

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
 Data File : VN064168.D
 Acq On : 16 Oct 2020 16:45
 Operator : JC/MD
 Sample : VN1016WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 4:22:25 PM

Quant Time: Oct 17 01:59:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	469560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	785359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	726570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	315383	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	364303	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	
35) Dibromofluoromethane	7.55	113	274467	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.06	98	1035446	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.38	95	333921	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	89006	20.119	ug/l	99
3) Chloromethane	2.03	50	121278	22.009	ug/l	97
4) Vinyl Chloride	2.16	62	134454	19.603	ug/l	99
5) Bromomethane	2.54	94	96383	18.725	ug/l	97
6) Chloroethane	2.68	64	90143	16.531	ug/l	93
7) Trichlorofluoromethane	2.99	101	177180	18.781	ug/l	98
8) Diethyl Ether	3.38	74	57978	19.644	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.72	101	96904	20.925	ug/l	98
10) Methyl Iodide	3.91	142	108030	16.546	ug/l	100
11) Tert butyl alcohol	4.74	59	82524	111.449	ug/l	99
12) 1,1-Dichloroethene	3.70	96	88868	19.002	ug/l	99
13) Acrolein	3.57	56	10543	17.335	ug/l	98
14) Allyl chloride	4.28	41	159904	21.913	ug/l	94
15) Acrylonitrile	4.94	53	231011	108.657	ug/l	100
16) Acetone	3.78	43	263235	132.704	ug/l	96
17) Carbon Disulfide	4.01	76	259919	19.445	ug/l	100
18) Methyl Acetate	4.28	43	114614	23.034	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	272308	19.740	ug/l	94
20) Methylene Chloride	4.51	84	114426	18.643	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	99846	18.831	ug/l	92
22) Diisopropyl ether	5.90	45	322241	22.732	ug/l	89
23) Vinyl Acetate	5.85	43	1427995	112.775	ug/l	98
24) 1,1-Dichloroethane	5.80	63	208297	21.042	ug/l	99
25) 2-Butanone	6.79	43	361835	118.594	ug/l	94
26) 2,2-Dichloropropane	6.78	77	169613	20.594	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	116468	18.672	ug/l	93
28) Bromochloromethane	7.15	49	112767	23.916	ug/l #	99
29) Tetrahydrofuran	7.17	42	204198	114.516	ug/l	92
30) Chloroform	7.33	83	210605	19.970	ug/l	99
31) Cyclohexane	7.62	56	148433	20.078	ug/l	91
32) 1,1,1-Trichloroethane	7.53	97	178730	19.613	ug/l	99
36) 1,1-Dichloropropene	7.76	75	144168	19.045	ug/l	98
37) Ethyl Acetate	6.88	43	154434	22.988	ug/l	96
38) Carbon Tetrachloride	7.74	117	149865	18.411	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	120485	18.932	ug/l	91
40) Benzene	8.01	78	458913	20.019	ug/l	98
41) Methacrylonitrile	7.13	41	54143	18.615	ug/l	93
42) 1,2-Dichloroethane	8.09	62	170938	20.957	ug/l	98
43) Isopropyl Acetate	8.13	43	243312	21.826	ug/l #	86
44) Trichloroethene	8.80	130	112584	18.677	ug/l	99
45) 1,2-Dichloropropane	9.08	63	125368	20.874	ug/l	96
46) Dibromomethane	9.17	93	80118	18.803	ug/l	98
47) Bromodichloromethane	9.37	83	165009	19.793	ug/l	99
48) Methyl methacrylate	9.17	41	110272	21.414	ug/l	97
49) 1,4-Dioxane	9.18	88	33373	426.799	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	758108	114.923	ug/l	96
52) Toluene	10.13	92	274151	19.464	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	168701	19.722	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	186346	19.827	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	111356	19.083	ug/l	98
56) Ethyl methacrylate	10.40	69	146122	18.787	ug/l	92
57) 1,3-Dichloropropane	10.68	76	191221	19.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	408634	102.608	ug/l	97
59) 2-Hexanone	10.72	43	549418	111.642	ug/l	94
60) Dibromochloromethane	10.87	129	119640	18.252	ug/l	100
61) 1,2-Dibromoethane	10.98	107	114006	19.195	ug/l	99
64) Tetrachloroethene	10.60	164	101443	18.519	ug/l	95
65) Chlorobenzene	11.41	112	285536	18.662	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	107963	18.585	ug/l	98
67) Ethyl Benzene	11.49	91	494618	19.298	ug/l	98
68) m/p-Xylenes	11.59	106	368939	36.344	ug/l	96
69) o-Xylene	11.92	106	170246	17.888	ug/l	98
70) Styrene	11.94	104	292514	18.131	ug/l	97
71) Bromoform	12.10	173	78694	17.854	ug/l #	100
73) Isopropylbenzene	12.23	105	444496	19.457	ug/l	100
74) N-amyl acetate	12.05	43	192092	22.453	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	153050	19.459	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	146420m	19.789	ug/l	
77) Bromobenzene	12.50	156	112523	18.143	ug/l	88
78) n-propylbenzene	12.57	91	526480	20.648	ug/l	96
79) 2-Chlorotoluene	12.65	91	320229	19.747	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	373094	20.347	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	49611	20.485	ug/l	90
82) 4-Chlorotoluene	12.75	91	338413	20.706	ug/l	96
83) tert-Butylbenzene	12.97	119	288861	19.048	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	367804	19.358	ug/l	98
85) sec-Butylbenzene	13.15	105	388335	19.920	ug/l	100
86) p-Isopropyltoluene	13.26	119	343512	19.045	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	195640	18.933	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	197362	18.674	ug/l	98
89) n-Butylbenzene	13.59	91	287810	20.261	ug/l	97
90) Hexachloroethane	13.85	117	63218	19.485	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	196845	19.139	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.24	75	31031	20.498	ug/l	88

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VN1016WBSD01

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QLast Update : Thu Oct 15 01:16:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	82368	18.453	ug/l	97
94) Hexachlorobutadiene	14.98	225	49683	20.278	ug/l	98
95) Naphthalene	15.10	128	246846	18.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	87929	19.297	ug/l	99

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

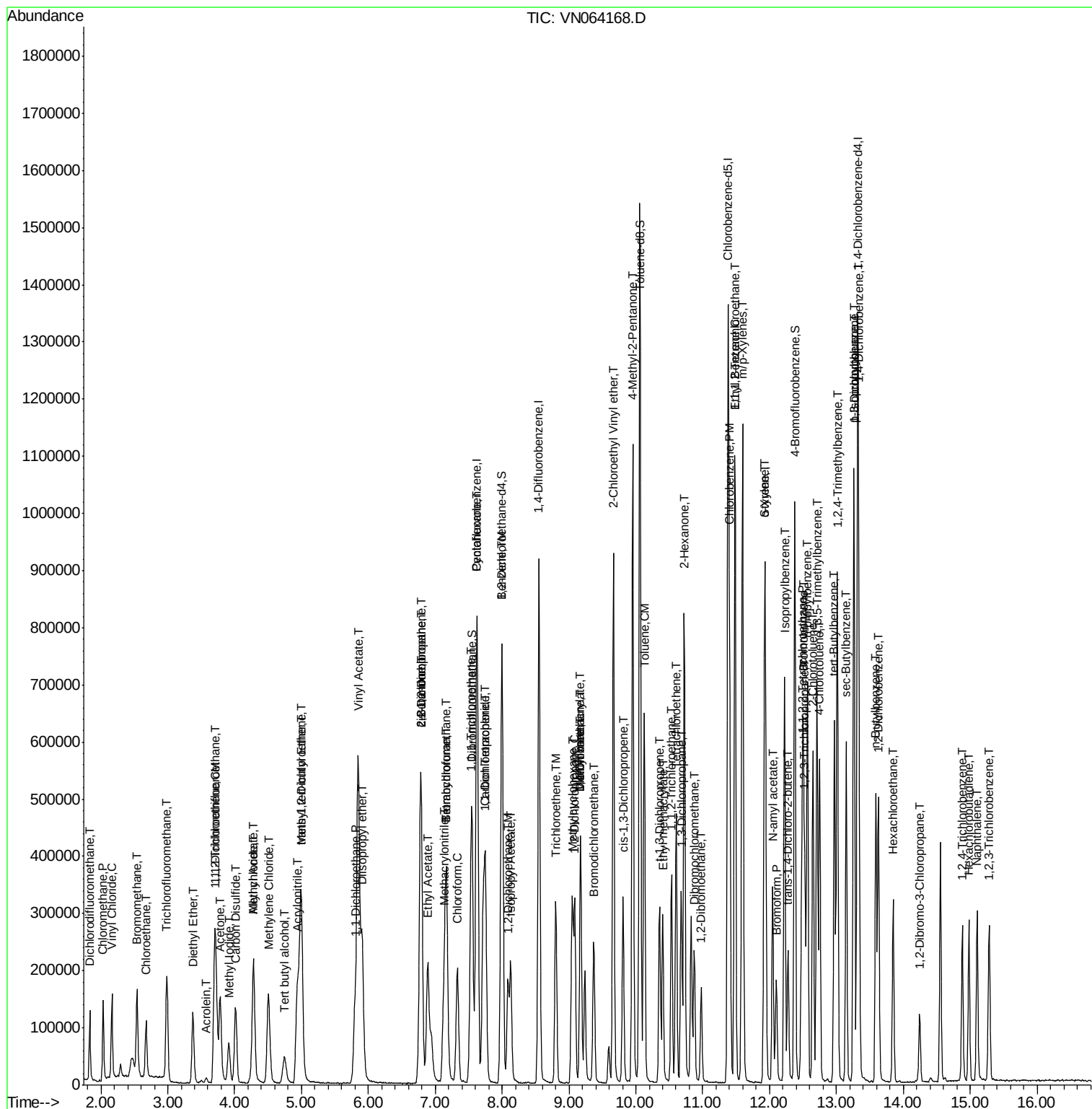
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 Data File : VN064168.D
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 Operator : JC/MD
 Sample : VN1016WBSD01
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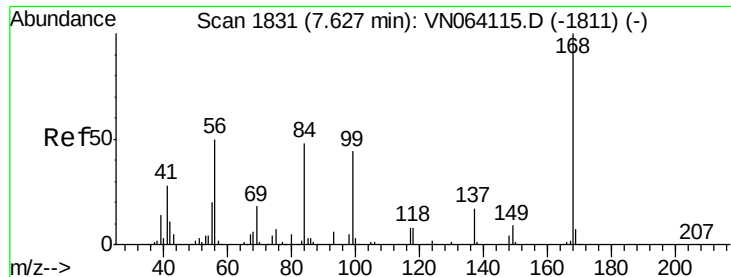
Instrument :
 MSVOA_N
 Client Sample Id :
 VN1016WBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion:168 Resp: 469560

Ion Ratio Lower Upper

168 100

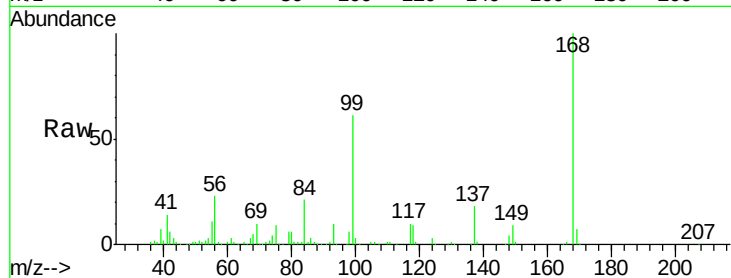
99 60.3 43.6 65.4

Manual Integrations

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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

200000

150000

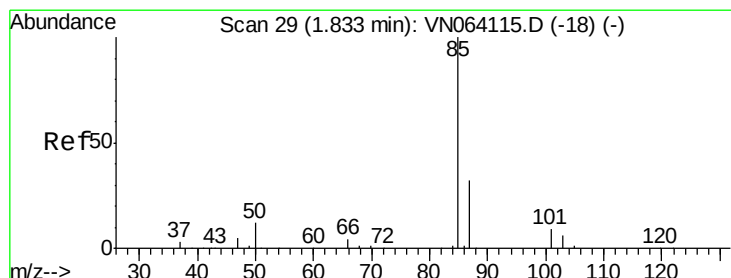
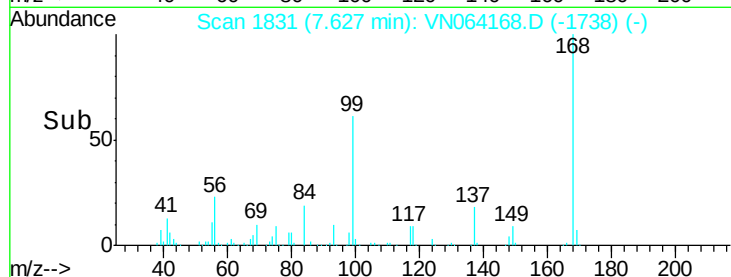
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.119 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064168.D

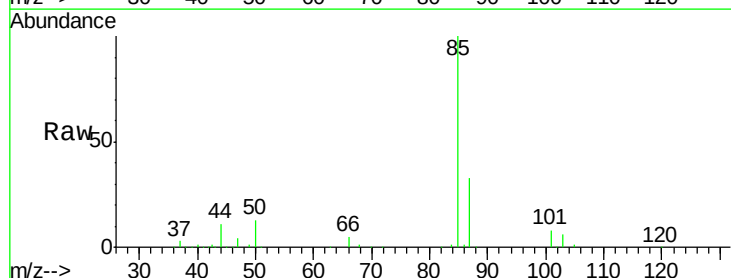
Acq: 16 Oct 2020 16:45

Tgt Ion: 85 Resp: 89006

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

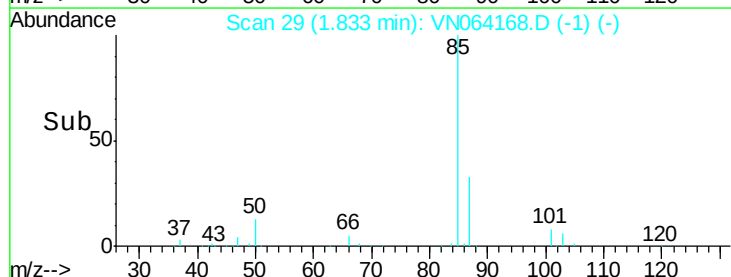
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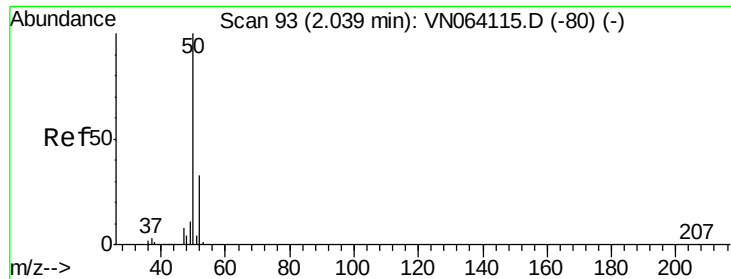
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 22.009 ug/l

RT: 2.03 min Scan# 91

Delta R.T. -0.01 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 50 Resp: 121278

Ion Ratio Lower Upper

50 100

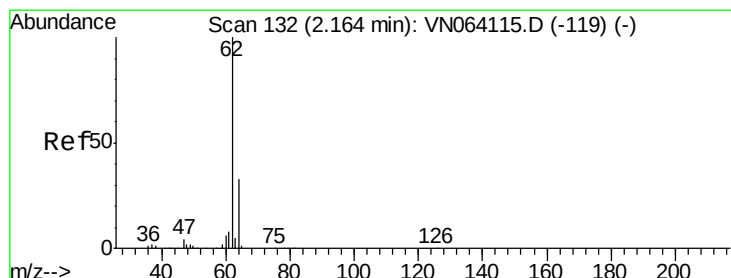
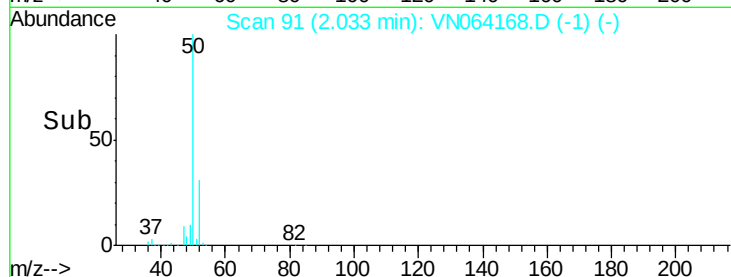
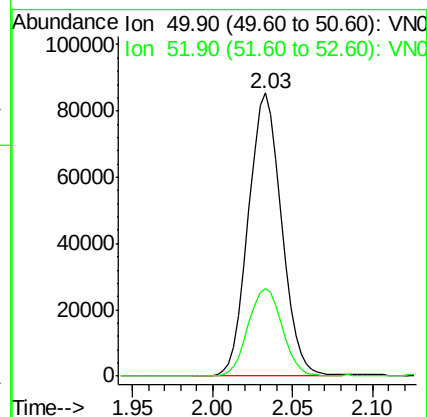
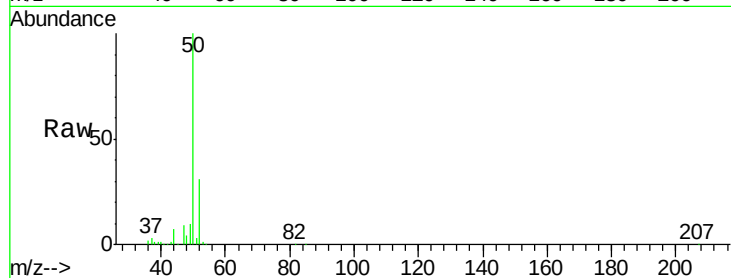
52 31.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.603 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064168.D

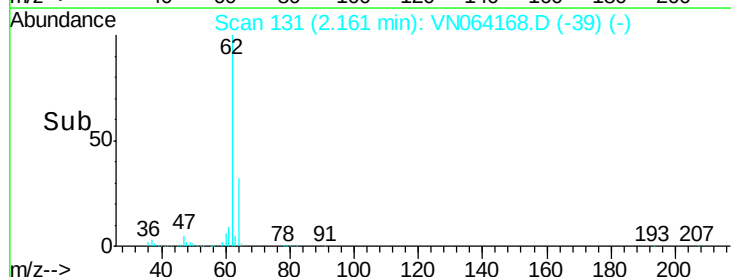
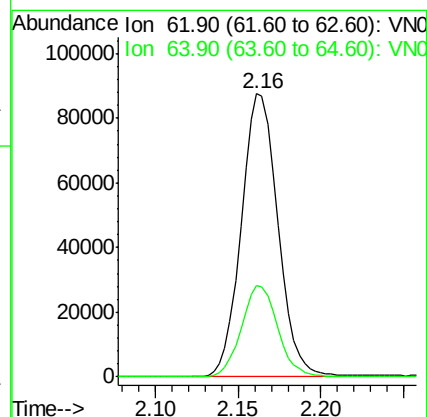
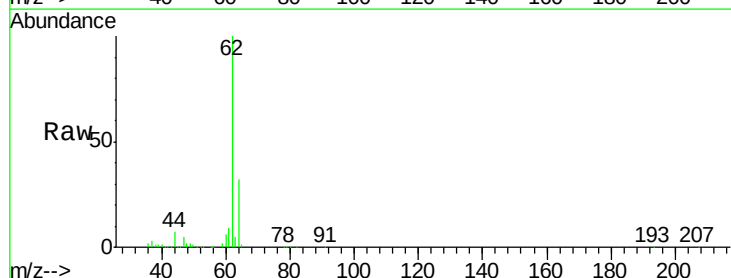
Acq: 16 Oct 2020 16:45

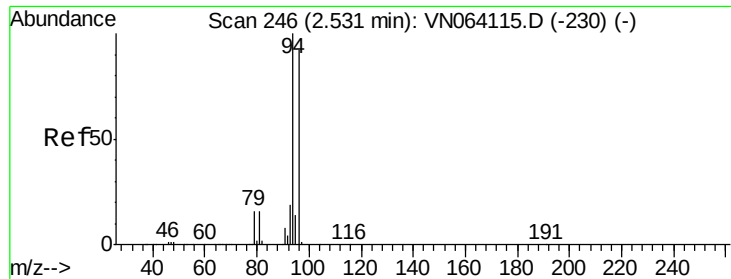
Tgt Ion: 62 Resp: 134454

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 18.725 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

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VN1016WBSD01

Tot Ion: 94 Resp: 96383

Ion Ratio Lower Upper

94 100

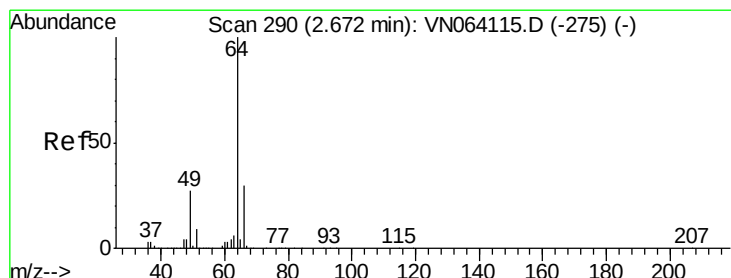
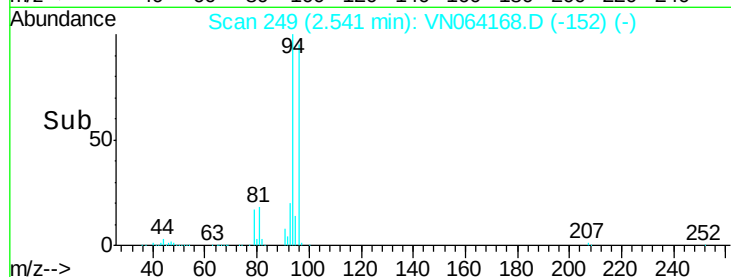
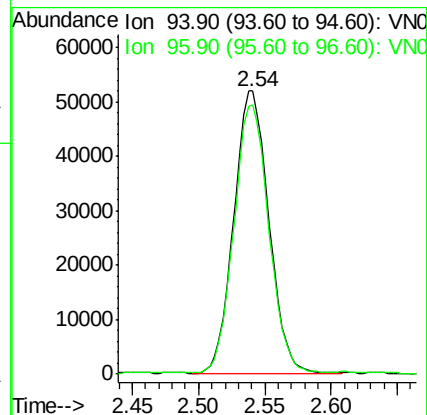
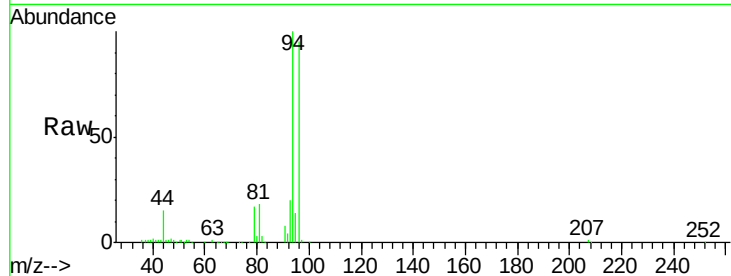
96 94.4 73.5 110.3

Manual Integrations

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#6

Chloroethane

Concen: 16.531 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064168.D

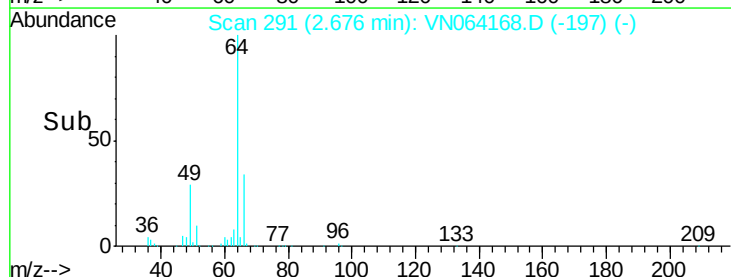
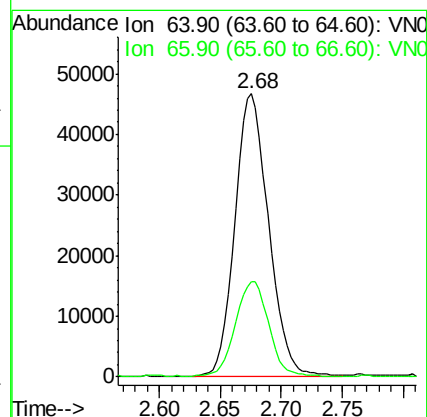
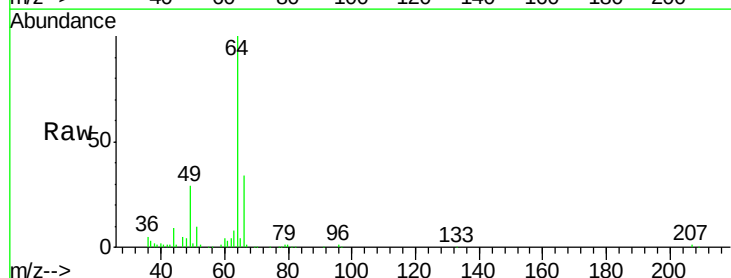
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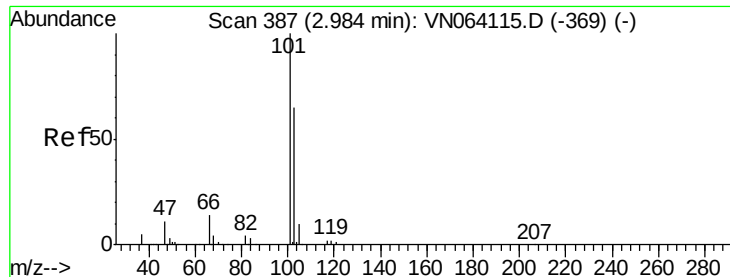
Tgt Ion: 64 Resp: 90143

Ion Ratio Lower Upper

64 100

66 33.8 24.2 36.2





#7

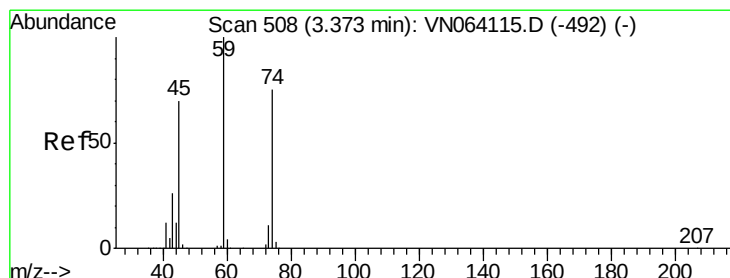
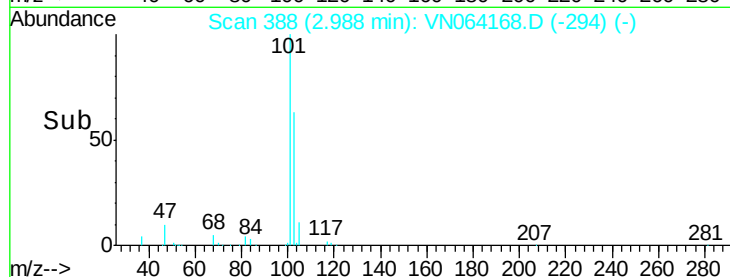
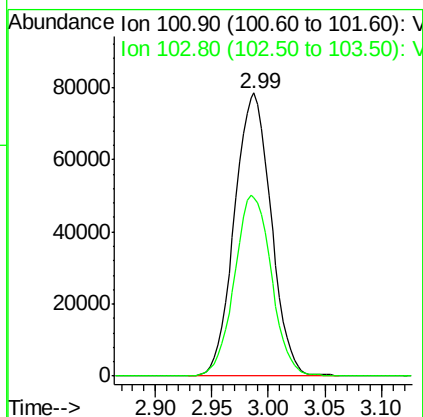
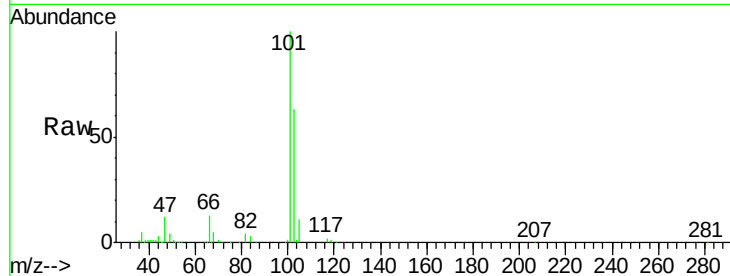
Trichlorofluoromethane
 Concen: 18.781 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
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 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.6

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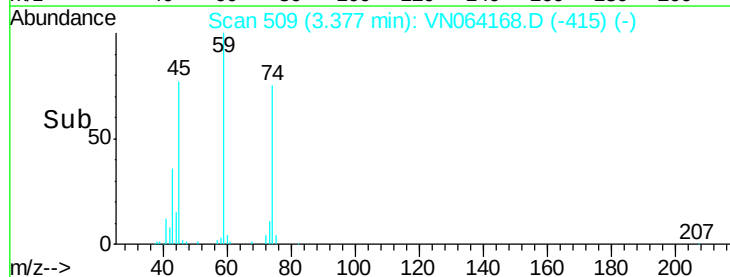
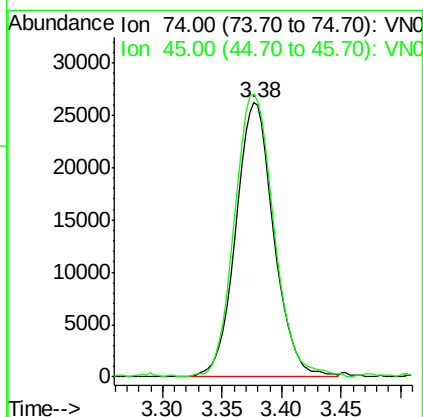
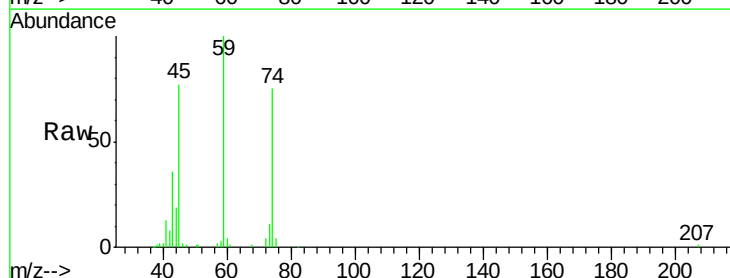
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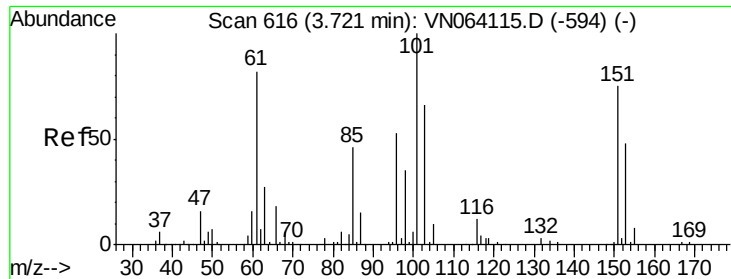


#8

Diethyl Ether
 Concen: 19.644 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN064168.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	47.0	141.0





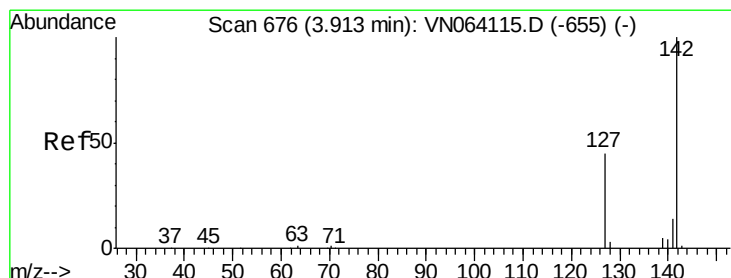
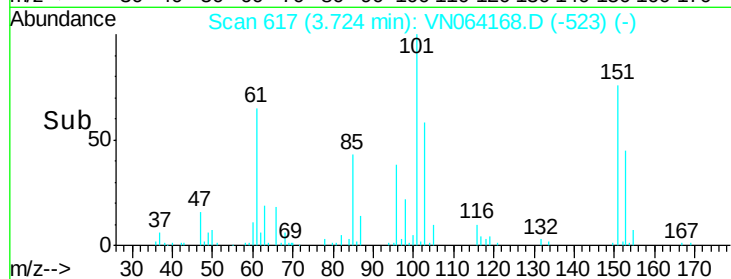
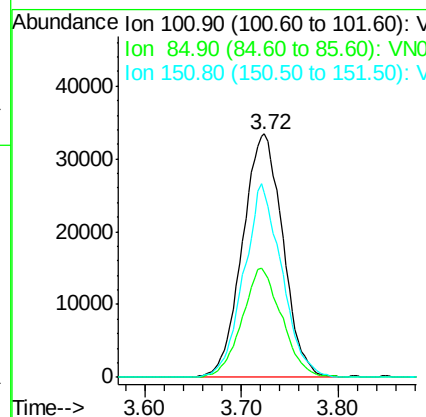
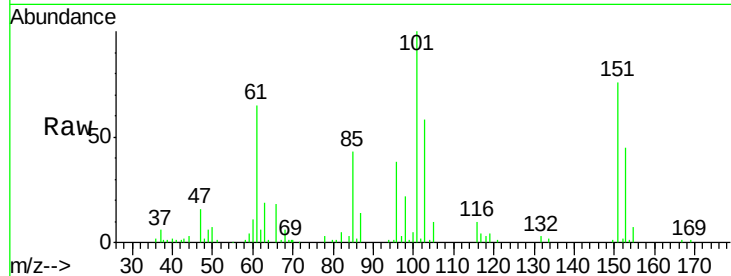
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.925 ug/l
 RT: 3.72 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	44.0	36.9	55.3
151	74.7	60.7	91.1

