

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064816.D
 Acq On : 24 Nov 2020 17:28
 Operator : JC/MD
 Sample : L4829-13MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 3:57:33 PM

Quant Time: Nov 25 05:20:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	196224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	318592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	284003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	107289	47.03	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.06%
35) Dibromofluoromethane	7.55	113	92949	48.76	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.52%
50) Toluene-d8	10.06	98	366775	47.09	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.18%
62) 4-Bromofluorobenzene	12.37	95	132387	47.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	94.98%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74140	43.596	ug/l	100
3) Chloromethane	2.04	50	97317	44.036	ug/l	99
4) Vinyl Chloride	2.17	62	109603	47.570	ug/l	97
5) Bromomethane	2.53	94	44591	29.498	ug/l	99
6) Chloroethane	2.68	64	67730	47.528	ug/l	100
7) Trichlorofluoromethane	2.99	101	148470	46.616	ug/l	98
8) Diethyl Ether	3.38	74	59921	47.663	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	87947	46.031	ug/l	99
10) Methyl Iodide	3.91	142	80136	32.336	ug/l	98
11) Tert butyl alcohol	4.75	59	72761	204.520	ug/l #	73
12) 1,1-Dichloroethene	3.69	96	90889	47.766	ug/l	98
13) Acrolein	3.57	56	44757	205.962	ug/l	99
14) Allyl chloride	4.28	41	149194	47.539	ug/l	98
15) Acrylonitrile	4.93	53	244459	248.736	ug/l	97
16) Acetone	3.78	43	211920	282.596	ug/l	96
17) Carbon Disulfide	4.01	76	234382	47.707	ug/l	99
18) Methyl Acetate	4.28	43	98696	43.775	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	324561	53.184	ug/l #	1
20) Methylene Chloride	4.50	84	107690	45.828	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	97647	46.212	ug/l	96
22) Diisopropyl ether	5.91	45	317733	50.581	ug/l	97
23) Vinyl Acetate	5.85	43	1223154	243.497	ug/l	98
24) 1,1-Dichloroethane	5.80	63	182491	48.611	ug/l	100
25) 2-Butanone	6.79	43	297523	244.747	ug/l	99
26) 2,2-Dichloropropane	6.78	77	142394	43.733	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	119812	50.390	ug/l	98
28) Bromochloromethane	7.15	49	82396	47.977	ug/l	98
29) Tetrahydrofuran	7.17	42	195352	232.799	ug/l	99
30) Chloroform	7.33	83	201344	52.008	ug/l	99
31) Cyclohexane	7.61	56	234459	73.741	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	158804	47.760	ug/l	99
36) 1,1-Dichloropropene	7.75	75	136729	46.301	ug/l	98
37) Ethyl Acetate	6.88	43	119239	41.918	ug/l	99
38) Carbon Tetrachloride	7.73	117	141670	46.107	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	270905	85.218	ug/l	98
40) Benzene	8.00	78	1095113	121.019	ug/l	99
41) Methacrylonitrile	7.12	41	61810	47.092	ug/l	90
42) 1,2-Dichloroethane	8.09	62	139767	45.785	ug/l	92
43) Isopropyl Acetate	8.13	43	234937	51.327	ug/l	95
44) Trichloroethene	8.80	130	119886	44.902	ug/l	100
45) 1,2-Dichloropropane	9.08	63	110540	47.170	ug/l	98
46) Dibromomethane	9.17	93	72996	46.626	ug/l	99
47) Bromodichloromethane	9.37	83	157897	50.124	ug/l	97
48) Methyl methacrylate	9.17	41	96726	44.224	ug/l	96
49) 1,4-Dioxane	9.17	88	32877	795.321	ug/l #	95
51) 4-Methyl-2-Pentanone	9.95	43	628269	228.633	ug/l	100
52) Toluene	10.12	92	289598	51.966	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	161411	46.005	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	176928	47.046	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	140745	61.418	ug/l	96
56) Ethyl methacrylate	10.40	69	157120	49.685	ug/l	100
57) 1,3-Dichloropropane	10.68	76	179728	47.545	ug/l	99
59) 2-Hexanone	10.72	43	459676	232.436	ug/l	98
60) Dibromochloromethane	10.87	129	118957	46.699	ug/l	98
61) 1,2-Dibromoethane	10.98	107	108331	46.530	ug/l	96
64) Tetrachloroethene	10.60	164	118051	42.725	ug/l	99
65) Chlorobenzene	11.40	112	292339	47.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	106932	47.709	ug/l	100
67) Ethyl Benzene	11.48	91	1010811	99.210	ug/l	99
68) m/p-Xylenes	11.59	106	635171	164.659	ug/l	99
69) o-Xylene	11.92	106	198421	54.205	ug/l	100
70) Stvrene	11.94	104	320922	51.932	ug/l	99
71) Bromoform	12.10	173	82355	46.004	ug/l #	99
73) Isopropylbenzene	12.22	105	747827	77.331	ug/l	100
74) N-amyl acetate	12.04	43	181972	47.816	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	140808	49.677	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	143163m	47.815	ug/l	
77) Bromobenzene	12.50	156	123907	47.526	ug/l	99
78) n-propylbenzene	12.56	91	1075575	97.632	ug/l	99
79) 2-Chlorotoluene	12.65	91	349022	51.253	ug/l	97
80) 1,3,5-Trimethylbenzene	12.70	105	480550	59.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	46712	42.759	ug/l	95
82) 4-Chlorotoluene	12.75	91	345077	48.344	ug/l	98
83) tert-Butylbenzene	12.97	119	361930	53.719	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	1124151	138.322	ug/l	99
85) sec-Butylbenzene	13.14	105	513996	57.458	ug/l	97
86) p-Isopropyltoluene	13.26	119	440631	54.103	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	222858	48.112	ug/l	100
88) 1,4-Dichlorobenzene	13.33	146	224707	45.872	ug/l	99
89) n-Butylbenzene	13.59	91	430648	60.212	ug/l	95
90) Hexachloroethane	13.85	117	98591	69.684	ug/l	71
91) 1,2-Dichlorobenzene	13.63	146	213598	46.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30415	47.689	ug/l	98
93) 1,2,4-Trichlorobenzene	14.88	180	134100	47.662	ug/l	97

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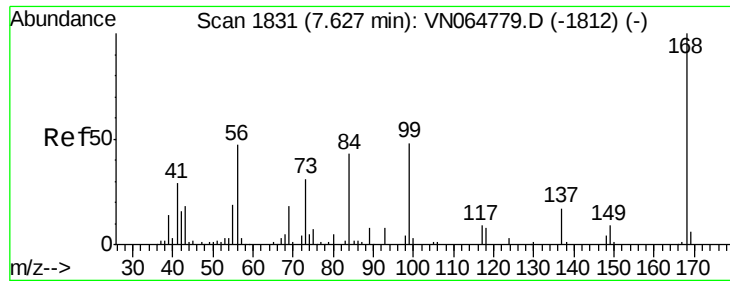
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.98	225	56713	44.802	ug/l	99
95) Naphthalene	15.10	128	886297	105.148	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	132900	49.714	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion:168 Resp: 196224

Ion Ratio Lower Upper

168 100

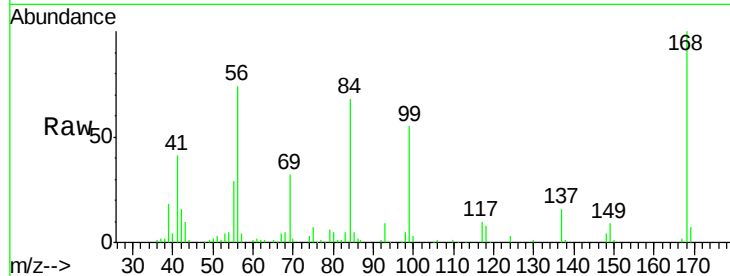
99 54.9 43.0 64.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

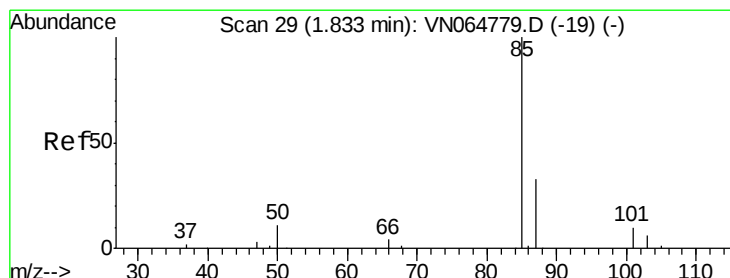
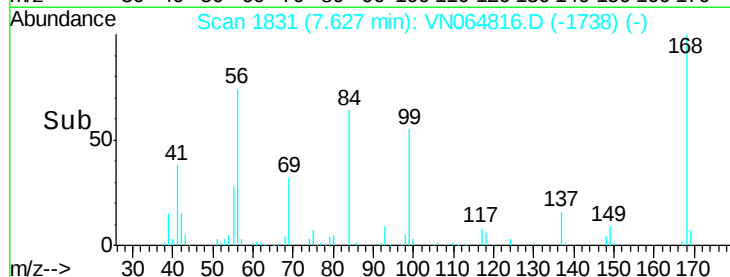
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.596 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064816.D

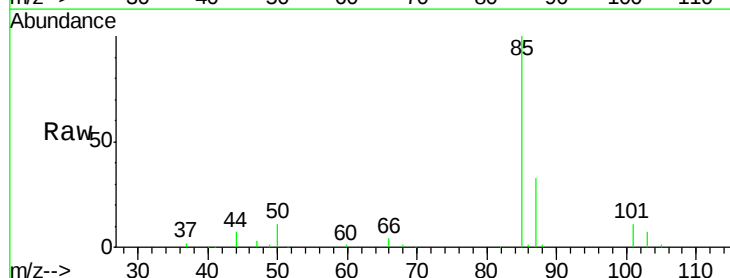
Acq: 24 Nov 2020 17:28

Tgt Ion: 85 Resp: 74140

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

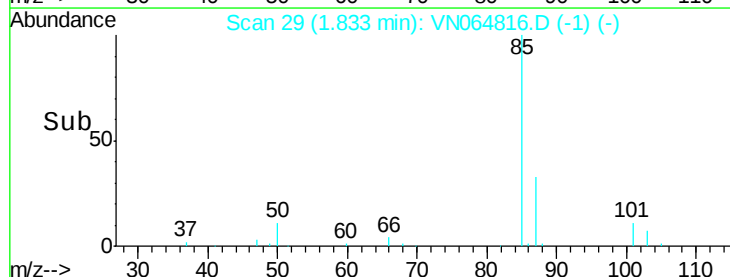
30000

20000

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0

Time-->





#3

Chloromethane

Concen: 44.036 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion: 50 Resp: 97317

Ion Ratio Lower Upper

50 100

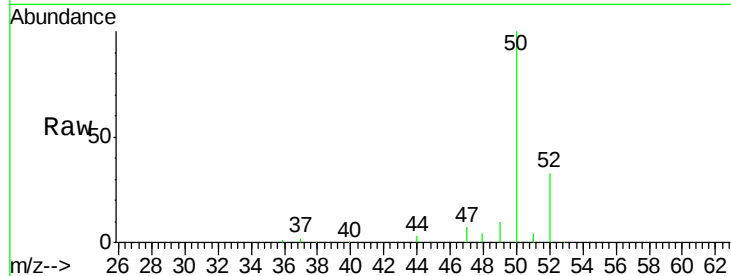
52 32.9 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

80000

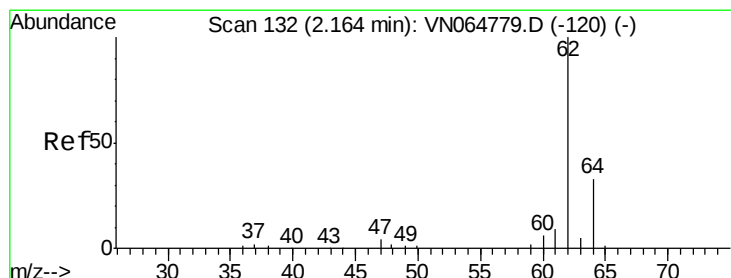
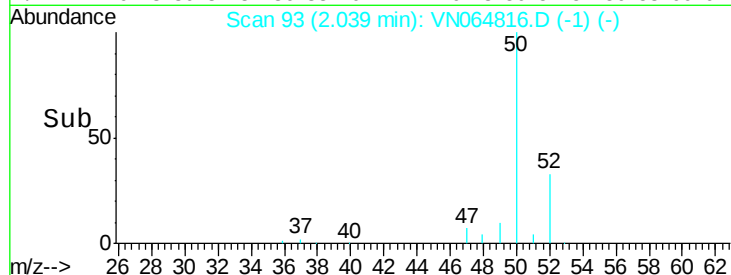
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40000

20000

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Time-->



#4

Vinyl Chloride

Concen: 47.570 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064816.D

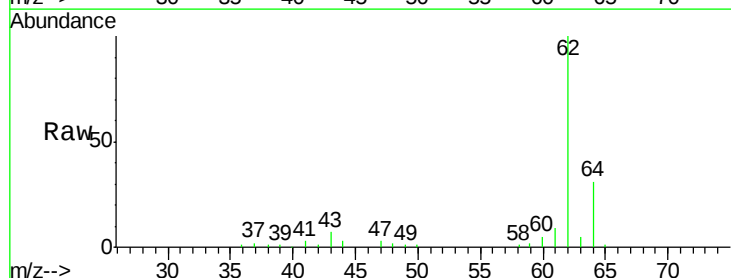
Acq: 24 Nov 2020 17:28

Tgt Ion: 62 Resp: 109603

Ion Ratio Lower Upper

62 100

64 31.2 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

80000

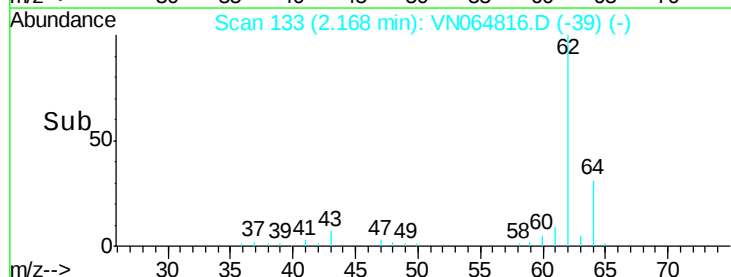
60000

40000

20000

0

Time-->





#5

Bromomethane

Concen: 29.498 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion: 94 Resp: 44591

Ion Ratio Lower Upper

94 100

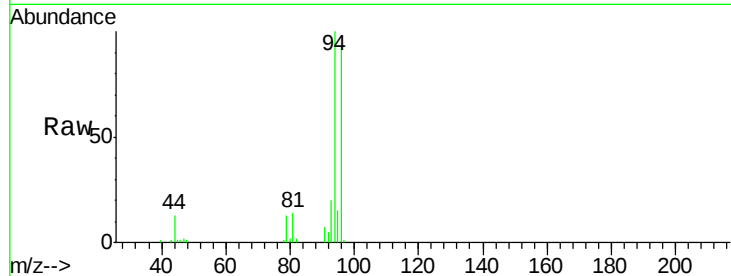
96 93.4 75.4 113.0

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

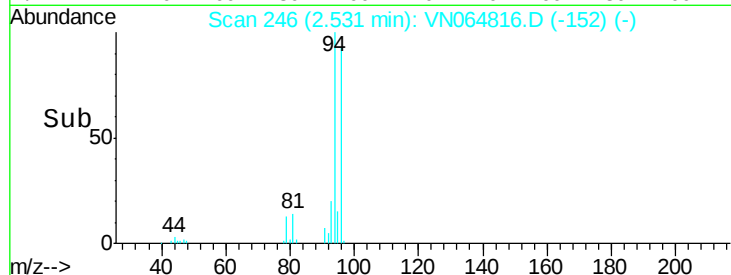
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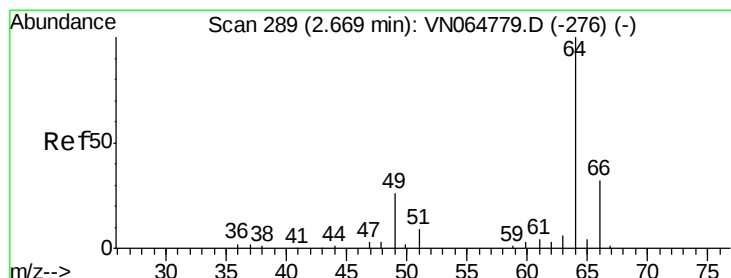
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Time-->



Time-->



#6

Chloroethane

Concen: 47.528 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064816.D

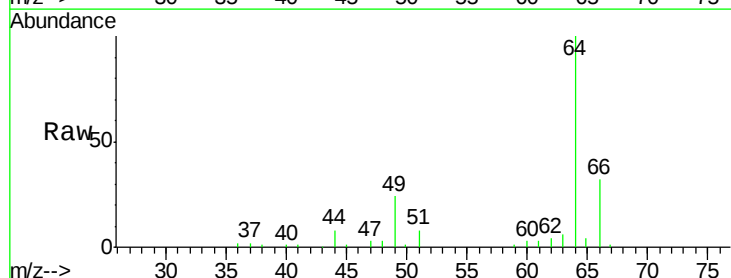
Acq: 24 Nov 2020 17:28

Tgt Ion: 64 Resp: 67730

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

40000

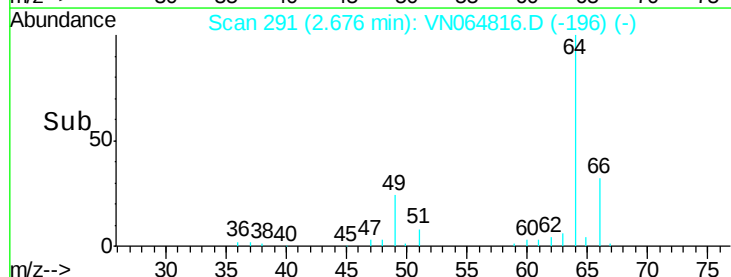
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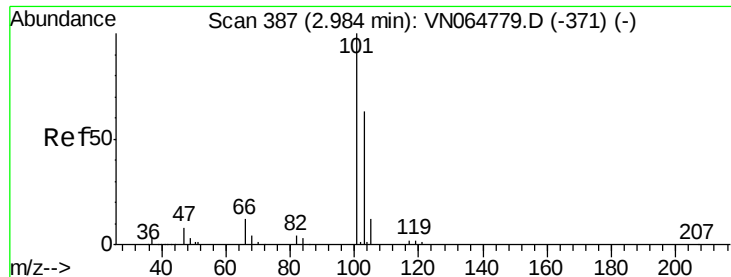
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Time-->



Time-->



#7

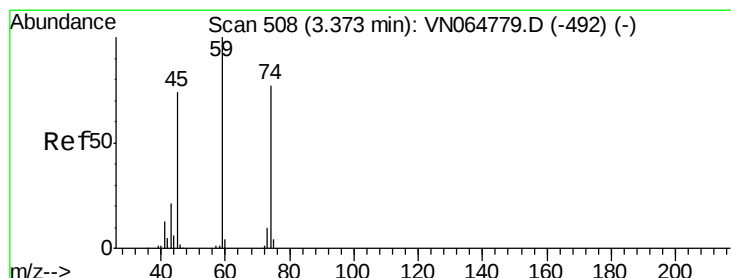
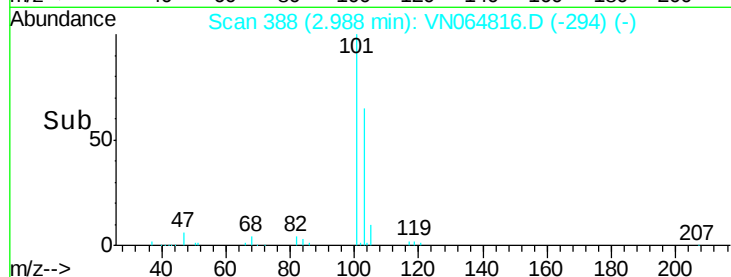
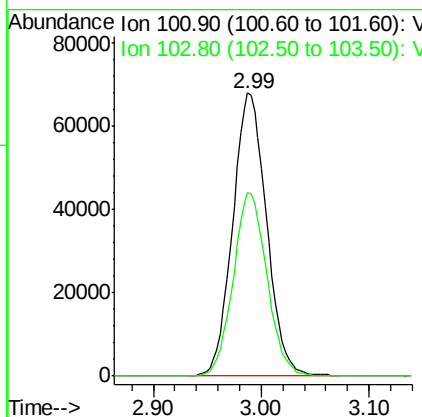
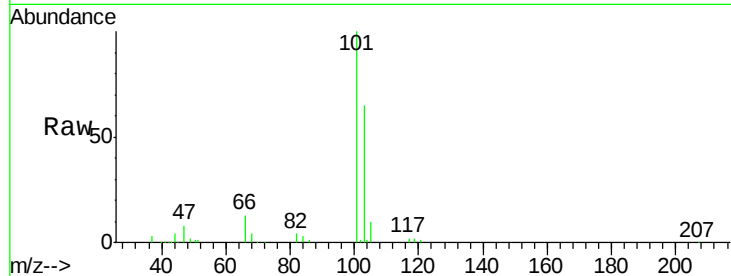
Trichlorofluoromethane
Concen: 46.616 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.5	75.7

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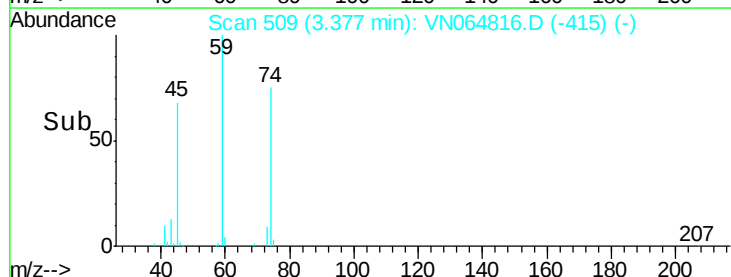
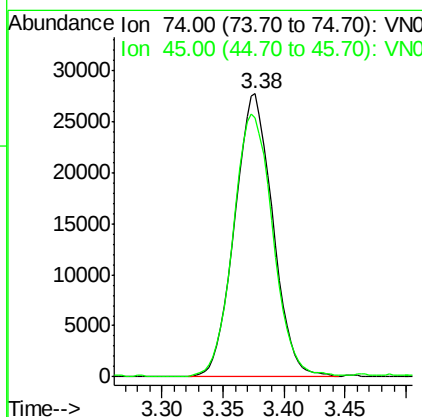
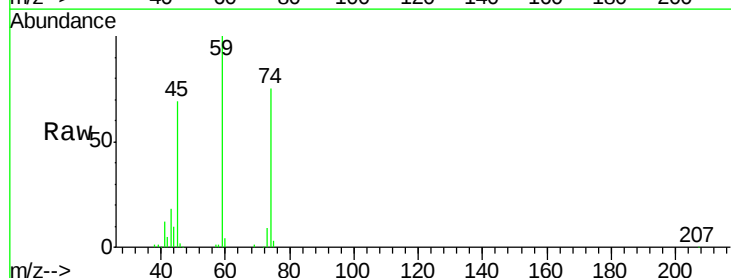
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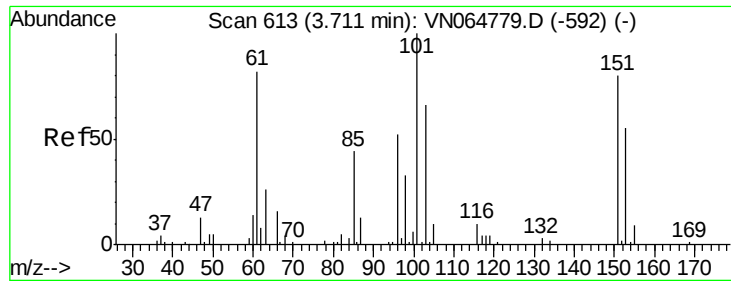


#8

Diethyl Ether
Concen: 47.663 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.031 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.01 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

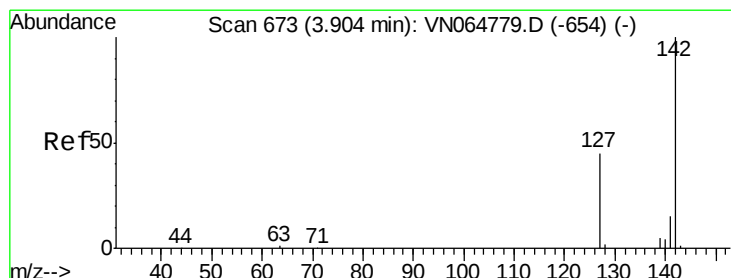
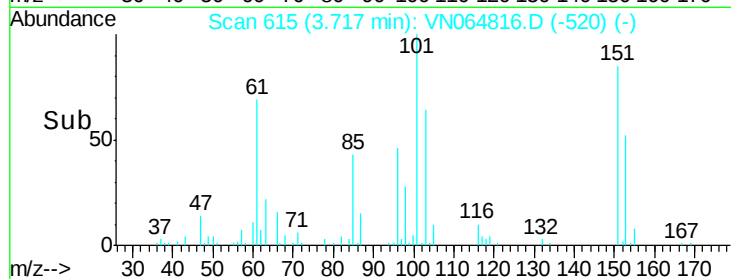
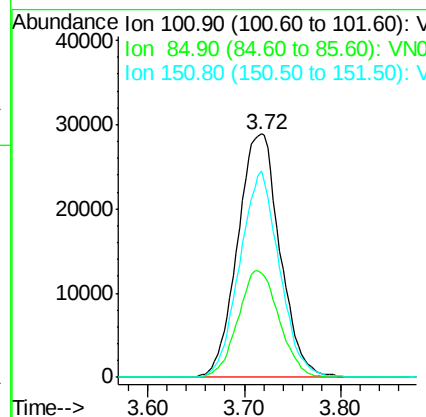
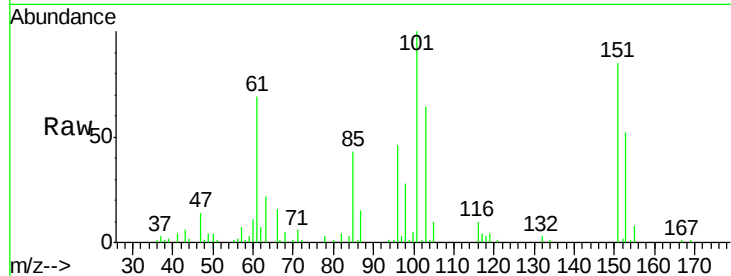
ClientSampleId :

MW-2MS

Tot Ion:	101	Resp:	87947
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	79.2	64.0	96.0

Manual Integrations
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11/25/2020 3:57:33 PM



#10

Methyl Iodide

Concen: 32.336 ug/l

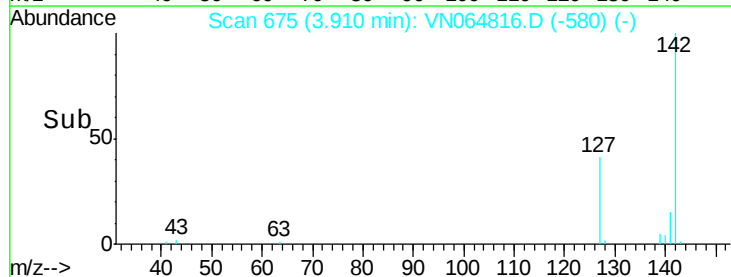
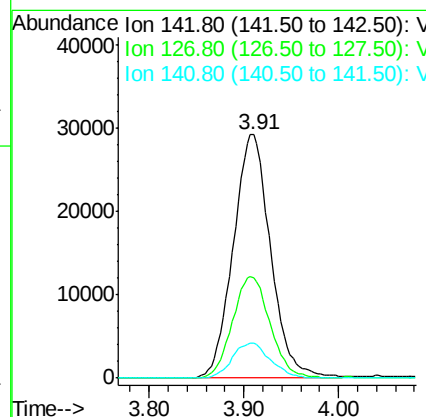
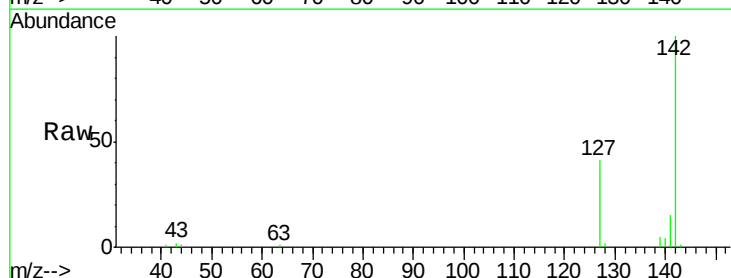
RT: 3.91 min Scan# 675

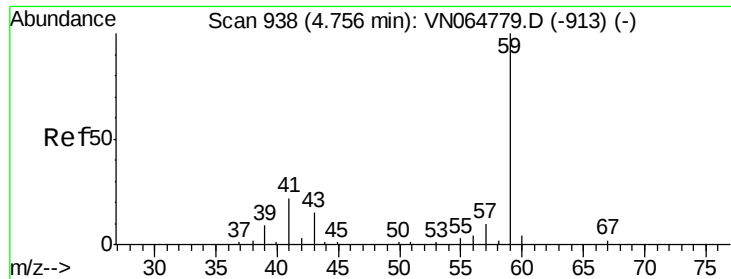
Delta R.T. 0.01 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	142	Resp:	80136
Ion Ratio	Lower	Upper	
142	100		
127	41.9	35.0	52.6
141	14.6	11.8	17.6





#11

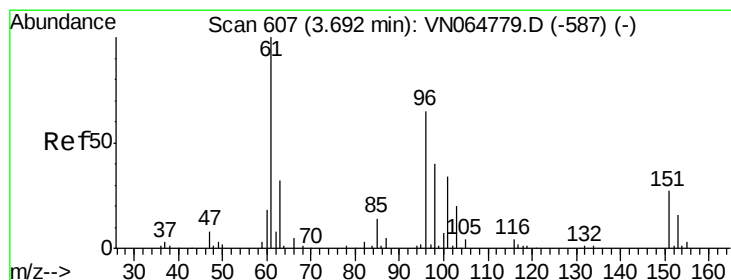
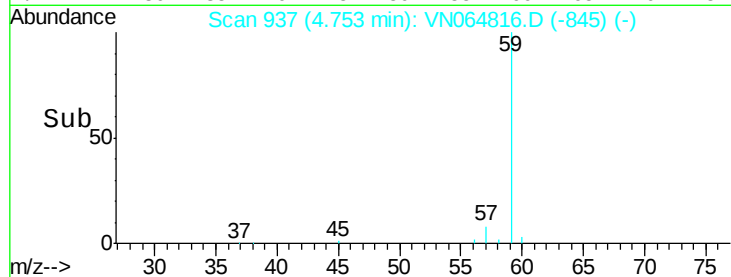
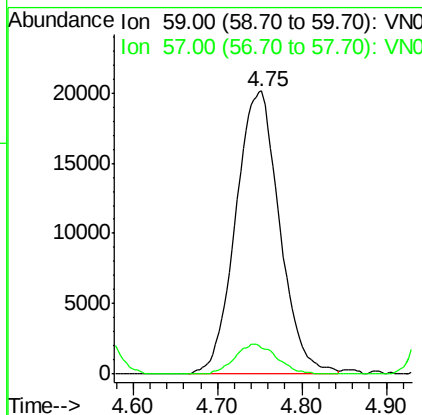
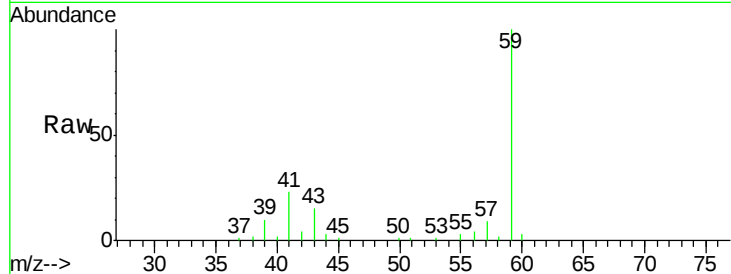
Tert butyl alcohol
Concen: 204.520 ug/l
RT: 4.75 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

