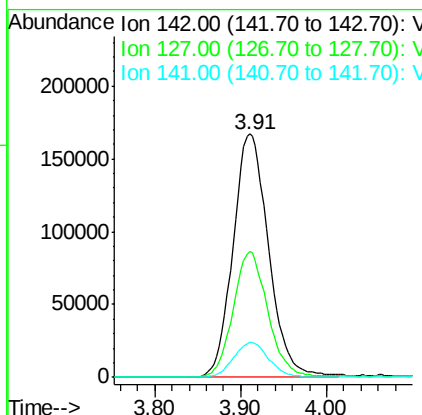
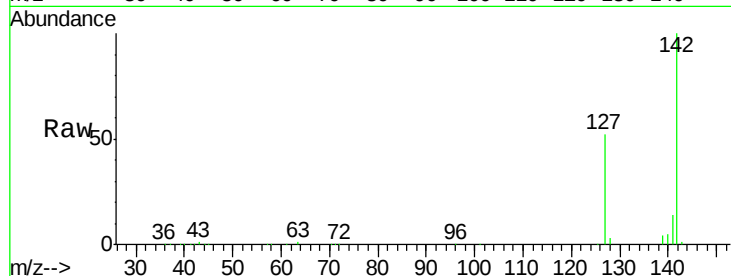
#11
Methyl Iodide
Concen: 100.375 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.7	25.4	76.2
141	14.4	7.8	23.3

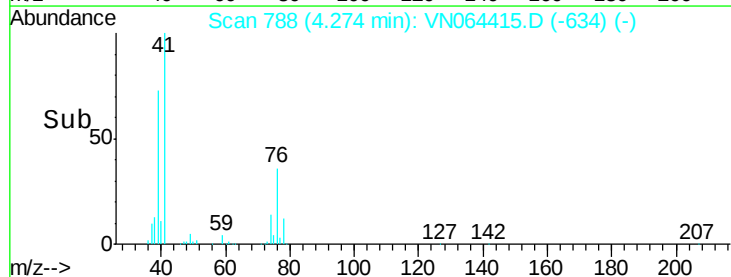
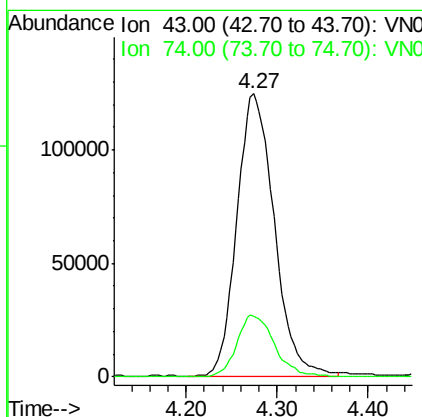
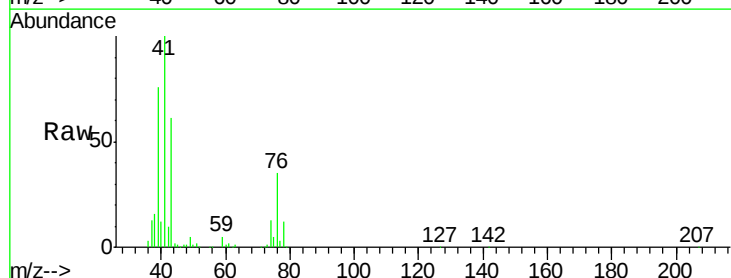
Manual Integrations
APPROVED

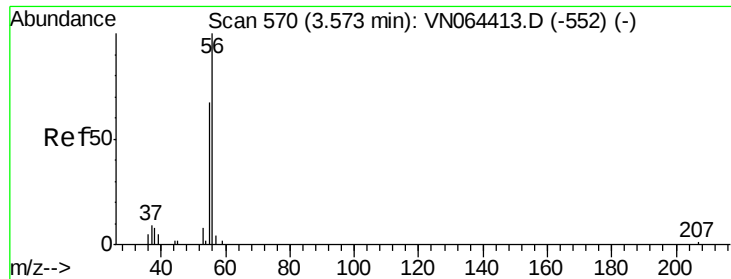
MMDadoda
11/3/2020 2:20:48 PM



#12
Methyl Acetate
Concen: 89.619 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.1	25.7





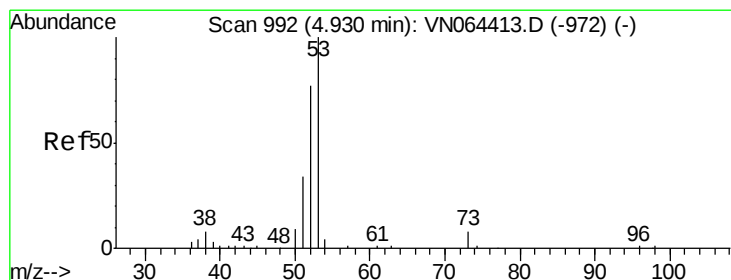
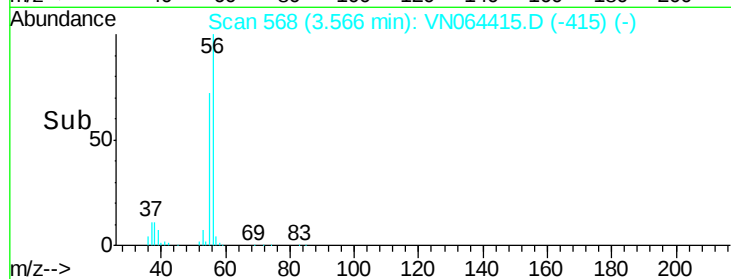
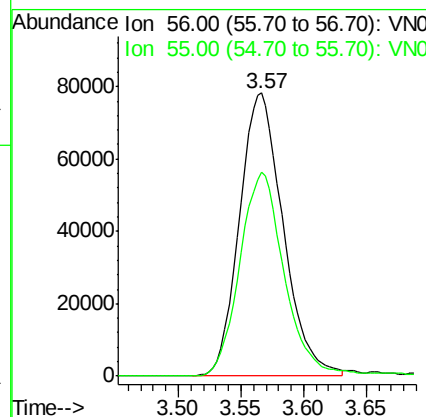
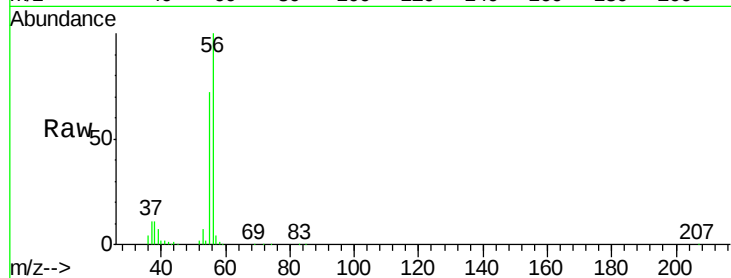
#13
Acrolein
Concen: 650.646 ug/l
RT: 3.57 min Scan# 568
Delta R.T. -0.01 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.0	52.5	78.7	

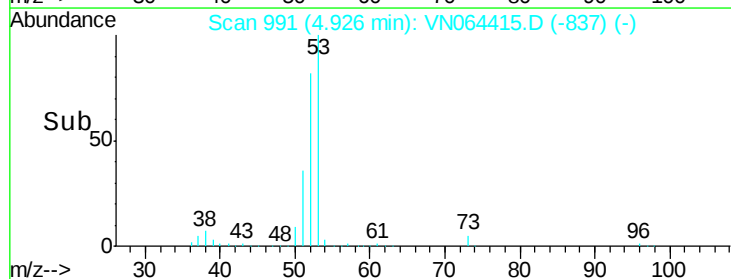
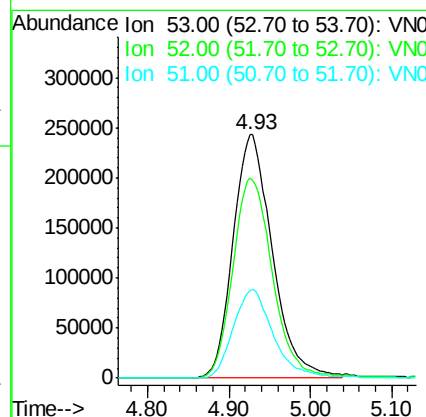
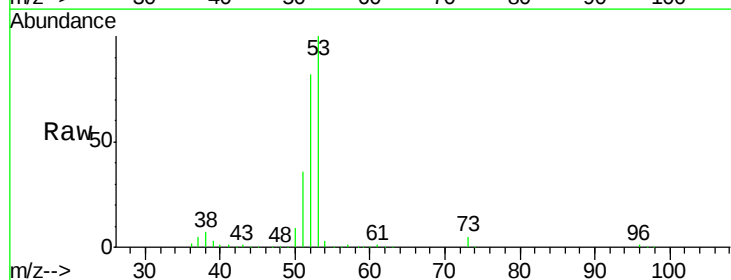
Manual Integrations
APPROVED

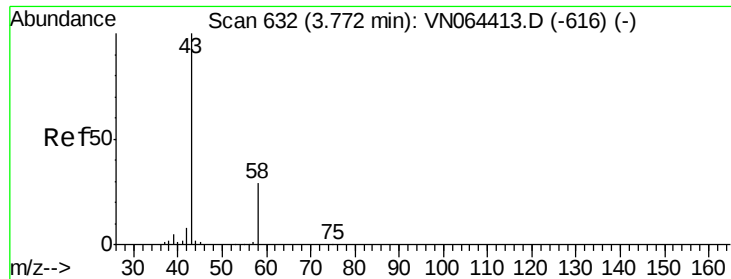
MMDadoda
11/3/2020 2:20:48 PM



#14
Acrylonitrile
Concen: 471.702 ug/l
RT: 4.93 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.5	41.1	123.3	
51	37.0	17.8	53.3	





#15

Acetone

Concen: 500.539 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 259982

Ion Ratio Lower Upper

58 100

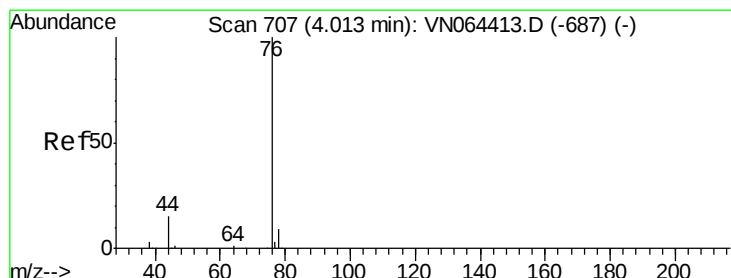
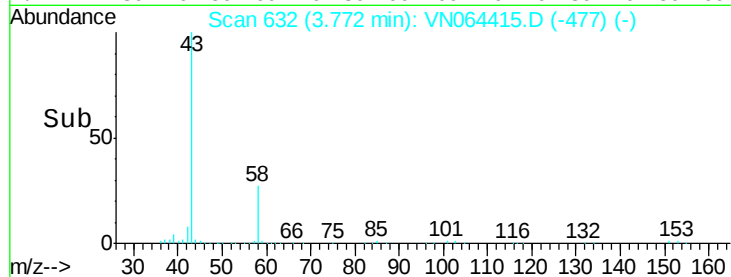
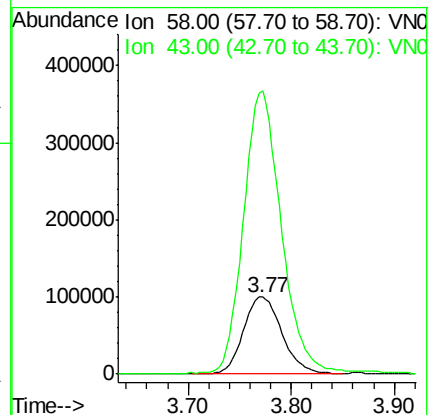
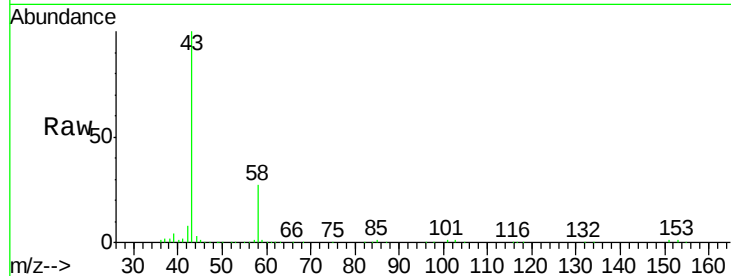
43 365.7 276.1 414.1

Manual Integrations

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#16

Carbon Disulfide

Concen: 94.710 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064415.D

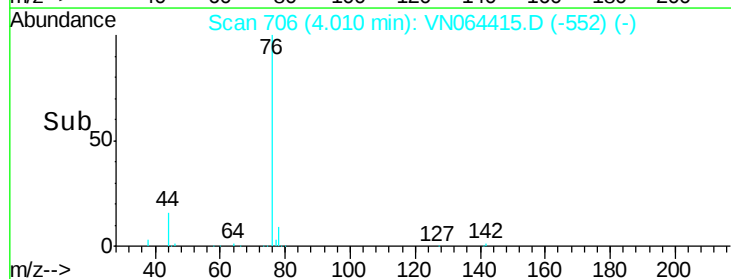
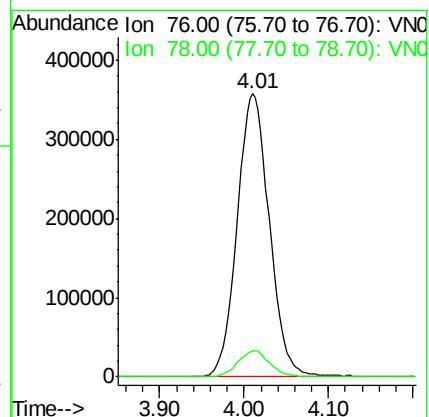
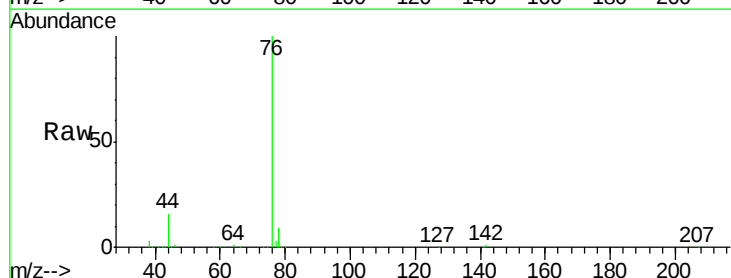
Acq: 2 Nov 2020 15:01

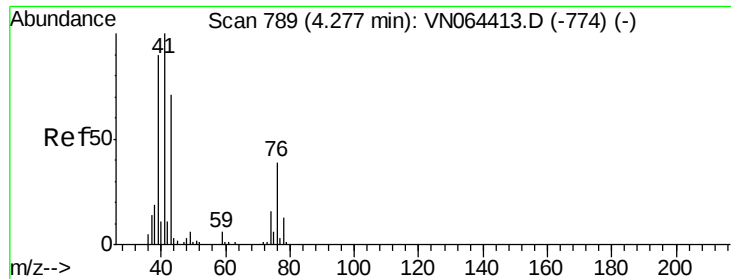
Tgt Ion: 76 Resp: 949933

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





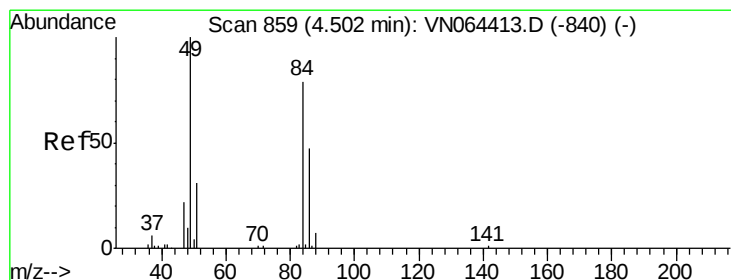
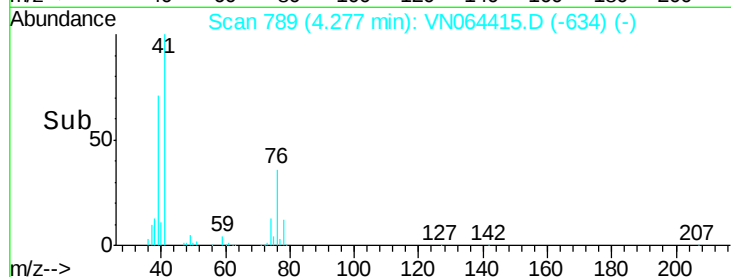
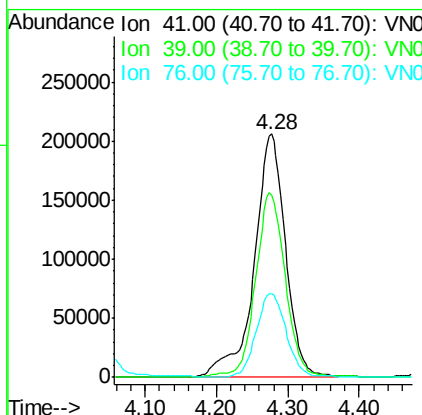
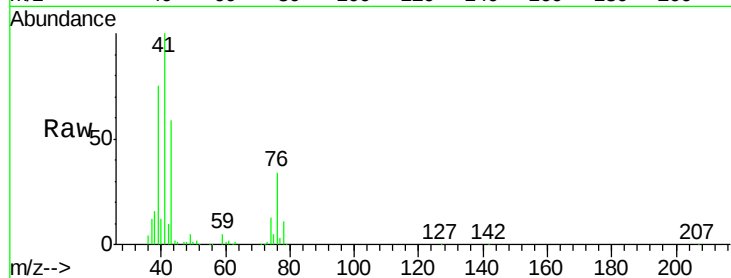
#17
Allvl chloride
Concen: 98.418 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.7	42.3	126.8
76	34.2	18.6	55.8

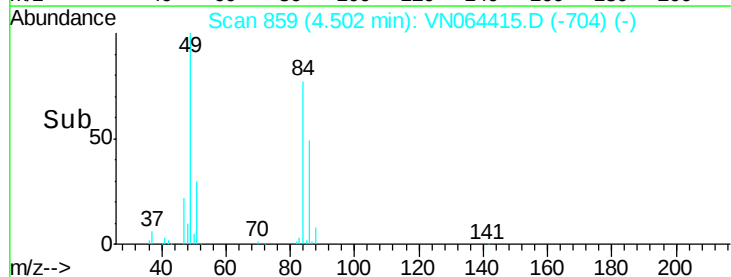
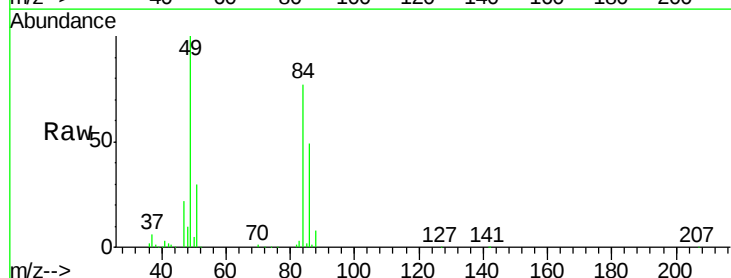
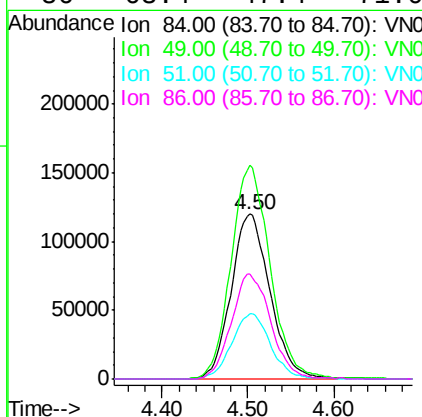
Manual Integrations
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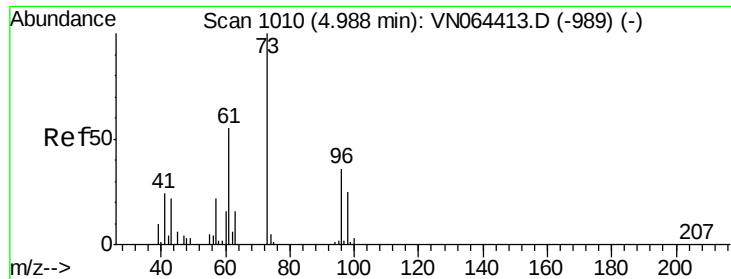
MMDadoda
11/3/2020 2:20:48 PM



#18
Methylene Chloride
Concen: 97.565 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.1	101.0	151.4
51	39.4	31.2	46.8
86	63.4	47.4	71.0





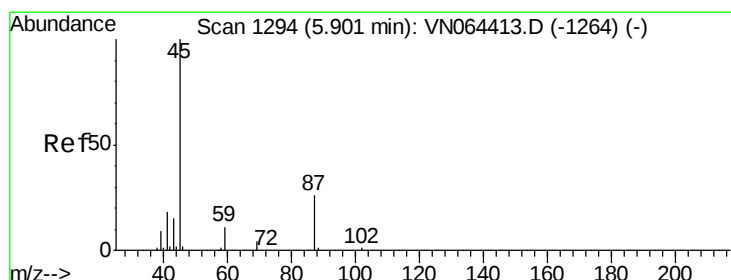
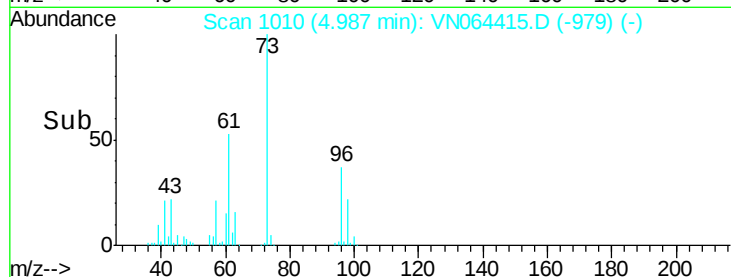
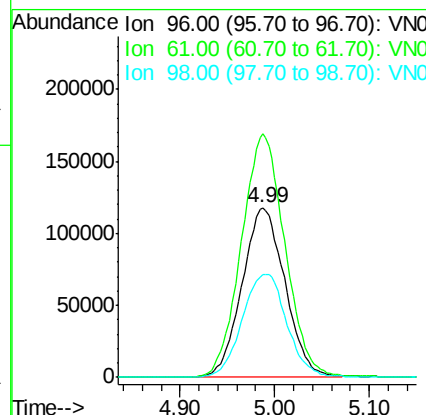
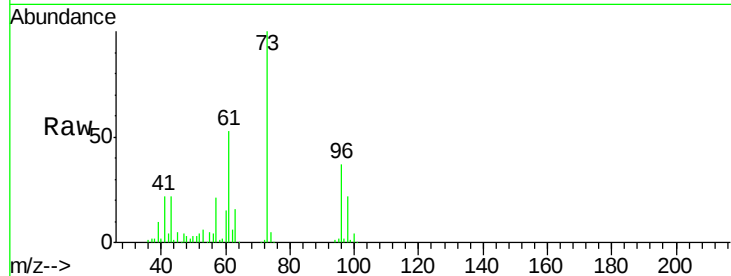
#19
trans-1,2-Dichloroethene
Concen: 99.851 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.2	121.4	182.0
98	60.2	55.5	83.3

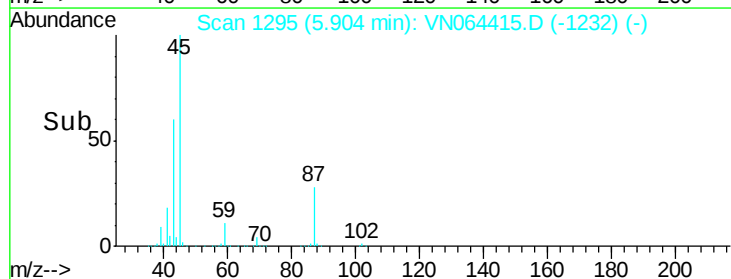
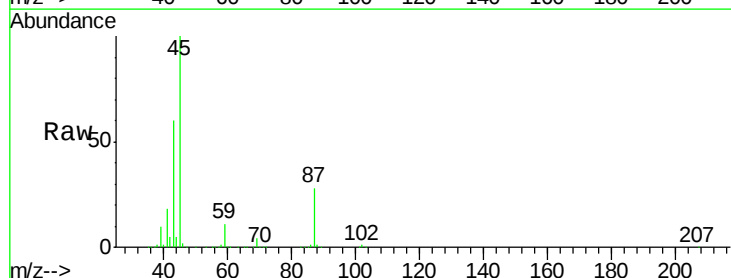
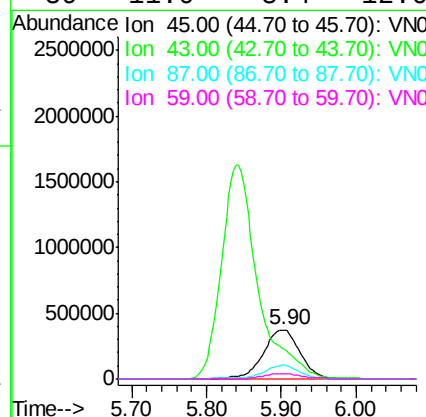
Manual Integrations
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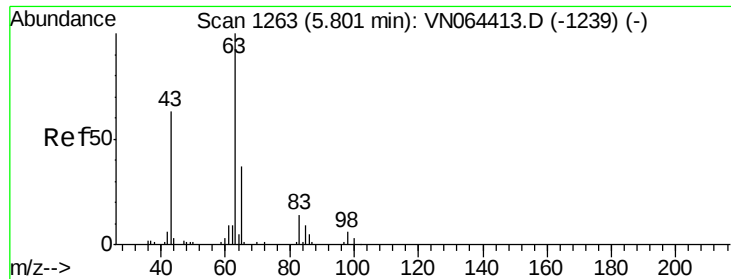
MMDadoda
11/3/2020 2:20:48 PM



#20
Diisopropyl ether
Concen: 98.890 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	49.6	74.4
87	27.4	21.0	31.6
59	11.0	8.4	12.6