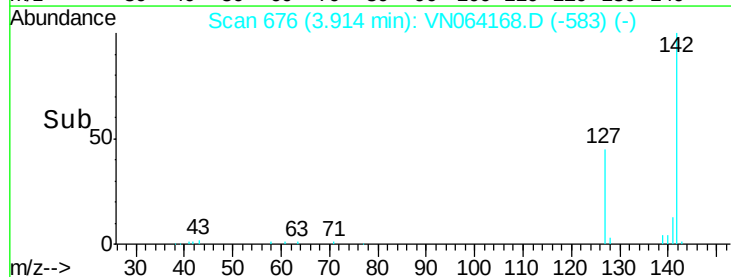
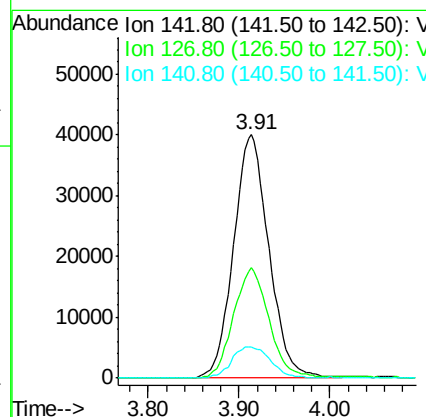
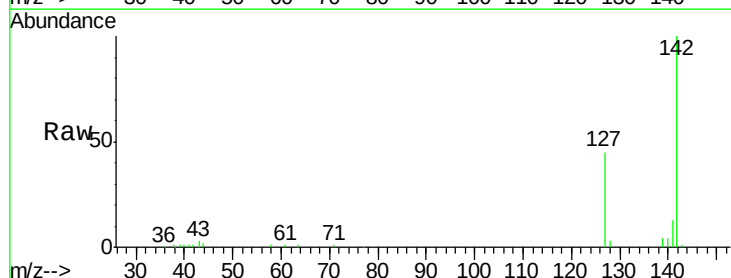
Manual Integrations
 APPROVED

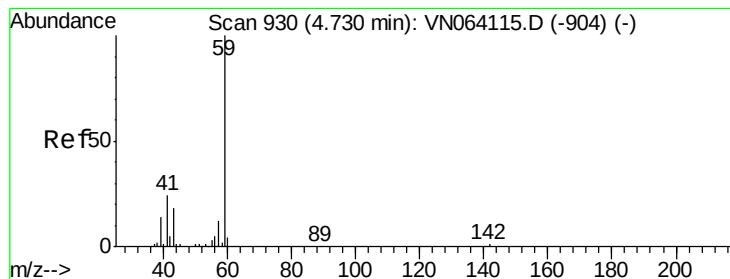
MMDadoda
 10/19/2020 4:22:25 PM



#10
 Methyl Iodide
 Concen: 16.546 ug/l
 RT: 3.91 min Scan# 676
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.6	36.3	54.5
141	14.0	11.6	17.4





#11

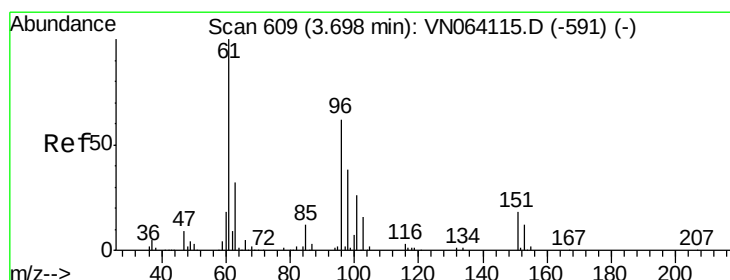
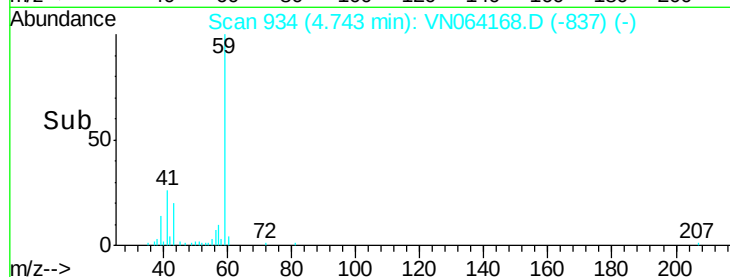
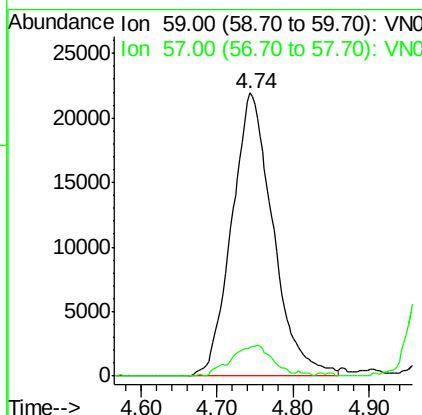
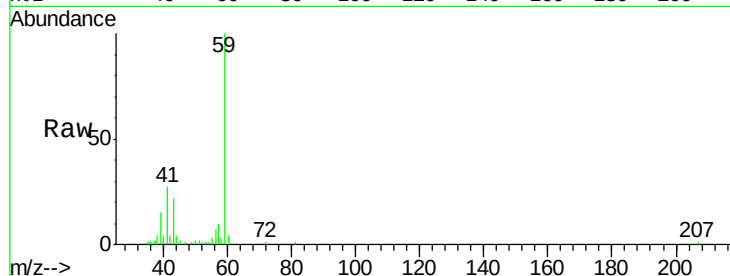
Tert butyl alcohol
Concen: 111.449 ug/l
RT: 4.74 min Scan# 934
Delta R.T. 0.01 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	59	Resp	82524
Ion Ratio	100	Lower	Upper
57	10.9	8.9	13.3

Manual Integrations
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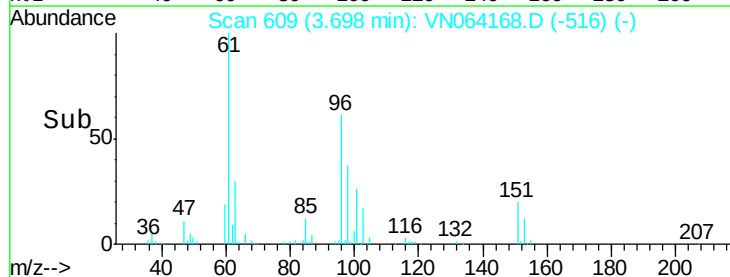
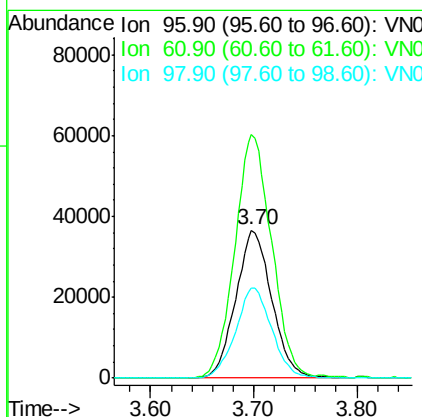
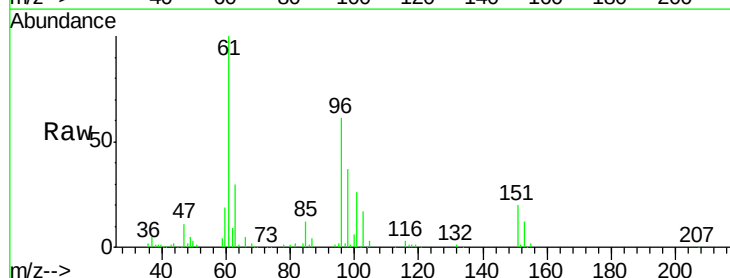
MMDadoda
10/19/2020 4:22:25 PM

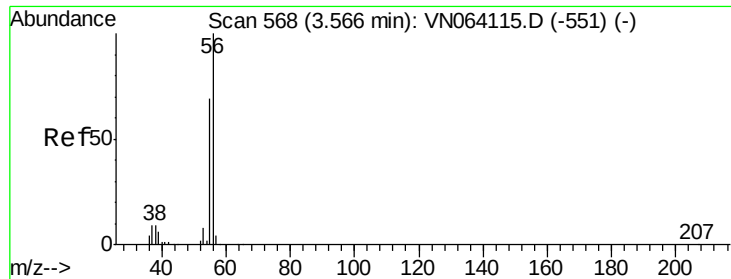


#12

1,1-Dichloroethene
Concen: 19.002 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	96	Resp	88868
Ion Ratio	100	Lower	Upper
61	165.0	129.9	194.9
98	61.1	48.9	73.3





#13

Acrolein

Concen: 17.335 ug/l

RT: 3.57 min Scan# 570

Delta R.T. 0.01 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 56 Resp: 10543

Ion Ratio Lower Upper

56 100

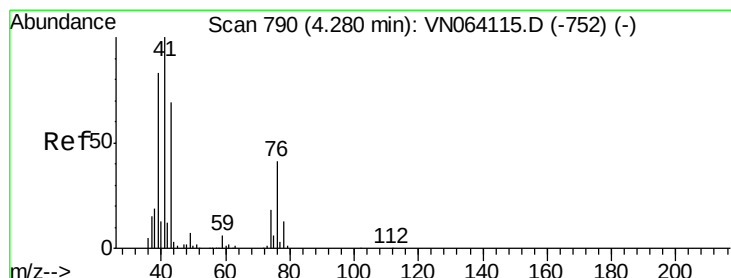
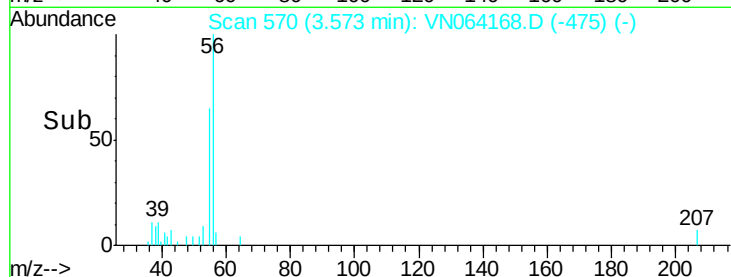
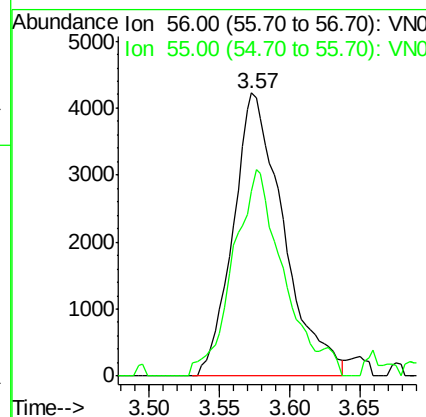
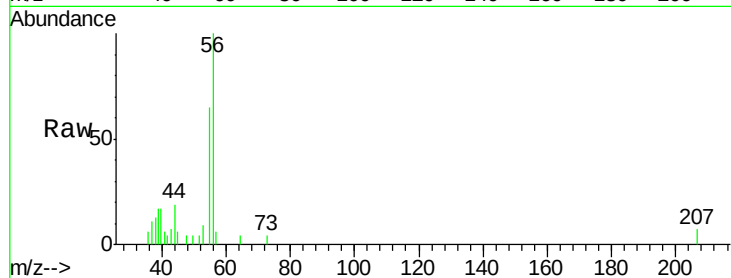
55 71.0 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.913 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

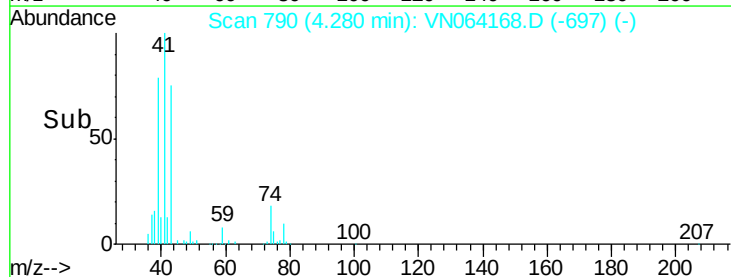
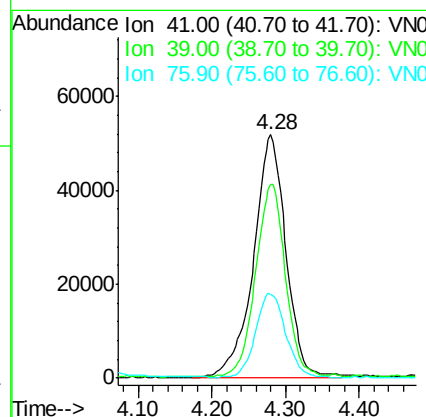
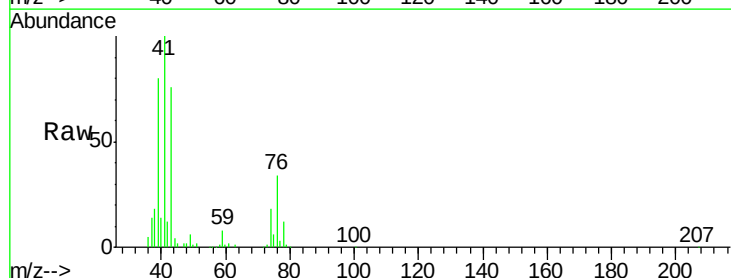
Tgt Ion: 41 Resp: 159904

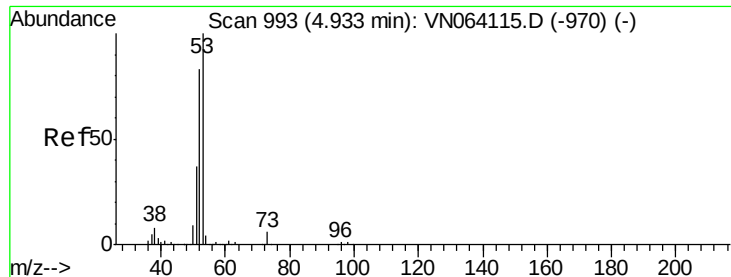
Ion Ratio Lower Upper

41 100

39 71.7 60.5 90.7

76 31.7 29.5 44.3





#15

Acrylonitrile

Concen: 108.657 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

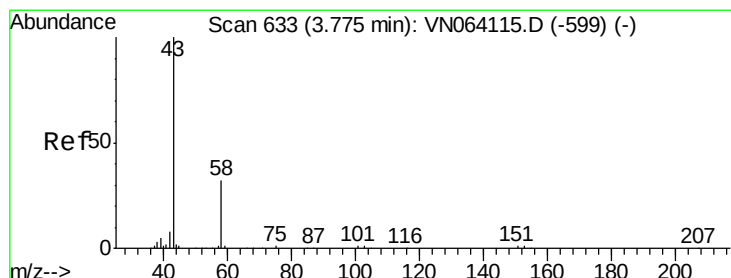
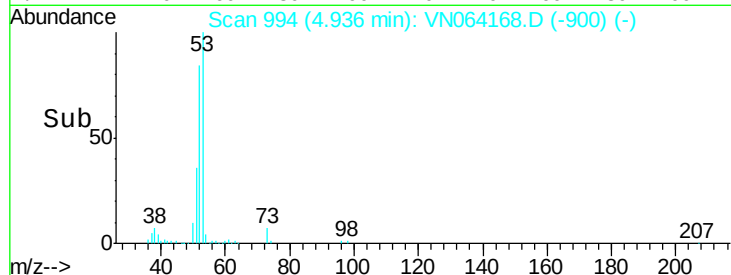
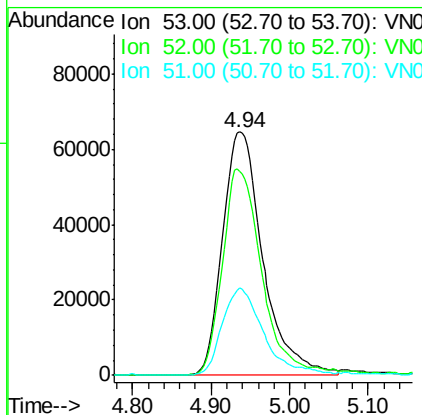
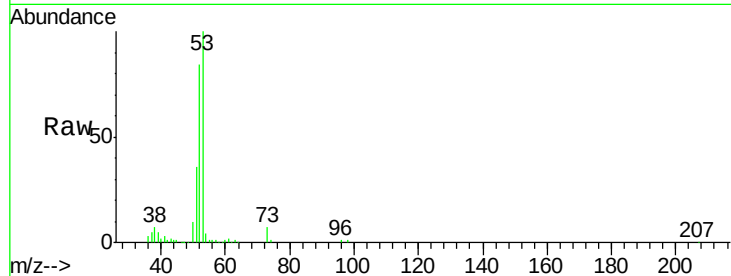
ClientSampleId :

VN1016WBSD01

Tot Ion:	53	Resp:	231011
Ion Ratio		Lower	Upper
53	100		
52	82.0	65.8	98.6
51	36.9	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 132.704 ug/l

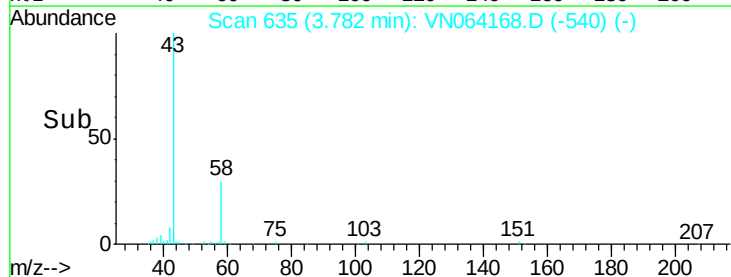
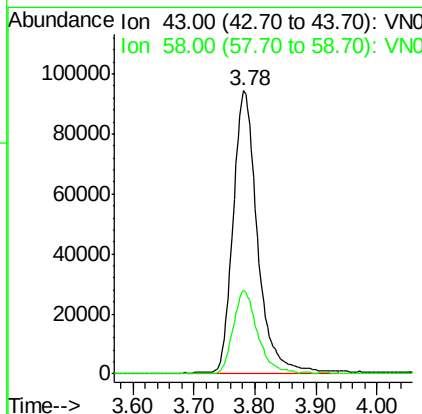
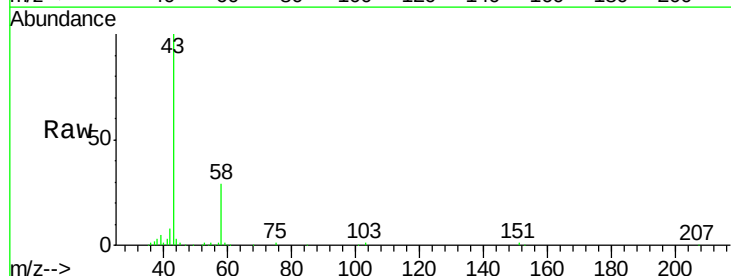
RT: 3.78 min Scan# 635

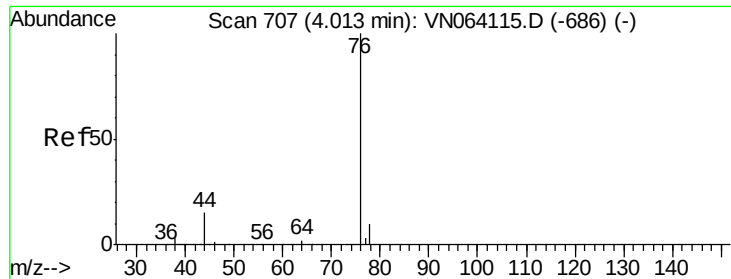
Delta R.T. 0.01 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Tgt Ion:	43	Resp:	263235
Ion Ratio		Lower	Upper
43	100		
58	29.3	25.2	37.8





#17

Carbon Disulfide

Concen: 19.445 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 76 Resp: 259919

Ion Ratio Lower Upper

76 100

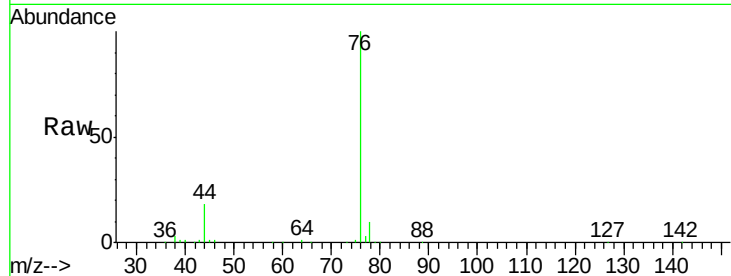
78 9.6 7.6 11.4

Manual Integrations

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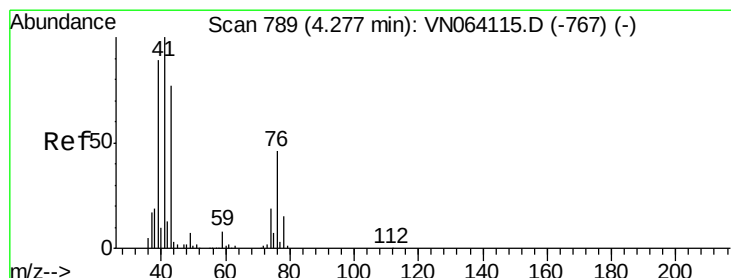
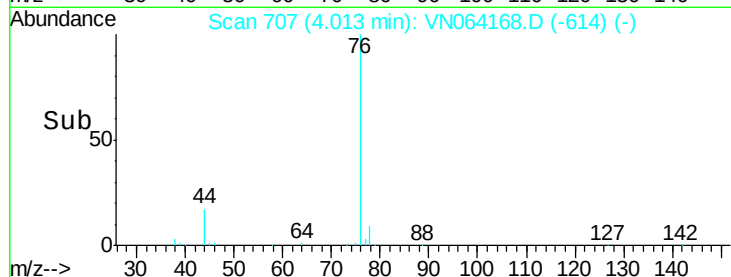
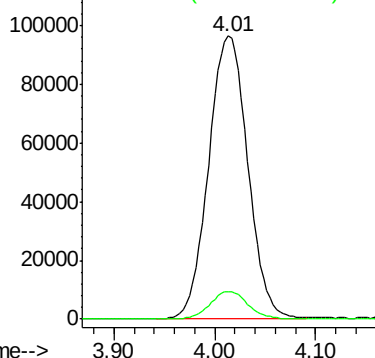
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.034 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN064168.D

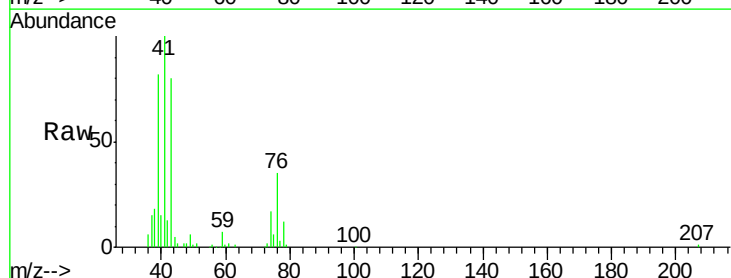
Acq: 16 Oct 2020 16:45

Tgt Ion: 43 Resp: 114614

Ion Ratio Lower Upper

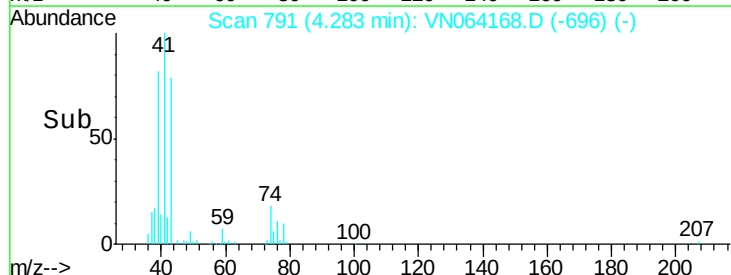
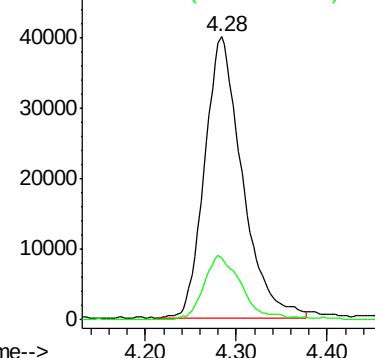
43 100

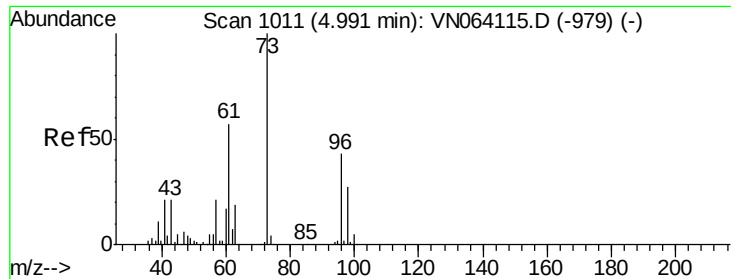
74 22.6 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





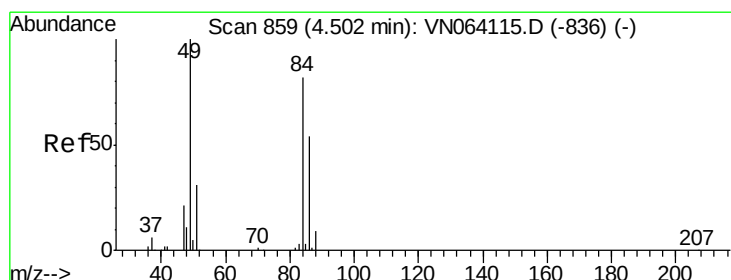
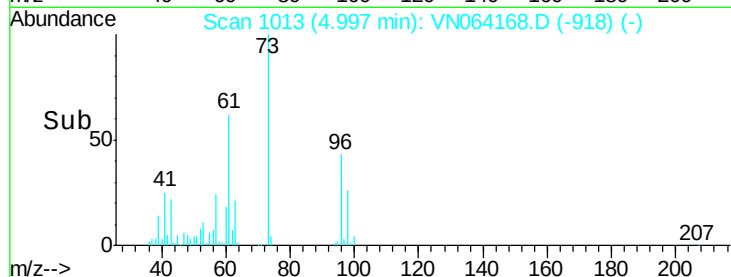
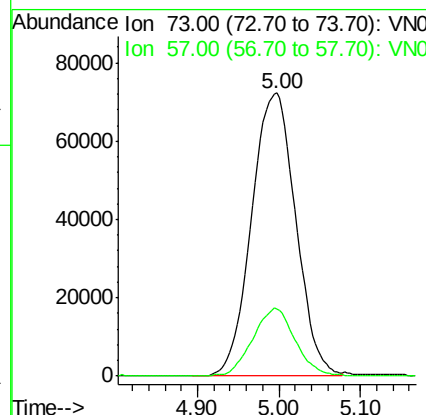
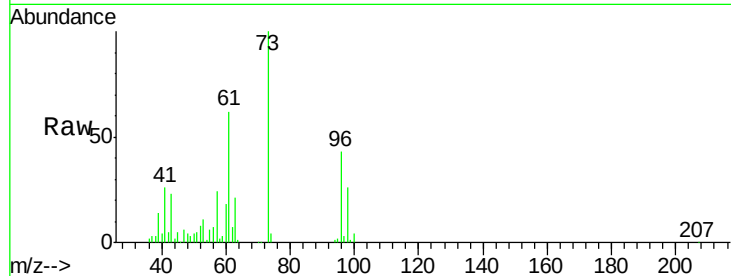
#19
Methyl tert-butyl Ether
Concen: 19.740 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 73 Resp: 272308
Ion Ratio Lower Upper
73 100
57 23.9 17.0 25.4

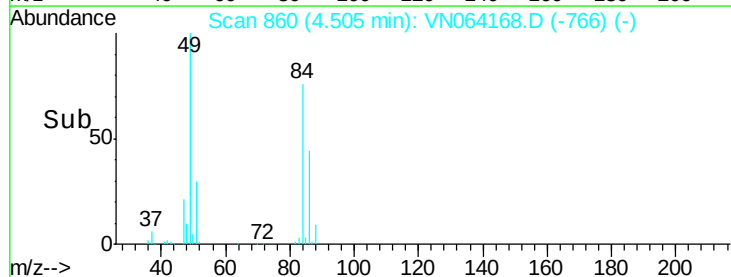
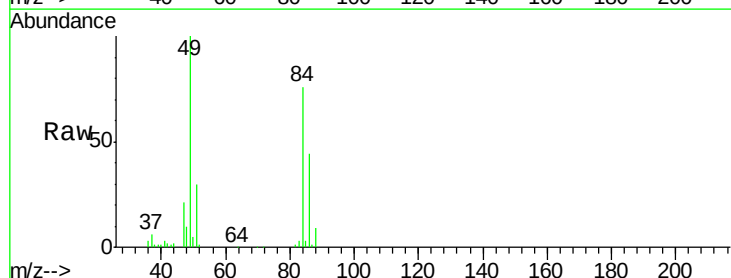
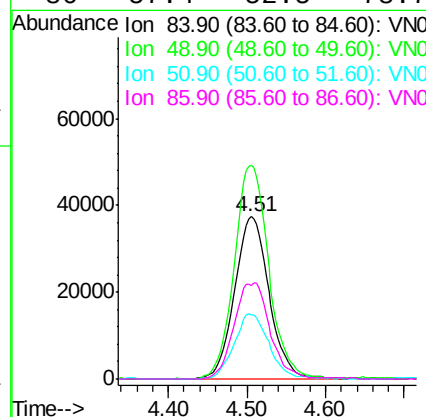
Manual Integrations
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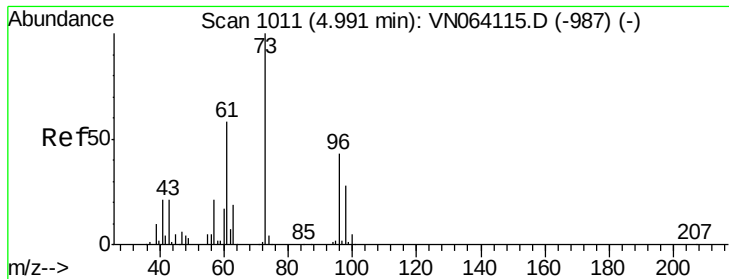
MMDadoda
10/19/2020 4:22:25 PM



#20
Methylene Chloride
Concen: 18.643 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion: 84 Resp: 114426
Ion Ratio Lower Upper
84 100
49 131.4 97.4 146.0
51 39.7 29.7 44.5
86 57.4 52.5 78.7





#21

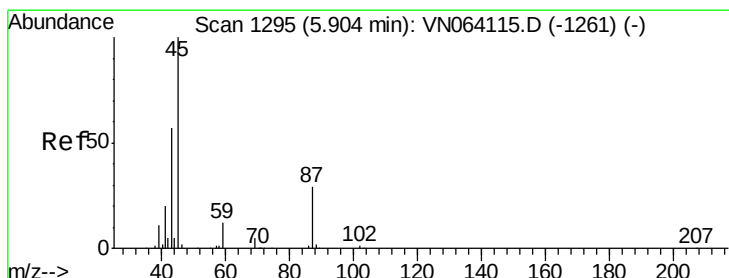
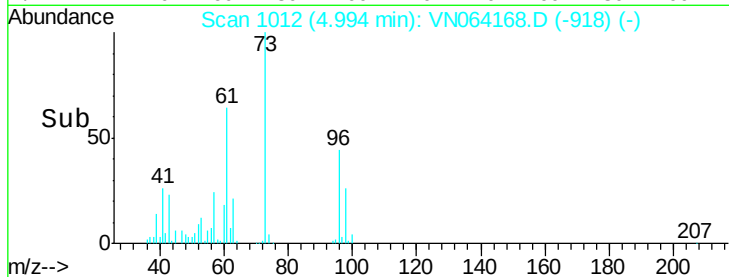
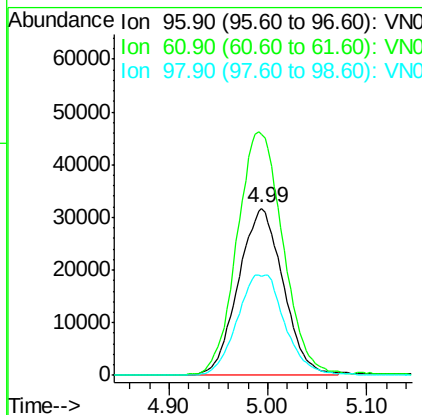
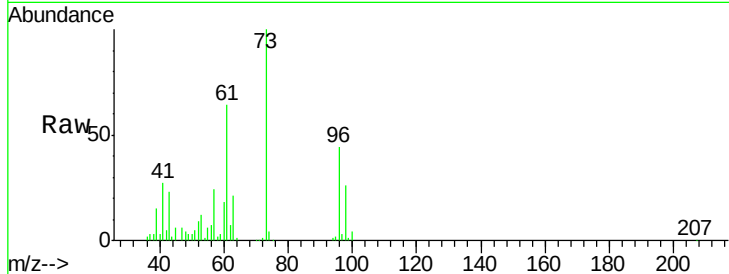
trans-1,2-Dichloroethene
Concen: 18.831 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	143.7	107.0	160.4	
98	59.0	51.0	76.6	

