

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021820\
 Data File : VN060136.D
 Acq On : 18 Feb 2020 12:08
 Operator : JC/MD
 Sample : VN0218MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 5:06:10 PM

Quant Time: Feb 18 12:32:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	280957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	261206	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112517	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.56	113	89780	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
50) Toluene-d8	10.08	98	340537	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
62) 4-Bromofluorobenzene	12.40	95	122852	49.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33874	19.173	ug/l	97
3) Chloromethane	2.03	50	41682	19.825	ug/l	99
4) Vinyl Chloride	2.17	62	46354	19.342	ug/l	97
5) Bromomethane	2.55	94	28383	19.315	ug/l	98
6) Chloroethane	2.69	64	22665	18.698	ug/l	91
7) Trichlorofluoromethane	3.00	101	57432	18.587	ug/l	98
8) Diethyl Ether	3.38	74	21025	20.442	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32591	18.998	ug/l	99
10) Methyl Iodide	3.93	142	44238	20.723	ug/l	98
11) Tert butyl alcohol	4.73	59	34920	108.495	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31674	18.953	ug/l	99
13) Acrolein	3.58	56	25241	79.340	ug/l	97
14) Allyl chloride	4.29	41	46043	18.719	ug/l	98
15) Acrylonitrile	4.95	53	83317	105.998	ug/l	99
16) Acetone	3.78	43	83003	88.473	ug/l	100
17) Carbon Disulfide	4.03	76	92713	18.406	ug/l	100
18) Methyl Acetate	4.29	43	37397	21.220	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	113532	20.201	ug/l	100
20) Methylene Chloride	4.52	84	36739	19.628	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	34729	19.064	ug/l	99
22) Diisopropyl ether	5.91	45	107894	20.015	ug/l	99
23) Vinyl Acetate	5.86	43	457795	101.128	ug/l	99
24) 1,1-Dichloroethane	5.82	63	64212	19.663	ug/l	98
25) 2-Butanone	6.80	43	116020	98.328	ug/l	98
26) 2,2-Dichloropropane	6.80	77	58322	18.803	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	41087	19.272	ug/l	99
28) Bromochloromethane	7.17	49	25439	19.815	ug/l	100
29) Tetrahydrofuran	7.18	42	73903	102.096	ug/l	99
30) Chloroform	7.35	83	66201	19.353	ug/l	100
31) Cyclohexane	7.63	56	58191	19.129	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	58132	18.596	ug/l	98
36) 1,1-Dichloropropene	7.77	75	48368	18.586	ug/l	100
37) Ethyl Acetate	6.90	43	47601	20.239	ug/l	100
38) Carbon Tetrachloride	7.75	117	52080	18.427	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58776	18.195	ug/l	98
40) Benzene	8.02	78	145686	18.872	ug/l	99
41) Methacrylonitrile	7.18	41	69673	70.639	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	54230	20.044	ug/l	99
43) Isopropyl Acetate	8.14	43	81159	20.187	ug/l	99
44) Trichloroethene	8.82	130	40152	18.785	ug/l	98
45) 1,2-Dichloropropane	9.10	63	37578	19.662	ug/l	100
46) Dibromomethane	9.19	93	27537	20.389	ug/l	98
47) Bromodichloromethane	9.39	83	53088	19.334	ug/l	98
48) Methyl methacrylate	9.18	41	35688	19.785	ug/l	97
49) 1,4-Dioxane	9.18	88	14132	458.533	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	237194	101.928	ug/l	99
52) Toluene	10.14	92	92150	18.615	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	60167	19.413	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	63280	19.389	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	37841	19.594	ug/l	98
56) Ethyl methacrylate	10.42	69	53845	19.709	ug/l	98
57) 1,3-Dichloropropane	10.70	76	62698	19.675	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	129175	101.494	ug/l	99
59) 2-Hexanone	10.74	43	172775	96.114	ug/l	99
60) Dibromochloromethane	10.89	129	43245	19.513	ug/l	99
61) 1,2-Dibromoethane	11.00	107	40149	19.832	ug/l	99
64) Tetrachloroethene	10.62	164	37557	18.914	ug/l	99
65) Chlorobenzene	11.43	112	101343	19.043	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	39072	19.408	ug/l	99
67) Ethyl Benzene	11.51	91	181129	18.871	ug/l	99
68) m/p-Xylenes	11.62	106	134584	37.361	ug/l	99
69) o-Xylene	11.94	106	65860	18.988	ug/l	99
70) Styrene	11.96	104	104111	18.614	ug/l	99
71) Bromoform	12.12	173	31255	19.303	ug/l #	99
73) Isopropylbenzene	12.25	105	175499	18.313	ug/l	100
74) N-amyl acetate	12.07	43	67604	19.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	54671	19.819	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	73073	29.761	ug/l #	100
77) Bromobenzene	12.52	156	44760	18.820	ug/l	98
78) n-propylbenzene	12.59	91	198897	18.216	ug/l	100
79) 2-Chlorotoluene	12.67	91	117178	18.259	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	149672	18.784	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19138	19.085	ug/l	96
82) 4-Chlorotoluene	12.77	91	120268	18.266	ug/l	99
83) tert-Butylbenzene	12.99	119	126890	18.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	149351	18.988	ug/l	99
85) sec-Butylbenzene	13.17	105	168847	18.087	ug/l	100
86) p-Isopropyltoluene	13.29	119	156961	18.558	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78127	18.558	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	78852	18.734	ug/l	99
89) n-Butylbenzene	13.61	91	134477	18.077	ug/l	100
90) Hexachloroethane	13.87	117	28350	17.942	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	77259	18.752	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11569	19.250	ug/l	98

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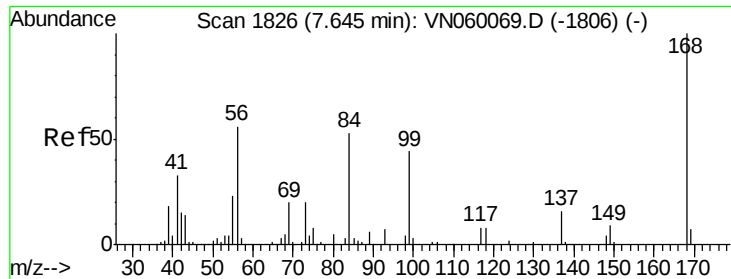
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47182	19.490	ug/l	98
94) Hexachlorobutadiene	15.01	225	26195	18.484	ug/l	99
95) Naphthalene	15.13	128	131863	20.165	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47347	19.640	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBS01

Tot Ion:168 Resp: 176756

Ion Ratio Lower Upper

168 100

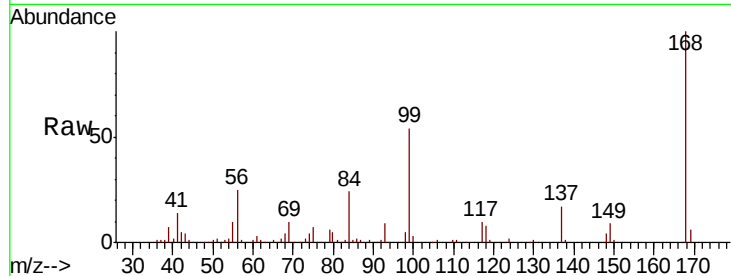
99 54.0 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

80000

60000

40000

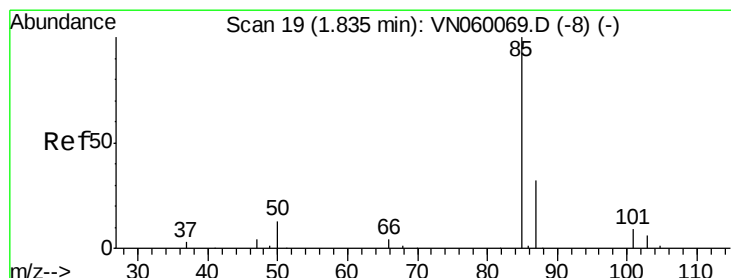
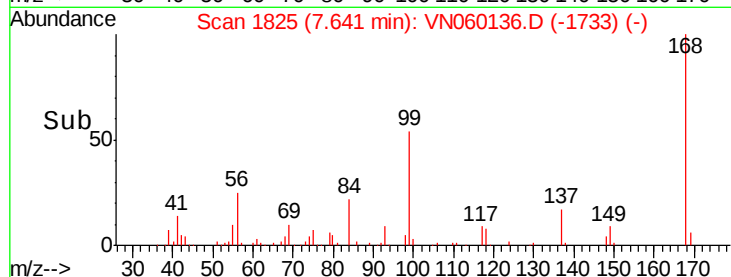
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.173 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060136.D

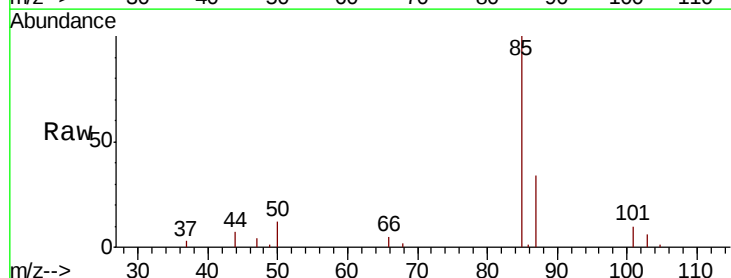
Acq: 18 Feb 2020 12:08

Tgt Ion: 85 Resp: 33874

Ion Ratio Lower Upper

85 100

87 33.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

25000

20000

15000

10000

5000

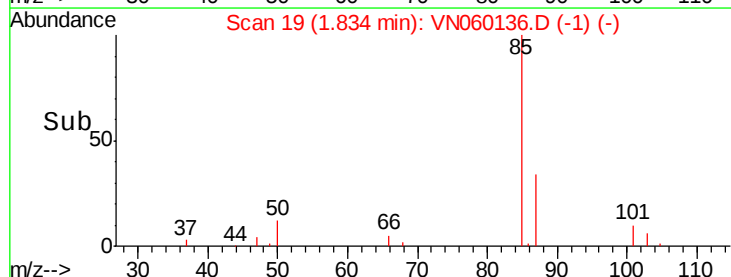
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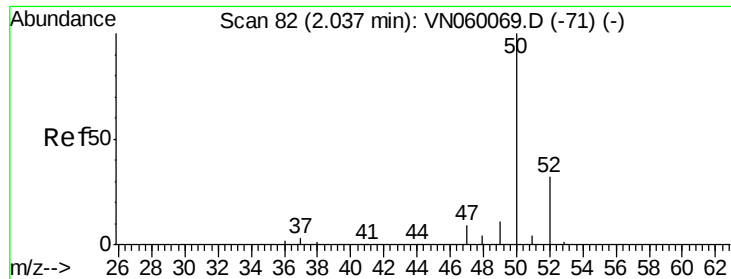
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 19.825 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBS01

Tot Ion: 50 Resp: 41682

Ion Ratio Lower Upper

50 100

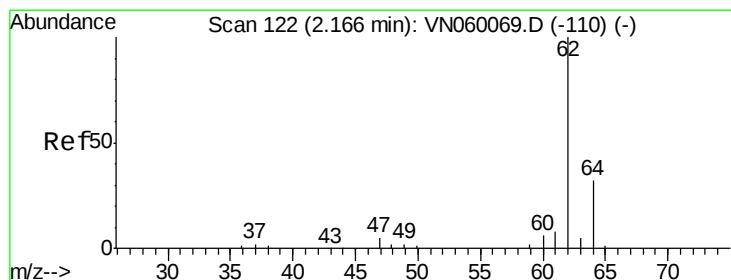
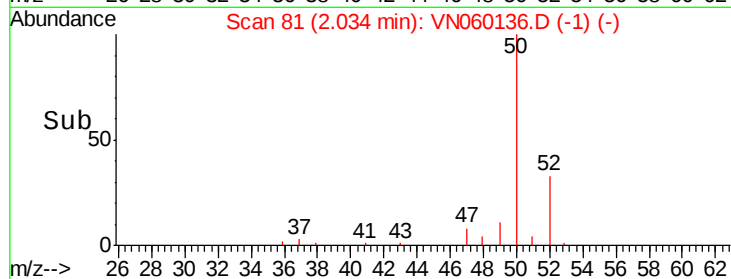
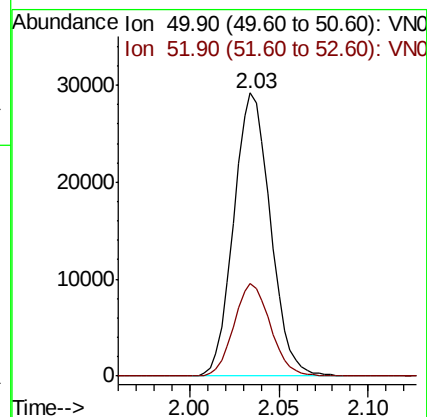
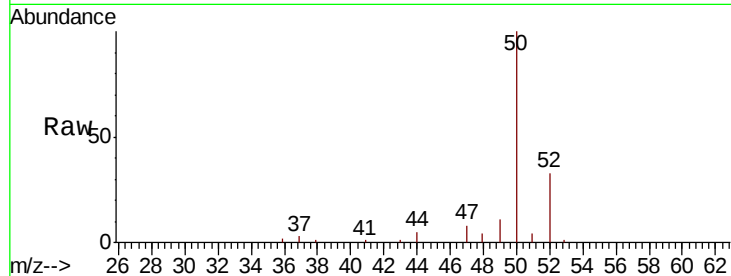
52 32.6 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.342 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060136.D

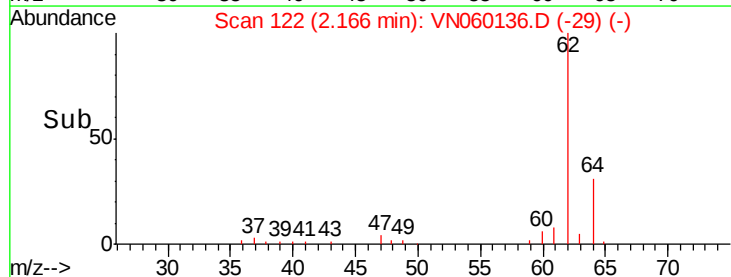
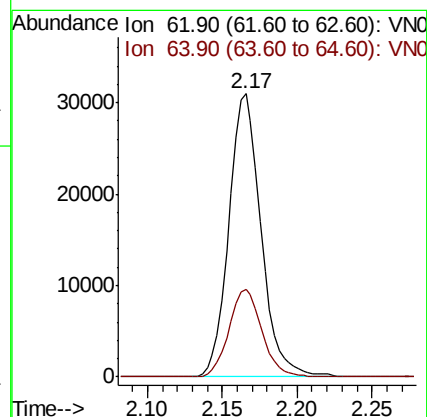
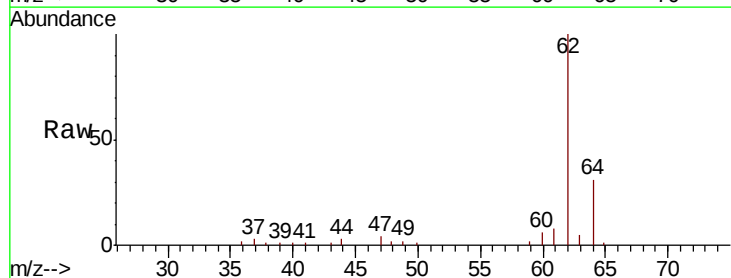
Acq: 18 Feb 2020 12:08

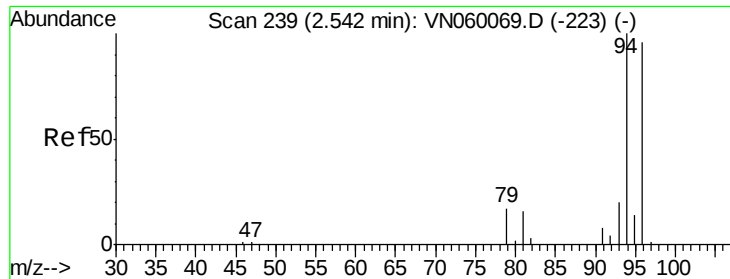
Tgt Ion: 62 Resp: 46354

Ion Ratio Lower Upper

62 100

64 30.9 25.9 38.9





#5

Bromomethane

Concen: 19.315 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBS01

Tot Ion: 94 Resp: 28383

Ion Ratio Lower Upper

94 100

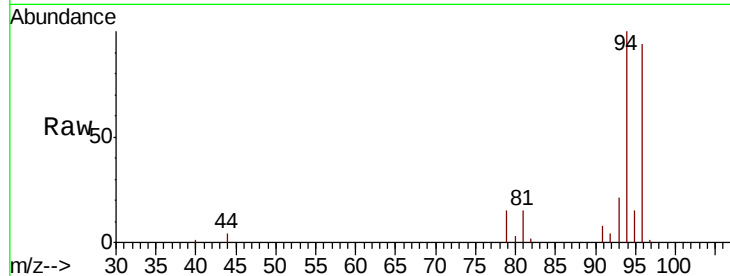
96 93.6 76.7 115.1

Manual Integrations

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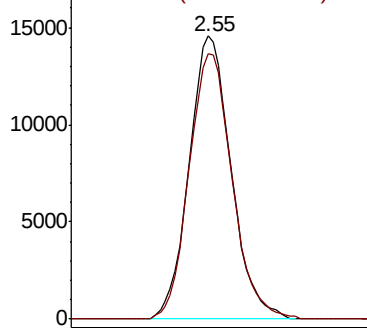
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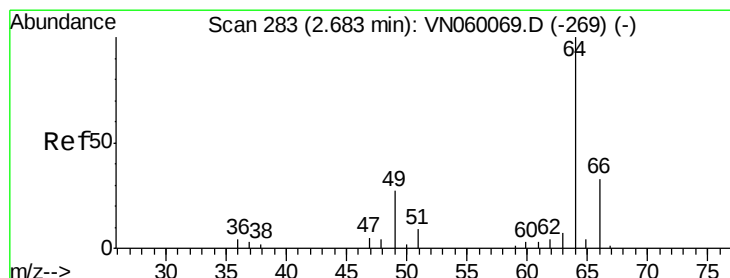
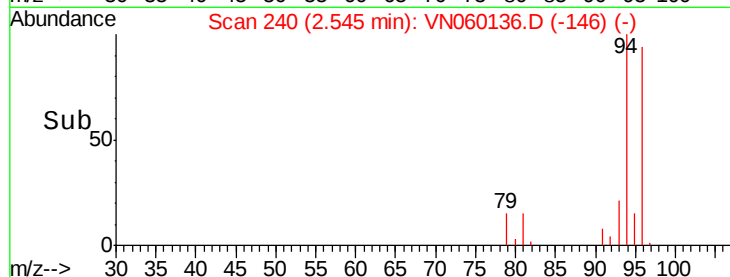