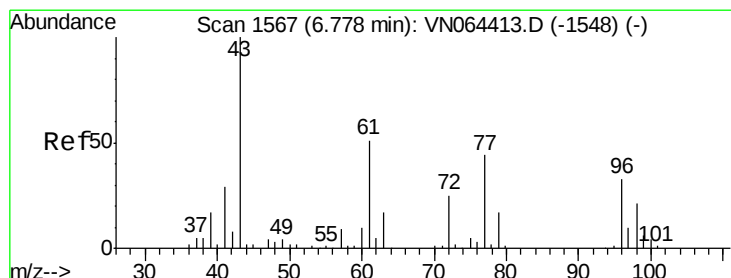
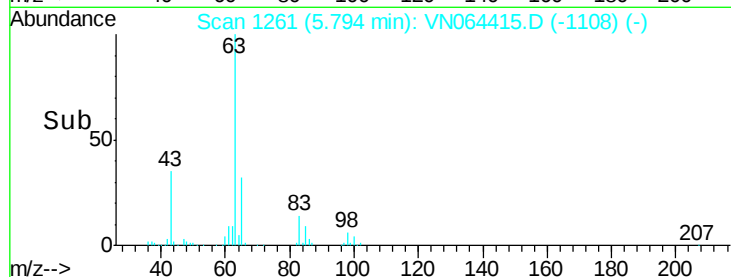
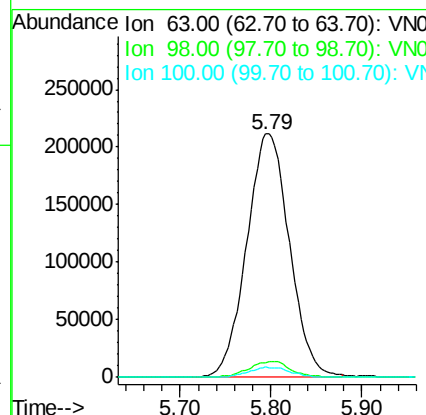
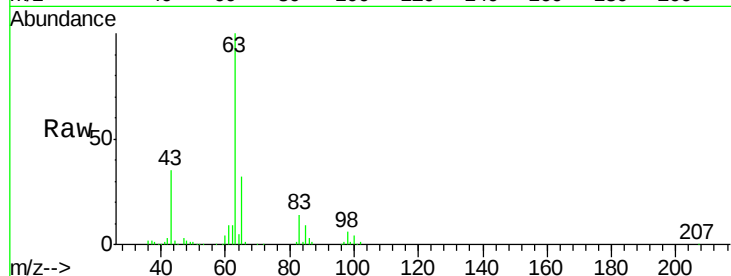
#21
 1,1-Dichloroethane
 Concen: 94.805 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.2	2.9	8.8
100	4.2	1.5	4.5

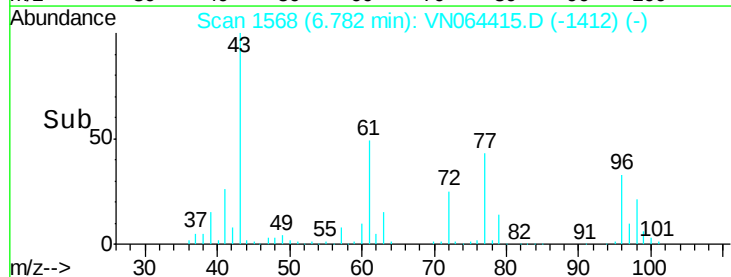
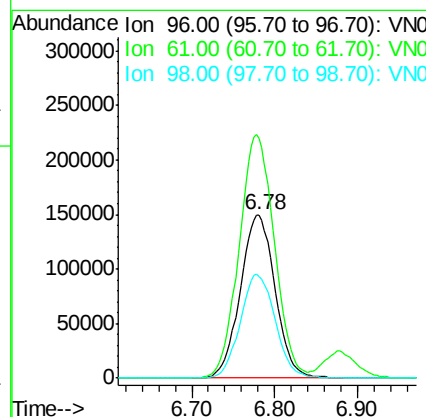
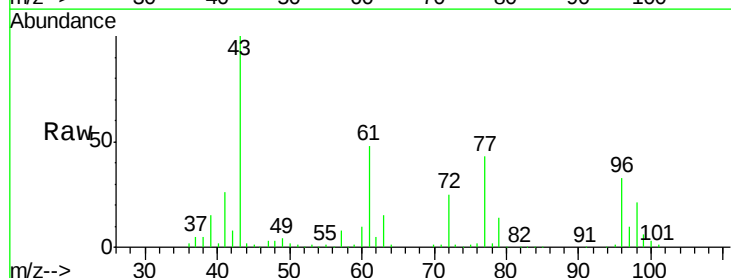
Manual Integrations
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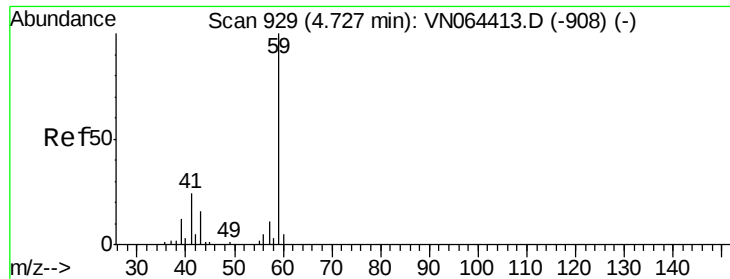
MMDadoda
 11/3/2020 2:20:48 PM



#22
 cis-1,2-Dichloroethene
 Concen: 102.041 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	151.0	122.3	183.5
98	63.7	49.6	74.4





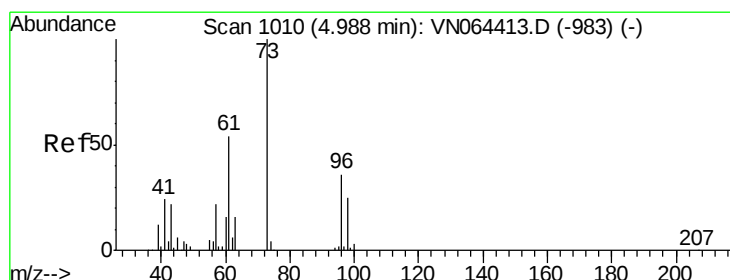
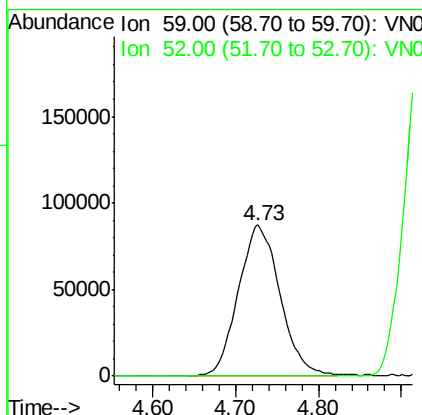
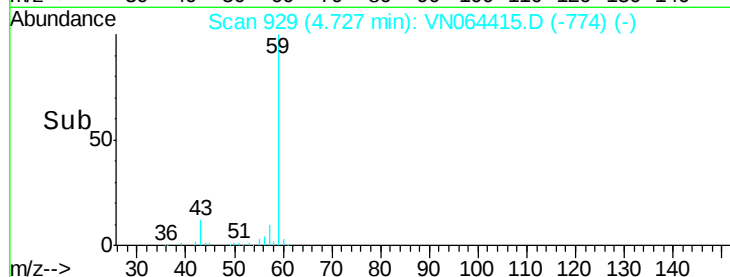
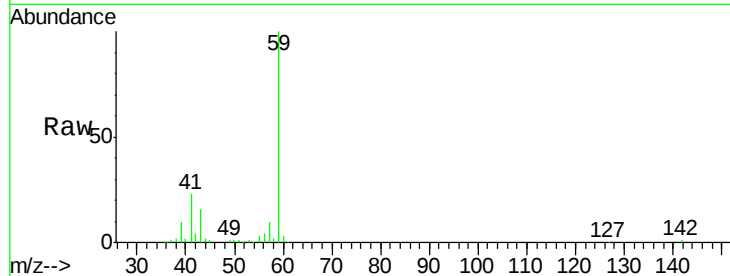
#23
tert-Butyl Alcohol
Concen: 395.781 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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

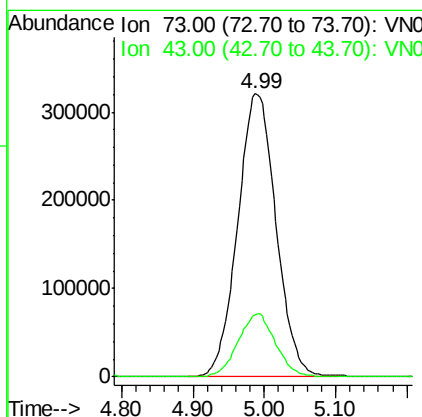
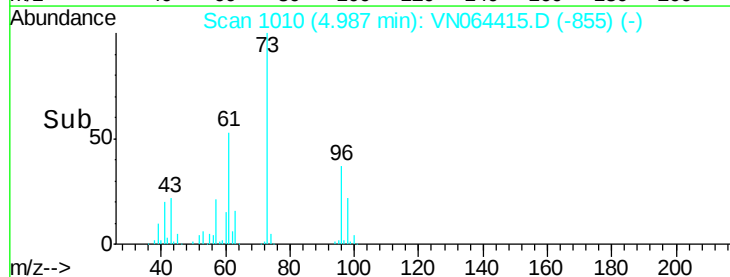
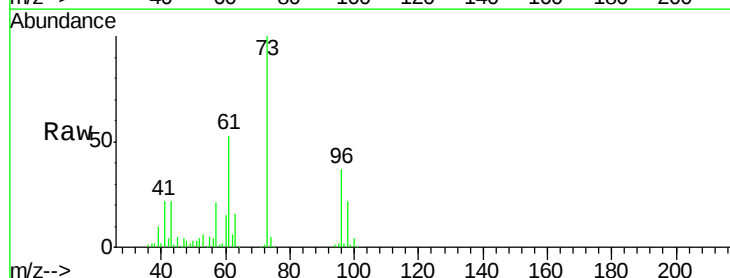
Manual Integrations
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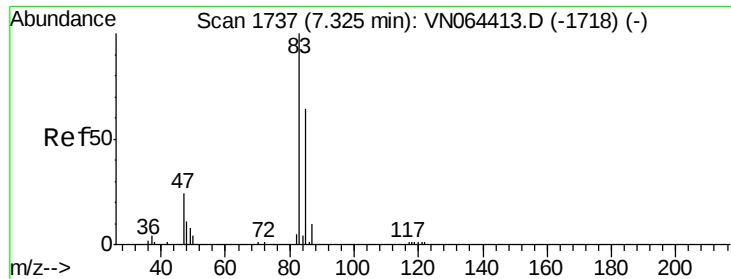
MMDadoda
11/3/2020 2:20:48 PM



#24
Methyl tert-Butyl Ether
Concen: 94.761 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.4	6.8	10.2#





#25

Chloroform

Concen: 97.900 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 740611

Ion Ratio Lower Upper

83 100

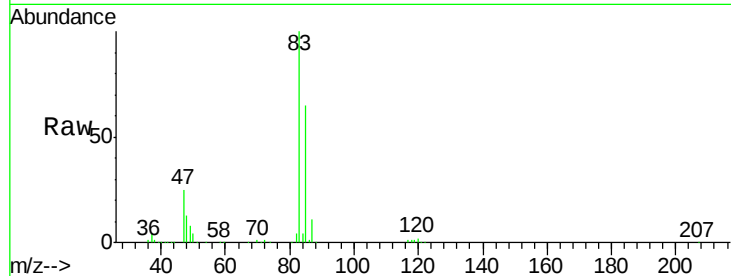
85 65.0 51.0 76.4

Manual Integrations

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MMDadoda

11/3/2020 2:20:48 PM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.33

300000

250000

200000

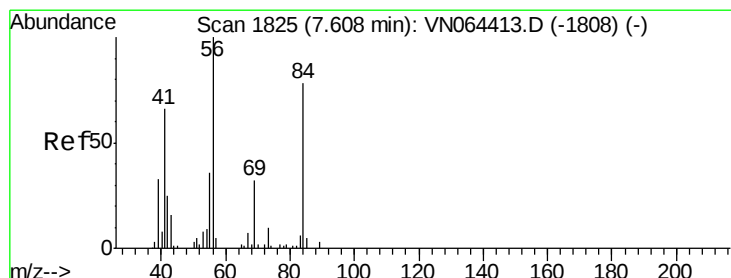
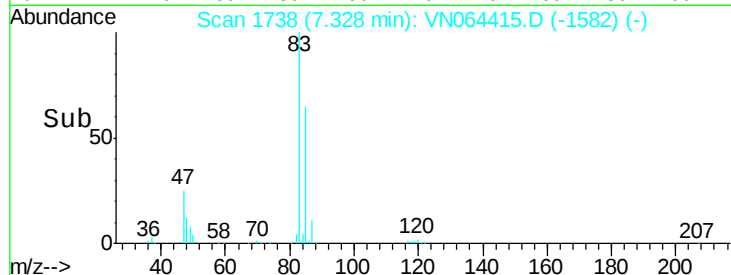
150000

100000

50000

0

Time-->



#26

Cyclohexane

Concen: 96.046 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

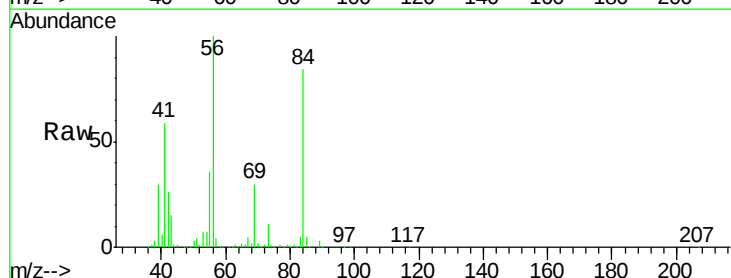
Tgt Ion: 56 Resp: 569474

Ion Ratio Lower Upper

56 100

89 3.0 2.3 3.5

84 84.3 69.4 104.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

7.61

400000

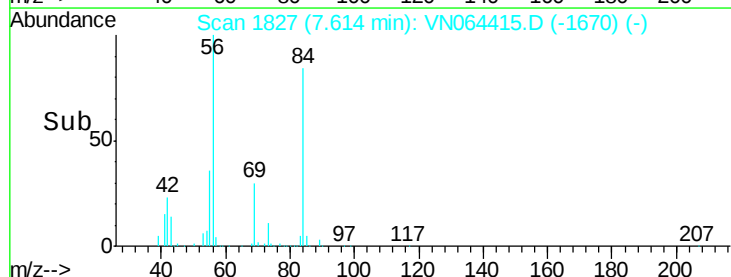
300000

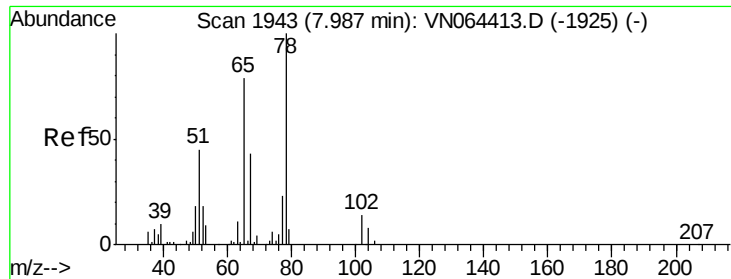
200000

100000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 26.829 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 143852

Ion Ratio Lower Upper

65 100

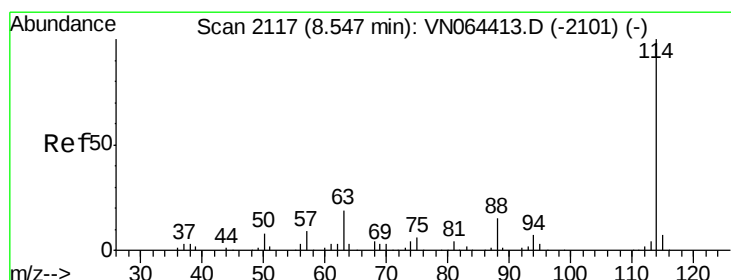
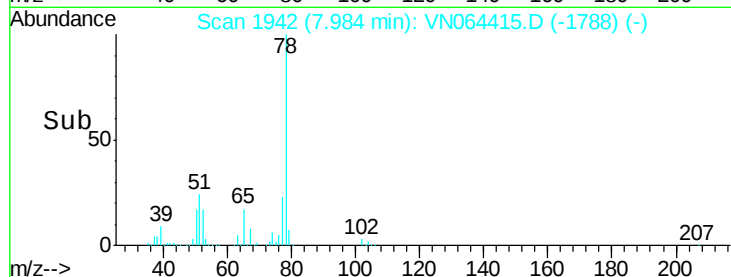
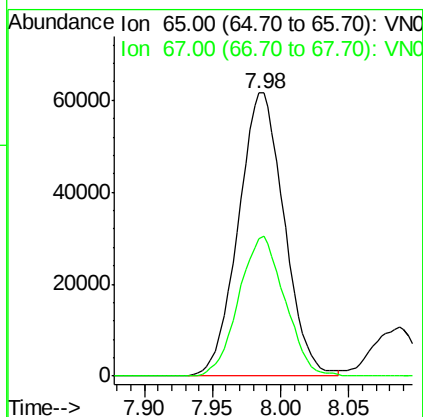
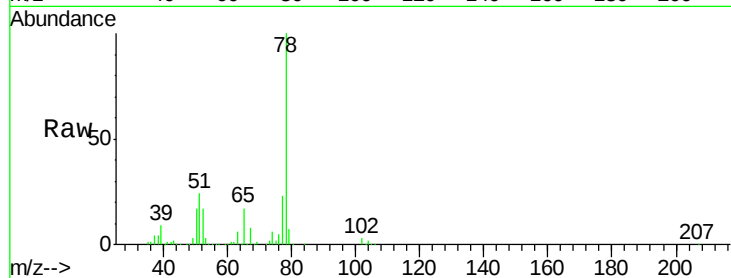
67 49.5 40.6 61.0

Manual Integrations

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

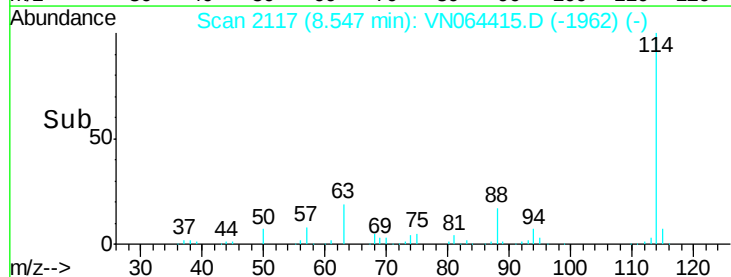
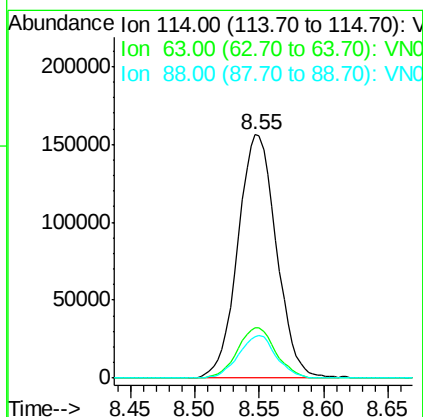
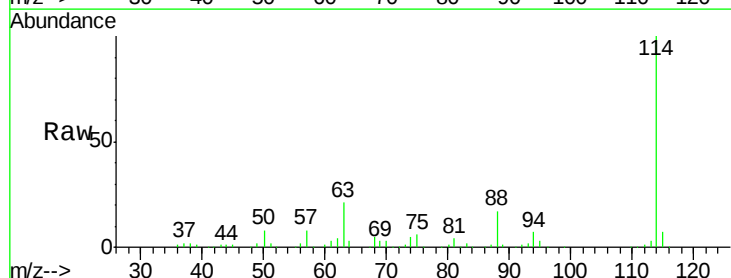
Tgt Ion: 114 Resp: 325166

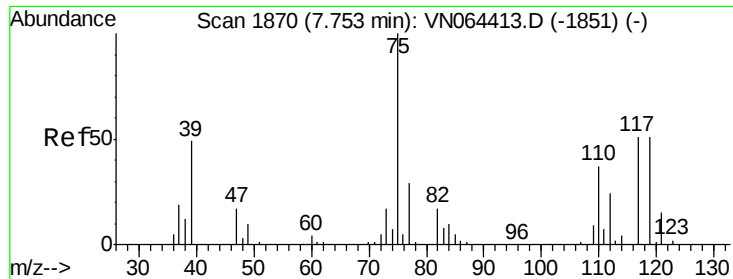
Ion Ratio Lower Upper

114 100

63 20.6 16.2 24.4

88 17.2 12.6 19.0





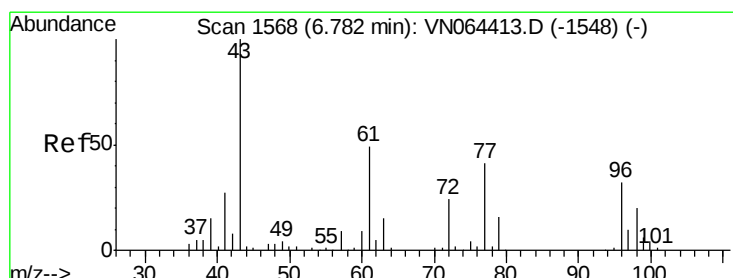
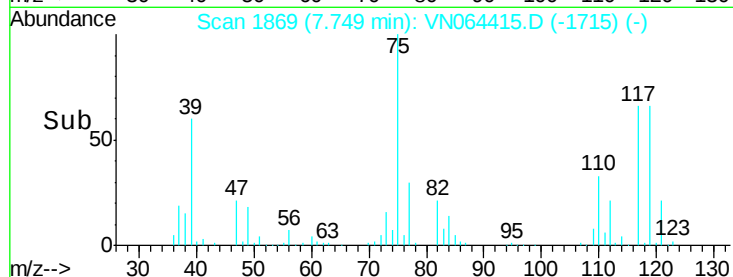
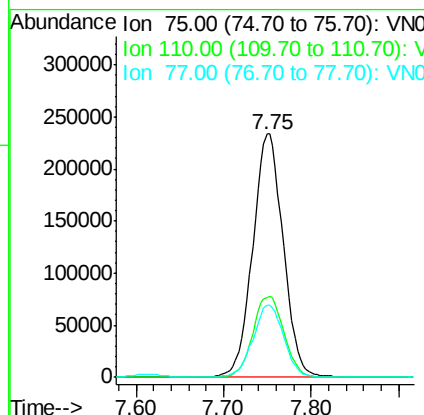
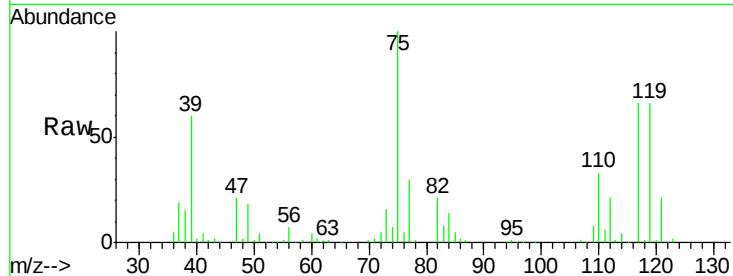
#29
 1,1-Dichloropropene
 Concen: 102.365 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.0	0.0	71.8
77	30.1	0.0	32.4

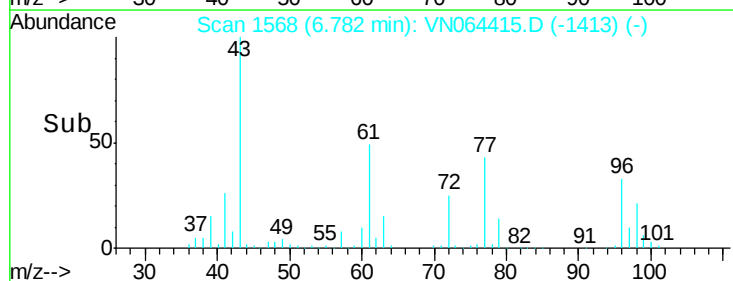
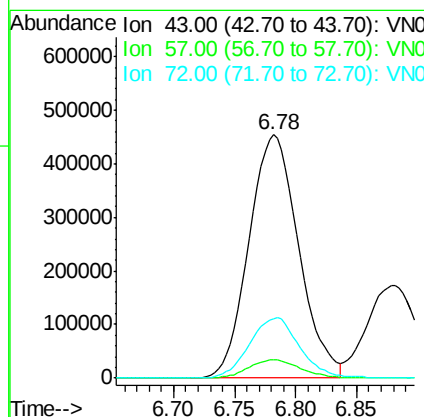
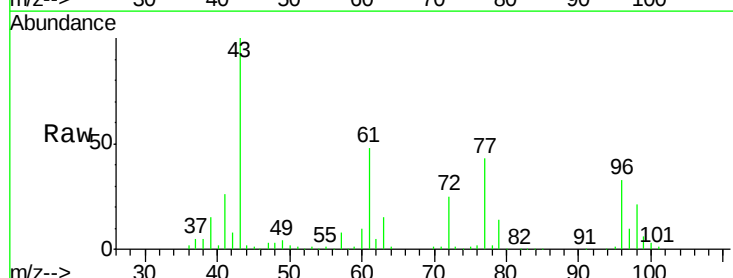
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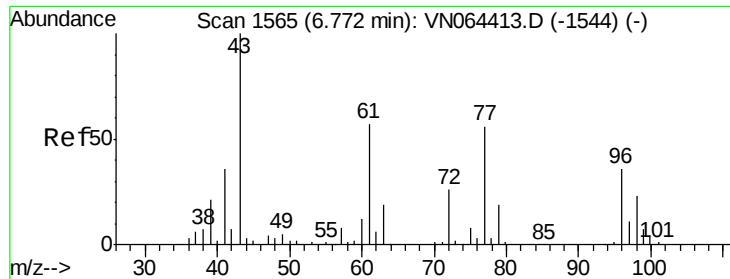
MMDadoda
 11/3/2020 2:20:48 PM



#30
 2-Butanone
 Concen: 489.874 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.6	9.8
72	25.0	20.0	30.0





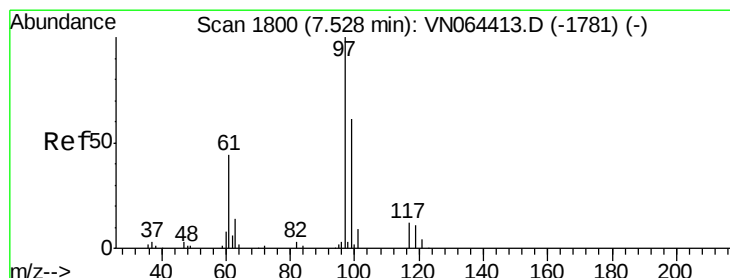
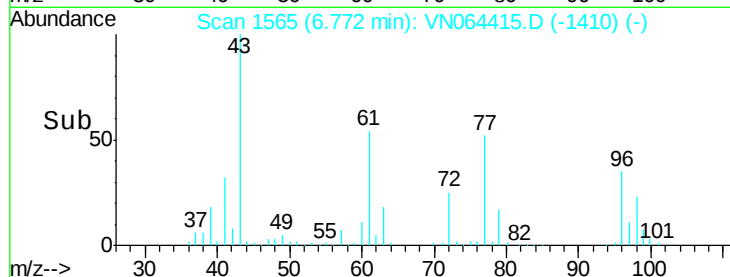
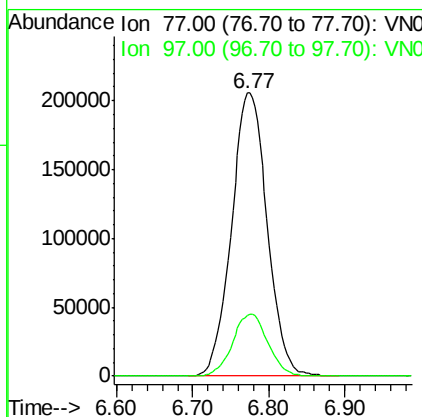
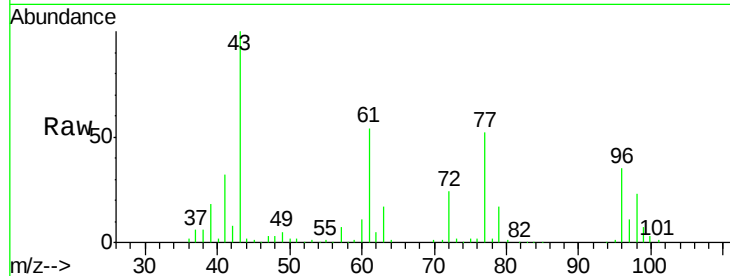
#31
 2,2-Dichloropropane
 Concen: 100.592 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 77 Resp: 668830
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.4 26.0