Manual Integrations
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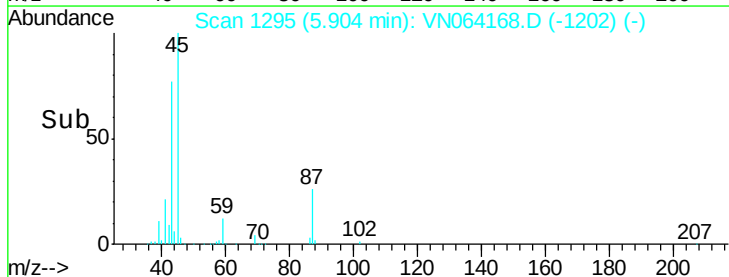
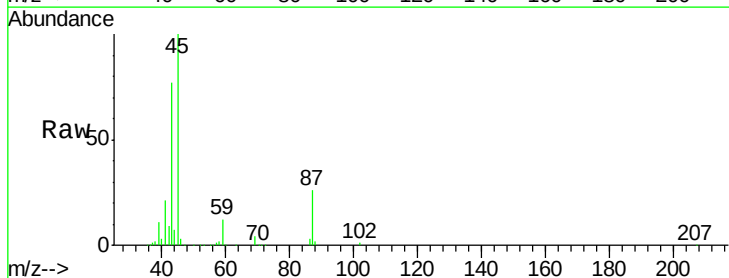
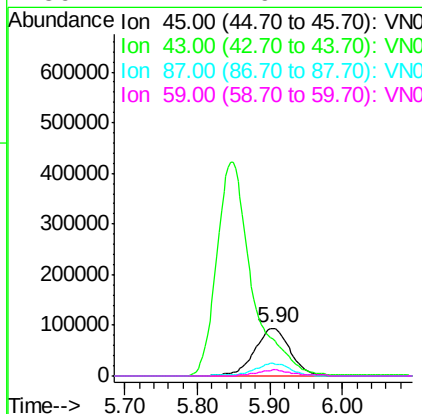
MMDadoda
10/19/2020 4:22:25 PM

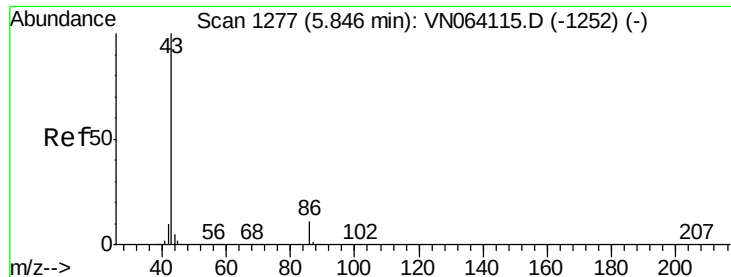


#22

Diisopropyl ether
Concen: 22.732 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	75.2	50.9	76.3	
87	25.5	23.5	35.3	
59	12.1	9.4	14.2	





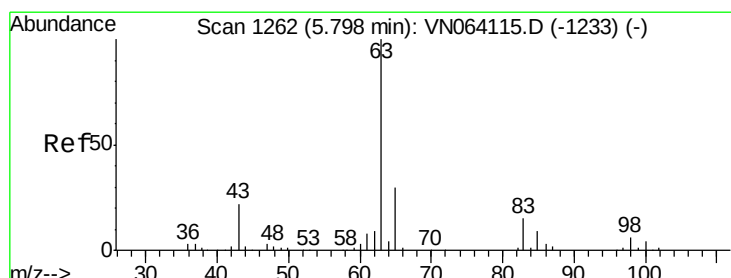
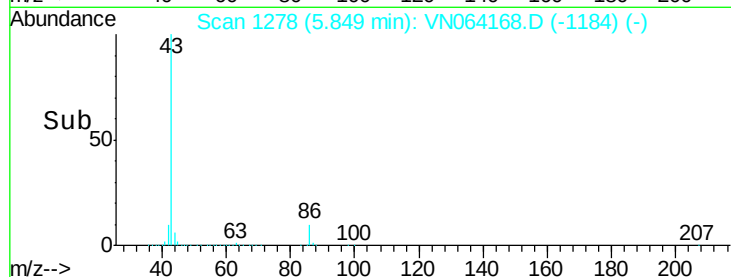
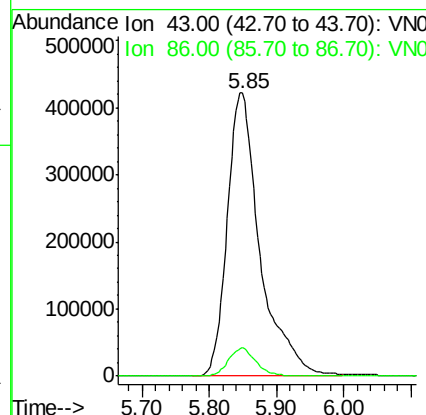
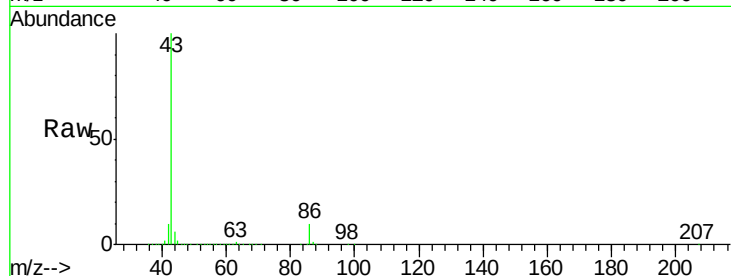
#23
 Vinyl Acetate
 Concen: 112.775 ug/l
 RT: 5.85 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion: 43 Resp: 1427995
 Ion Ratio Lower Upper
 43 100
 86 10.1 8.8 13.2

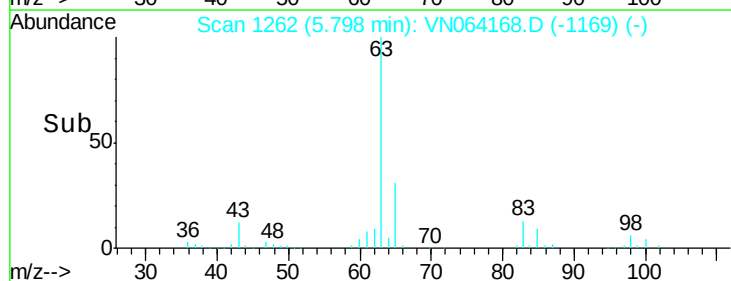
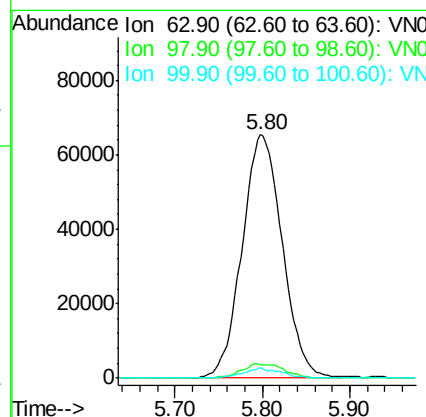
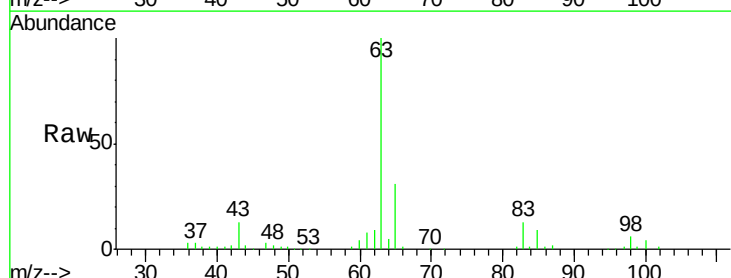
Manual Integrations
 APPROVED

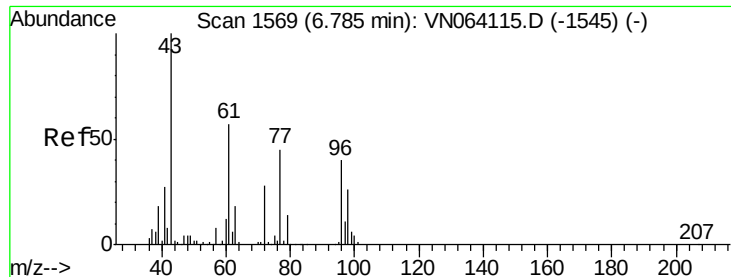
MMDadoda
 10/19/2020 4:22:25 PM



#24
 1,1-Dichloroethane
 Concen: 21.042 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion: 63 Resp: 208297
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.1 9.3
 100 4.3 2.1 6.2





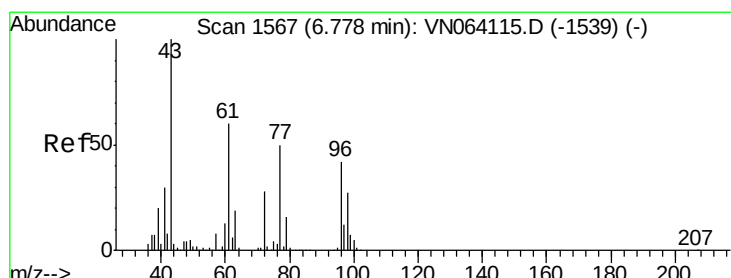
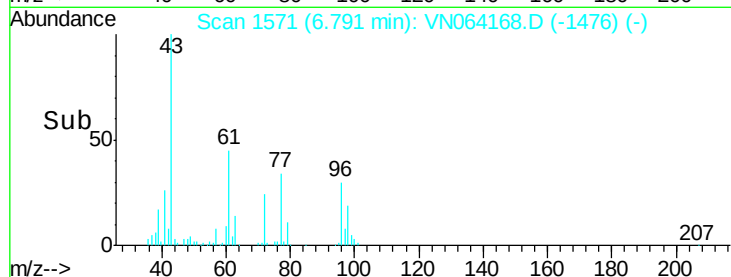
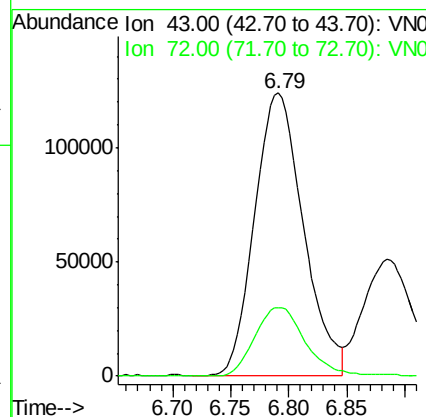
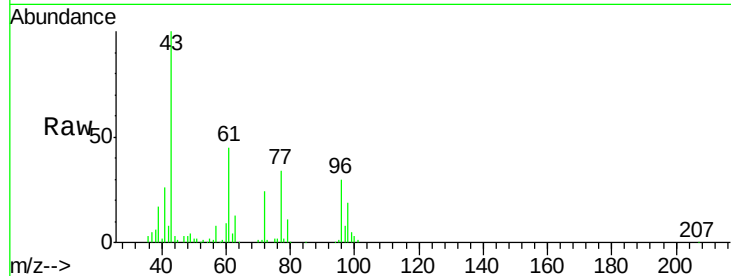
#25
2-Butanone
Concen: 118.594 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 43 Resp: 361835
Ion Ratio Lower Upper
43 100
72 24.4 22.2 33.2

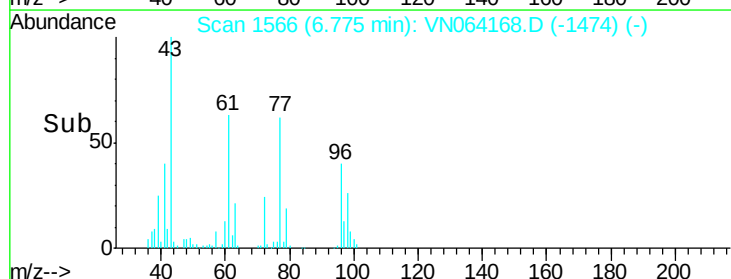
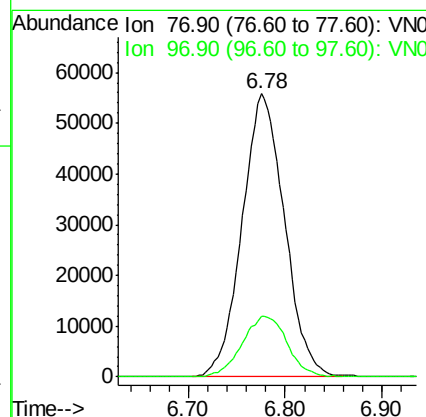
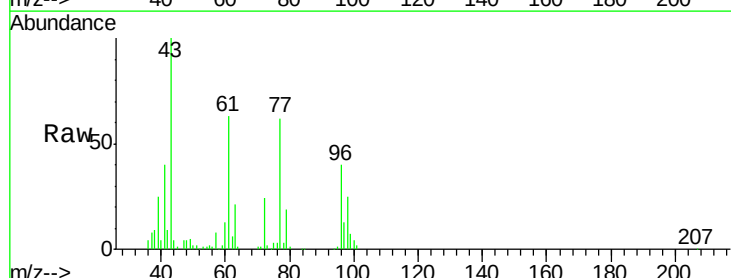
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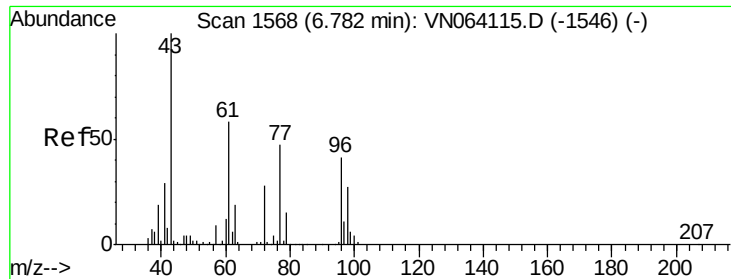
MMDadoda
10/19/2020 4:22:25 PM



#26
2,2-Dichloropropane
Concen: 20.594 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion: 77 Resp: 169613
Ion Ratio Lower Upper
77 100
97 22.8 11.7 35.0





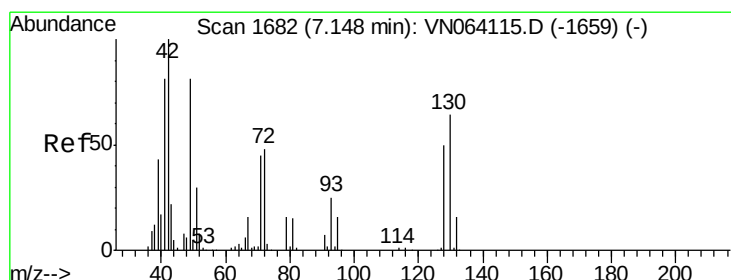
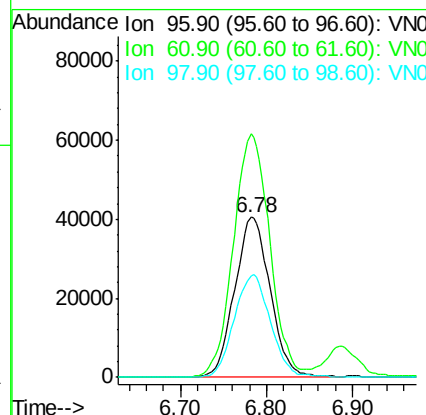
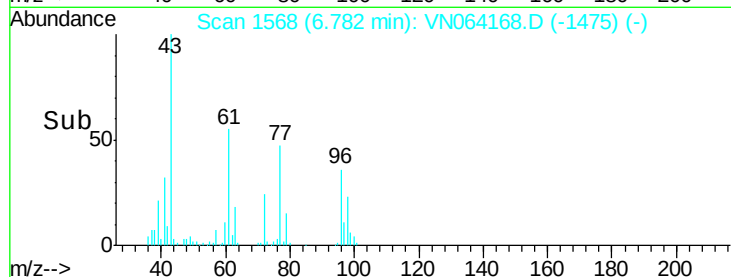
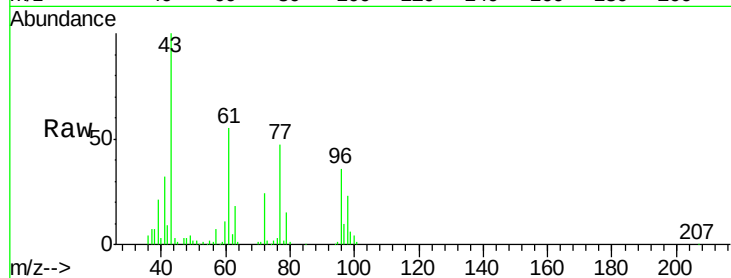
#27
 cis-1,2-Dichloroethene
 Concen: 18.672 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.4	0.0	285.6	
98	65.3	0.0	131.0	

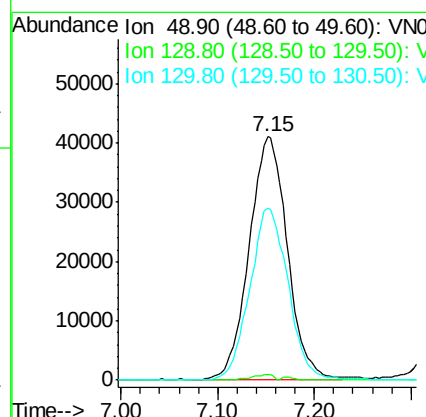
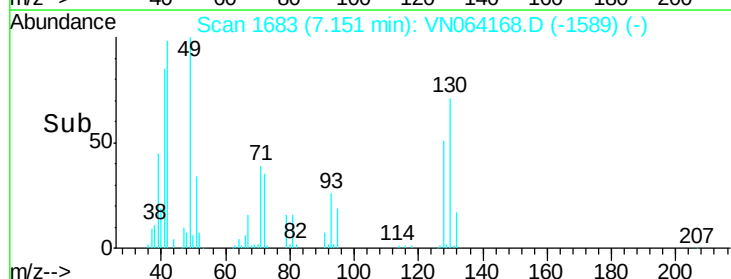
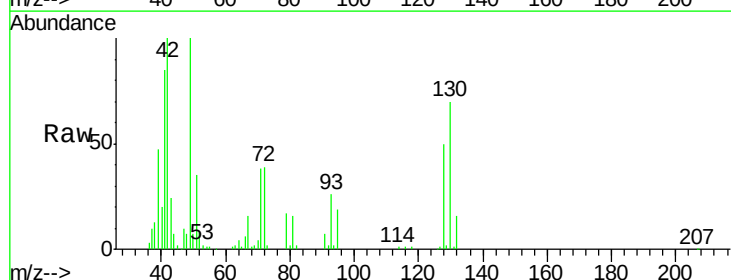
Manual Integrations
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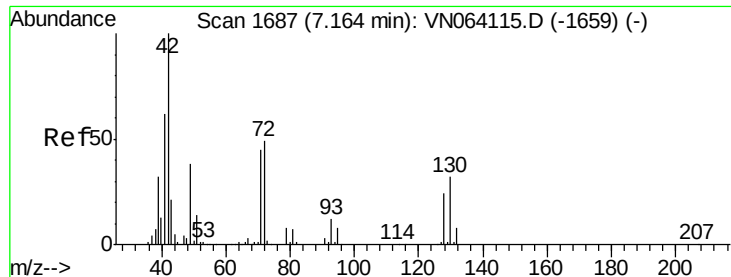
MMDadoda
 10/19/2020 4:22:25 PM



#28
 Bromochloromethane
 Concen: 23.916 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	2.0	
130	70.6	0.0	0.0#	





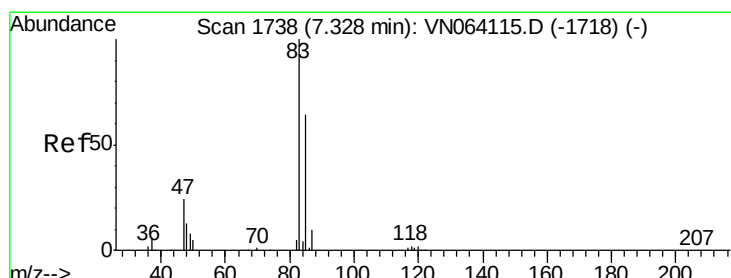
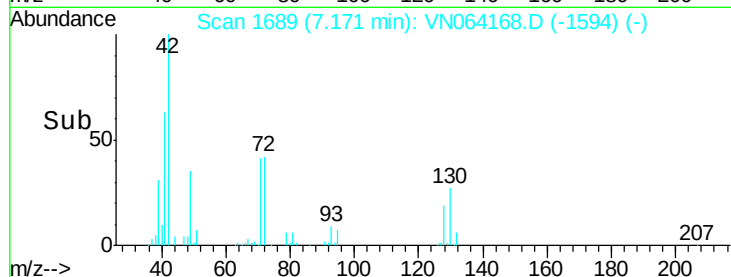
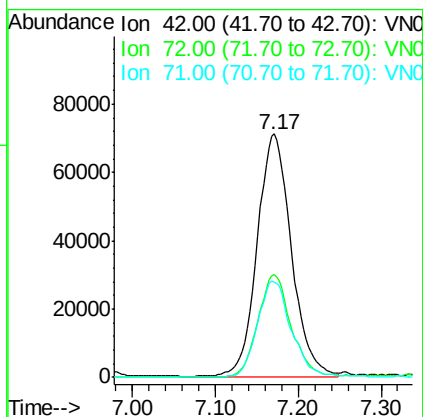
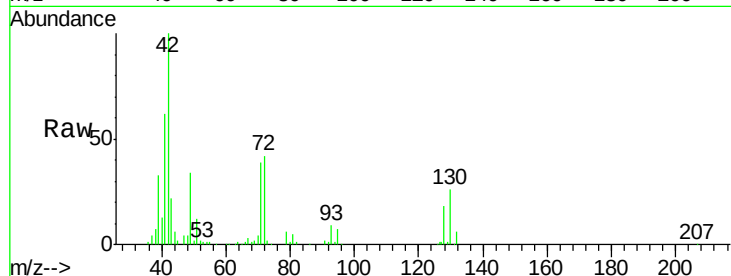
#29
Tetrahydrofuran
Concen: 114.516 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.8	56.6
71	39.4	35.3	52.9

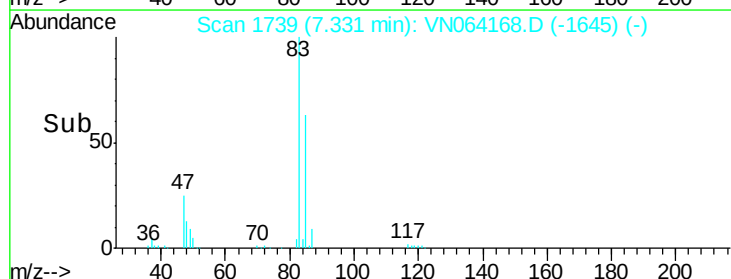
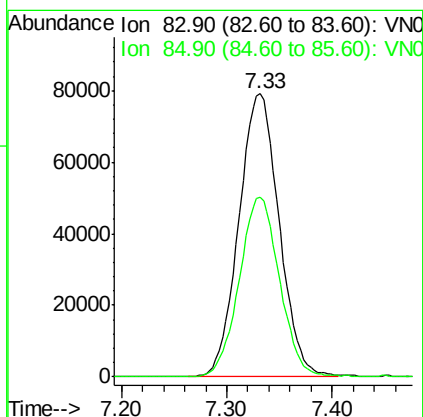
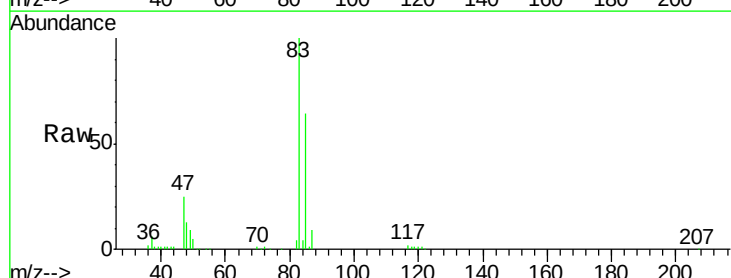
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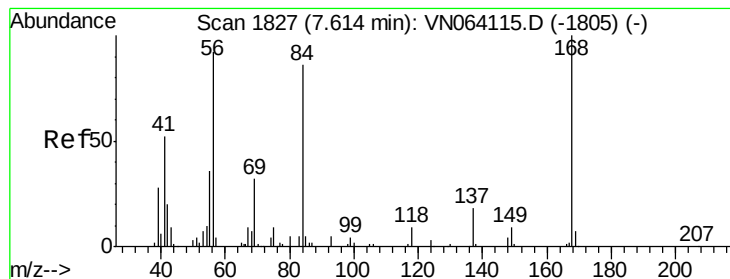
MMDadoda
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#30
Chloroform
Concen: 19.970 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





#31

Cyclohexane

Concen: 20.078 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

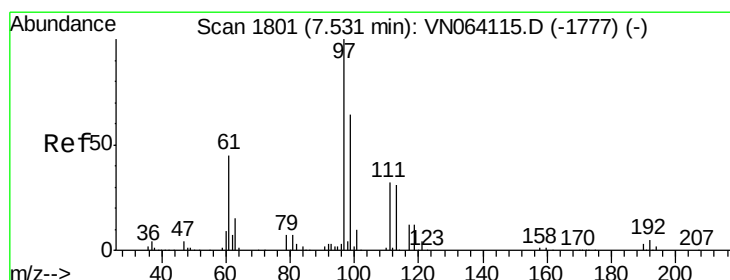
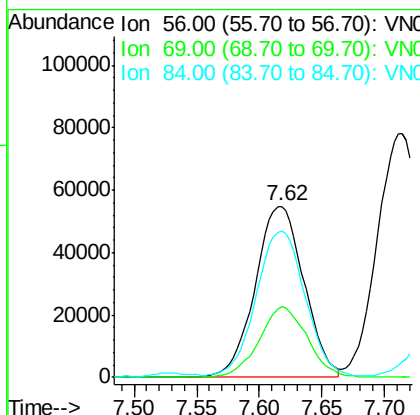
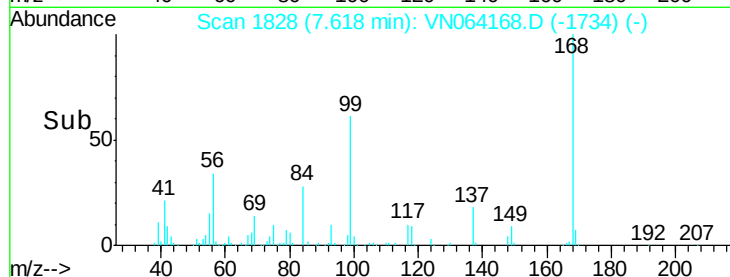
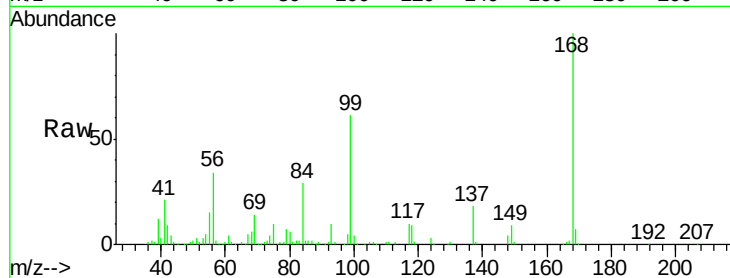
ClientSampleId :

VN1016WBSD01

Tot Ion	56	Resp	148433
Ion Ratio	Lower	Upper	
56	100		
69	41.1	27.8	41.6
84	83.6	73.2	109.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.613 ug/l

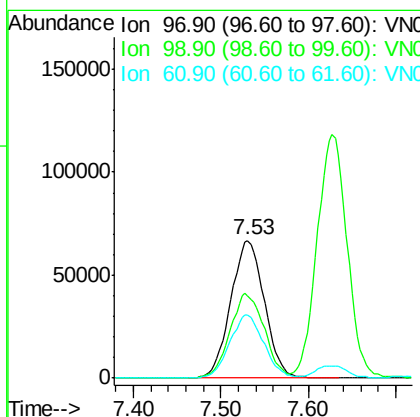
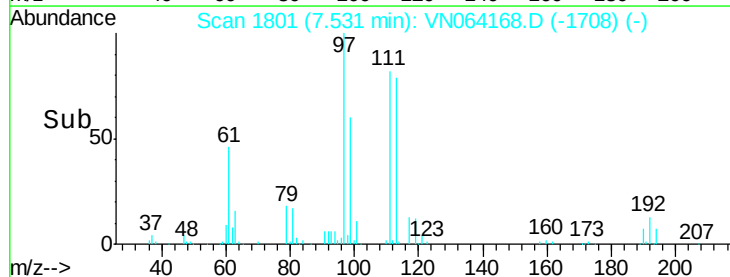
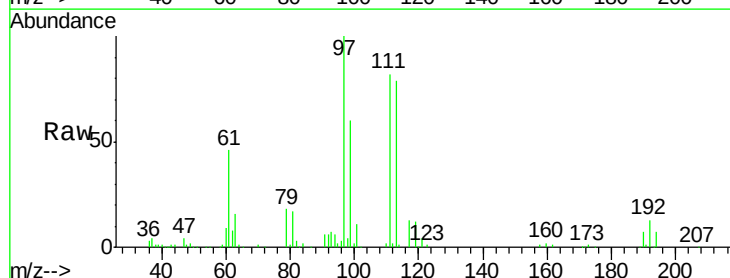
RT: 7.53 min Scan# 1801

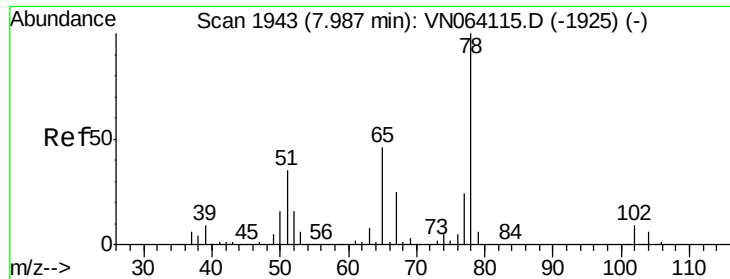
Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Tgt Ion	97	Resp	178730
Ion Ratio	Lower	Upper	
97	100		
99	62.5	50.2	75.2
61	46.5	35.6	53.4





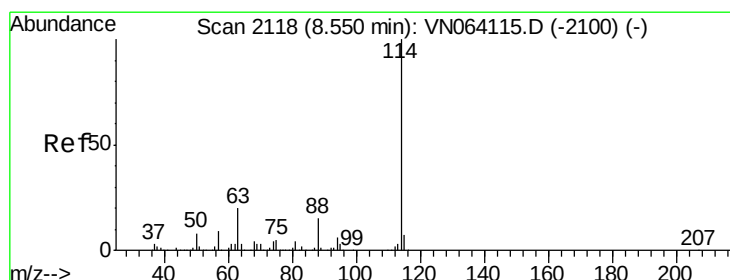
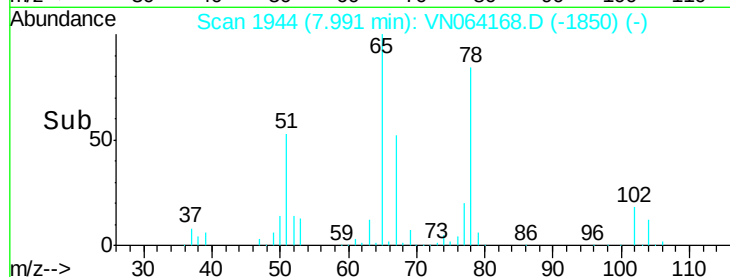
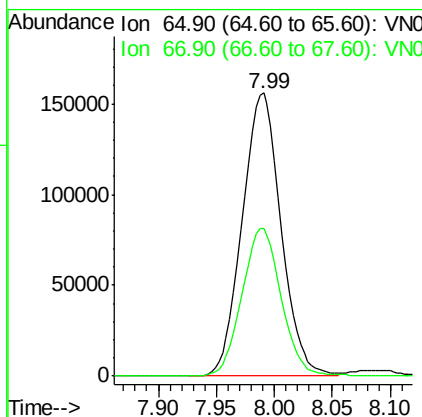
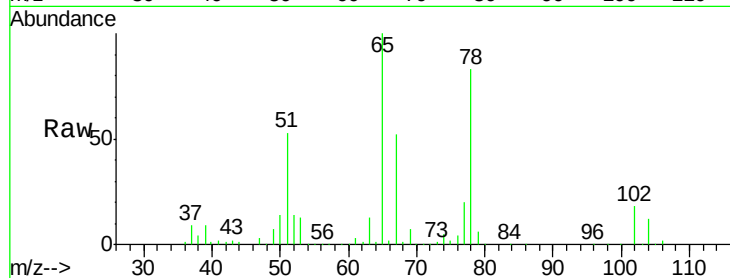
#33
 1,2-Dichloroethane-d4
 Concen: 54.475 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0		105.6