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 18.698 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060136.D

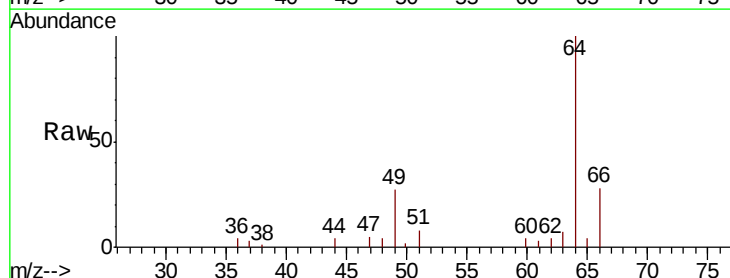
Acq: 18 Feb 2020 12:08

Tgt Ion: 64 Resp: 22665

Ion Ratio Lower Upper

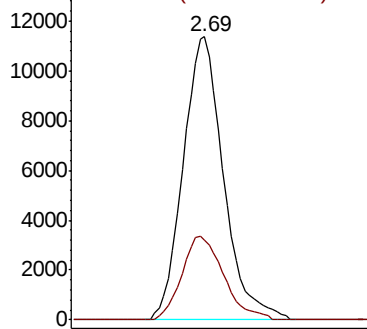
64 100

66 28.3 26.6 40.0

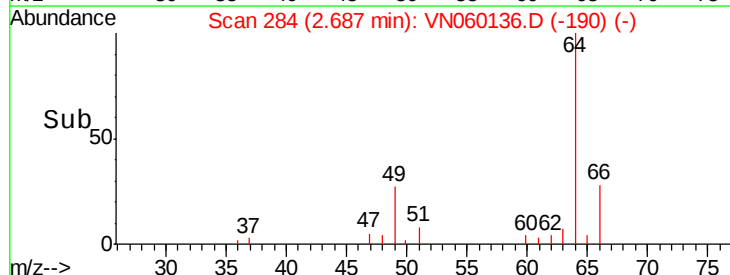


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

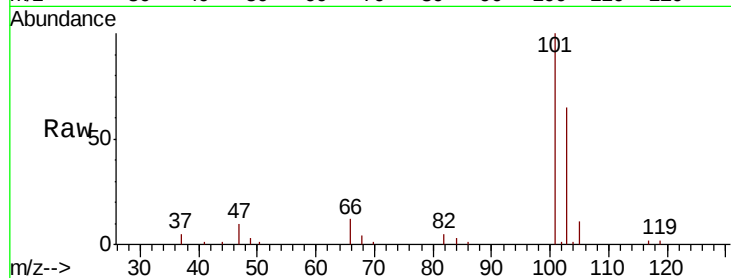
Trichlorofluoromethane
Concen: 18.587 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

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VN0218MBS01

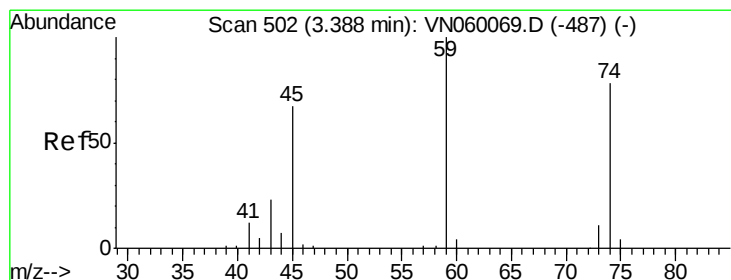
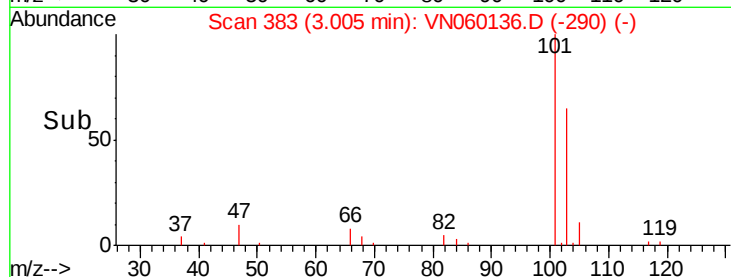
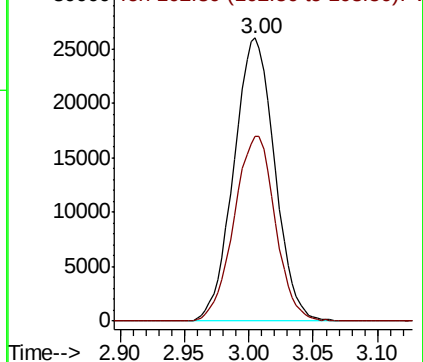
Tot Ion:101 Resp: 57432
Ion Ratio Lower Upper
101 100
103 65.5 51.0 76.6

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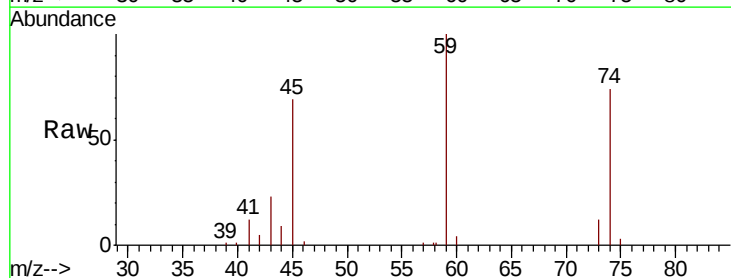
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



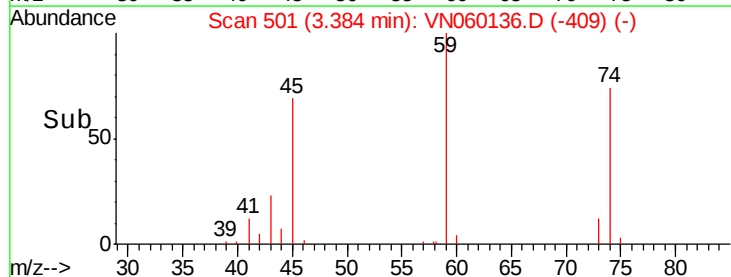
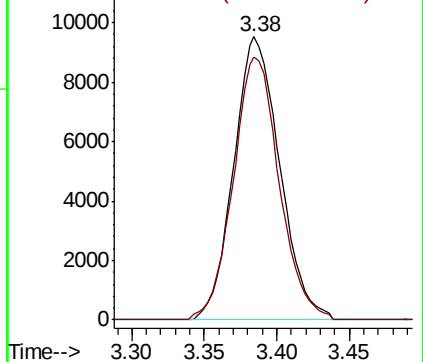
#8

Diethyl Ether
Concen: 20.442 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion: 74 Resp: 21025
Ion Ratio Lower Upper
74 100
45 92.6 44.7 134.1



Abundance Ion 74.00 (73.70 to 74.70): V
Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.998 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

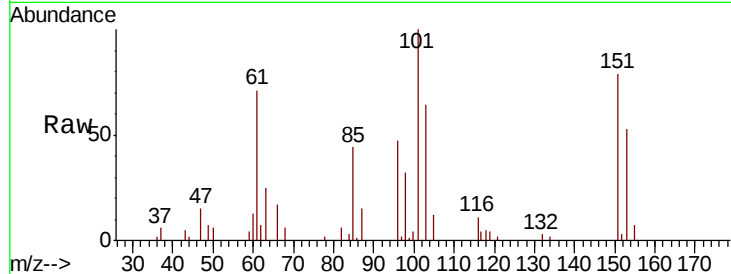
ClientSampled :

VN0218MBS01

Tot Ion:	101	Resp:	32591
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.1	52.7
151	82.1	65.8	98.6

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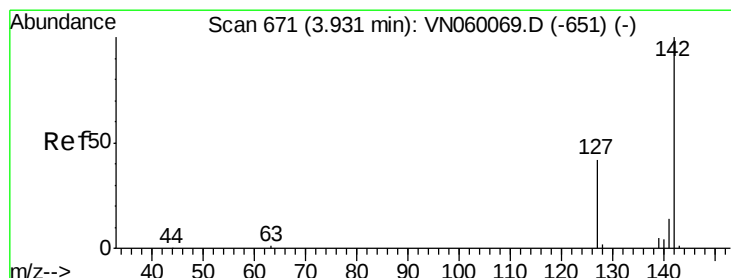
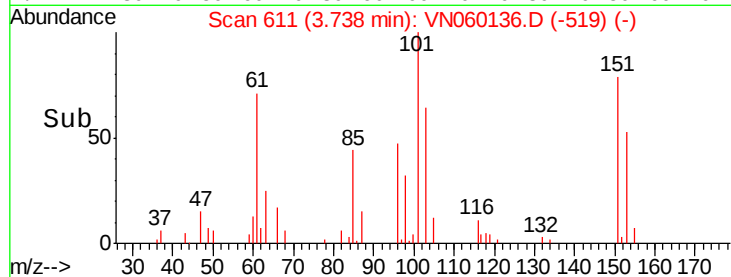
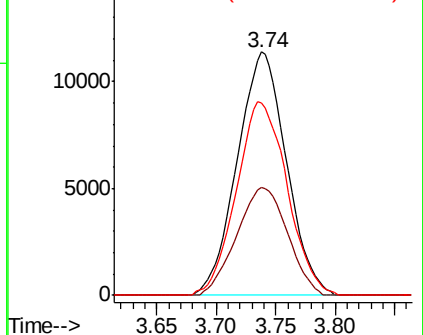


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.723 ug/l

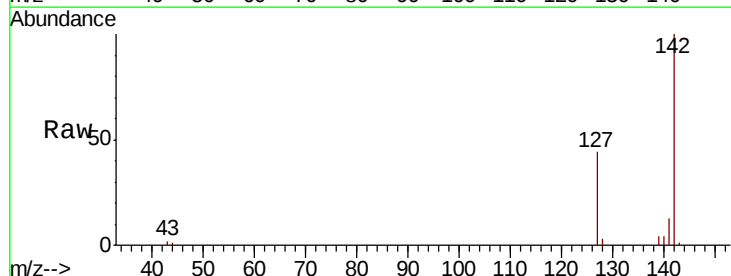
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	142	Resp:	44238
Ion Ratio	Lower	Upper	
142	100		
127	43.5	33.6	50.4
141	14.0	11.4	17.2

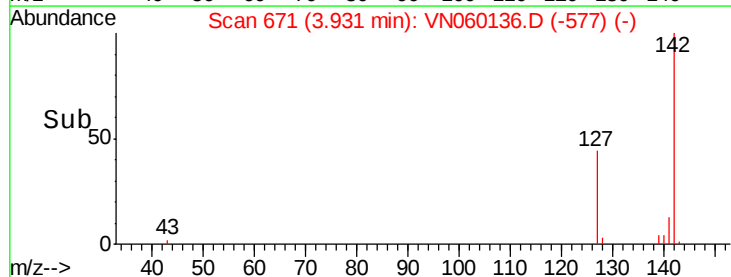
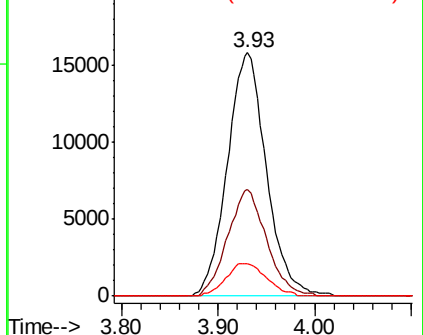


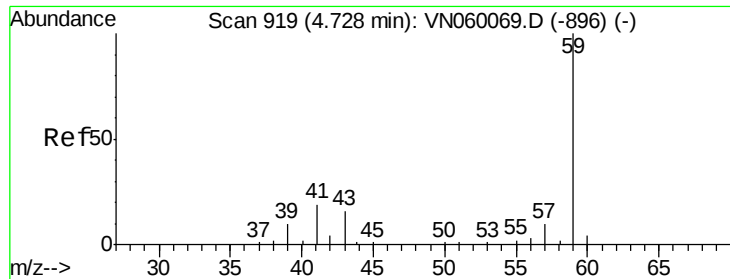
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





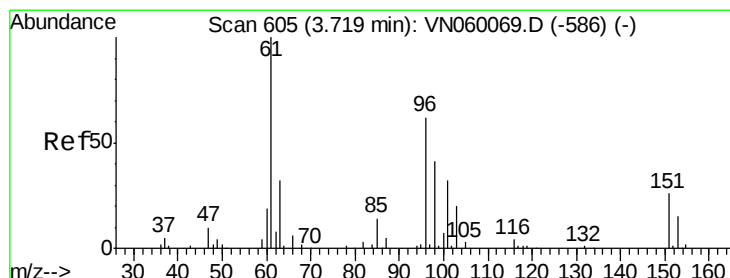
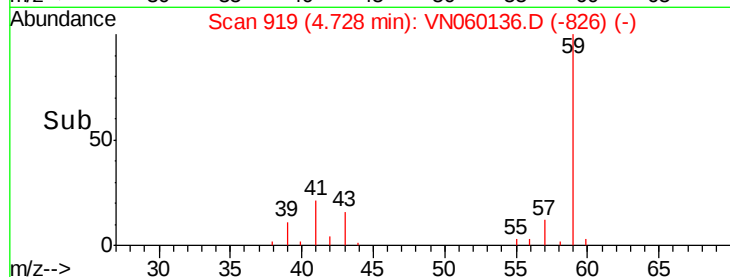
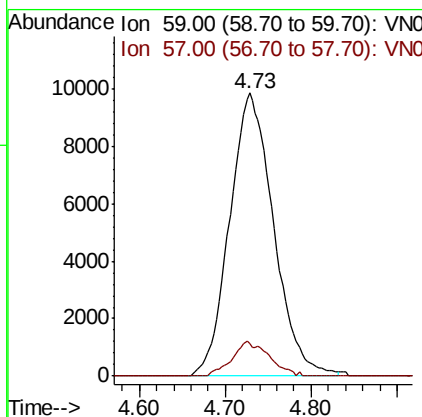
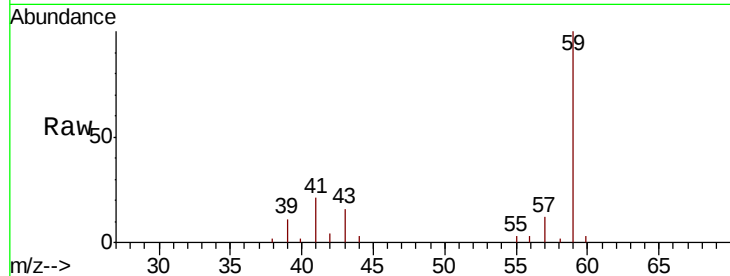
#11
Tert butyl alcohol
Concen: 108.495 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

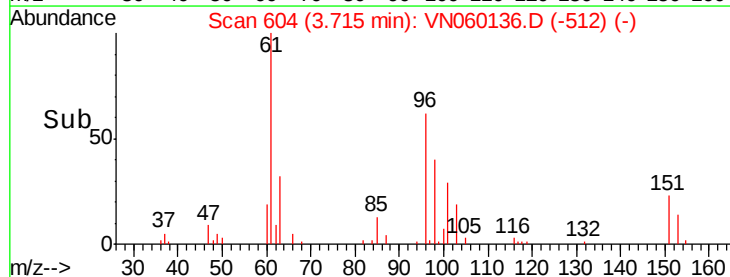
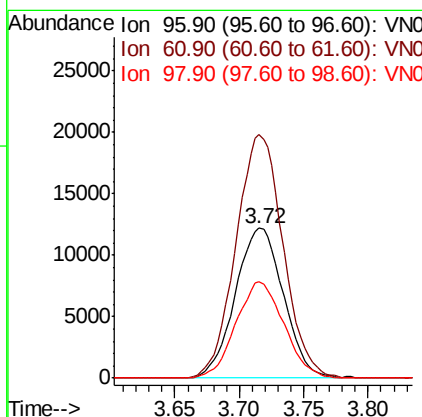
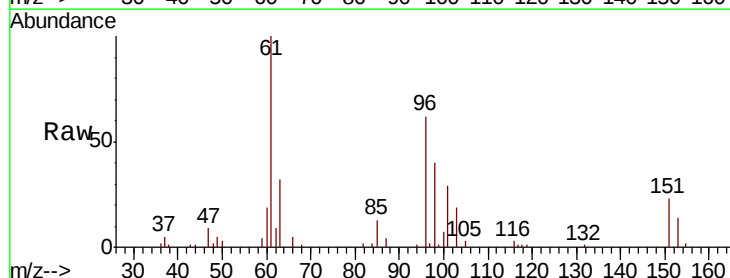
Manual Integrations
APPROVED

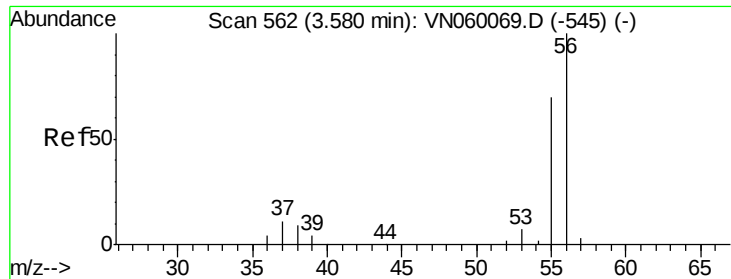
MMDadoda
2/19/2020 5:06:10 PM



#12
1,1-Dichloroethene
Concen: 18.953 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	128.3	192.5
98	64.4	52.2	78.4