Manual Integrations
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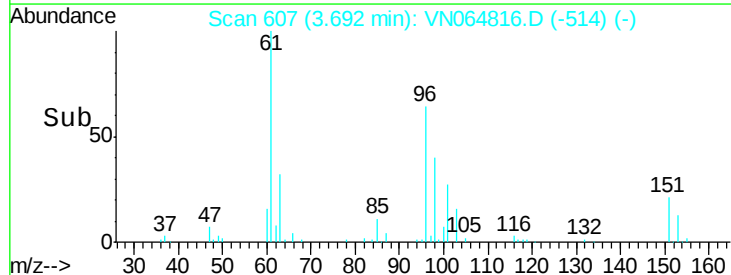
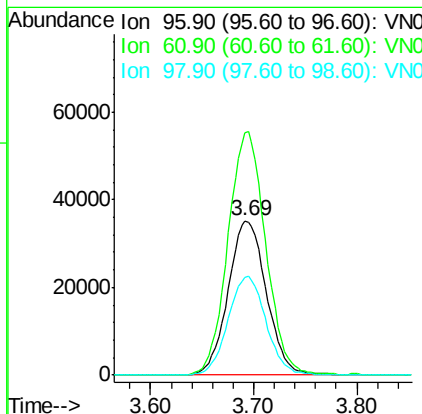
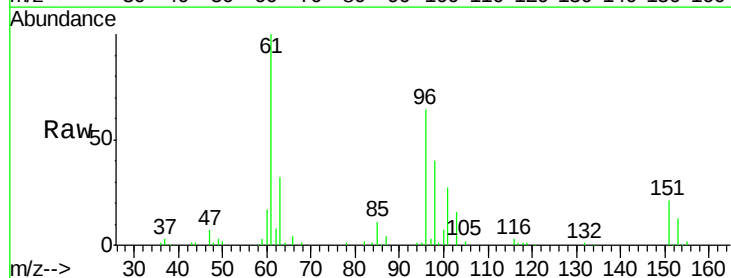
MMDadoda
11/25/2020 3:57:33 PM

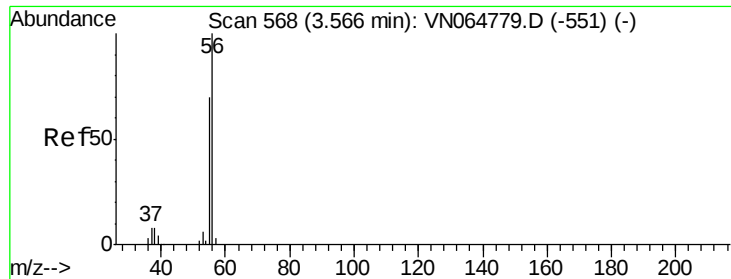


#12

1,1-Dichloroethene
Concen: 47.766 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	123.4	185.2
98	63.4	49.8	74.8





#13

Acrolein

Concen: 205.962 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion: 56 Resp: 44757

Ion Ratio Lower Upper

56 100

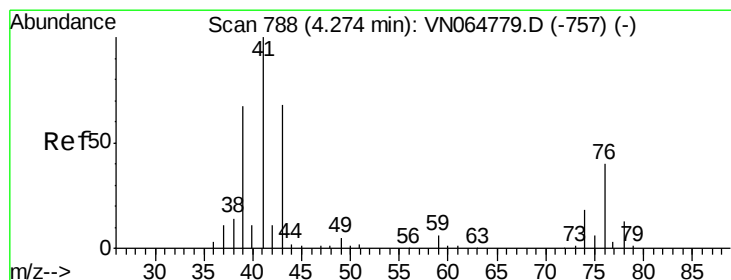
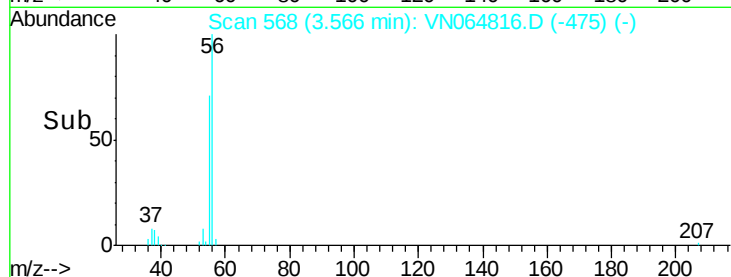
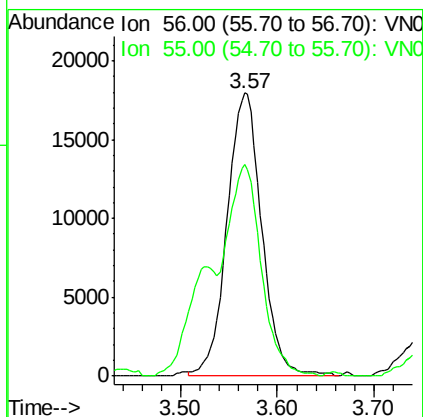
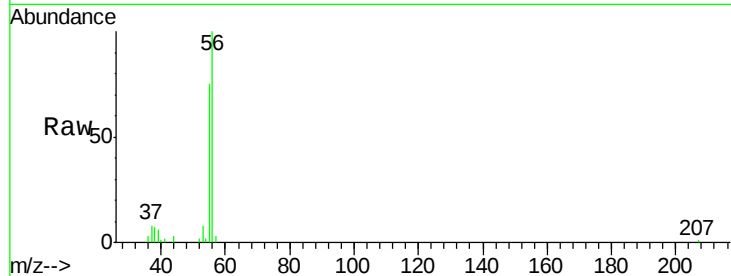
55 71.2 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 47.539 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

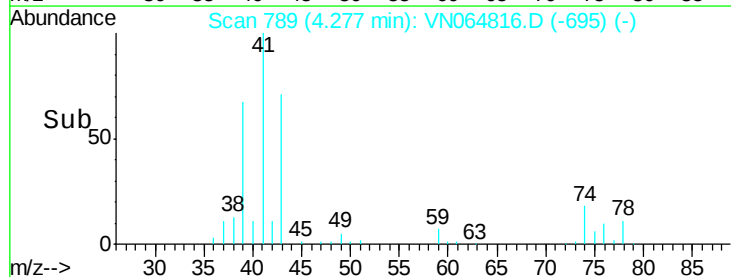
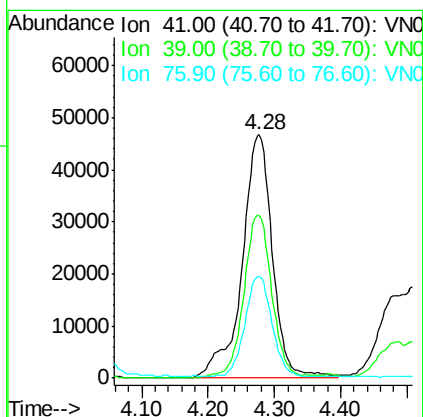
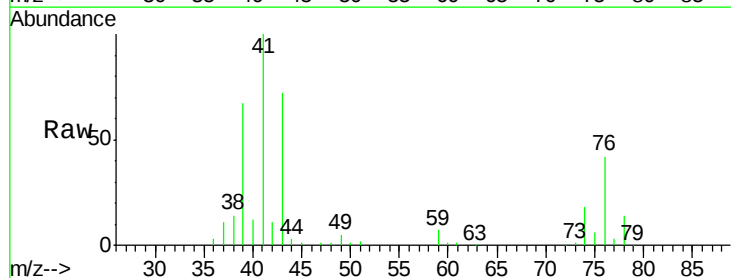
Tgt Ion: 41 Resp: 149194

Ion Ratio Lower Upper

41 100

39 61.6 50.9 76.3

76 36.0 29.0 43.4





#15

Acrylonitrile

Concen: 248.736 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

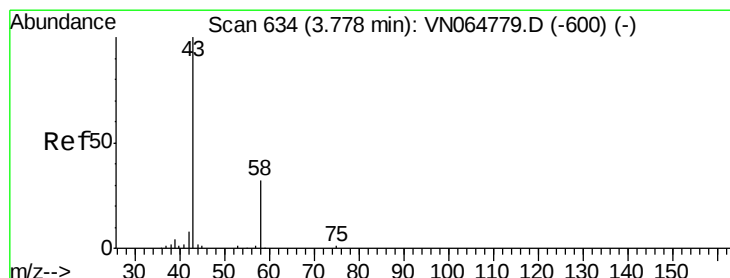
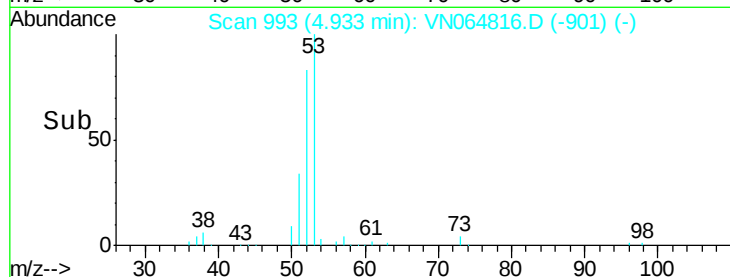
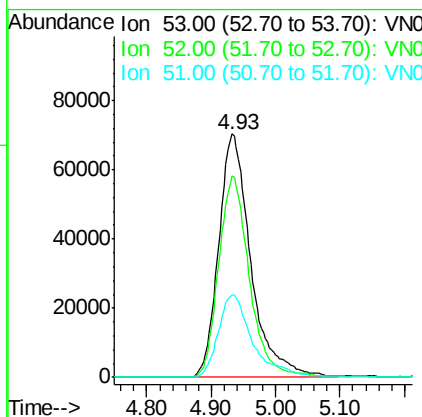
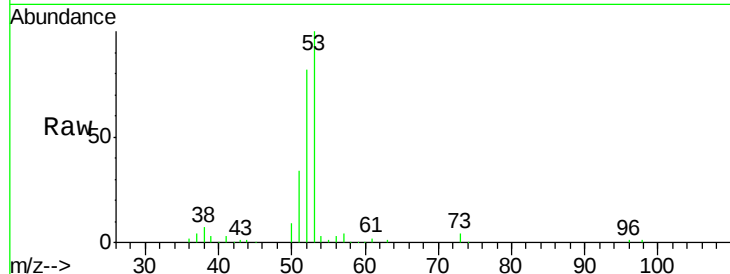
ClientSampleId :

MW-2MS

Tot Ion:	53	Resp:	244459
Ion	Ratio	Lower	Upper
53	100		
52	78.2	65.5	98.3
51	36.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 282.596 ug/l

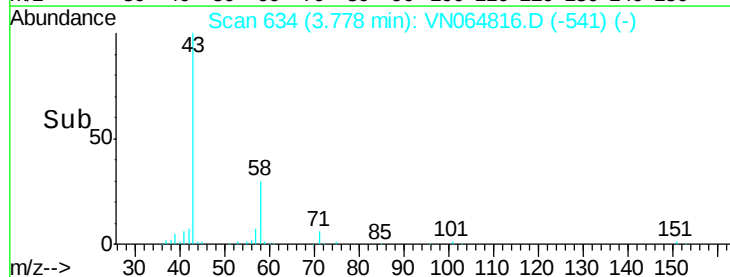
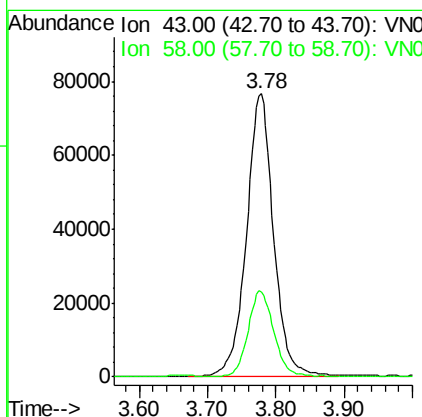
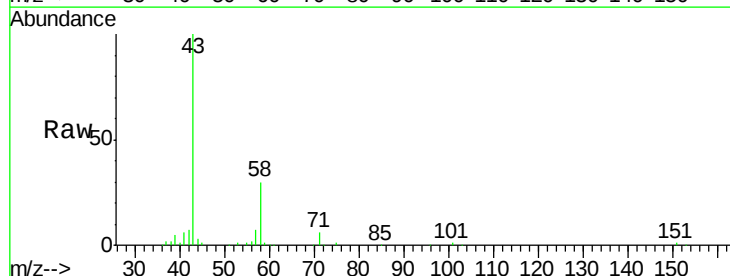
RT: 3.78 min Scan# 634

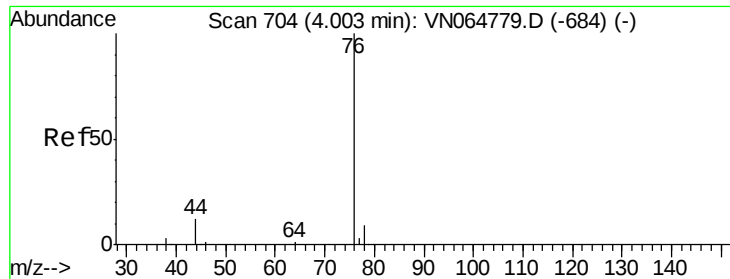
Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	43	Resp:	211920
Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.7	38.5





#17

Carbon Disulfide

Concen: 47.707 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

MW-2MS

Tot Ion: 76 Resp: 234382

Ion Ratio Lower Upper

76 100

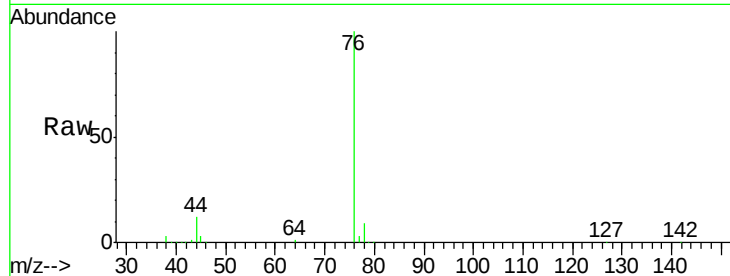
78 9.5 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.01

80000

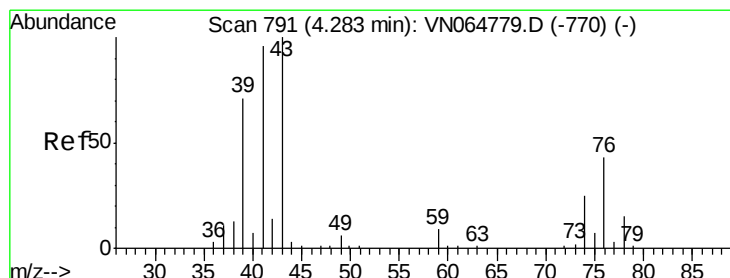
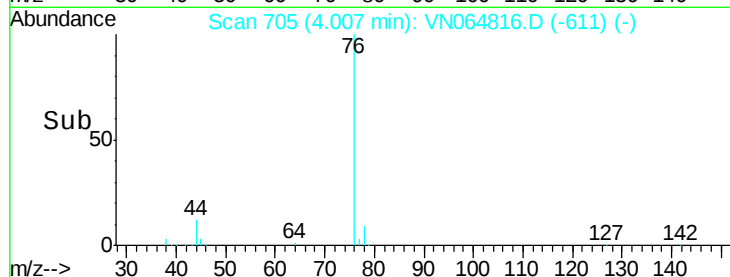
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 43.775 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064816.D

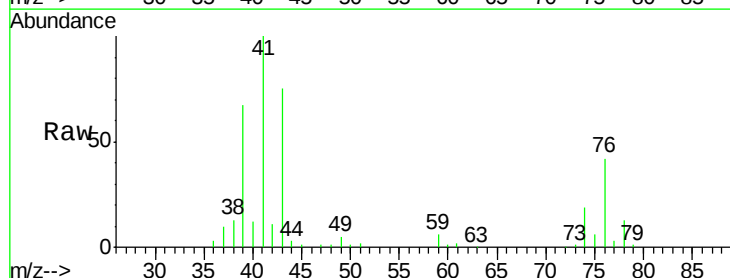
Acq: 24 Nov 2020 17:28

Tgt Ion: 43 Resp: 98696

Ion Ratio Lower Upper

43 100

74 24.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

40000

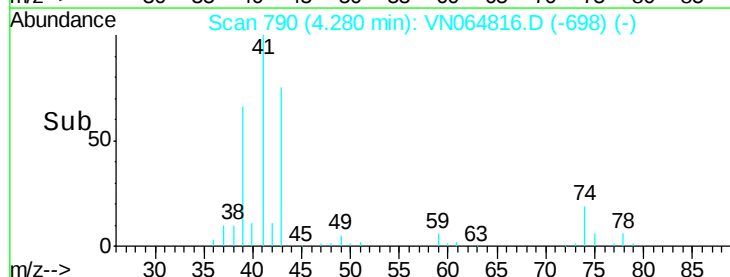
30000

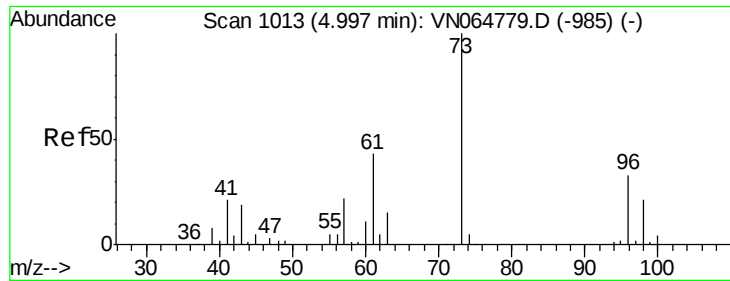
20000

10000

0

Time-->





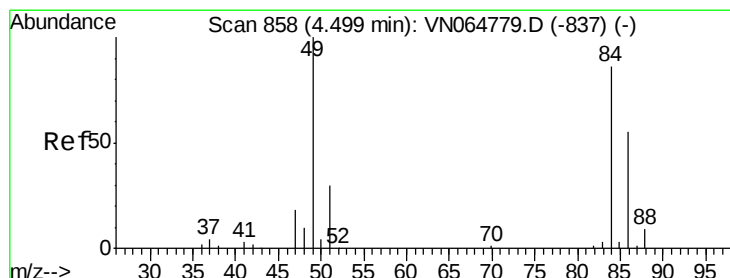
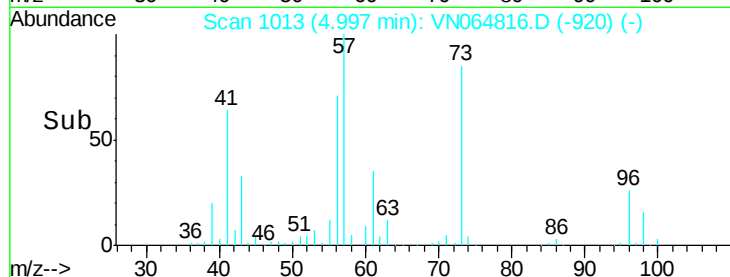
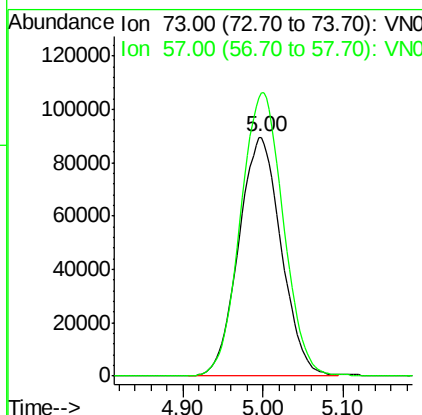
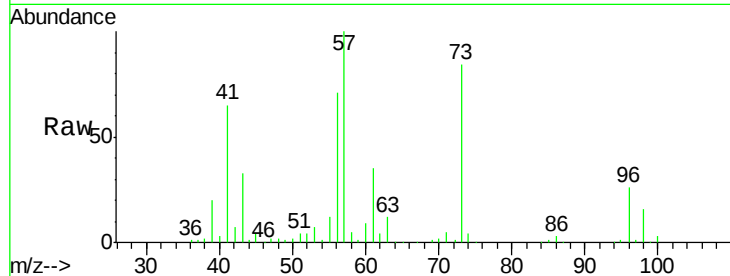
#19
Methvl tert-butvl Ether
Concen: 53.184 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion: 73 Resp: 324561
Ion Ratio Lower Upper
73 100
57 118.5 17.4 26.0#

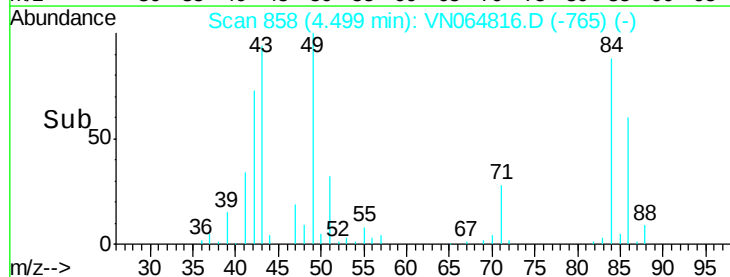
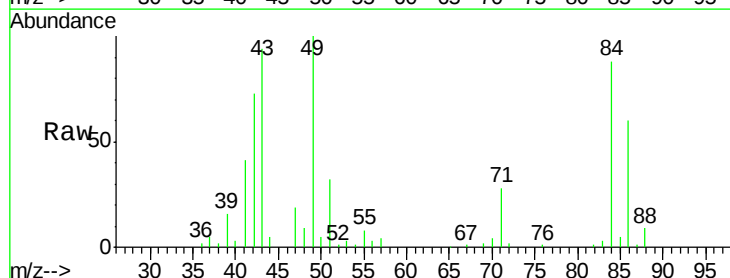
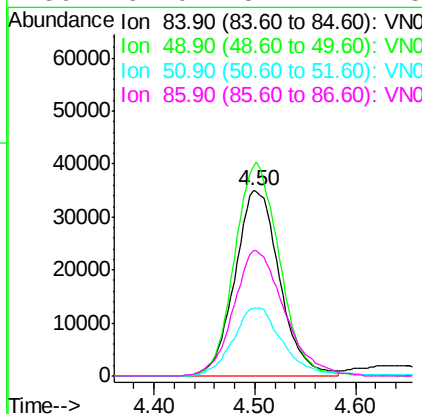
Manual Integrations
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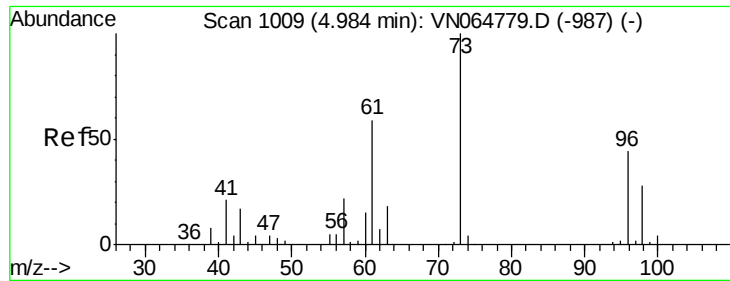
MMDadoda
11/25/2020 3:57:33 PM



#20
Methylene Chloride
Concen: 45.828 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion: 84 Resp: 107690
Ion Ratio Lower Upper
84 100
49 113.1 93.4 140.0
51 36.5 28.2 42.4
86 67.0 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 46.212 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

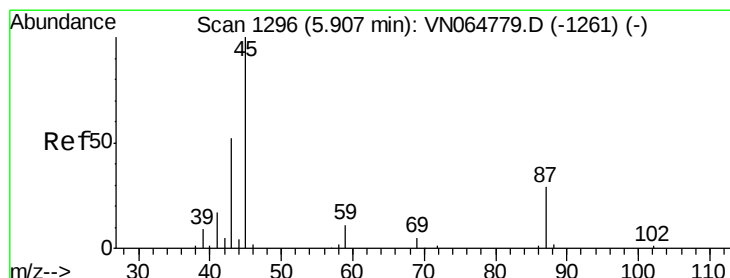
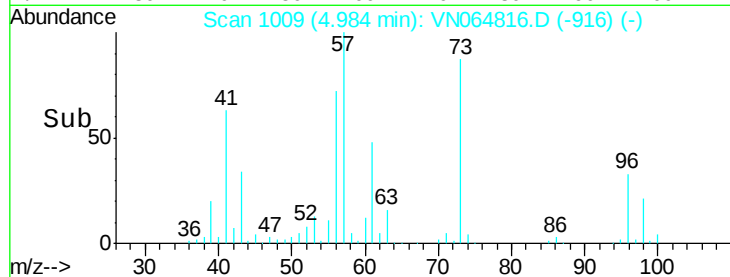
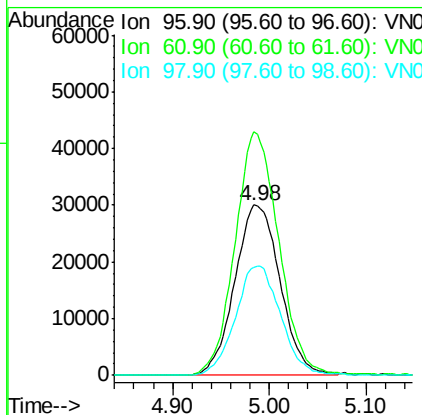
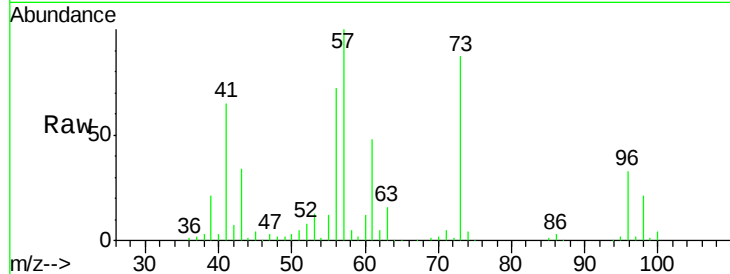
ClientSampled :

MW-2MS

Tot Ion:	96	Resp:	97647
Ion	Ratio	Lower	Upper
96	100		
61	143.1	108.4	162.6
98	63.6	51.3	76.9

Manual Integrations
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11/25/2020 3:57:33 PM



#22

Diisopropyl ether

Concen: 50.581 ug/l

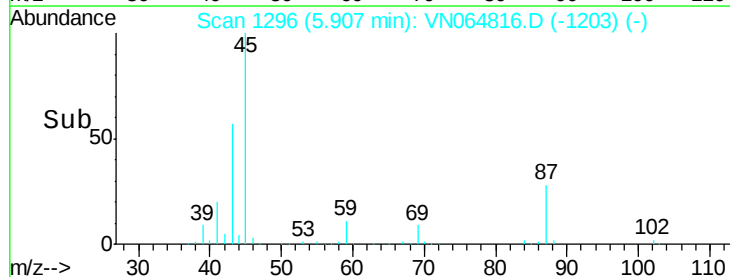
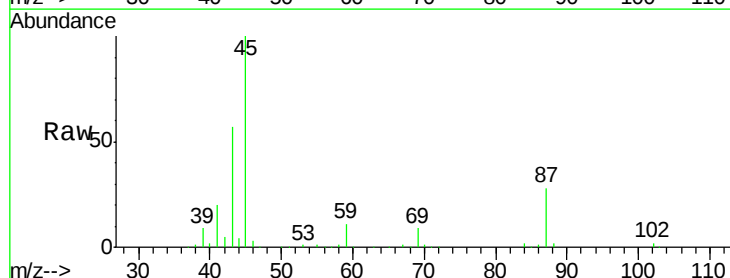
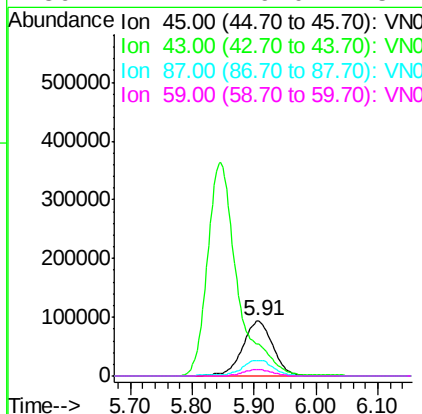
RT: 5.91 min Scan# 1296

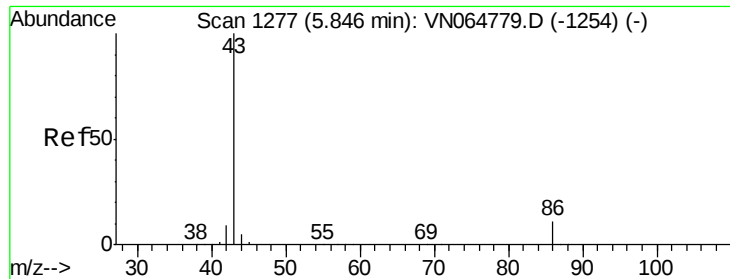
Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	45	Resp:	317733
Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.2	69.2
87	28.2	24.1	36.1
59	11.4	9.0	13.4





#23

Vinyl Acetate

Concen: 243.497 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion: 43 Resp: 1223154

Ion Ratio Lower Upper

43 100

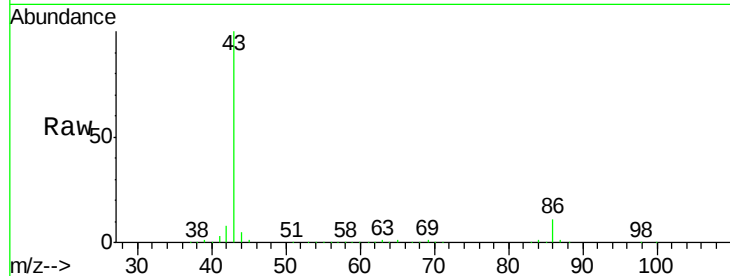
86 10.5 8.9 13.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN064816.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN064816.D (-1184) (-)

5.85

400000

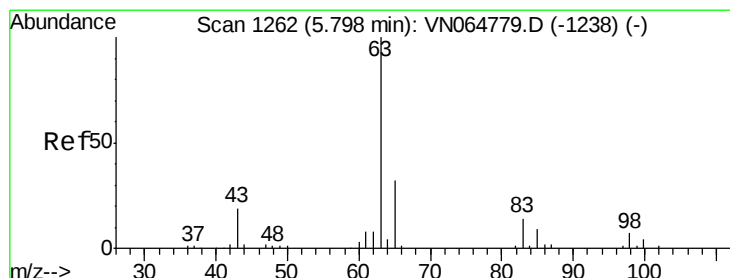
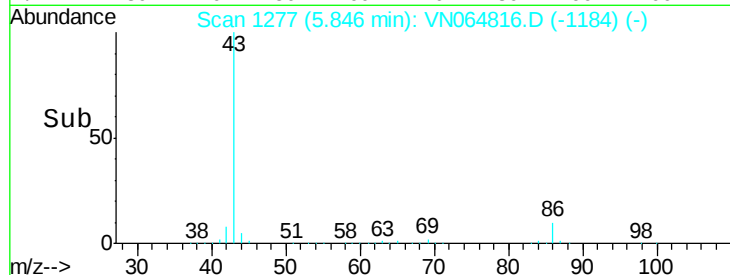
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.611 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

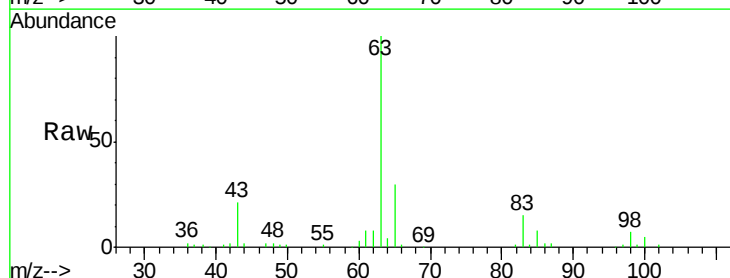
Tgt Ion: 63 Resp: 182491

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.5

100 4.6 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064816.D (-1169) (-)