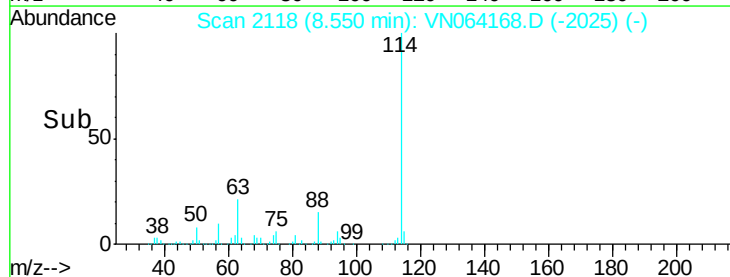
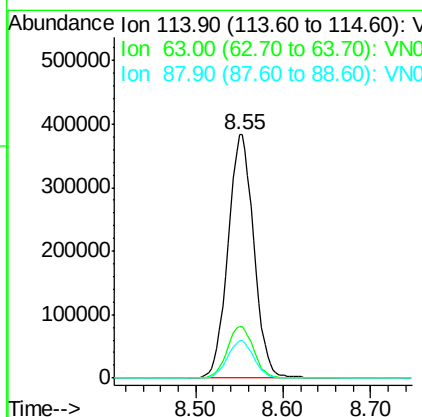
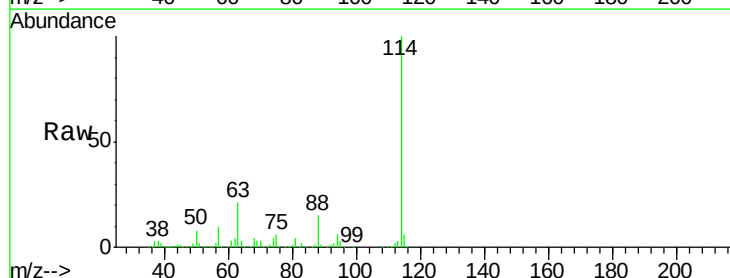
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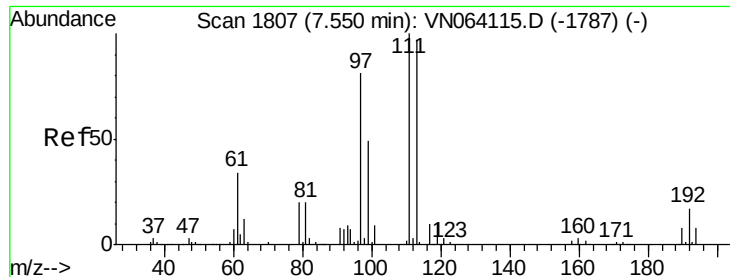
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.4	0.0		41.0
88	15.3	0.0		29.2





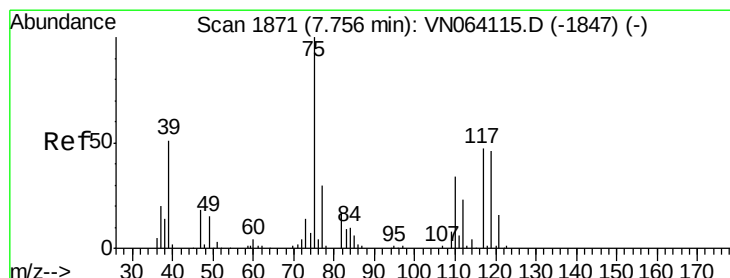
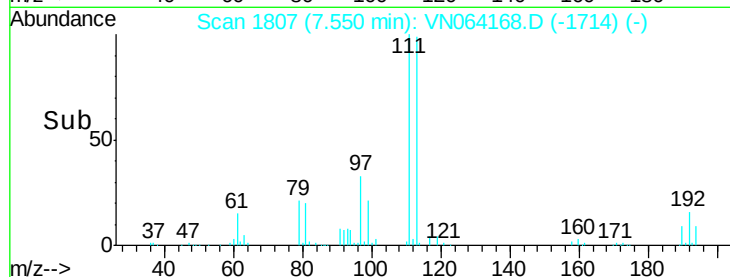
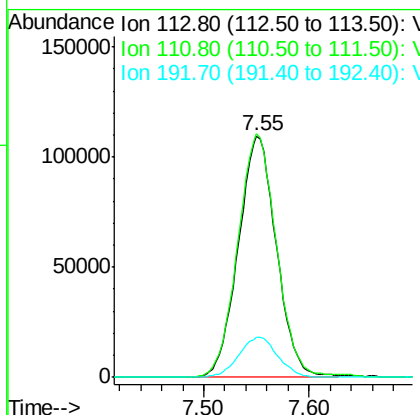
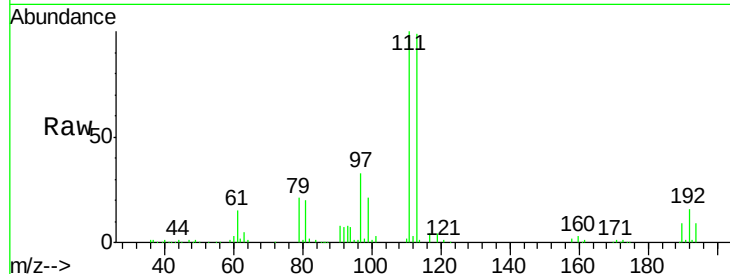
#35
 Dibromofluoromethane
 Concen: 50.492 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	274467		
111	103.0	81.9	122.9	
192	17.1	14.3	21.5	

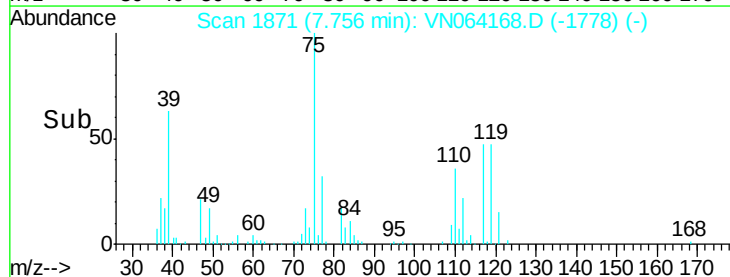
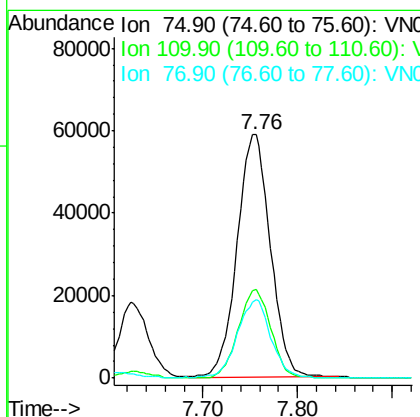
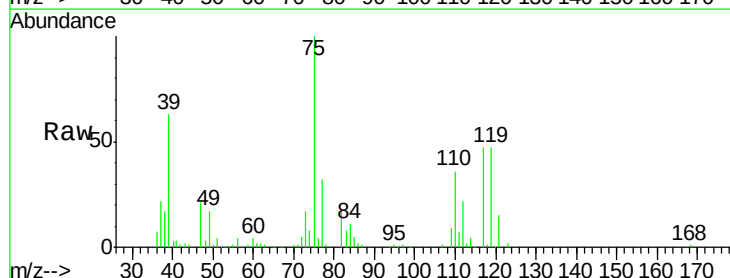
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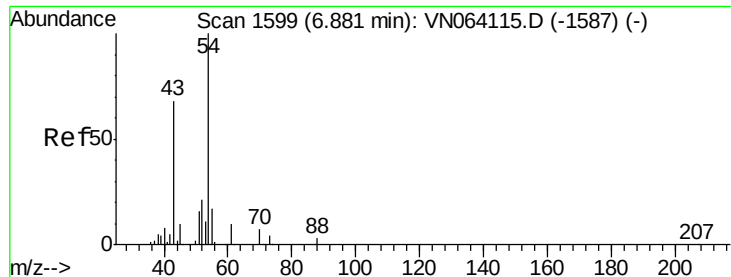
MMDadoda
 10/19/2020 4:22:25 PM



#36
 1,1-Dichloropropene
 Concen: 19.045 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144168		
110	35.6	17.8	53.3	
77	32.8	24.9	37.3	





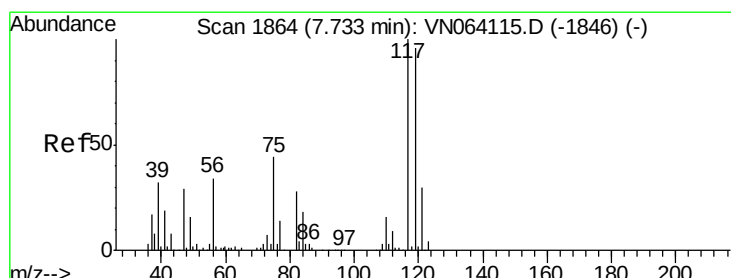
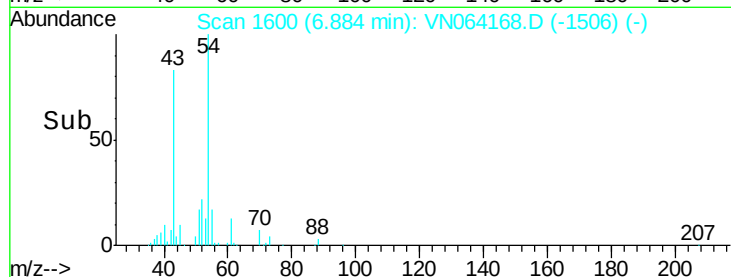
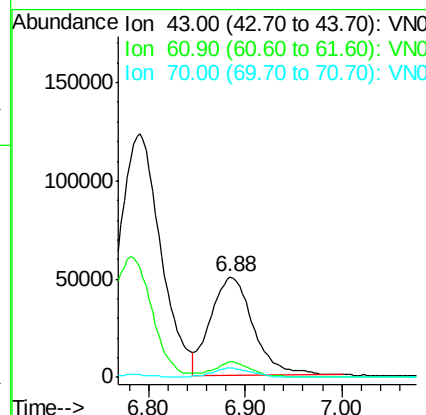
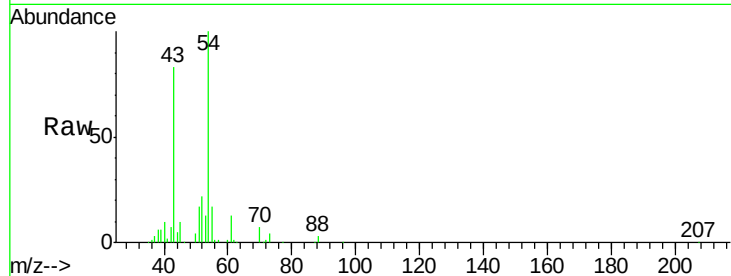
#37
Ethyl Acetate
Concen: 22.988 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.3	16.9
70	8.2	7.7	11.5

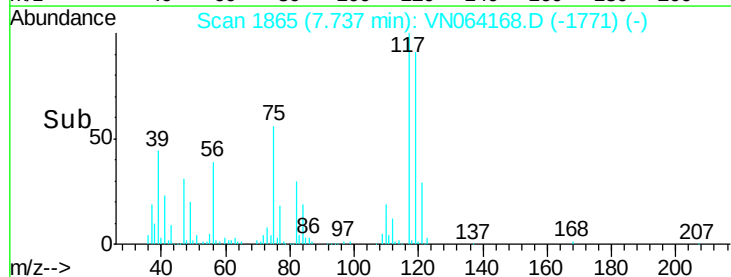
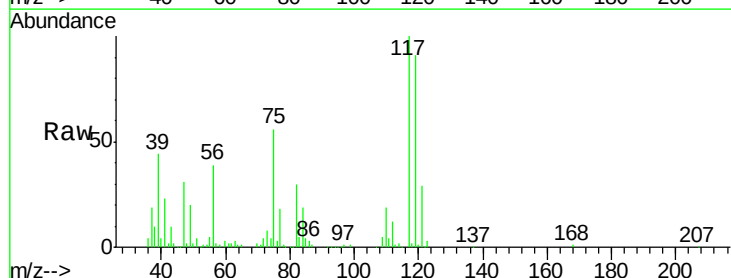
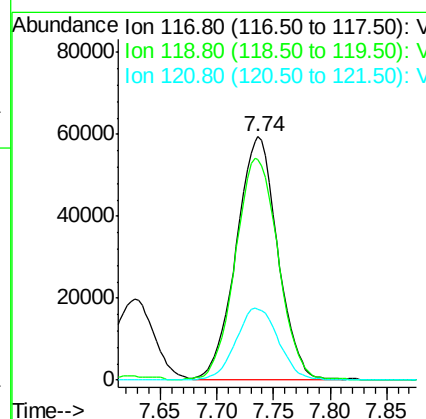
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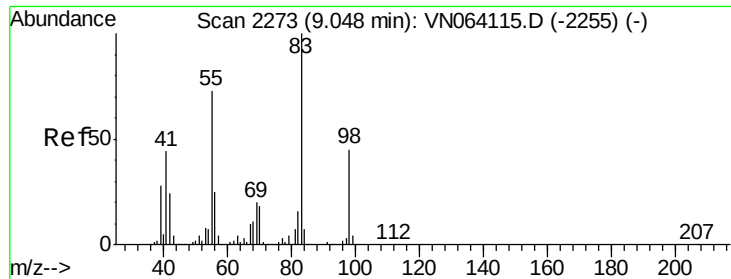
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#38
Carbon Tetrachloride
Concen: 18.411 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	77.0	115.4
121	29.5	24.2	36.4





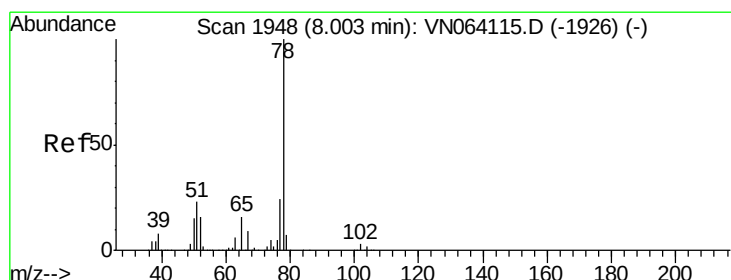
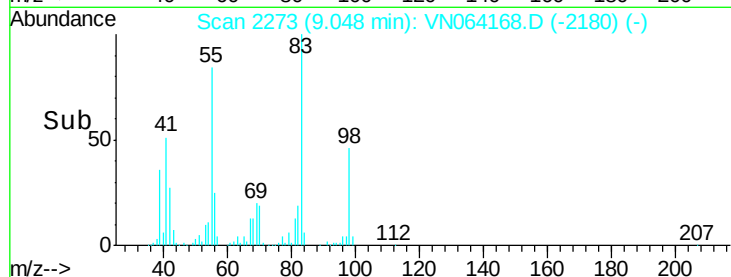
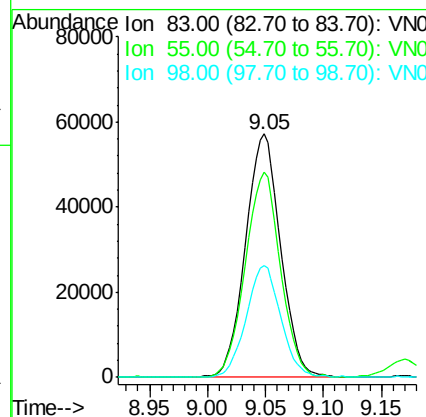
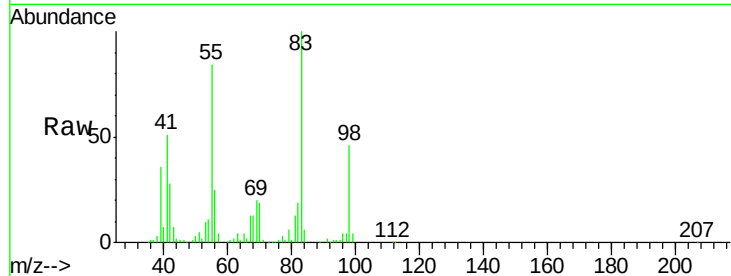
#39
Methylvlcyclohexane
Concen: 18.932 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	120485		
55	84.1		58.5	87.7
98	46.1		36.2	54.2

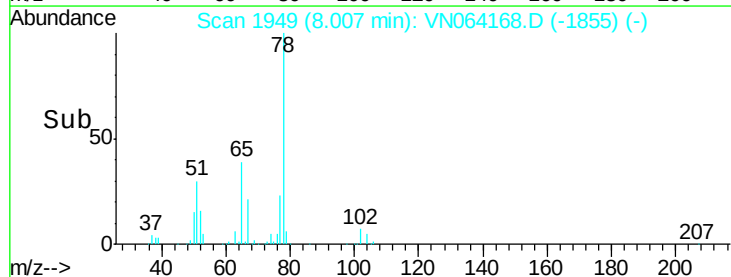
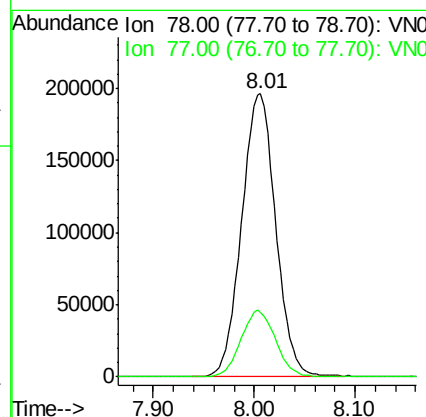
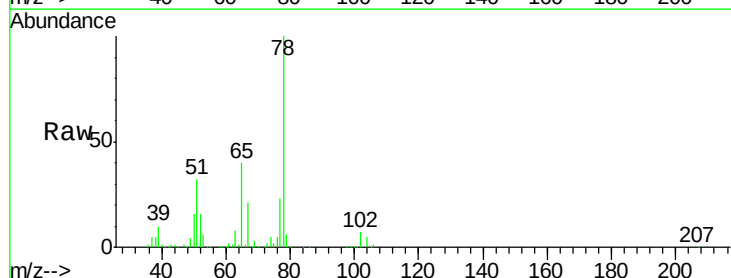
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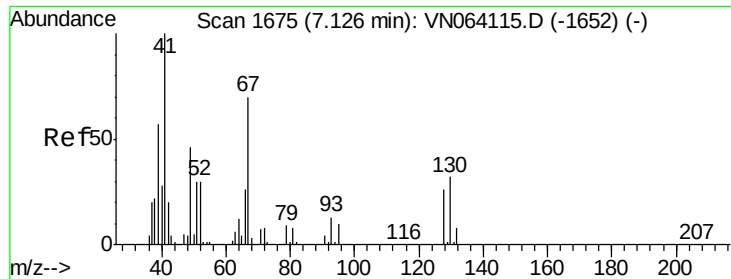
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#40
Benzene
Concen: 20.019 ug/l
RT: 8.01 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	458913		
77	23.0		19.3	28.9





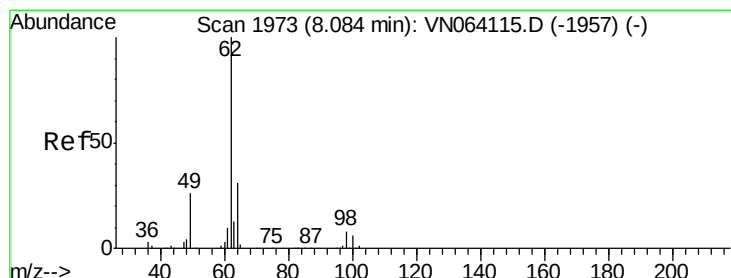
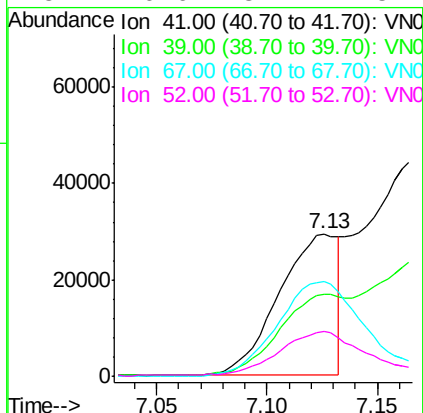
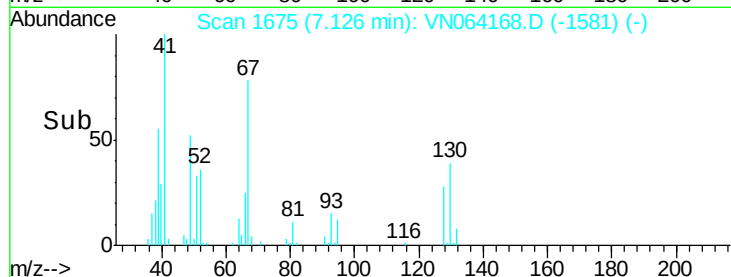
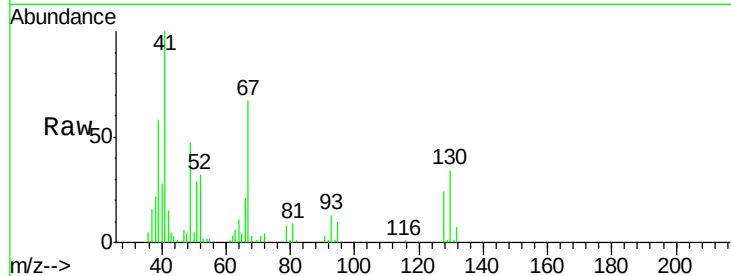
#41
Methacrylonitrile
Concen: 18.615 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion:	41	Resp:	54143
Ion	Ratio	Lower	Upper
41	100		
39	63.5	50.7	76.1
67	101.8	73.8	110.6
52	46.6	32.2	48.4

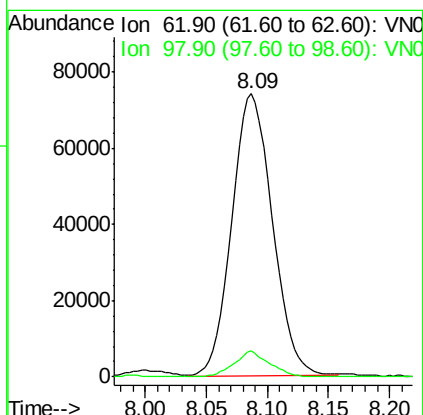
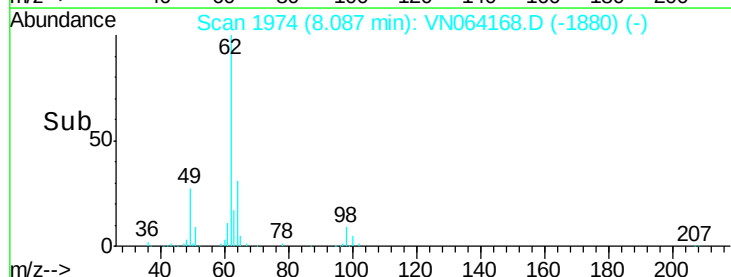
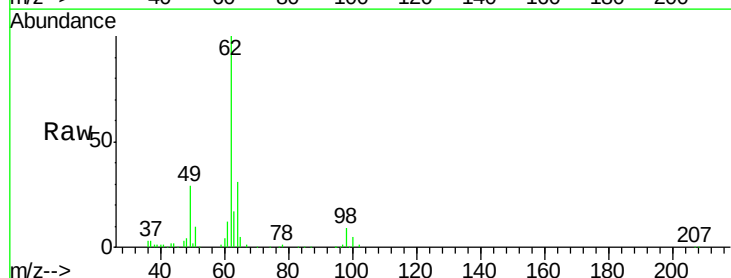
Manual Integrations
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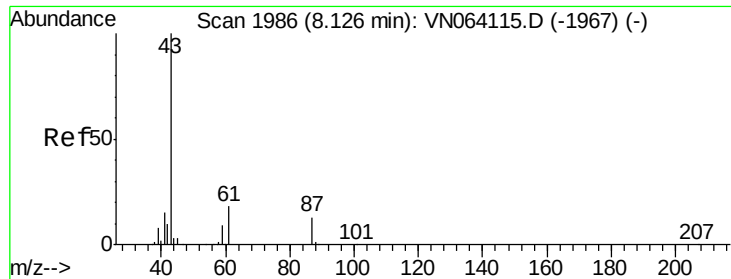
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.957 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion:	62	Resp:	170938
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.6





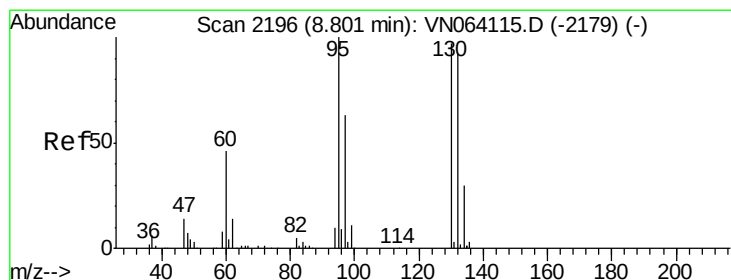
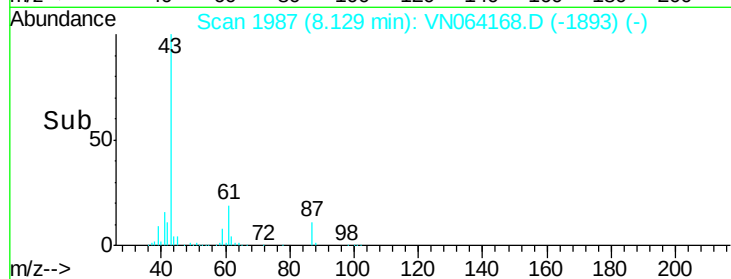
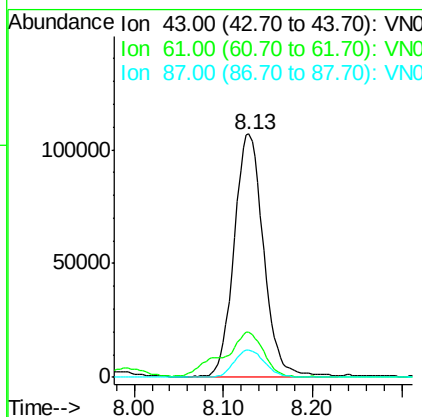
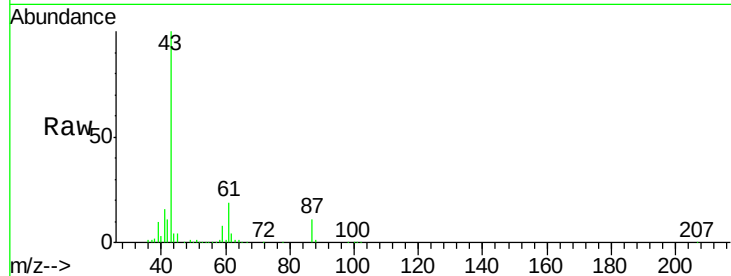
#43
Isopropyl Acetate
Concen: 21.826 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	21.9	32.9#
87	11.7	11.0	16.4

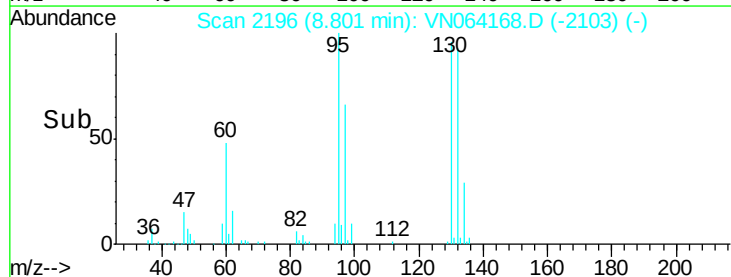
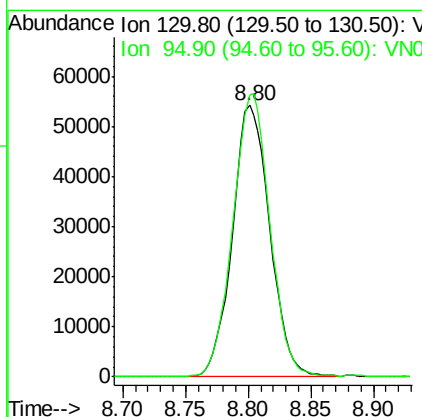
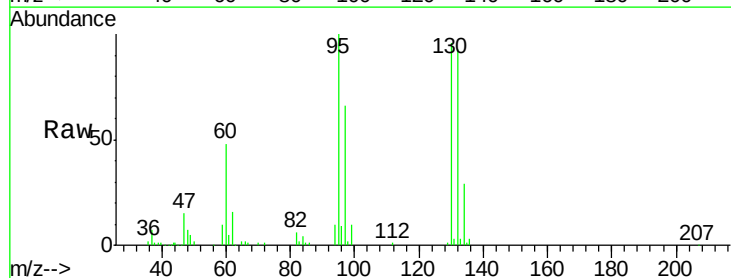
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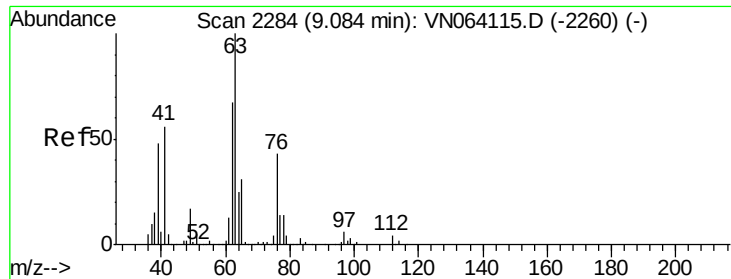
MMDadoda
10/19/2020 4:22:25 PM



#44
Trichloroethene
Concen: 18.677 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	206.2





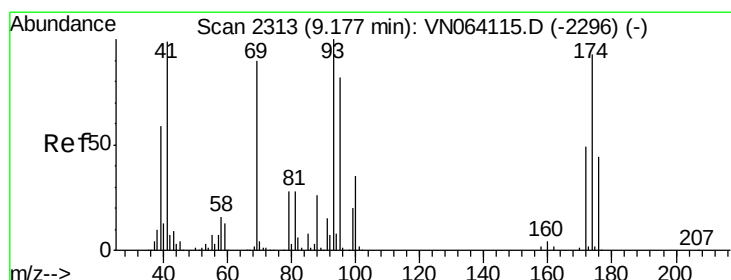
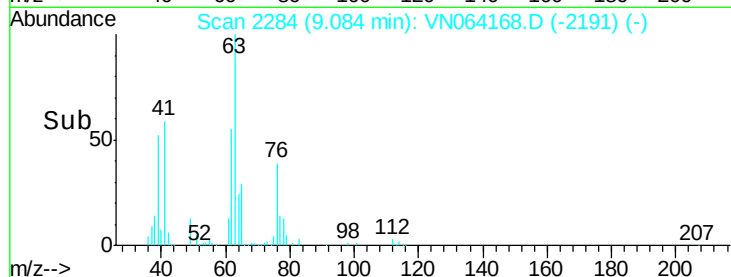
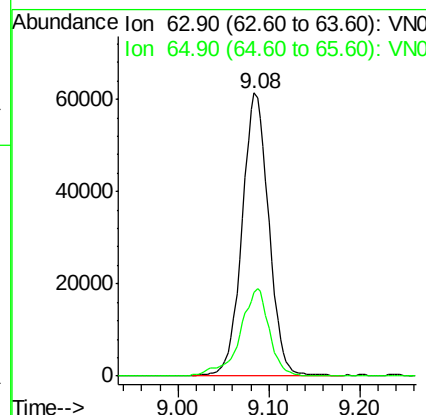
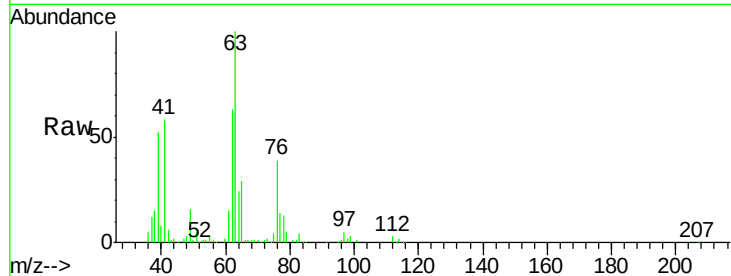
#45
 1,2-Dichloropropane
 Concen: 20.874 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion: 63 Resp: 125368
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.0 37.6