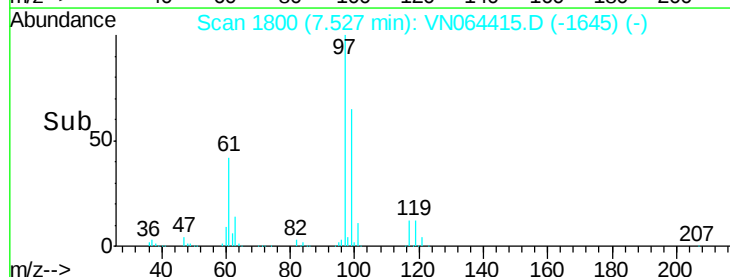
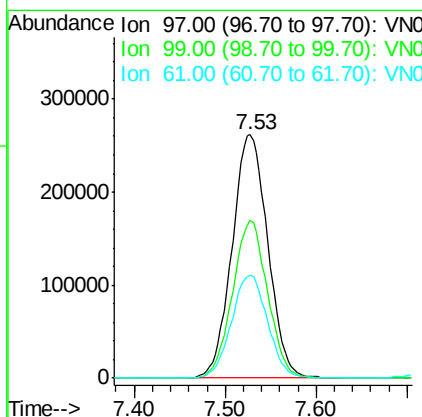
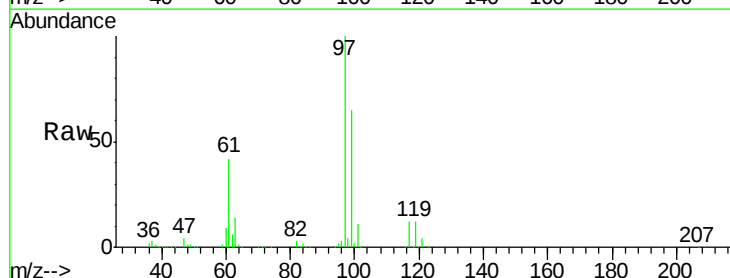
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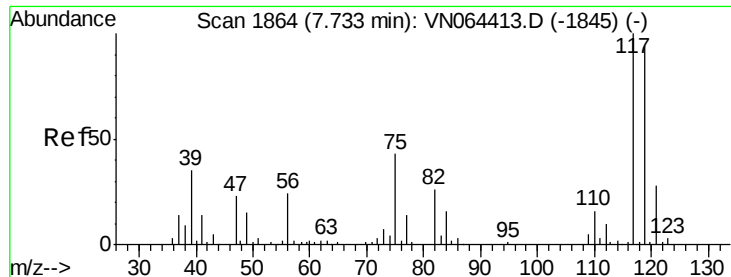
MMDadoda
 11/3/2020 2:20:48 PM



#32
 1,1,1-Trichloroethane
 Concen: 102.249 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion: 97 Resp: 713990
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.8
 61 42.7 34.9 52.3





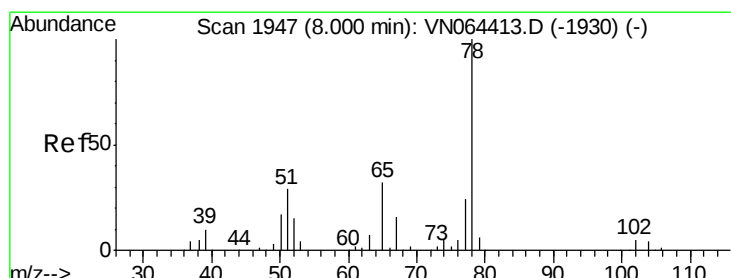
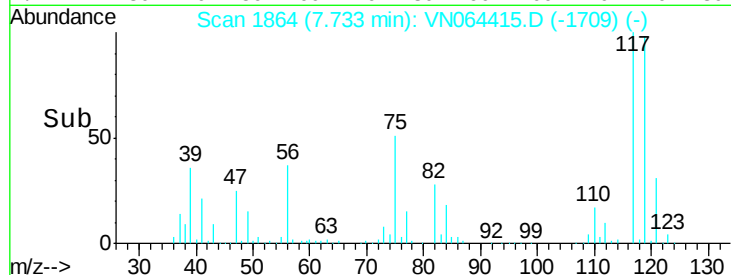
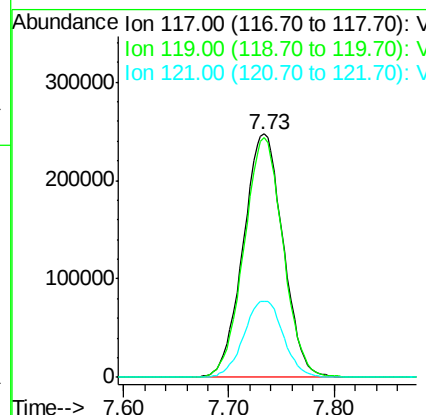
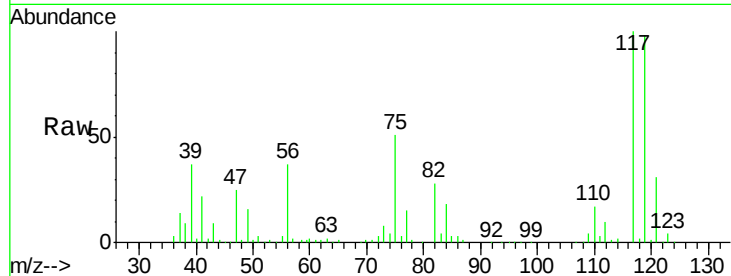
#33
Carbon Tetrachloride
Concen: 101.725 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.4	75.0	112.4
121	31.5	22.1	33.1

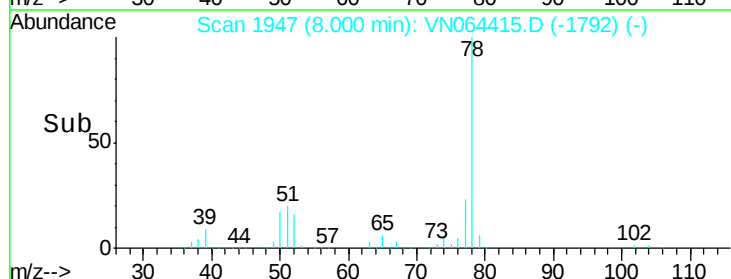
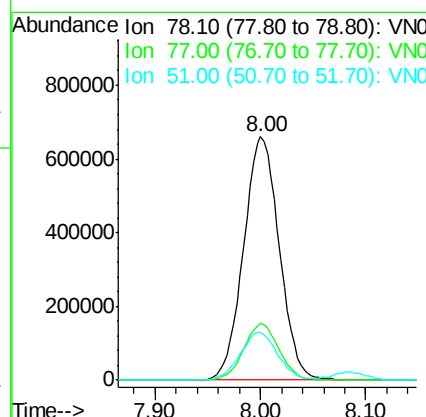
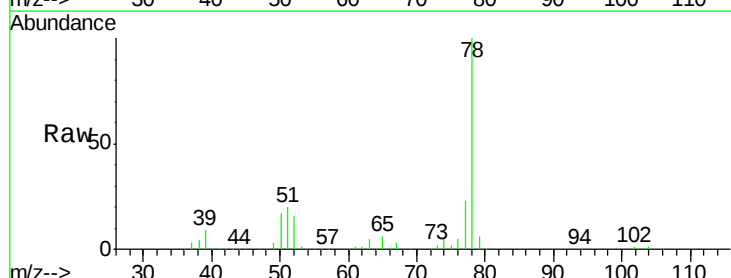
Manual Integrations
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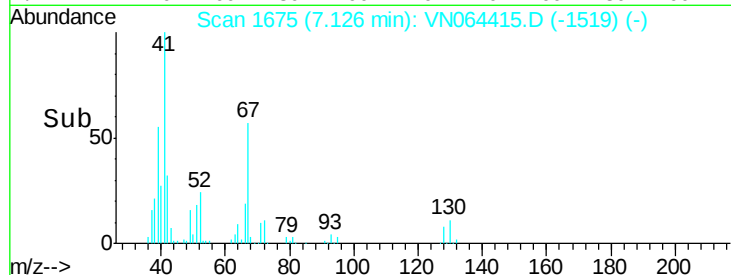
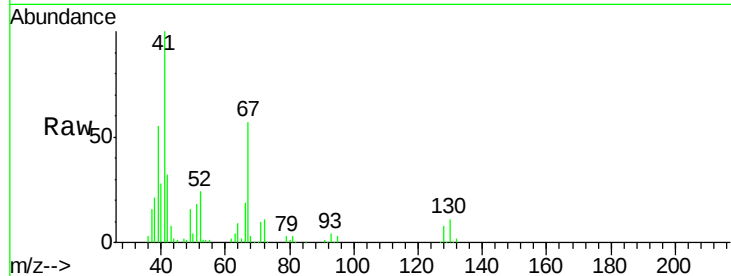
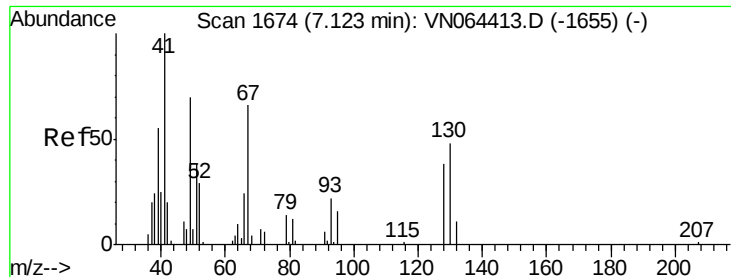
MMDadoda
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#34
Benzene
Concen: 103.779 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4
51	19.5	23.1	34.7#





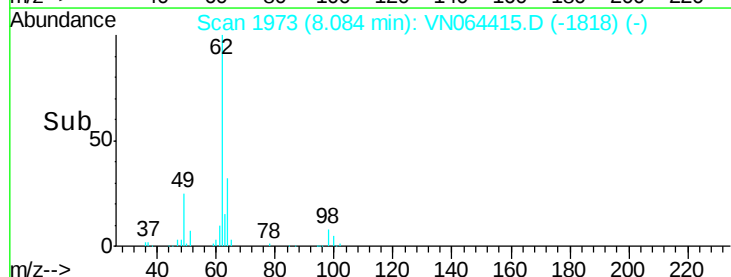
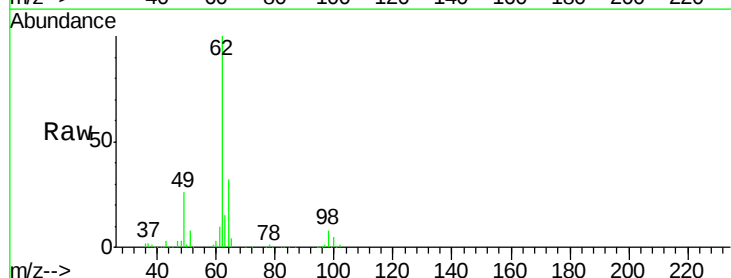
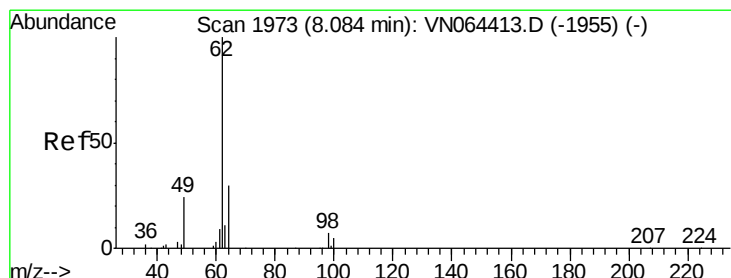
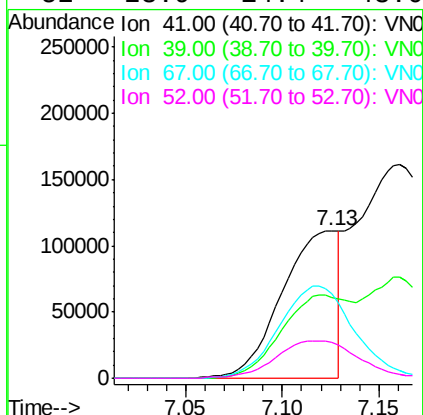
#35
Methacrylonitrile
Concen: 84.363 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		224352		
39	54.6	27.8	83.3		
67	57.3	32.9	98.6		
52	23.9	14.4	43.0		

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

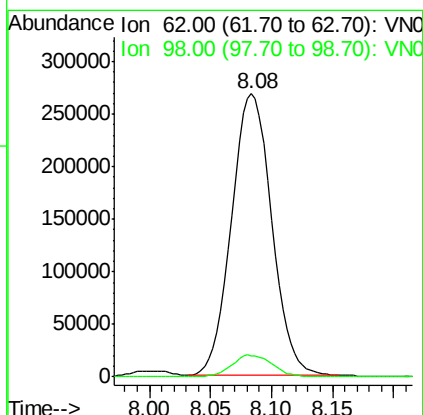
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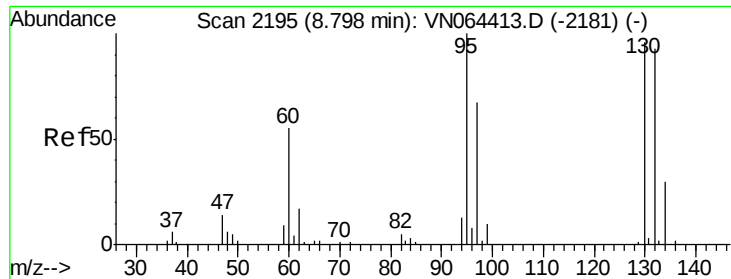
MMDadoda
11/3/2020 2:20:48 PM



#36
1,2-Dichloroethane
Concen: 93.384 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		613248		
98	8.0	6.2	9.2		





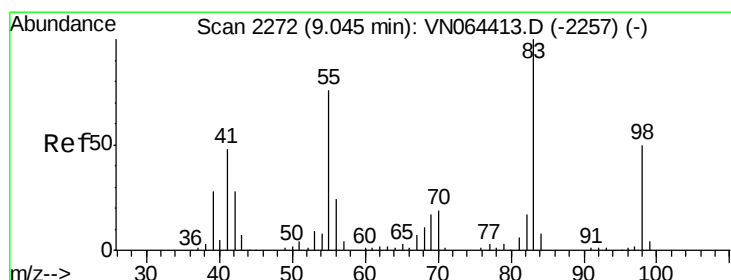
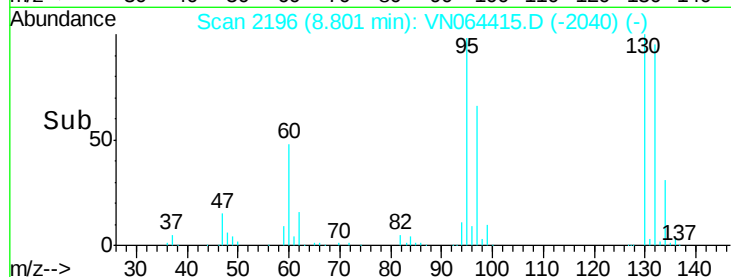
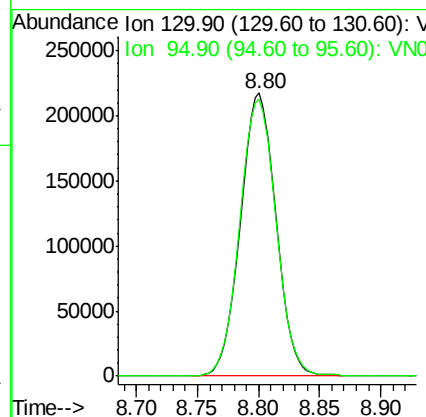
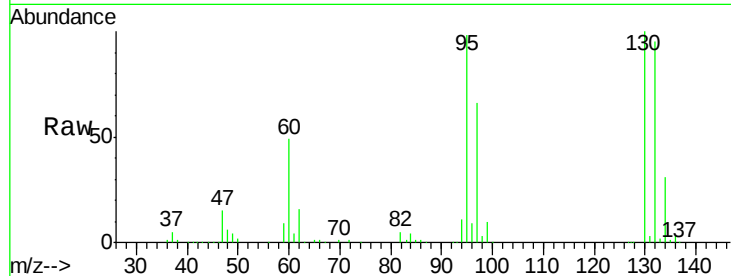
#37
 Trichloroethene
 Concen: 106.982 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:130 Resp: 438309
 Ion Ratio Lower Upper
 130 100
 95 97.8 83.6 125.4

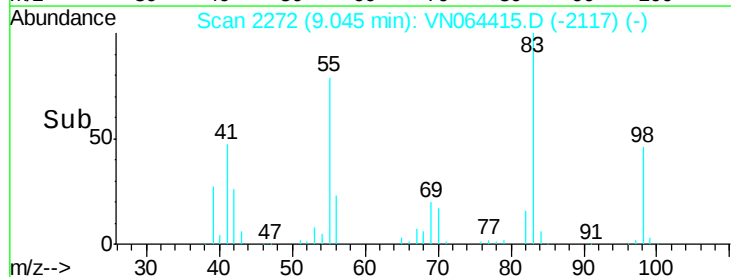
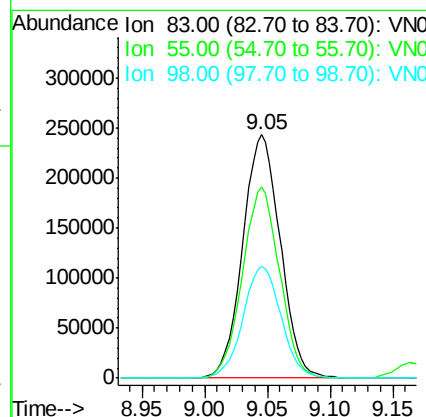
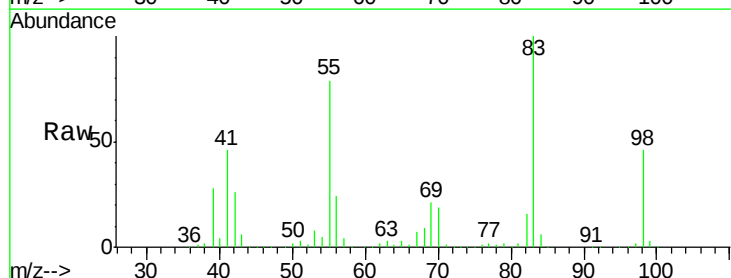
Manual Integrations
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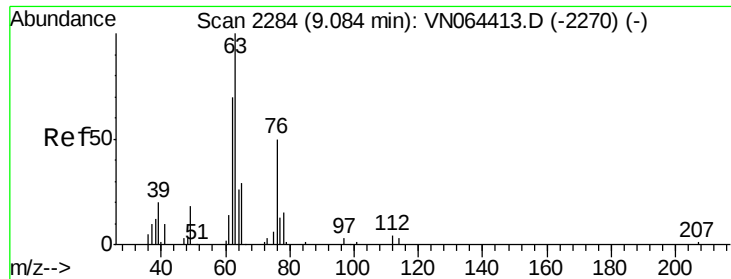
MMDadoda
 11/3/2020 2:20:48 PM



#38
 Methylcyclohexane
 Concen: 95.625 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion: 83 Resp: 507416
 Ion Ratio Lower Upper
 83 100
 55 77.4 38.3 114.9
 98 46.4 24.6 74.0





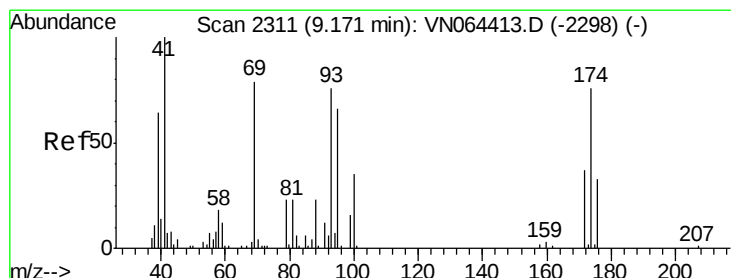
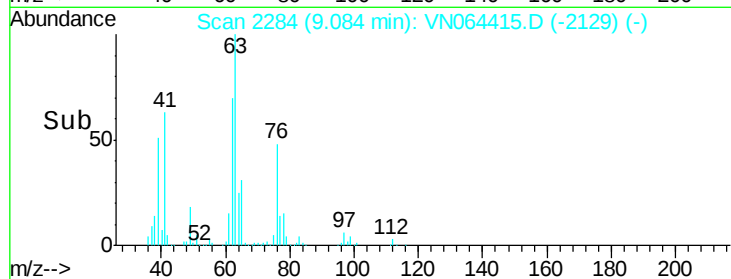
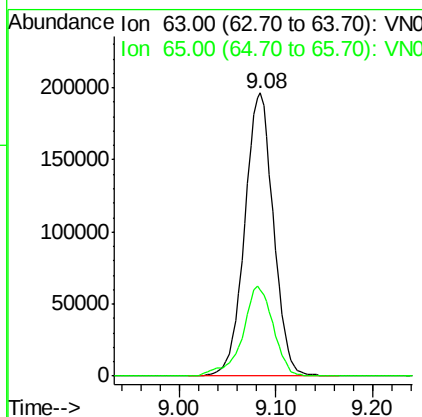
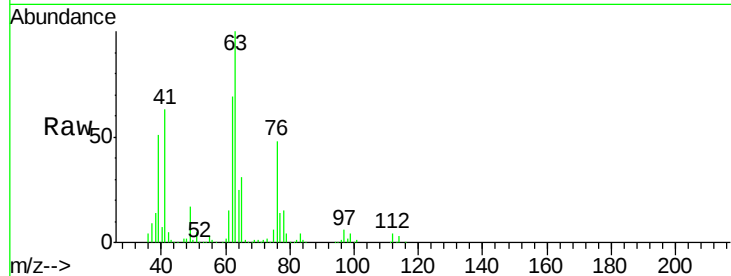
#39
 1,2-Dichloropropane
 Concen: 101.998 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 405540
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

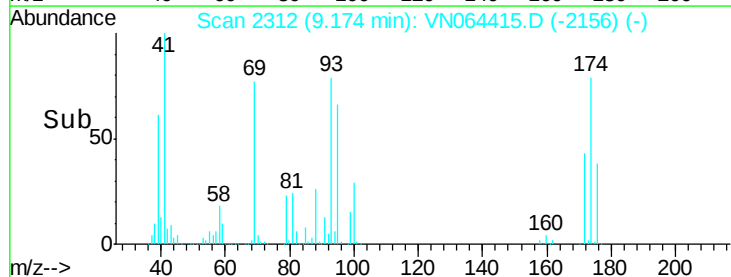
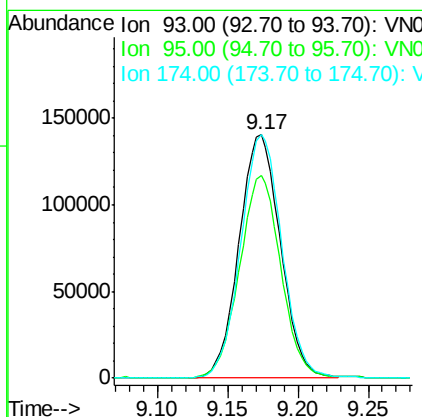
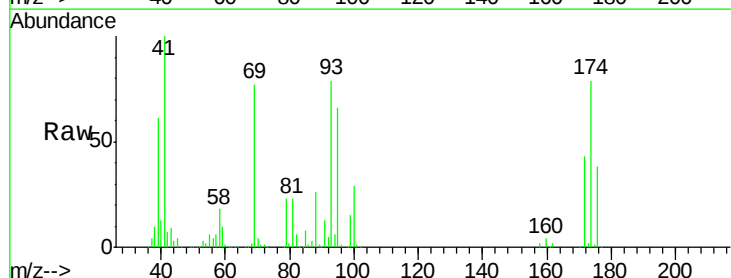
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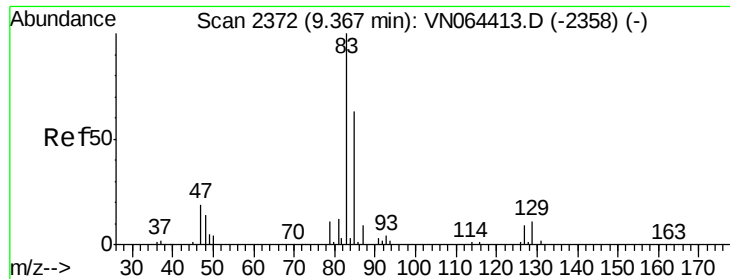
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#40
 Dibromomethane
 Concen: 103.149 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion: 93 Resp: 288590
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 170.0
 174 99.3 0.0 199.8





#41

Bromodichloromethane

Concen: 101.185 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 610381
Ion Ratio Lower Upper

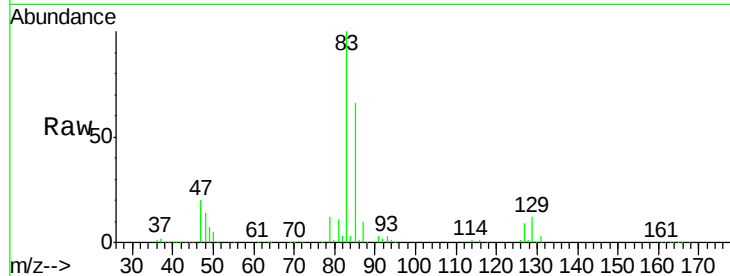
83 100

85 65.8 50.5 75.7

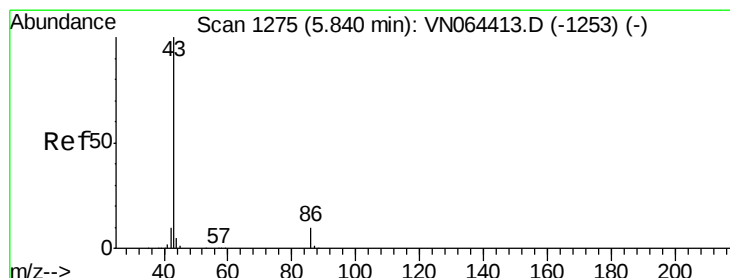
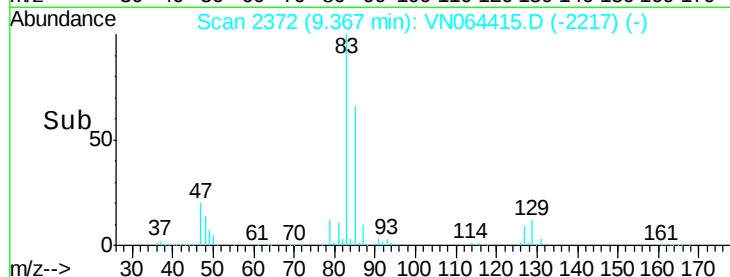
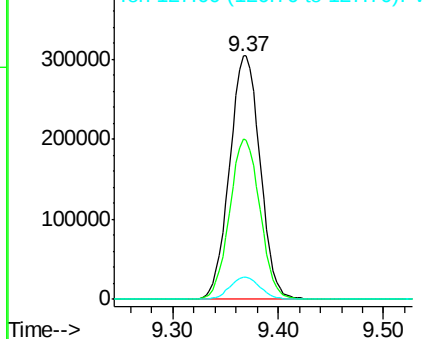
127 9.0 7.0 10.6