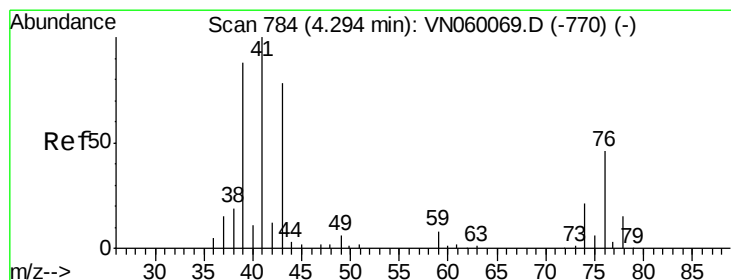
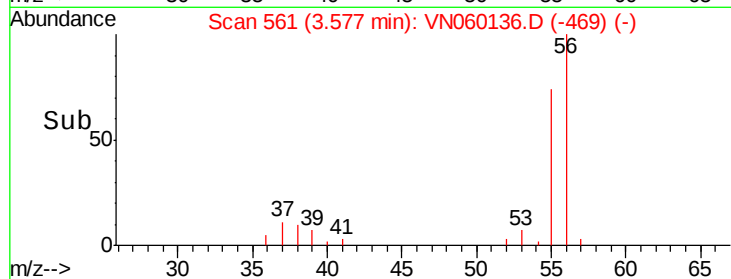
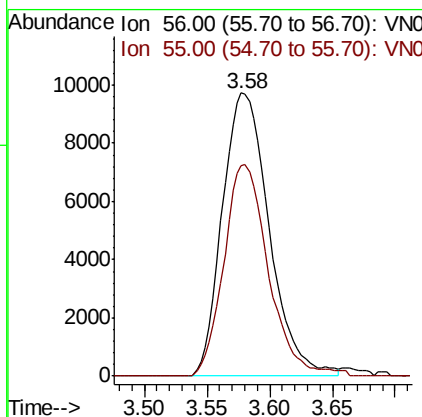
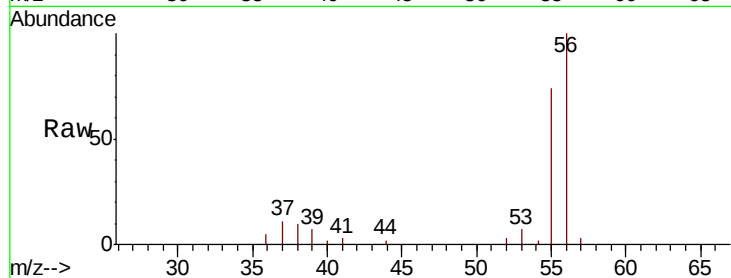
#13
Acrolein
Concen: 79.340 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	56	Resp	25241
Ion Ratio	Lower	Upper	
56	100		
55	71.3	54.8	82.2

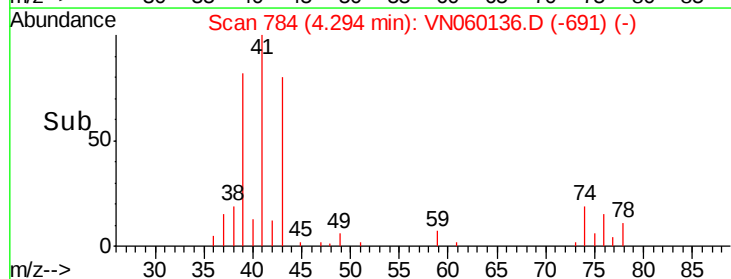
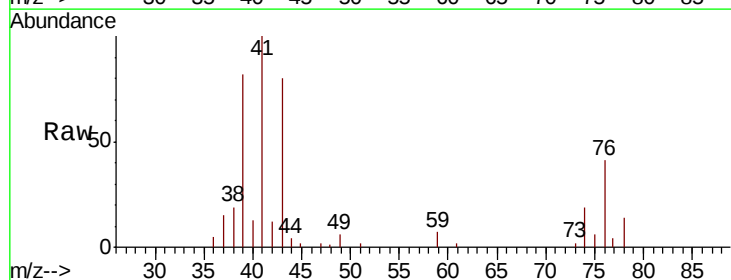
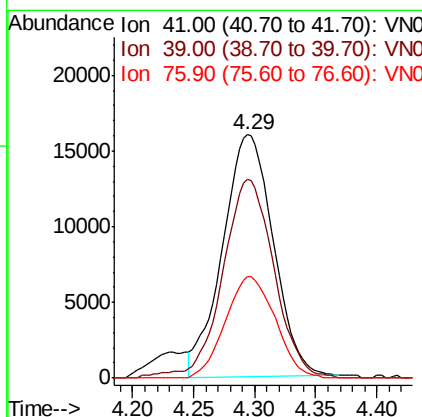
Manual Integrations
APPROVED

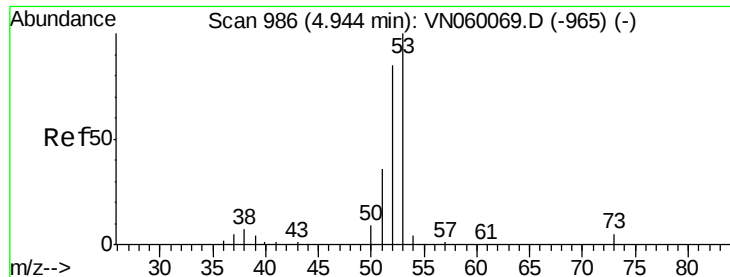
MMDadoda
2/19/2020 5:06:10 PM



#14
Allyl chloride
Concen: 18.719 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	41	Resp	46043
Ion Ratio	Lower	Upper	
41	100		
39	83.5	67.8	101.8
76	41.2	33.9	50.9





#15

Acrylonitrile

Concen: 105.998 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

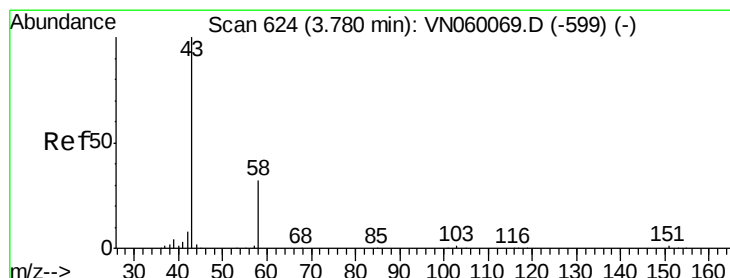
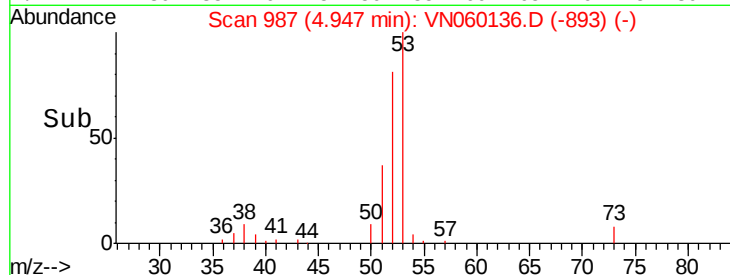
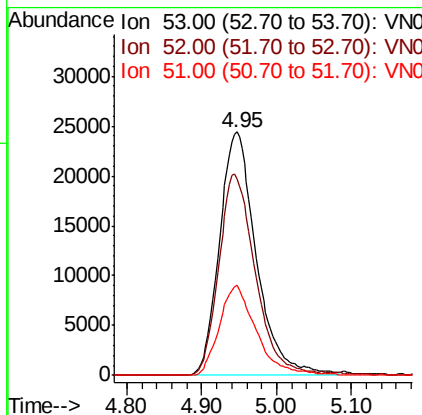
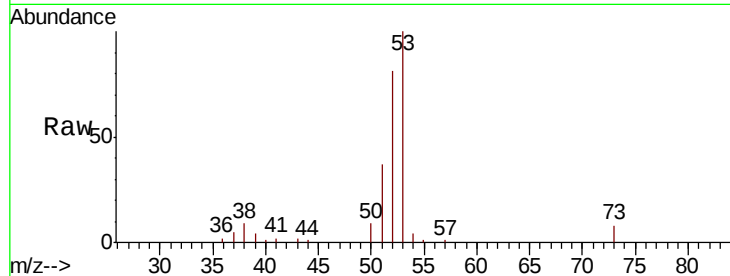
ClientSampleId :

VN0218MBS01

Tot Ion:	53	Resp:	83317
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.8	100.2
51	37.0	29.4	44.0

Manual Integrations
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2/19/2020 5:06:10 PM



#16

Acetone

Concen: 88.473 ug/l

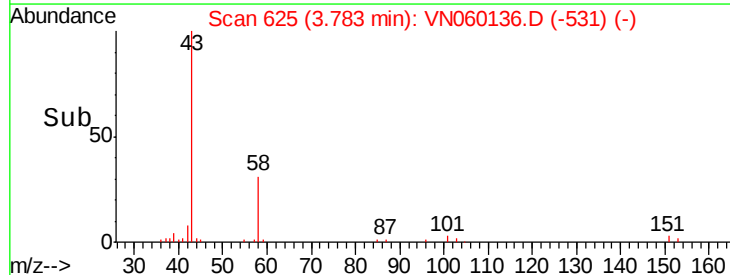
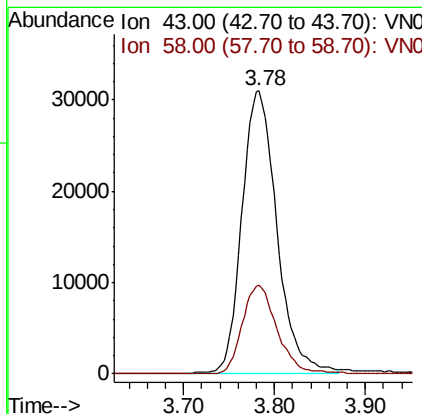
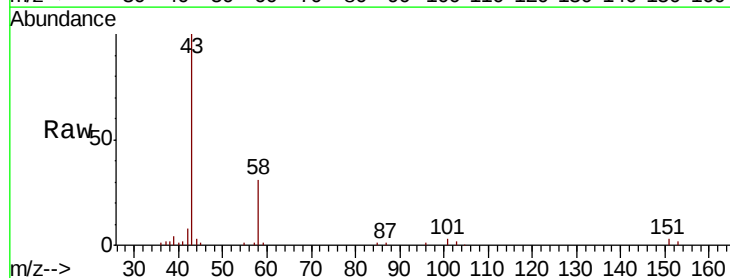
RT: 3.78 min Scan# 625

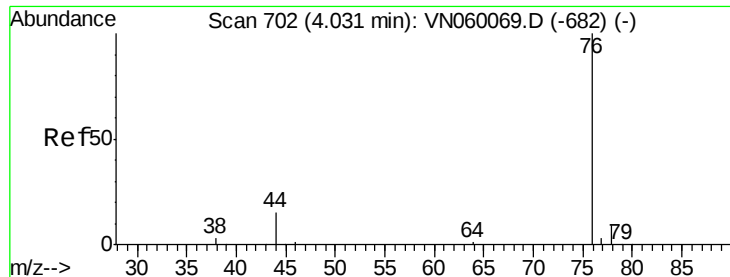
Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	43	Resp:	83003
Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.2	37.8





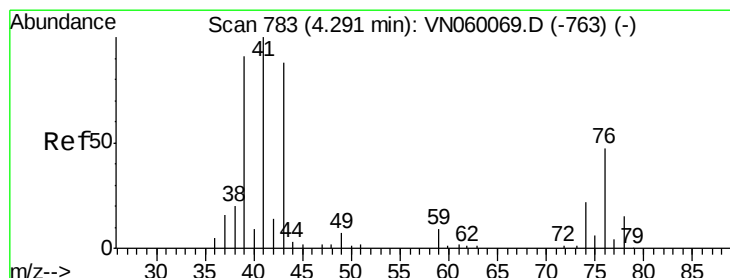
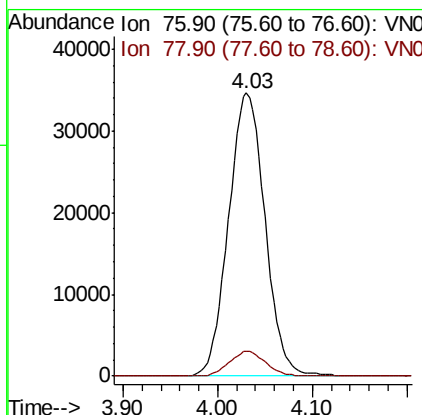
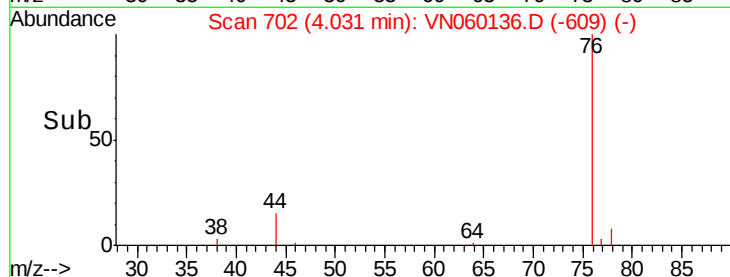
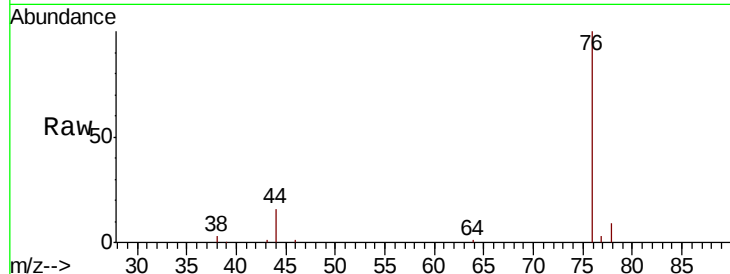
#17
Carbon Disulfide
Concen: 18.406 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion: 76 Resp: 92713
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

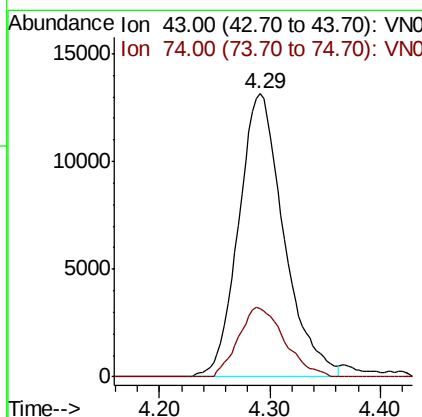
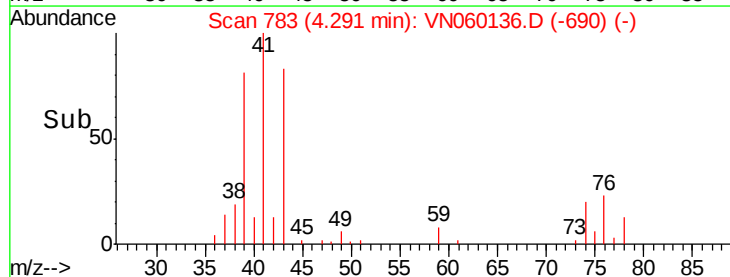
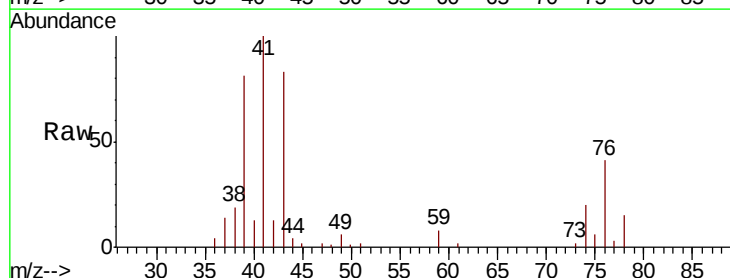
Manual Integrations
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2/19/2020 5:06:10 PM



#18
Methyl Acetate
Concen: 21.220 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion: 43 Resp: 37397
Ion Ratio Lower Upper
43 100
74 24.9 20.3 30.5





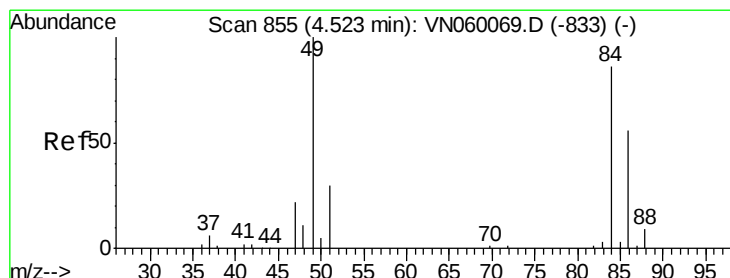
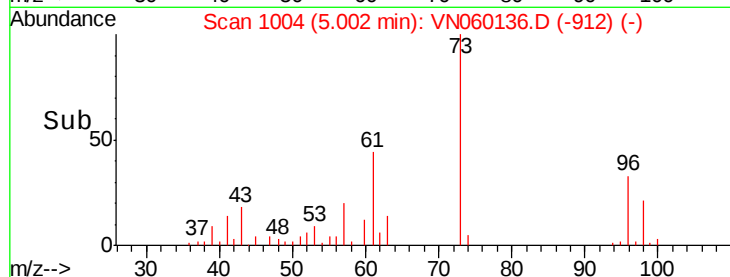
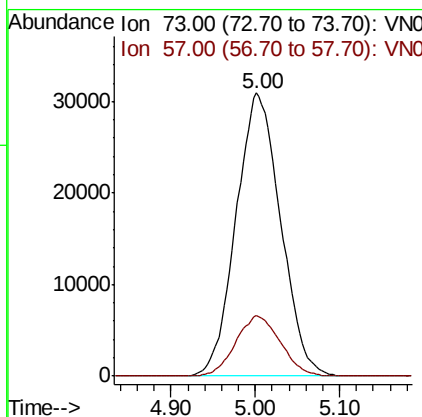
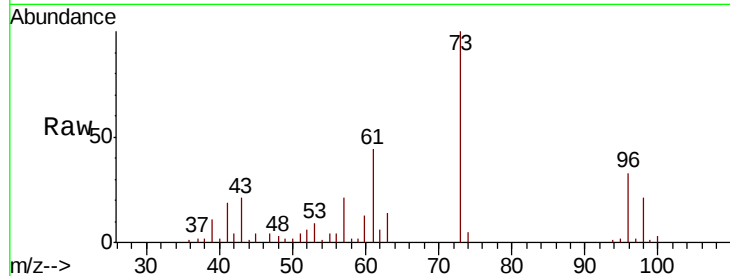
#19
Methyl tert-butyl Ether
Concen: 20.201 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion: 73 Resp: 113532
Ion Ratio Lower Upper
73 100
57 21.4 17.2 25.8