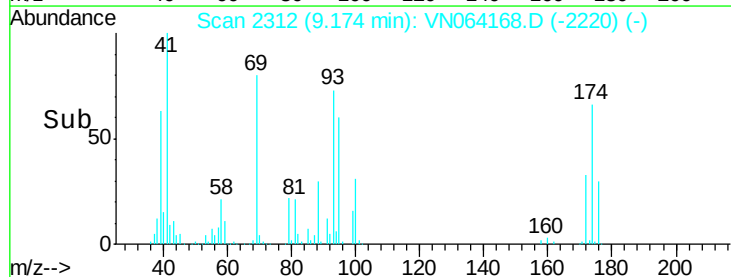
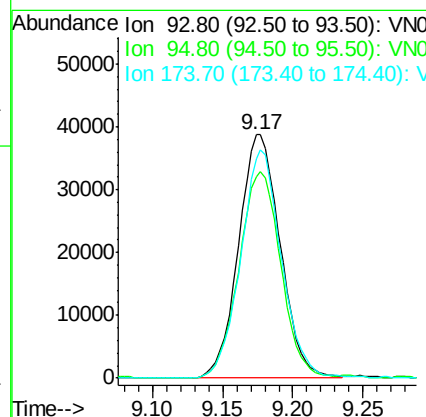
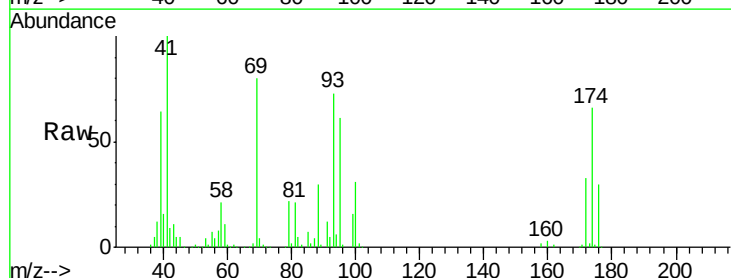
Manual Integrations
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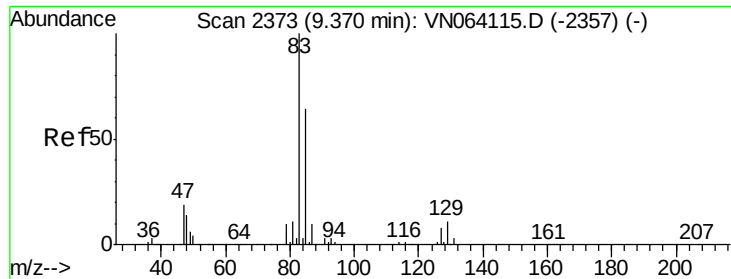
MMDadoda
 10/19/2020 4:22:25 PM



#46
 Dibromomethane
 Concen: 18.803 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion: 93 Resp: 80118
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.8 100.2
 174 91.3 75.2 112.8





#47

Bromodichloromethane

Concen: 19.793 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

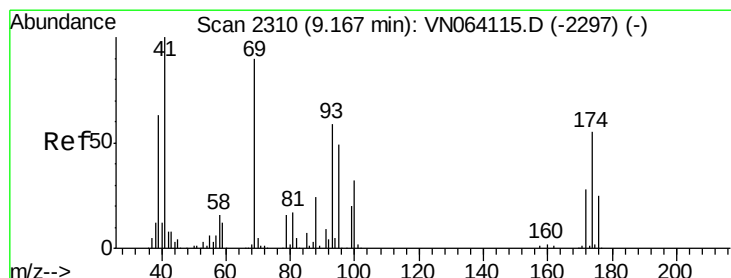
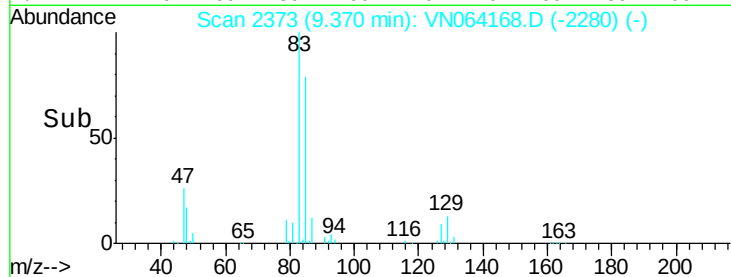
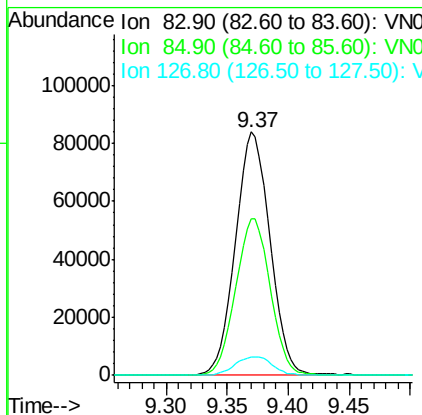
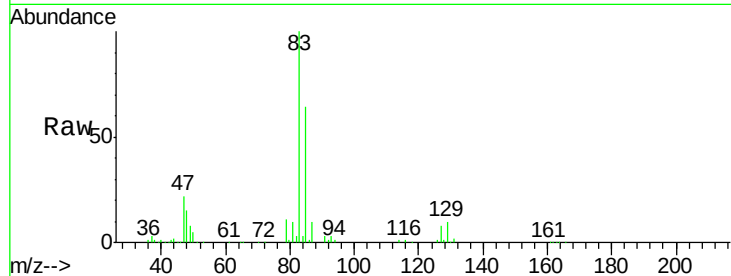
ClientSampleId :

VN1016WBSD01

Tot Ion:	83	Resp:	165009
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.8	76.2
127	7.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.414 ug/l

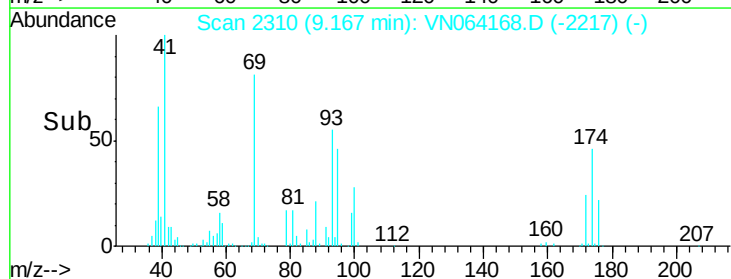
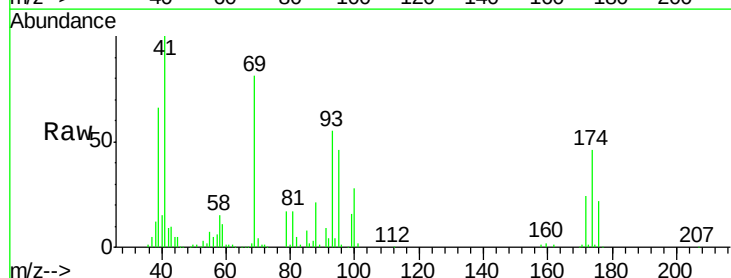
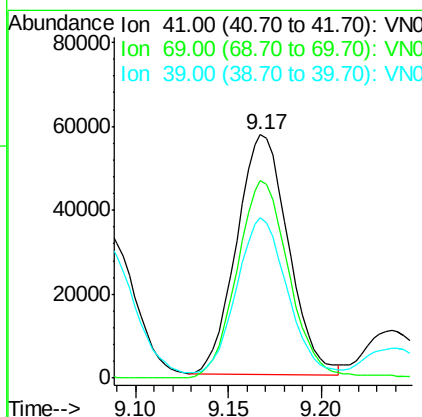
RT: 9.17 min Scan# 2310

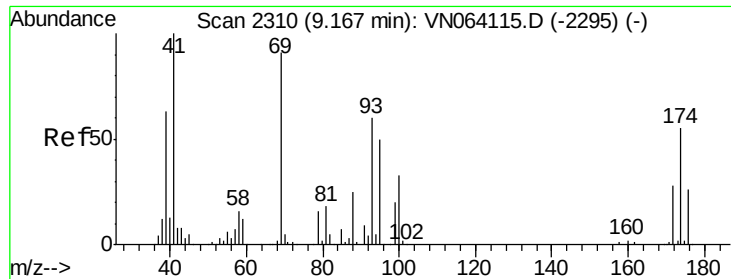
Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Tgt Ion:	41	Resp:	110272
Ion	Ratio	Lower	Upper
41	100		
69	83.9	71.4	107.2
39	65.7	52.5	78.7





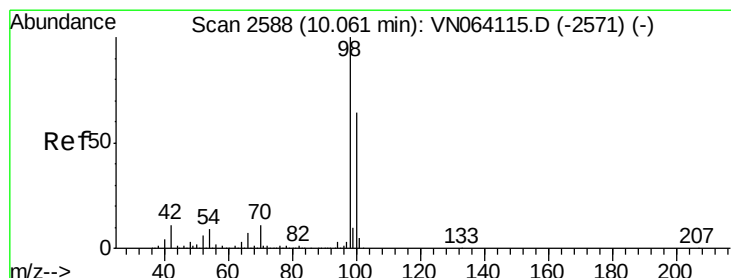
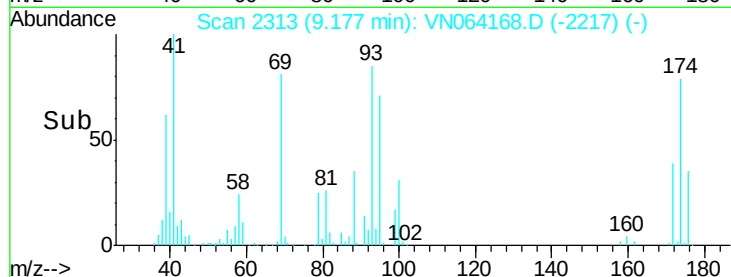
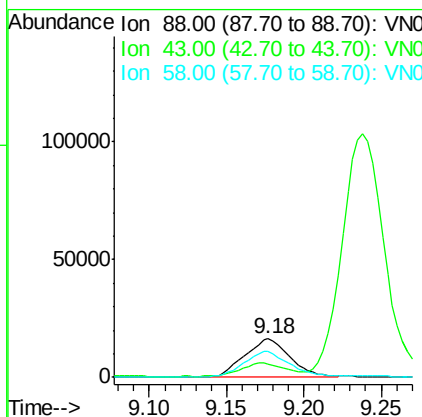
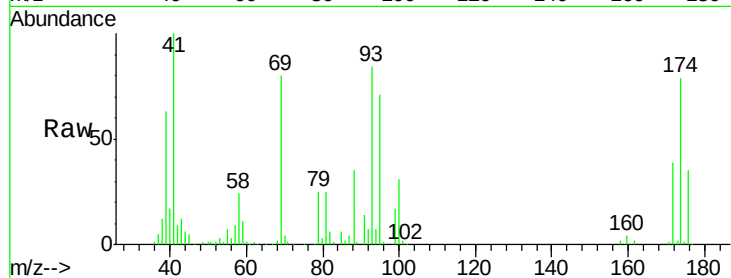
#49
1,4-Dioxane
Concen: 426.799 ug/l
RT: 9.18 min Scan# 2313
Delta R.T. 0.01 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.2	40.8
58	70.1	52.6	78.8

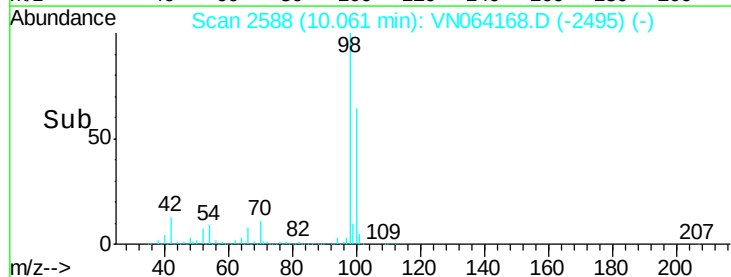
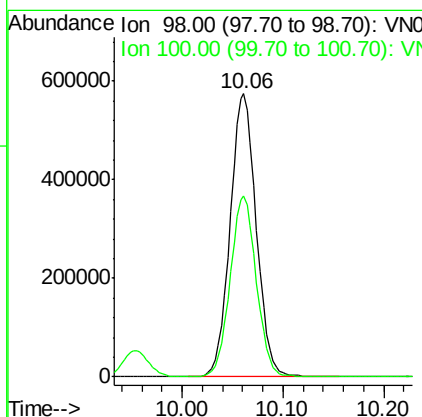
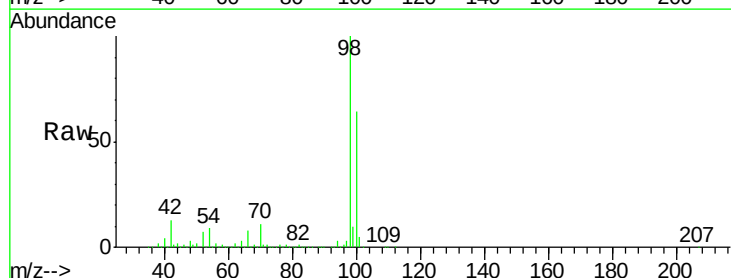
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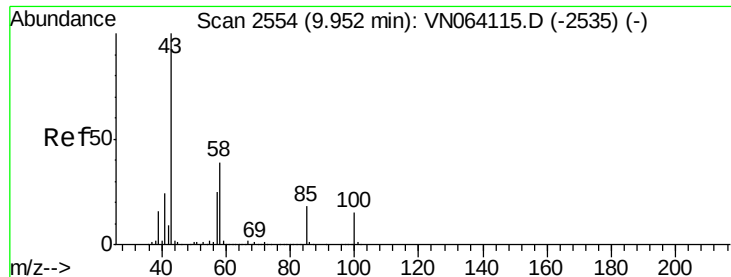
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#50
Toluene-d8
Concen: 50.484 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 114.923 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 43 Resp: 758108

Ion Ratio Lower Upper

43 100

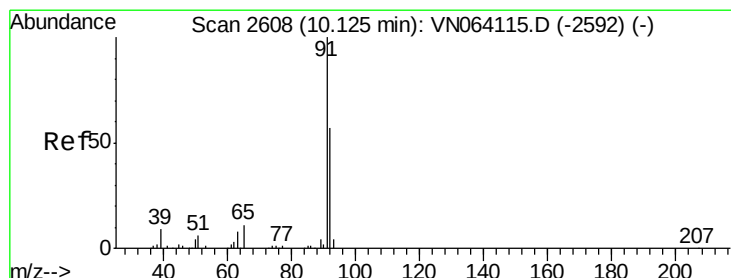
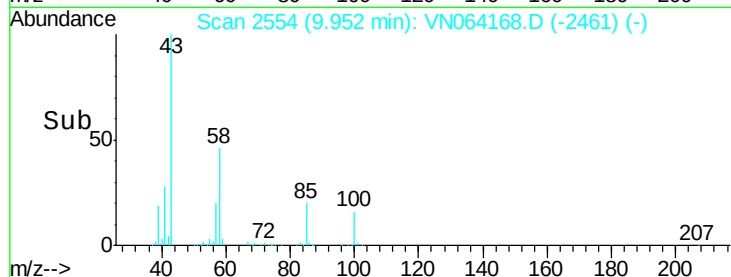
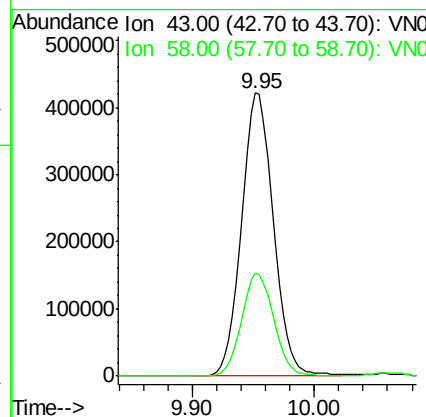
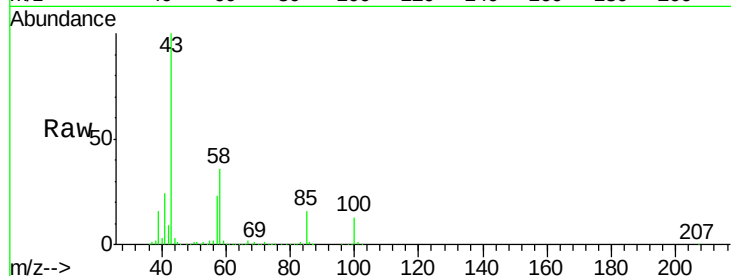
58 36.9 31.2 46.8

Manual Integrations

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#52

Toluene

Concen: 19.464 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064168.D

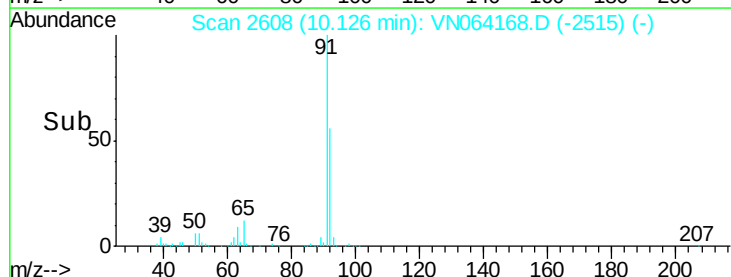
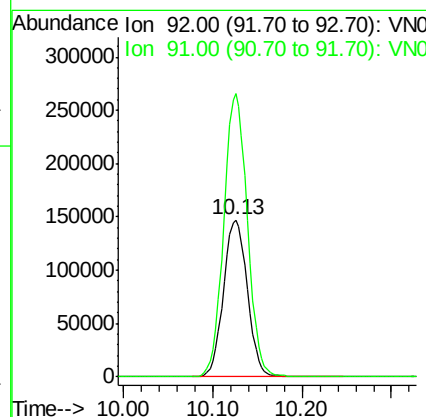
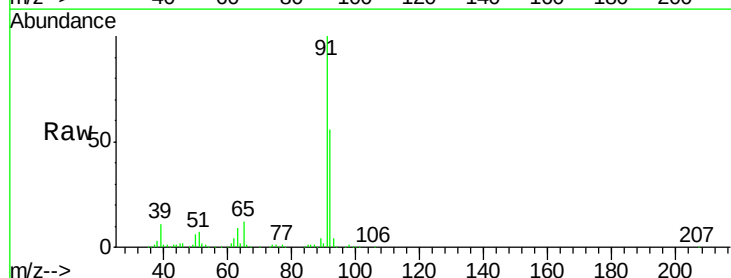
Acq: 16 Oct 2020 16:45

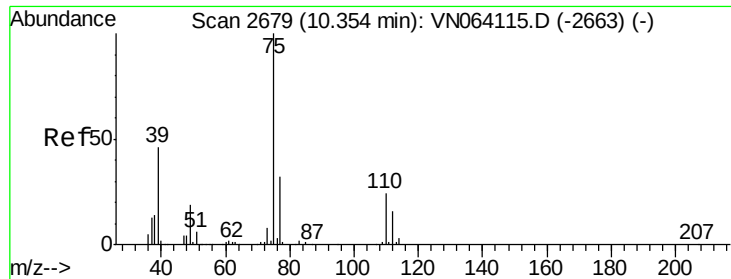
Tgt Ion: 92 Resp: 274151

Ion Ratio Lower Upper

92 100

91 177.7 141.2 211.8





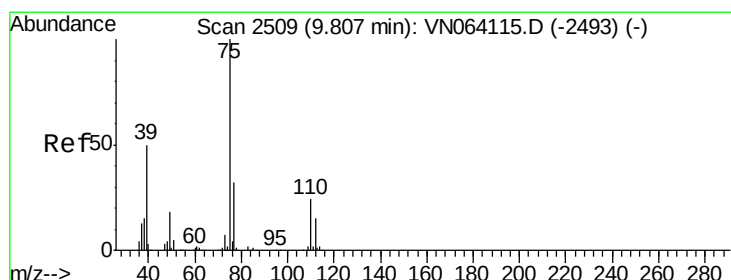
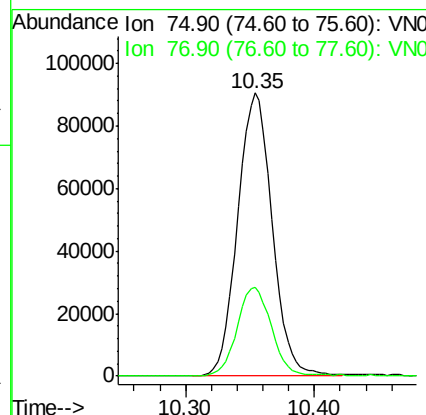
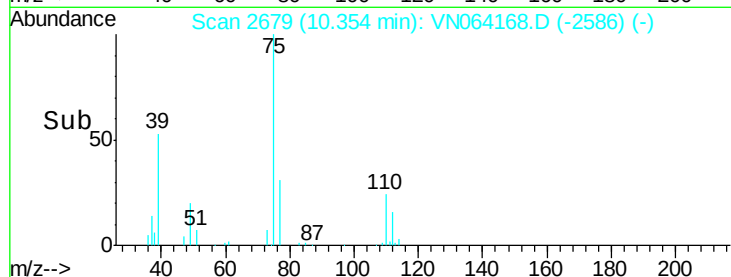
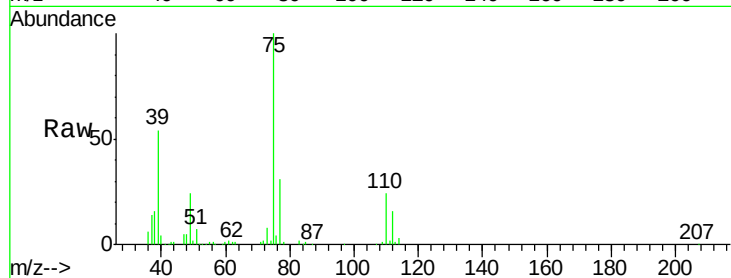
#53
t-1,3-Dichloropropene
Concen: 19.722 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4

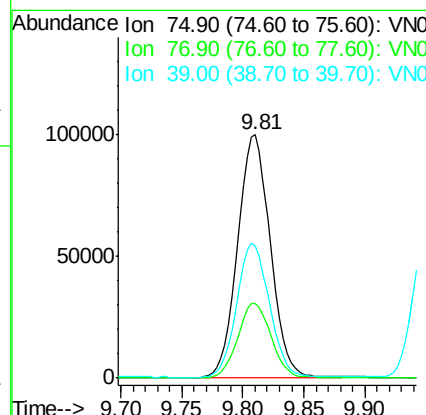
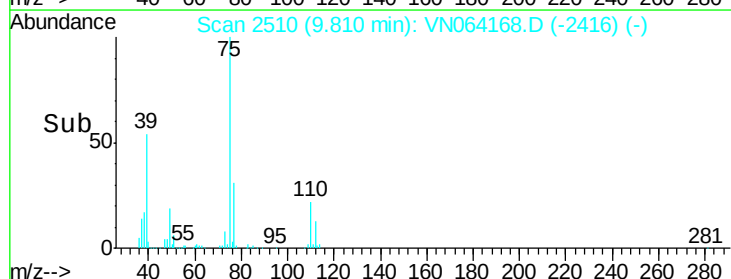
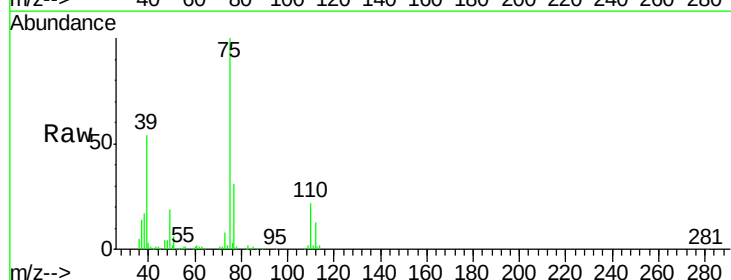
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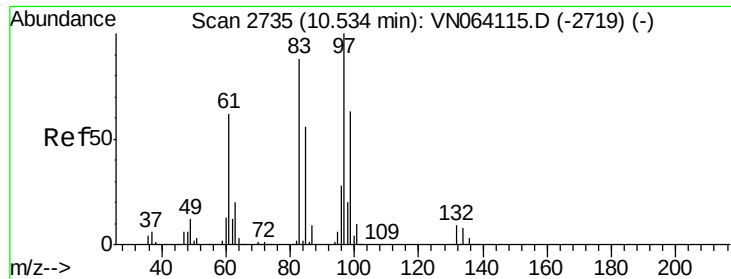
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.827 ug/l
RT: 9.81 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.2	37.8
39	53.9	39.8	59.8





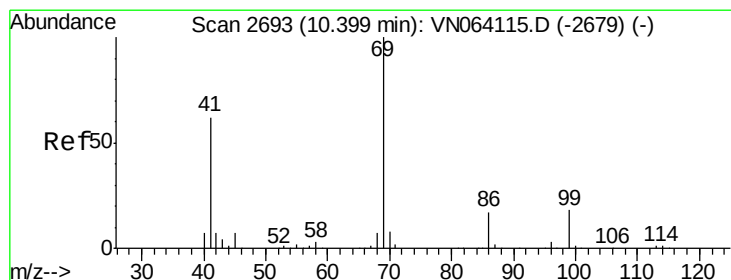
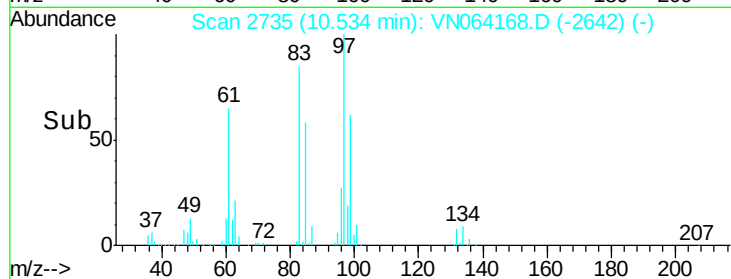
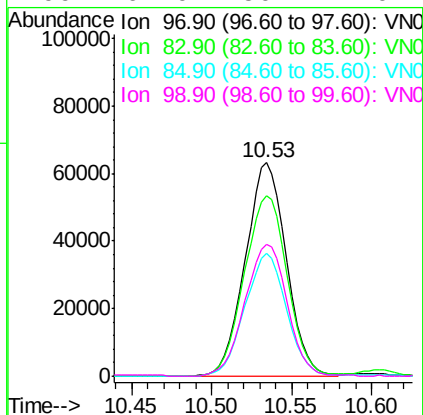
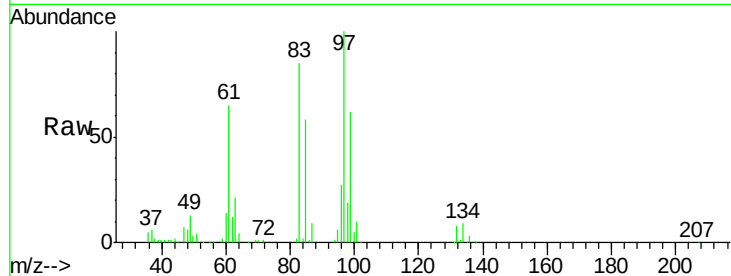
#55
 1,1,2-Trichloroethane
 Concen: 19.083 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	70.2	105.4
85	57.4	45.0	67.6
99	62.0	50.7	76.1

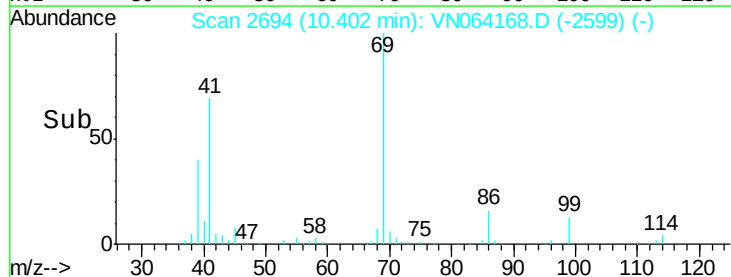
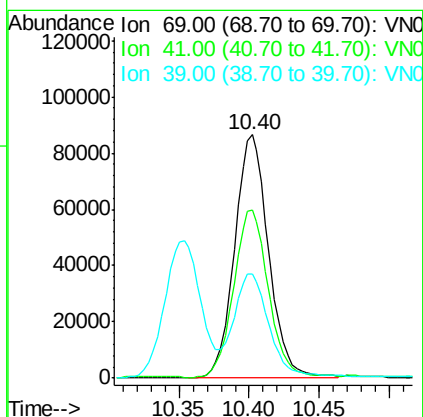
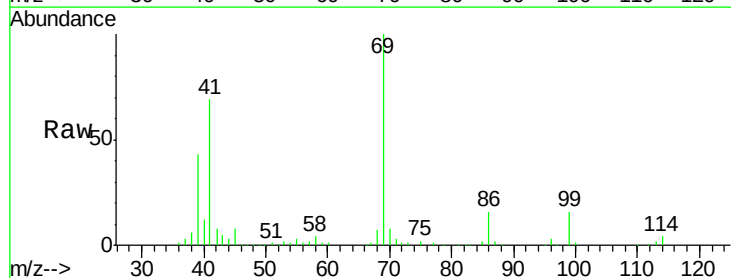
Manual Integrations
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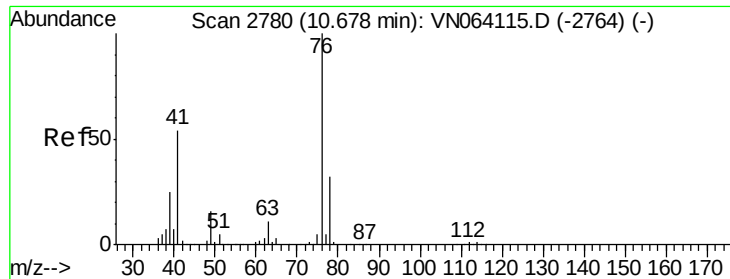
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#56
 Ethyl methacrylate
 Concen: 18.787 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.2	49.3	73.9
39	42.6	32.7	49.1





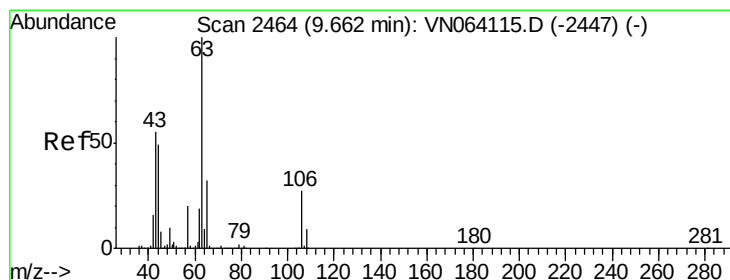
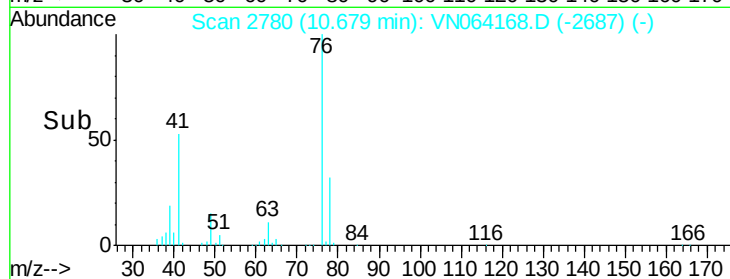
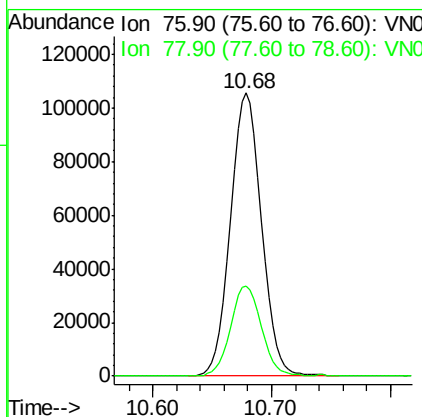
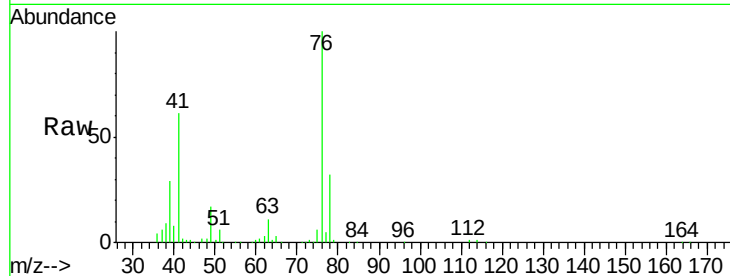
#57
 1,3-Dichloropropane
 Concen: 19.899 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.1	39.1

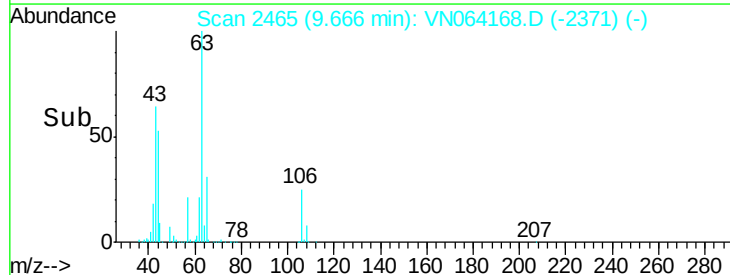
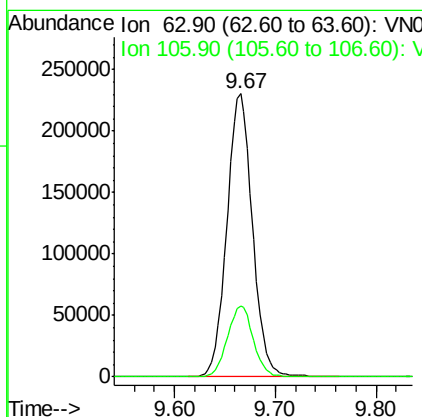
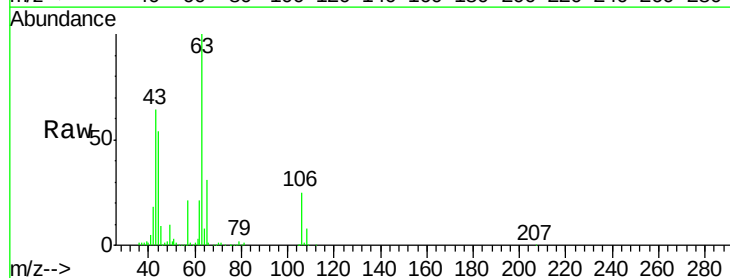
Manual Integrations
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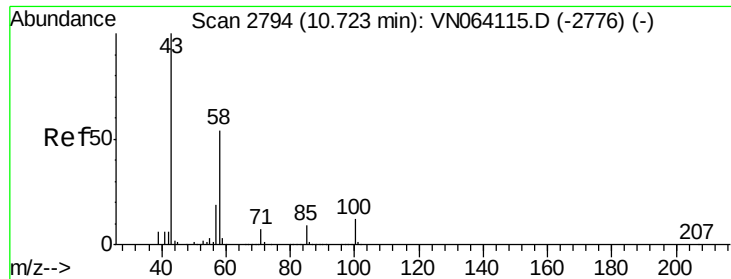
MMDadoda
 10/19/2020 4:22:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.608 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.4	21.8	32.6