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 500.239 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

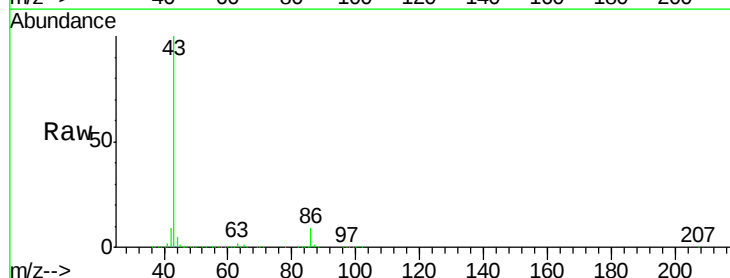
Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

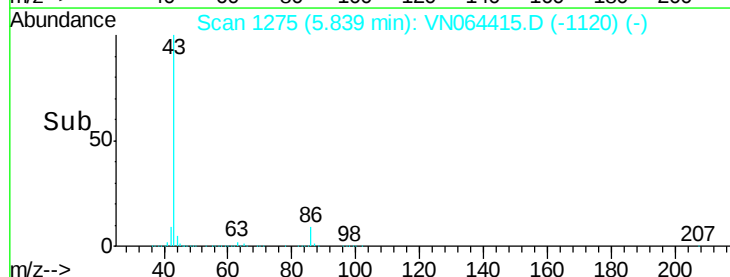
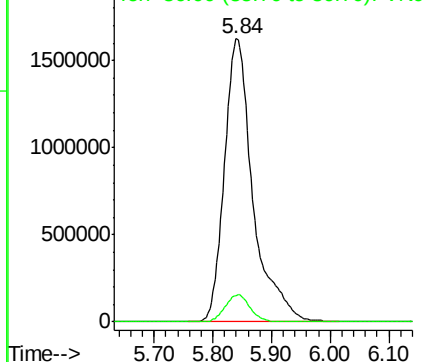
Tgt Ion: 43 Resp: 5501537
Ion Ratio Lower Upper

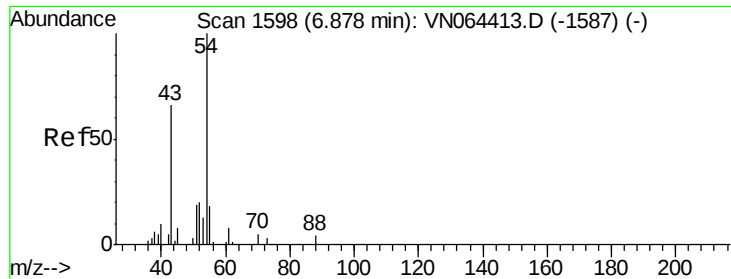
43 100

86 8.3 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





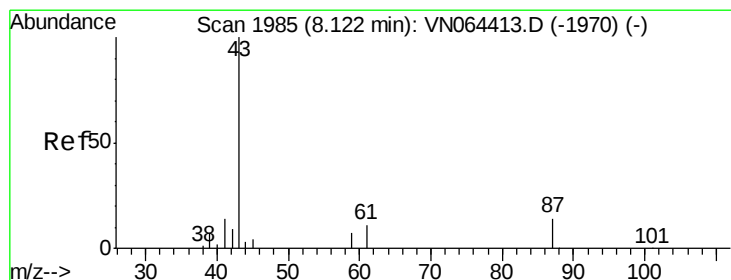
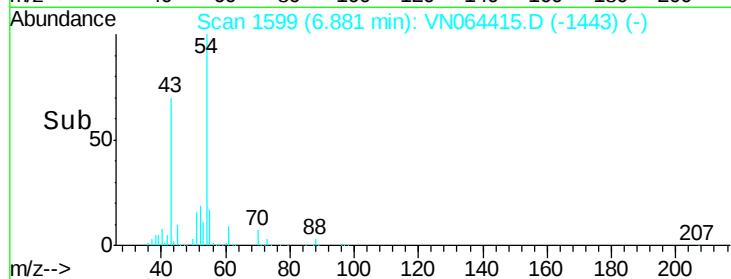
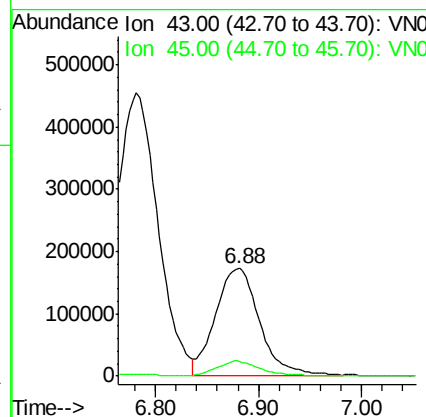
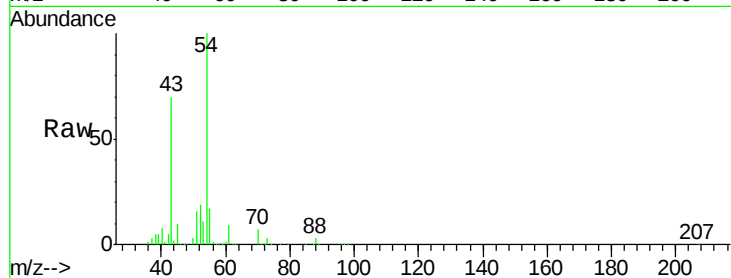
#43
Ethyl Acetate
Concen: 98.946 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	43	45	Ratio	Lower	Upper
506494	100	12.9		5.2	7.8#

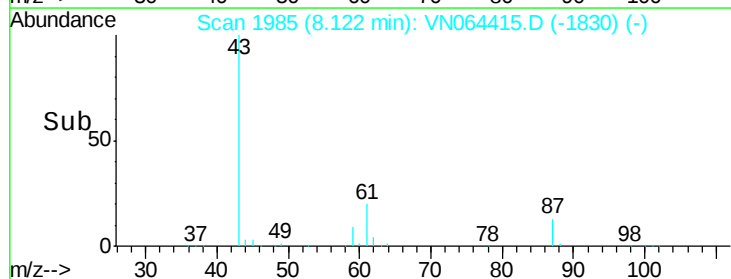
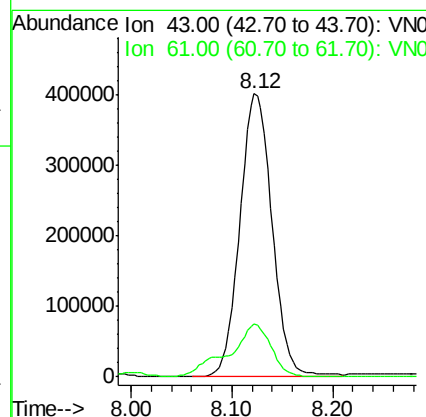
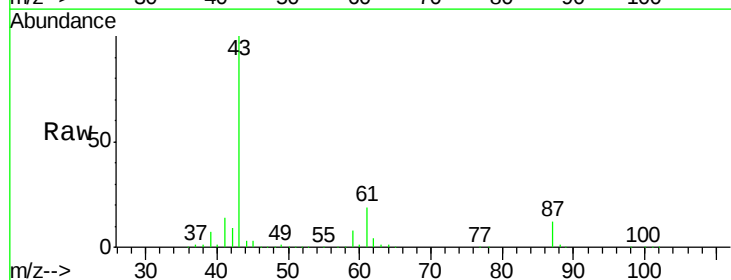
Manual Integrations
APPROVED

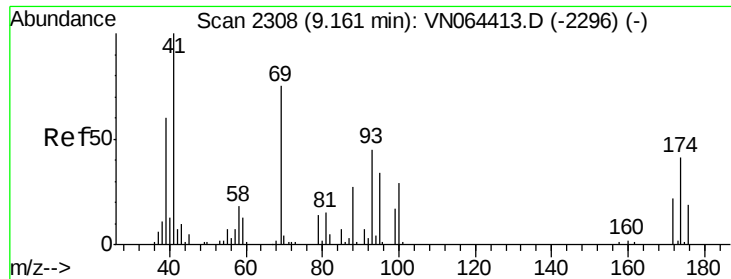
MMDadoda
11/3/2020 2:20:48 PM



#44
Isopropyl Acetate
Concen: 93.046 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	43	61	Ratio	Lower	Upper
887947	100	17.2		0.2	0.4#





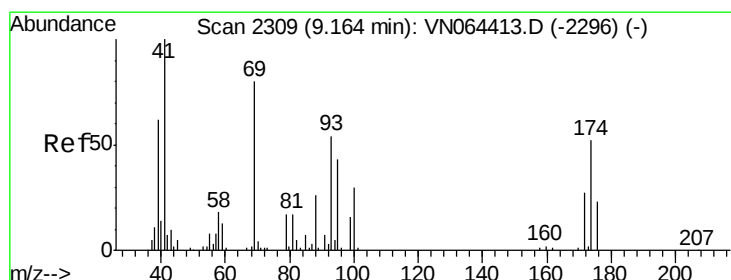
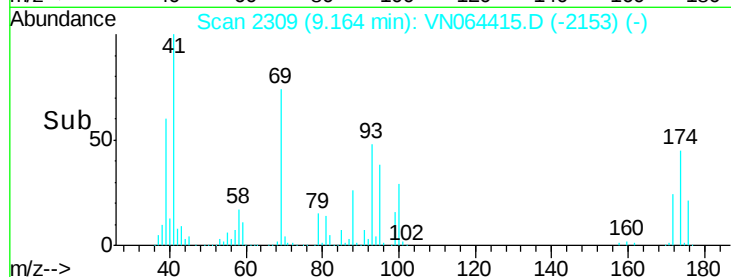
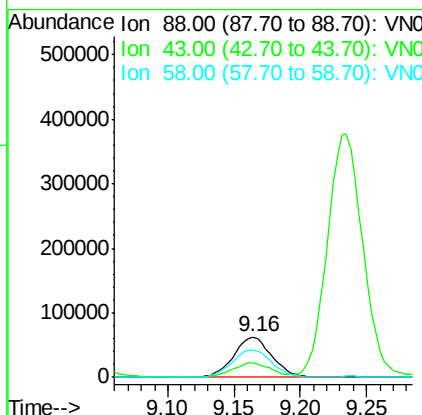
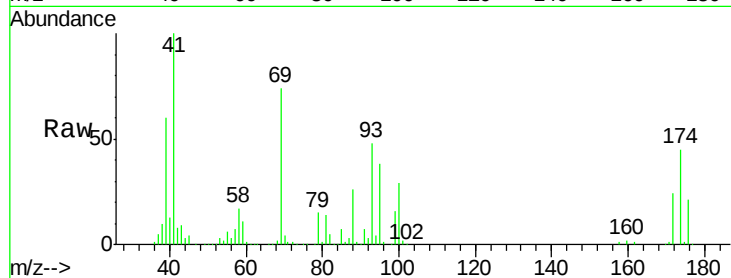
#45
1,4-Dioxane
Concen: 1733.796 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	32.0	48.0
58	70.2	59.1	88.7

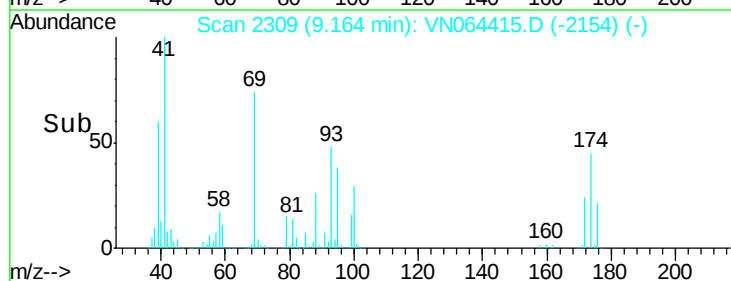
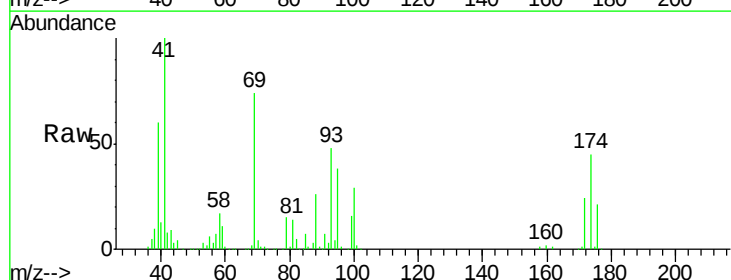
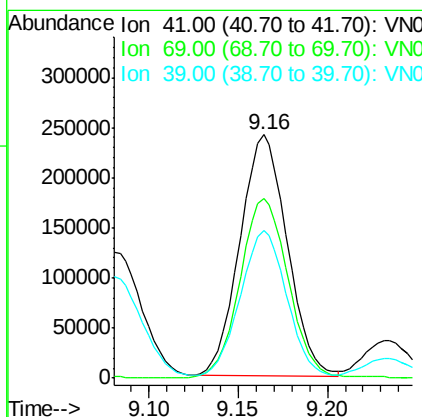
Manual Integrations
APPROVED

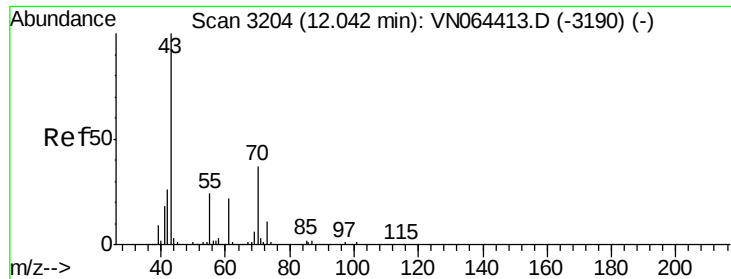
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11/3/2020 2:20:48 PM



#46
Methyl methacrylate
Concen: 95.652 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.5	39.8	119.4
39	59.8	30.5	91.5





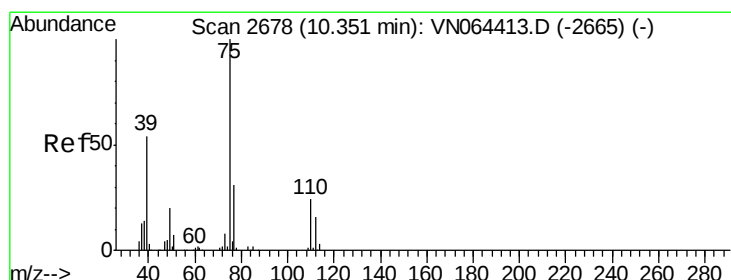
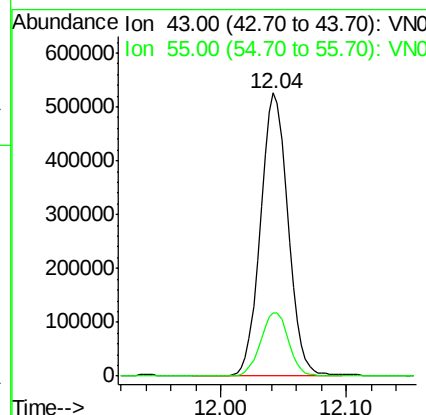
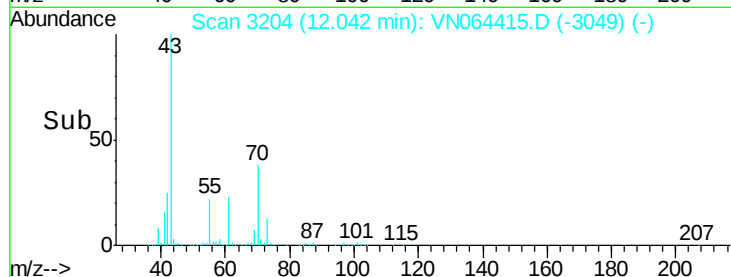
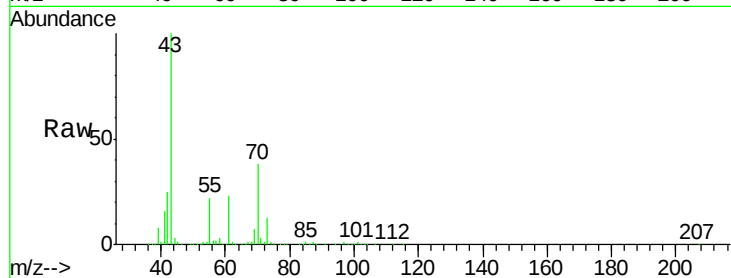
#47
n-amvl Acetate
Concen: 99.934 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 802918
Ion Ratio Lower Upper
43 100
55 22.8 18.1 27.1

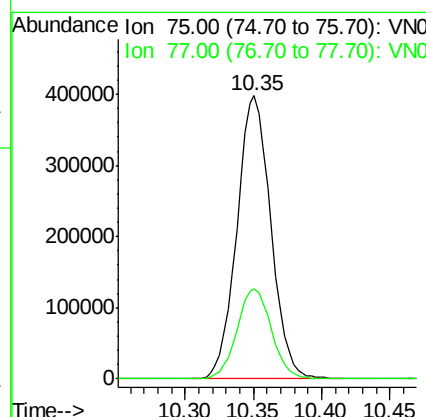
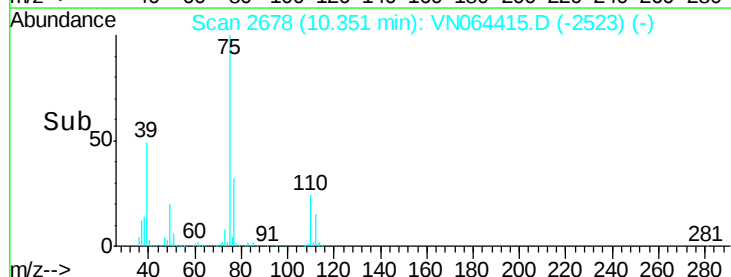
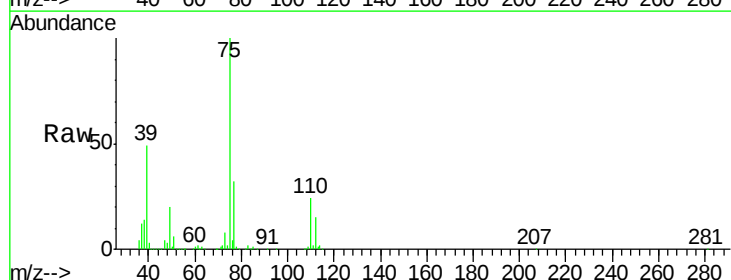
Manual Integrations
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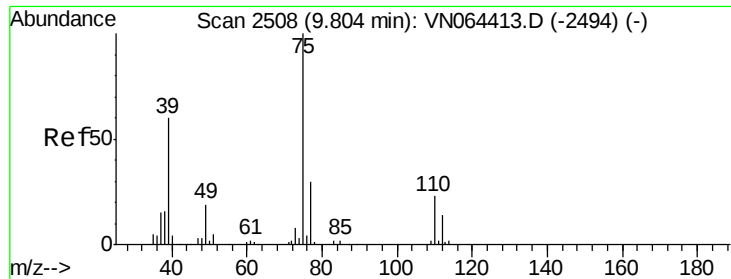
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 102.607 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion: 75 Resp: 687097
Ion Ratio Lower Upper
75 100
77 31.6 24.9 37.3





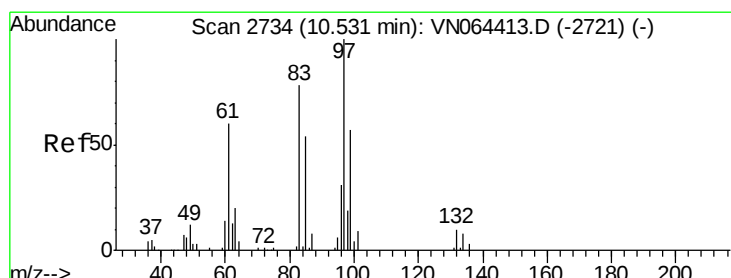
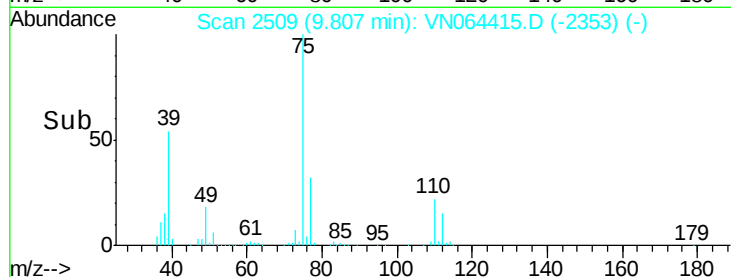
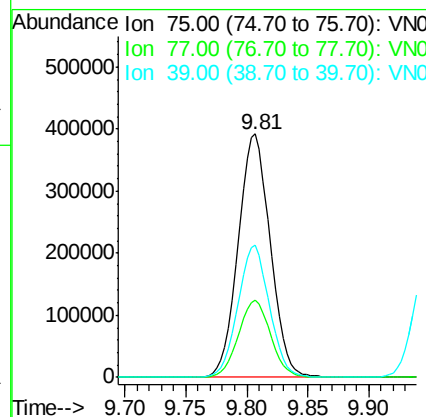
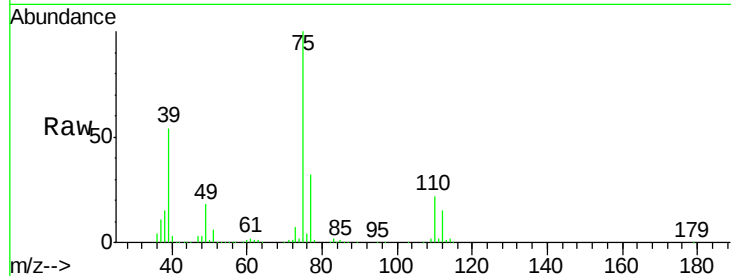
#49
 cis-1,3-Dichloropropene
 Concen: 103.502 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.3	36.5
39	54.2	48.0	72.0

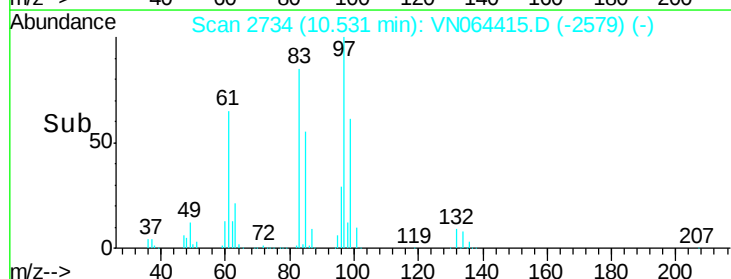
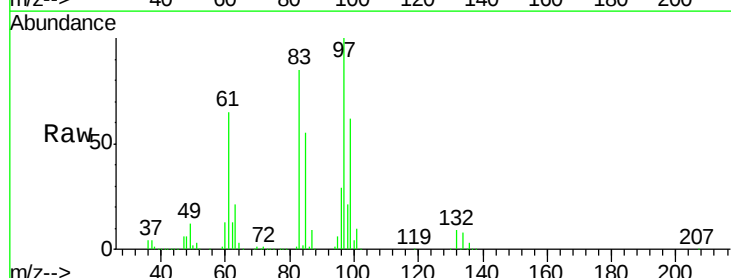
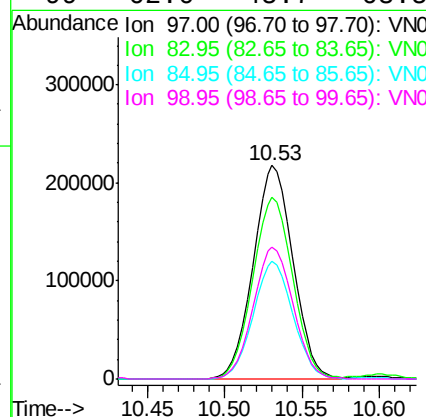
Manual Integrations
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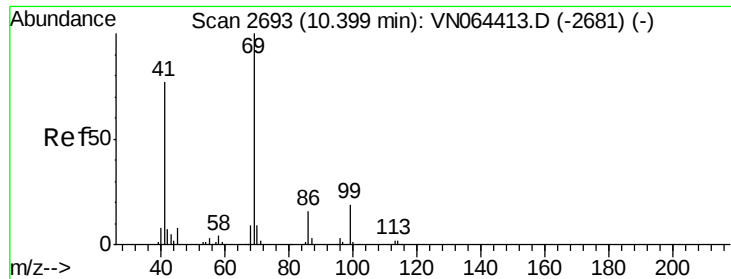
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 104.438 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.1	62.4	93.6
85	55.2	42.9	64.3
99	62.0	45.7	68.5





#51

Ethyl methacrylate

Concen: 103.745 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

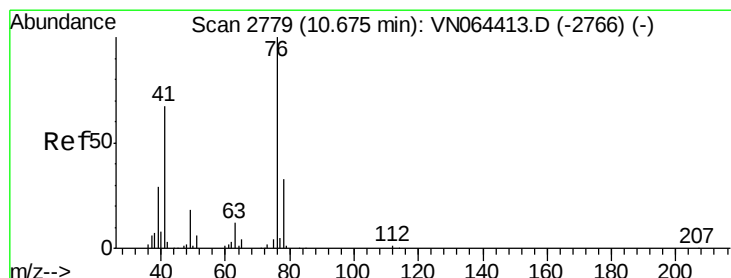
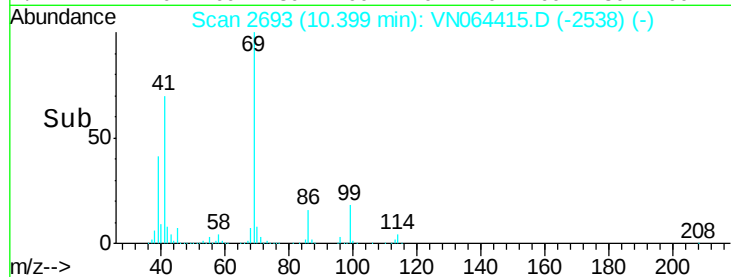
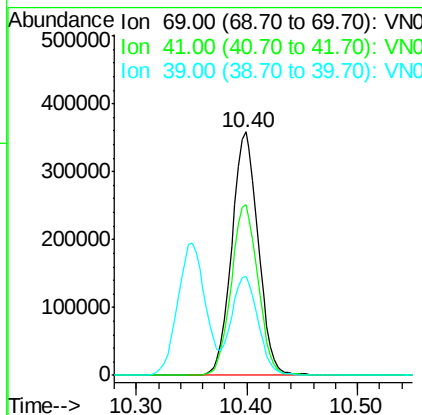
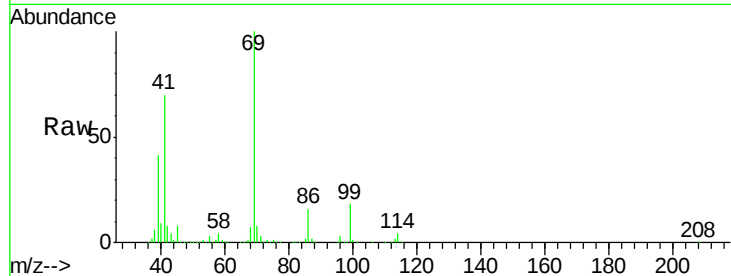
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	595465
Ion Ratio	Lower	Upper	
69	100		
41	69.7	38.4	115.2
39	40.6	22.7	68.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 102.359 ug/l