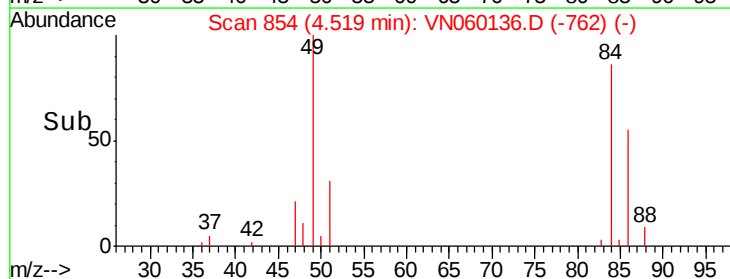
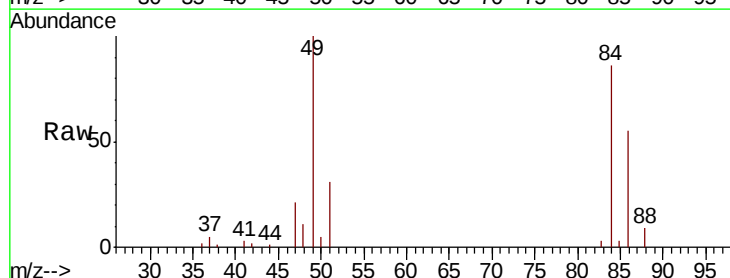
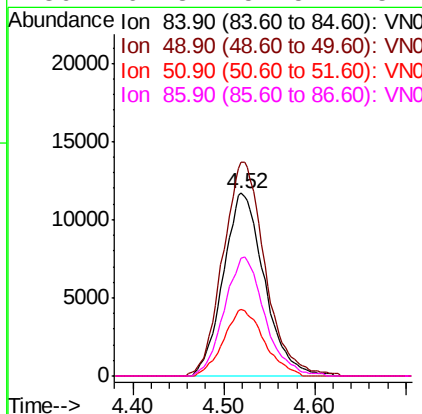
Manual Integrations
APPROVED

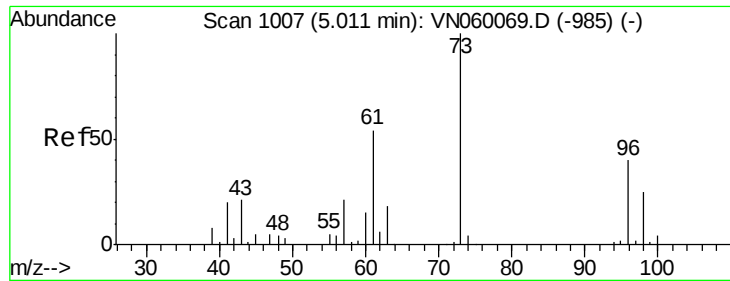
MMDadoda
2/19/2020 5:06:10 PM



#20
Methylene Chloride
Concen: 19.628 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion: 84 Resp: 36739
Ion Ratio Lower Upper
84 100
49 115.6 93.4 140.0
51 36.7 28.4 42.6
86 64.3 52.5 78.7





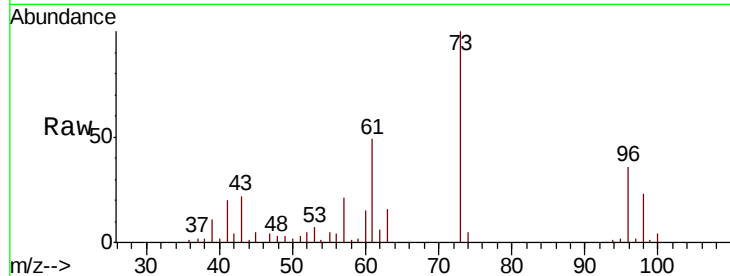
#21
trans-1,2-Dichloroethene
Concen: 19.064 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	109.3	163.9
98	64.5	51.0	76.6

Manual Integrations
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MMDadoda
2/19/2020 5:06:10 PM

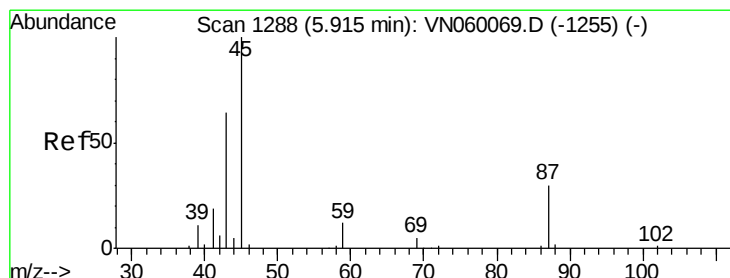
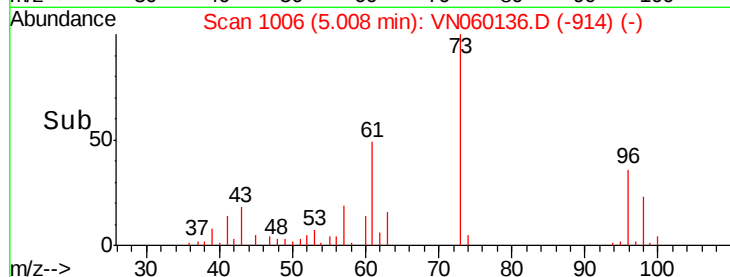
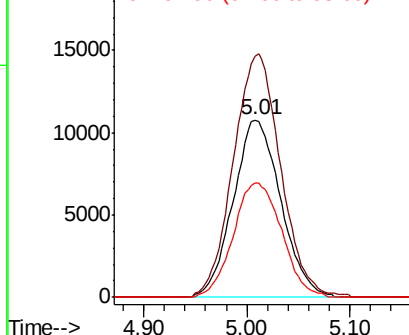


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 20.015 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.9	55.9	83.9
87	29.8	24.5	36.7
59	12.1	9.9	14.9

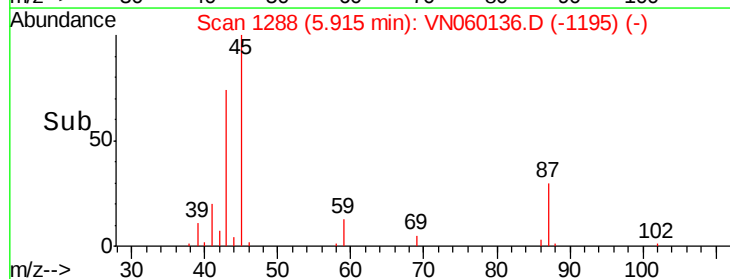
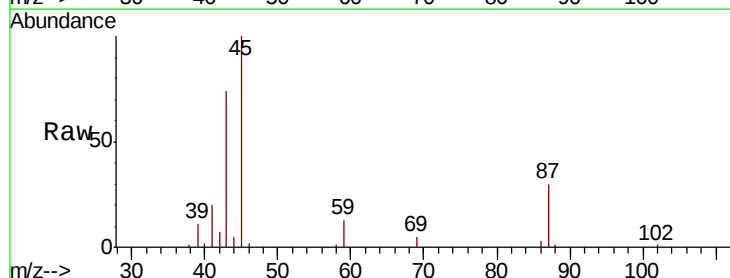
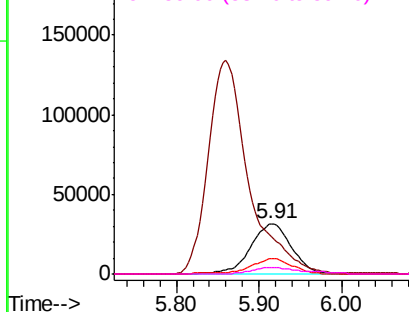
Abundance

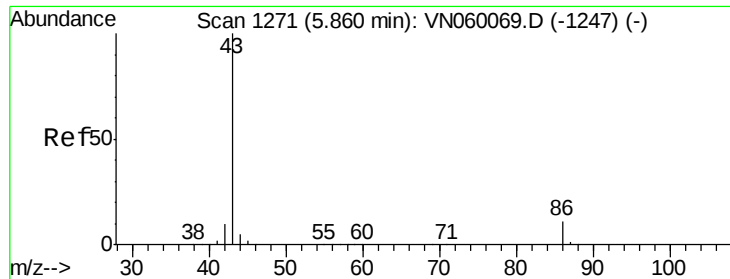
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





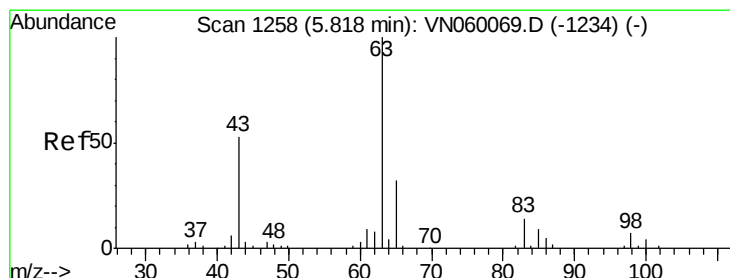
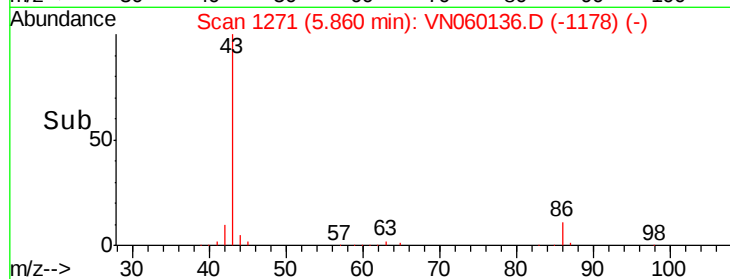
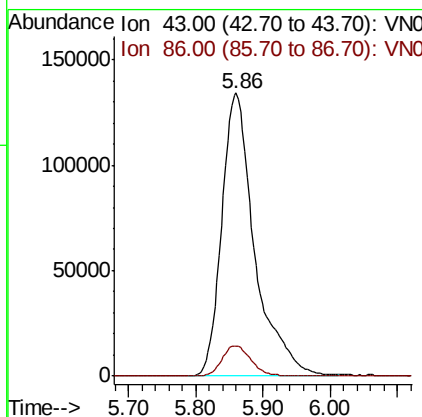
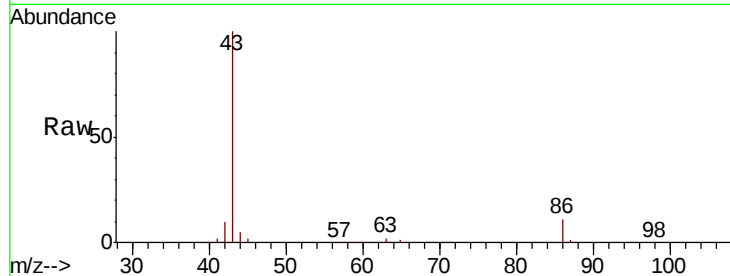
#23
 Vinyl Acetate
 Concen: 101.128 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Tot Ion	43	Resp	457795
Ion Ratio	100	Lower	Upper
43	100	8.9	13.3
86	10.6		

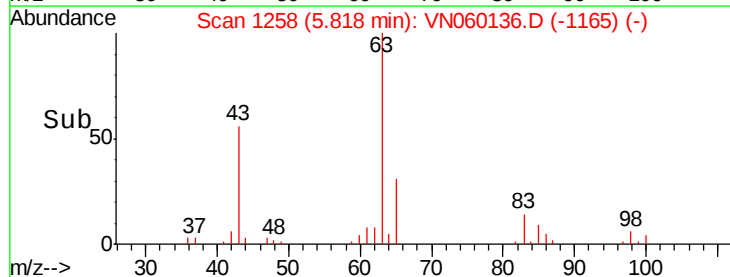
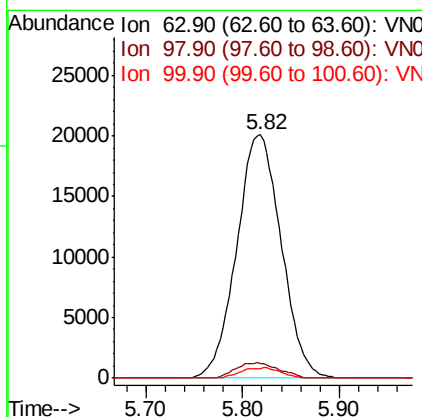
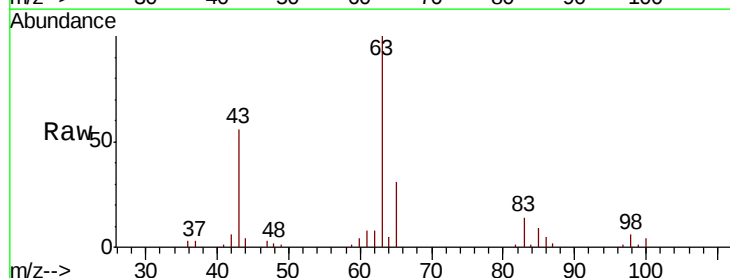
Manual Integrations
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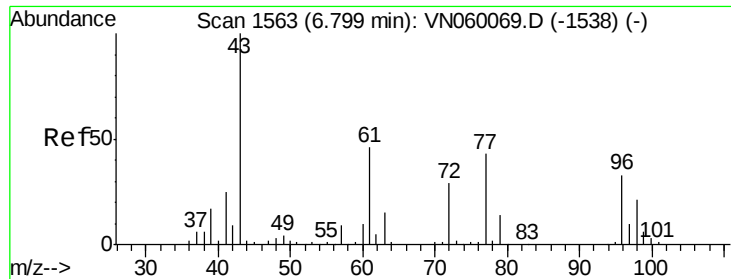
MMDadoda
 2/19/2020 5:06:10 PM



#24
 1,1-Dichloroethane
 Concen: 19.663 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion	63	Resp	64212
Ion Ratio	100	Lower	Upper
63	100	3.5	10.5
98	6.1	2.2	6.6
100	4.0		





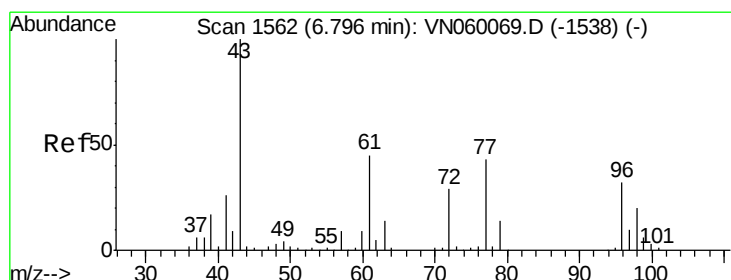
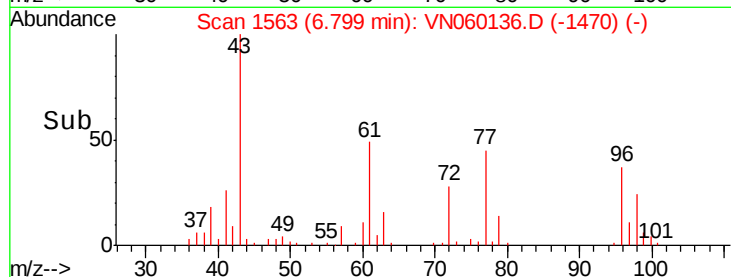
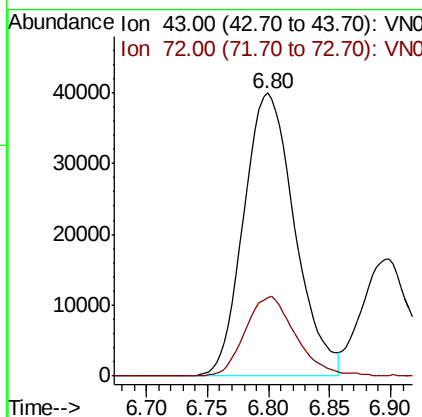
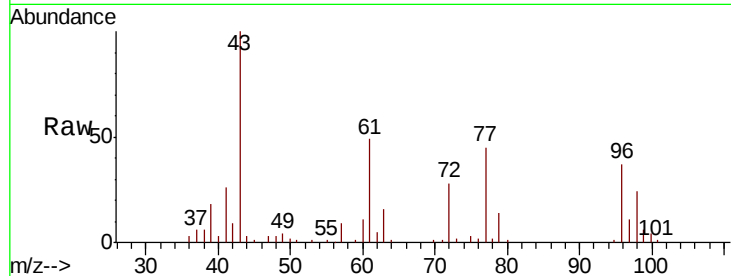
#25
2-Butanone
Concen: 98.328 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion: 43 Resp: 116020
Ion Ratio Lower Upper
43 100
72 27.9 23.3 34.9