Ion 97.90 (97.60 to 98.60): VN064816.D (-1169) (-)

Ion 99.90 (99.60 to 100.60): VN064816.D (-1169) (-)

5.80

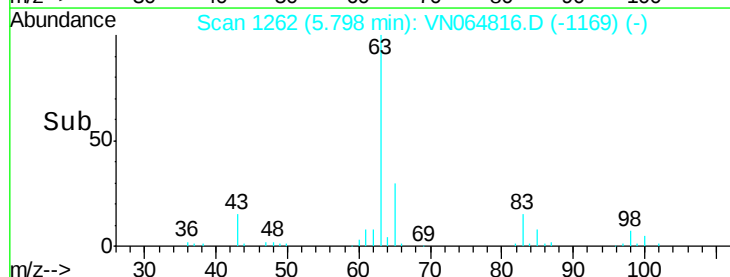
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 244.747 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

MW-2MS

Tot Ion: 43 Resp: 297523

Ion Ratio Lower Upper

43 100

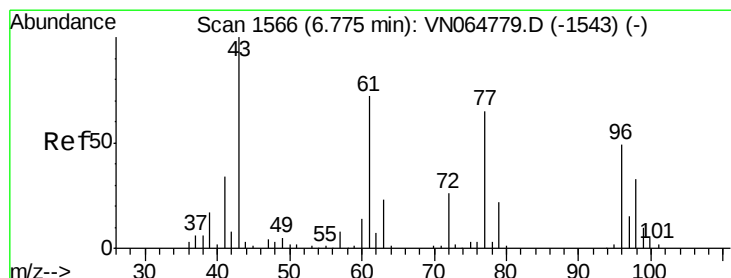
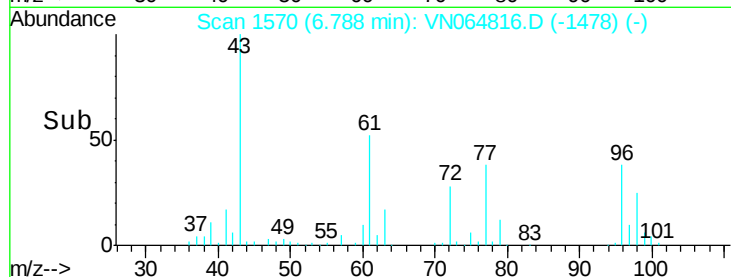
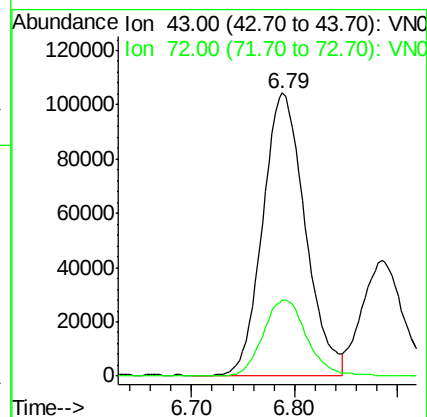
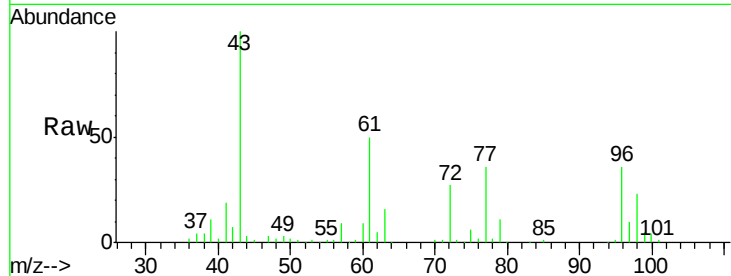
72 26.9 21.0 31.6

Manual Integrations

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MMDadoda

11/25/2020 3:57:33 PM



#26

2,2-Dichloropropane

Concen: 43.733 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064816.D

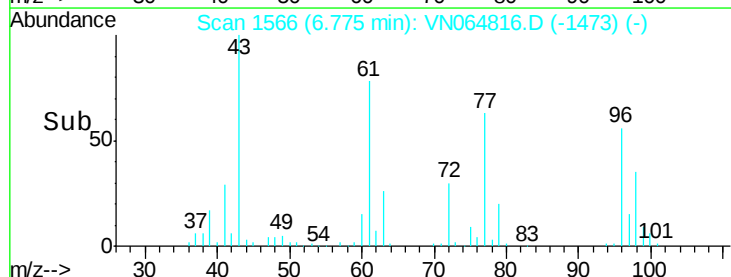
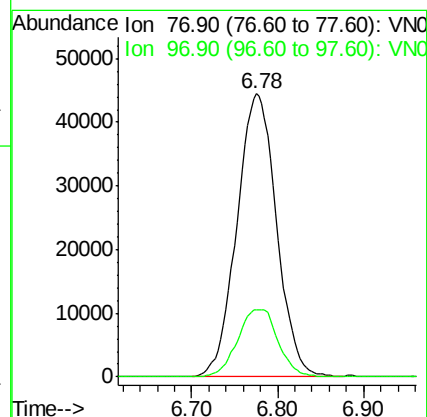
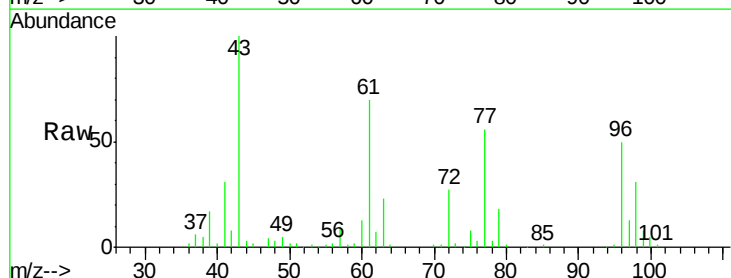
Acq: 24 Nov 2020 17:28

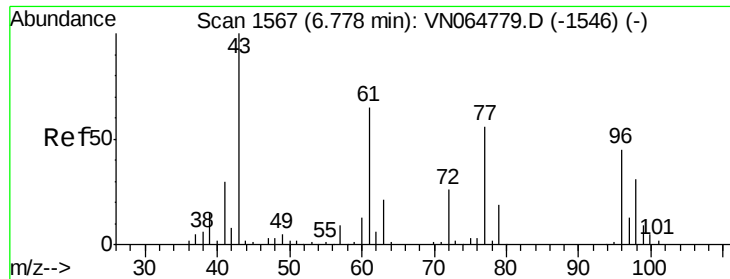
Tgt Ion: 77 Resp: 142394

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.0





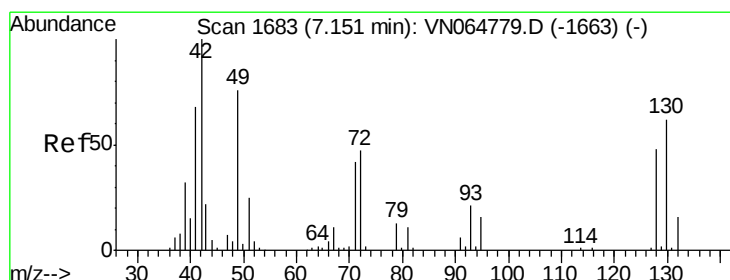
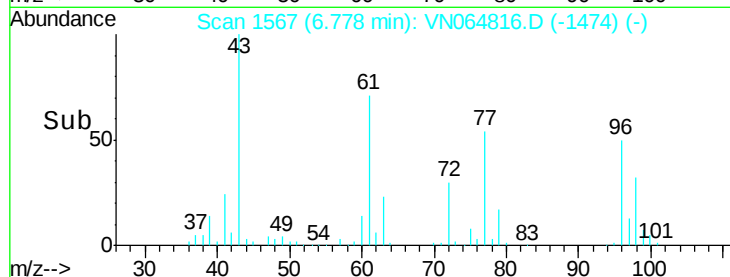
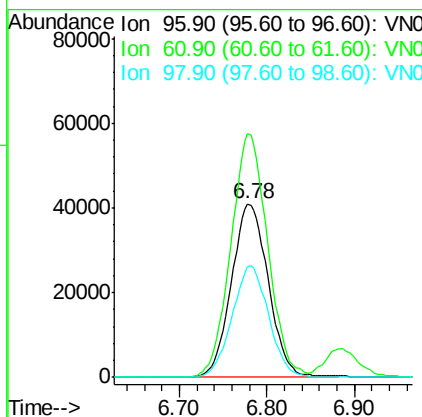
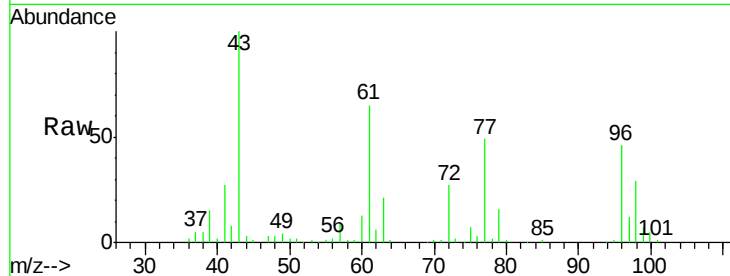
#27
 cis-1,2-Dichloroethene
 Concen: 50.390 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	119812		
61	140.2	0.0	285.8	
98	63.7	0.0	130.6	

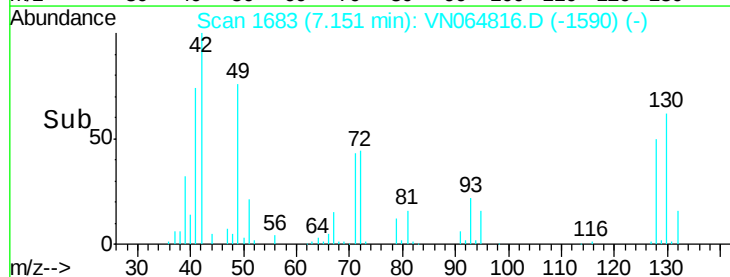
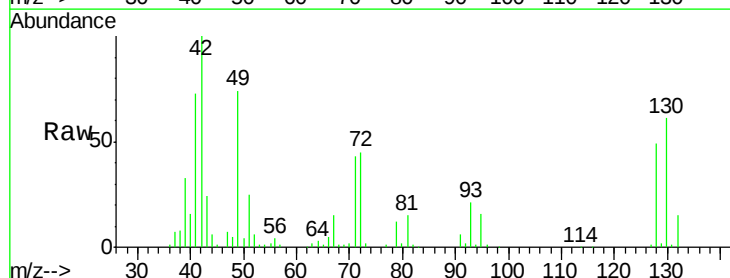
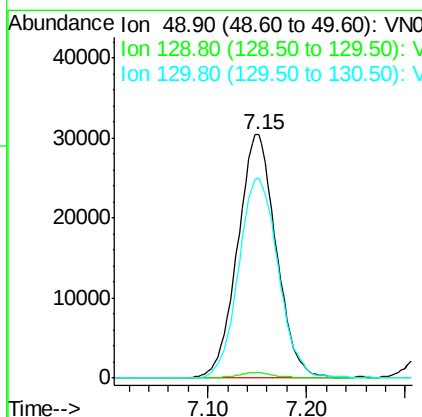
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#28
 Bromochloromethane
 Concen: 47.977 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	82396		
129	2.0	0.0	3.8	
130	84.1	66.2	99.2	





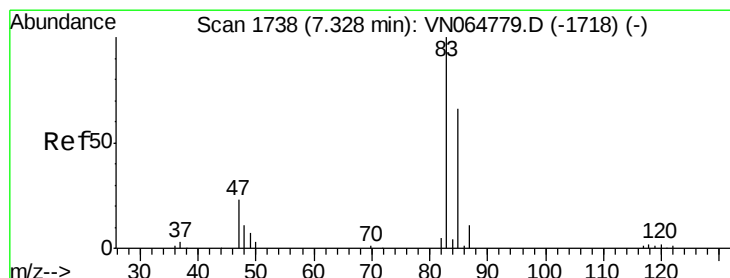
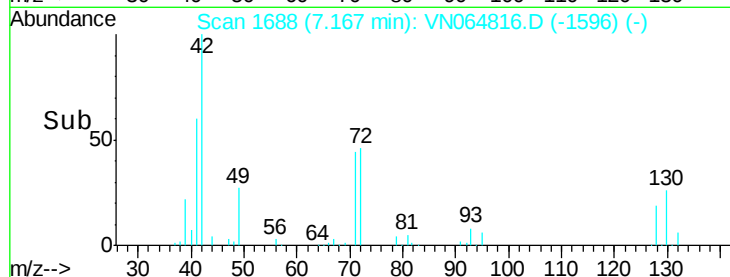
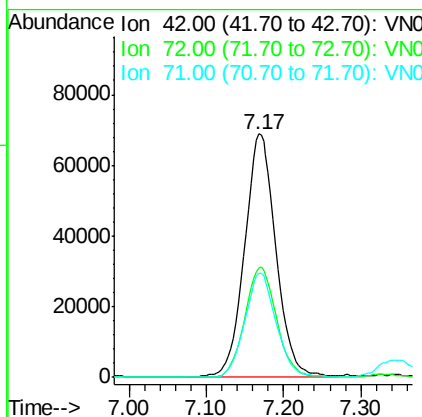
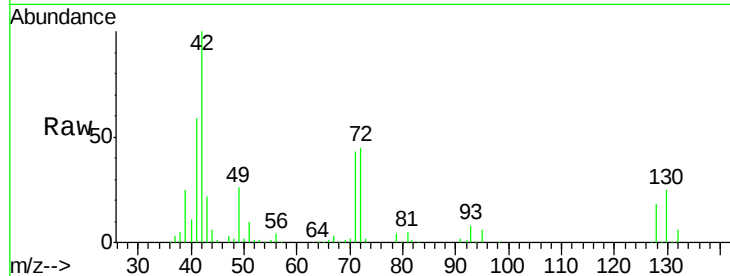
#29
Tetrahydrofuran
Concen: 232.799 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.6	54.8
71	42.7	33.6	50.4

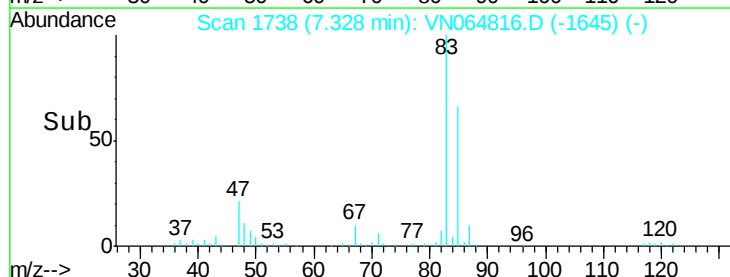
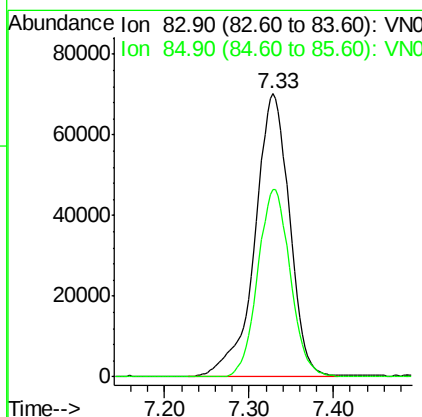
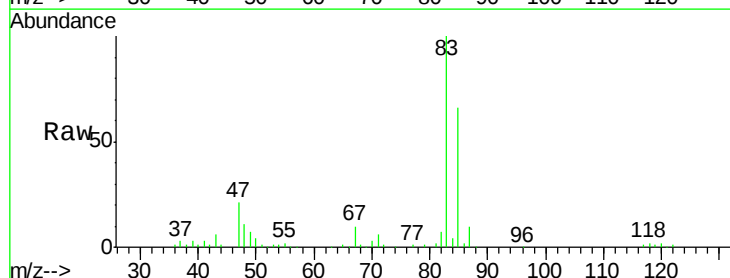
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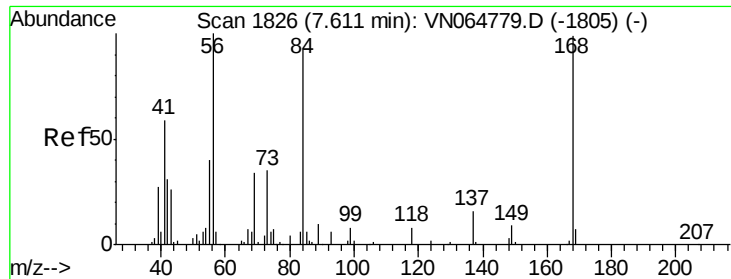
MMDadoda
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#30
Chloroform
Concen: 52.008 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8





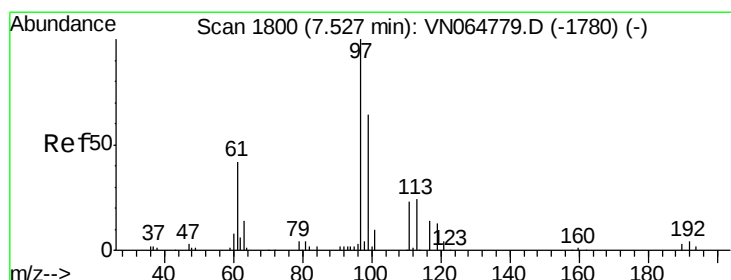
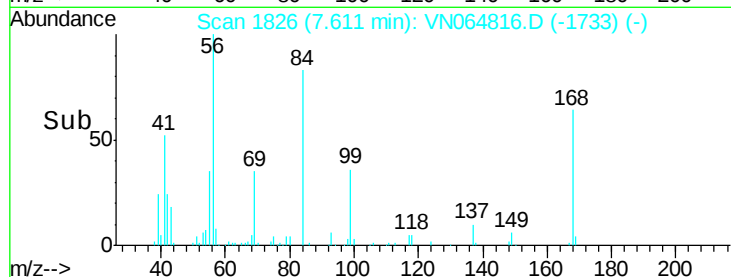
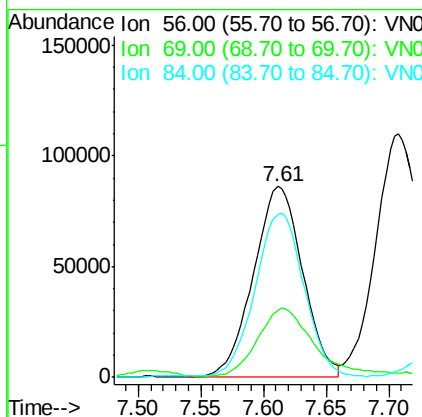
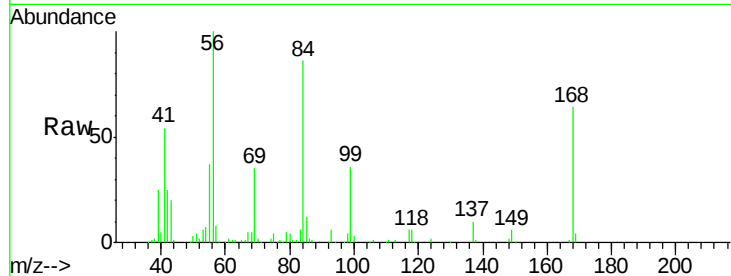
#31
Cvclohexane
Concen: 73.741 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	27.5	41.3
84	84.8	73.9	110.9

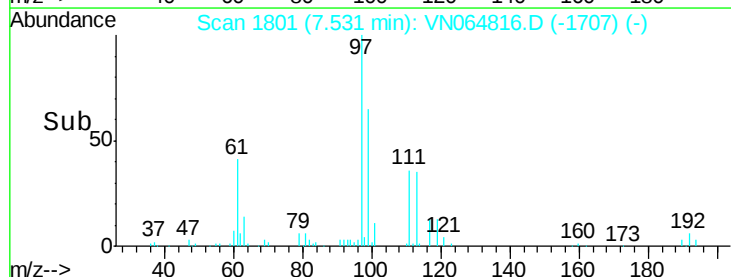
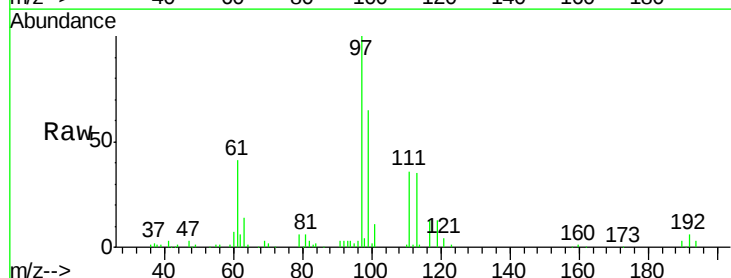
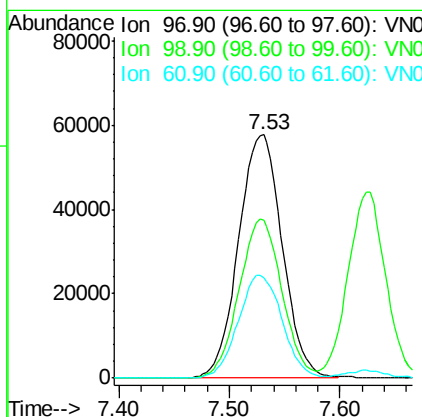
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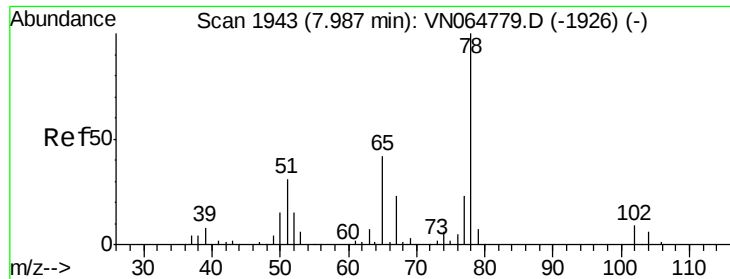
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#32
1,1,1-Trichloroethane
Concen: 47.760 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.3	33.9	50.9





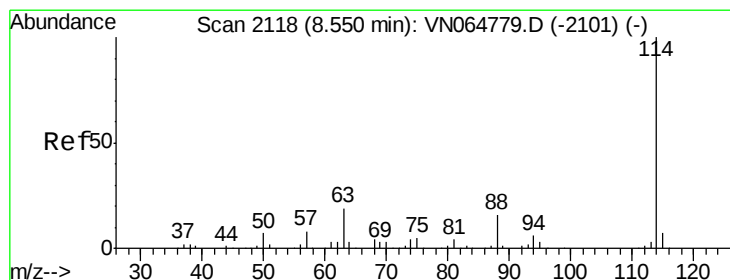
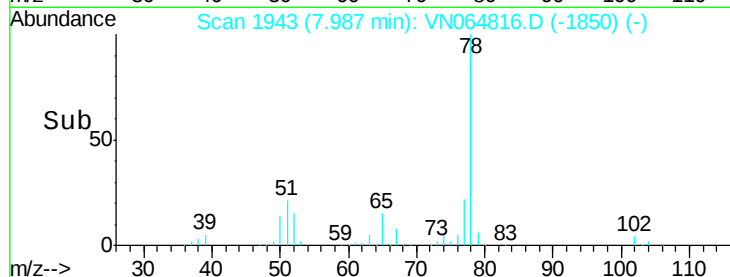
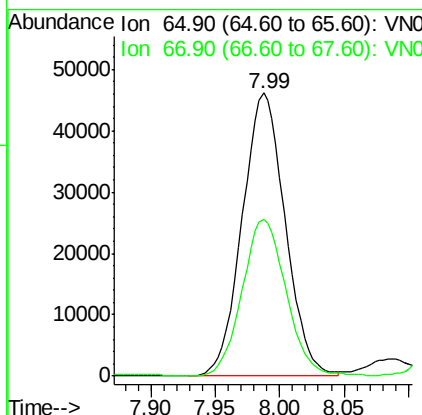
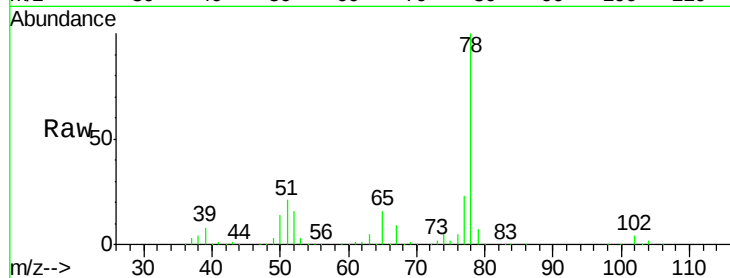
#33
 1,2-Dichloroethane-d4
 Concen: 47.031 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2MS

Tot Ion: 65 Resp: 107289
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 108.2

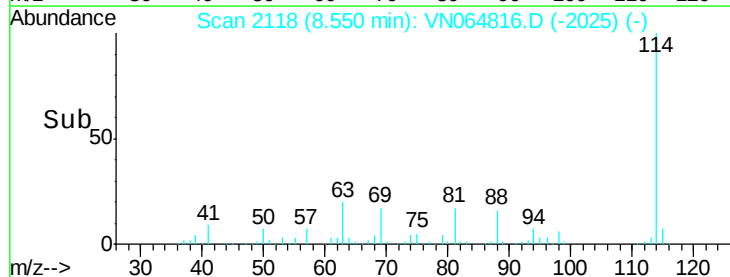
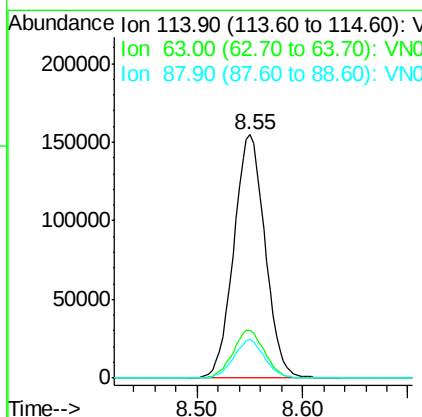
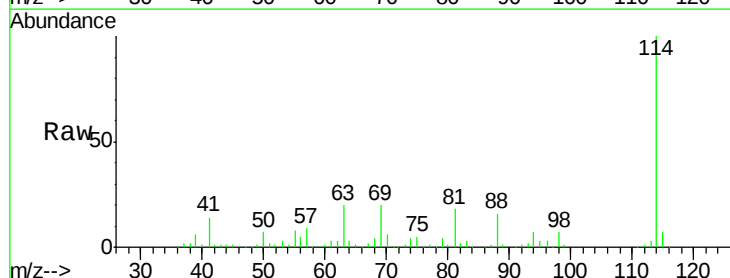
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion: 114 Resp: 318592
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 38.6
 88 15.8 0.0 32.6





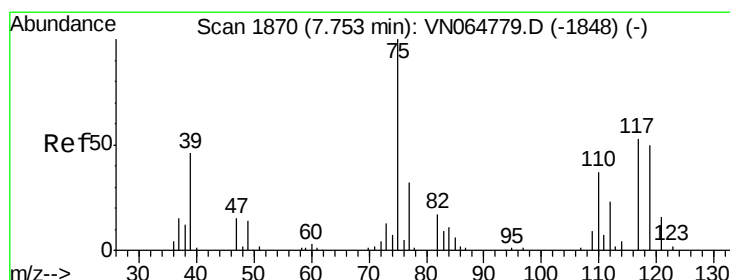
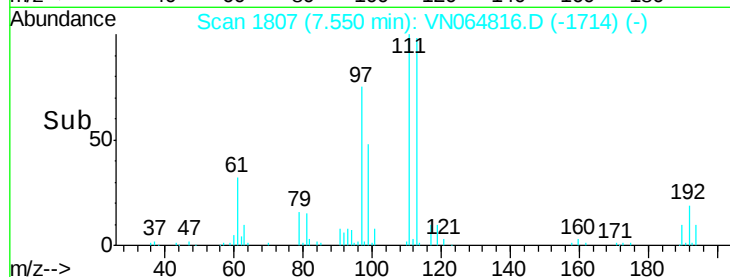
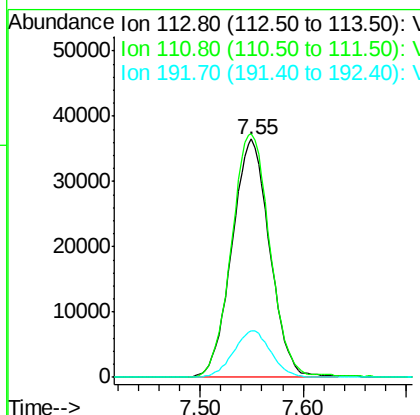
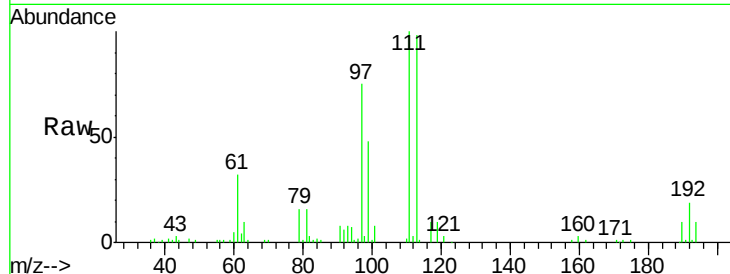
#35
 Dibromofluoromethane
 Concen: 48.758 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.6	122.4
192	19.2	16.2	24.2

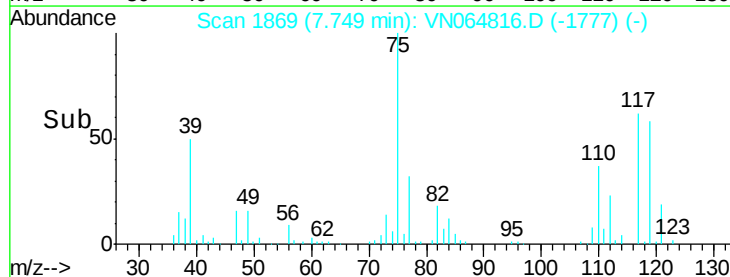
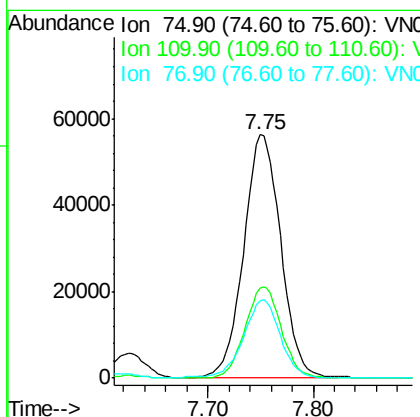
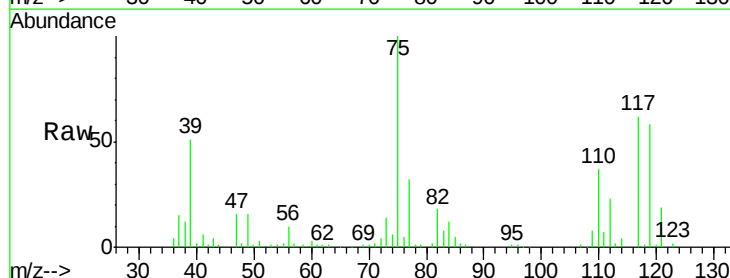
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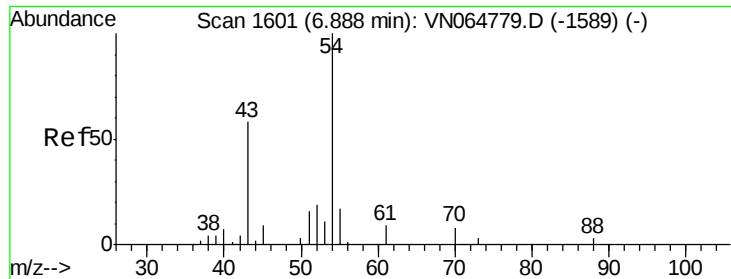
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#36
 1,1-Dichloropropene
 Concen: 46.301 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	17.8	53.3
77	32.7	25.0	37.4