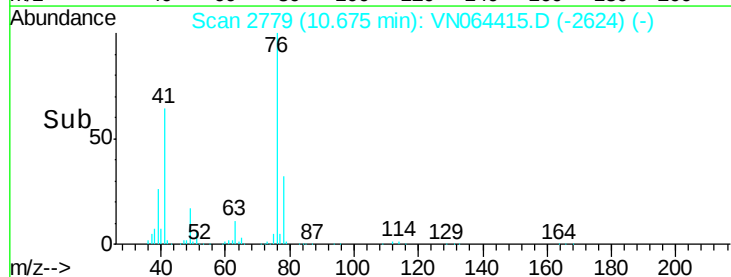
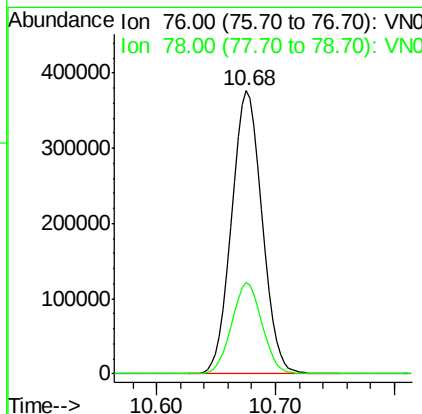
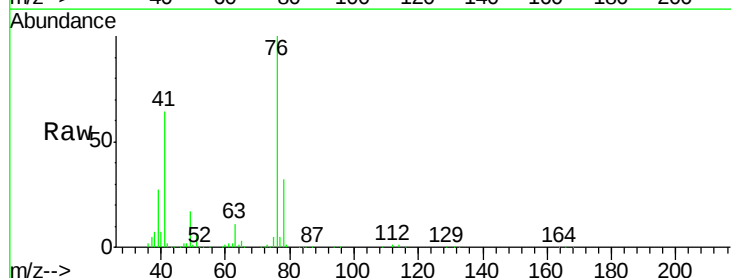
RT: 10.68 min Scan# 2779

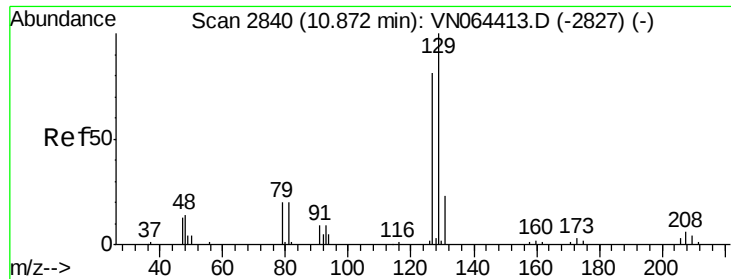
Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Tgt Ion:	76	Resp:	670064
Ion Ratio	Lower	Upper	
76	100		
78	32.1	0.0	65.2





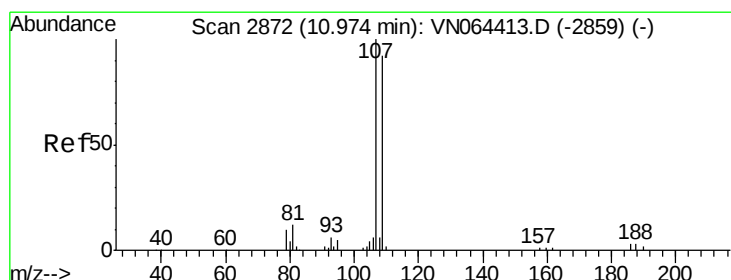
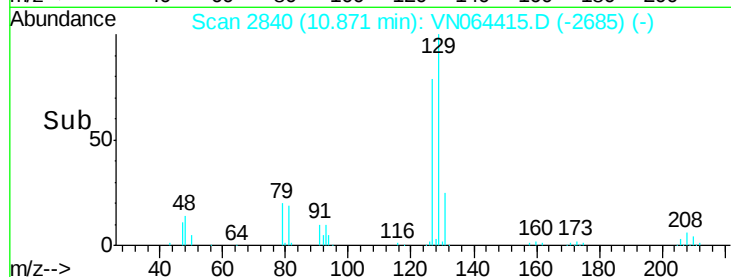
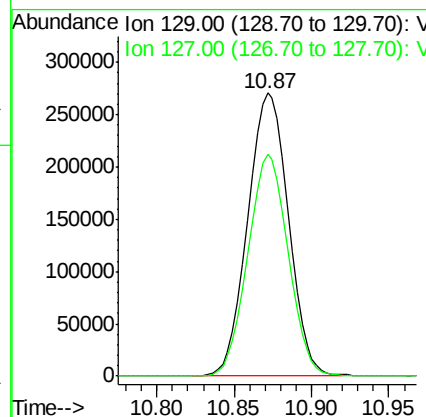
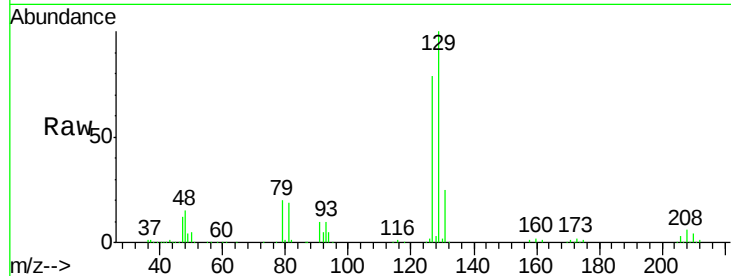
#53
Dibromochloromethane
Concen: 108.855 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:129 Resp: 496506
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.7

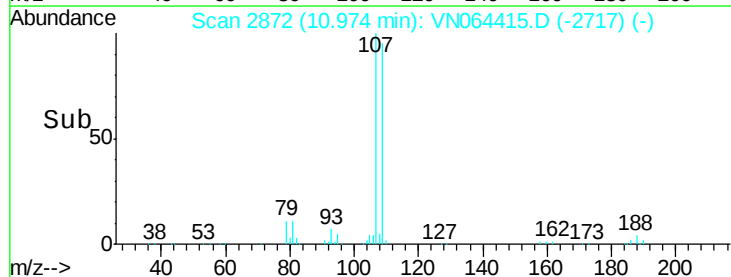
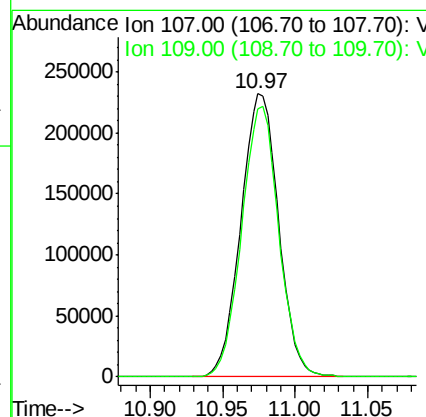
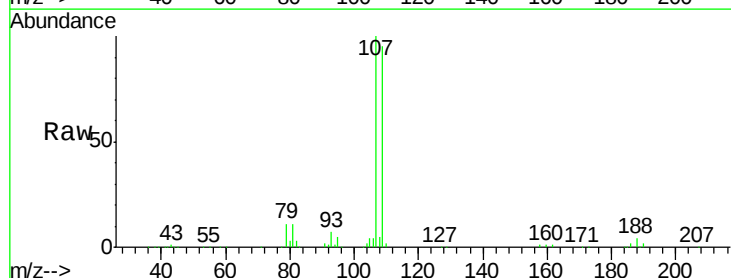
Manual Integrations
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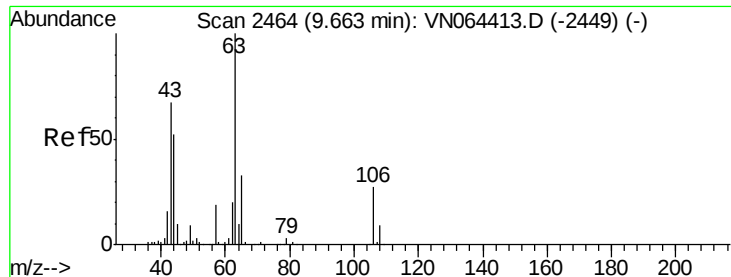
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#54
1,2-Dibromoethane
Concen: 105.282 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion:107 Resp: 420321
Ion Ratio Lower Upper
107 100
109 94.0 76.5 114.7





#55

2-Chloroethyl vinyl ether

Concen: 523.988 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1504904

Ion Ratio Lower Upper

63 100

65 31.7 26.2 39.4

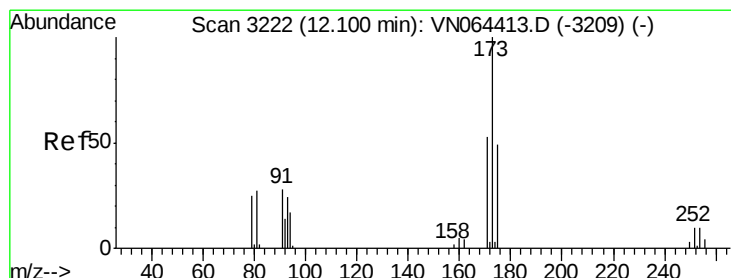
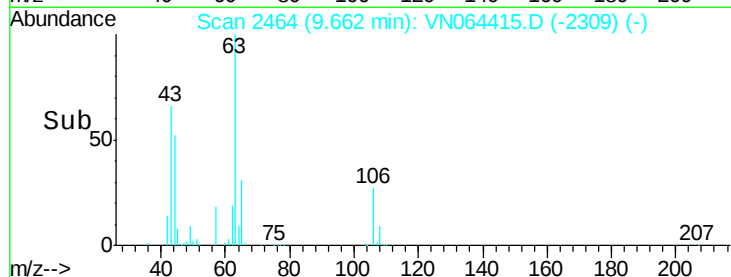
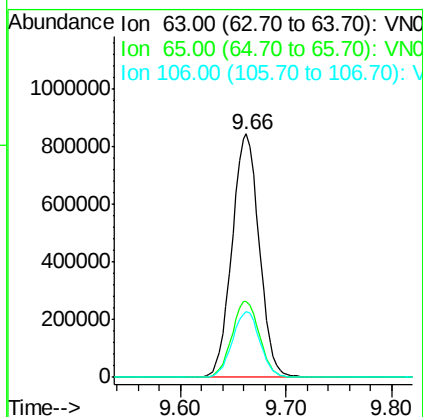
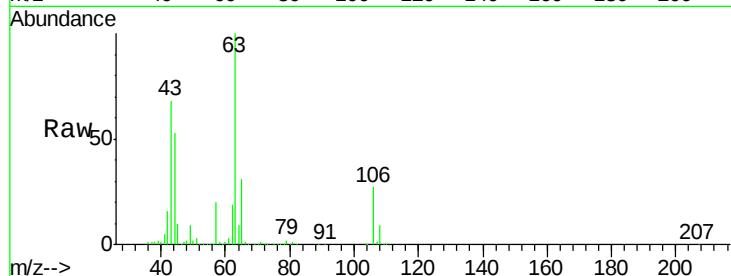
106 27.2 21.8 32.6

Manual Integrations

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#56

Bromoform

Concen: 113.610 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

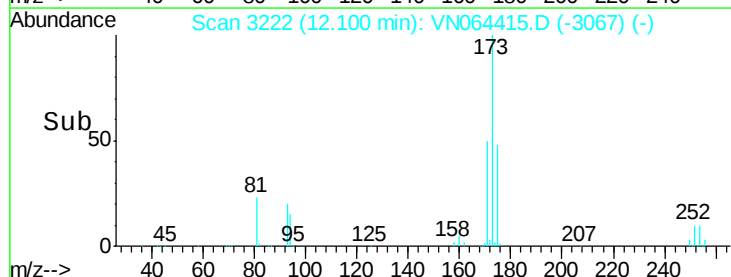
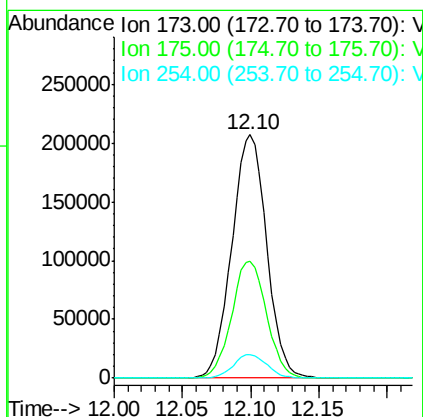
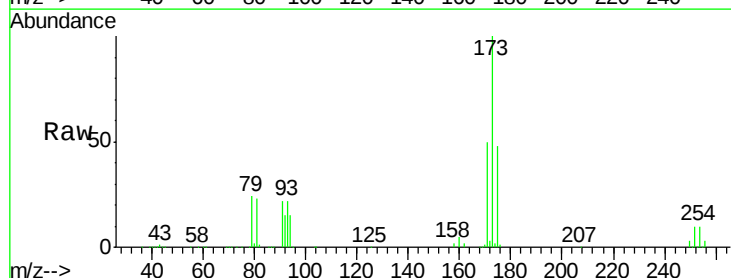
Tgt Ion: 173 Resp: 366746

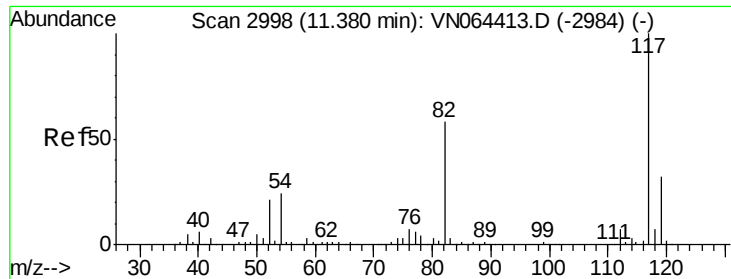
Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.4

254 9.3 7.0 10.6





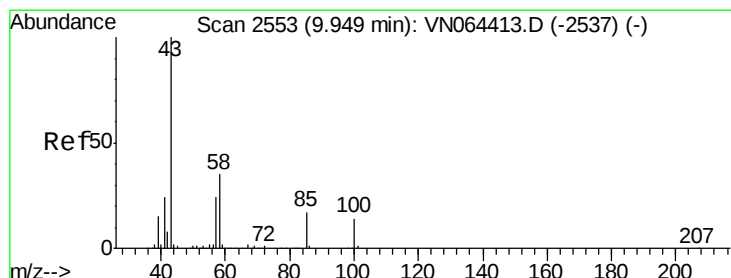
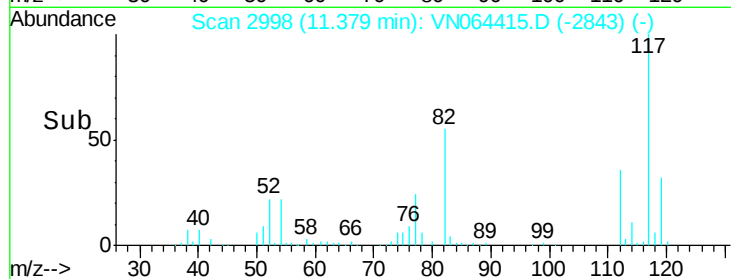
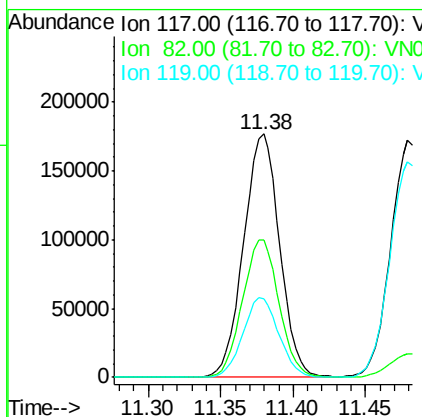
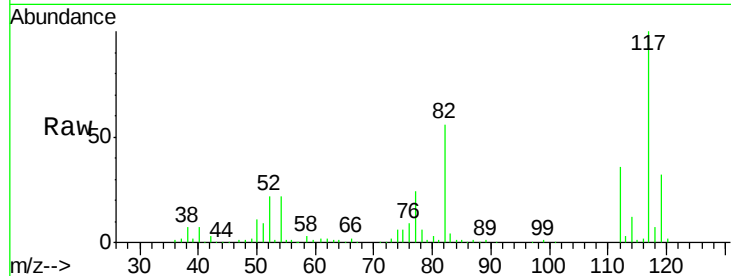
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.1	69.1
119	32.5	26.2	39.2

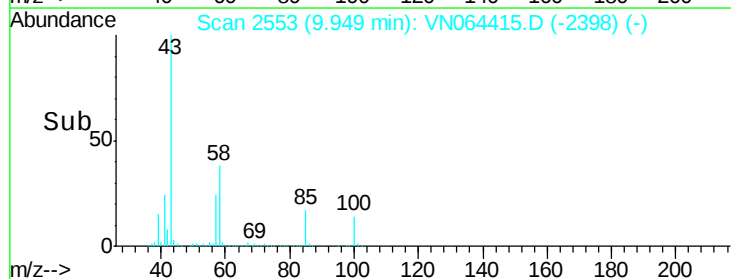
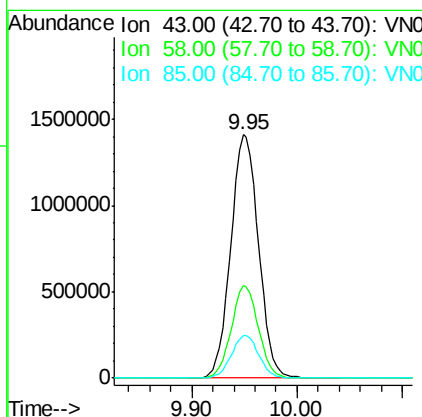
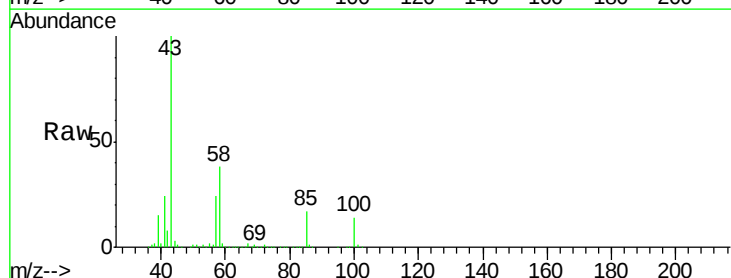
Manual Integrations
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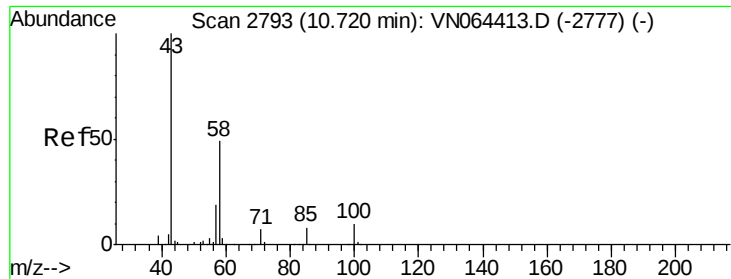
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 465.884 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.6	43.0
85	17.3	13.5	20.3





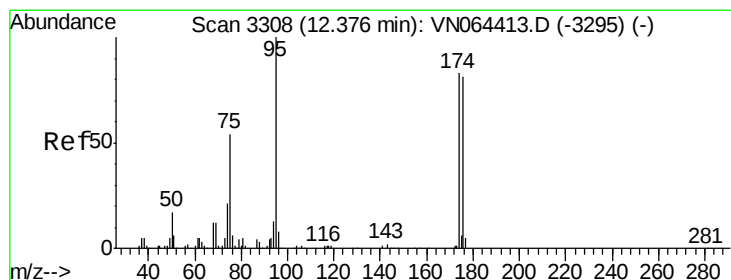
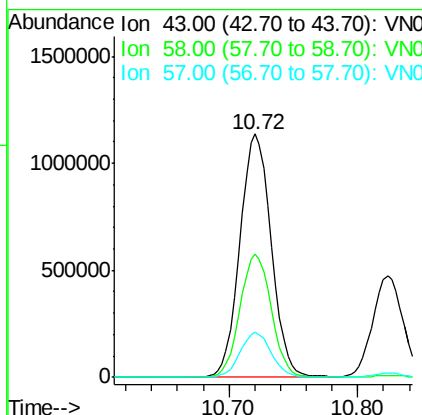
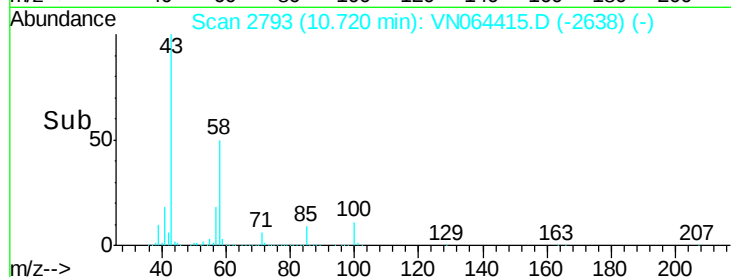
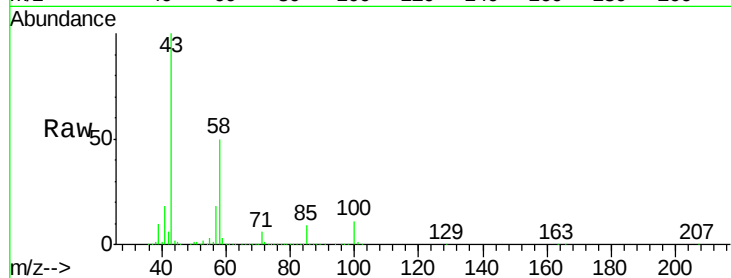
#59
2-Hexanone
Concen: 464.034 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.7	39.4	59.0
57	18.4	14.4	21.6

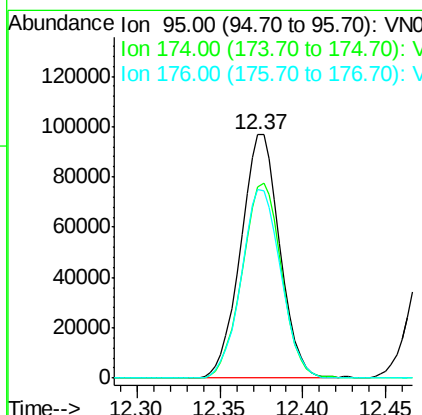
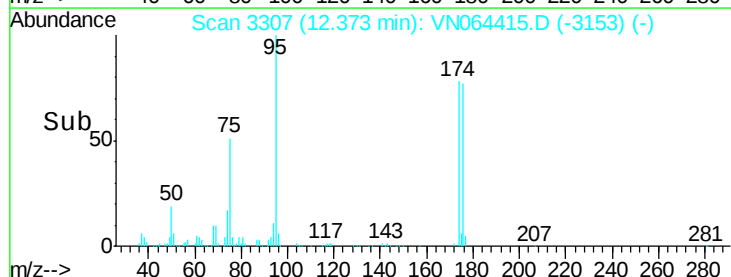
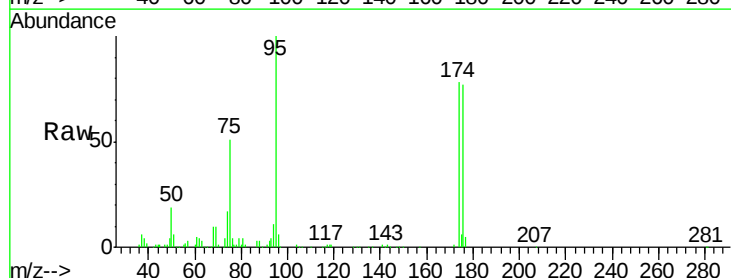
Manual Integrations
APPROVED

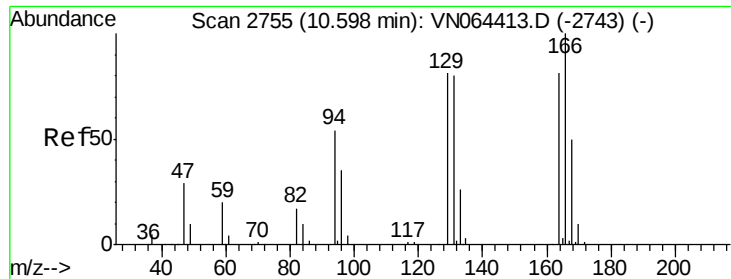
MMDadoda
11/3/2020 2:20:48 PM



#60
4-Bromofluorobenzene
Concen: 29.500 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	65.2	97.8
176	78.4	62.2	93.4





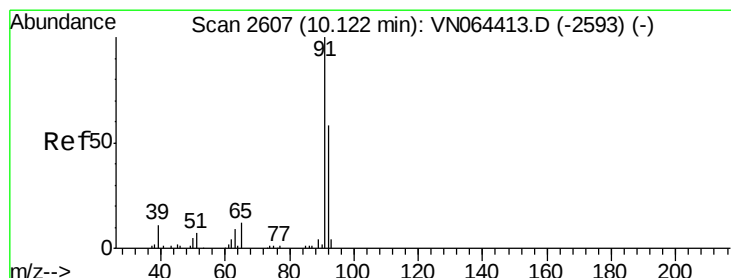
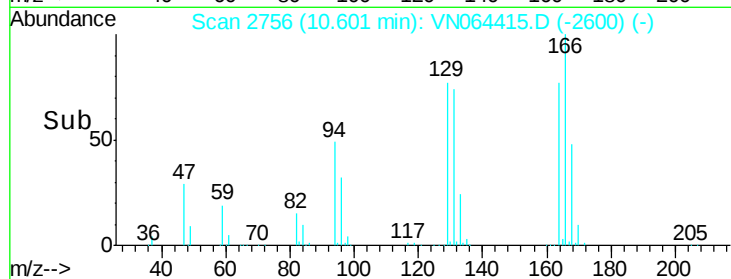
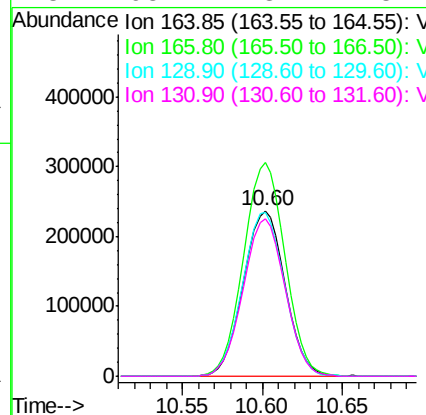
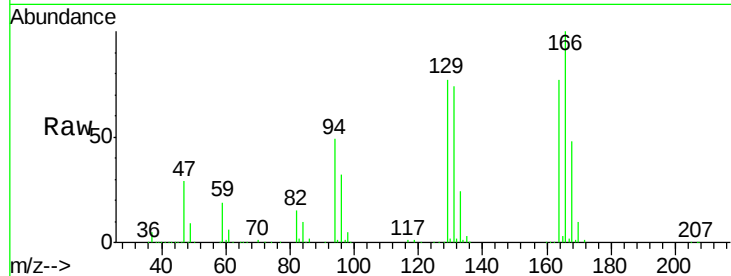
#61
Tetrachloroethene
Concen: 102.892 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.2	98.7	148.1	
129	99.0	80.2	120.4	
131	95.2	78.7	118.1	