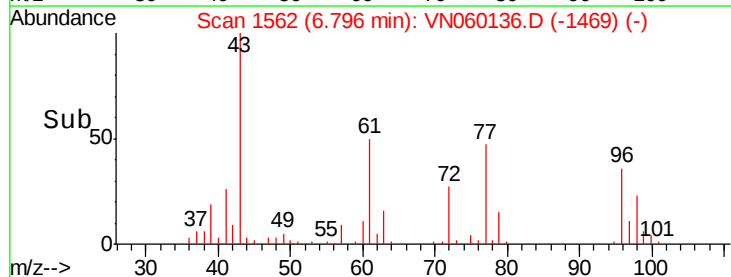
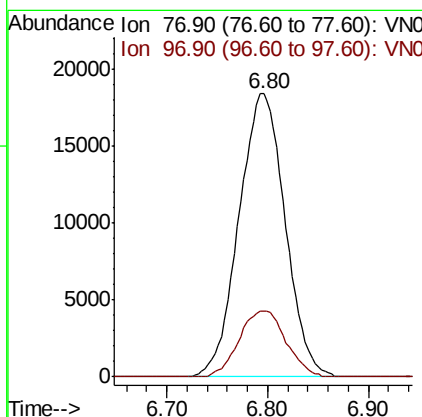
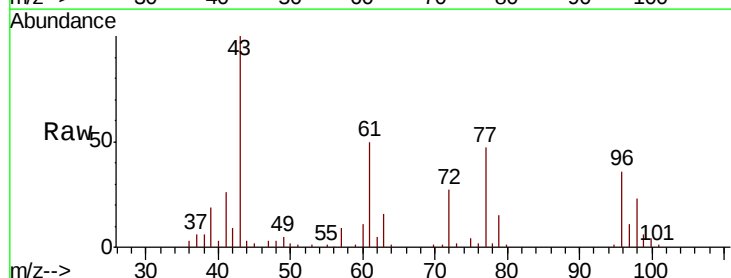
Manual Integrations
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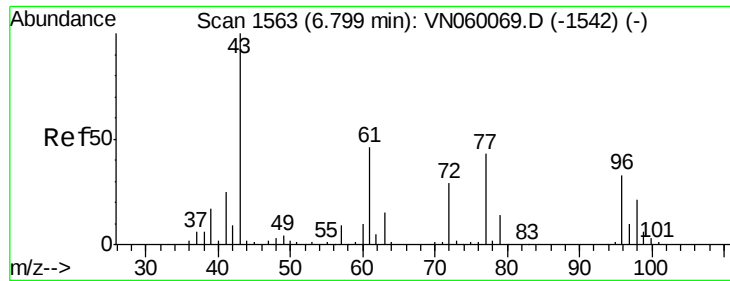
MMDadoda
2/19/2020 5:06:10 PM



#26
2,2-Dichloropropane
Concen: 18.803 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion: 77 Resp: 58322
Ion Ratio Lower Upper
77 100
97 23.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 19.272 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

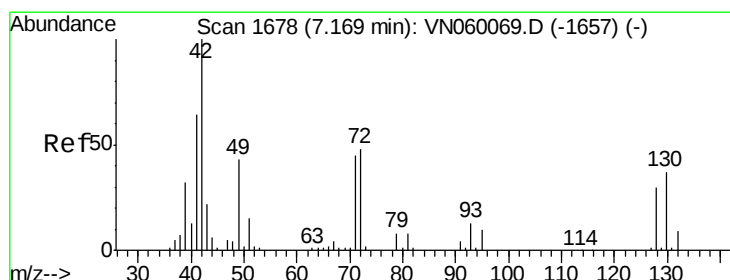
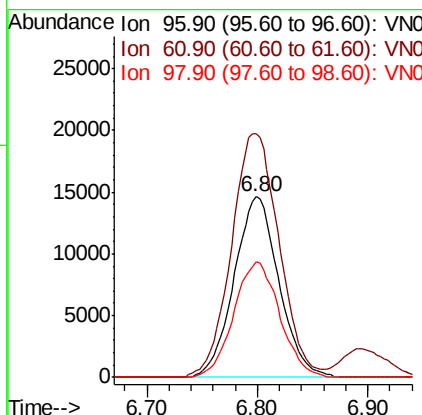
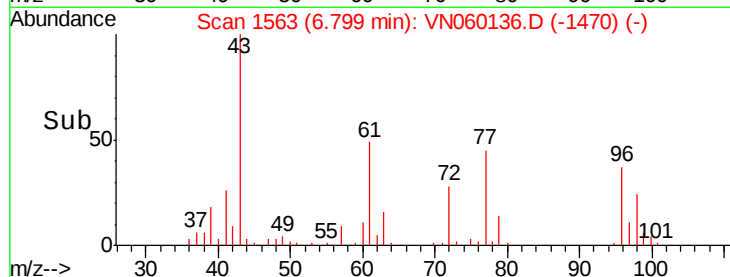
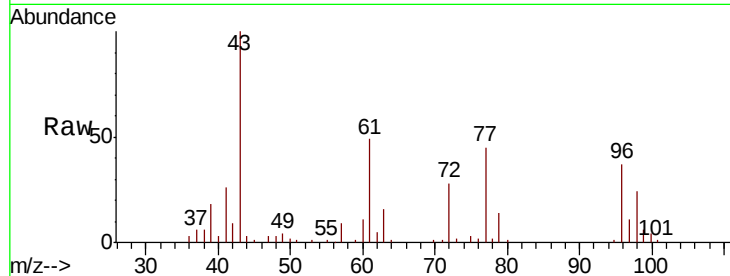
ClientSampleId :

VN0218MBS01

Tot Ion:	96	Resp:	41087
Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	285.8
98	65.5	0.0	129.6

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#28

Bromochloromethane

Concen: 19.815 ug/l

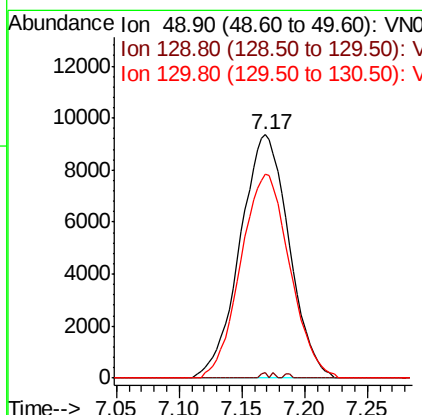
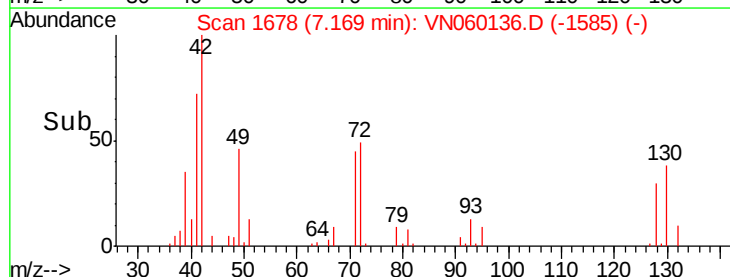
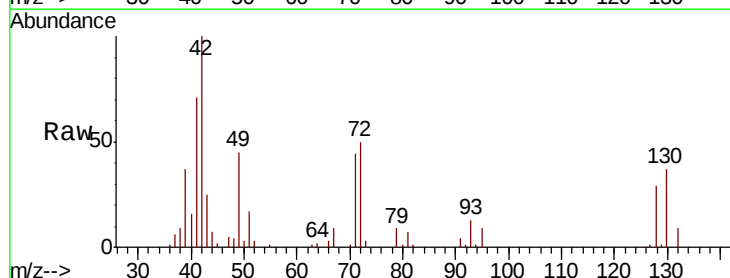
RT: 7.17 min Scan# 1678

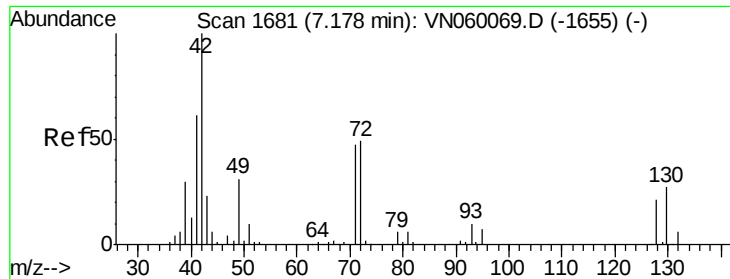
Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	49	Resp:	25439
Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.2
130	83.8	66.8	100.2





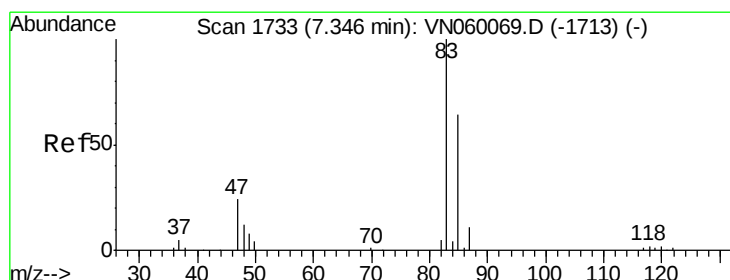
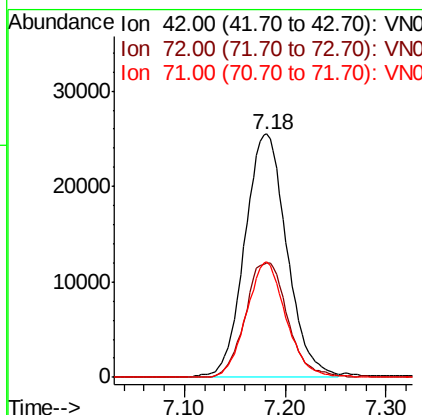
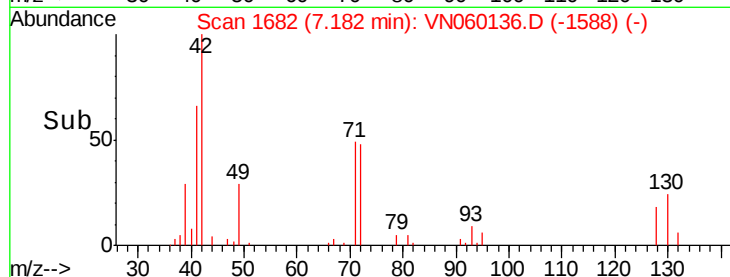
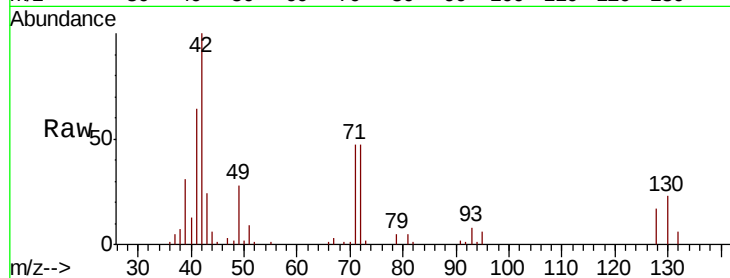
#29
Tetrahydrofuran
Concen: 102.096 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	38.2	57.4
71	44.4	36.6	54.8

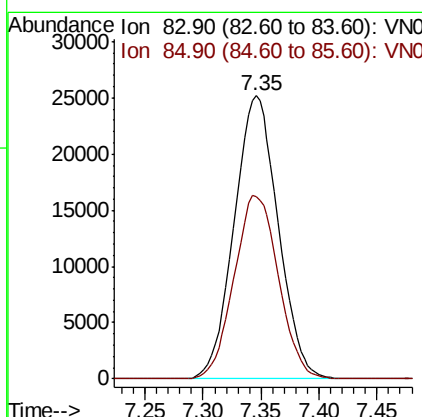
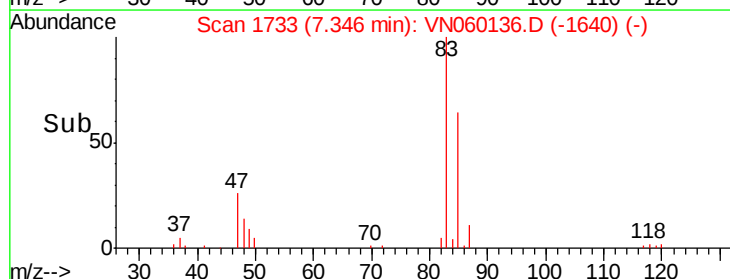
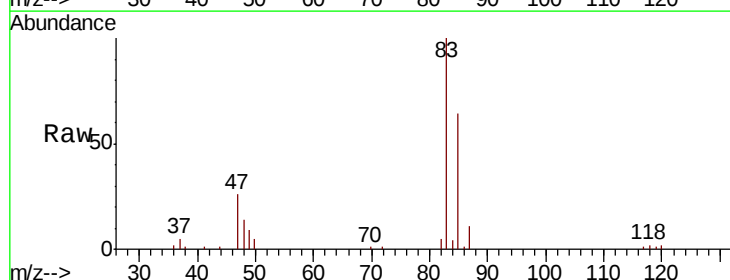
Manual Integrations
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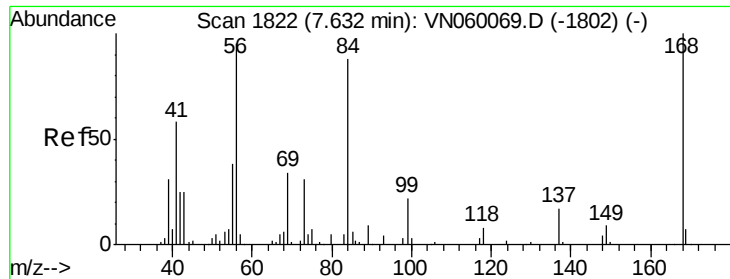
MMDadoda
2/19/2020 5:06:10 PM



#30
Chloroform
Concen: 19.353 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.0





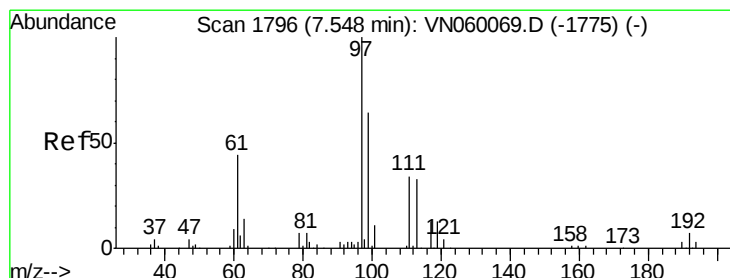
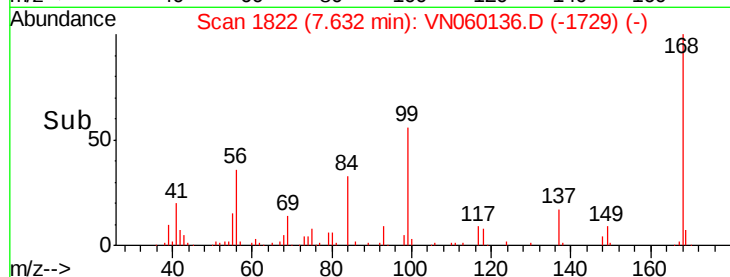
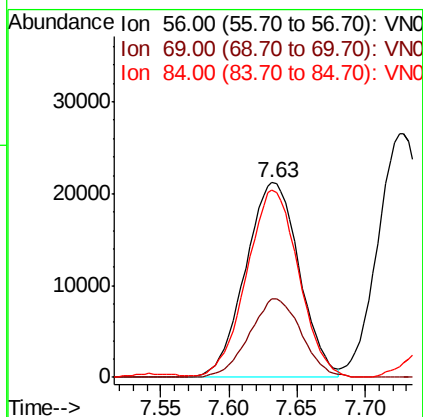
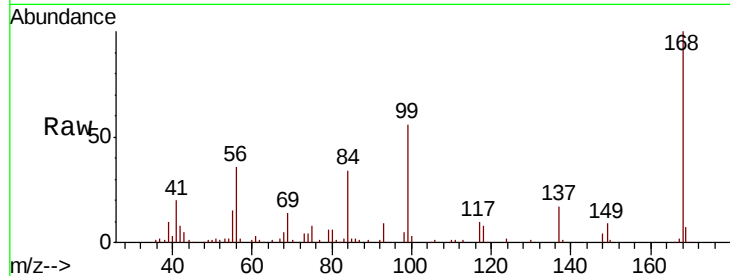
#31
Cyclohexane
Concen: 19.129 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.4	28.3	42.5
84	95.3	72.6	108.8

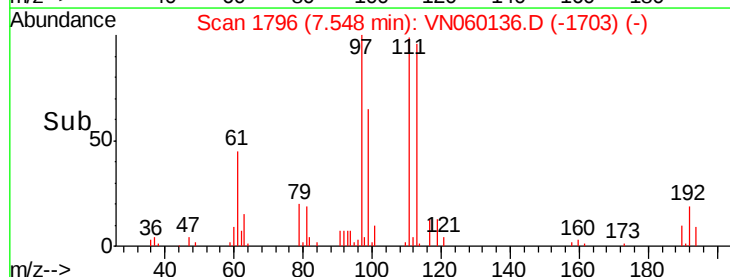
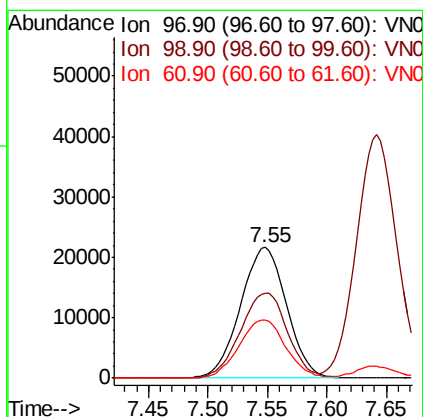
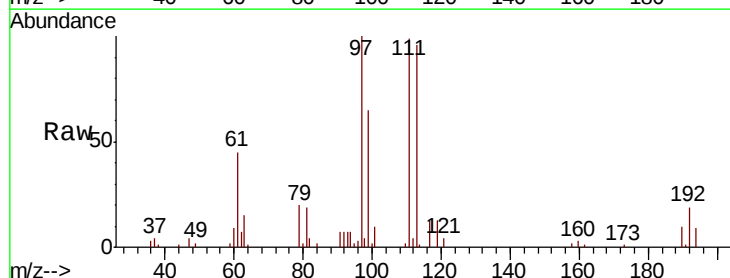
Manual Integrations
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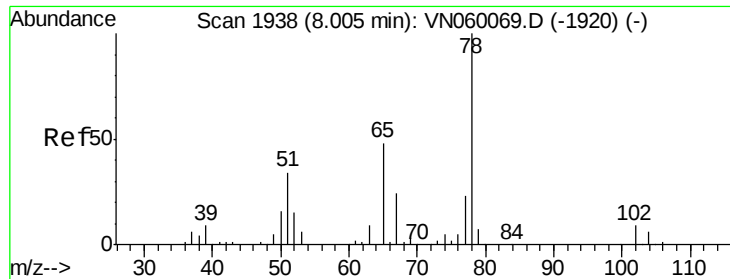
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#32
1,1,1-Trichloroethane
Concen: 18.596 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.4	77.0
61	45.0	34.9	52.3