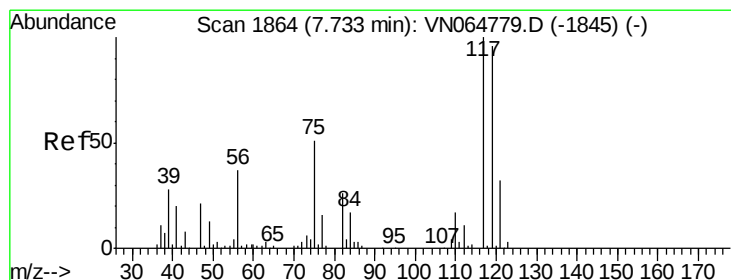
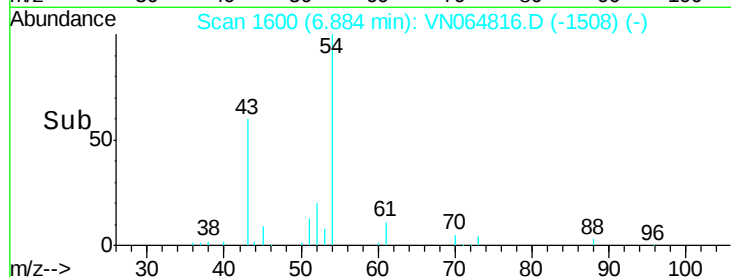
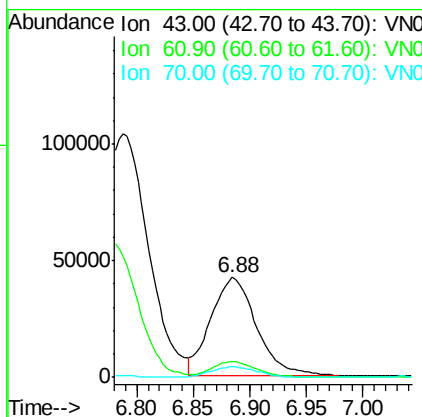
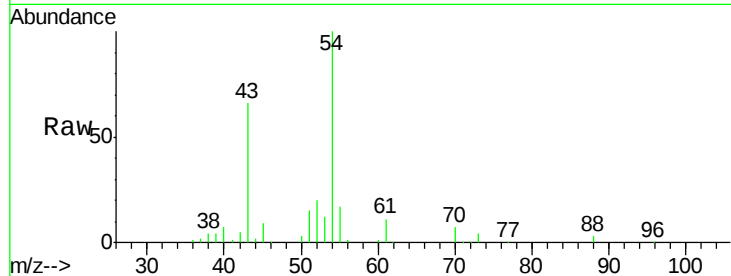
#37
Ethyl Acetate
Concen: 41.918 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.8	19.2
70	10.9	8.8	13.2

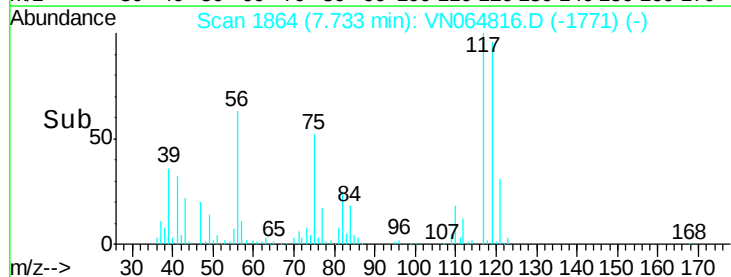
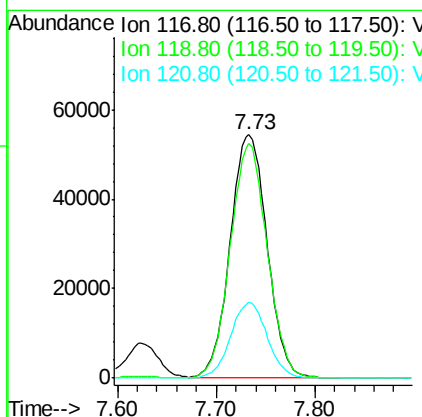
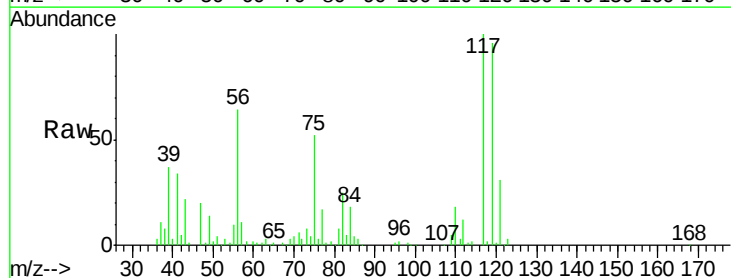
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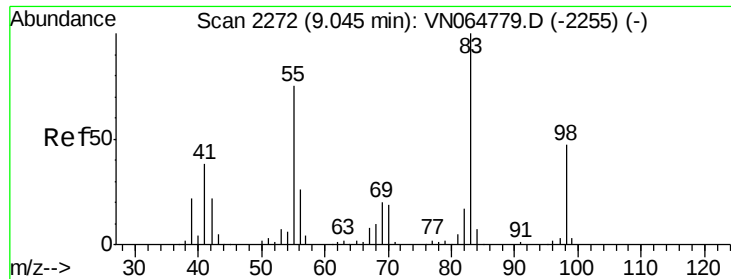
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#38
Carbon Tetrachloride
Concen: 46.107 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.7	115.1
121	31.2	25.4	38.2





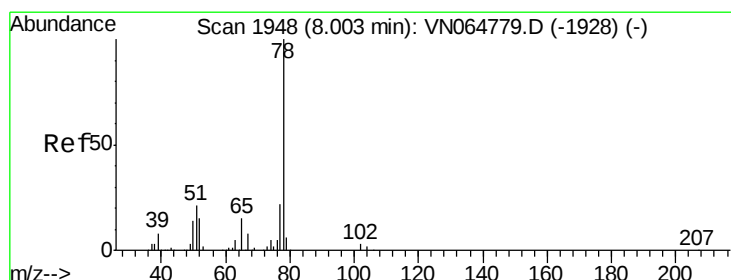
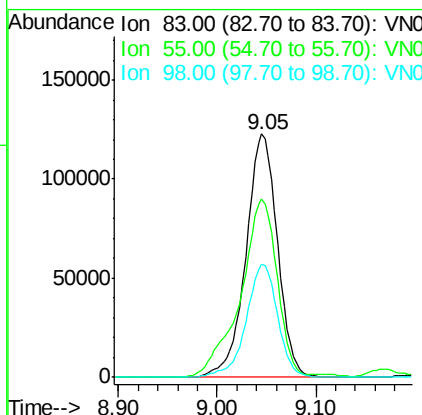
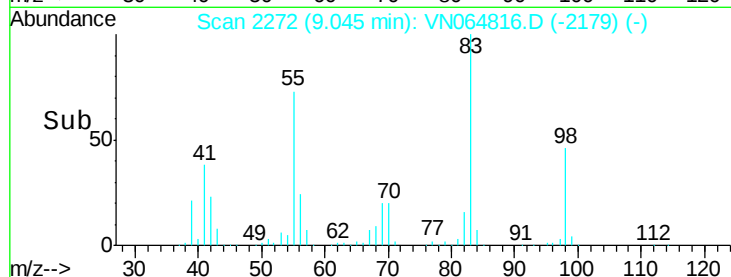
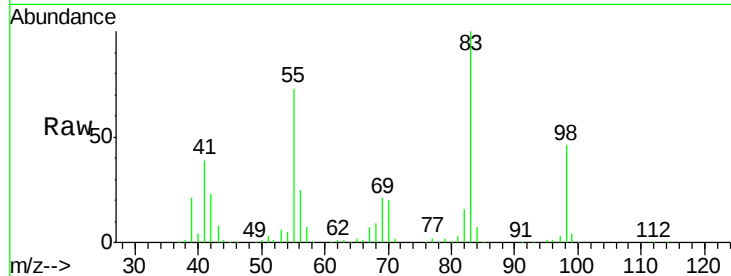
#39
Methvlcvclohexane
Concen: 85.218 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	270905		
55	72.5	60.2	90.2	
98	46.2	37.4	56.2	

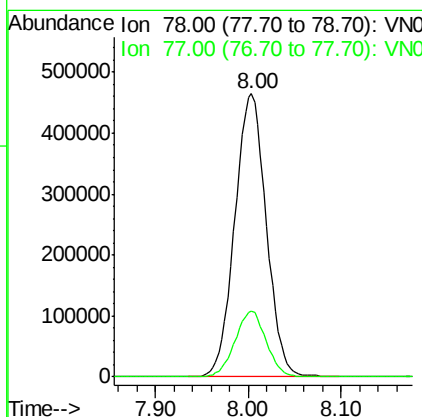
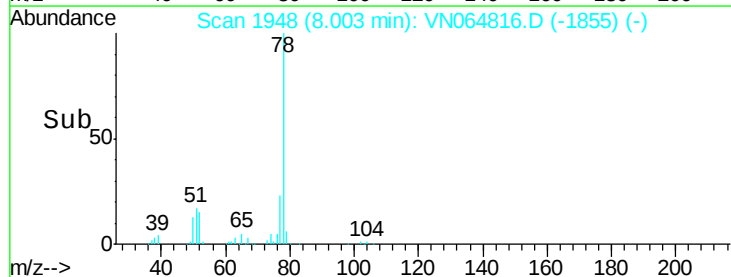
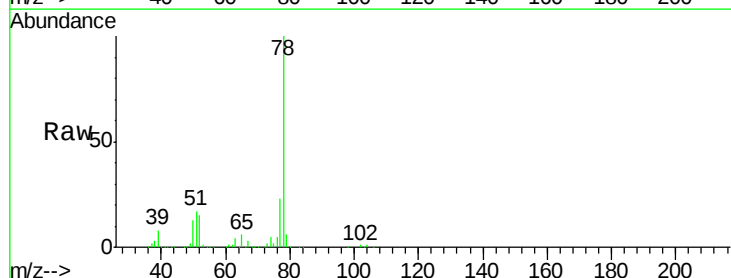
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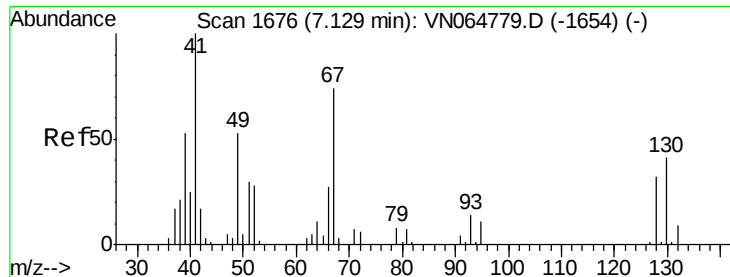
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#40
Benzene
Concen: 121.019 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1095113		
77	23.1	17.9	26.9	





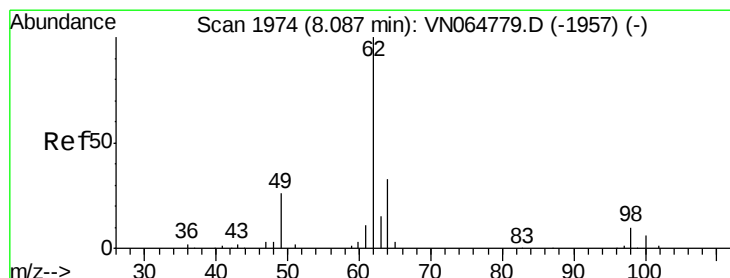
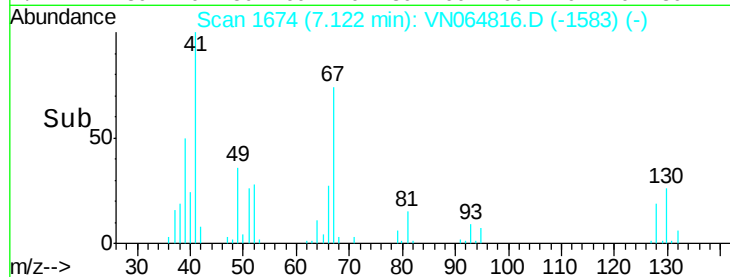
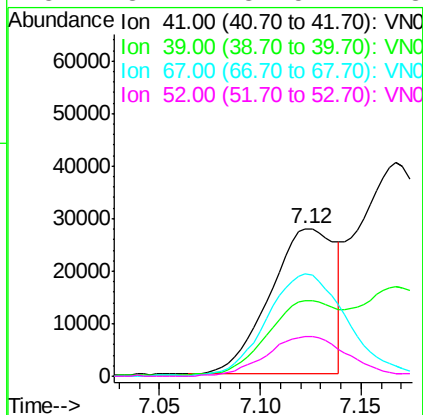
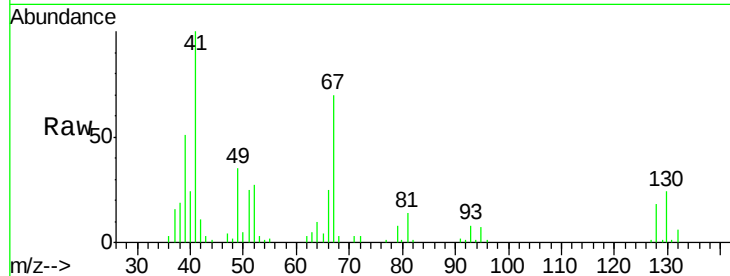
#41
Methacrylonitrile
Concen: 47.092 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion:	41	Resp:	61810
Ion	Ratio	Lower	Upper
41	100		
39	57.0	51.0	76.6
67	89.0	79.8	119.8
52	34.7	31.5	47.3

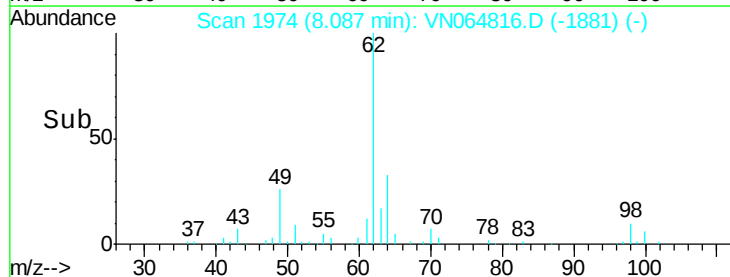
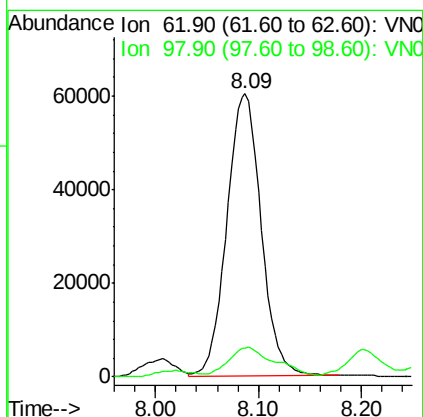
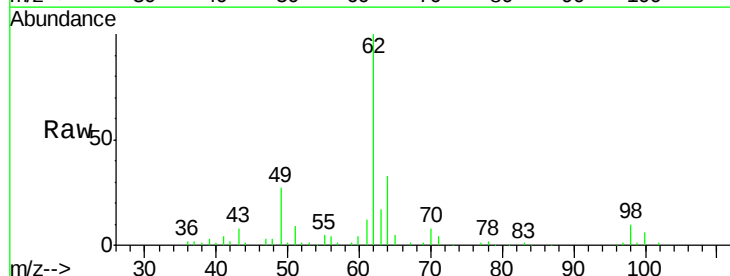
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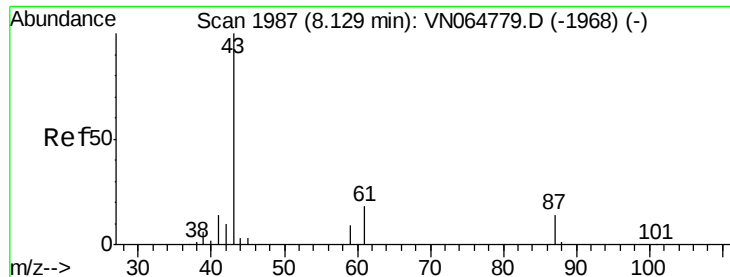
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#42
1,2-Dichloroethane
Concen: 45.785 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion:	62	Resp:	139767
Ion	Ratio	Lower	Upper
62	100		
98	12.9	0.0	19.6





#43

Isopropyl Acetate

Concen: 51.327 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

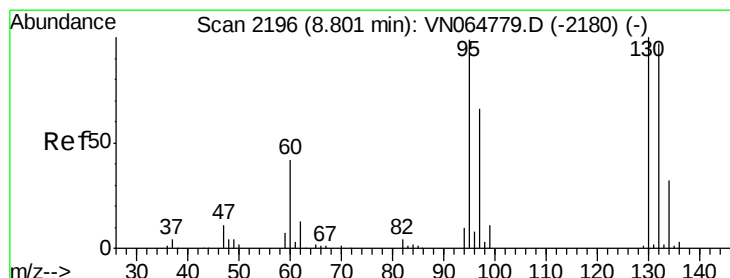
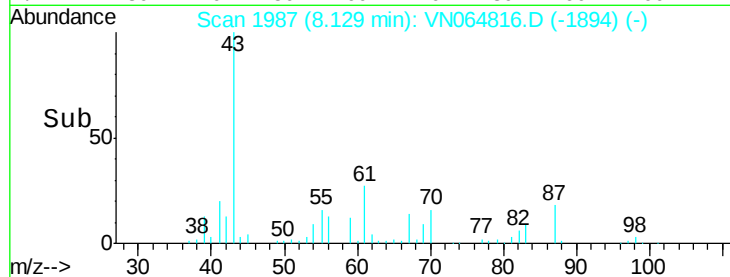
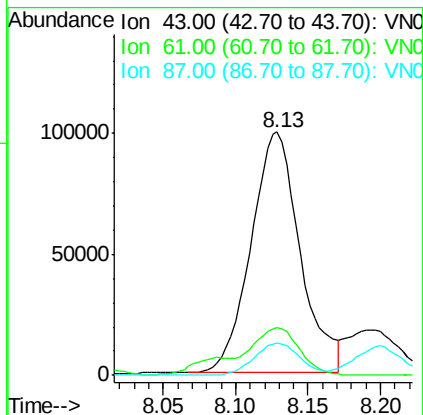
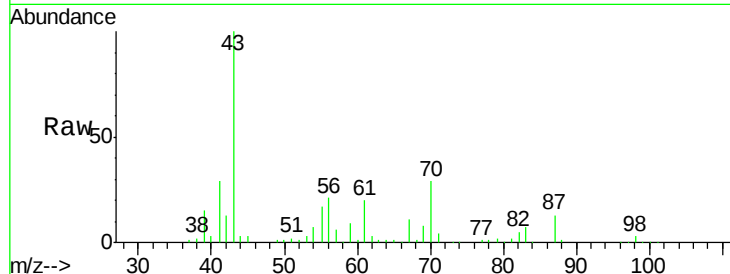
ClientSampleId :

MW-2MS

Tot Ion:	43	Resp:	234937
Ion	Ratio	Lower	Upper
43	100		
61	18.5	17.2	25.8
87	12.4	11.4	17.0

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#44

Trichloroethene

Concen: 44.902 ug/l

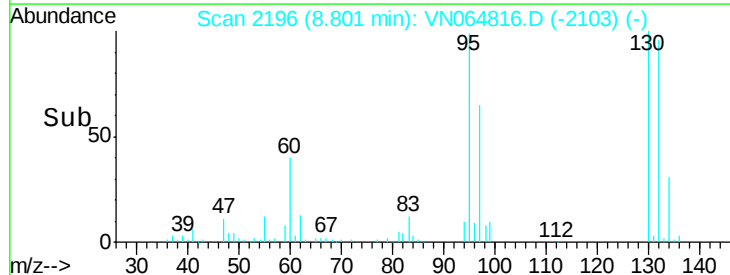
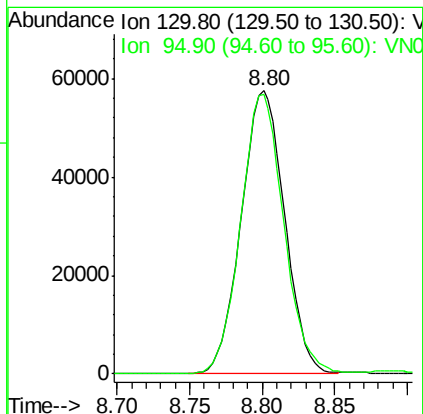
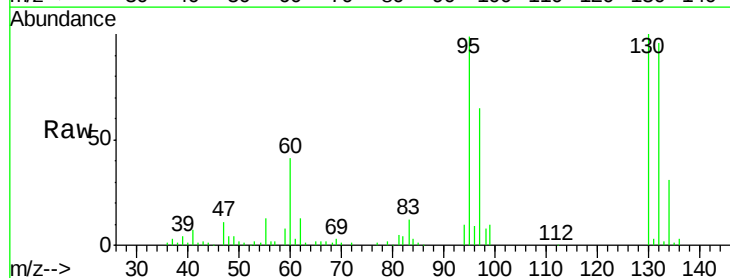
RT: 8.80 min Scan# 2196

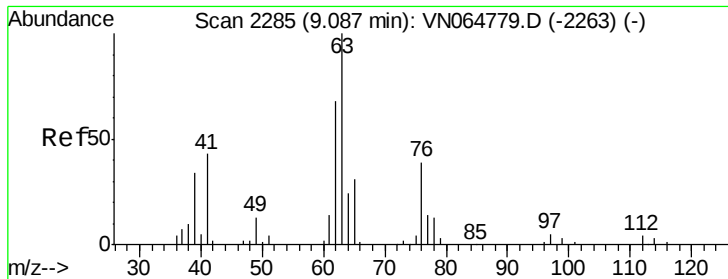
Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	130	Resp:	119886
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.8





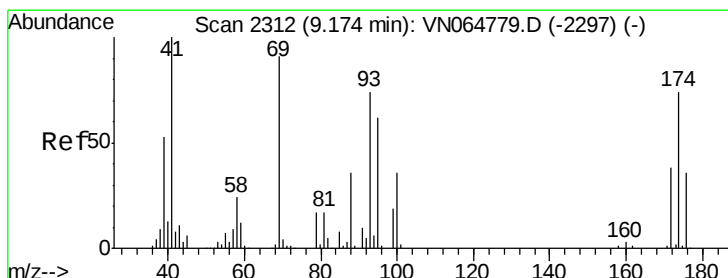
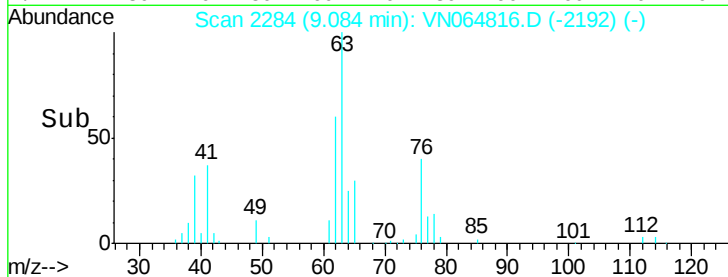
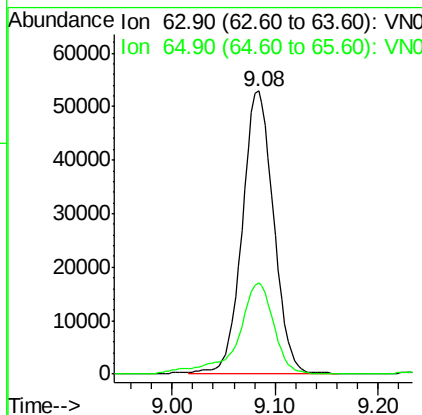
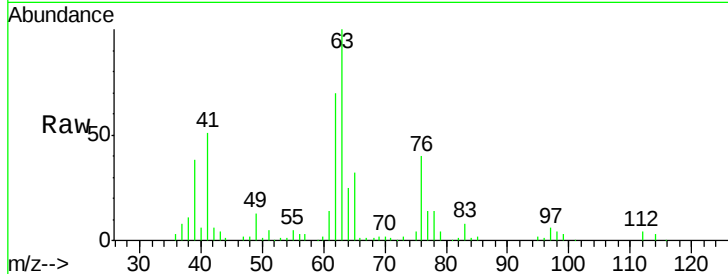
#45
 1,2-Dichloropropane
 Concen: 47.170 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2MS

Tot Ion: 63 Resp: 110540
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.0 37.4

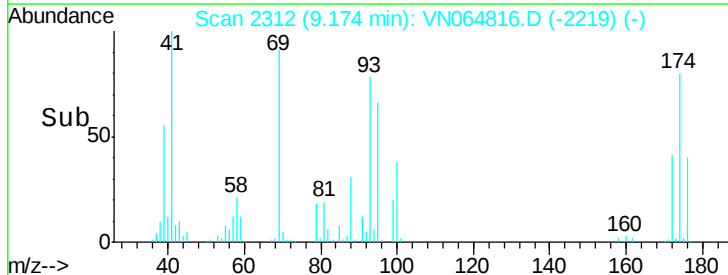
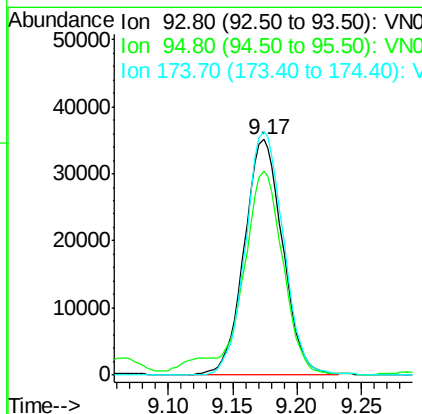
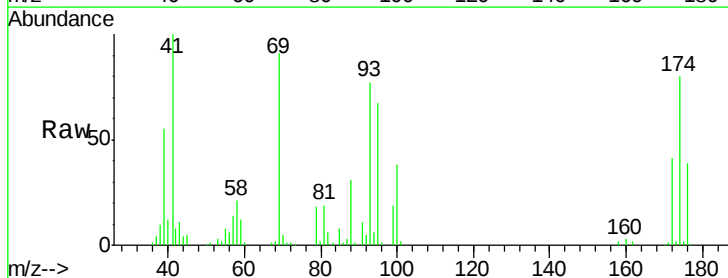
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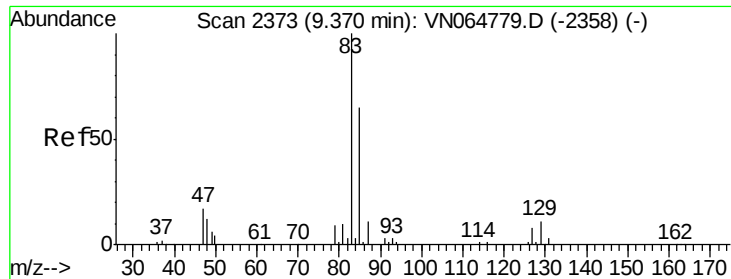
MMDadoda
 11/25/2020 3:57:33 PM



#46
 Dibromomethane
 Concen: 46.626 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion: 93 Resp: 72996
 Ion Ratio Lower Upper
 93 100
 95 86.9 68.8 103.2
 174 102.0 83.1 124.7





#47

Bromodichloromethane

Concen: 50.124 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

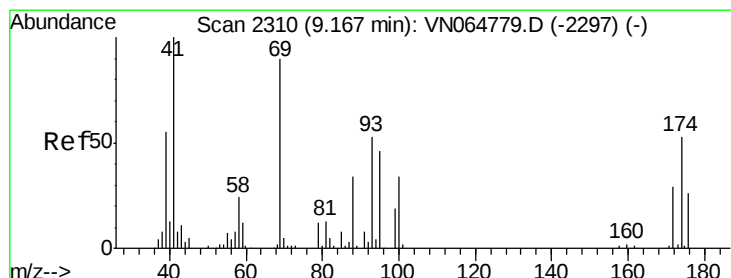
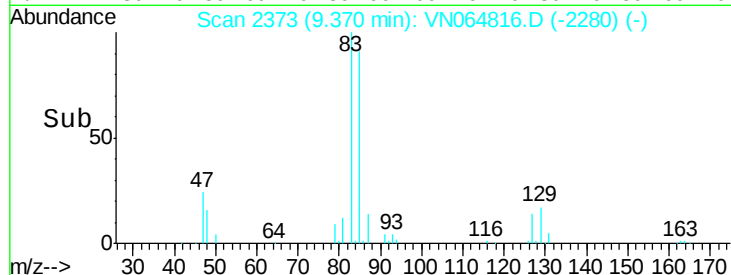
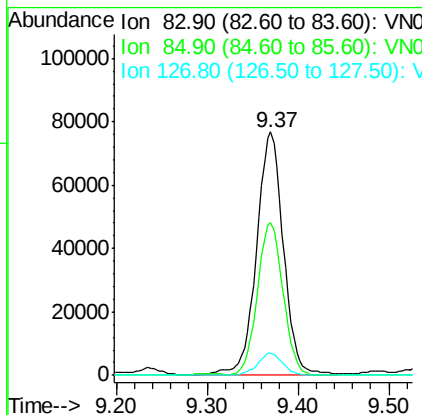
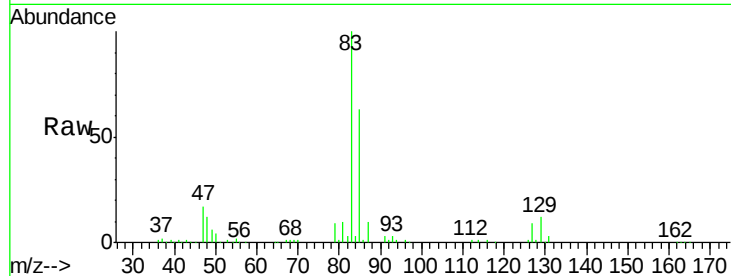
ClientSampleId :

MW-2MS

Tot Ion:	83	Resp:	157897
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.8	77.8
127	9.3	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 44.224 ug/l

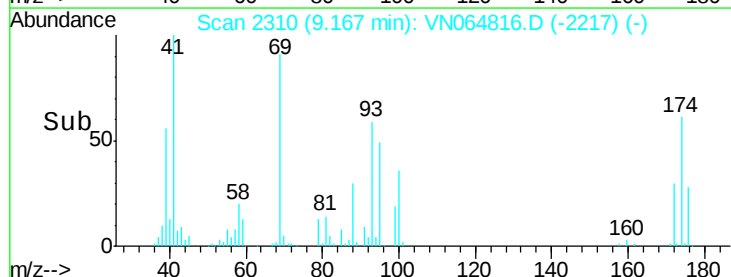
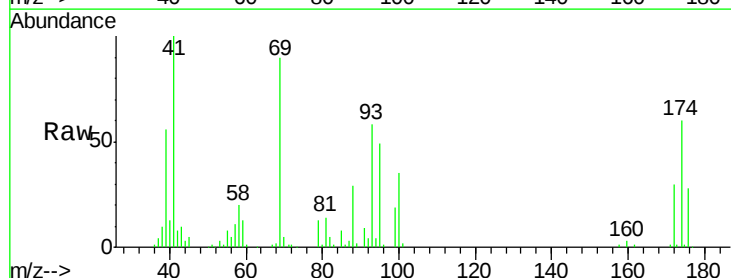
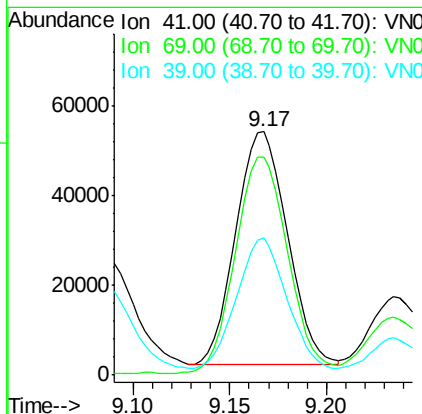
RT: 9.17 min Scan# 2310