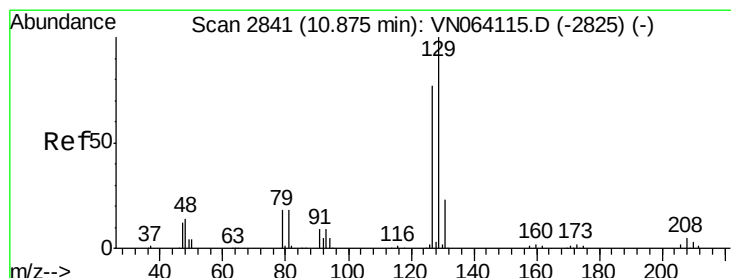
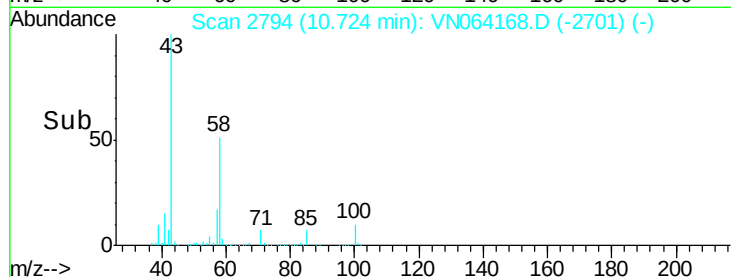
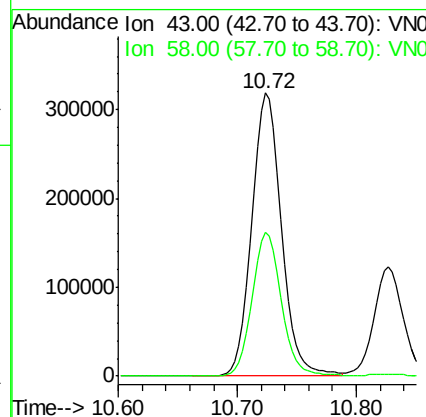
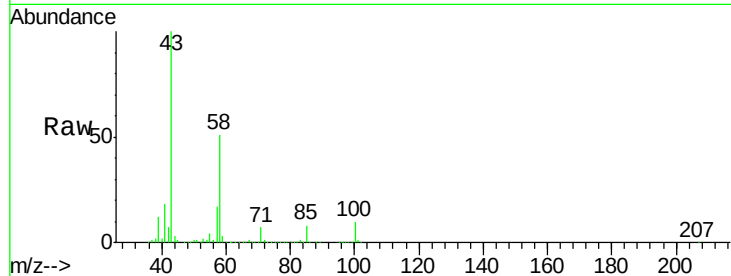
#59
2-Hexanone
Concen: 111.642 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	43	Resp	549418
Ion Ratio	100	Lower	Upper
58	50.0	27.2	81.6

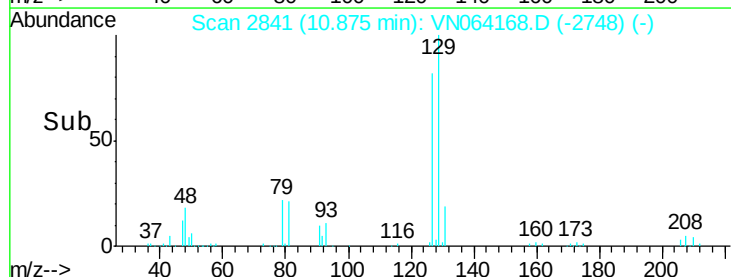
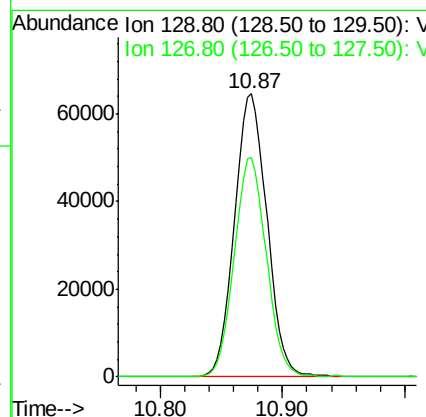
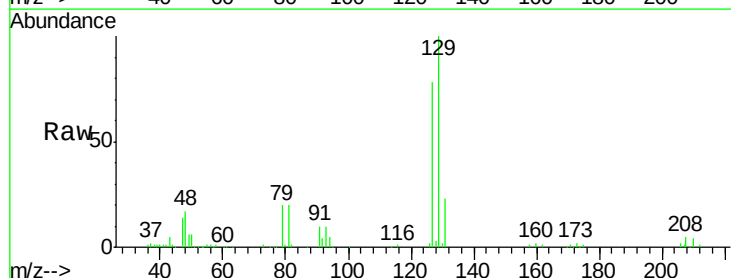
Manual Integrations
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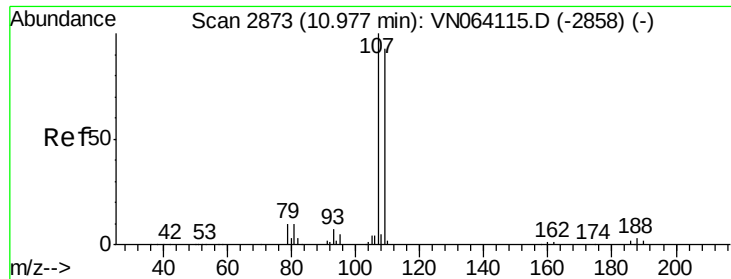
MMDadoda
10/19/2020 4:22:25 PM



#60
Dibromochloromethane
Concen: 18.252 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	129	Resp	119640	
Ion Ratio	129	100	Lower	Upper
127	76.6	38.2	114.6	





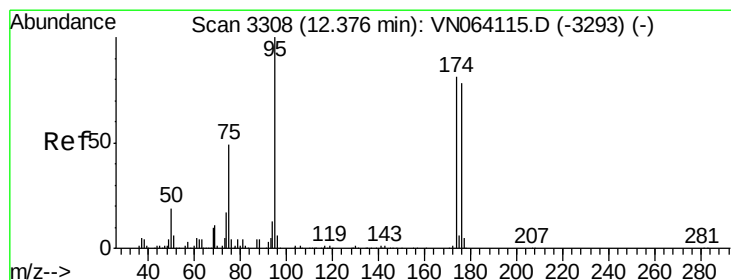
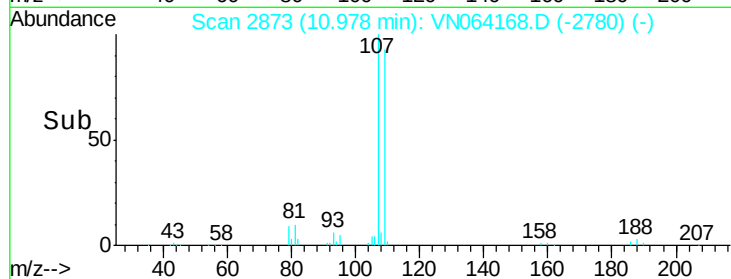
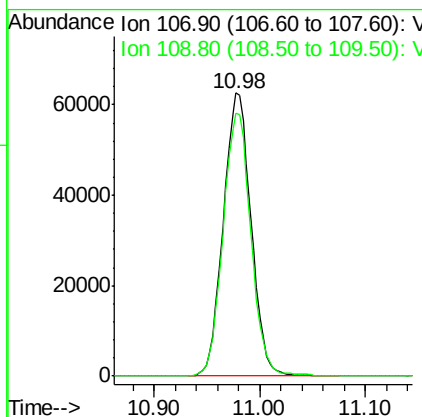
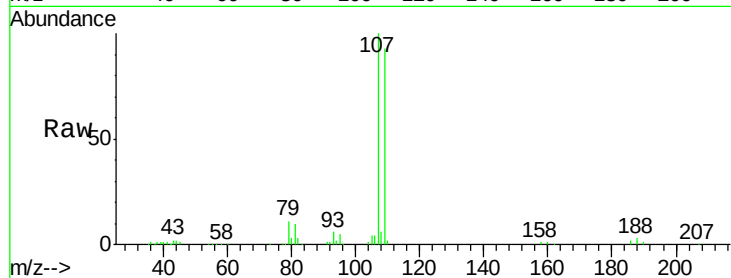
#61
 1,2-Dibromoethane
 Concen: 19.195 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.2	112.8

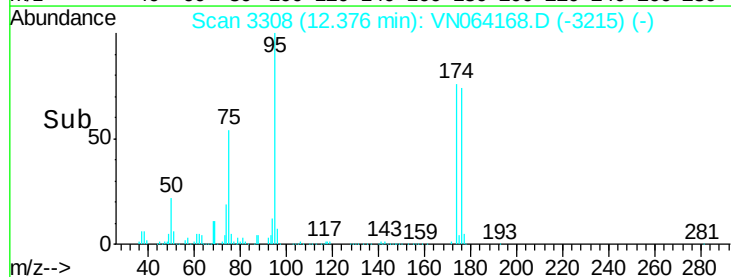
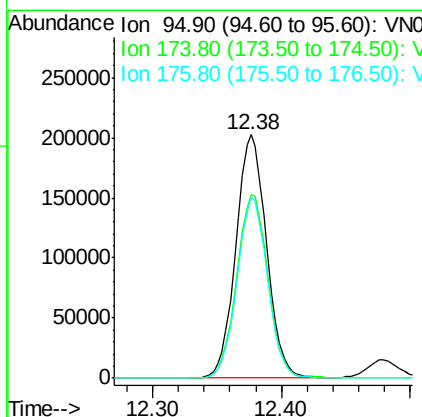
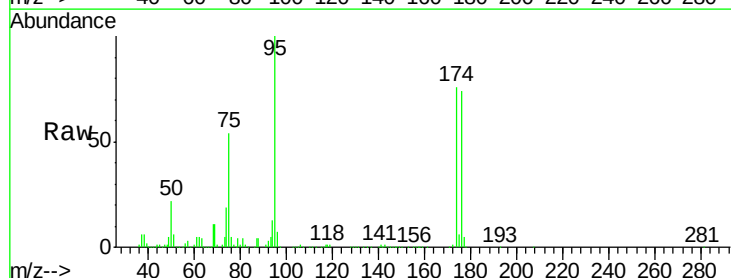
Manual Integrations
 APPROVED

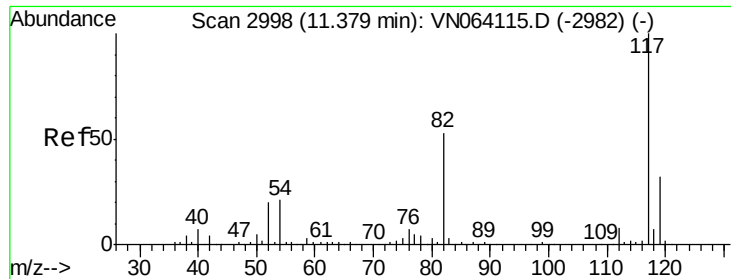
MMDadoda
 10/19/2020 4:22:25 PM



#62
 4-Bromofluorobenzene
 Concen: 47.365 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	164.8
176	74.1	0.0	157.8





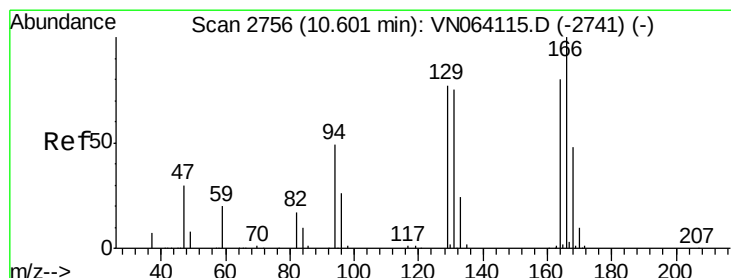
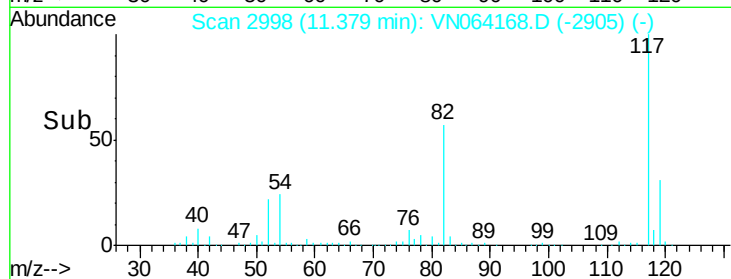
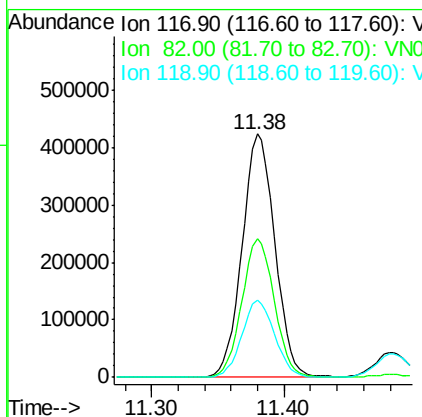
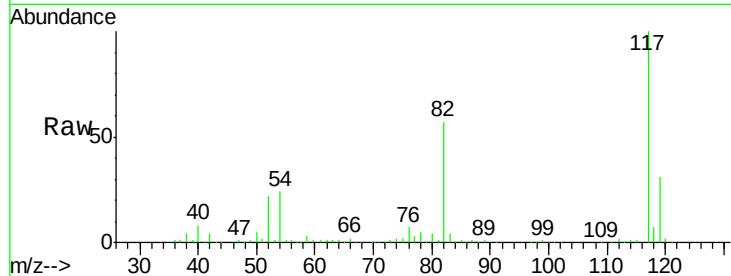
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	42.6	63.8
119	31.5	25.5	38.3

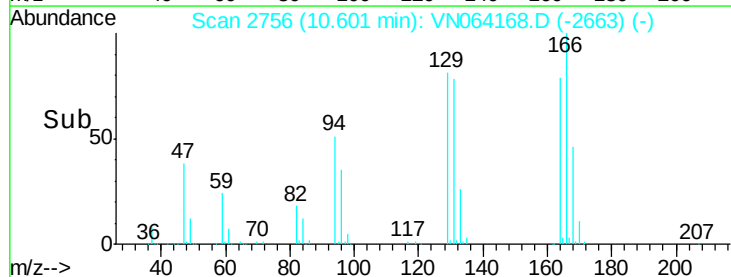
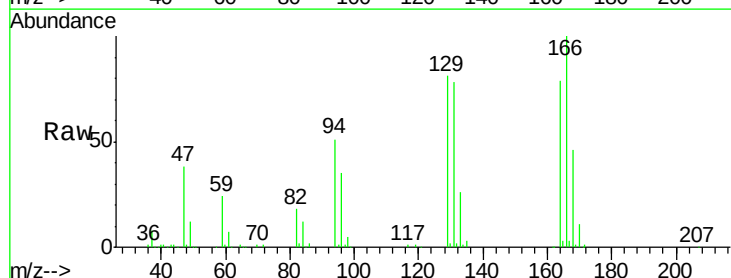
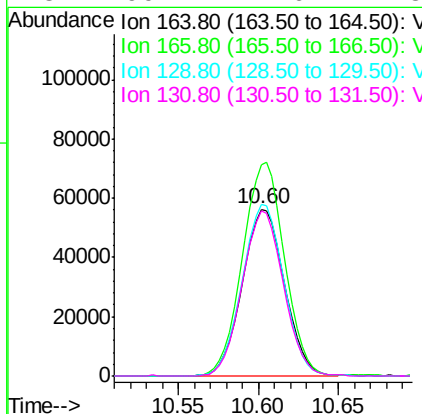
Manual Integrations
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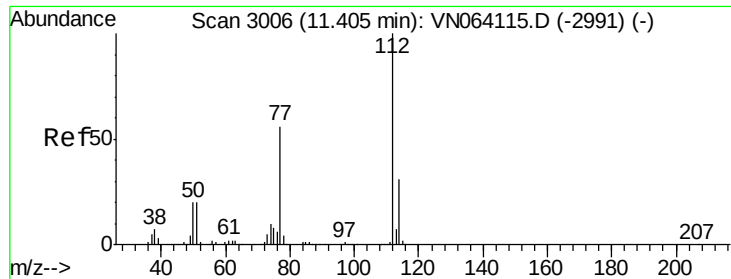
MMDadoda
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#64
Tetrachloroethene
Concen: 18.519 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	99.7	149.5
129	103.2	77.0	115.4
131	99.2	74.6	111.8





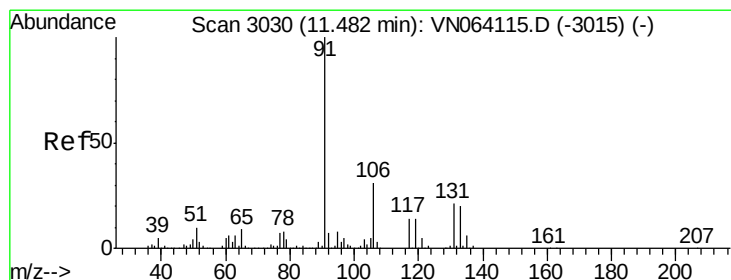
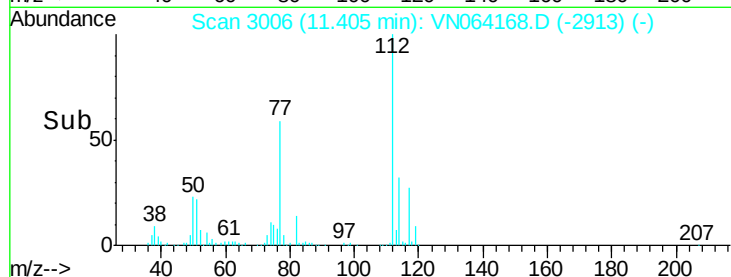
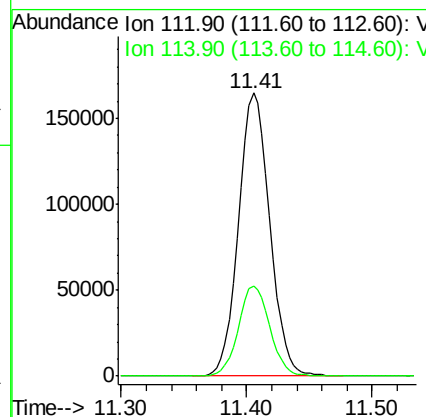
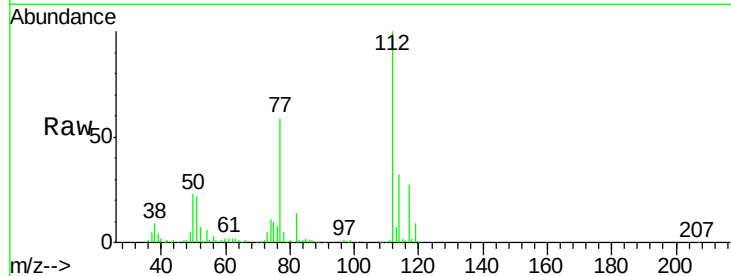
#65
Chlorobenzene
Concen: 18.662 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	285536		
114	31.8	24.6	37.0	

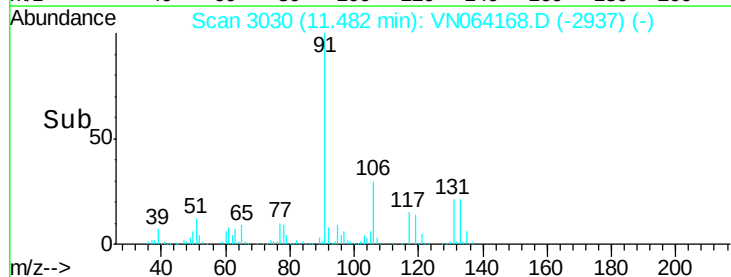
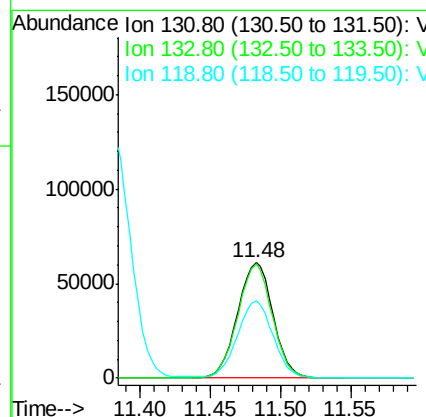
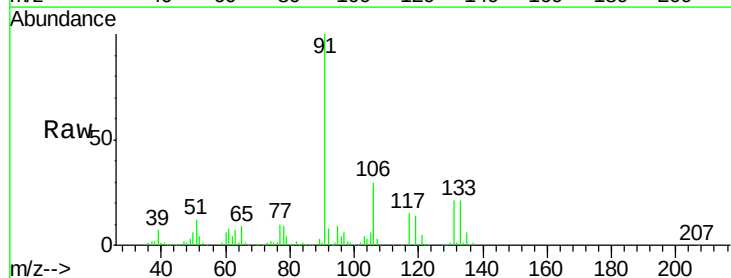
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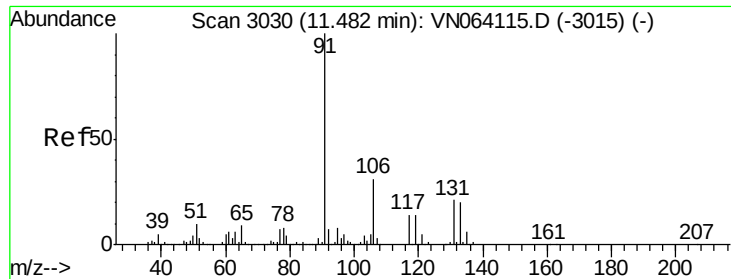
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.585 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	107963		
133	96.6	47.3	141.9	
119	67.2	32.8	98.4	





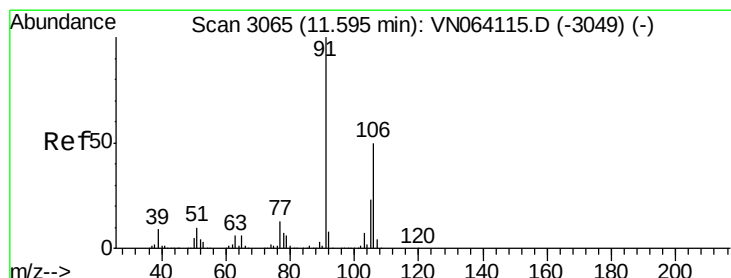
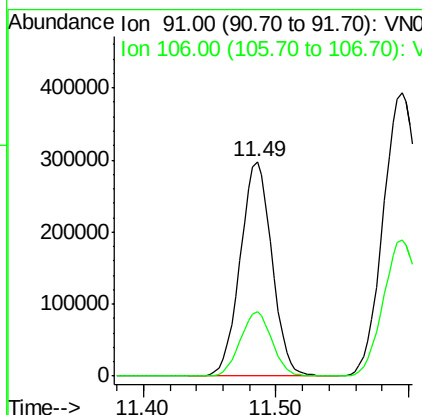
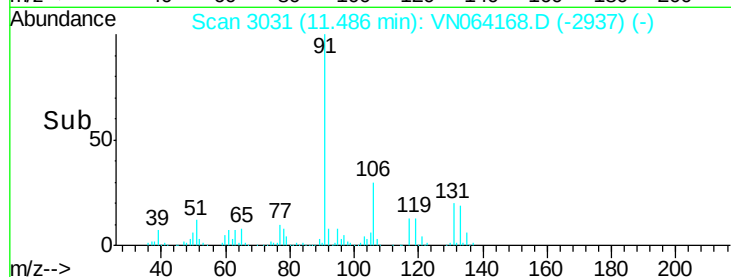
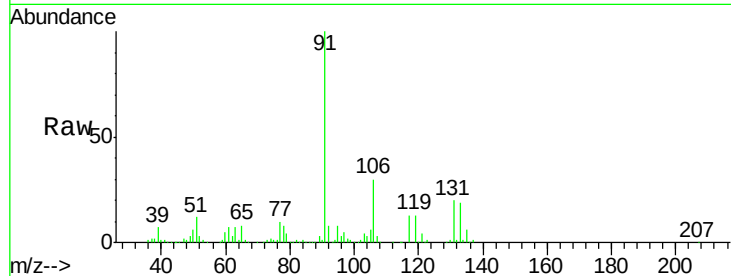
#67
Ethyl Benzene
Concen: 19.298 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion: 91 Resp: 494618
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1

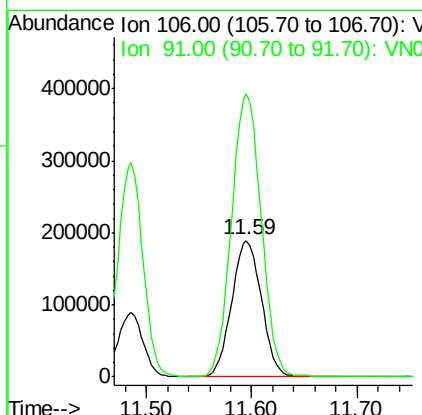
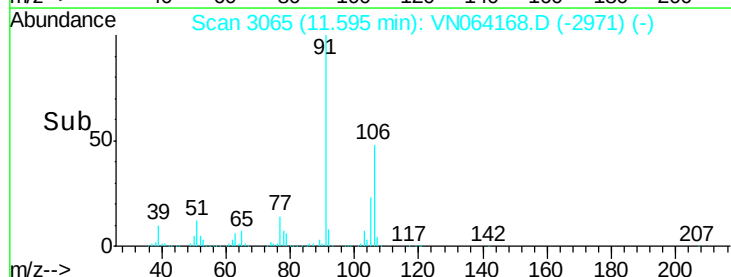
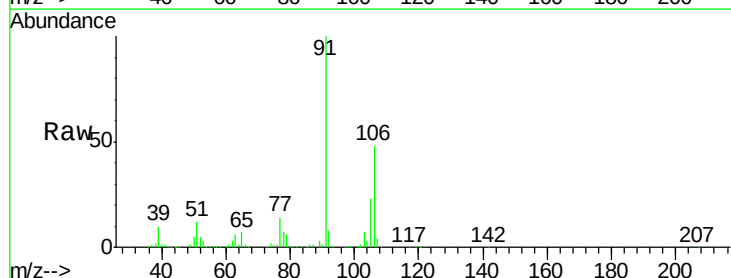
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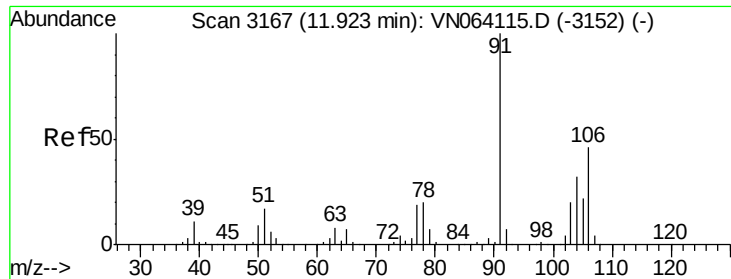
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#68
m/p-Xylenes
Concen: 36.344 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion: 106 Resp: 368939
Ion Ratio Lower Upper
106 100
91 208.2 162.1 243.1





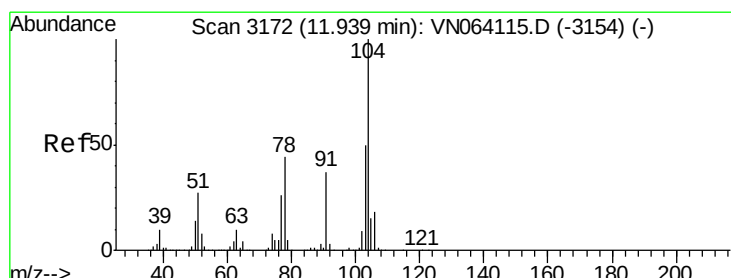
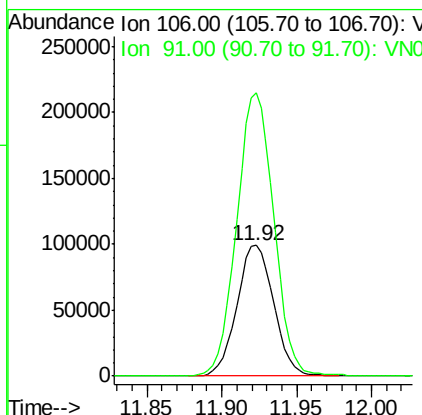
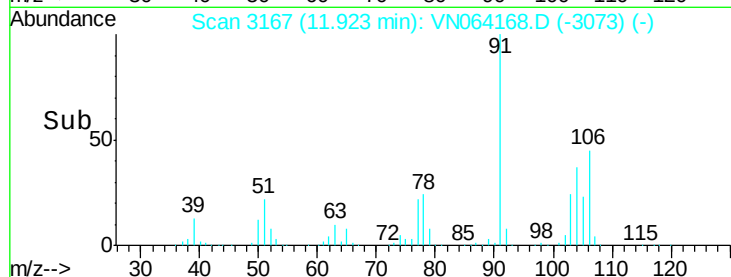
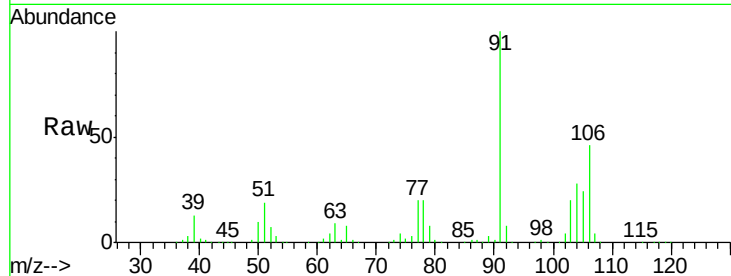
#69
o-Xylene
Concen: 17.888 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion:106 Resp: 170246
Ion Ratio Lower Upper
106 100
91 217.9 107.6 322.8

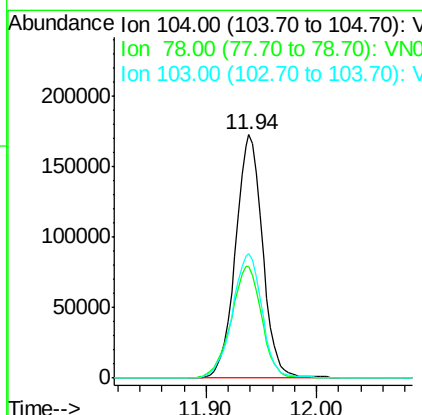
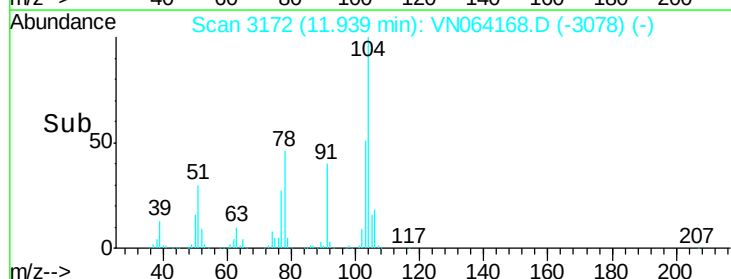
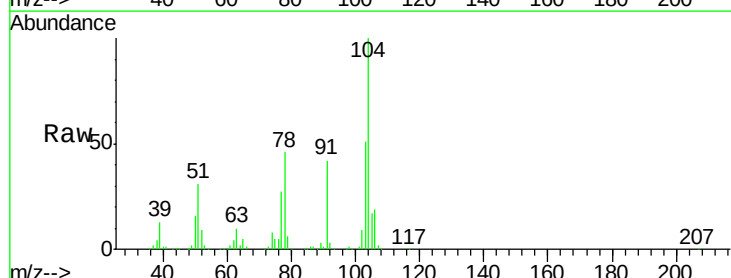
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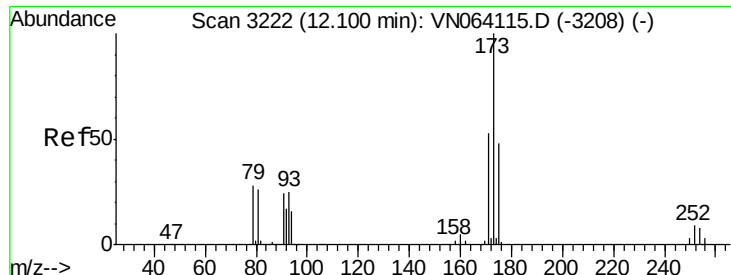
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#70
Styrene
Concen: 18.131 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion:104 Resp: 292514
Ion Ratio Lower Upper
104 100
78 52.3 39.7 59.5
103 56.2 44.2 66.2