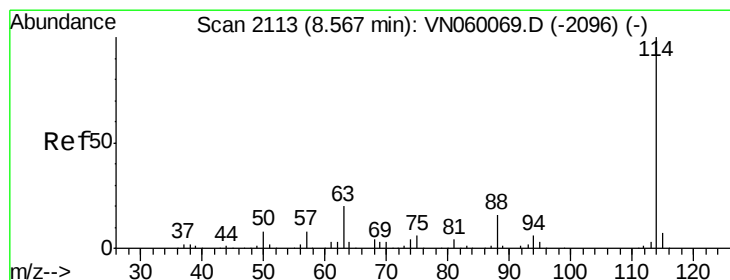
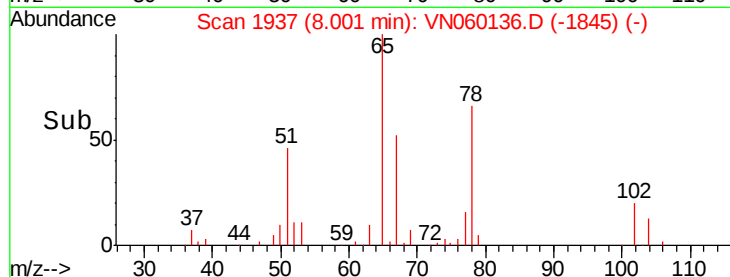
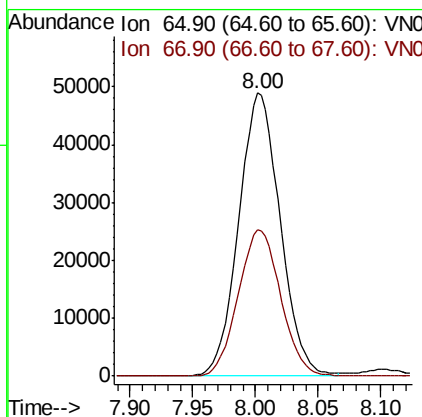
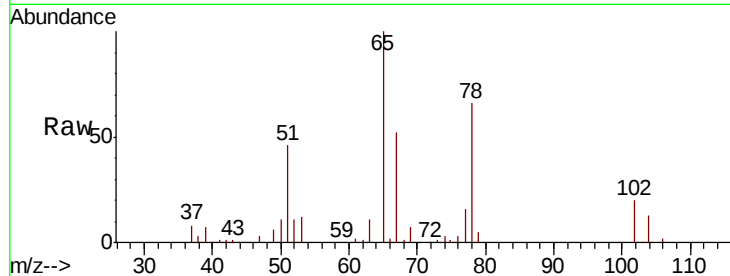
#33
 1,2-Dichloroethane-d4
 Concen: 52.314 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112517		
67	52.8	0.0	104.0	

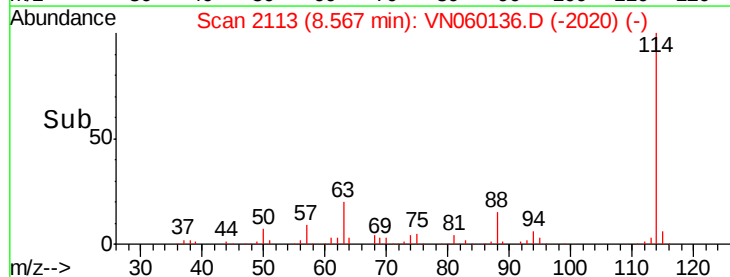
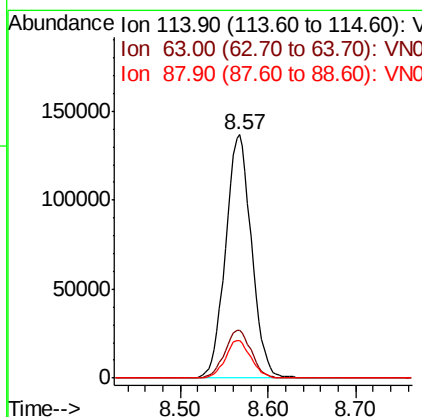
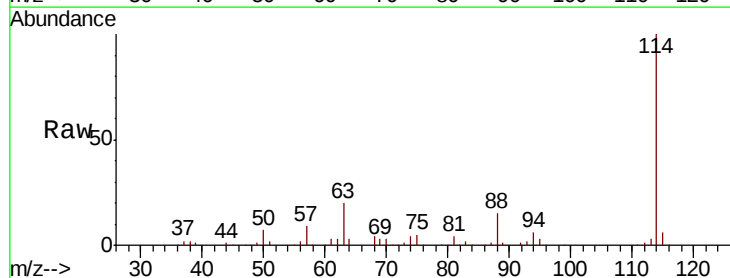
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	280957		
63	19.6	0.0	40.0	
88	15.3	0.0	31.6	





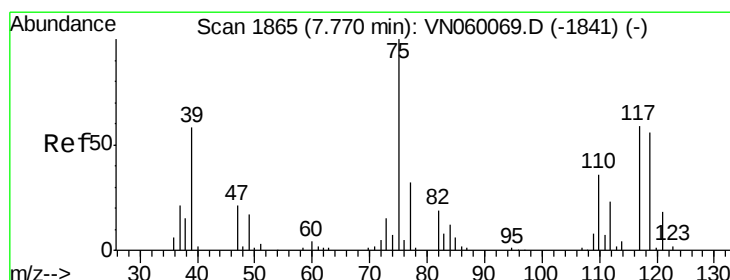
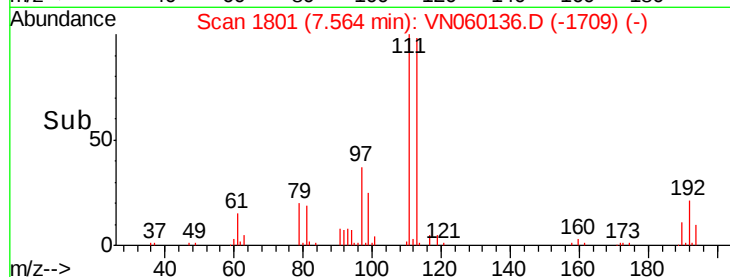
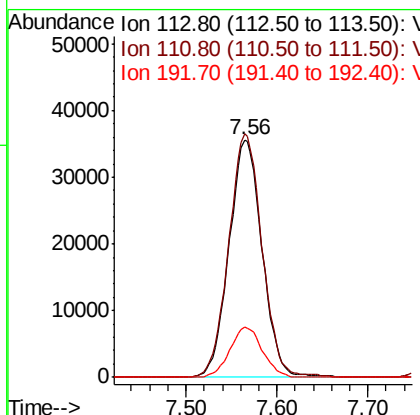
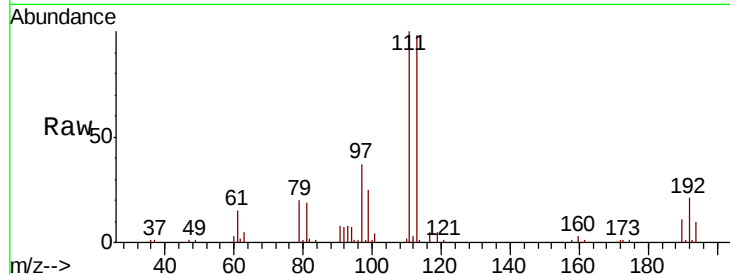
#35
 Dibromofluoromethane
 Concen: 51.985 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.2
192	20.7	16.2	24.2

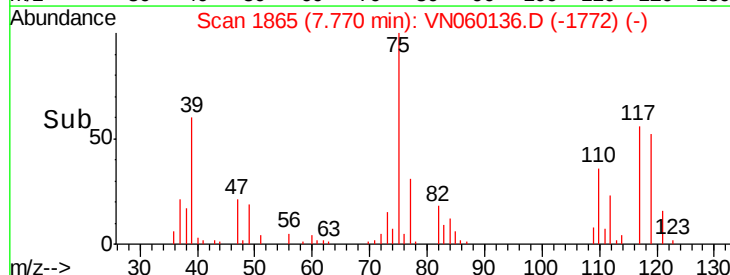
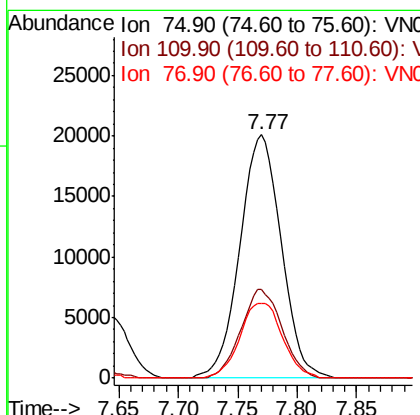
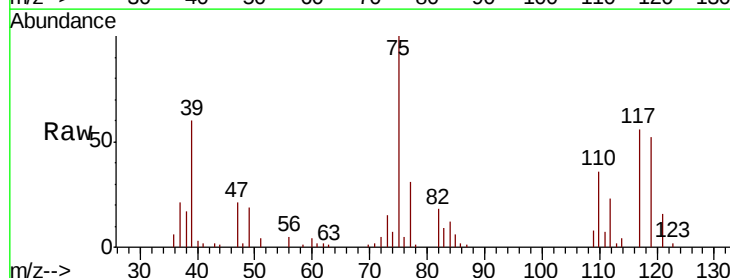
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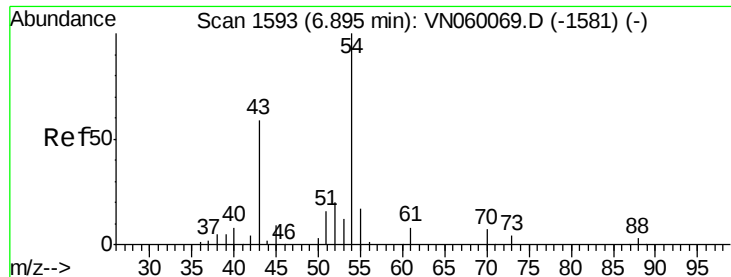
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 2/19/2020 5:06:10 PM



#36
 1,1-Dichloropropene
 Concen: 18.586 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	31.9	25.1	37.7





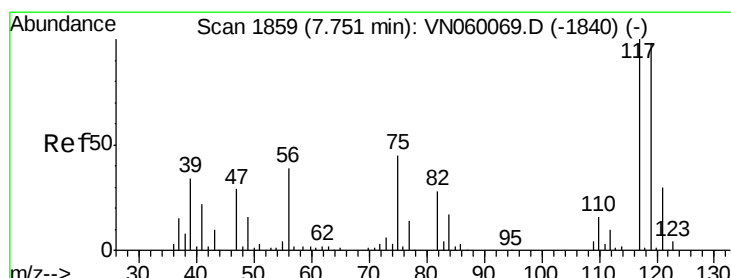
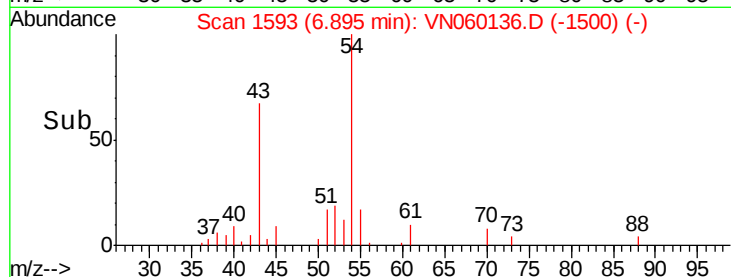
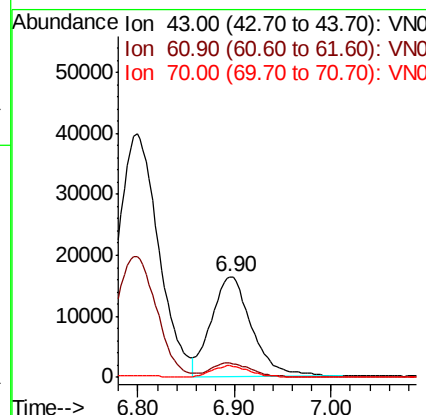
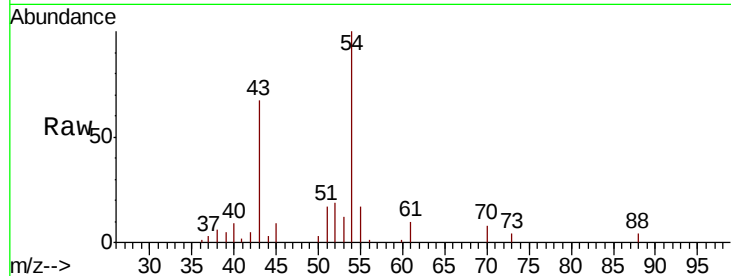
#37
Ethyl Acetate
Concen: 20.239 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	43	61	70
Resp:	47601		
Ion Ratio	100	14.4	10.8
Lower		11.4	8.7
Upper		17.2	13.1

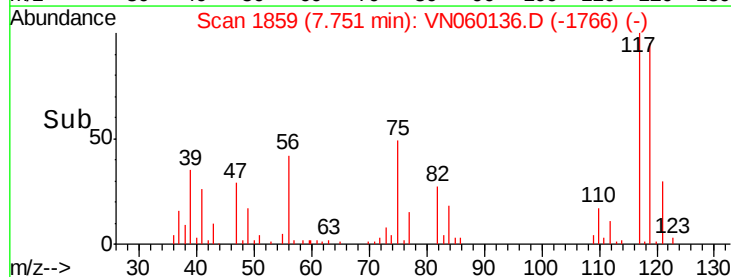
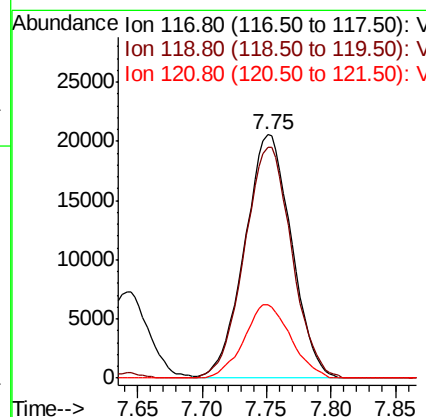
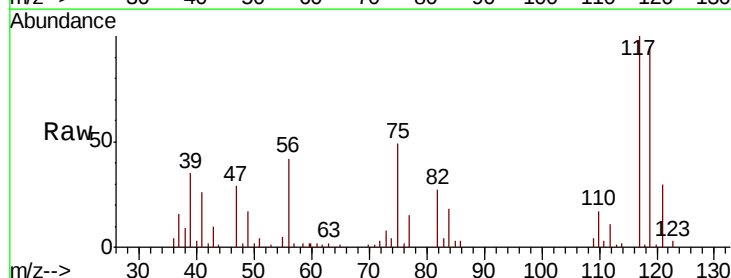
Manual Integrations
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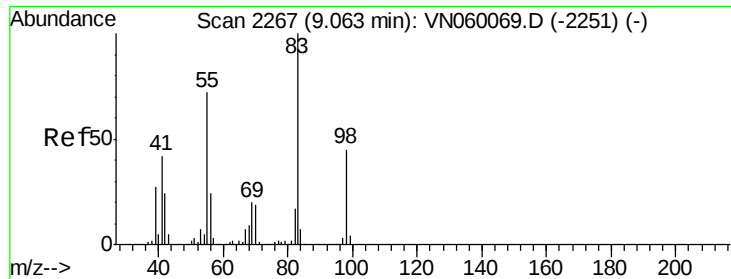
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#38
Carbon Tetrachloride
Concen: 18.427 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	117	119	121
Resp:	52080		
Ion Ratio	100	94.8	30.2
Lower		78.2	24.2
Upper		117.4	36.2





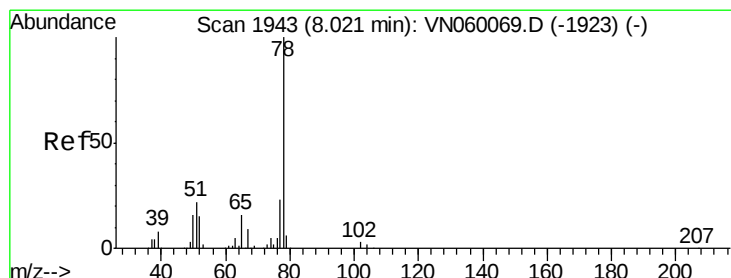
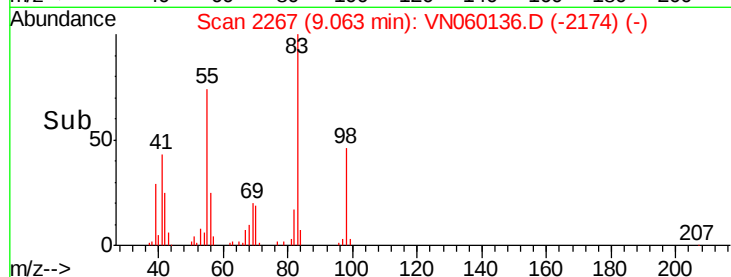
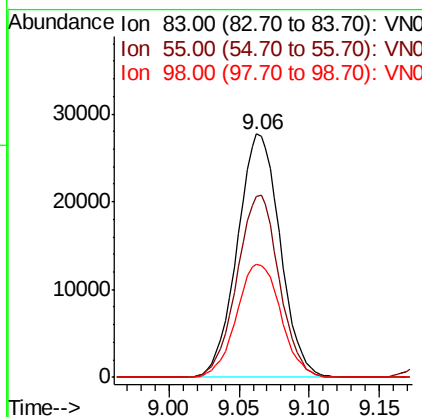
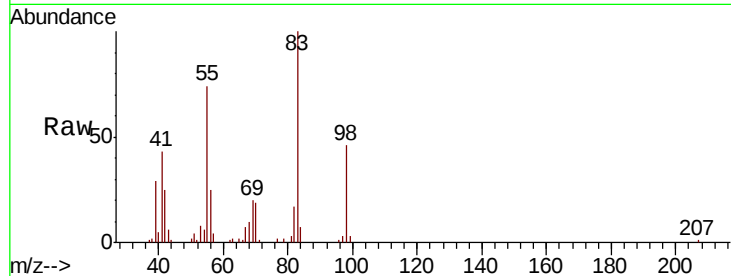
#39
Methvlcvclohexane
Concen: 18.195 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	57.8	86.8
98	46.5	36.4	54.6