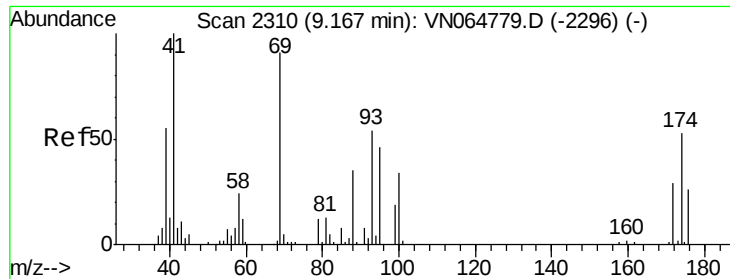
Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	41	Resp:	96726
Ion Ratio	Lower	Upper	
41	100		
69	94.4	71.8	107.8
39	53.5	44.1	66.1





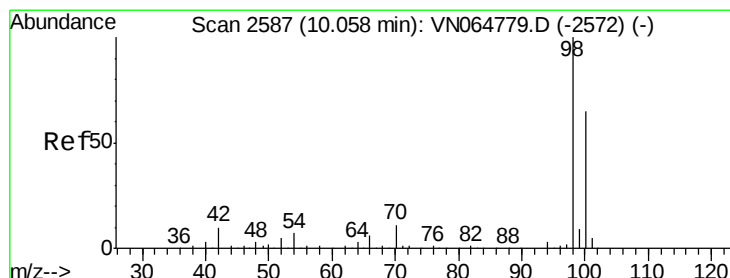
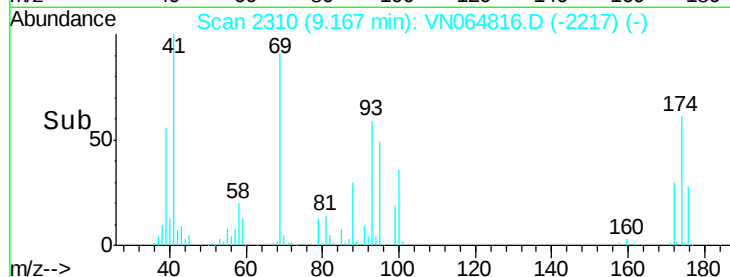
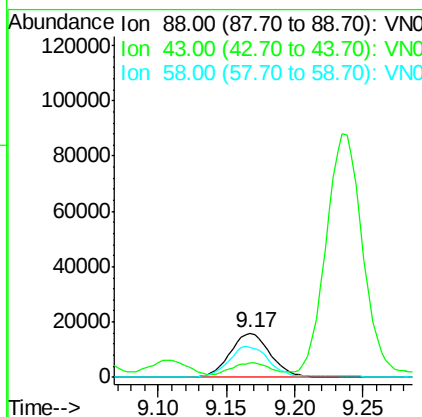
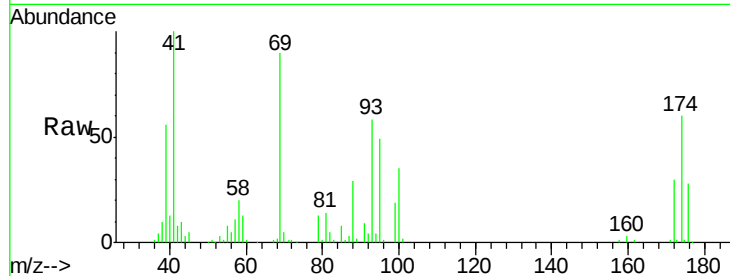
#49
1,4-Dioxane
Concen: 795.321 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampled :
MW-2MS

Tot Ion	88	Resp	32877
Ion	Ratio	Lower	Upper
88	100		
43	23.6	24.2	36.4#
58	67.4	52.5	78.7

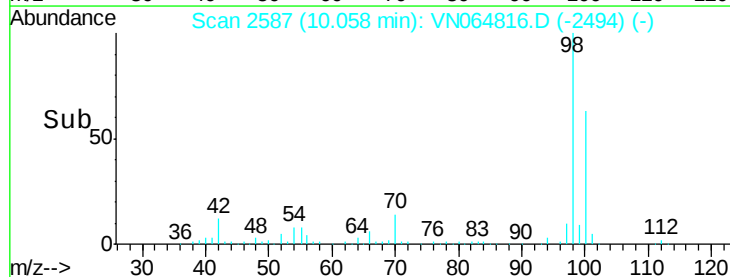
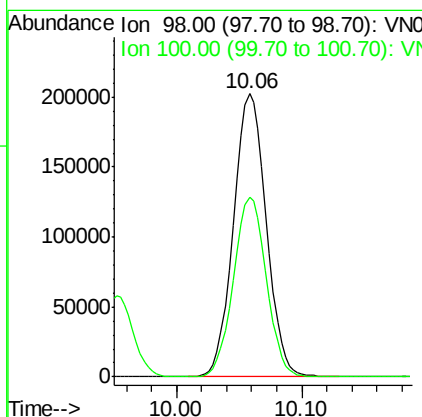
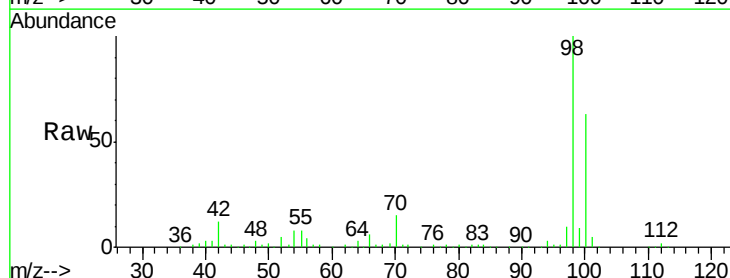
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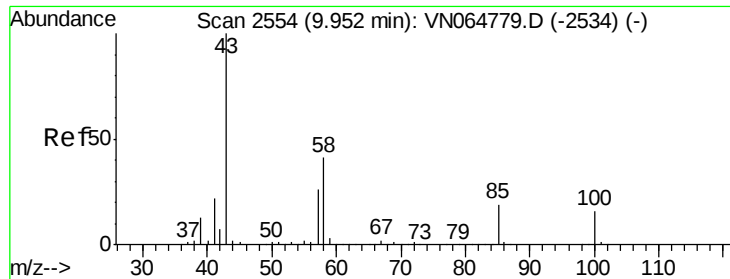
MMDadoda
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#50
Toluene-d8
Concen: 47.088 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	98	Resp	366775
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 228.633 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampled :

MW-2MS

Tot Ion: 43 Resp: 628269

Ion Ratio Lower Upper

43 100

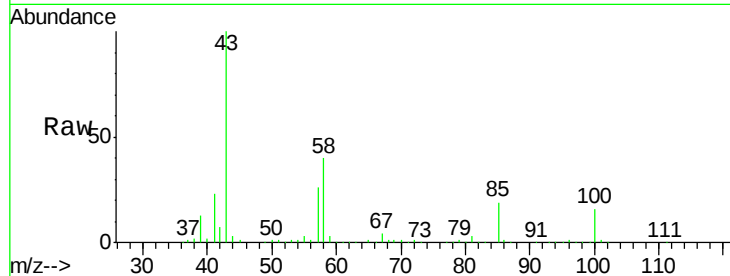
58 40.6 32.4 48.6

Manual Integrations

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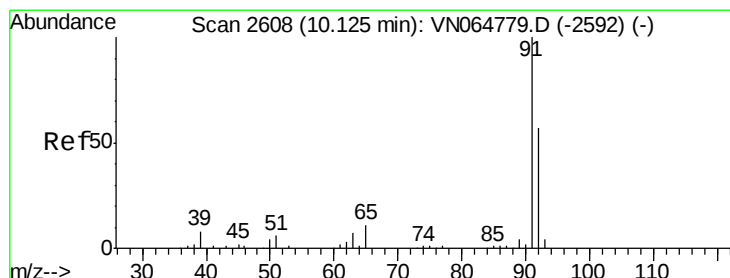
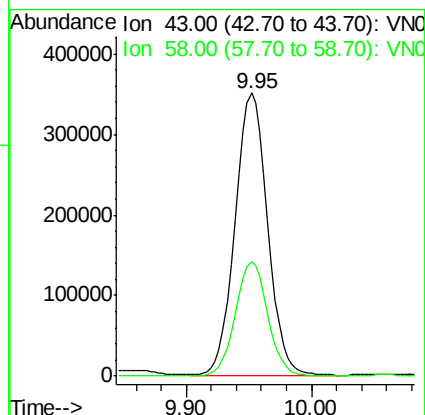
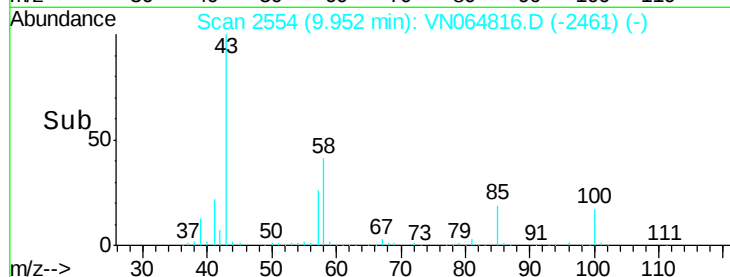
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN064816.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064816.D (-2461) (-)



#52

Toluene

Concen: 51.966 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064816.D

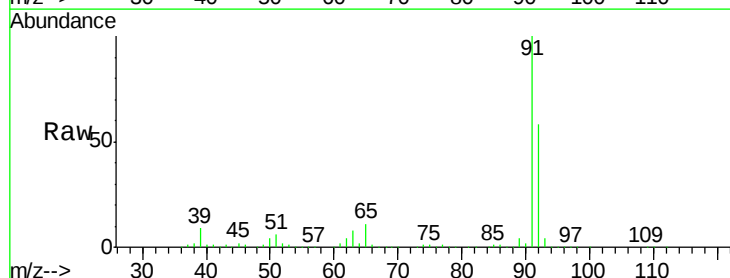
Acq: 24 Nov 2020 17:28

Tgt Ion: 92 Resp: 289598

Ion Ratio Lower Upper

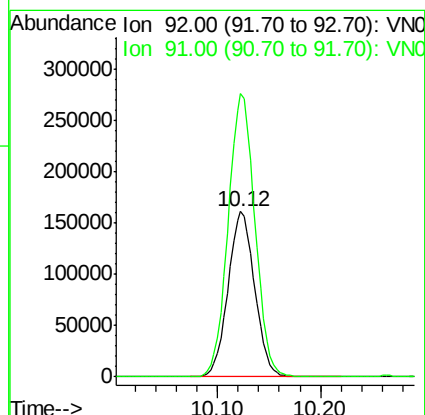
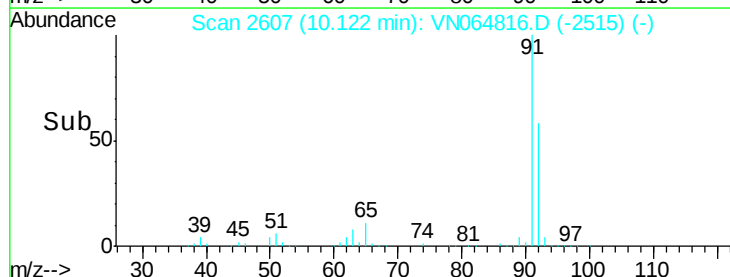
92 100

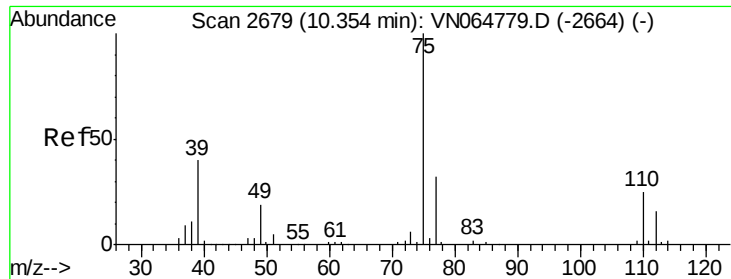
91 171.9 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN064816.D (-2515) (-)

Ion 91.00 (90.70 to 91.70): VN064816.D (-2515) (-)





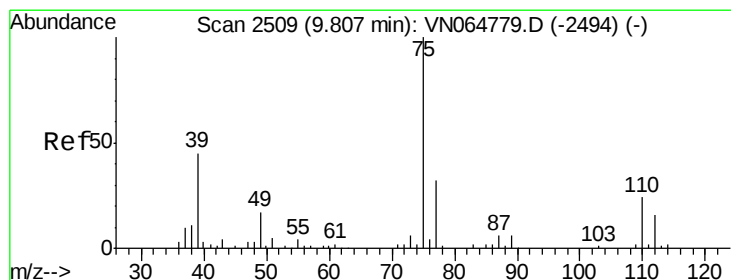
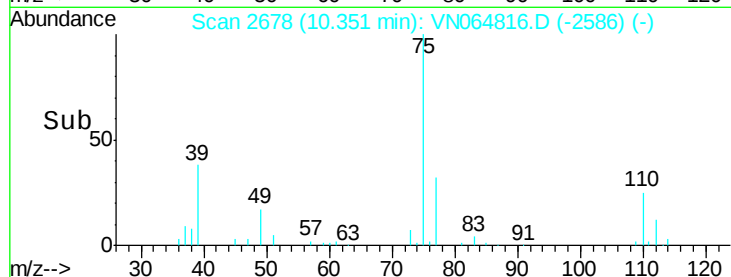
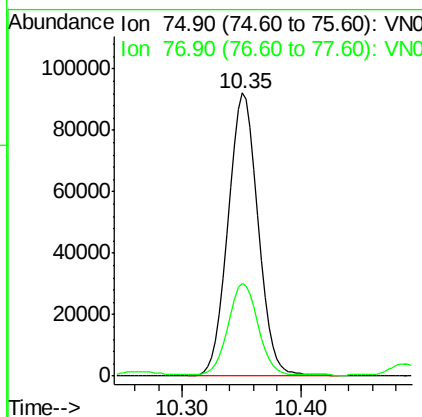
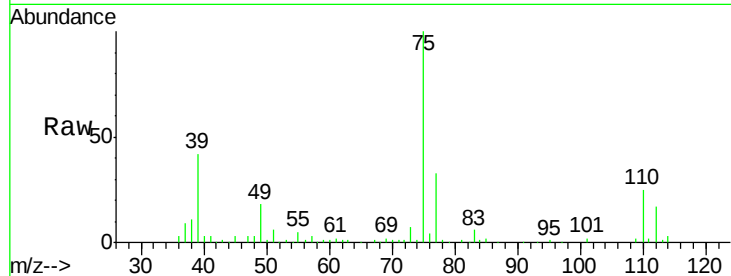
#53
t-1,3-Dichloropropene
Concen: 46.005 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampled :
MW-2MS

Tot Ion: 75 Resp: 161411
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.6

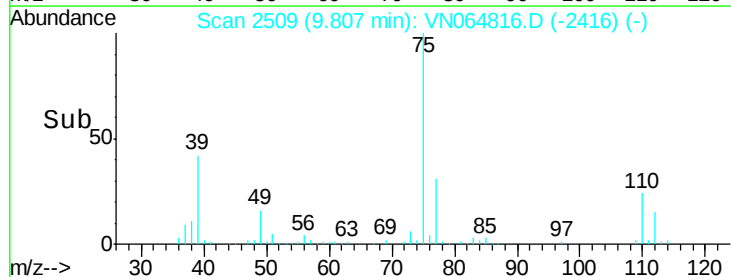
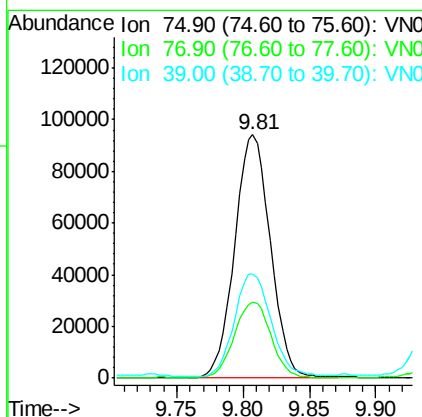
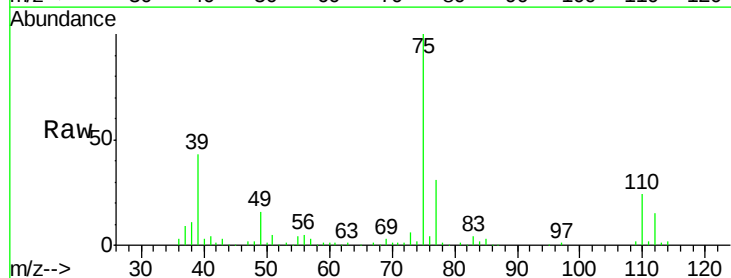
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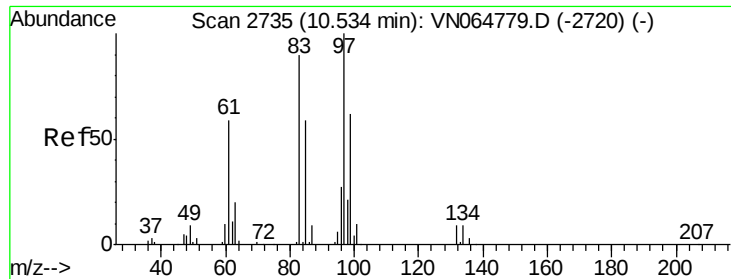
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.046 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion: 75 Resp: 176928
Ion Ratio Lower Upper
75 100
77 30.9 25.5 38.3
39 42.5 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 61.418 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

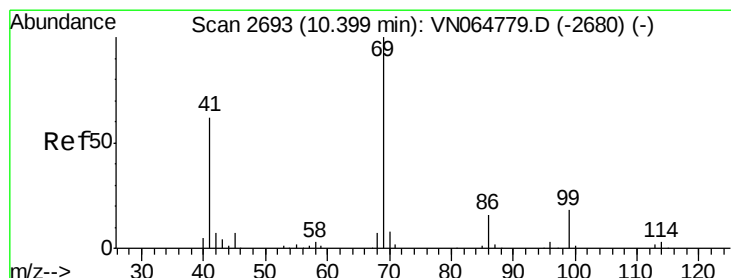
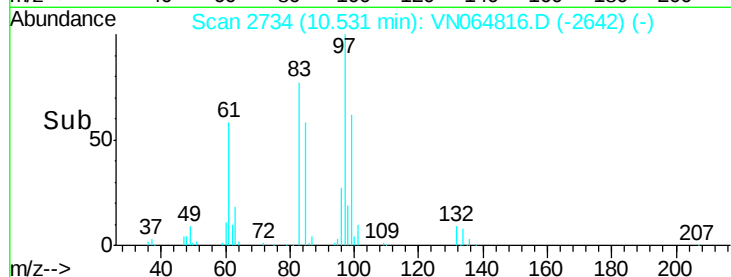
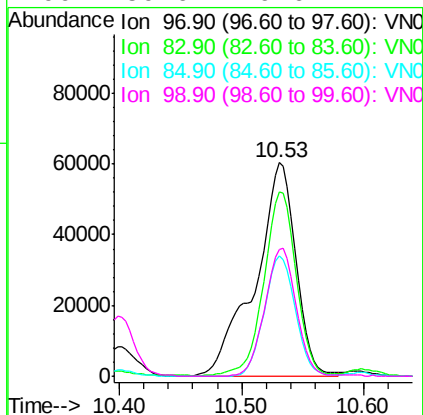
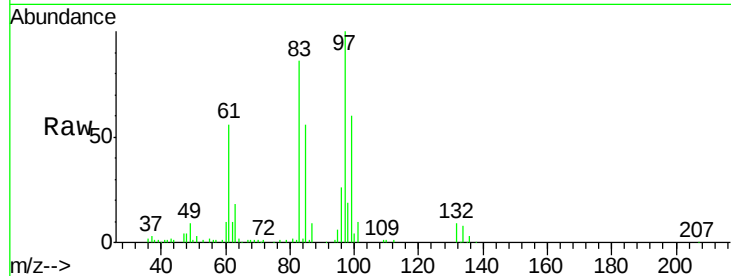
ClientSampleId :

MW-2MS

Tot Ion:	97	Resp:	140745
Ion	Ratio	Lower	Upper
97	100		
83	86.1	72.1	108.1
85	56.4	46.8	70.2
99	59.6	49.6	74.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.685 ug/l

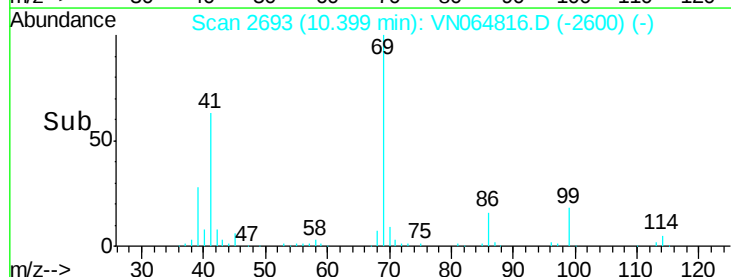
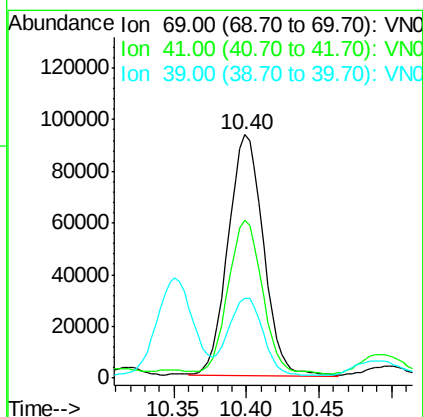
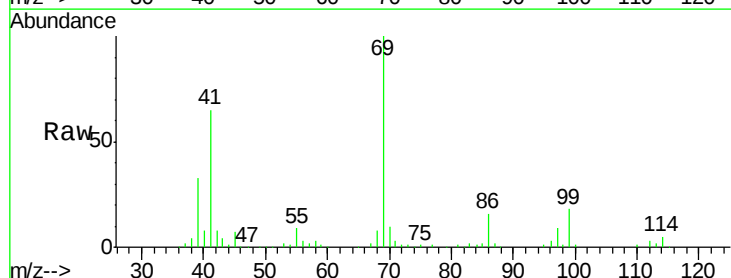
RT: 10.40 min Scan# 2693

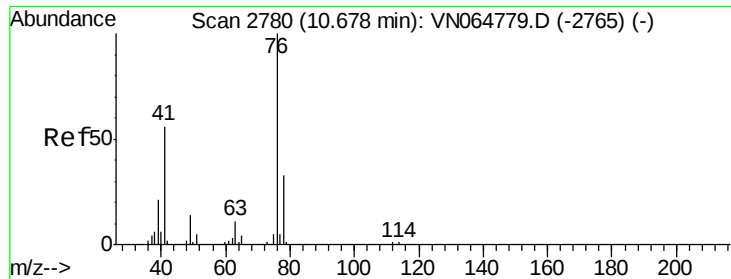
Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	69	Resp:	157120
Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.0
39	31.9	25.9	38.9





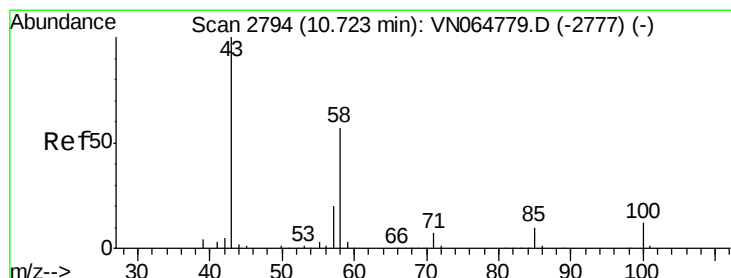
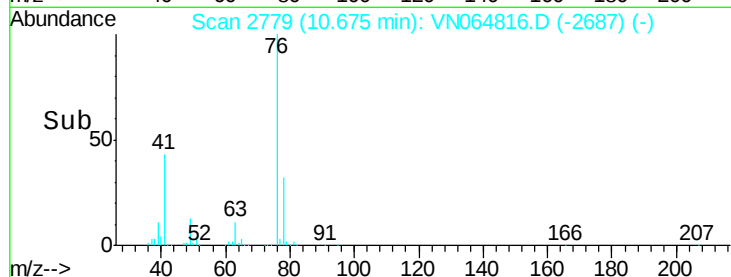
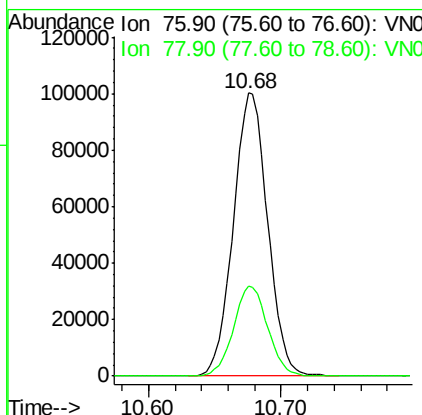
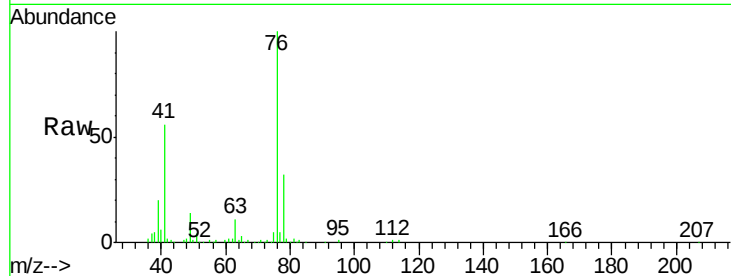
#57
 1,3-Dichloropropane
 Concen: 47.545 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampled :
 MW-2MS

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	31.8	26.1	39.1	

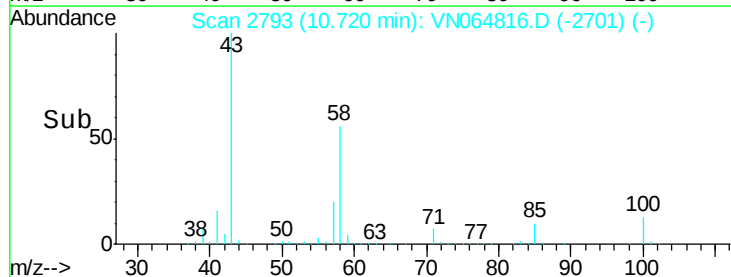
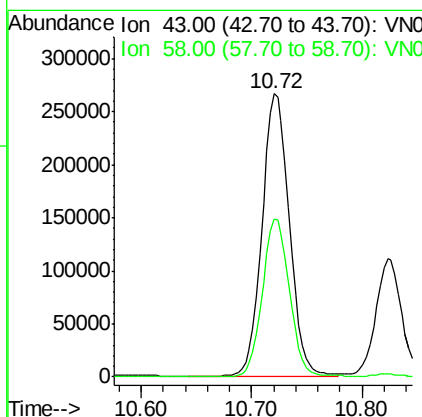
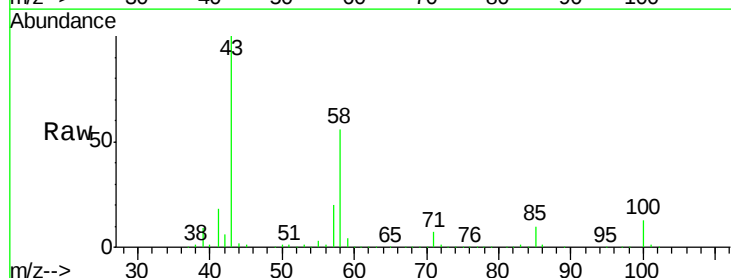
Manual Integrations
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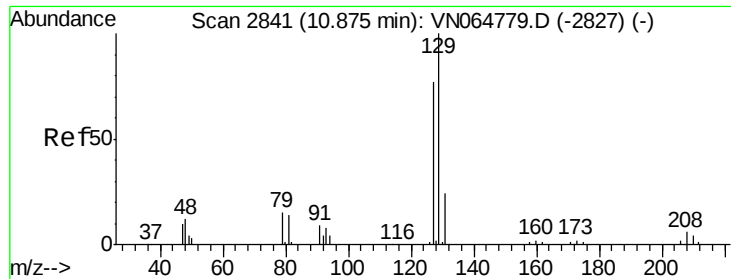
MMDadoda
 11/25/2020 3:57:33 PM



#59
 2-Hexanone
 Concen: 232.436 ug/l
 RT: 10.72 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	55.3	28.3	84.9	





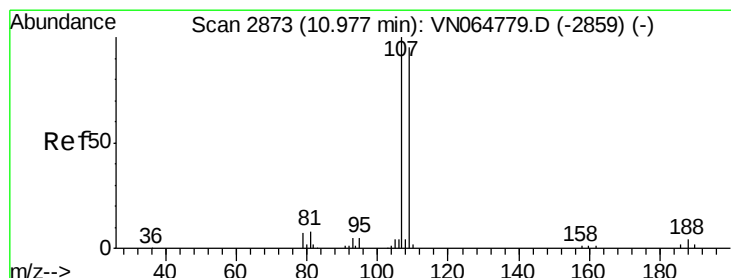
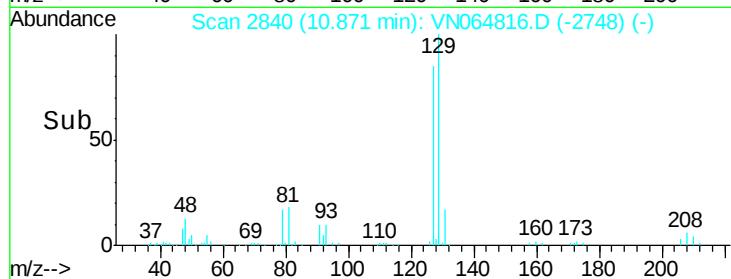
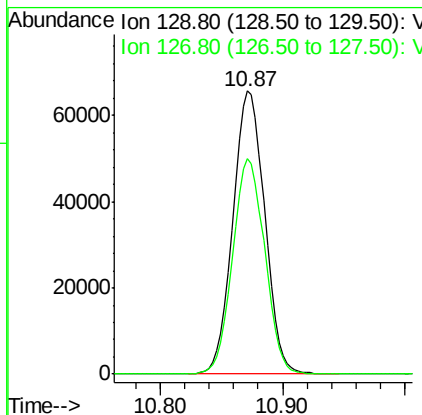
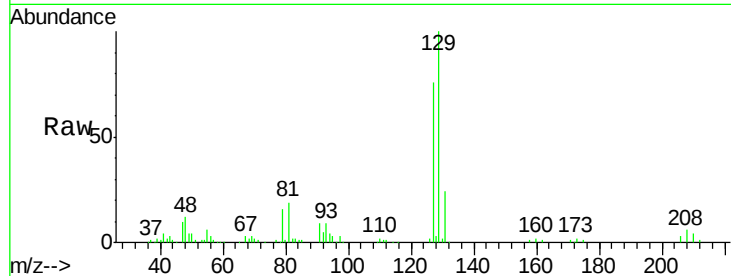
#60
Dibromochloromethane
Concen: 46.699 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.2