#71

Bromoform

Concen: 17.854 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion:173 Resp: 78694

Ion Ratio Lower Upper

173 100

175 47.0 23.4 70.2

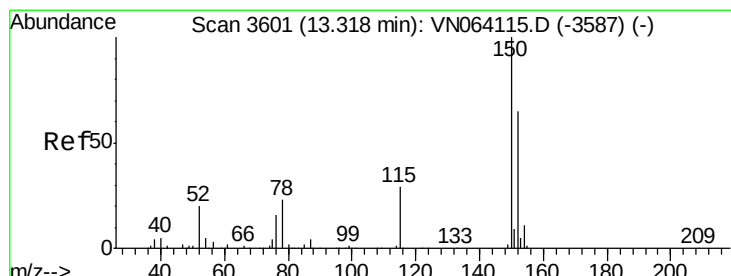
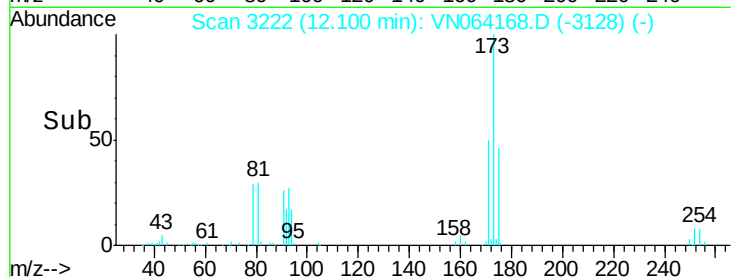
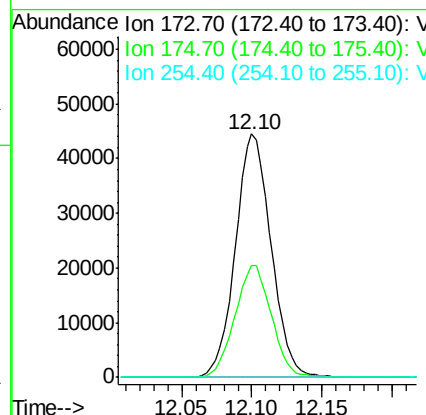
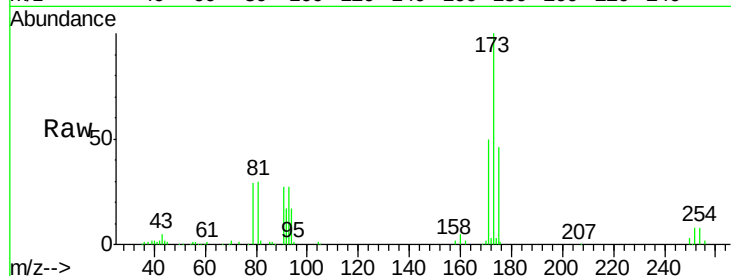
254 0.0 0.1 0.1#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

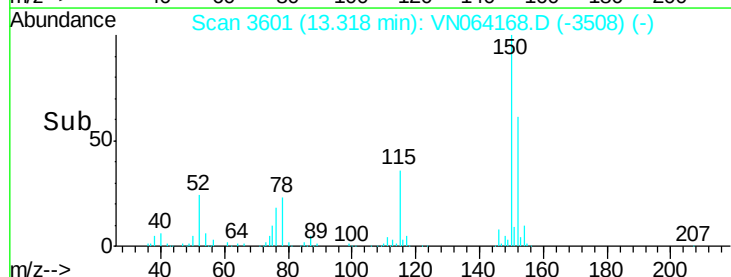
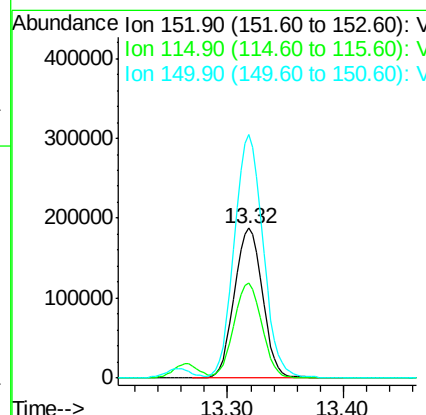
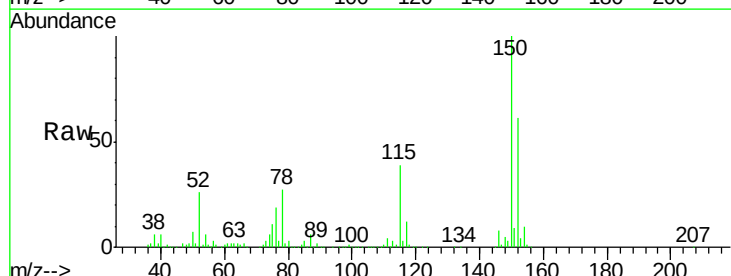
Tgt Ion:152 Resp: 315383

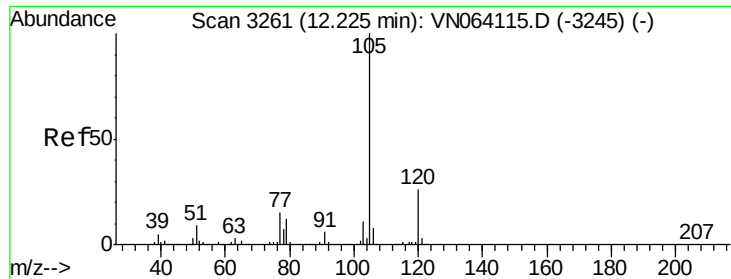
Ion Ratio Lower Upper

152 100

115 62.5 29.3 87.8

150 165.4 0.0 346.0





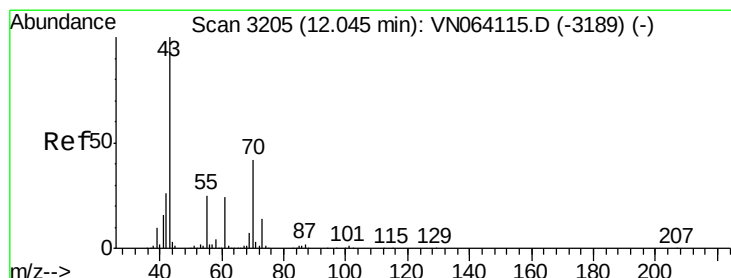
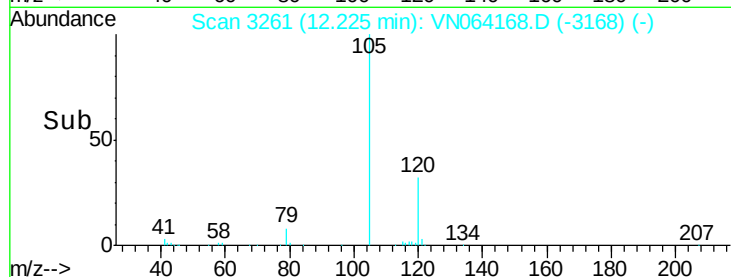
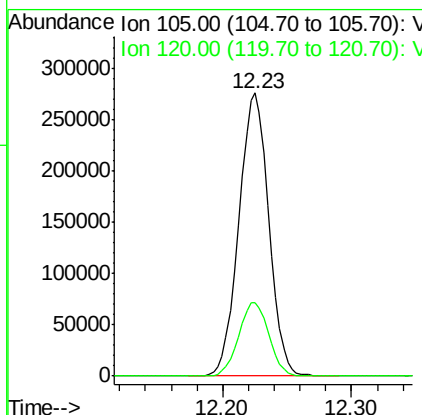
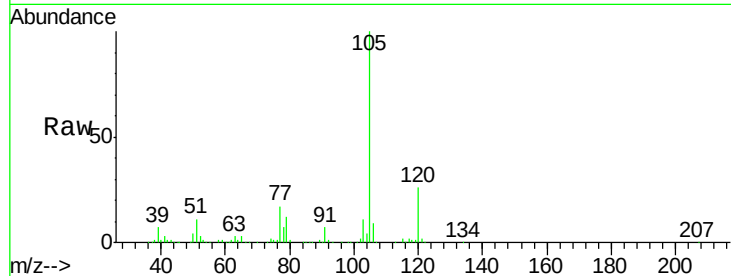
#73
Isopropylbenzene
Concen: 19.457 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5

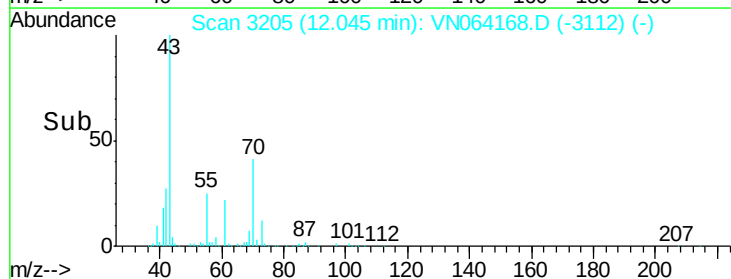
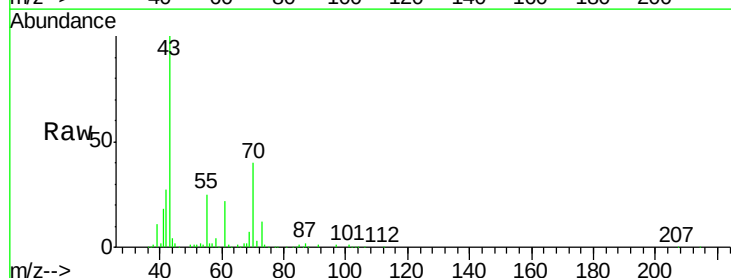
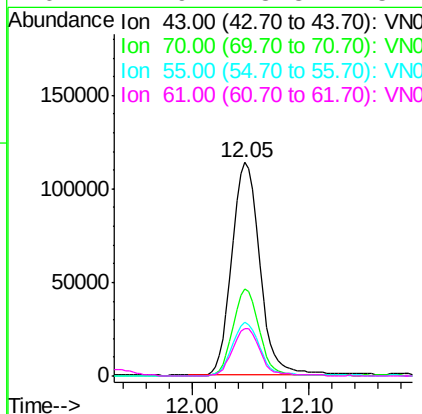
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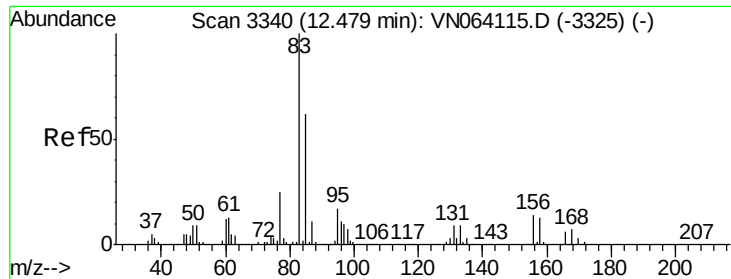
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#74
N-ethyl acetate
Concen: 22.453 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.3	33.2	49.8
55	24.9	19.9	29.9
61	21.9	18.8	28.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.459 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 83 Resp: 153050
Ion Ratio Lower Upper

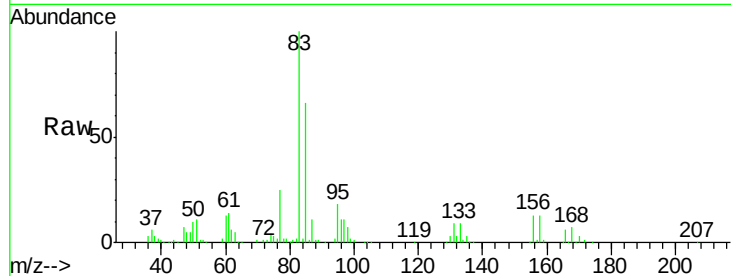
83 100

131 9.7 5.0 15.0

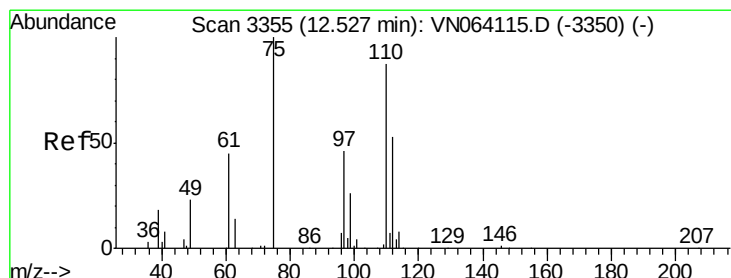
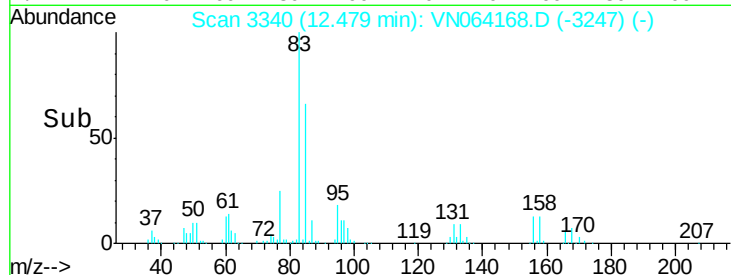
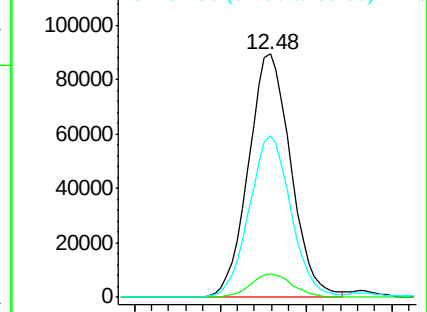
85 65.3 31.9 95.9

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 19.789 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

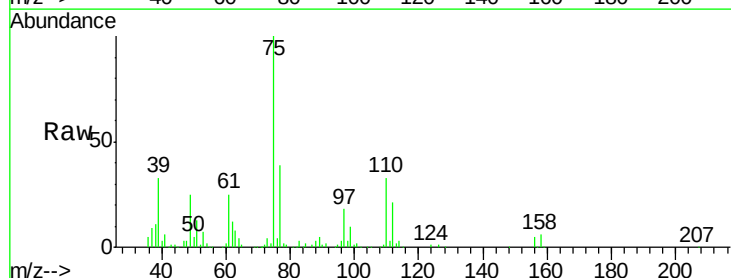
Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

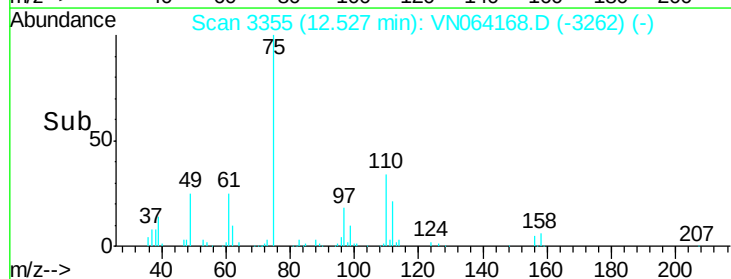
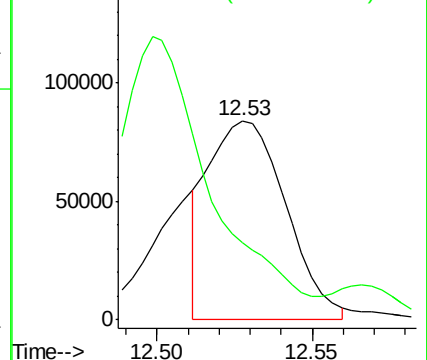
Tgt Ion: 75 Resp: 146420
Ion Ratio Lower Upper

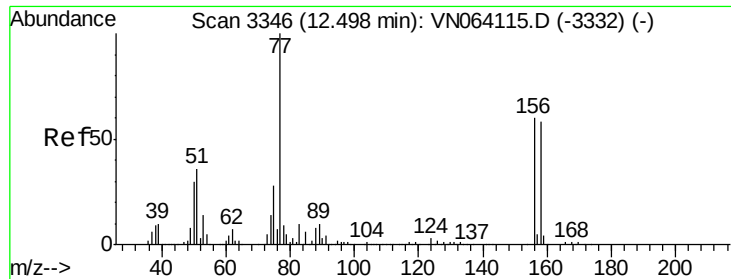
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.143 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

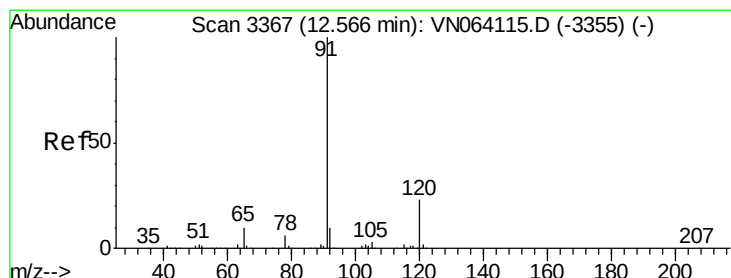
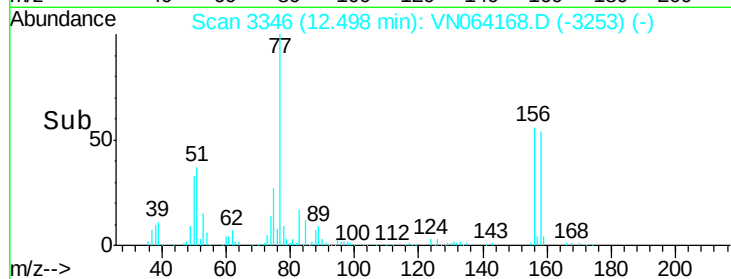
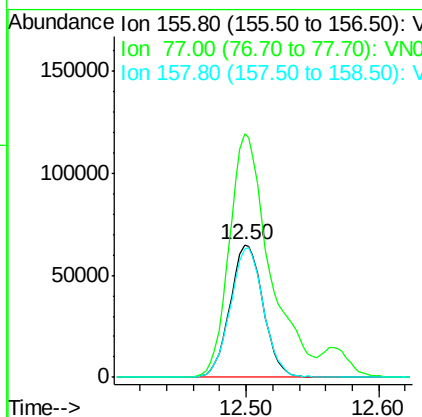
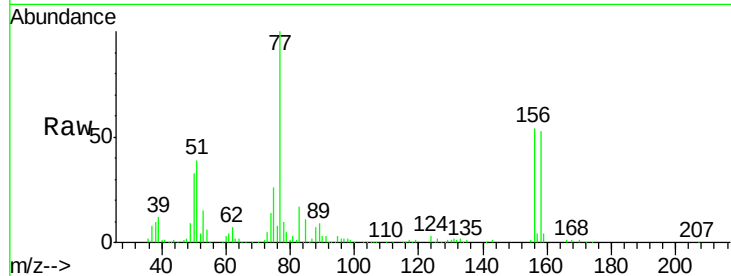
ClientSampleId :

VN1016WBSD01

Tot Ion:	156	Resp:	112523
Ion Ratio	Lower	Upper	
156	100		
77	225.4	99.3	297.9
158	98.4	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.648 ug/l

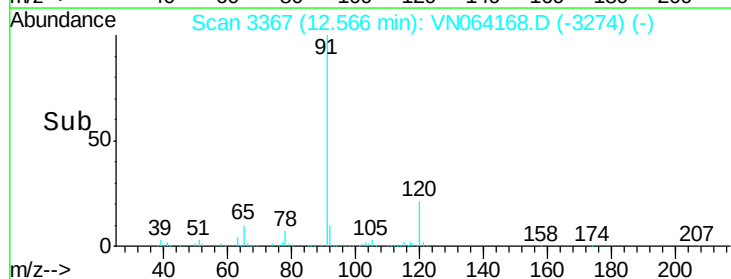
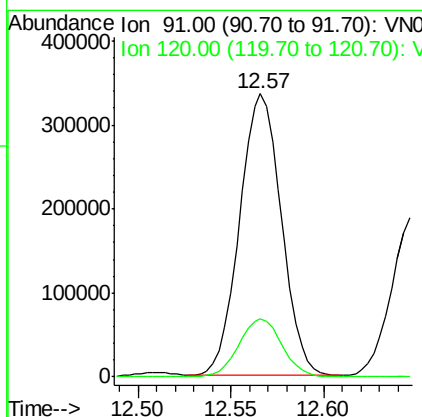
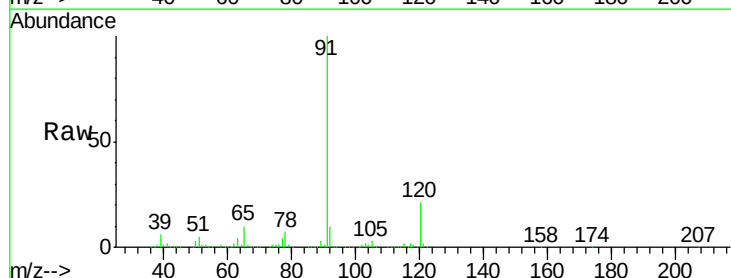
RT: 12.57 min Scan# 3367

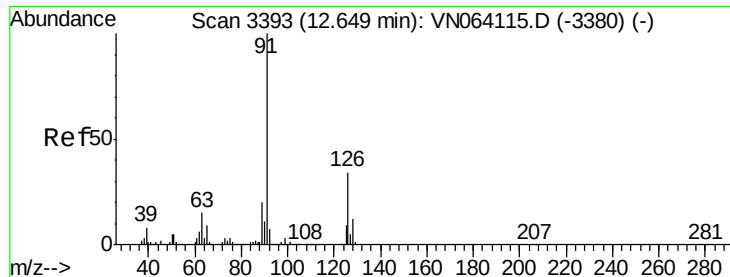
Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Tgt Ion:	91	Resp:	526480
Ion Ratio	Lower	Upper	
91	100		
120	21.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.747 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion: 91 Resp: 320229

Ion Ratio Lower Upper

91 100

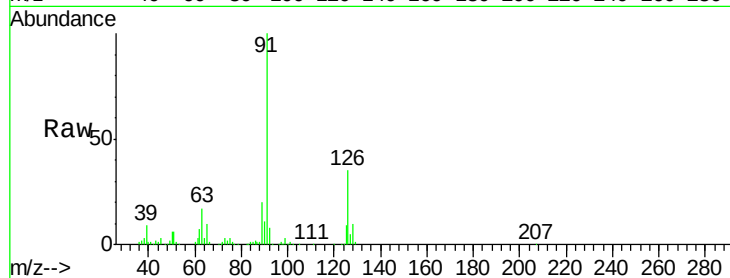
126 34.0 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064115.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064115.D (-3380) (-)

300000

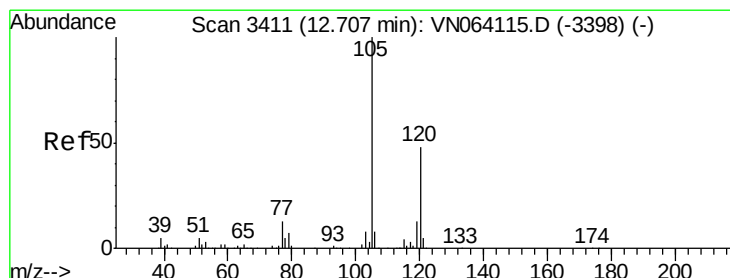
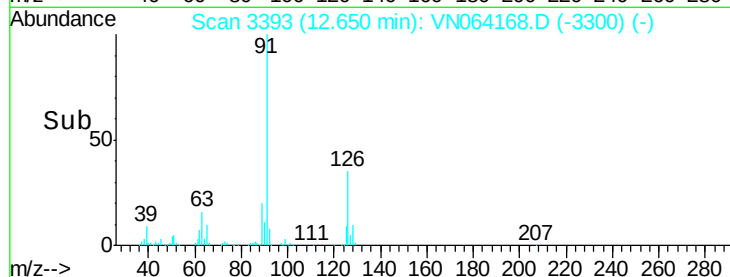
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.347 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064168.D

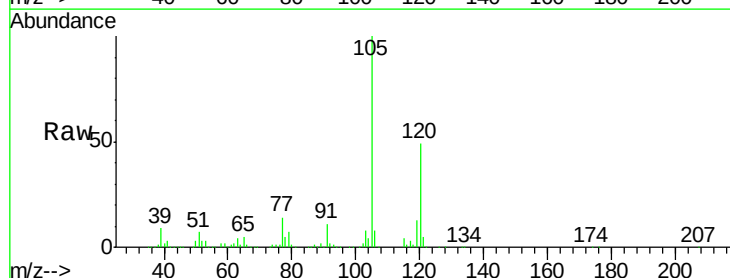
Acq: 16 Oct 2020 16:45

Tgt Ion: 105 Resp: 373094

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064115.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN064115.D (-3398) (-)

250000

200000

150000

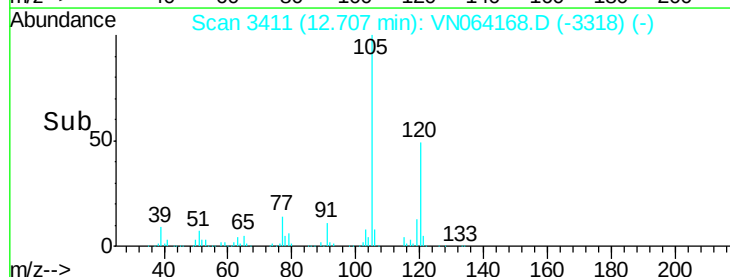
100000

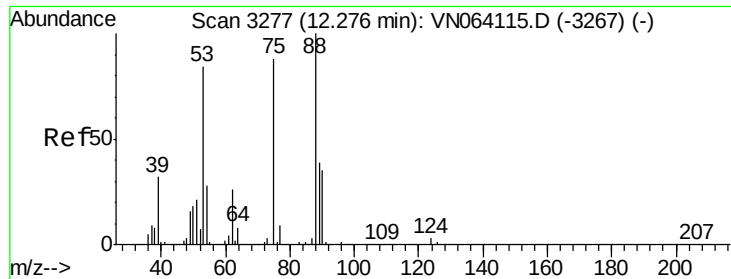
50000

0

12.65 12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.485 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

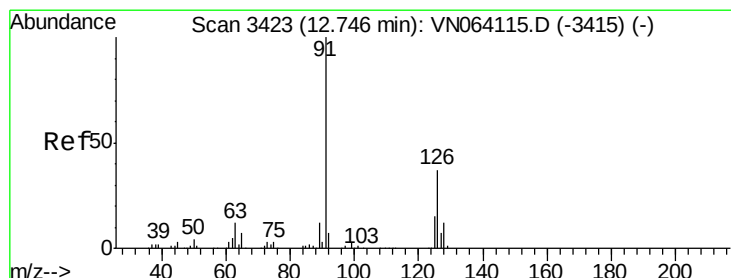
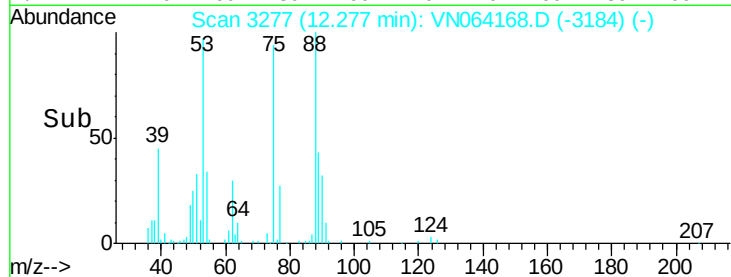
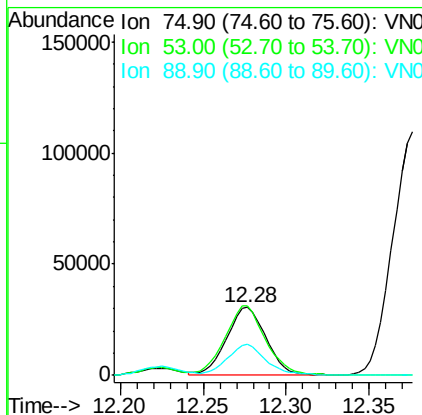
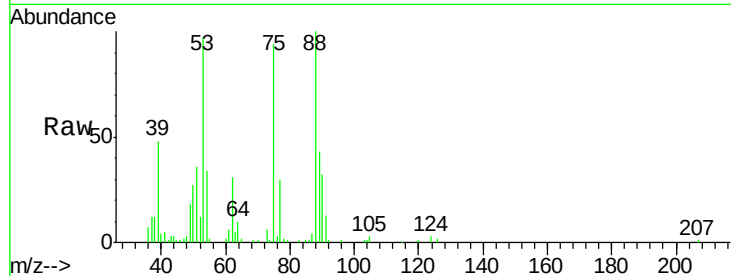
ClientSampleId :

VN1016WBSD01

Tot Ion:	75	Resp:	49611
Ion Ratio	Lower	Upper	
75	100		
53	108.7	75.7	113.5
89	44.9	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.706 ug/l

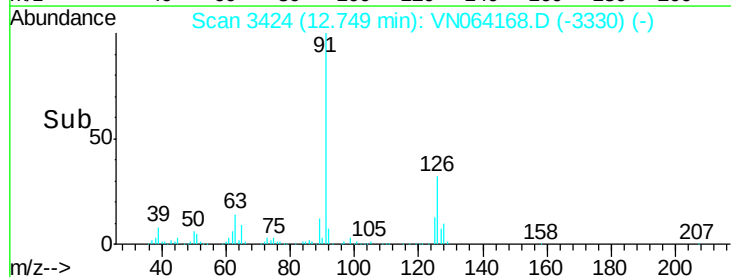
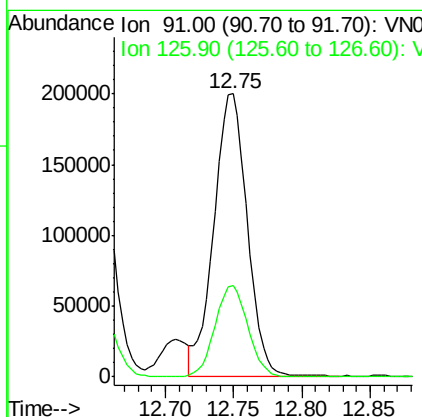
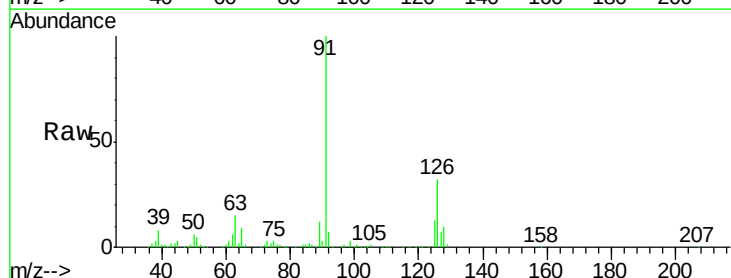
RT: 12.75 min Scan# 3424

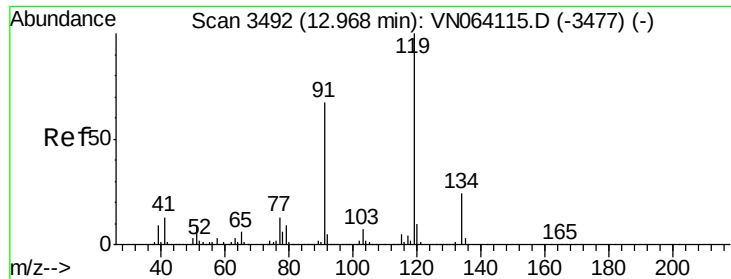
Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Tgt Ion:	91	Resp:	338413
Ion Ratio	Lower	Upper	
91	100		
126	31.8	17.1	51.2





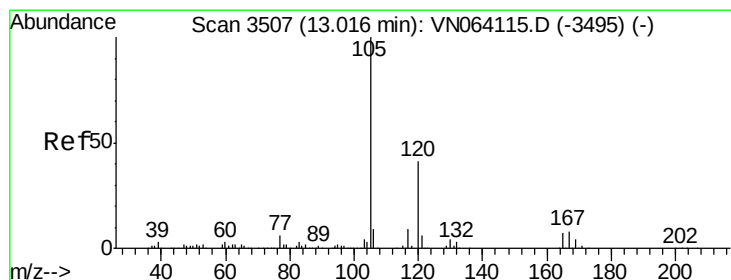
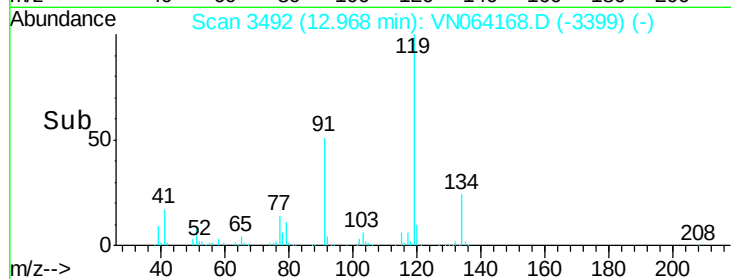
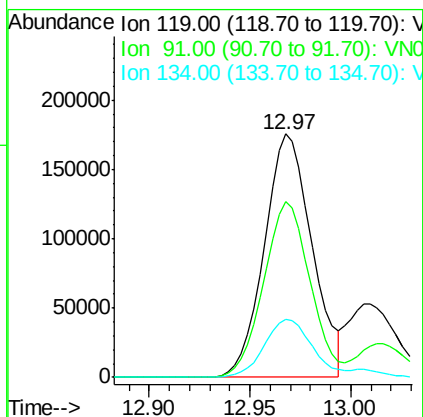
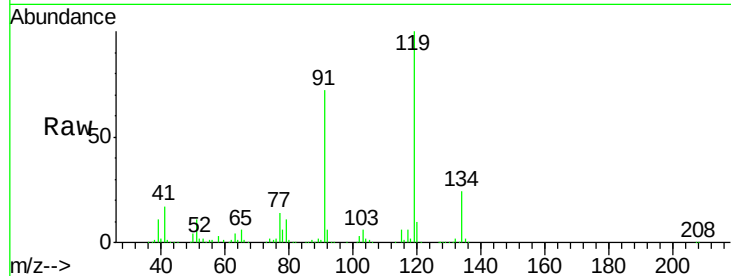
#83
 tert-Butylbenzene
 Concen: 19.048 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	288861		
91	70.0		32.6	98.0
134	23.8		13.0	39.0