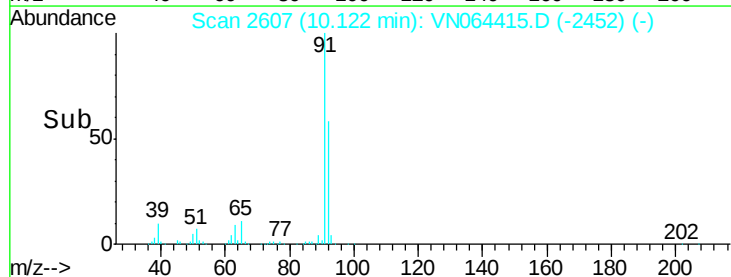
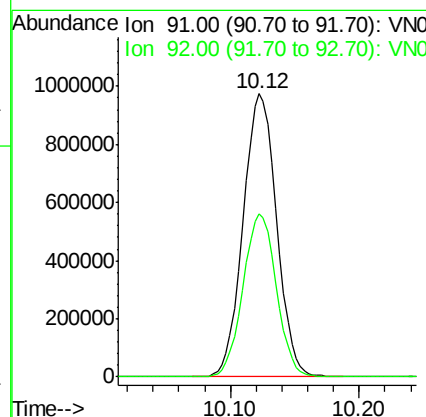
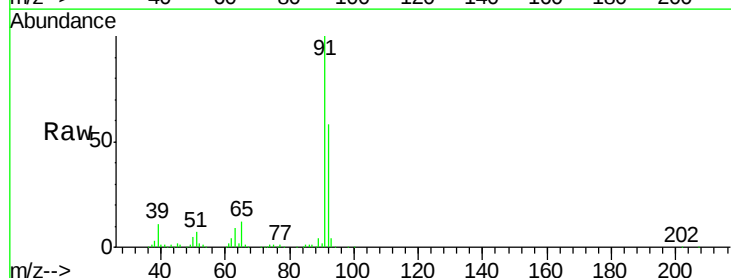
Manual Integrations
APPROVED

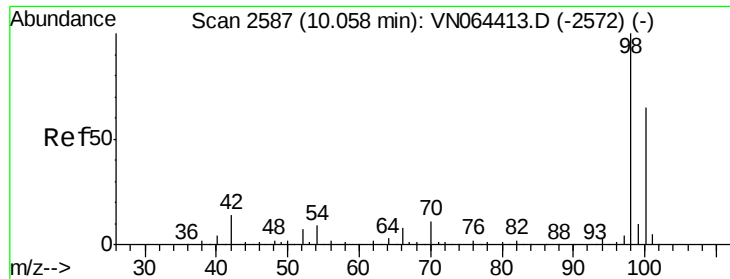
MMDadoda
11/3/2020 2:20:48 PM



#62
Toluene
Concen: 103.901 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
92	57.4	46.2	69.4	





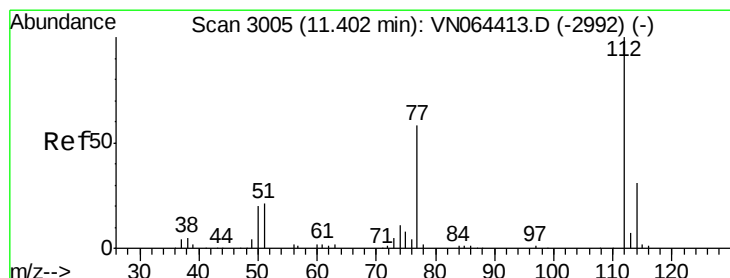
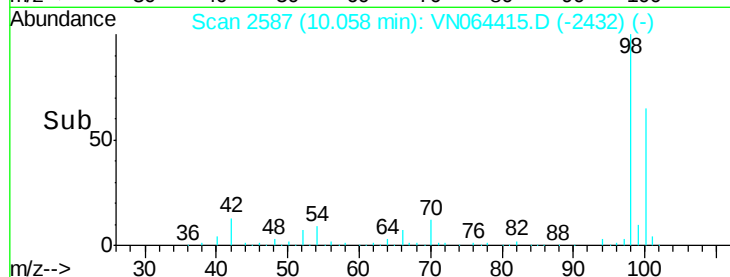
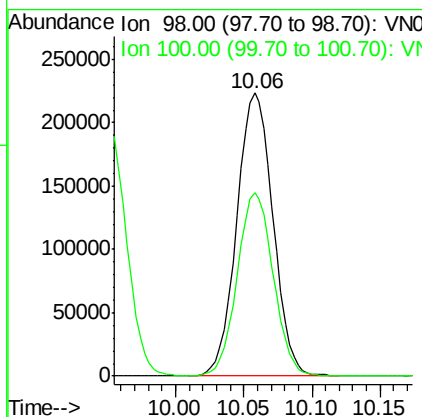
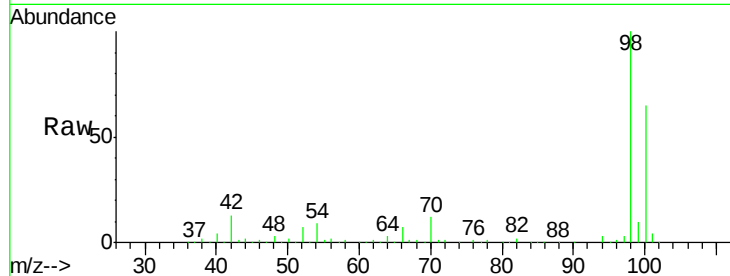
#63
Toluene-d8
Concen: 30.196 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 411816
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9

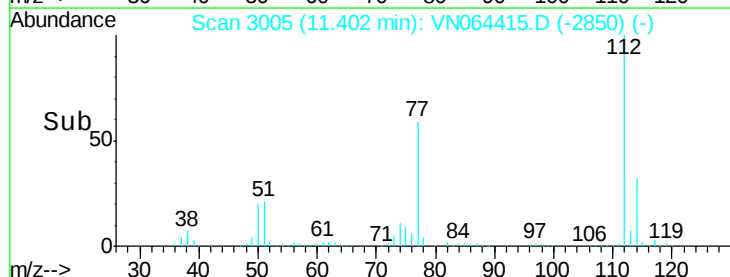
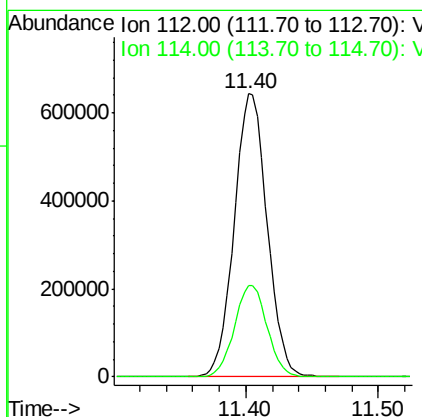
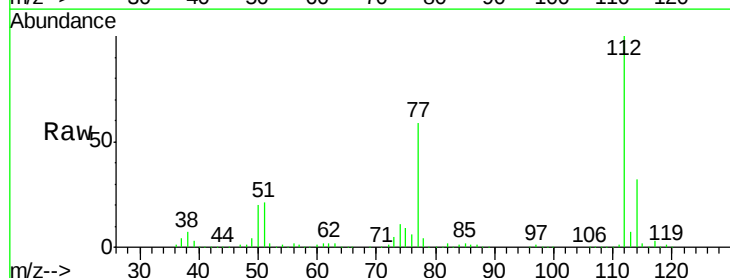
Manual Integrations
APPROVED

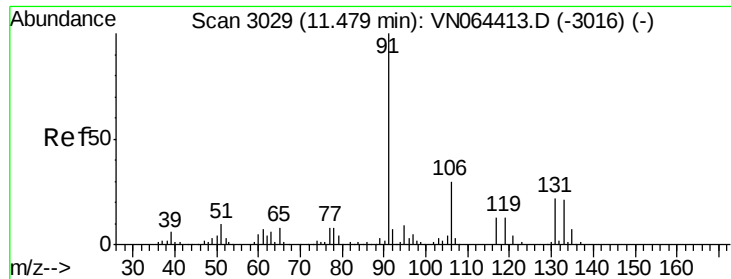
MMDadoda
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#64
Chlorobenzene
Concen: 104.776 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion: 112 Resp: 1108469
Ion Ratio Lower Upper
112 100
114 32.2 24.8 37.2





#65

1,1,1,2-Tetrachloroethane

Concen: 105.699 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

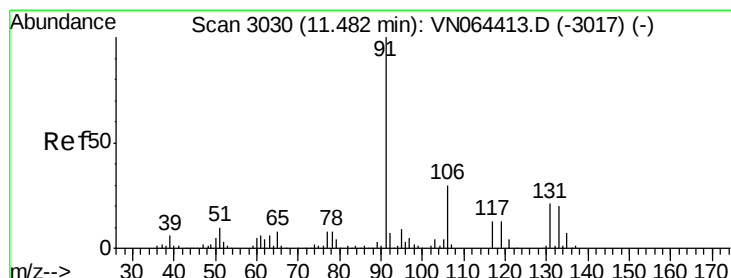
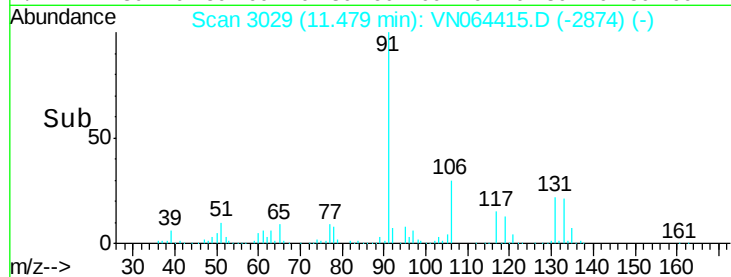
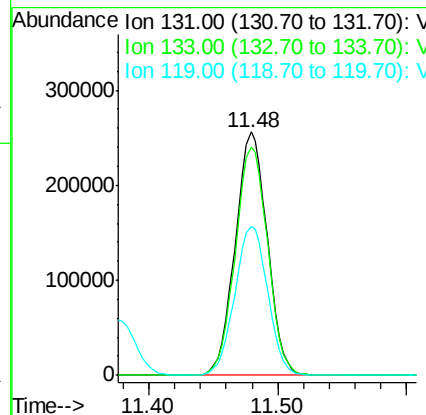
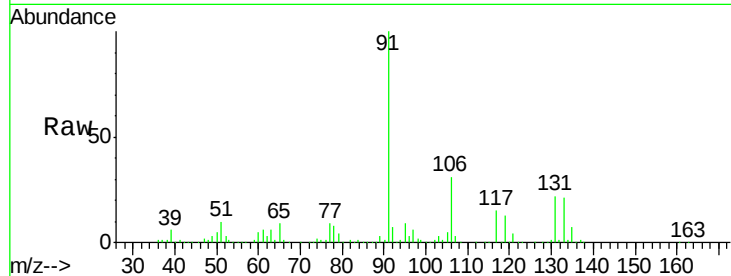
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	441155		
133	94.9	0.0	191.2	
119	62.7	0.0	125.6	

Manual Integrations
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#66

Ethyl Benzene

Concen: 103.349 ug/l

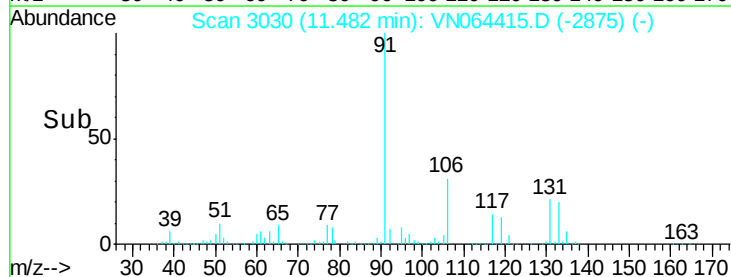
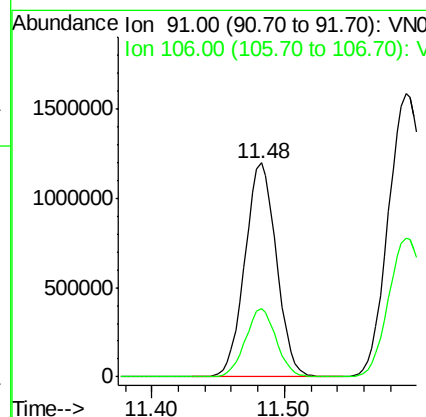
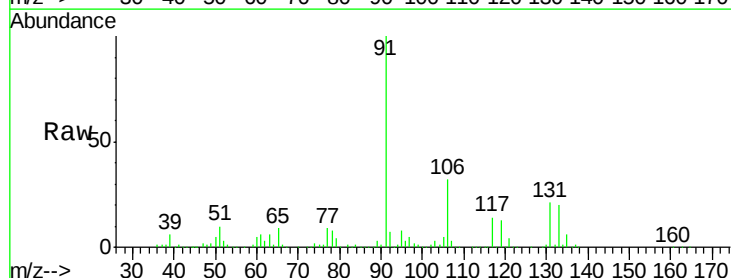
RT: 11.48 min Scan# 3030

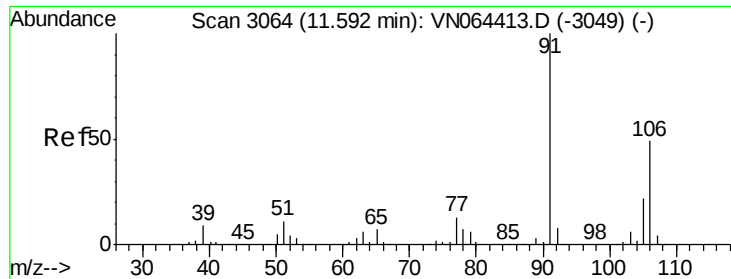
Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1981195		
106	31.8	23.9	35.9	





#67

m/p-Xylenes

Concen: 212.688 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:106 Resp: 1510114

Ion Ratio Lower Upper

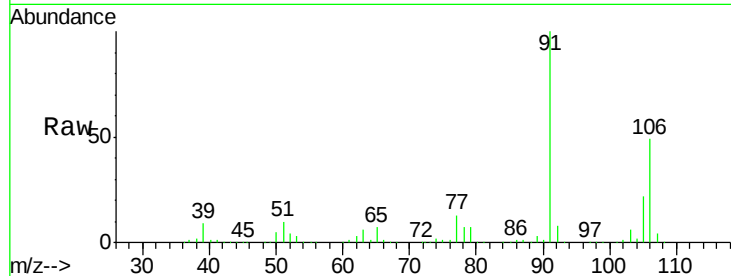
106 100

91 204.0 166.8 250.2

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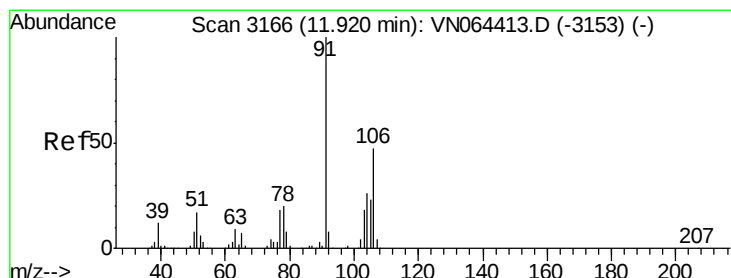
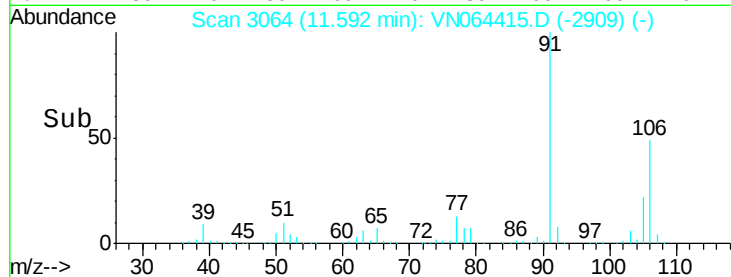
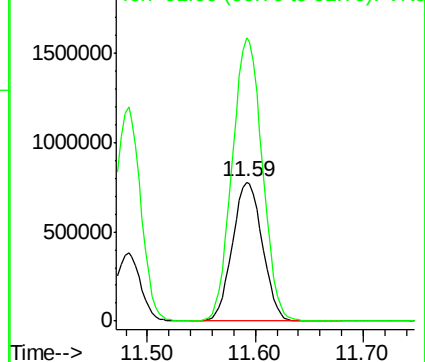
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 103.591 ug/l

RT: 11.92 min Scan# 3166

Delta R.T. -0.00 min

Lab File: VN064415.D

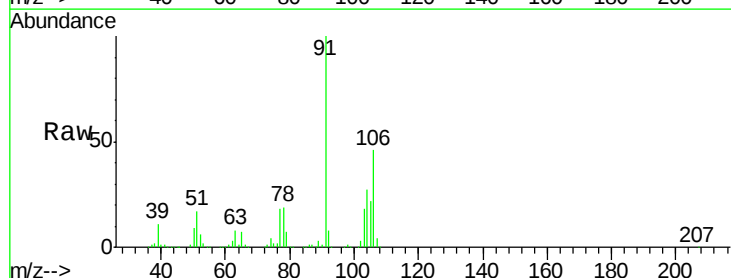
Acq: 2 Nov 2020 15:01

Tgt Ion:106 Resp: 721884

Ion Ratio Lower Upper

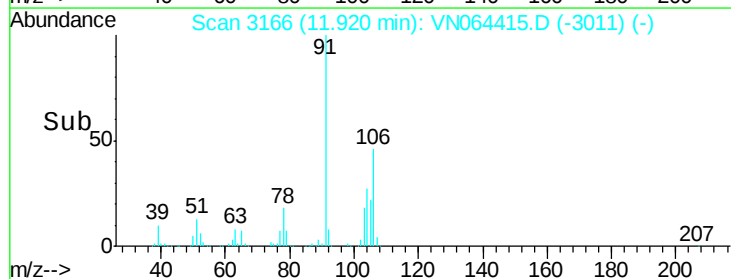
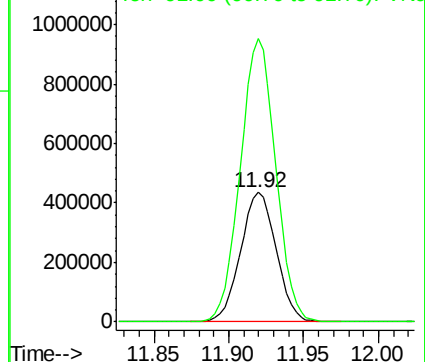
106 100

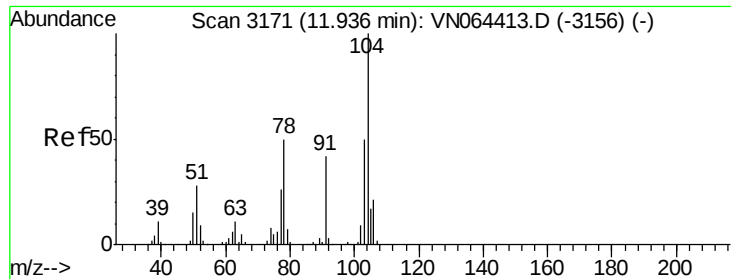
91 216.9 106.7 320.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





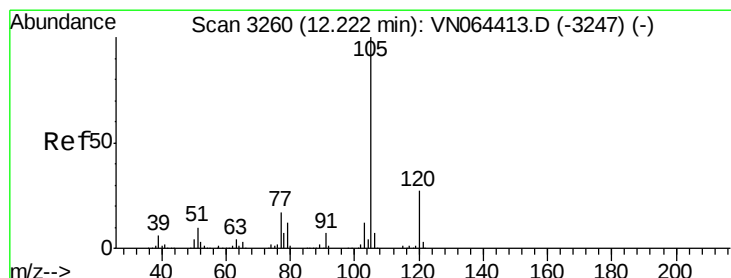
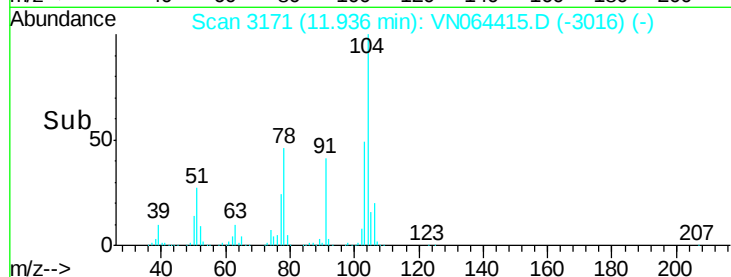
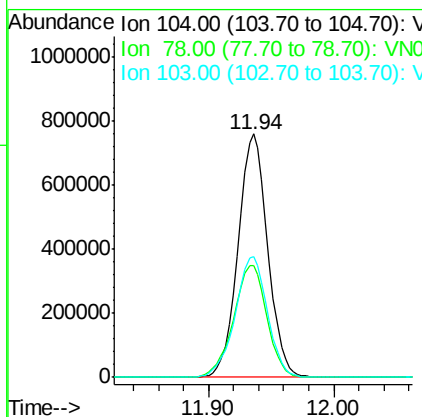
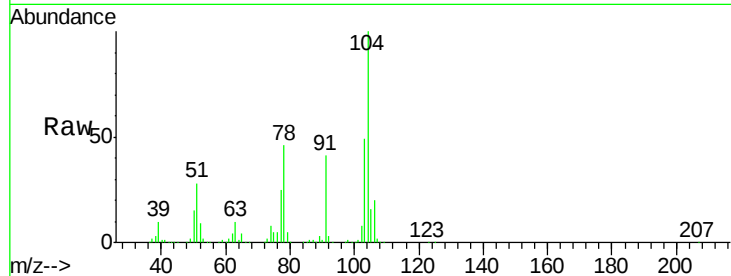
#69
Stvrene
Concen: 108.263 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.8	44.3	66.5
103	53.9	43.5	65.3

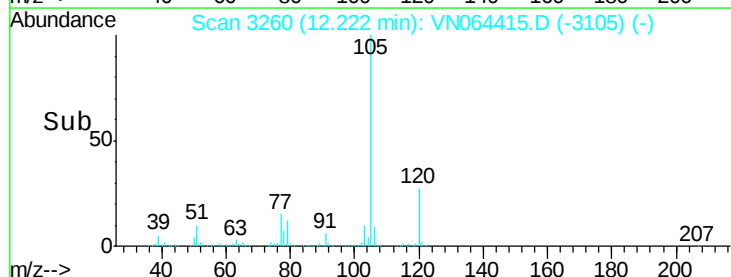
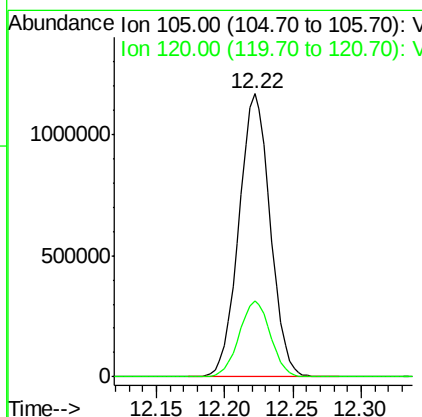
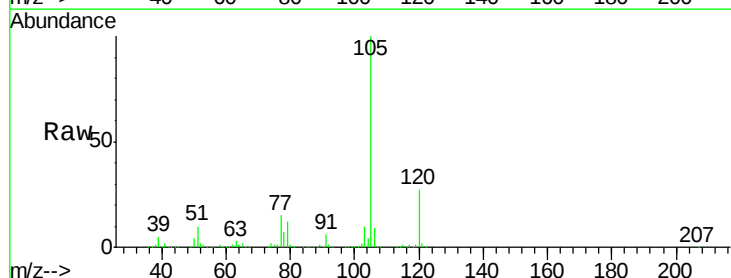
Manual Integrations
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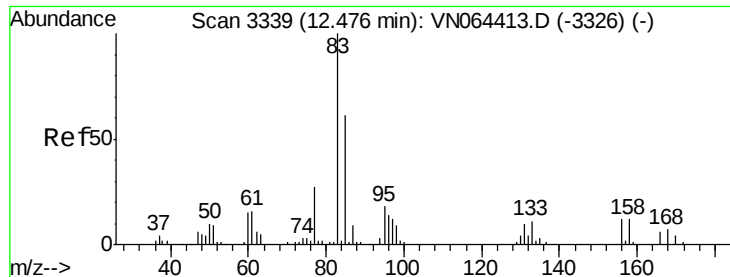
MMDadoda
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#70
Isopropylbenzene
Concen: 101.145 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.0	33.4





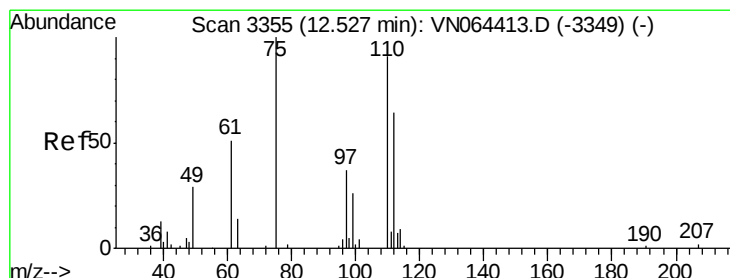
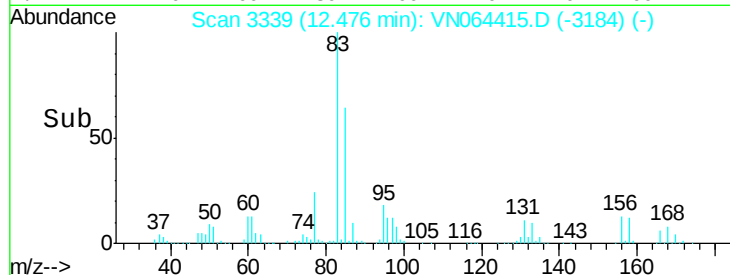
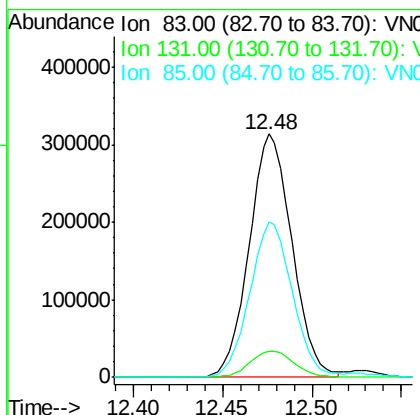
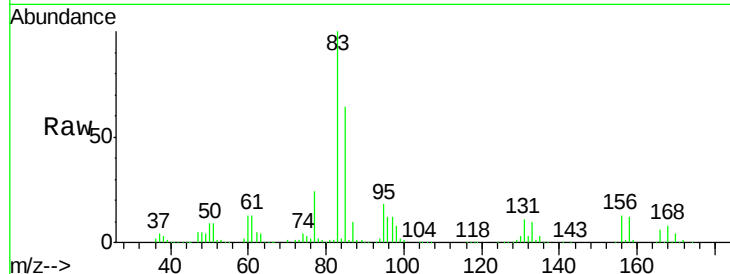
#71
 1,1,2,2-Tetrachloroethane
 Concen: 101.728 ug/l
 RT: 12.48 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.2	5.3	16.1	
85	63.6	30.9	92.7	