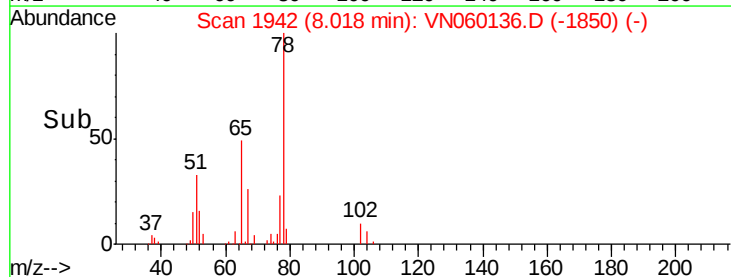
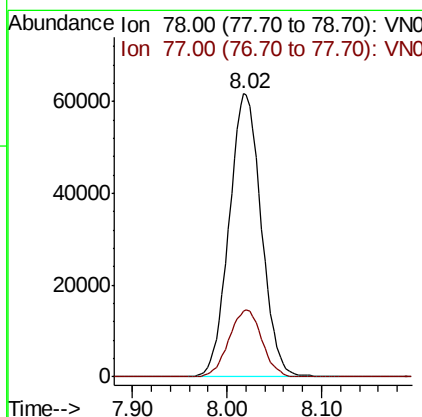
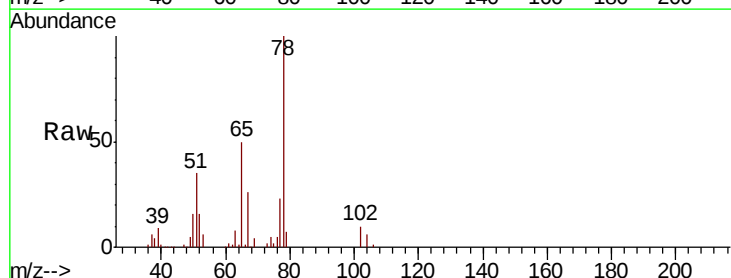
Manual Integrations
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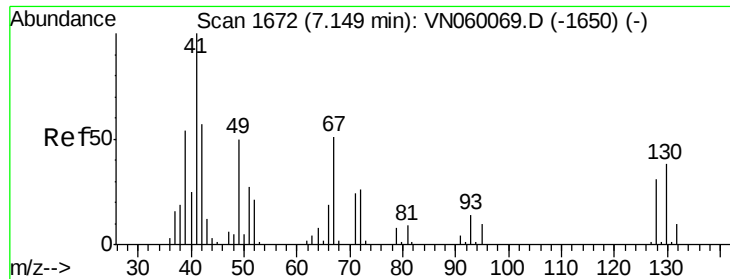
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#40
Benzene
Concen: 18.872 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





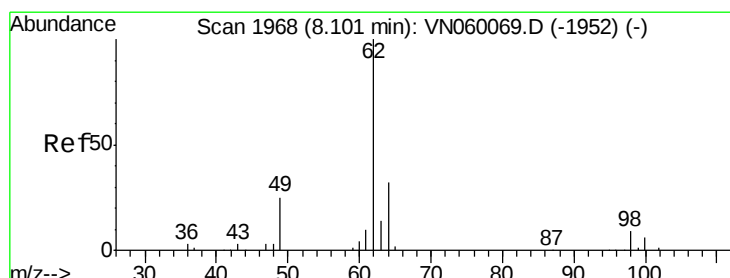
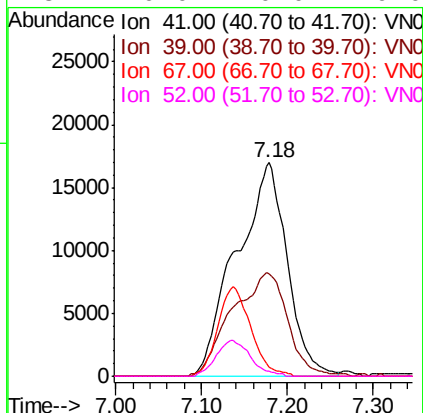
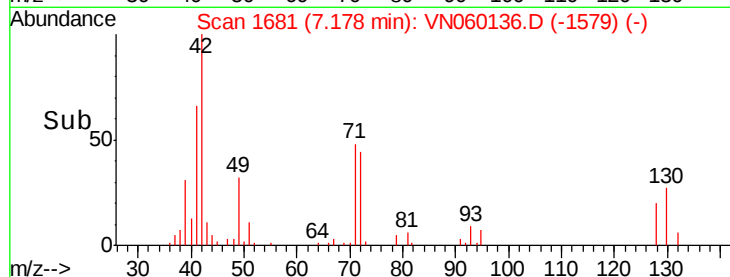
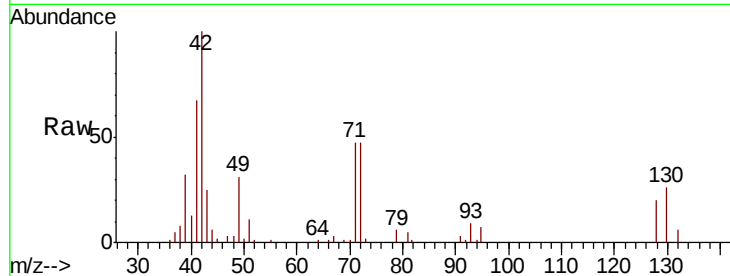
#41
Methacrylonitrile
Concen: 70.639 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

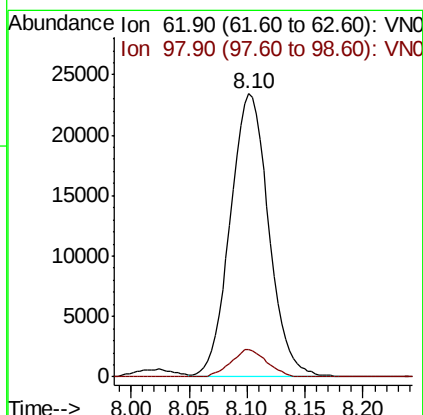
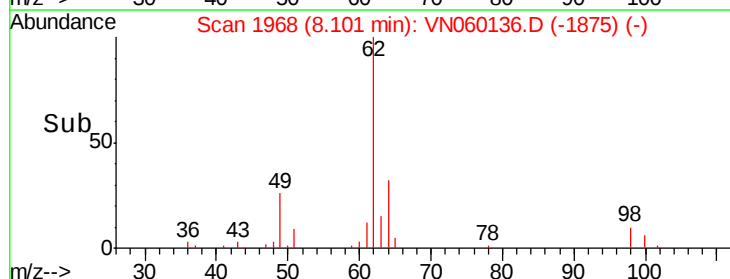
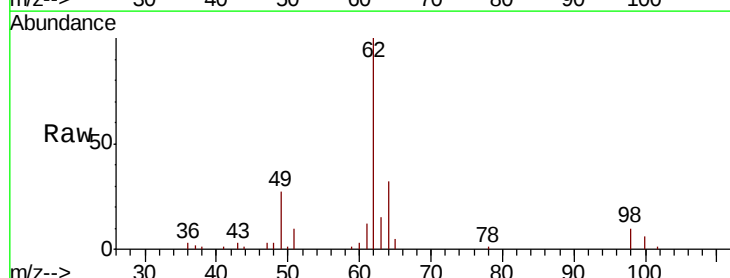
Manual Integrations
APPROVED

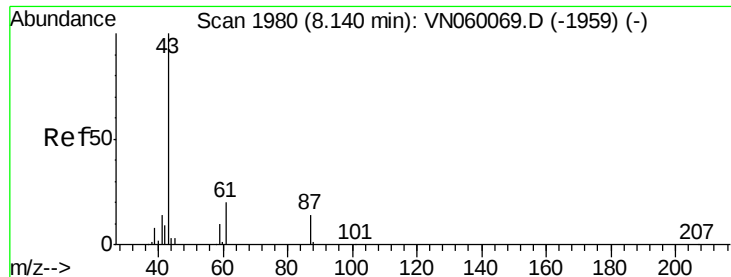
MMDadoda
2/19/2020 5:06:10 PM



#42
1,2-Dichloroethane
Concen: 20.044 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2





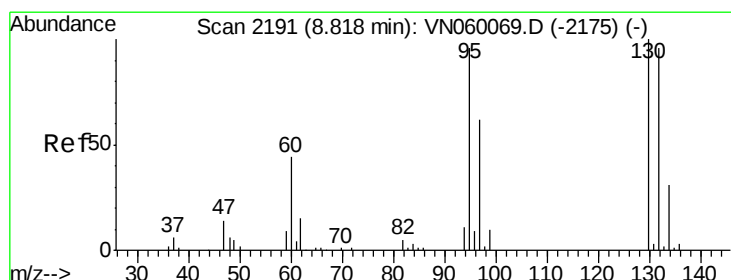
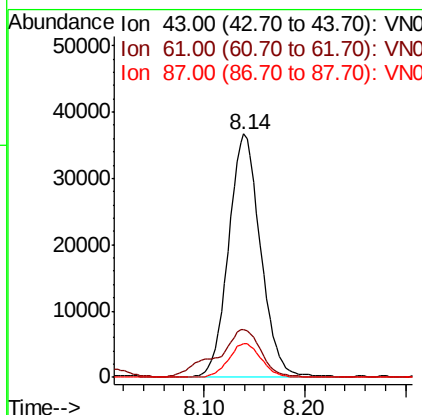
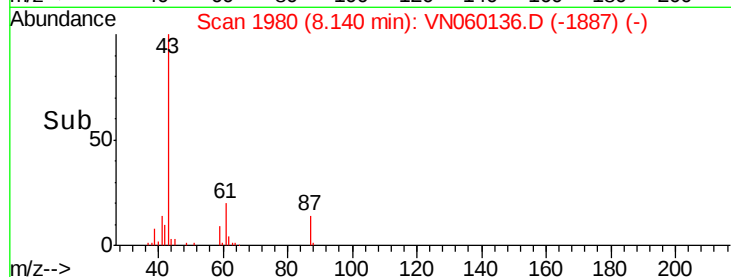
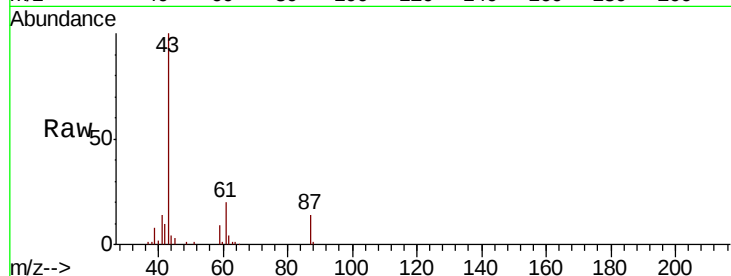
#43
Isopropyl Acetate
Concen: 20.187 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.8	32.6
87	13.9	11.4	17.2

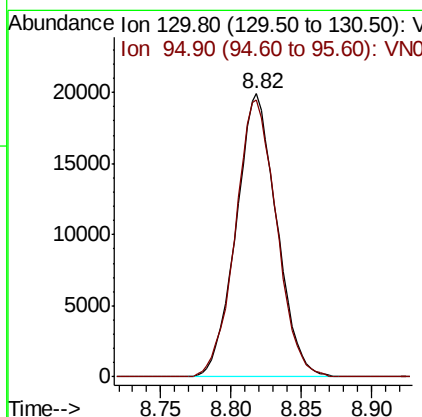
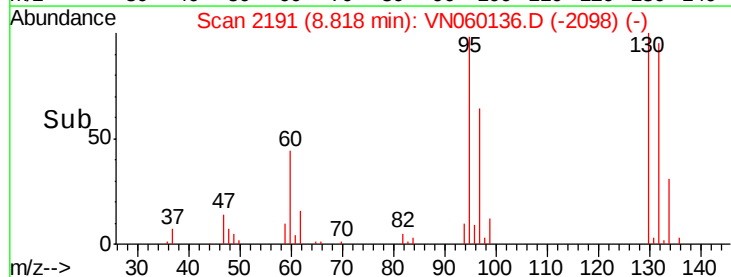
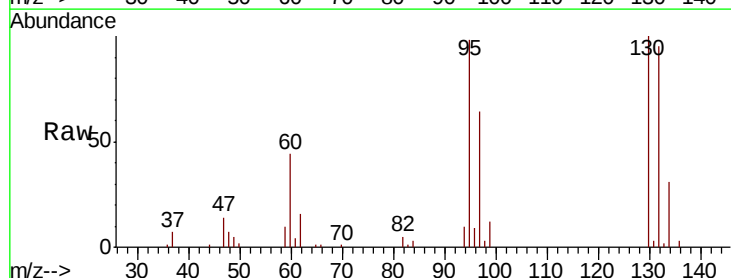
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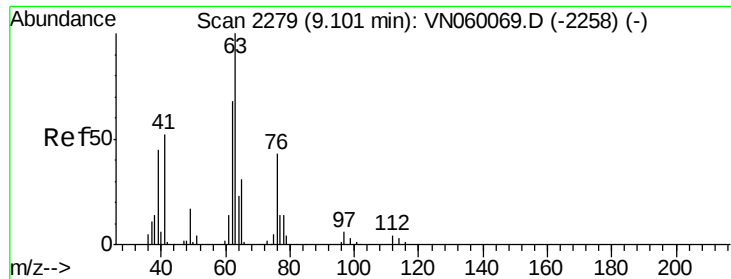
MMDadoda
2/19/2020 5:06:10 PM



#44
Trichloroethene
Concen: 18.785 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.7	0.0	192.4





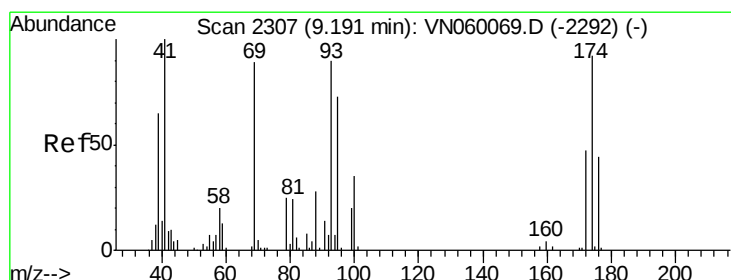
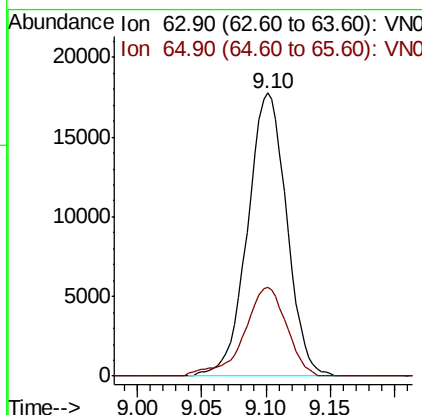
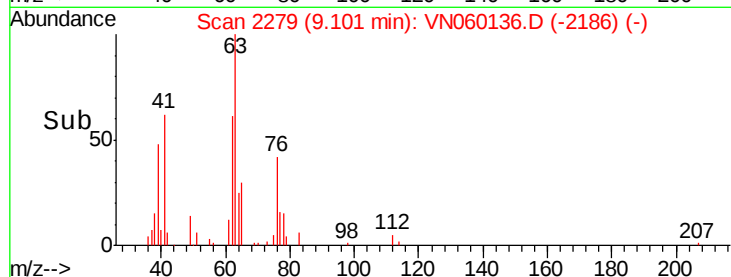
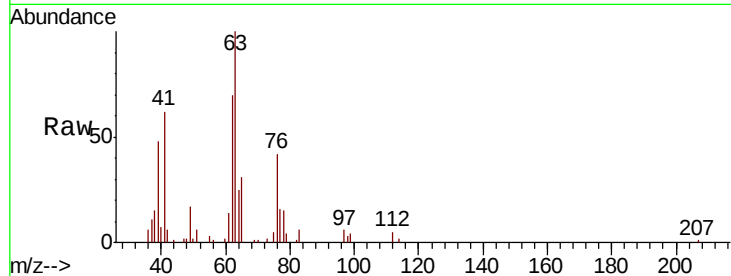
#45
 1,2-Dichloropropane
 Concen: 19.662 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Tot Ion: 63 Resp: 37578
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

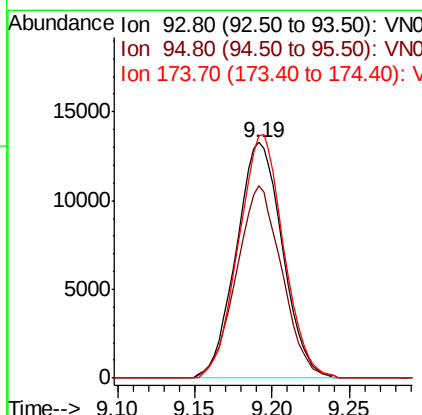
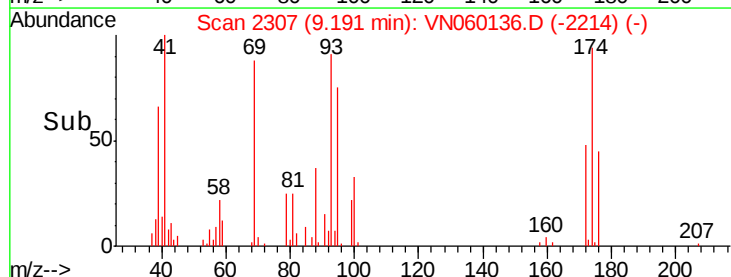
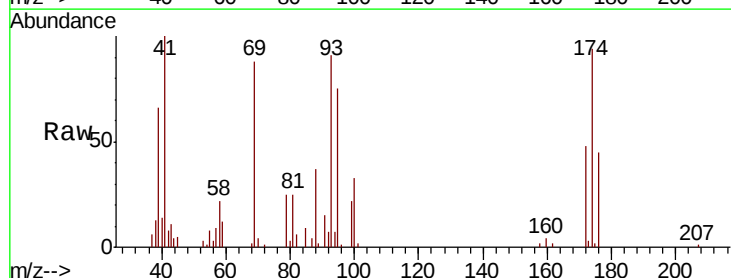
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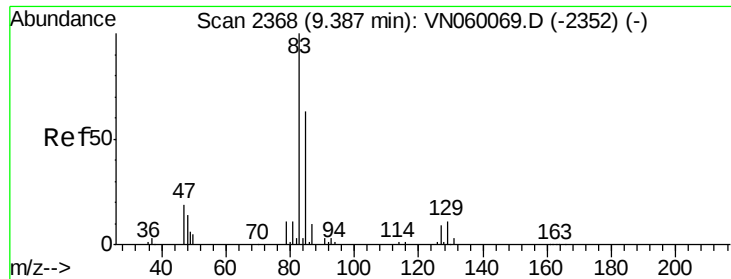
MMDadoda
 2/19/2020 5:06:10 PM