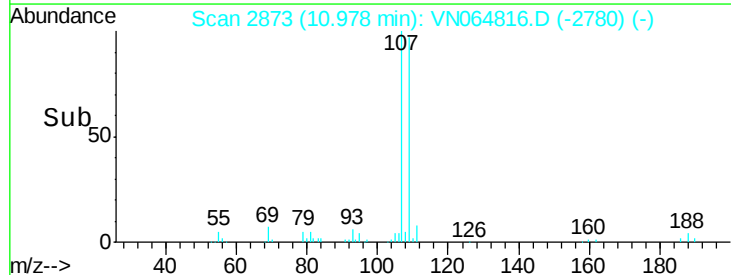
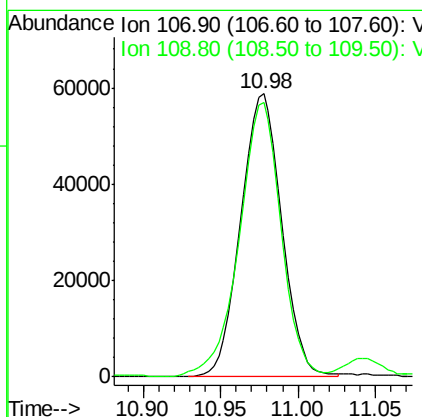
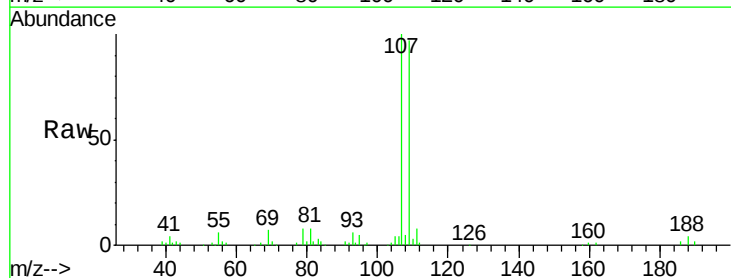
Manual Integrations
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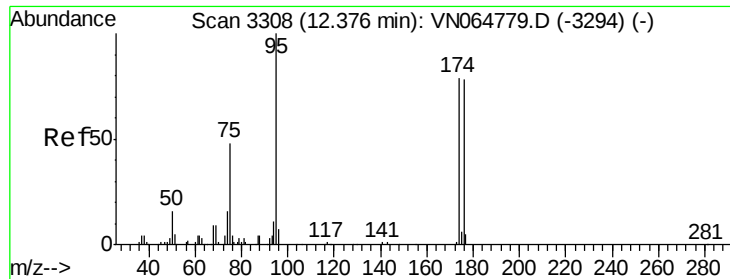
MMDadoda
11/25/2020 3:57:33 PM



#61
1,2-Dibromoethane
Concen: 46.530 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
107	100		
109	99.1	76.0	114.0





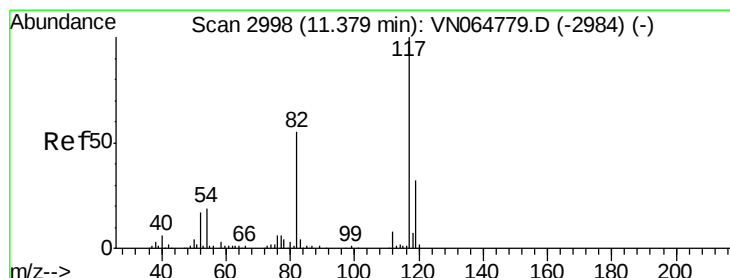
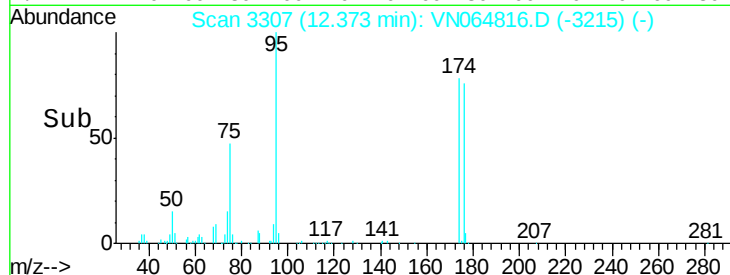
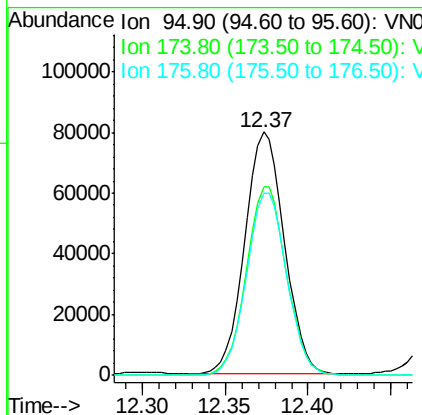
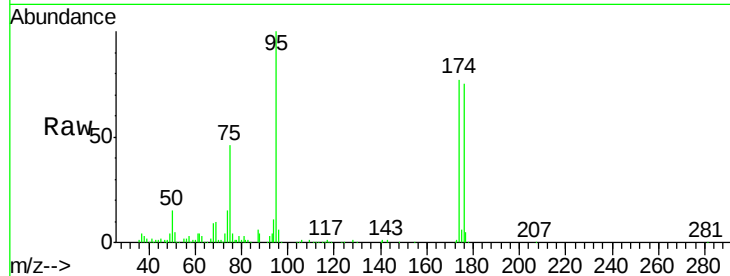
#62
4-Bromofluorobenzene
Concen: 47.491 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	132387		
174	78.7	0.0	160.4	
176	76.4	0.0	158.4	

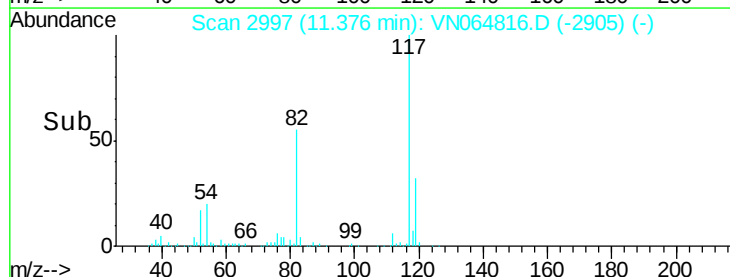
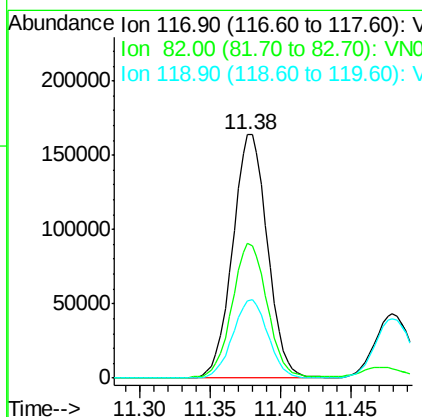
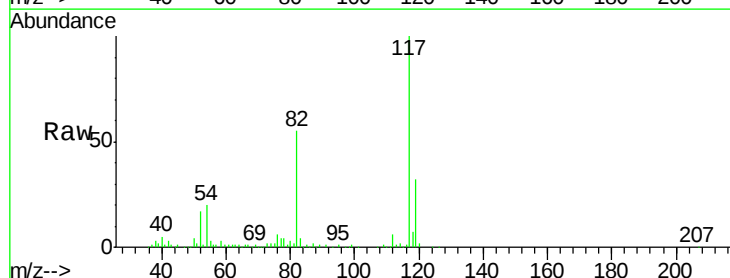
Manual Integrations
APPROVED

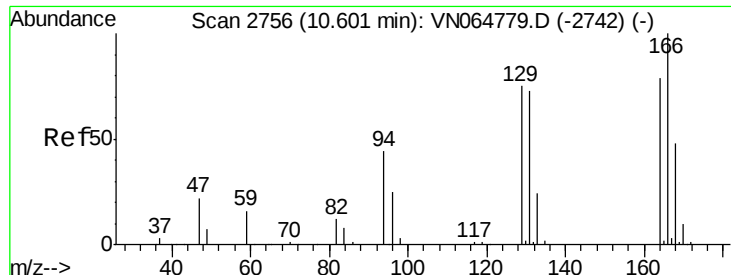
MMDadoda
11/25/2020 3:57:33 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	284003		
82	54.8	44.2	66.2	
119	31.6	25.8	38.6	





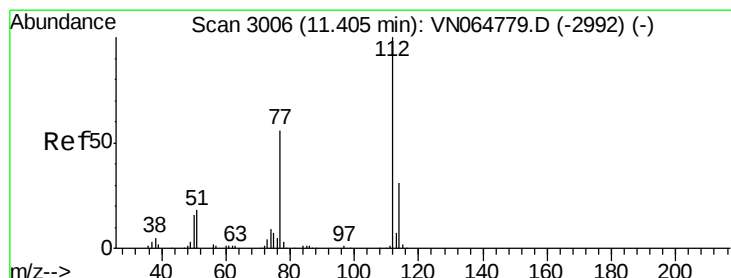
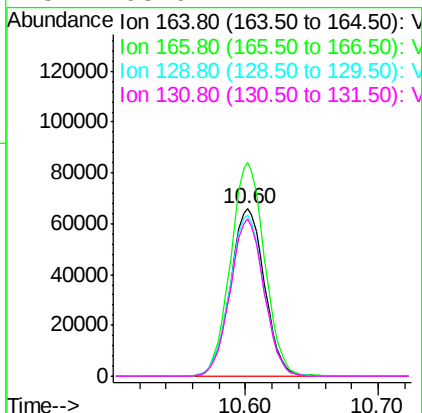
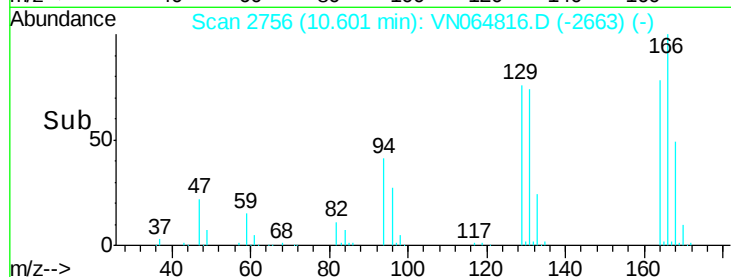
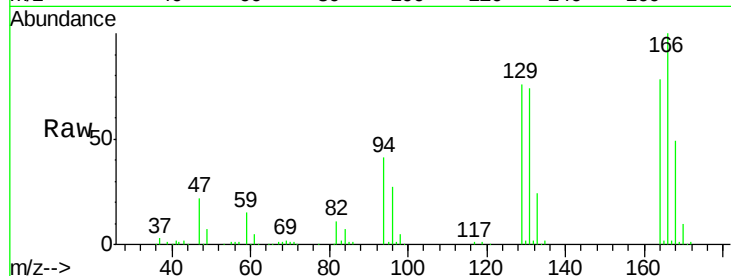
#64
Tetrachloroethene
Concen: 42.725 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.4	152.0
129	96.5	76.1	114.1
131	93.9	74.2	111.2

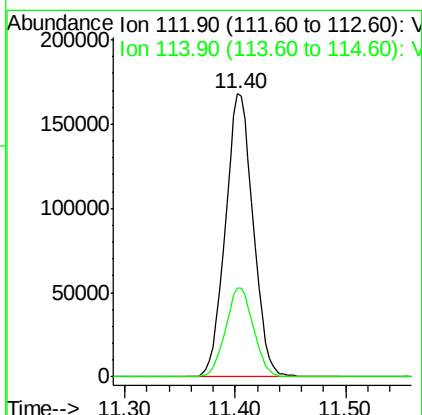
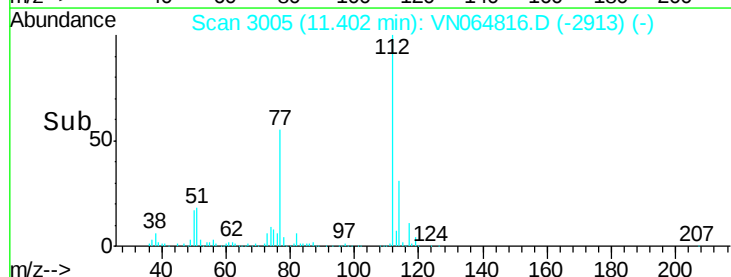
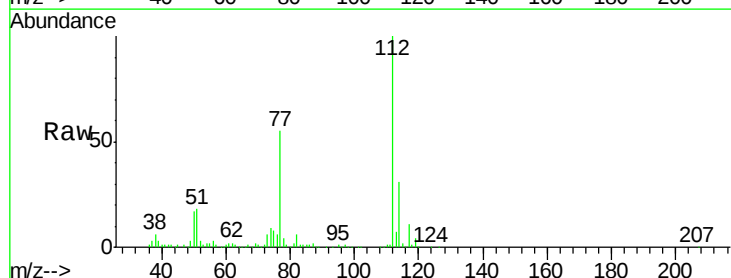
Manual Integrations
APPROVED

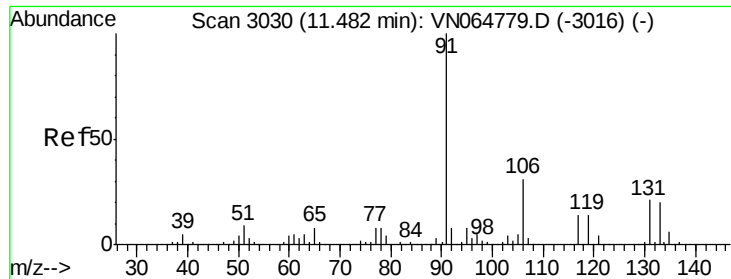
MMDadoda
11/25/2020 3:57:33 PM



#65
Chlorobenzene
Concen: 47.933 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.1	37.7





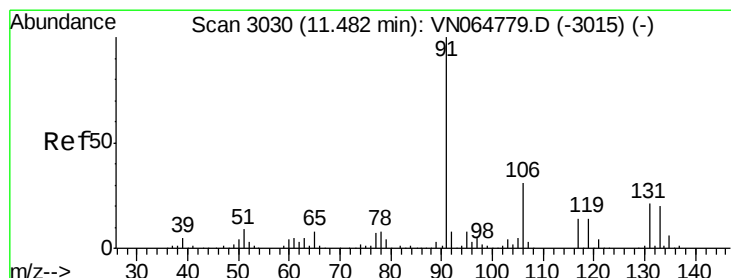
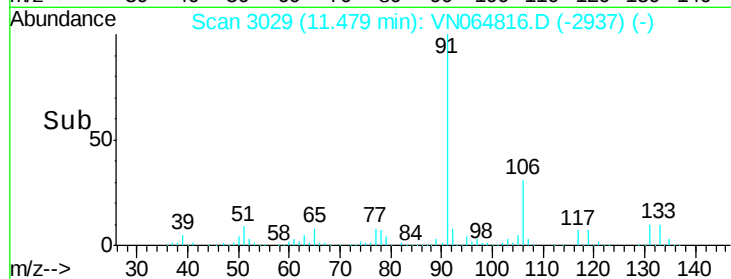
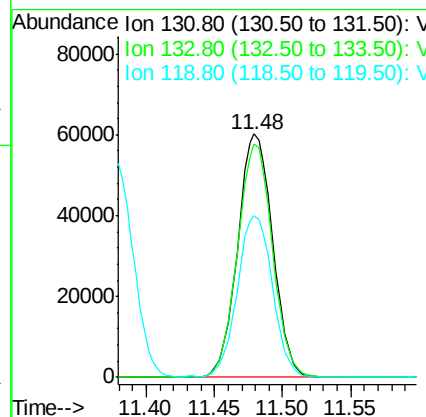
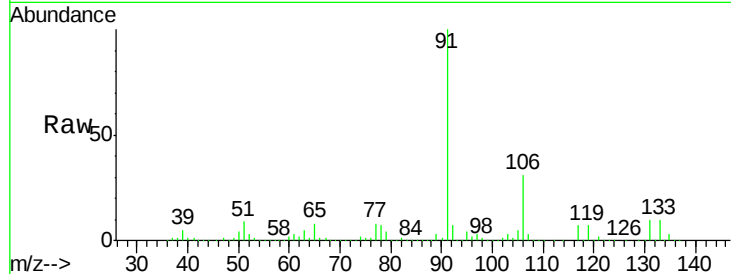
#66
 1,1,1,2-Tetrachloroethane
 Concen: 47.709 ug/l
 RT: 11.48 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	106932		
133	95.6	47.5	142.5	
119	66.8	33.3	99.8	

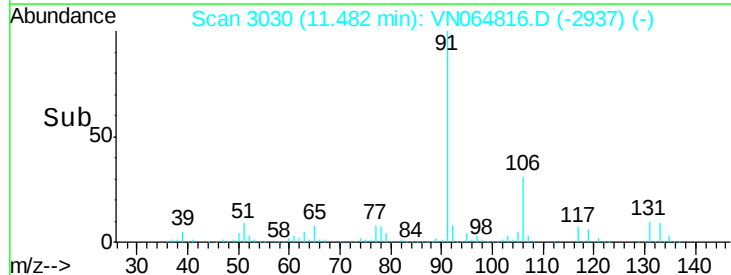
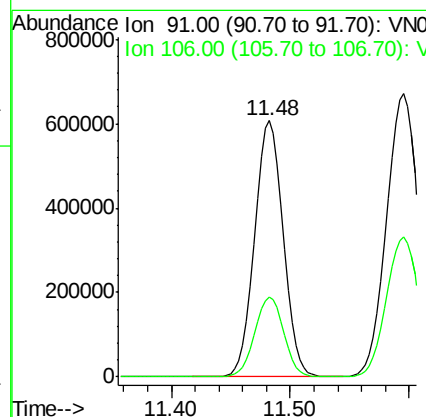
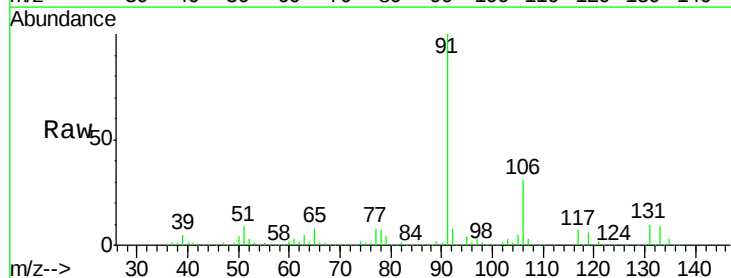
Manual Integrations
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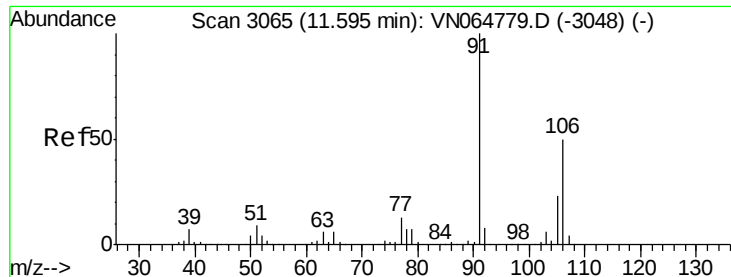
MMDadoda
 11/25/2020 3:57:33 PM



#67
 Ethyl Benzene
 Concen: 99.210 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1010811		
106	31.2	25.2	37.8	





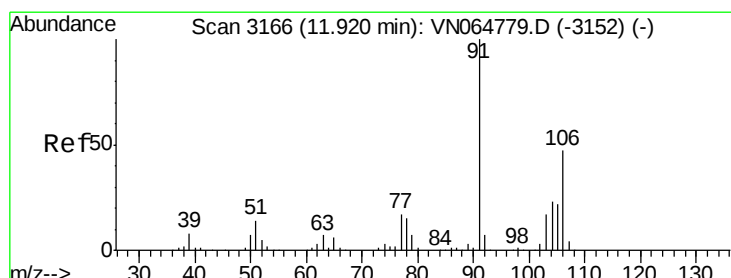
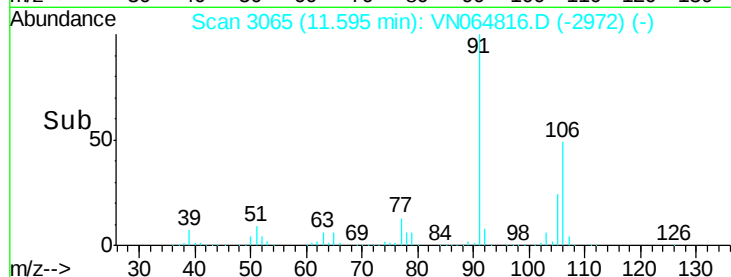
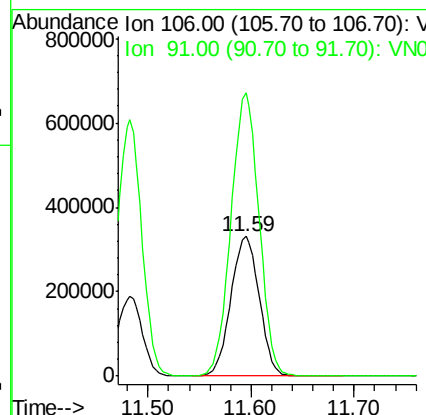
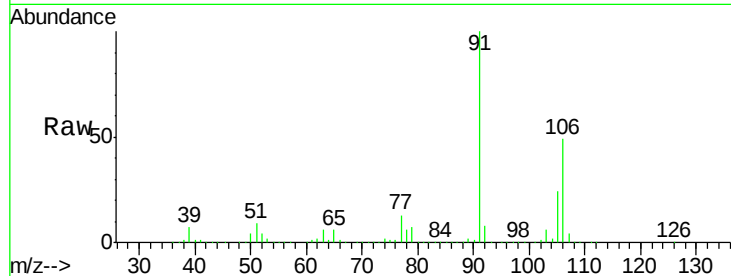
#68
m/p-Xylenes
Concen: 164.659 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion:106 Resp: 635171
Ion Ratio Lower Upper
106 100
91 200.2 161.0 241.4

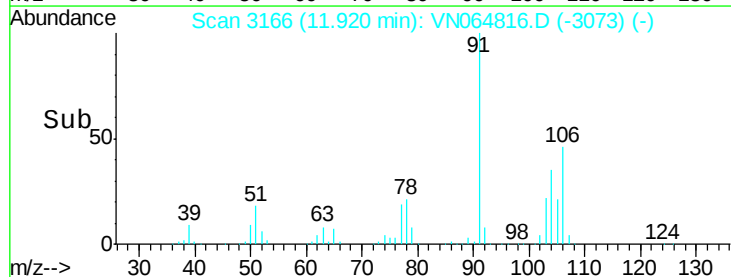
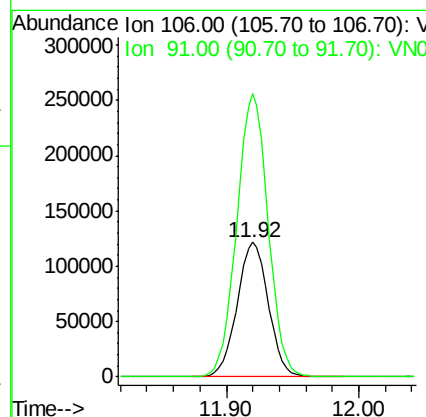
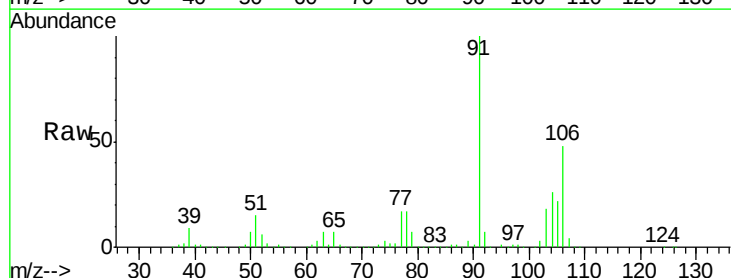
Manual Integrations
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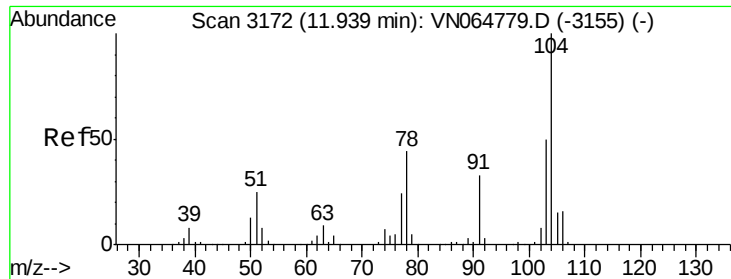
MMDadoda
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#69
o-Xylene
Concen: 54.205 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion:106 Resp: 198421
Ion Ratio Lower Upper
106 100
91 210.6 105.5 316.5





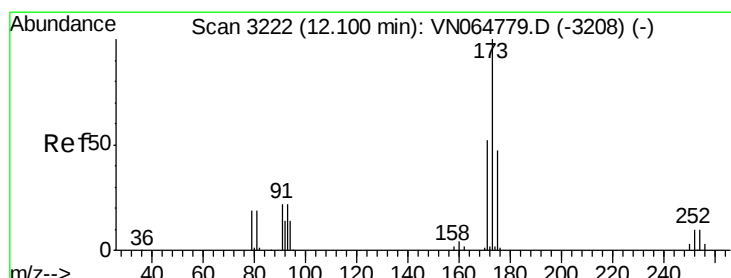
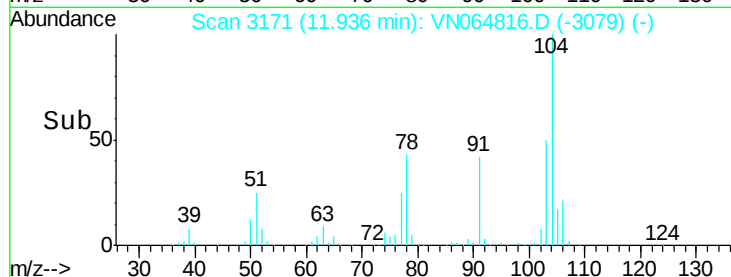
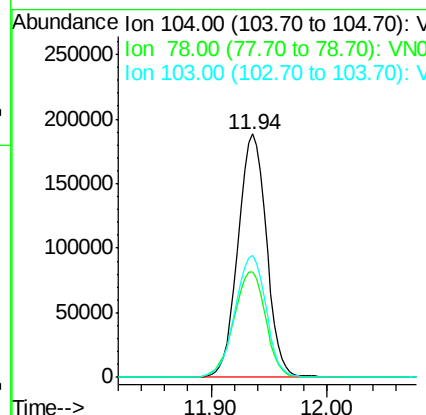
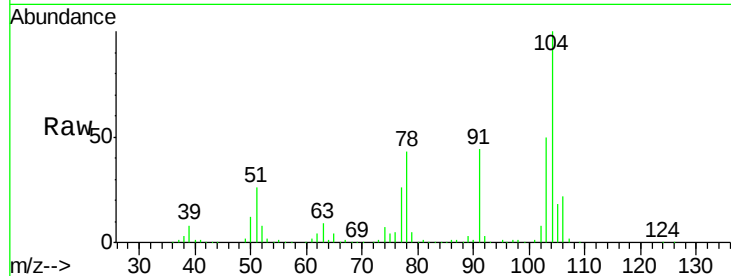
#70
Stvrene
Concen: 51.932 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampled :
MW-2MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.0	58.6
103	54.4	44.3	66.5

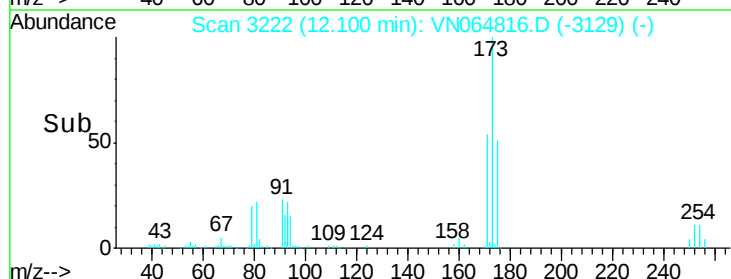
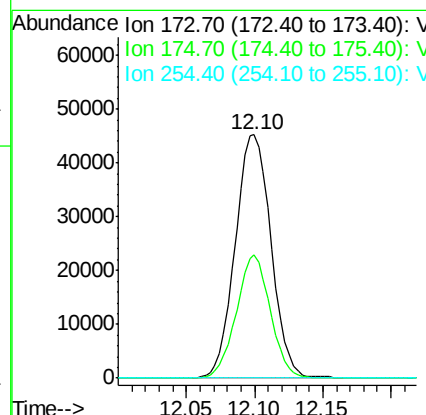
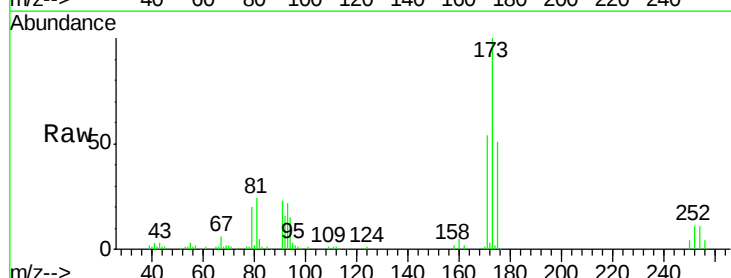
Manual Integrations
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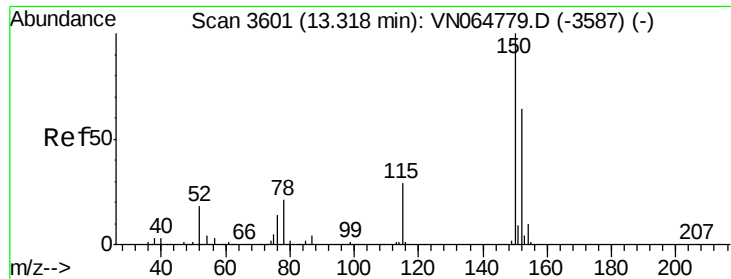
MMDadoda
11/25/2020 3:57:33 PM



#71
Bromoform
Concen: 46.004 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.3	72.8
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion:152 Resp: 139030

Ion Ratio Lower Upper

152 100

115 70.0 29.7 89.1

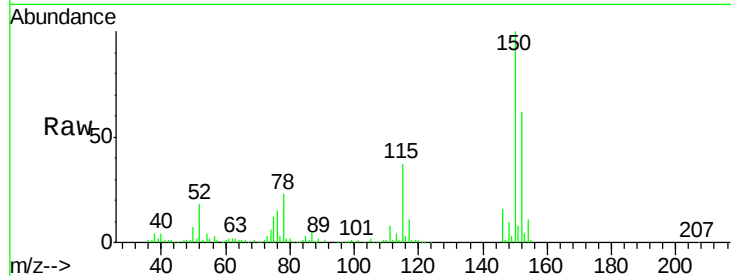
150 175.3 0.0 350.6

Manual Integrations

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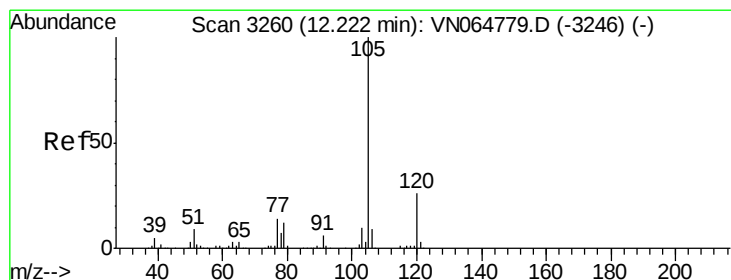
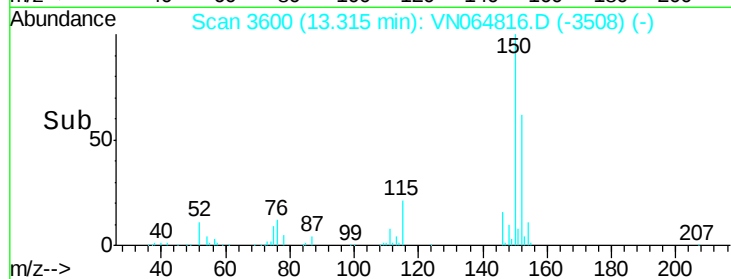
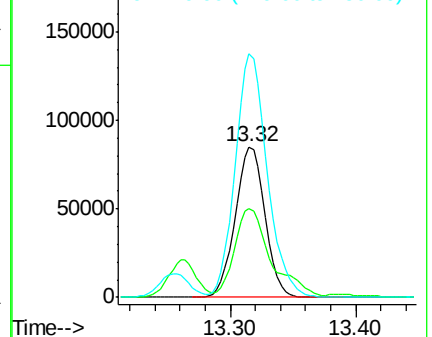
11/25/2020 3:57:33 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 77.331 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064816.D