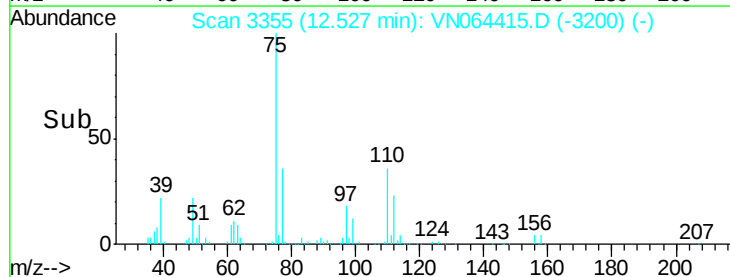
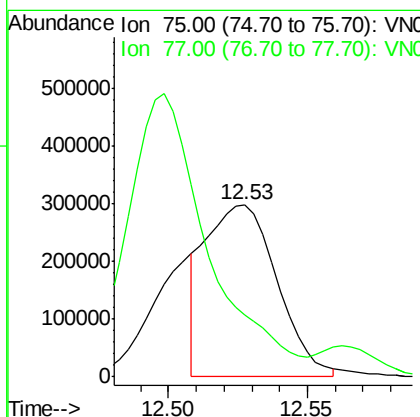
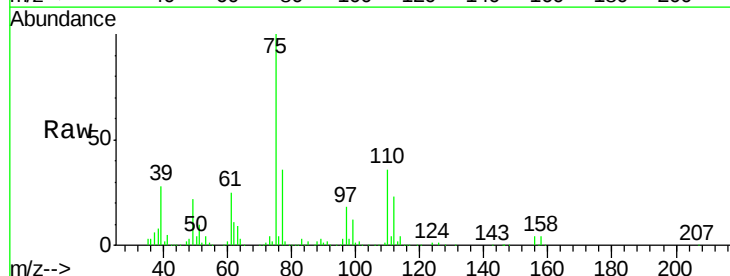
Manual Integrations
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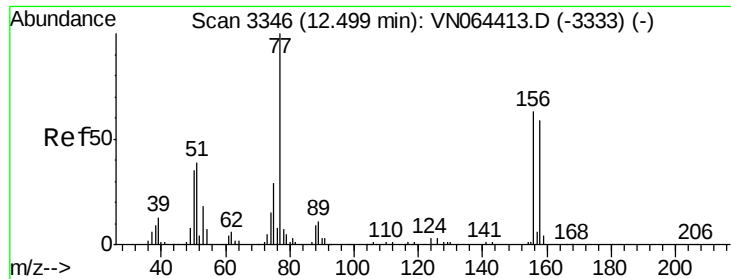
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#72
 1,2,3-Trichloropropane
 Concen: 99.160 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	186.5	0.0	374.2	





#73

Bromobenzene

Concen: 107.842 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

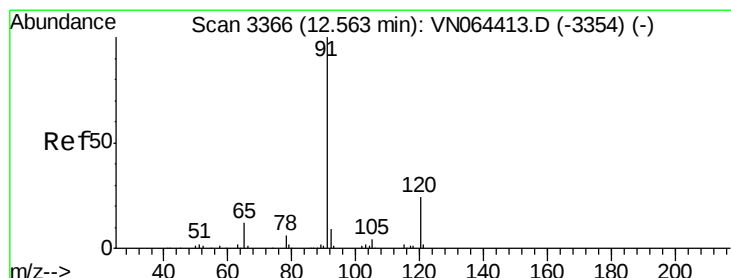
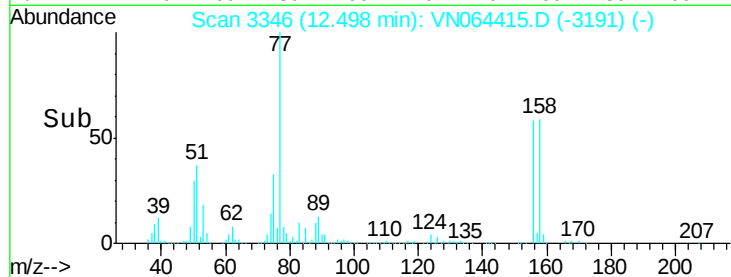
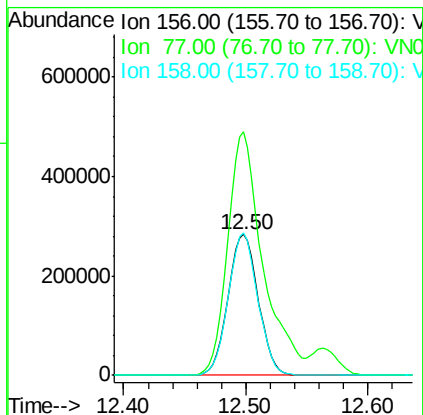
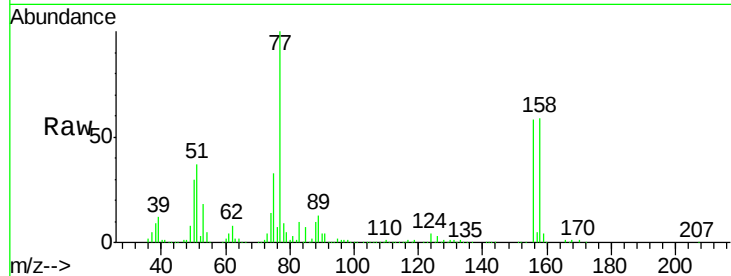
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	490830
Ion Ratio	Lower	Upper	
156	100		
77	202.0	0.0	409.4
158	98.4	0.0	192.0

Manual Integrations
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#74

n-propylbenzene

Concen: 101.595 ug/l

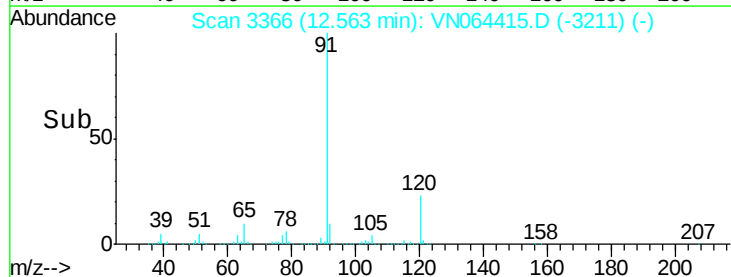
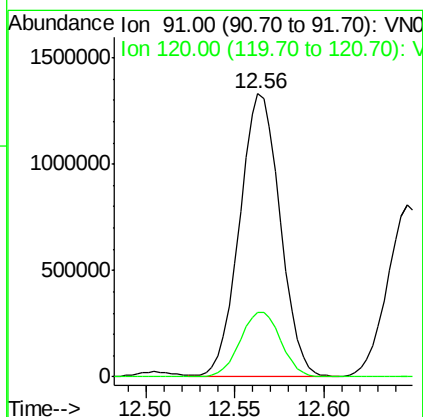
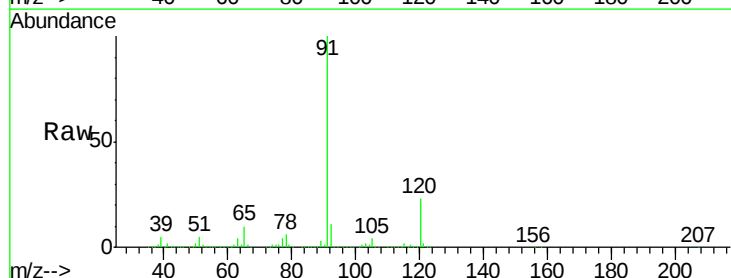
RT: 12.56 min Scan# 3366

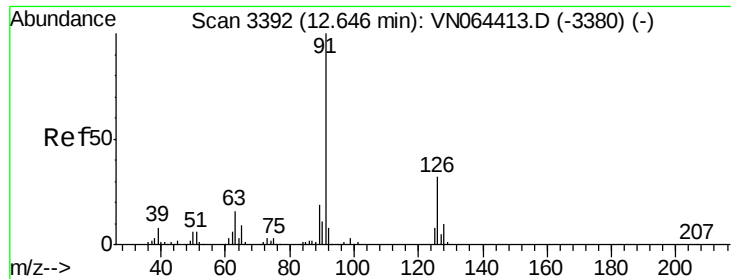
Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Tgt Ion:	91	Resp:	2109860
Ion Ratio	Lower	Upper	
91	100		
120	23.0	0.0	47.4





#75

2-Chlorotoluene

Concen: 101.987 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1315326

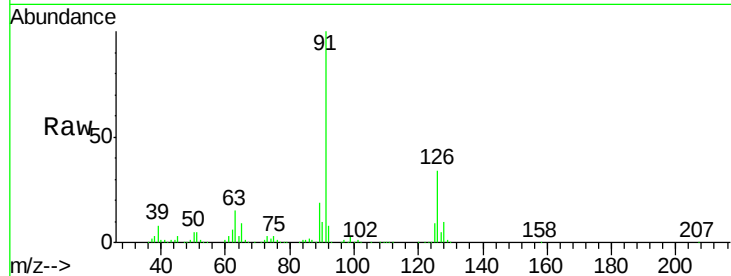
Ion Ratio Lower Upper

91 100

126 33.6 0.0 63.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN064415.D (-3380) (-)

Ion 126.00 (125.70 to 126.70): VN064415.D (-3380) (-)

1000000

800000

600000

400000

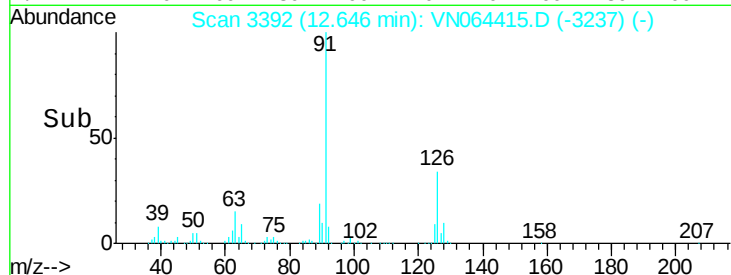
200000

0

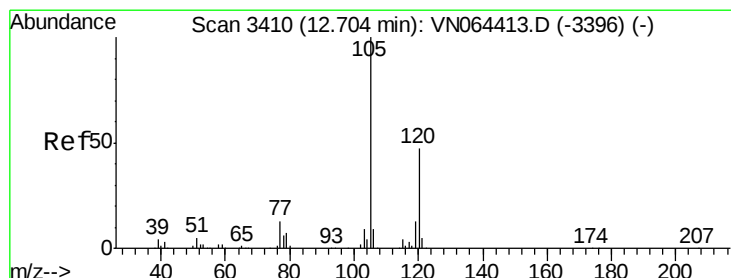
12.60

12.65

12.70



Time-->



#76

1,3,5-Trimethylbenzene

Concen: 101.102 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064415.D

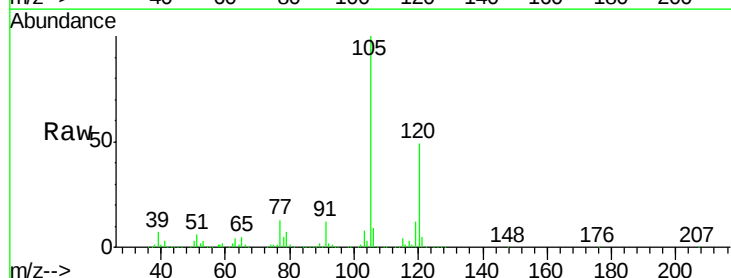
Acq: 2 Nov 2020 15:01

Tgt Ion:105 Resp: 1557734

Ion Ratio Lower Upper

105 100

120 48.2 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064415.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN064415.D (-3396) (-)

1000000

800000

600000

400000

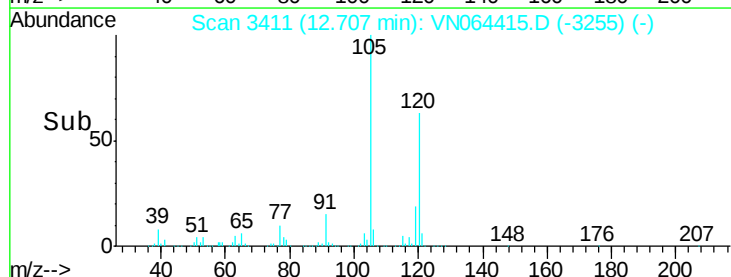
200000

0

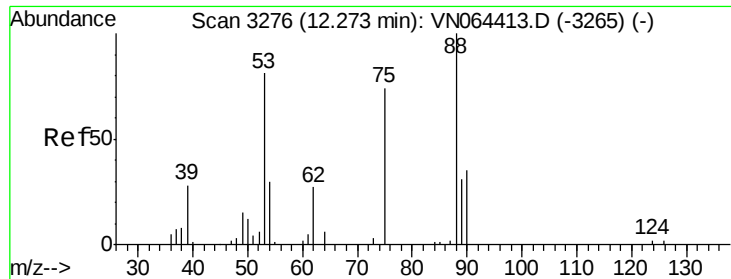
12.70

12.71

12.80



Time-->



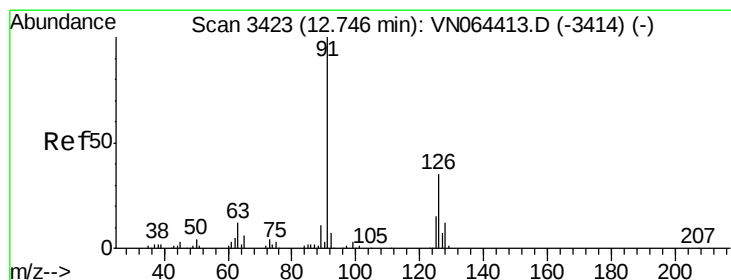
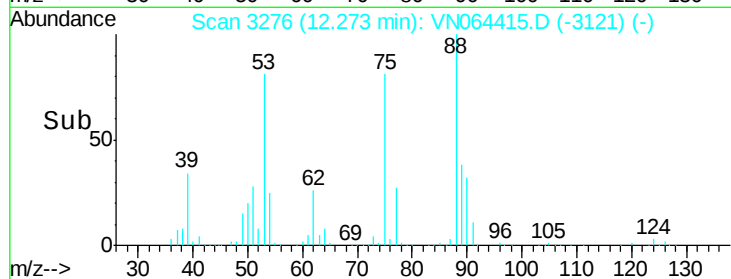
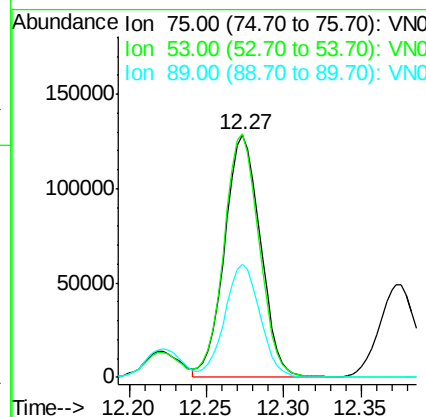
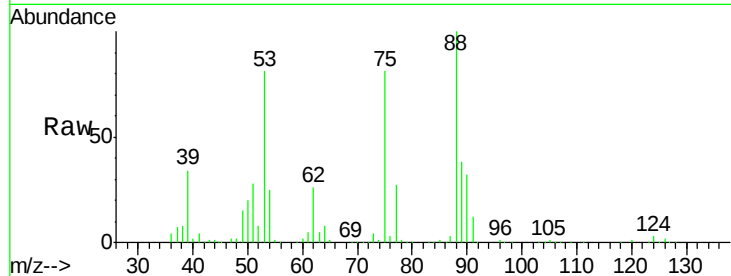
#77
t-1,4-Dichloro-2-butene
Concen: 102.587 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
53	100.5	54.1	162.4	
89	46.8	23.1	69.3	

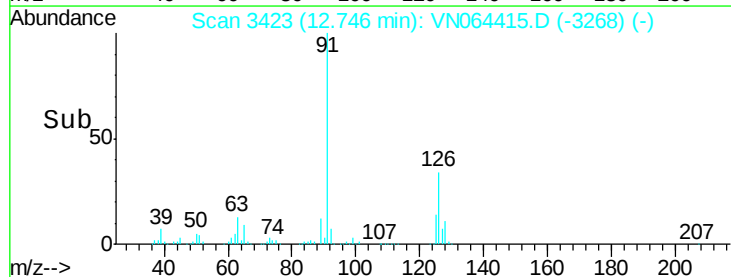
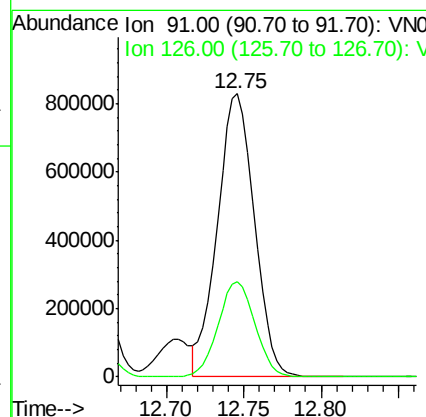
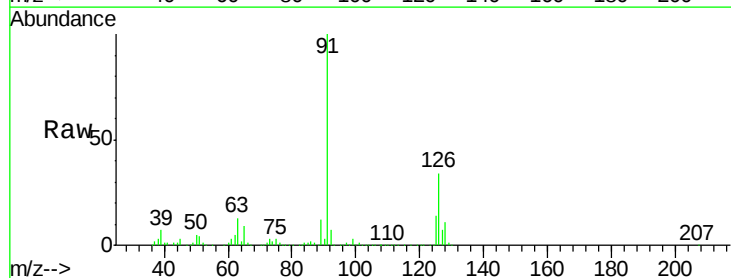
Manual Integrations
APPROVED

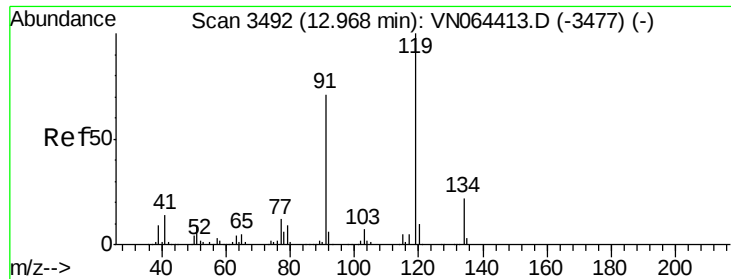
MMDadoda
11/3/2020 2:20:48 PM



#78
4-Chlorotoluene
Concen: 102.398 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100			
126	33.6	0.0	63.2	





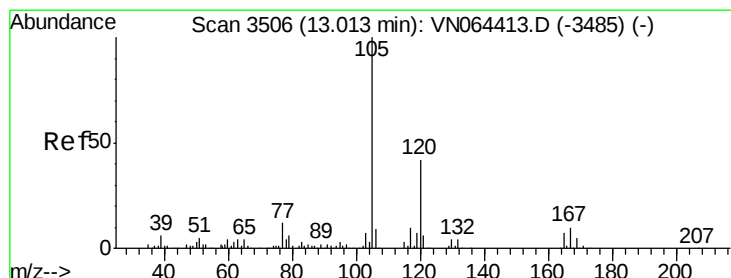
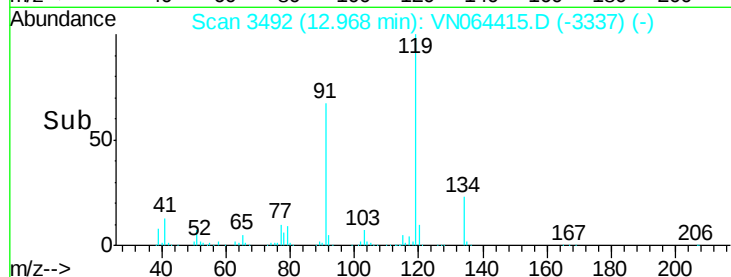
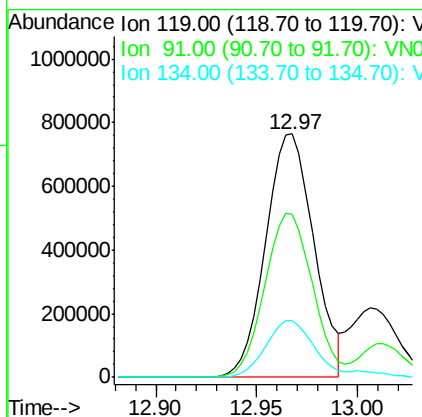
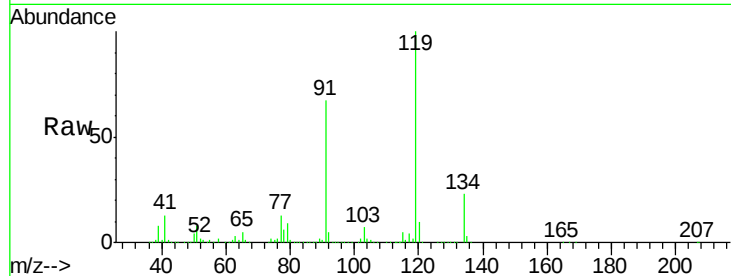
#79
tert-butylbenzene
Concen: 99.694 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	0.0	140.4
134	23.6	0.0	46.2

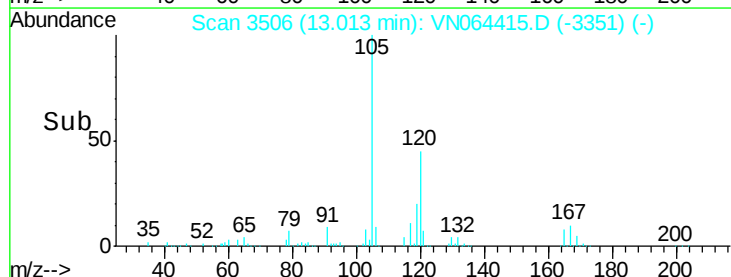
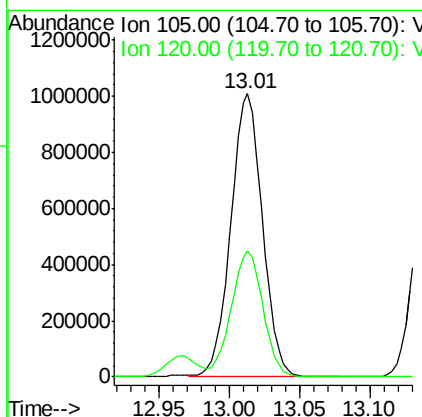
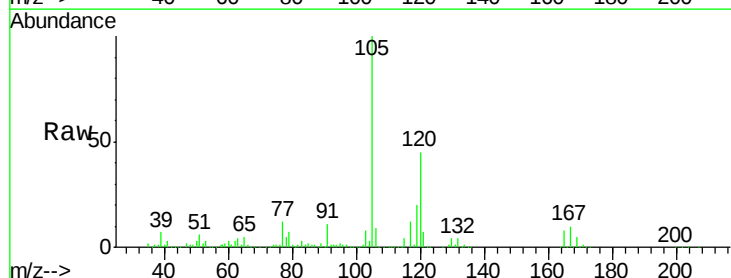
Manual Integrations
APPROVED

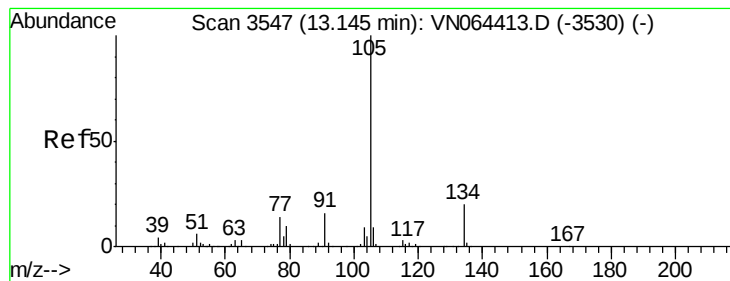
MMDadoda
11/3/2020 2:20:48 PM



#80
1,2,4-Trimethylbenzene
Concen: 101.338 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	0.0	88.0





#81

sec-Butylbenzene

Concen: 96.005 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1574395

Ion Ratio Lower Upper

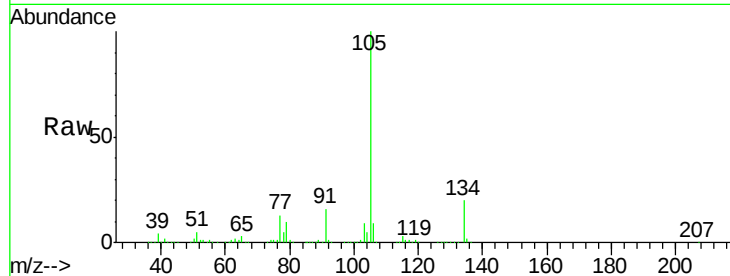
105 100

134 19.8 0.0 39.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1200000

1000000

800000

600000

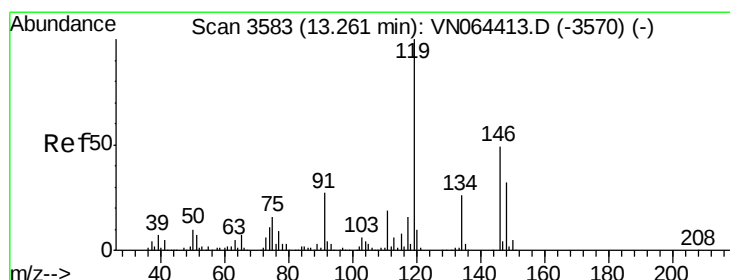
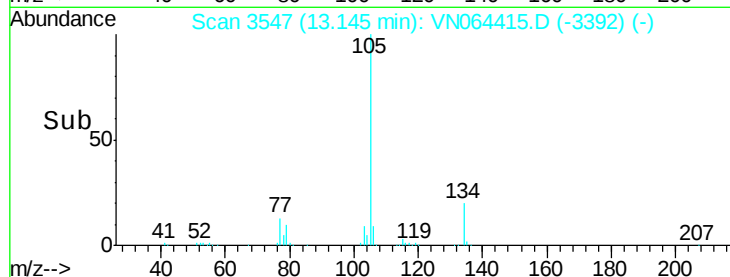
400000