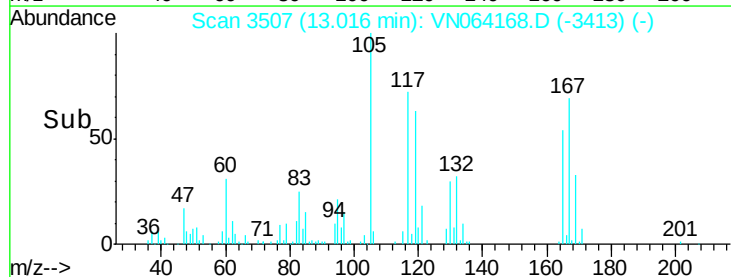
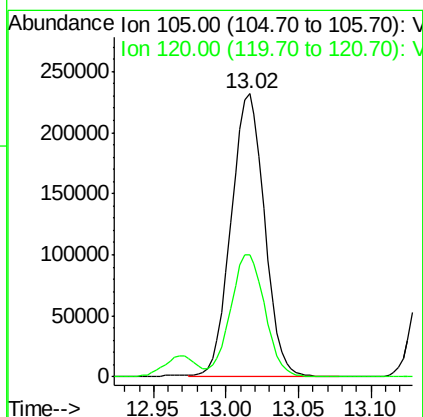
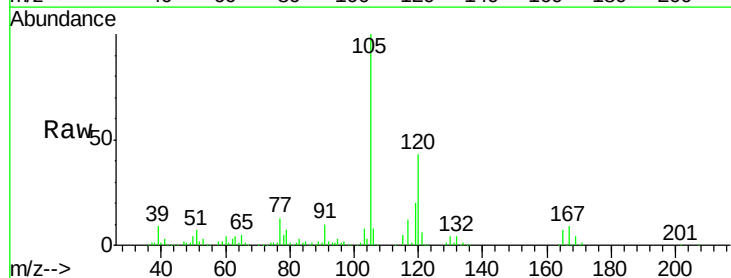
Manual Integrations
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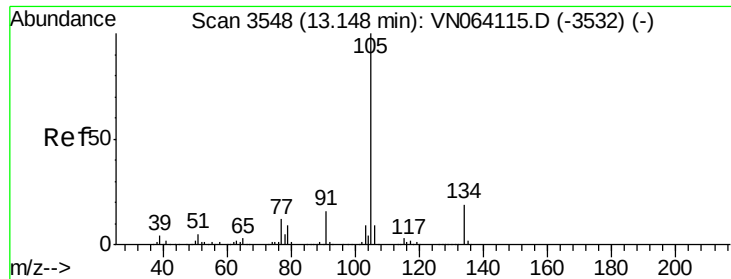
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.358 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	367804		
120	44.5		22.8	68.4





#85

sec-Butylbenzene

Concen: 19.920 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBSD01

Tot Ion:105 Resp: 388335

Ion Ratio Lower Upper

105 100

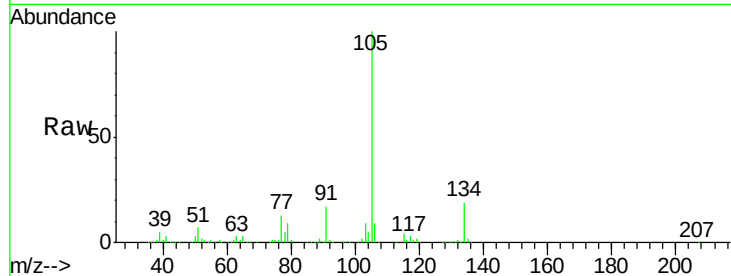
134 19.5 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

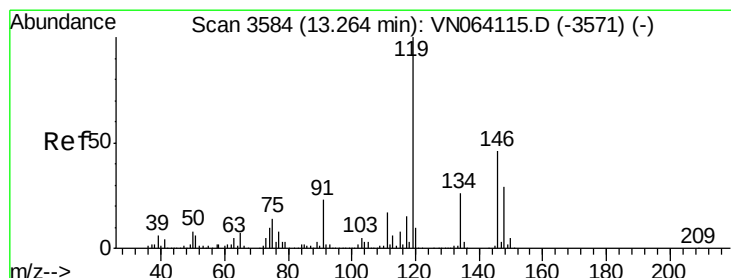
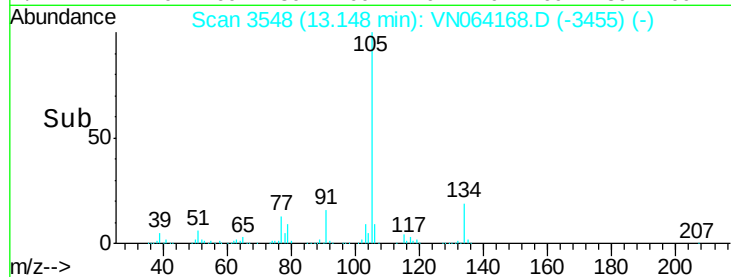
0

13.10

13.15

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 19.045 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

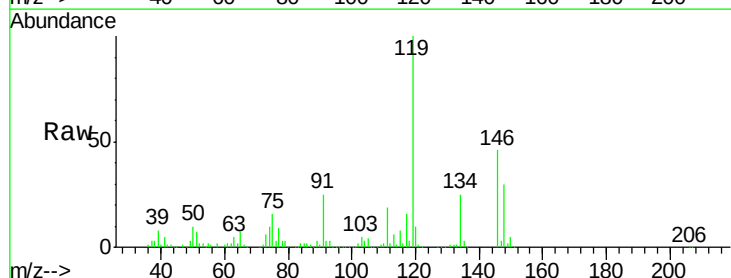
Tgt Ion:119 Resp: 343512

Ion Ratio Lower Upper

119 100

134 25.3 13.2 39.5

91 24.8 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

100000

50000

0

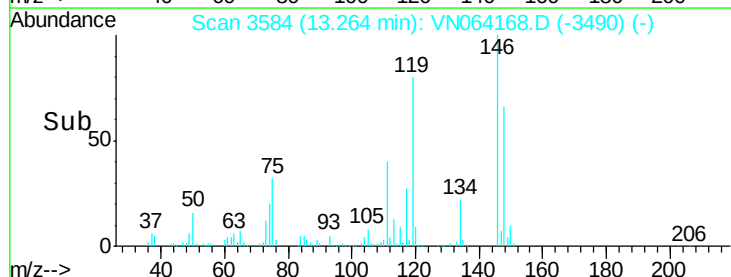
13.20

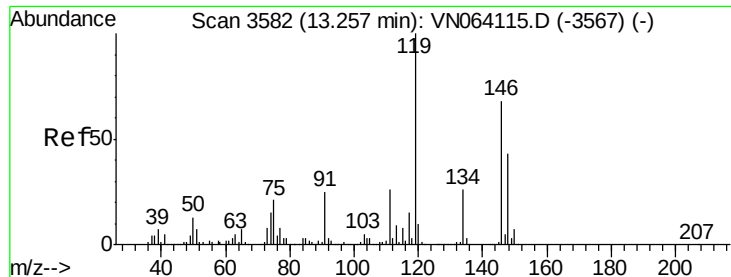
13.25

13.30

13.35

Time-->





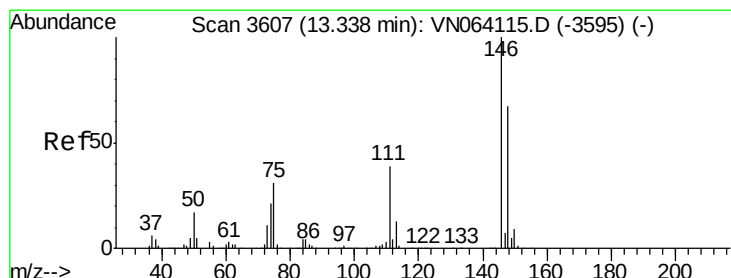
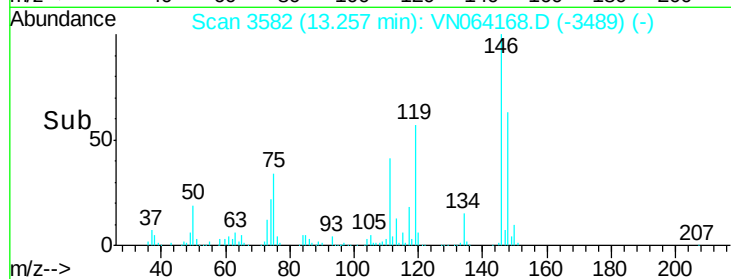
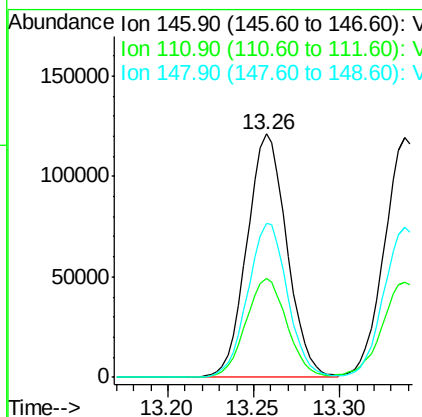
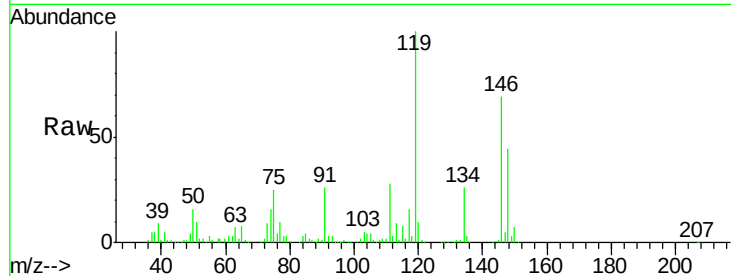
#87
 1,3-Dichlorobenzene
 Concen: 18.933 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.7	59.1
148	63.2	32.0	96.2

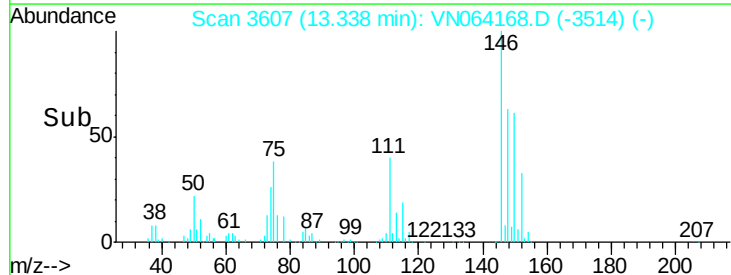
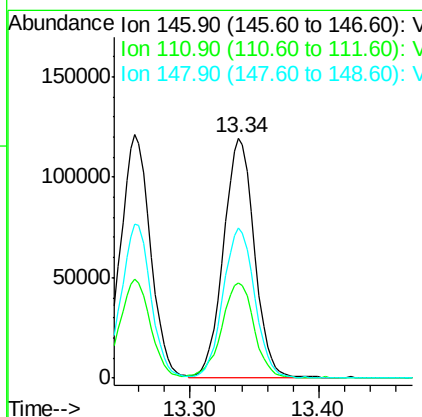
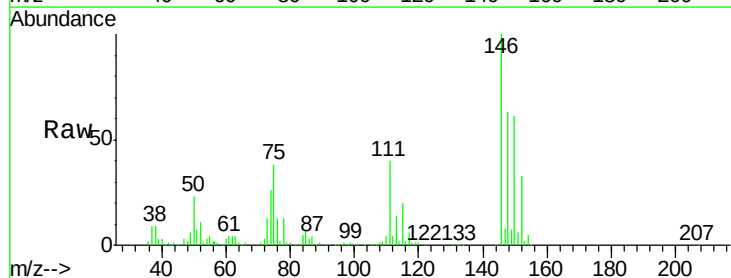
Manual Integrations
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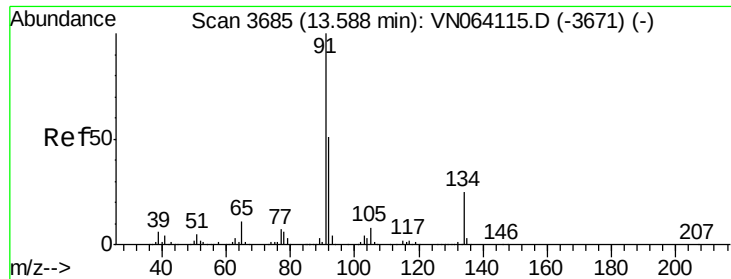
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#88
 1,4-Dichlorobenzene
 Concen: 18.674 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	19.3	57.9
148	63.6	32.1	96.5





#89

n-Butylbenzene

Concen: 20.261 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Instrument :

MSVOA_N

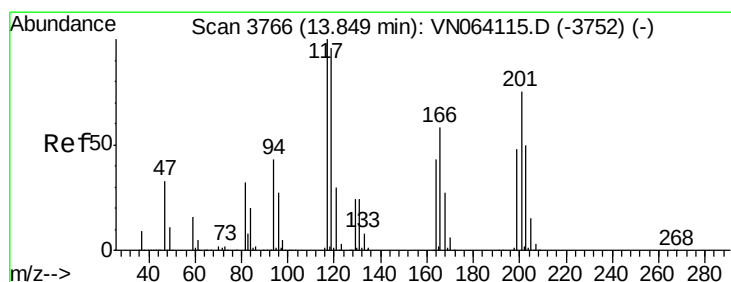
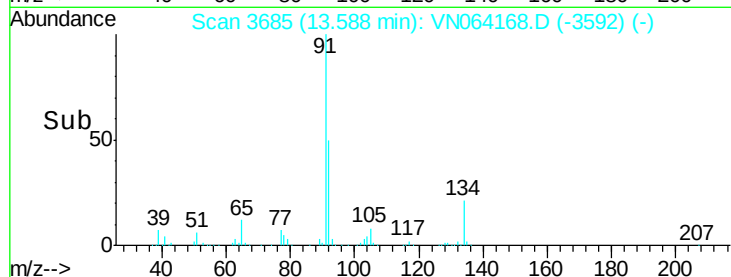
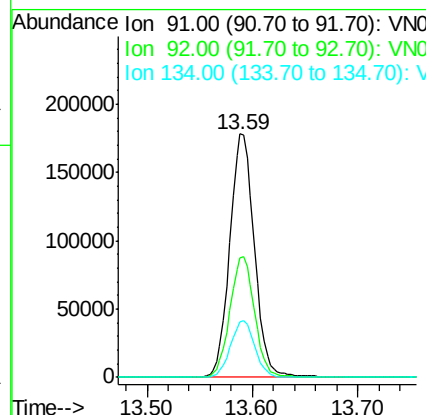
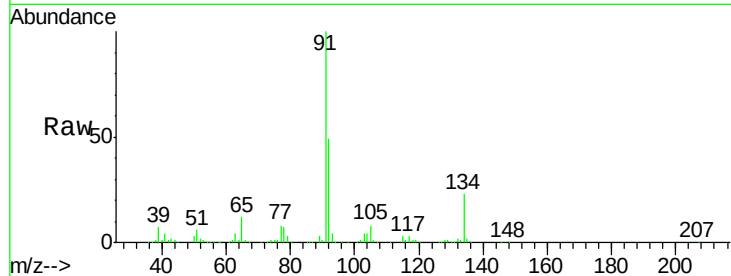
ClientSampleId :

VN1016WBSD01

Tot Ion:	91	Resp:	287810
Ion Ratio	Lower	Upper	
91	100		
92	49.7	25.6	76.6
134	23.0	12.6	37.8

Manual Integrations
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#90

Hexachloroethane

Concen: 19.485 ug/l

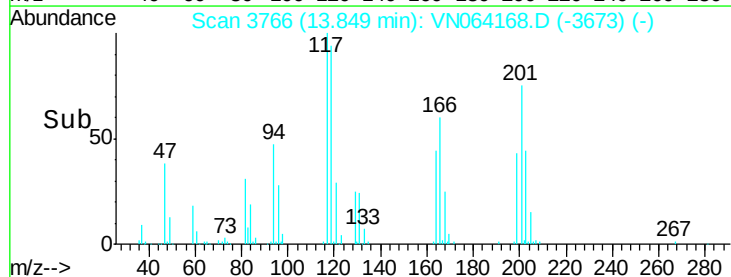
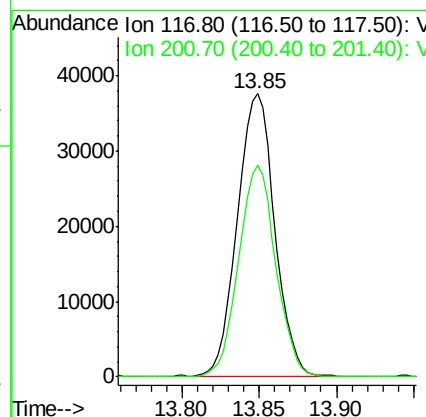
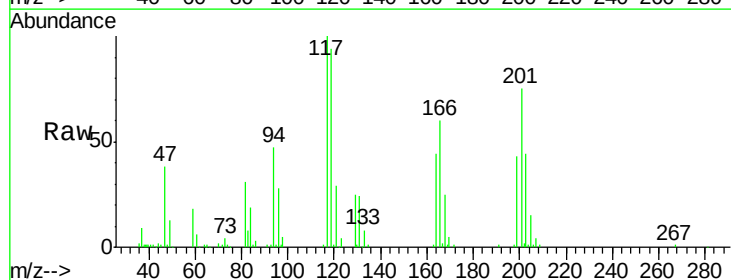
RT: 13.85 min Scan# 3766

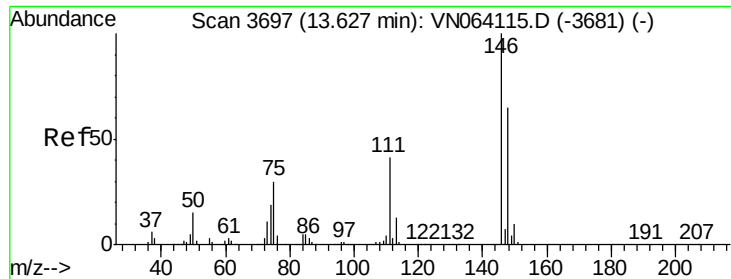
Delta R.T. 0.00 min

Lab File: VN064168.D

Acq: 16 Oct 2020 16:45

Tgt Ion:	117	Resp:	63218
Ion Ratio	Lower	Upper	
117	100		
201	74.0	37.4	112.2





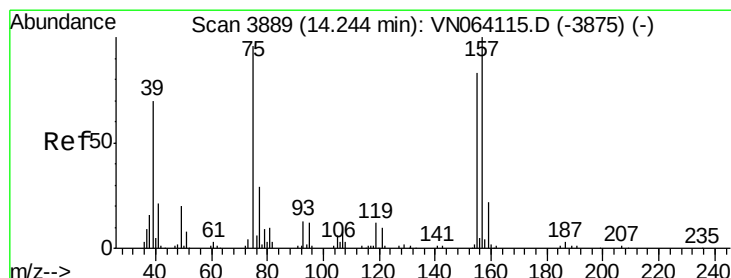
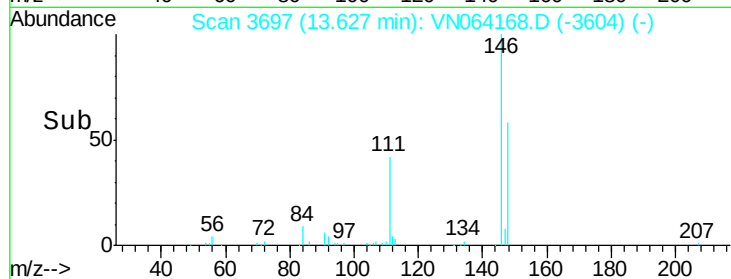
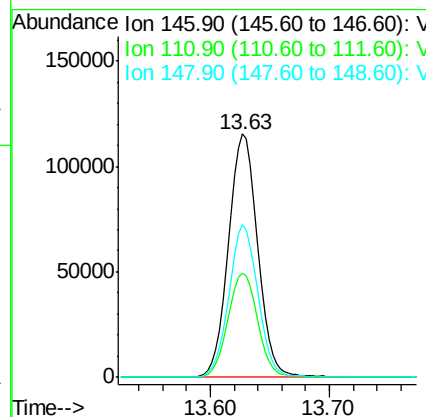
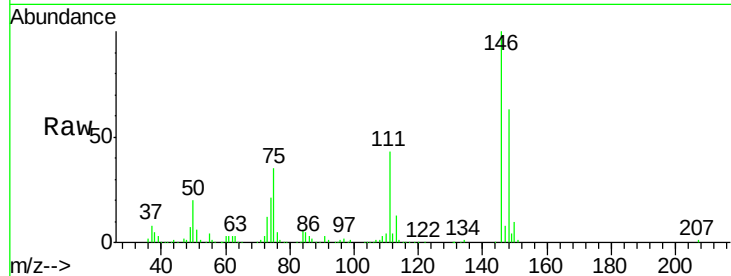
#91
 1,2-Dichlorobenzene
 Concen: 19.139 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.3	60.8
148	62.2	32.2	96.6

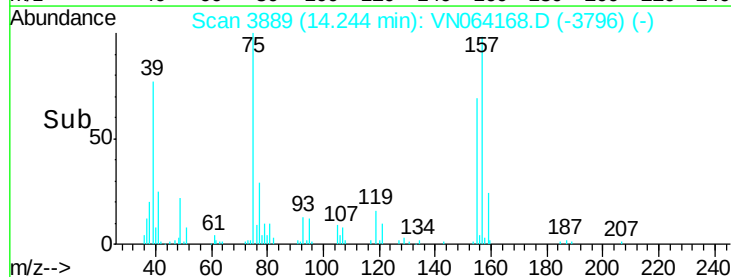
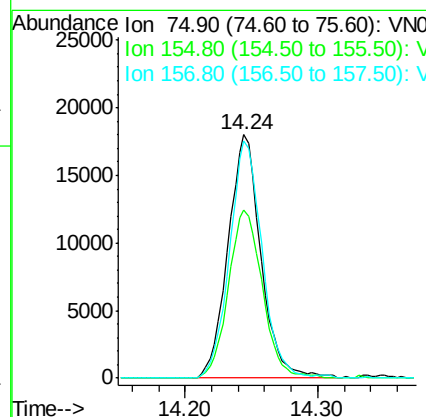
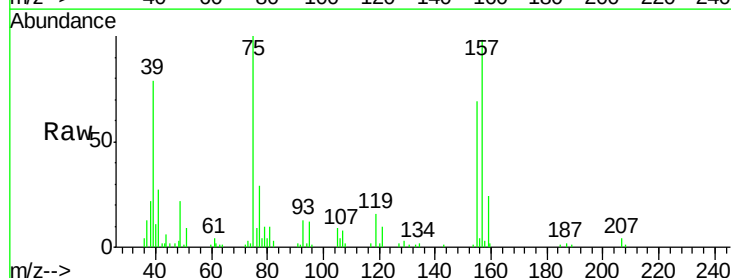
Manual Integrations
 APPROVED

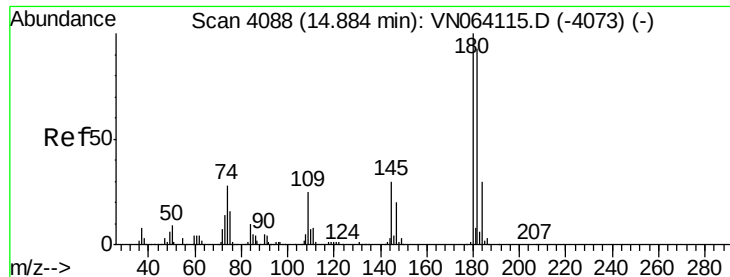
MMDadoda
 10/19/2020 4:22:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.498 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.2	40.8	122.2
157	95.8	53.9	161.7





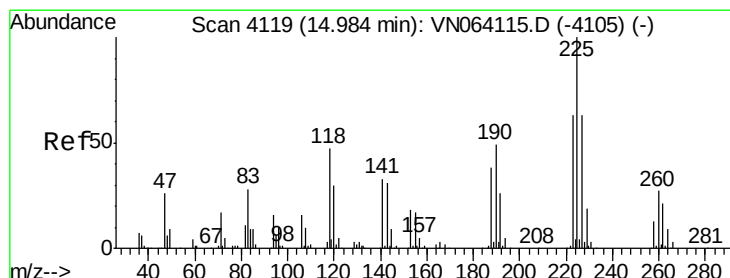
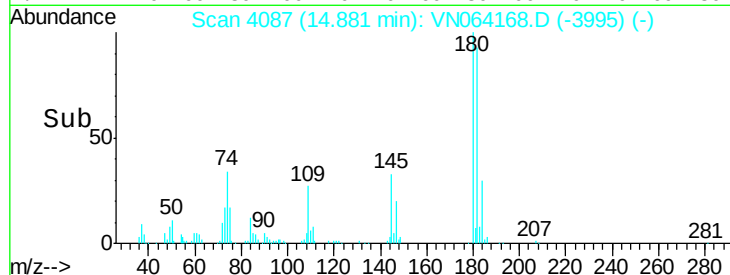
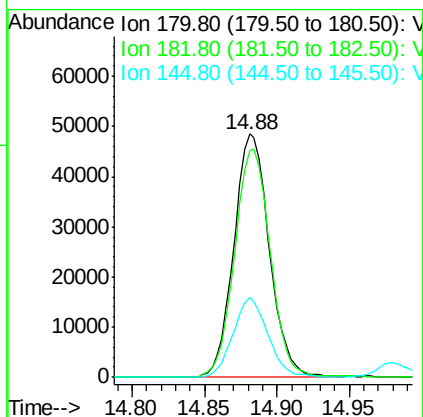
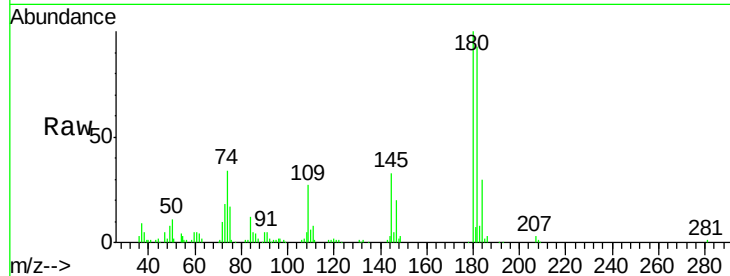
#93
 1,2,4-Trichlorobenzene
 Concen: 18.453 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	82368		
182	94.4	45.8	137.4	
145	32.1	15.4	46.1	

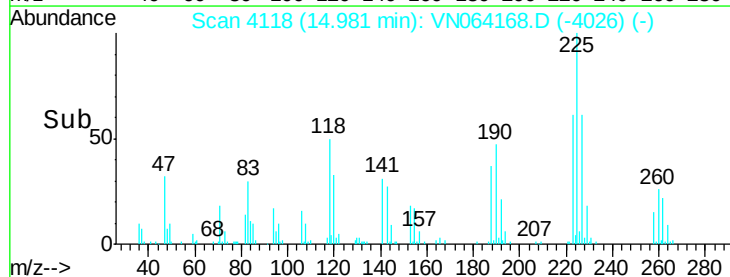
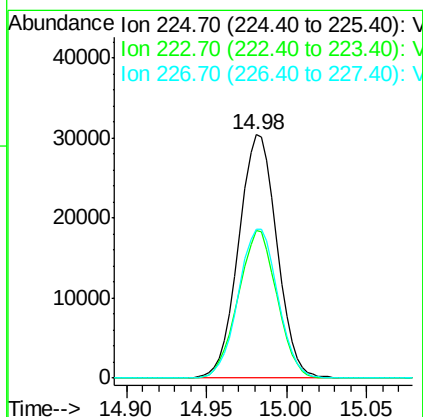
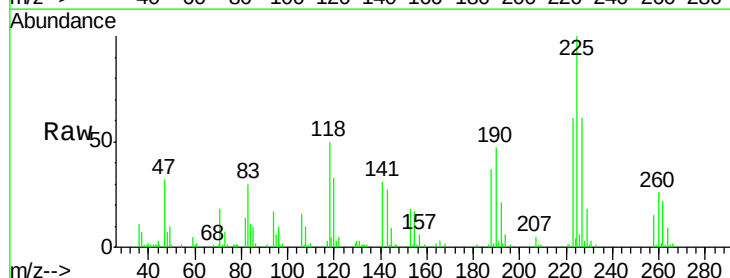
Manual Integrations
 APPROVED

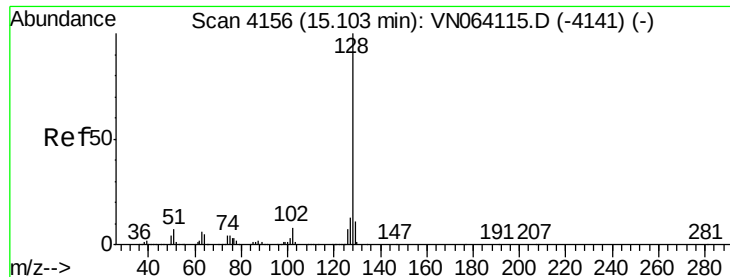
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 20.278 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064168.D
 Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	49683		
223	61.1	32.3	96.9	
227	63.1	31.6	94.8	





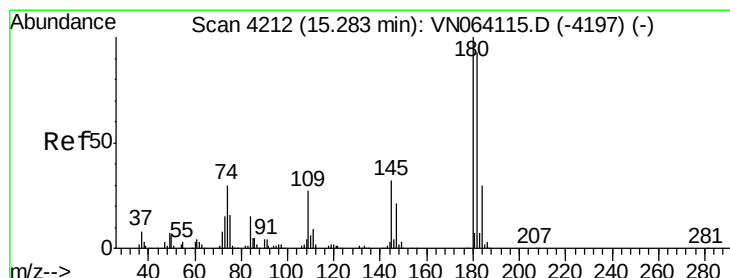
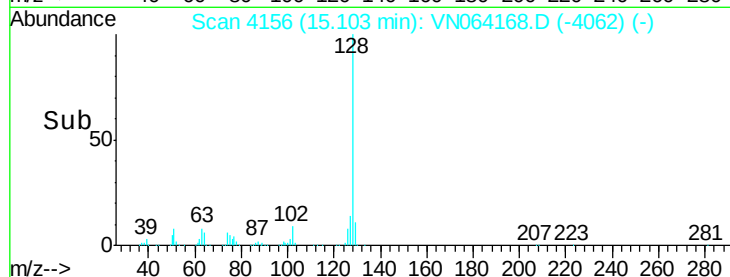
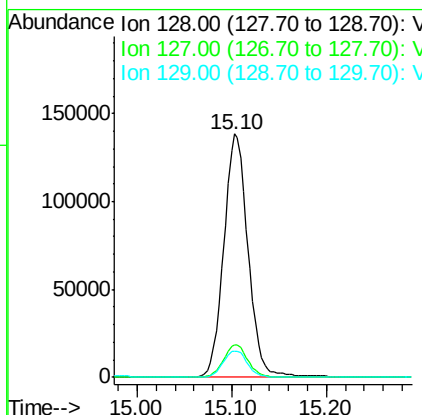
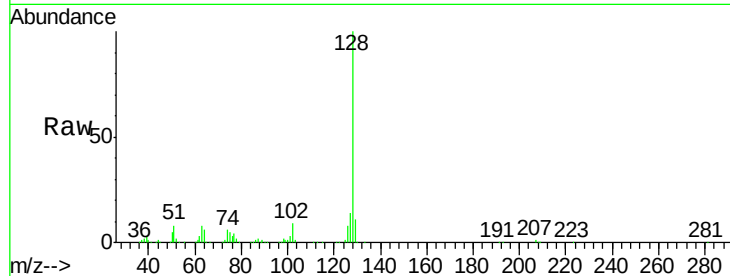
#95
Naphthalene
Concen: 18.574 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/19/2020 4:22:25 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.297 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064168.D
Acq: 16 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	46.6	139.8
145	32.1	16.1	48.2