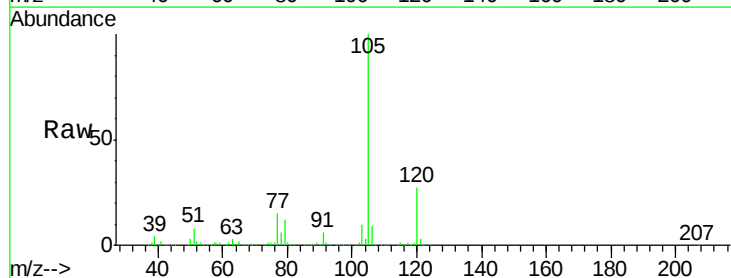
Acq: 24 Nov 2020 17:28

Tgt Ion:105 Resp: 747827

Ion Ratio Lower Upper

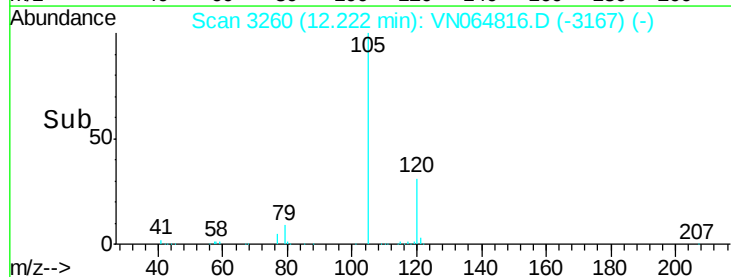
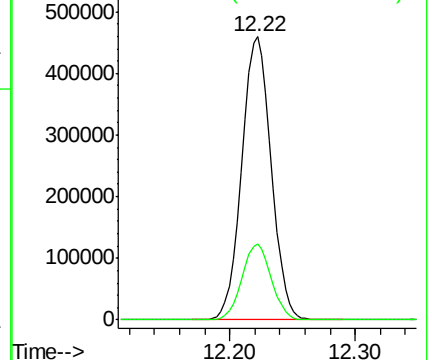
105 100

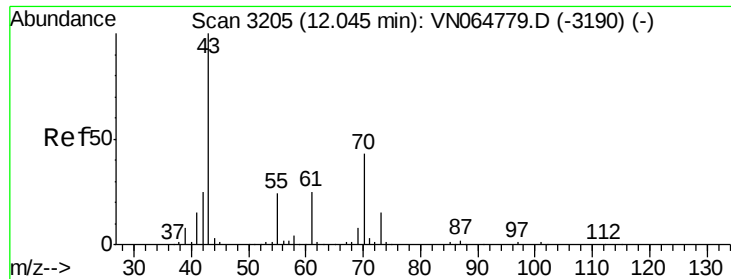
120 26.8 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 47.816 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

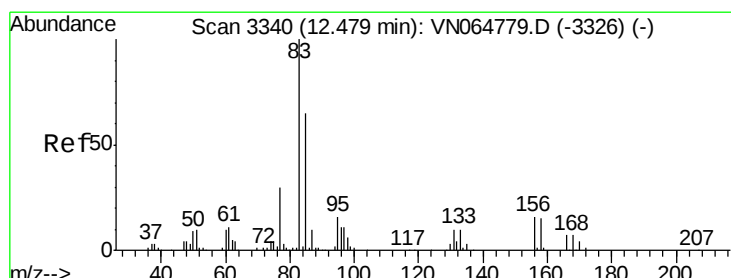
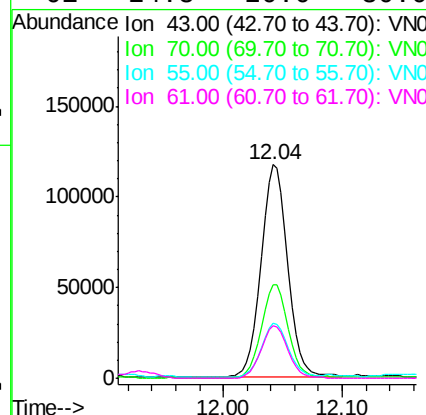
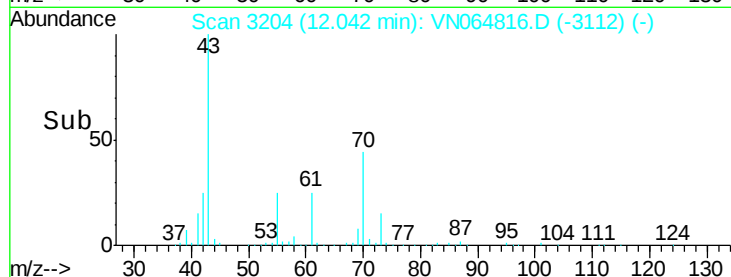
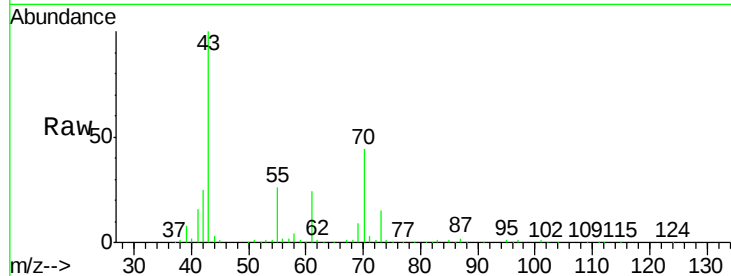
ClientSampleId :

MW-2MS

Tot Ion:	43	Resp:	181972
Ion	Ratio	Lower	Upper
43	100		
70	44.3	34.5	51.7
55	25.0	20.4	30.6
61	24.8	20.0	30.0

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.677 ug/l

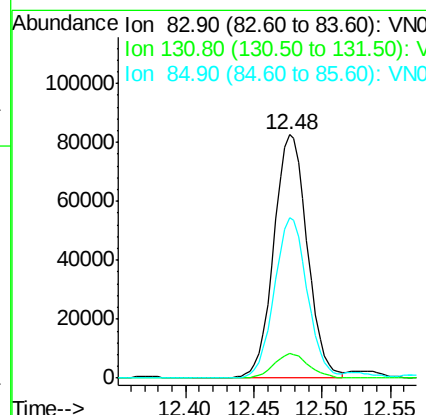
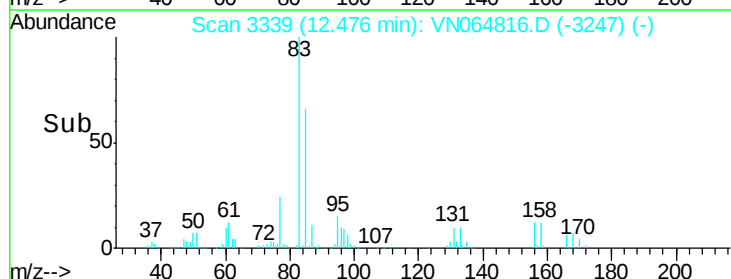
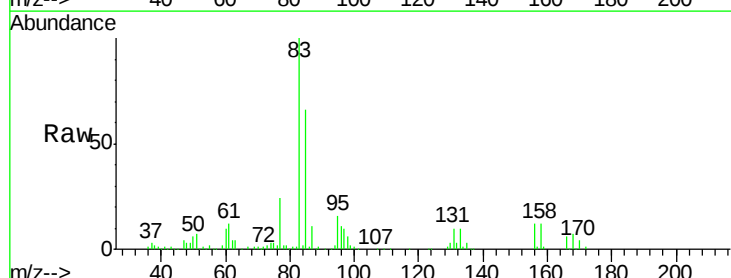
RT: 12.48 min Scan# 3339

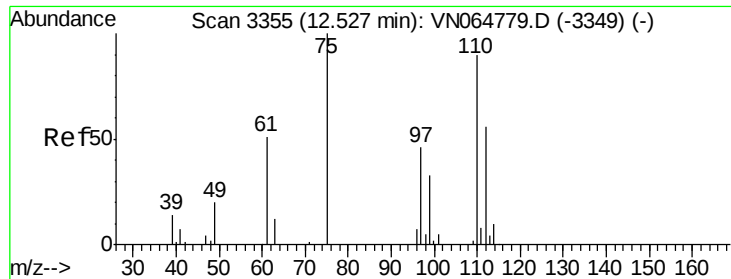
Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	83	Resp:	140808
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.1	15.3
85	64.8	33.0	99.0





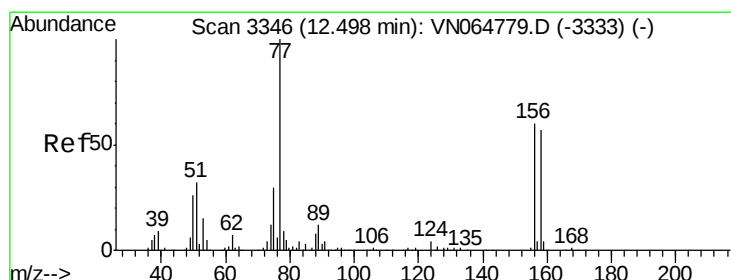
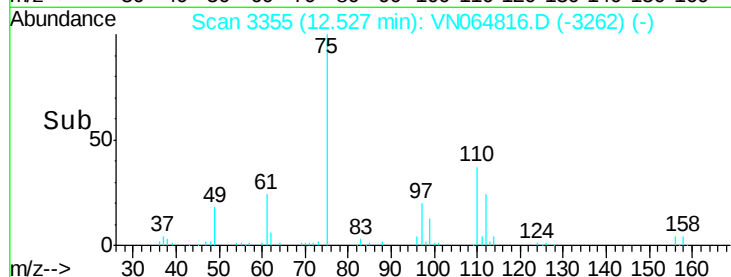
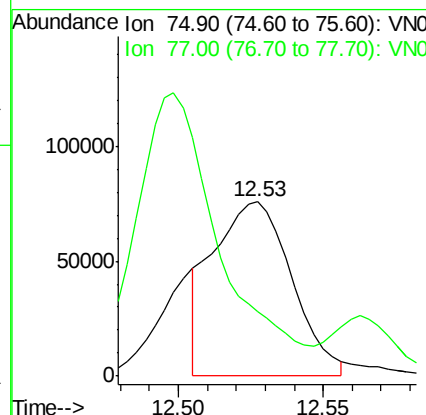
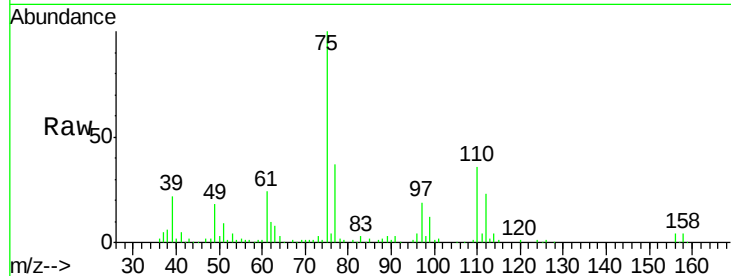
#76
1,2,3-Trichloropropane
Concen: 47.815 ug/l m
RT: 12.53 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion: 75 Resp: 143163
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

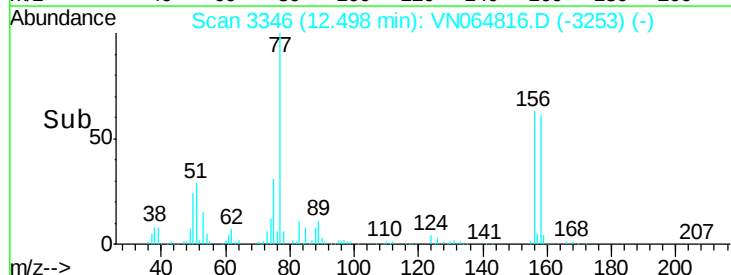
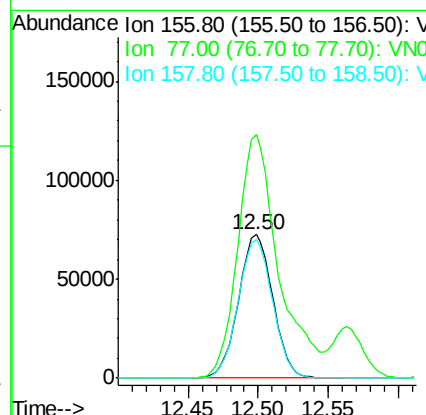
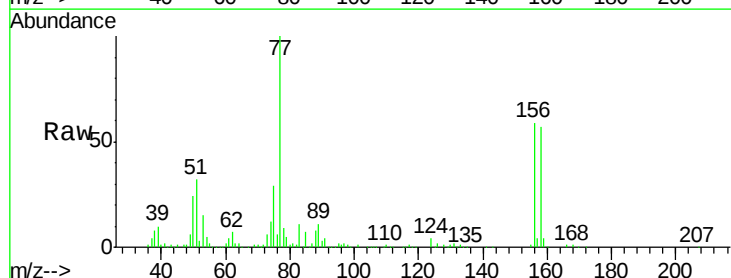
Manual Integrations
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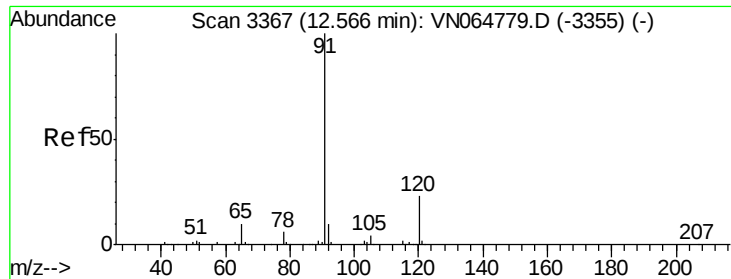
MMDadoda
11/25/2020 3:57:33 PM



#77
Bromobenzene
Concen: 47.526 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion: 156 Resp: 123907
Ion Ratio Lower Upper
156 100
77 201.4 101.3 303.7
158 97.0 48.2 144.6





#78

n-propylbenzene

Concen: 97.632 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

ClientSampleId :

MW-2MS

Tot Ion: 91 Resp: 1075575

Ion Ratio Lower Upper

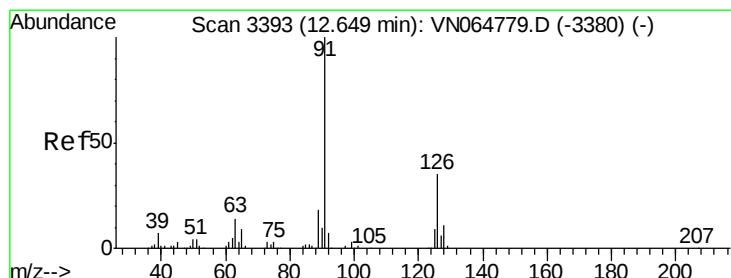
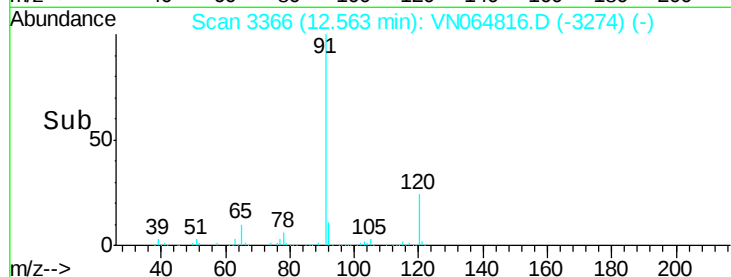
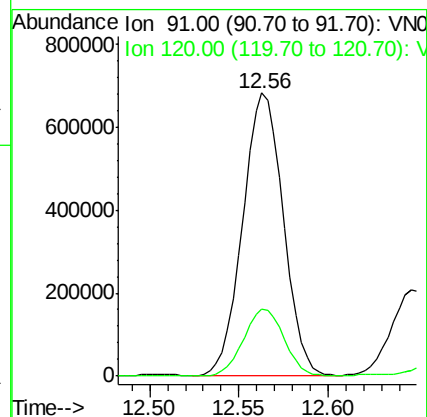
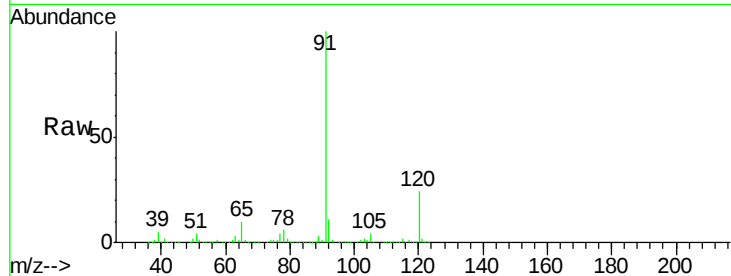
91 100

120 23.8 11.6 34.7

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#79

2-Chlorotoluene

Concen: 51.253 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064816.D

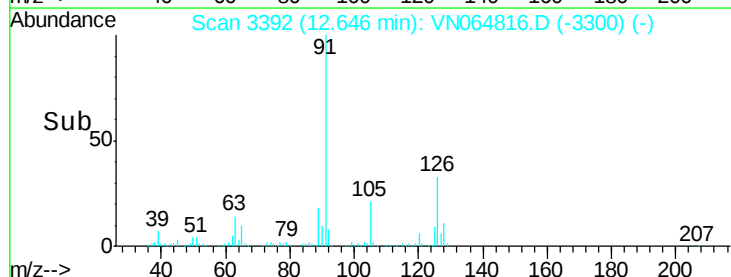
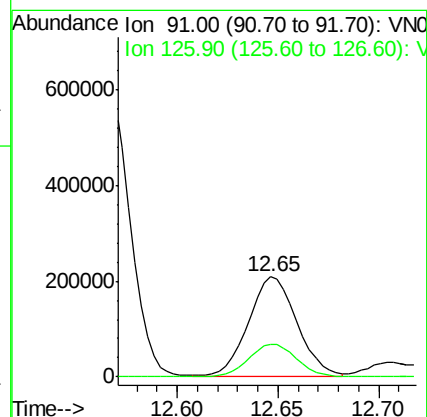
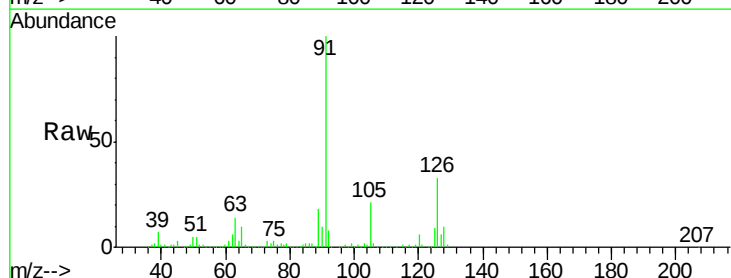
Acq: 24 Nov 2020 17:28

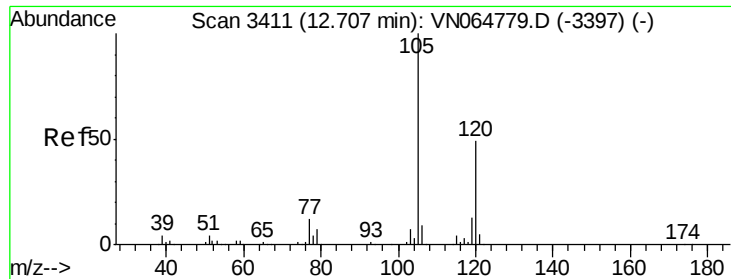
Tgt Ion: 91 Resp: 349022

Ion Ratio Lower Upper

91 100

126 32.8 17.2 51.6





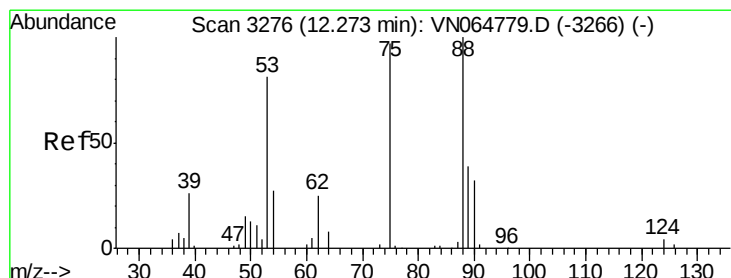
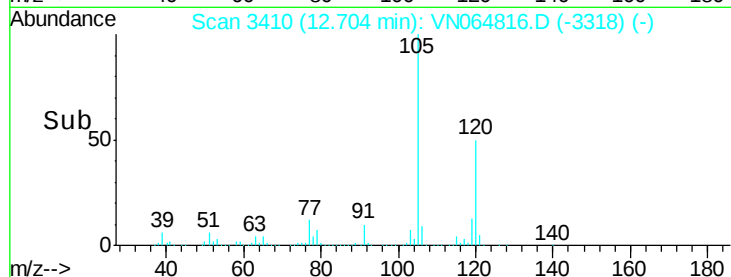
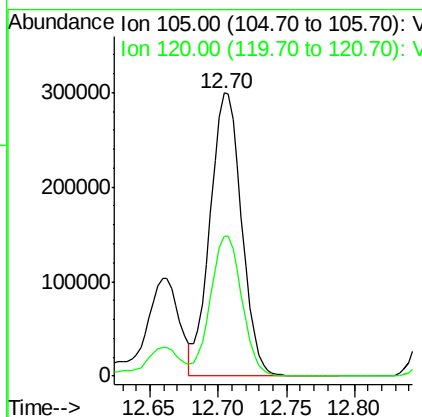
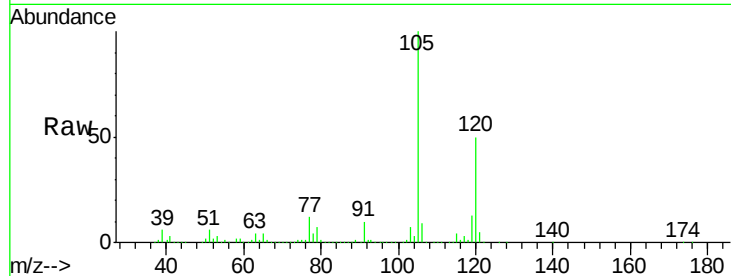
#80
 1,3,5-Trimethylbenzene
 Concen: 59.784 ug/l
 RT: 12.70 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion:105 Resp: 480550
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 73.6

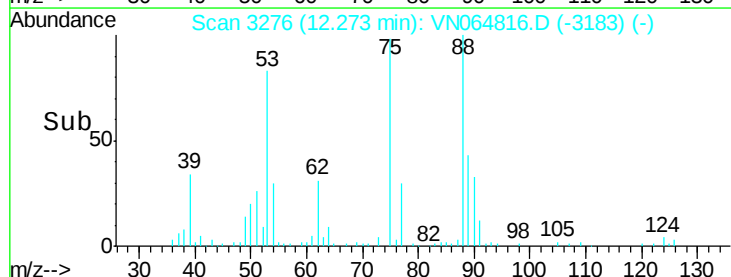
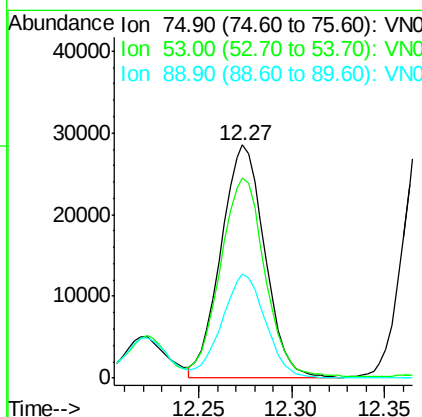
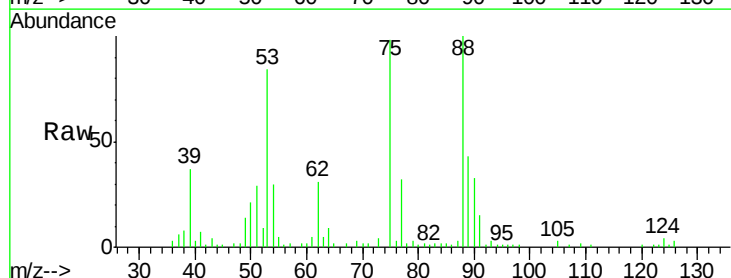
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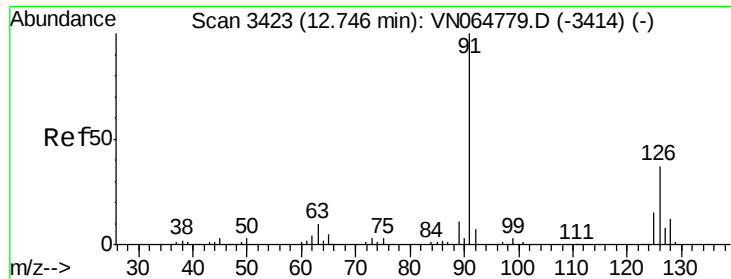
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.759 ug/l
 RT: 12.27 min Scan# 3276
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion: 75 Resp: 46712
 Ion Ratio Lower Upper
 75 100
 53 86.6 67.0 100.4
 89 44.3 39.6 59.4





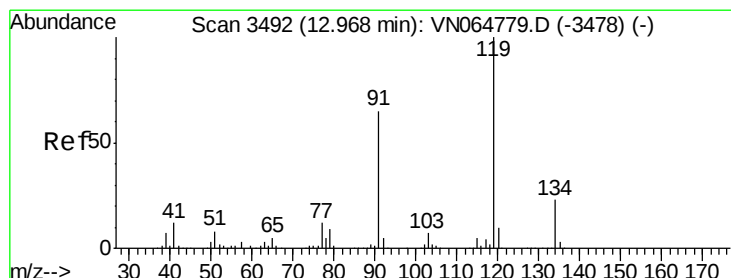
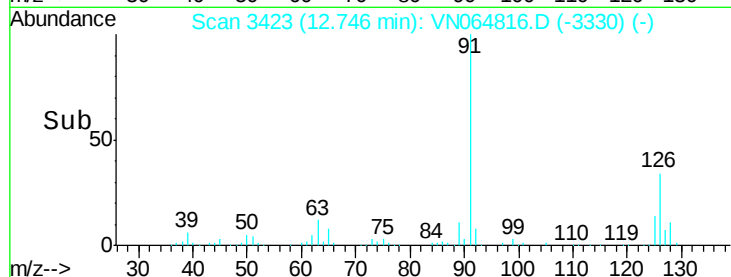
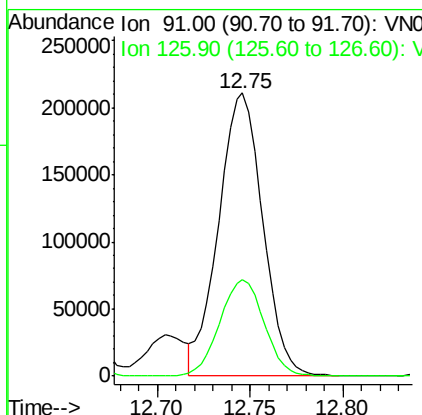
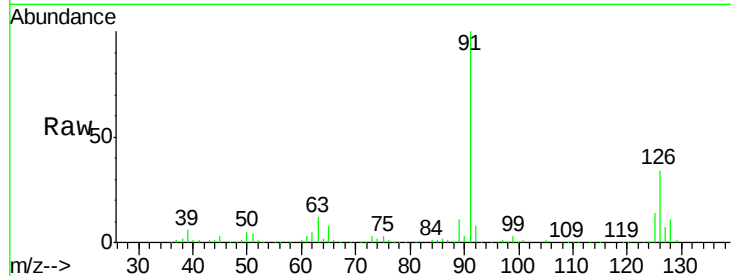
#82
4-Chlorotoluene
Concen: 48.344 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion: 91 Resp: 345077
Ion Ratio Lower Upper
91 100
126 34.8 16.9 50.7

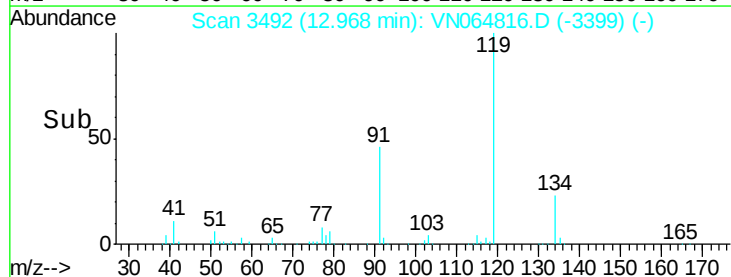
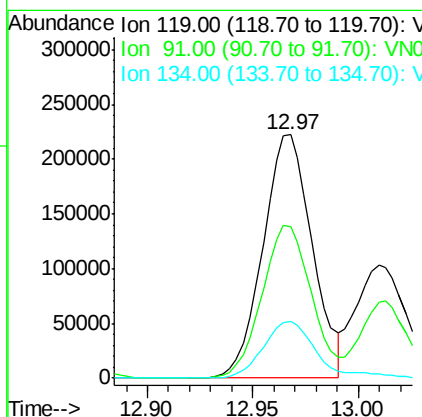
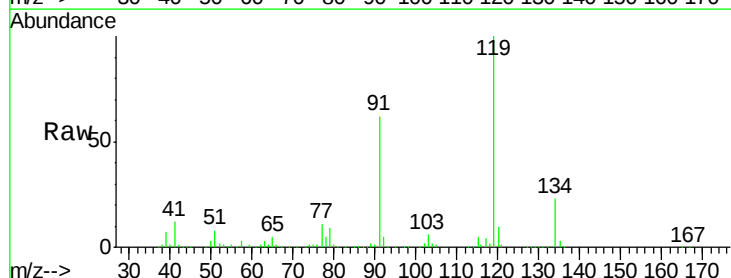
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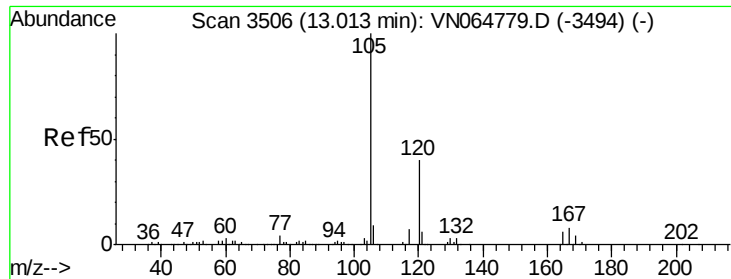
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#83
tert-Butylbenzene
Concen: 53.719 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion: 119 Resp: 361930
Ion Ratio Lower Upper
119 100
91 62.3 32.3 96.8
134 25.1 12.6 37.6





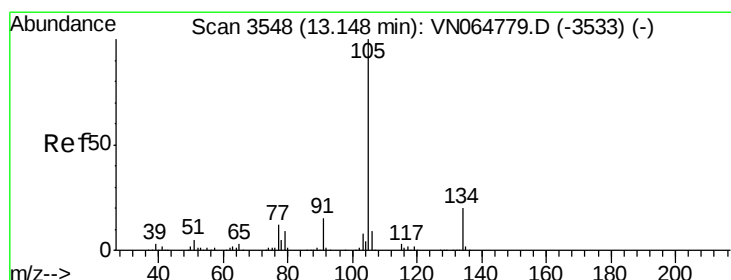
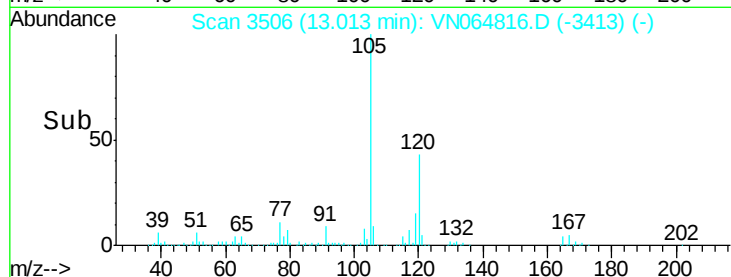
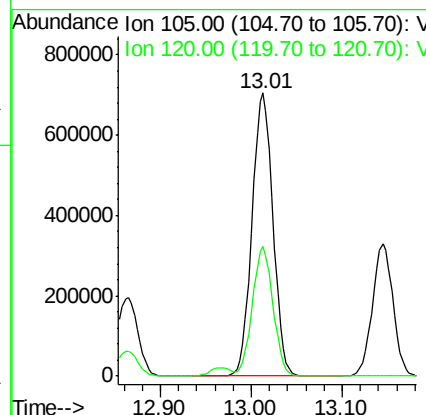
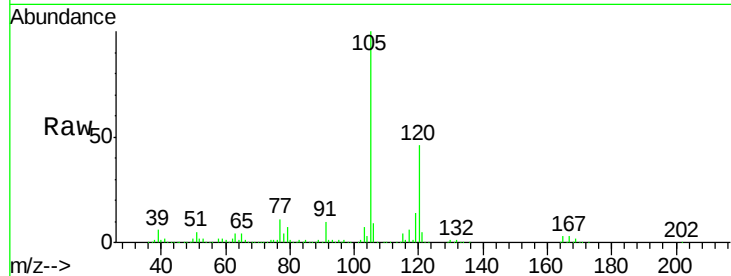
#84
1,2,4-Trimethylbenzene
Concen: 138.322 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampled :
MW-2MS