200000

0

13.10 13.15 13.20

Time-->



#82

p-Isopropyltoluene

Concen: 98.309 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

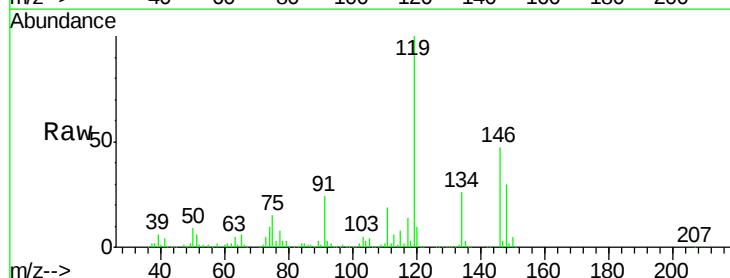
Tgt Ion:119 Resp: 1477731

Ion Ratio Lower Upper

119 100

134 25.9 0.0 51.0

91 24.5 0.0 51.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1200000

1000000

800000

600000

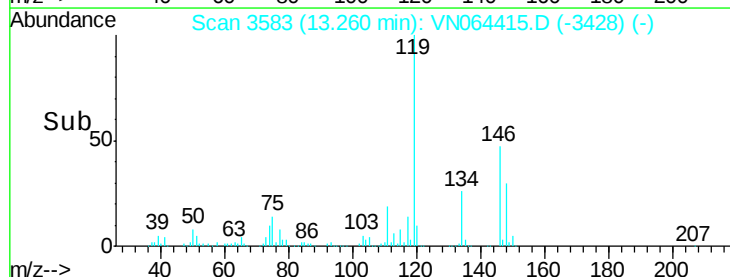
400000

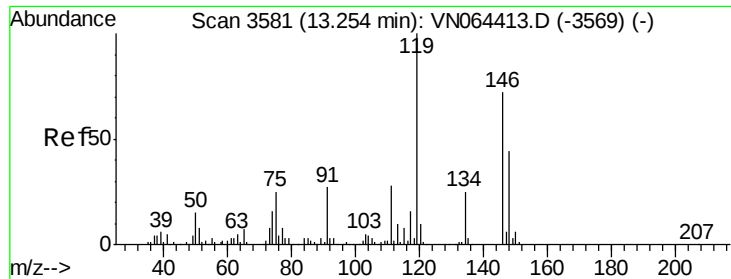
200000

0

13.20 13.25 13.30

Time-->





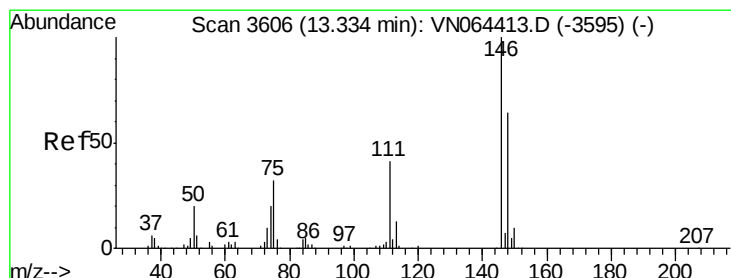
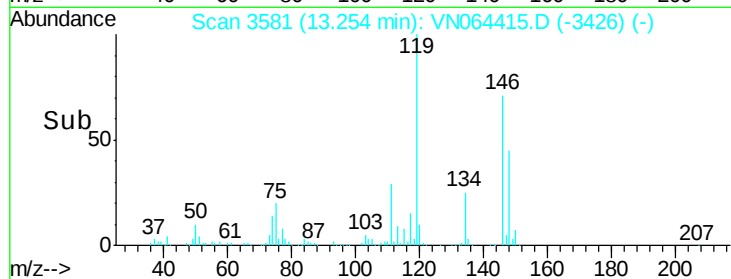
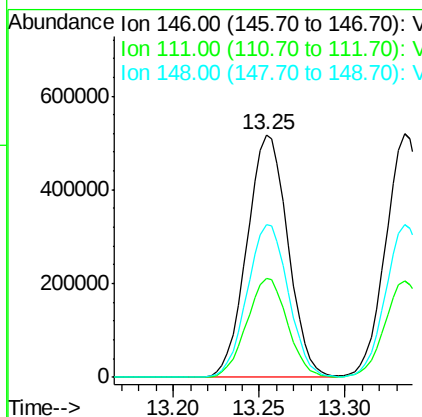
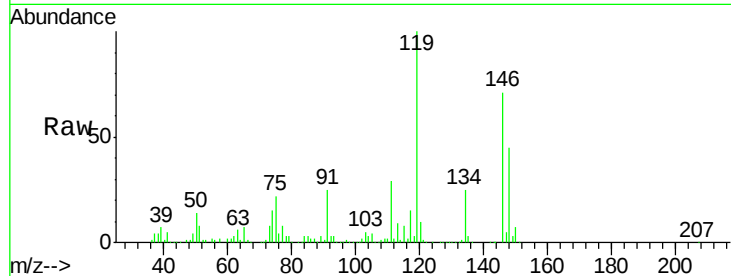
#83
 1,3-Dichlorobenzene
 Concen: 108.529 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.6
148	63.6	31.9	95.5

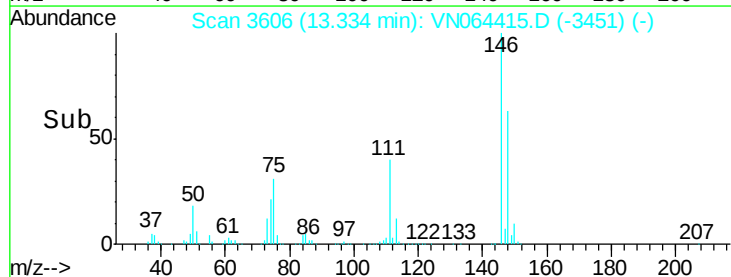
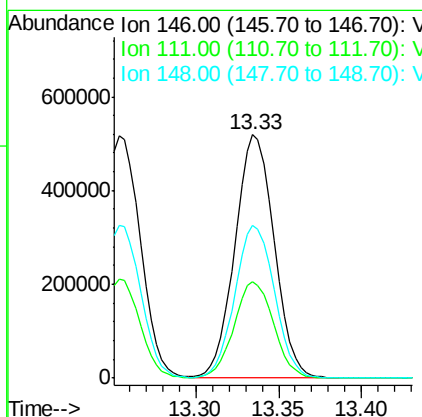
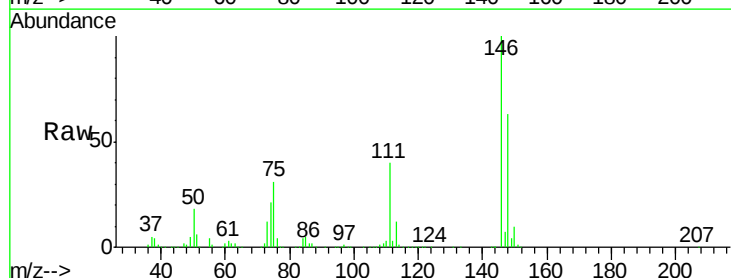
Manual Integrations
 APPROVED

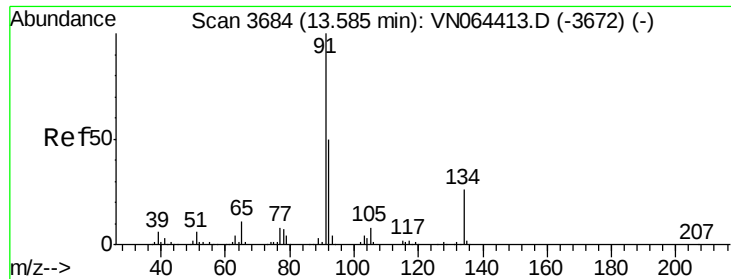
MMDadoda
 11/3/2020 2:20:48 PM



#84
 1,4-Dichlorobenzene
 Concen: 107.634 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.6
148	63.5	31.9	95.5





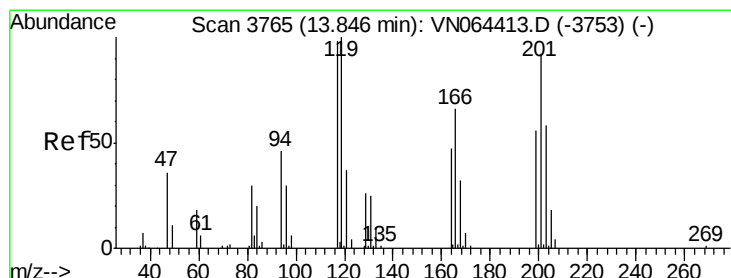
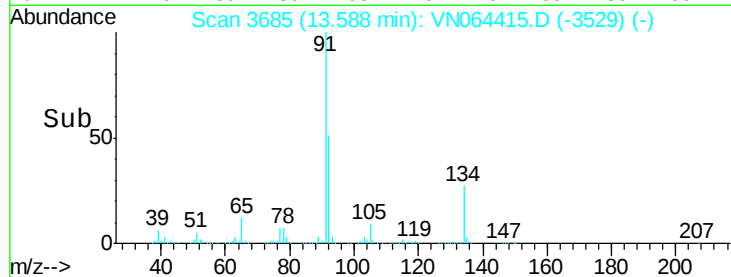
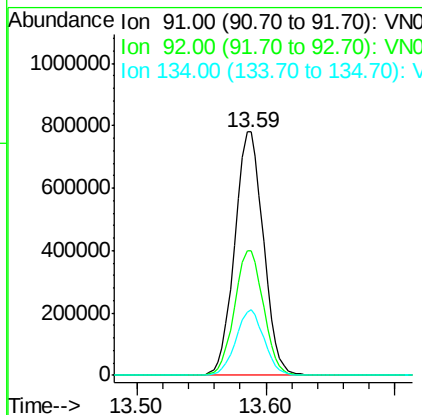
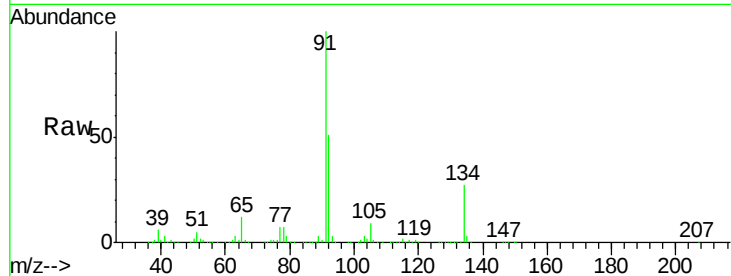
#85
n-Butylbenzene
Concen: 93.107 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1210037
Ion Ratio Lower Upper
91 100
92 51.6 0.0 99.4
134 26.3 0.0 50.0

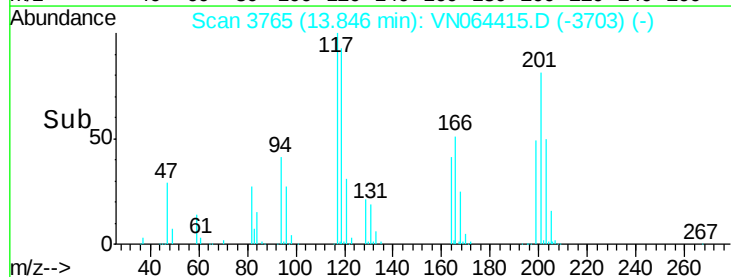
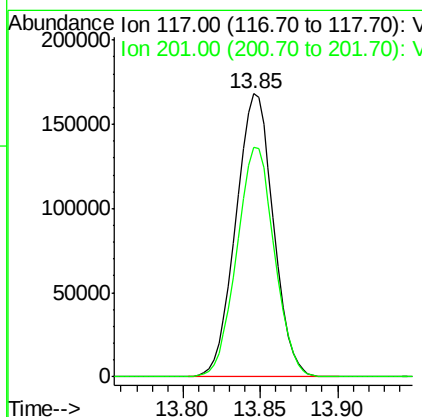
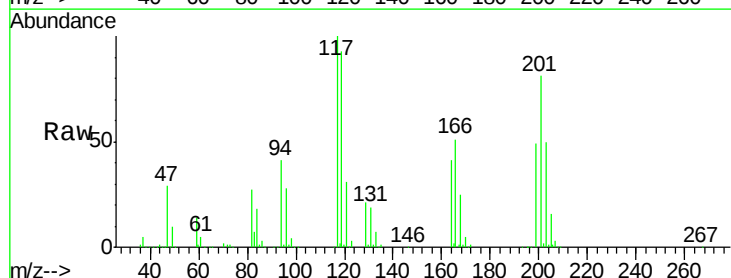
Manual Integrations
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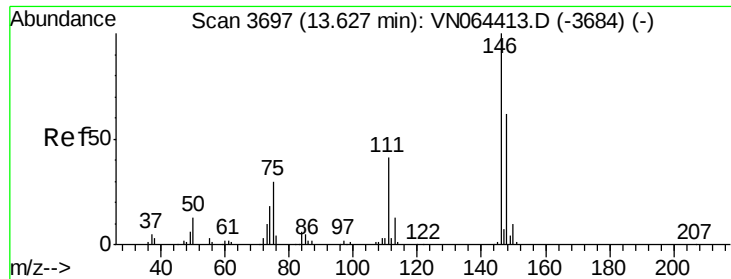
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#86
Hexachloroethane
Concen: 101.917 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion: 117 Resp: 283841
Ion Ratio Lower Upper
117 100
201 81.4 42.7 128.1





#87

1,2-Dichlorobenzene

Concen: 105.826 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Instrument :

MSVOA_N

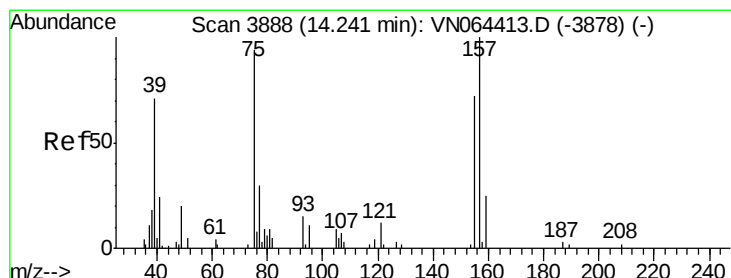
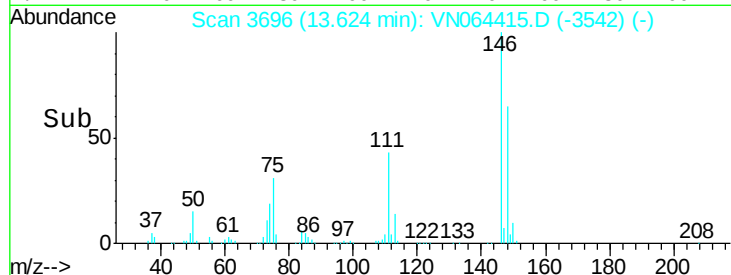
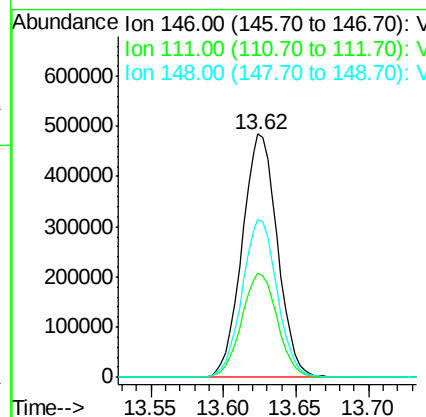
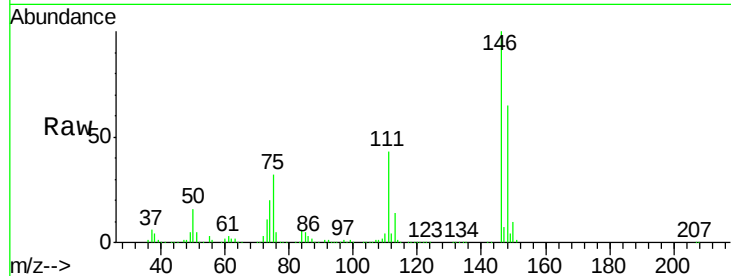
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	819183
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.3	64.0
148	64.7	31.7	95.1

Manual Integrations
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11/3/2020 2:20:48 PM



#88

1,2-Dibromo-3-Chloropropane

Concen: 95.002 ug/l

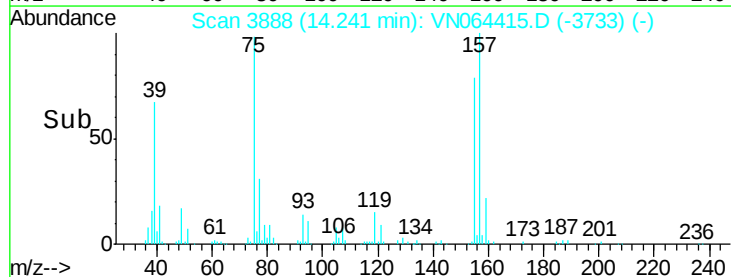
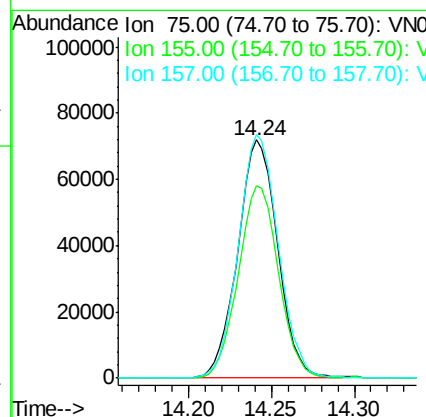
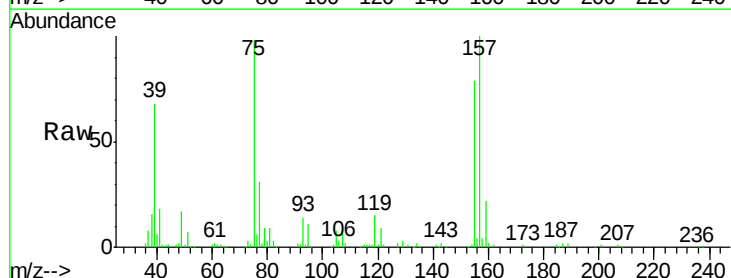
RT: 14.24 min Scan# 3888

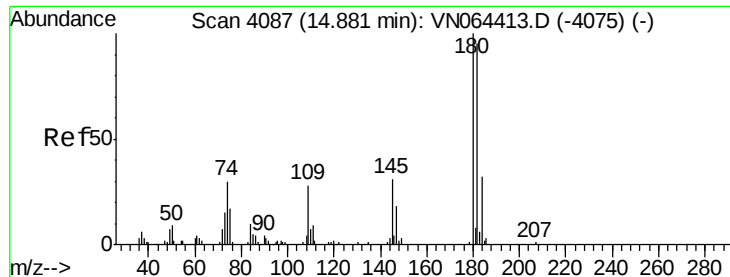
Delta R.T. -0.00 min

Lab File: VN064415.D

Acq: 2 Nov 2020 15:01

Tgt Ion:	75	Resp:	120747
Ion Ratio	Lower	Upper	
75	100		
155	81.0	66.2	99.2
157	102.1	82.7	124.1





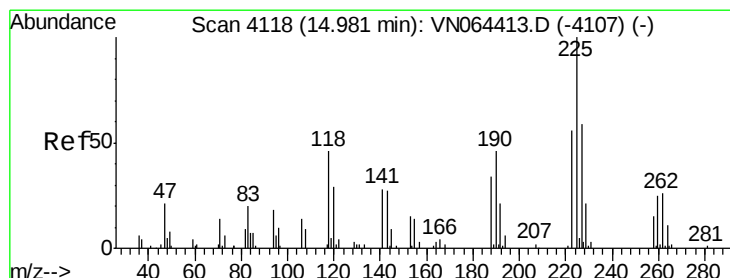
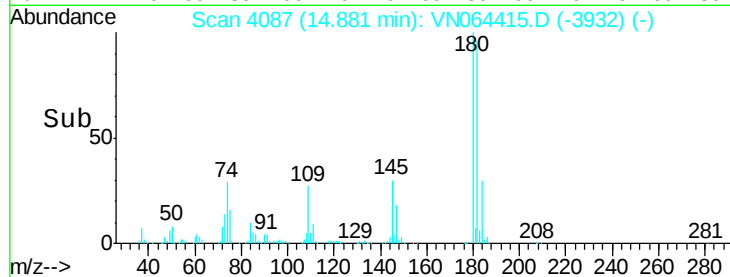
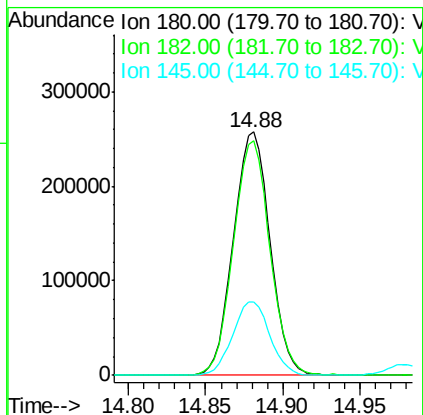
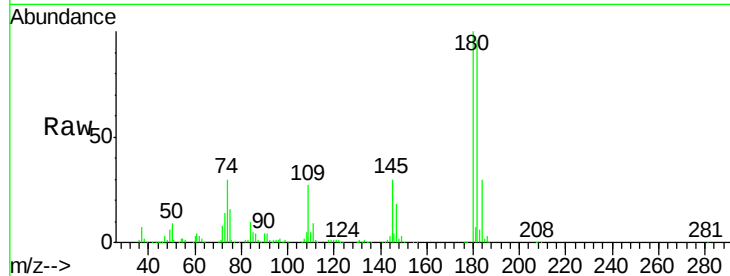
#89
 1,2,4-Trichlorobenzene
 Concen: 99.145 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	423821		
182	96.1	72.6	108.8	
145	30.7	24.3	36.5	

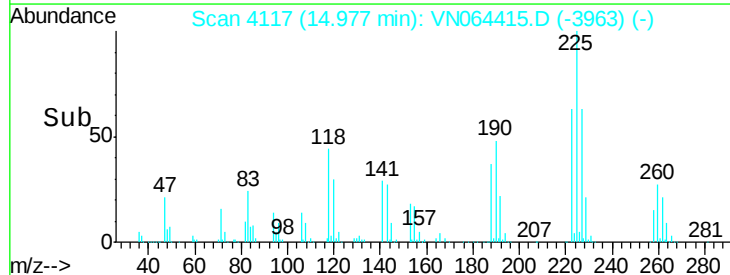
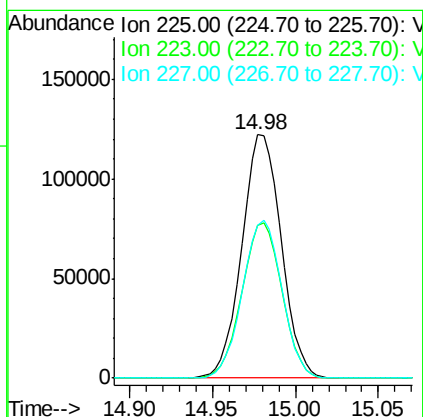
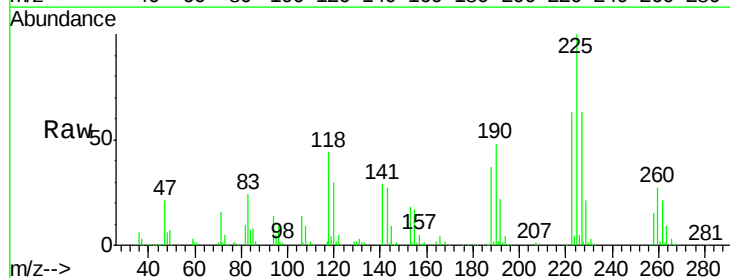
Manual Integrations
 APPROVED

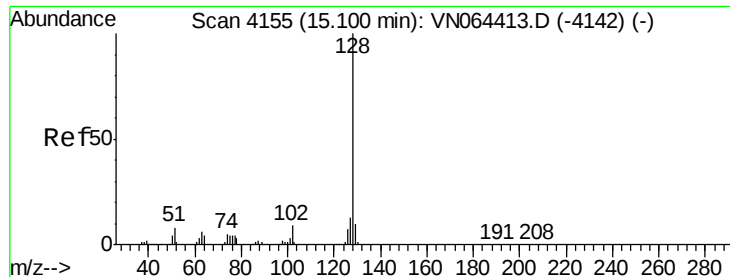
MMDadoda
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#90
 Hexachlorobutadiene
 Concen: 88.111 ug/l
 RT: 14.98 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN064415.D
 Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	203048		
223	64.6	0.0	125.6	
227	64.8	0.0	121.6	





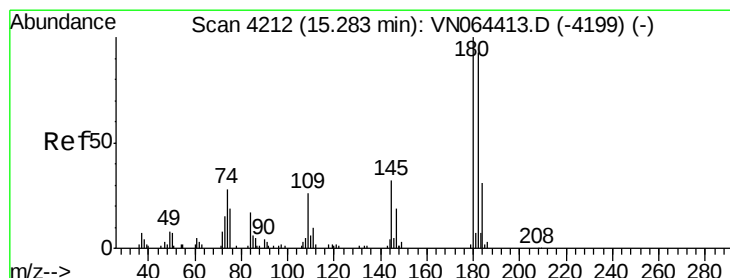
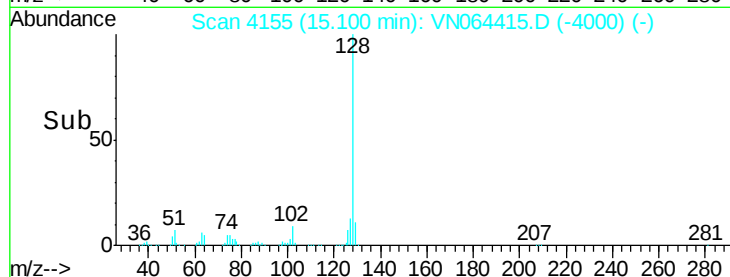
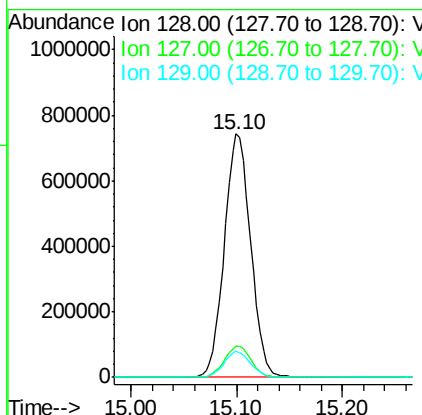
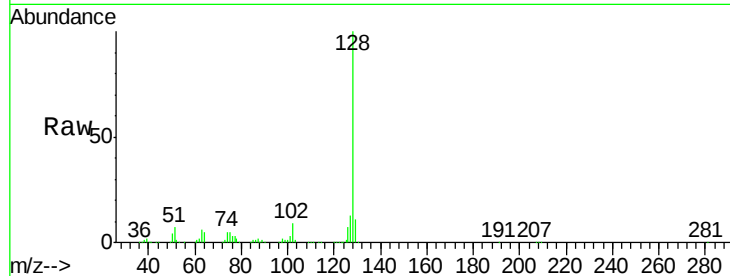
#91
Naphthalene
Concen: 101.186 ug/l
RT: 15.10 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 100.205 ug/l
RT: 15.28 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN064415.D
Acq: 2 Nov 2020 15:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	0.0	191.4
145	31.9	0.0	64.8