Tot Ion:105 Resp: 1124151
Ion Ratio Lower Upper
105 100
120 45.2 23.1 69.2

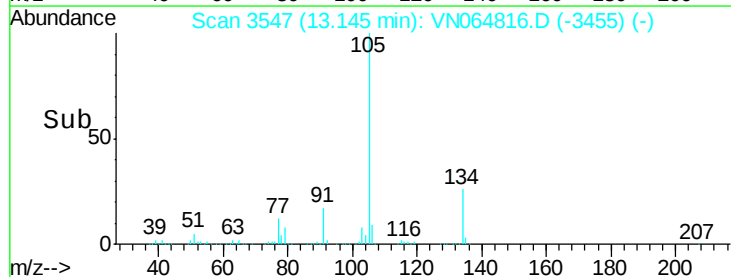
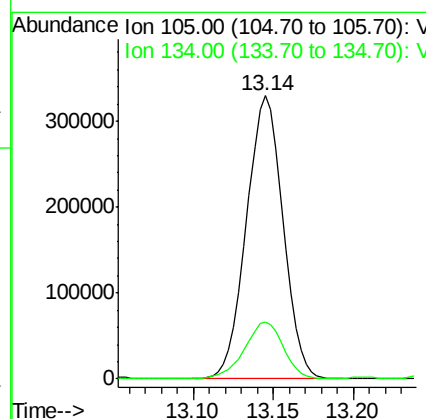
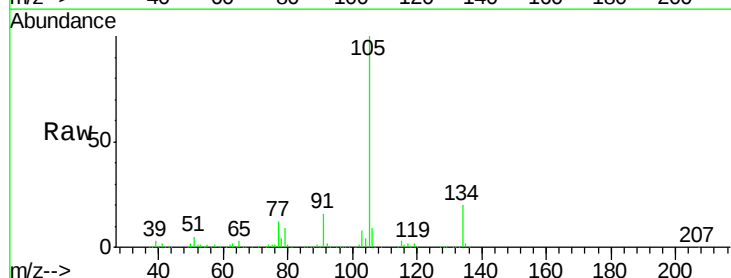
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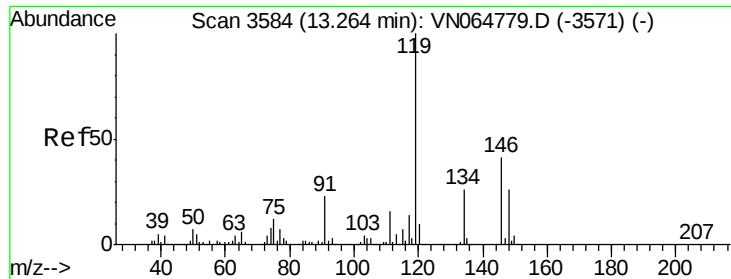
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#85
sec-Butylbenzene
Concen: 57.458 ug/l
RT: 13.14 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion:105 Resp: 513996
Ion Ratio Lower Upper
105 100
134 21.5 10.1 30.1





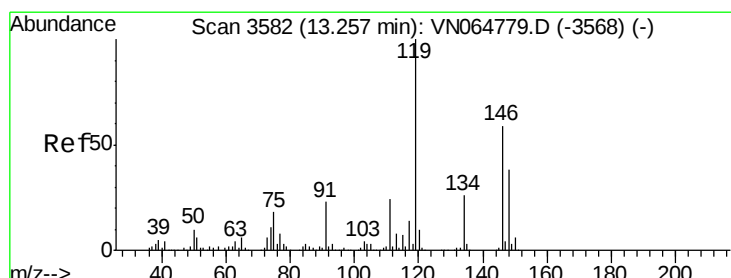
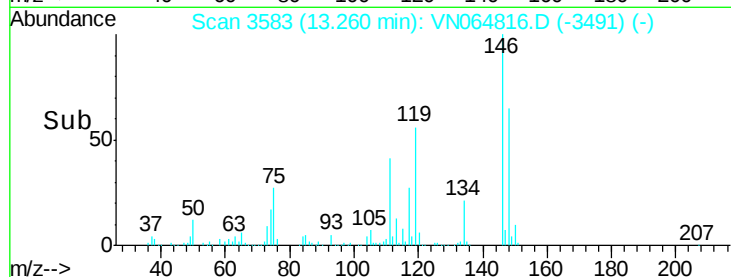
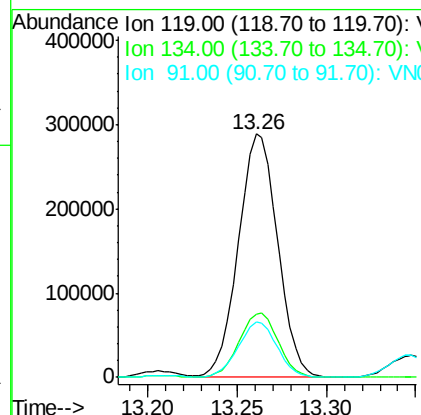
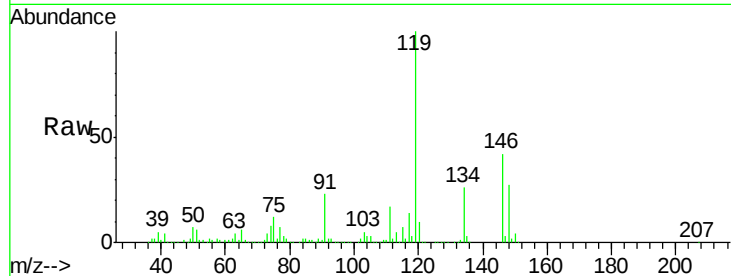
#86
 p-Isopropyltoluene
 Concen: 54.103 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.1	39.1
91	22.2	11.5	34.5

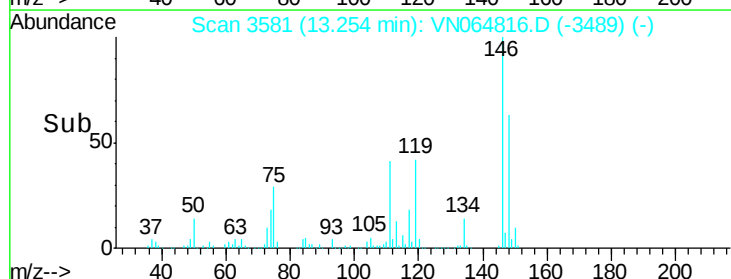
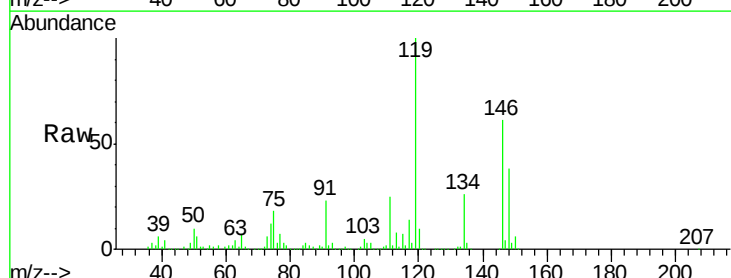
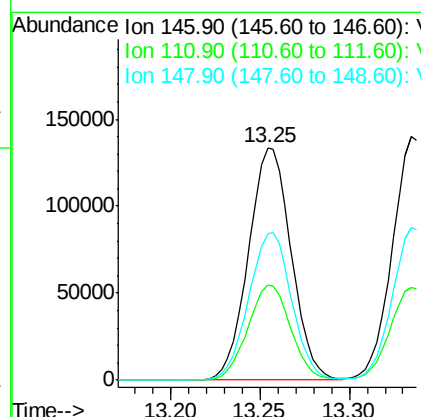
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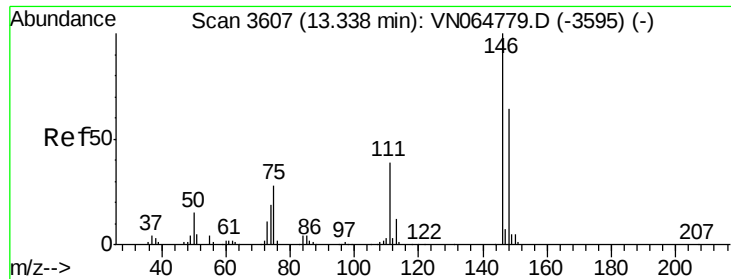
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#87
 1,3-Dichlorobenzene
 Concen: 48.112 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.6	61.9
148	63.8	31.9	95.5





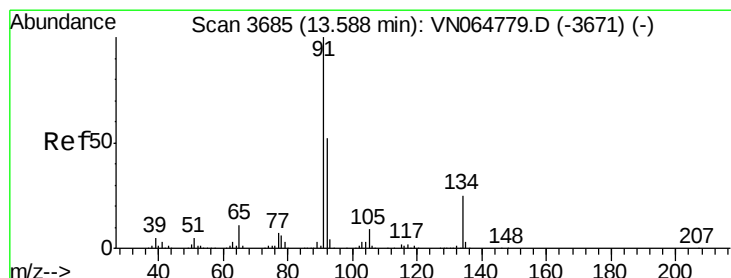
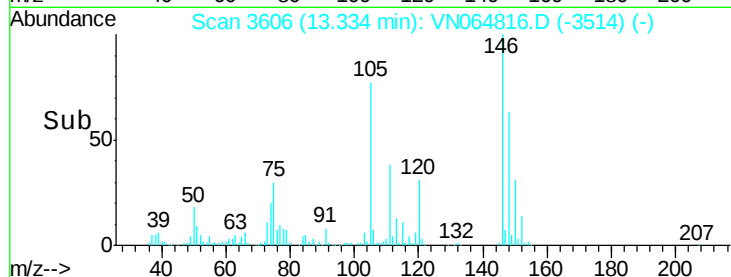
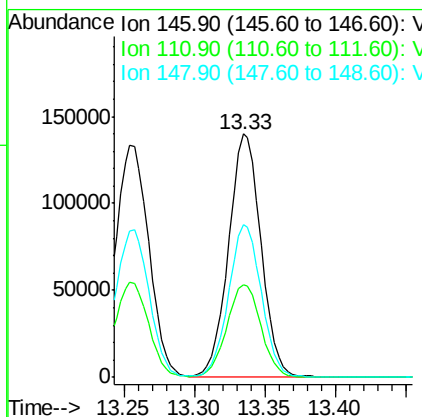
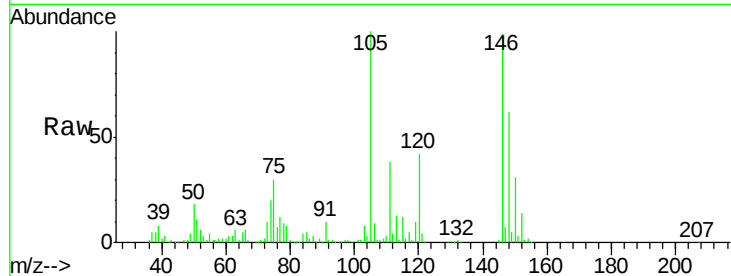
#88
 1,4-Dichlorobenzene
 Concen: 45.872 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.8	59.3
148	63.4	31.9	95.5

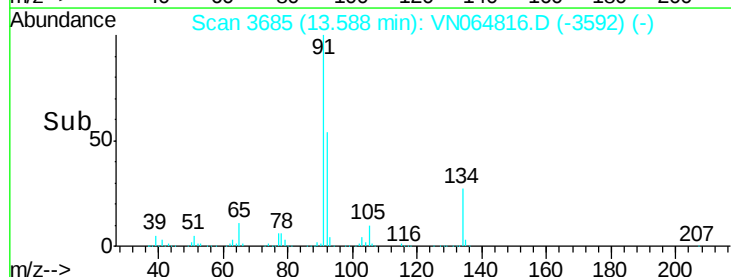
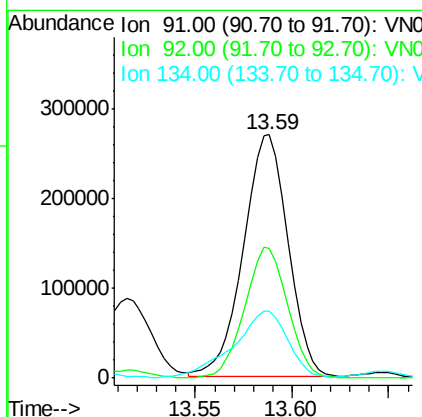
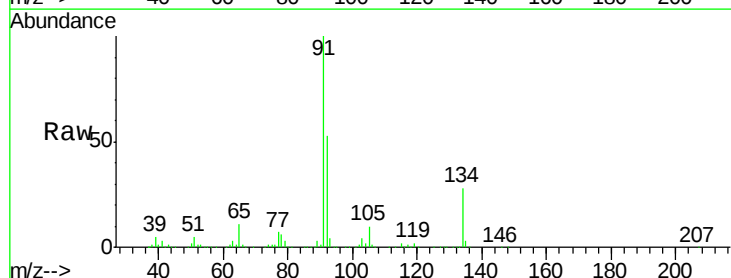
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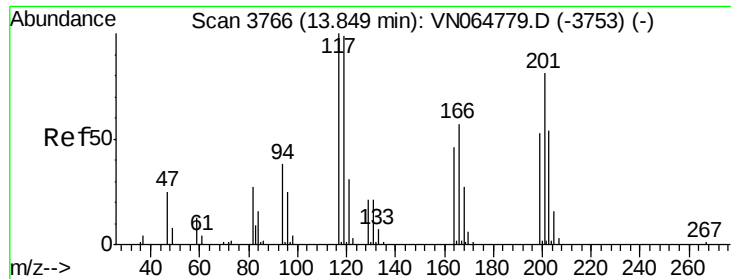
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#89
 n-Butylbenzene
 Concen: 60.212 ug/l
 RT: 13.59 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	33.0	12.9	38.6





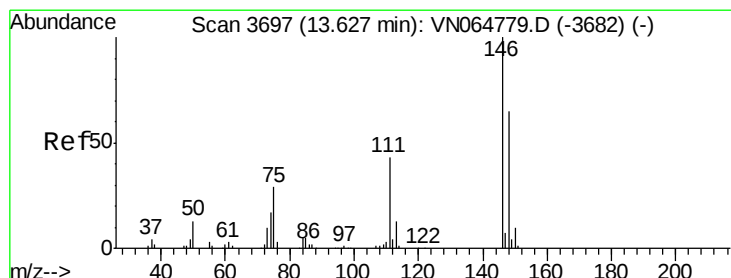
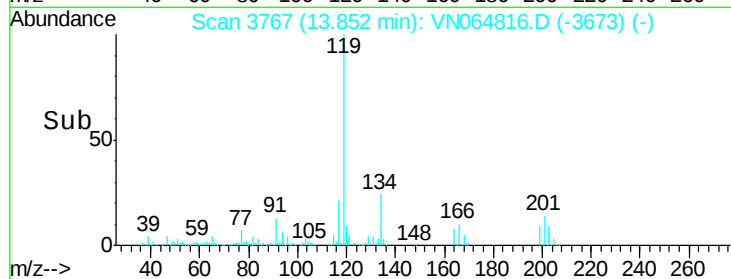
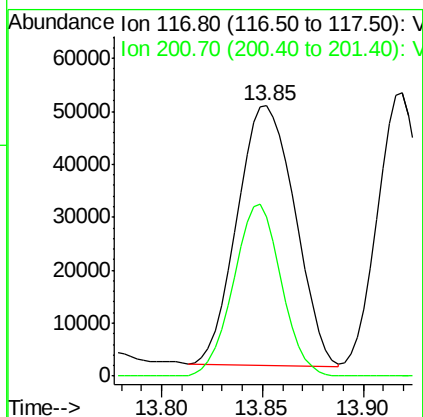
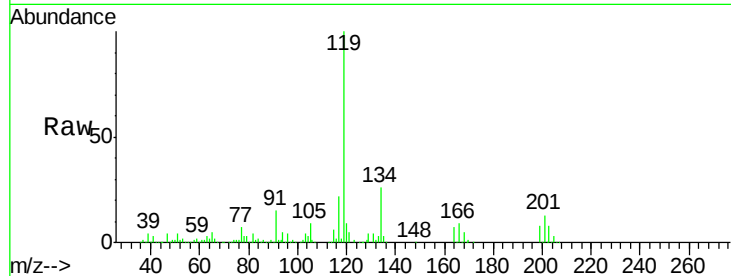
#90
Hexachloroethane
Concen: 69.684 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Instrument :
MSVOA_N
ClientSampleId :
MW-2MS

Tot Ion	Ratio	Lower	Upper
117	100		
201	54.7	40.1	120.3

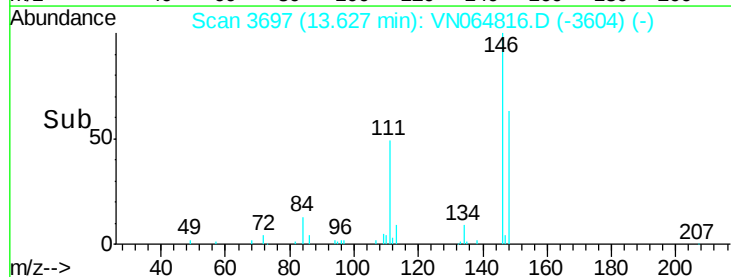
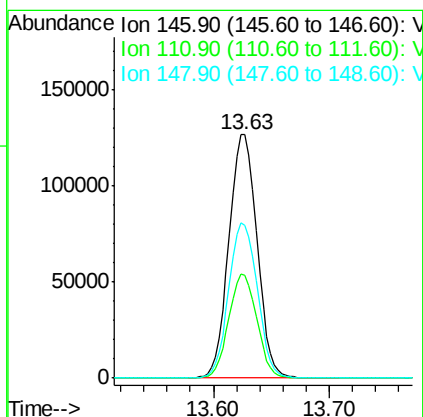
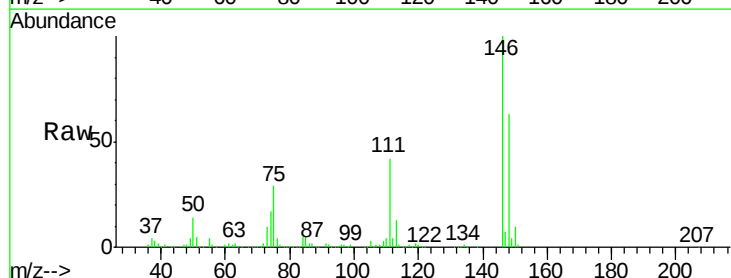
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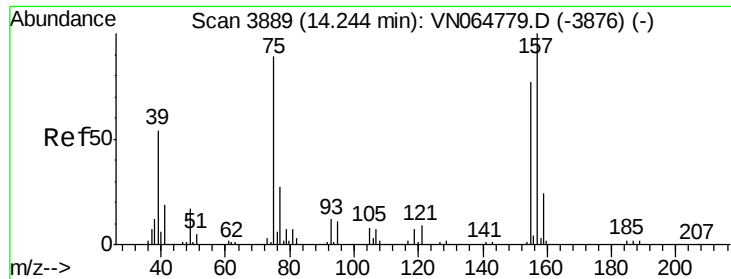
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#91
1,2-Dichlorobenzene
Concen: 46.964 ug/l
RT: 13.63 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN064816.D
Acq: 24 Nov 2020 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.1	63.1
148	64.8	32.0	96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 47.689 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

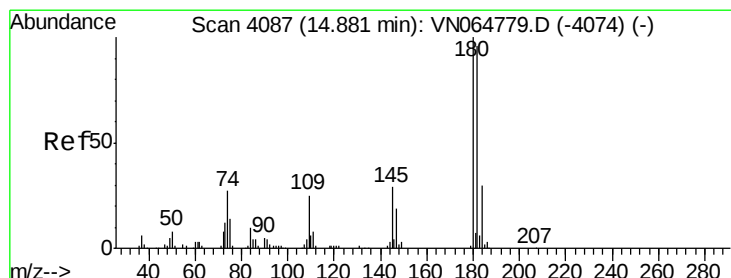
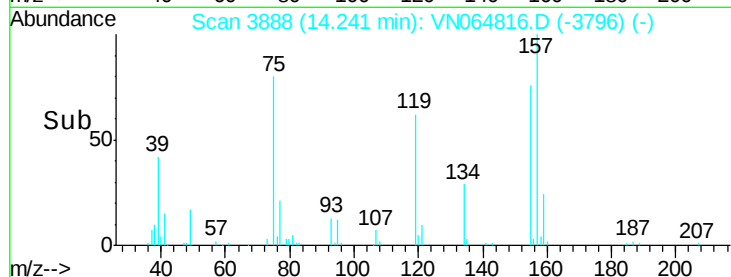
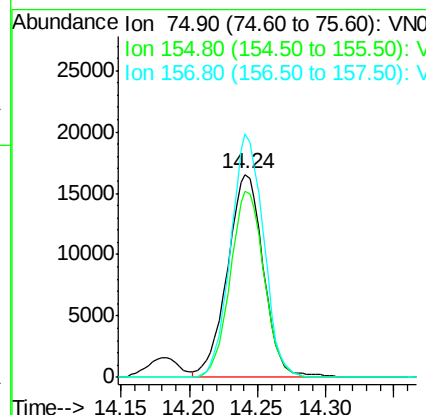
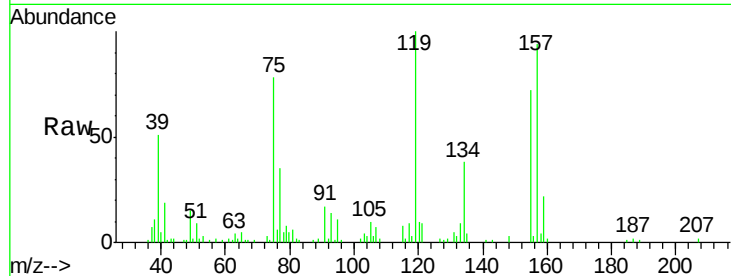
ClientSampleId :

MW-2MS

Tot Ion:	75	Resp:	30415
Ion Ratio	Lower	Upper	
75	100		
155	85.2	42.8	128.3
157	109.3	56.4	169.1

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#93

1,2,4-Trichlorobenzene

Concen: 47.662 ug/l

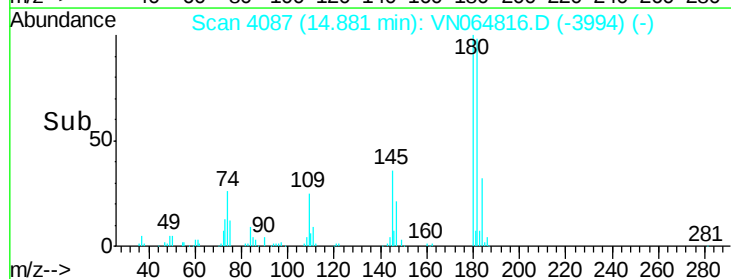
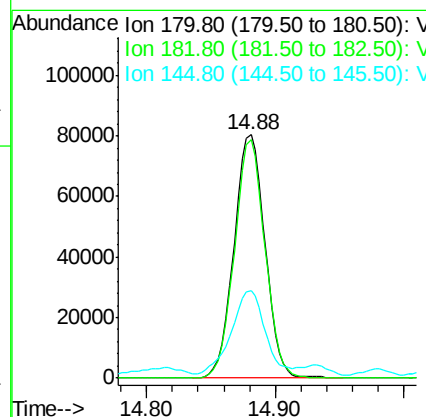
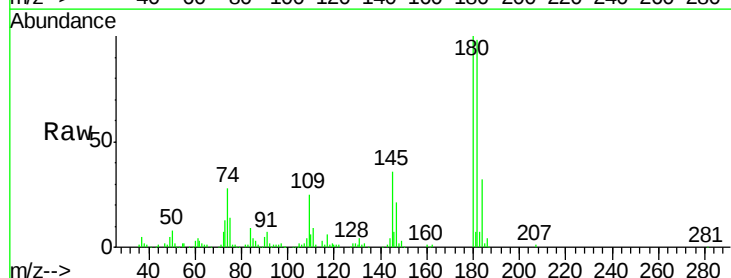
RT: 14.88 min Scan# 4087

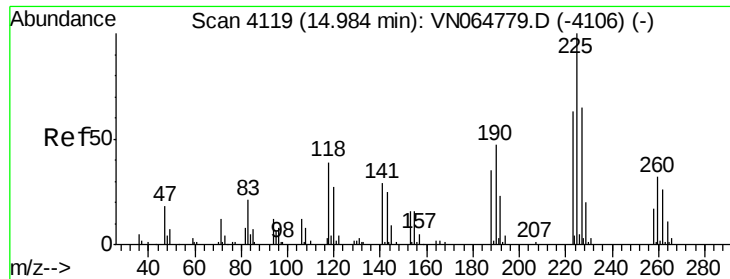
Delta R.T. 0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	180	Resp:	134100
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.6	142.9
145	36.3	15.3	45.8





#94

Hexachlorobutadiene

Concen: 44.802 ug/l

RT: 14.98 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Instrument :

MSVOA_N

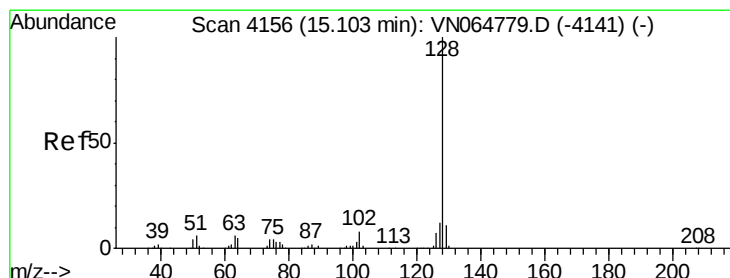
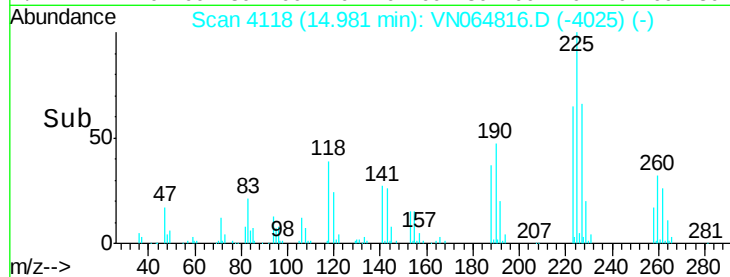
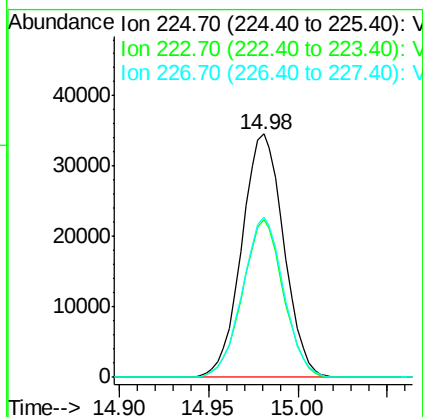
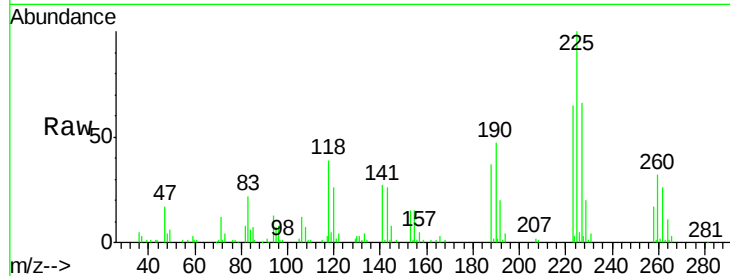
ClientSampleId :

MW-2MS

Tot Ion:	225	Resp:	56713
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.0	93.0
227	64.5	32.0	96.0

Manual Integrations
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#95

Naphthalene

Concen: 105.148 ug/l

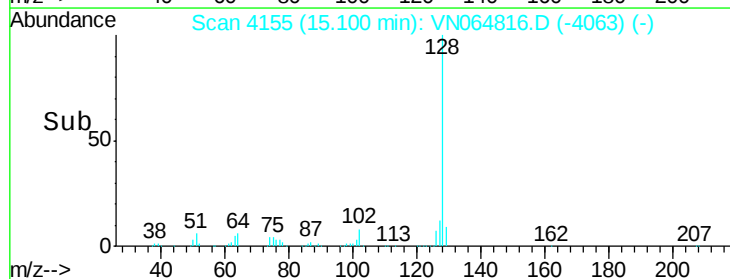
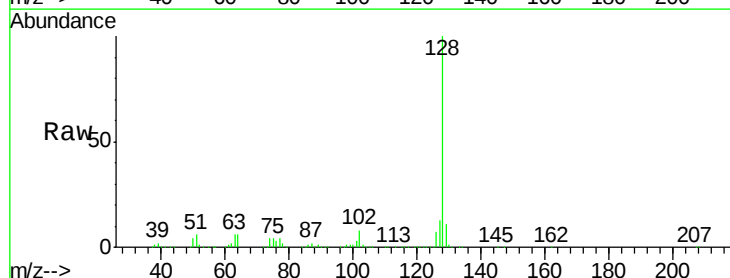
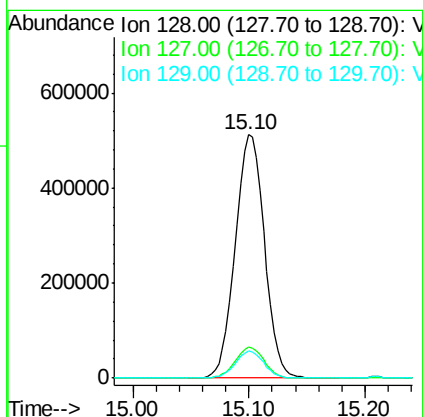
RT: 15.10 min Scan# 4155

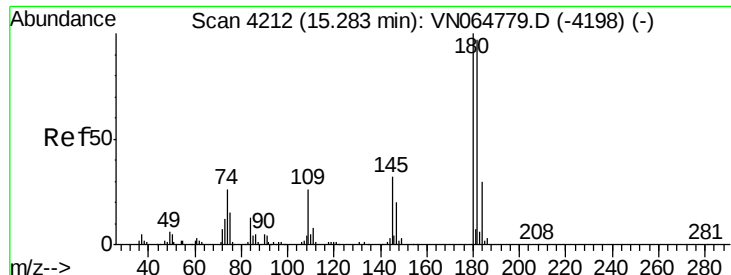
Delta R.T. -0.00 min

Lab File: VN064816.D

Acq: 24 Nov 2020 17:28

Tgt Ion:	128	Resp:	886297
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	10.7	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 49.714 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064816.D
 Acq: 24 Nov 2020 17:28

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2MS

Tot Ion:	180	Resp:	132900
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.1	144.4
145	39.9	16.4	49.1

Manual Integrations
 APPROVED

MMDadoda
 11/25/2020 3:57:33 PM