#46
 Dibromomethane
 Concen: 20.389 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion: 93 Resp: 27537
 Ion Ratio Lower Upper
 93 100
 95 80.3 65.0 97.6
 174 100.9 82.3 123.5





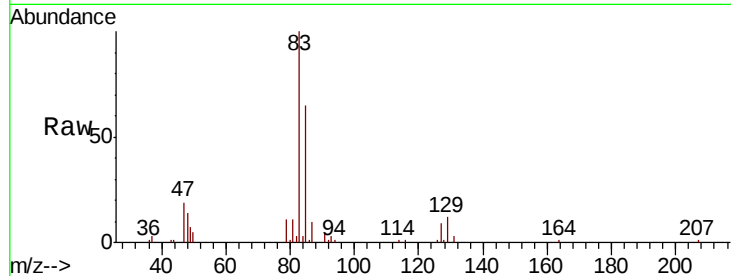
#47
Bromodichloromethane
Concen: 19.334 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

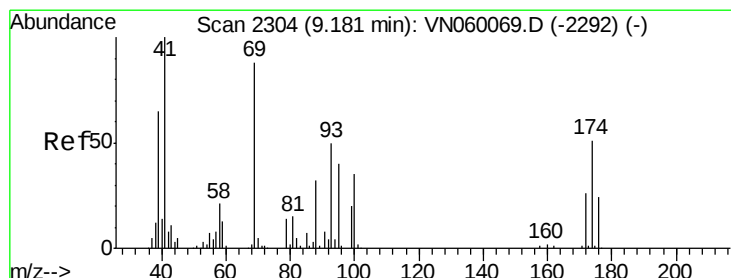
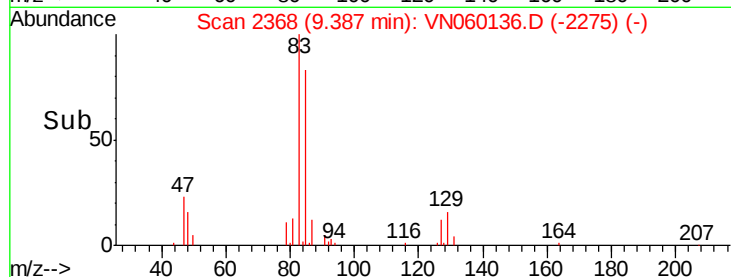
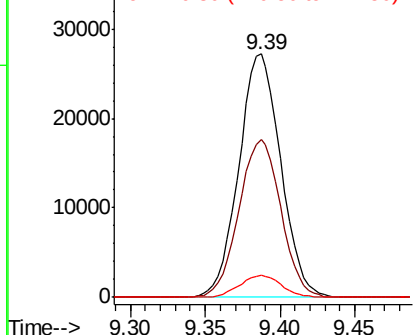
Tot Ion	83	Resp	53088
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	50.6	75.8
127	9.0	7.0	10.6

Manual Integrations
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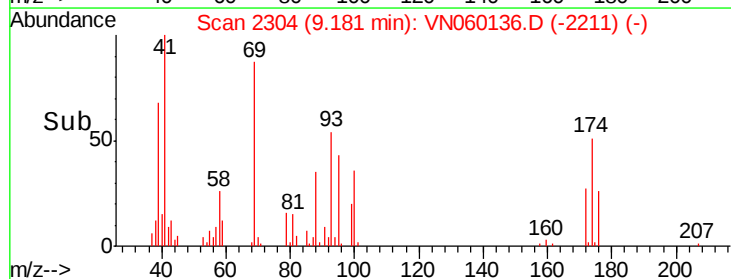
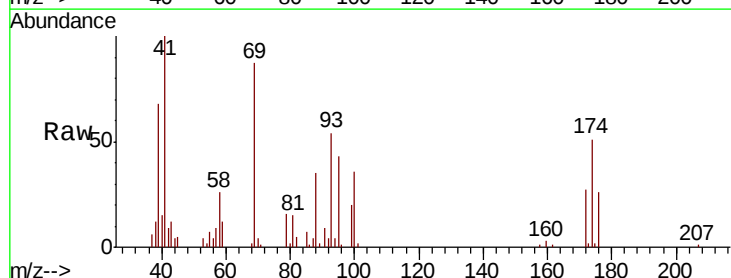
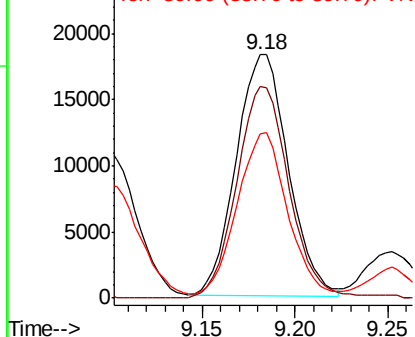
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

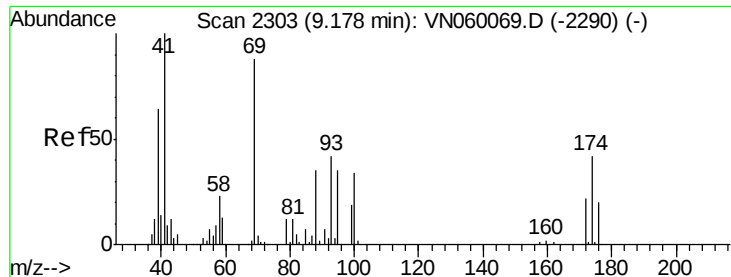


#48
Methyl methacrylate
Concen: 19.785 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	41	Resp	35688
Ion Ratio	100	Lower	Upper
41	100		
69	88.2	72.0	108.0
39	64.3	54.1	81.1

Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





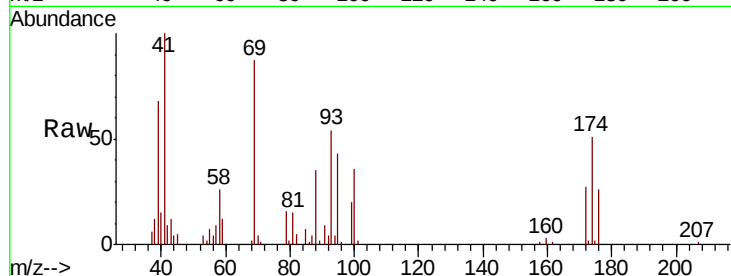
#49
1,4-Dioxane
Concen: 458.533 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.2	39.2
58	66.6	53.2	79.8

Manual Integrations
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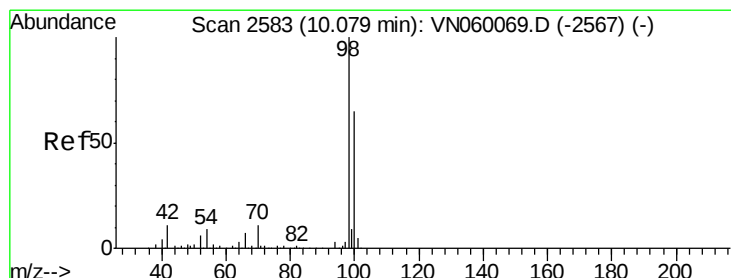
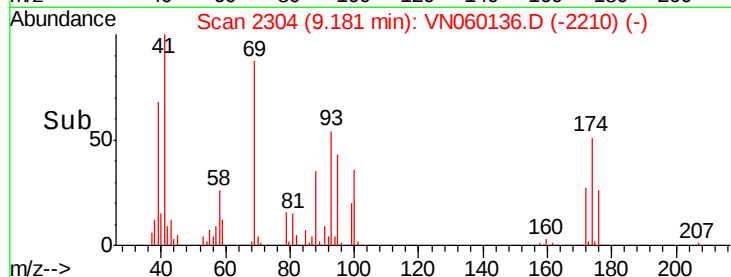
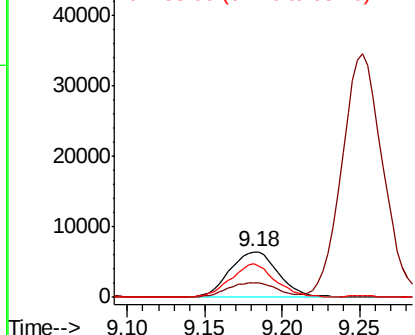


Abundance

Ion 88.00 (87.70 to 88.70): VN0

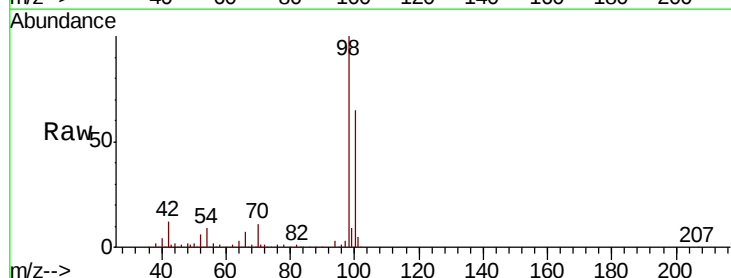
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.072 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

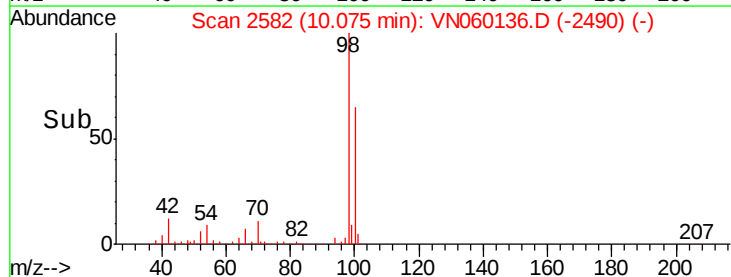
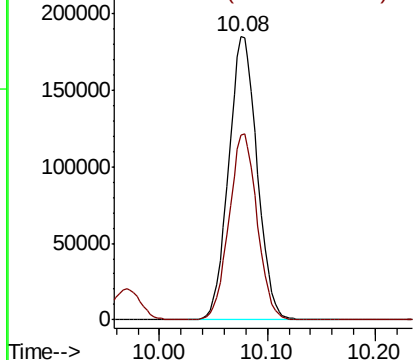
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5

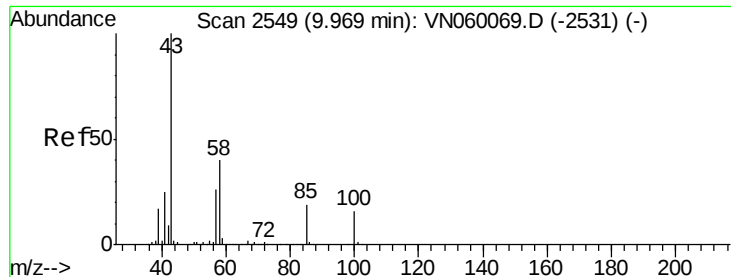


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.928 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0218MBS01

Tot Ion: 43 Resp: 237194

Ion Ratio Lower Upper

43 100

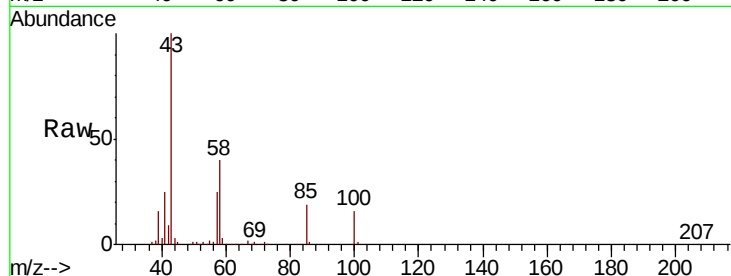
58 39.3 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060069.D (-2531) (-)

150000

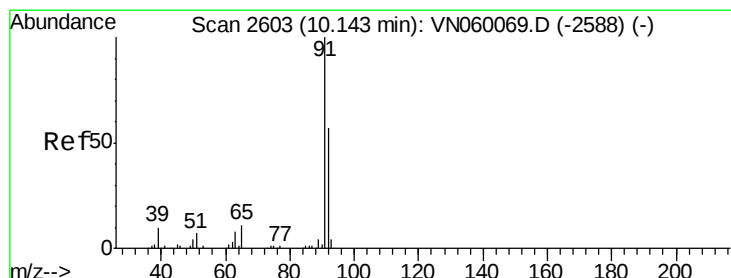
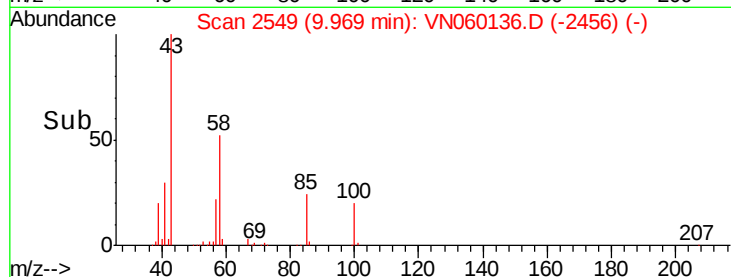
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 18.615 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060136.D

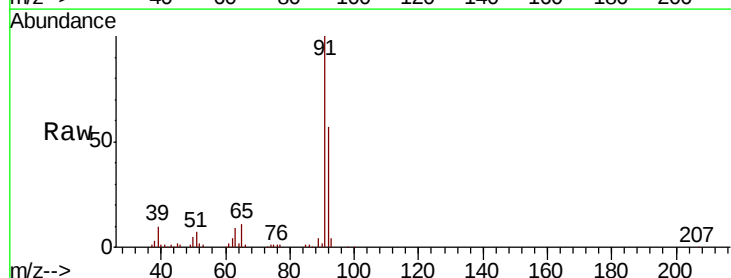
Acq: 18 Feb 2020 12:08

Tgt Ion: 92 Resp: 92150

Ion Ratio Lower Upper

92 100

91 176.3 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN060069.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060069.D (-2588) (-)

100000

80000

60000

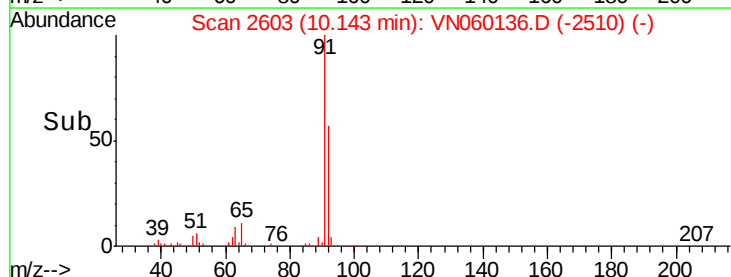
40000

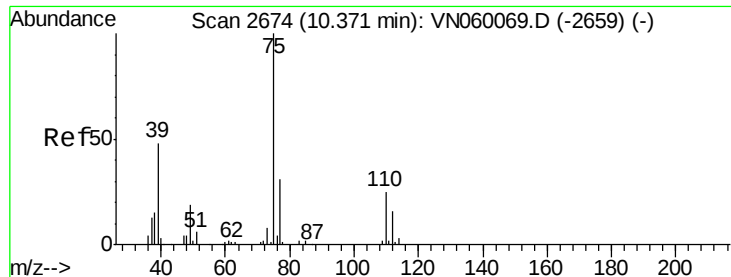
20000

0

10.05 10.10 10.14 10.20

Time-->





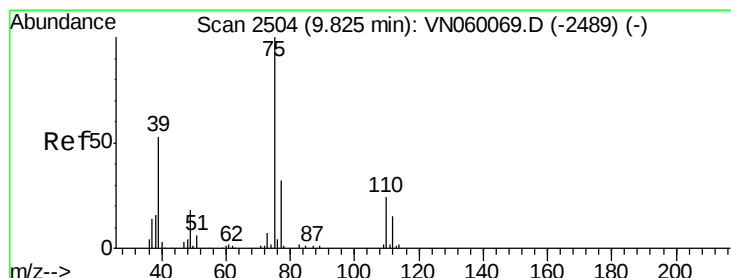
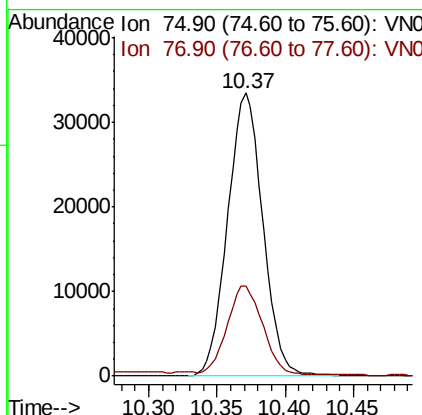
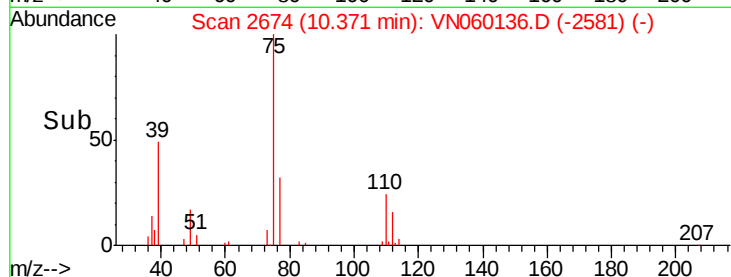
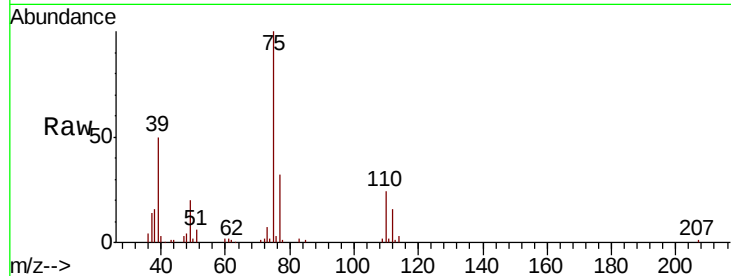
#53
t-1,3-Dichloropropene
Concen: 19.413 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion: 75 Resp: 60167
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.0

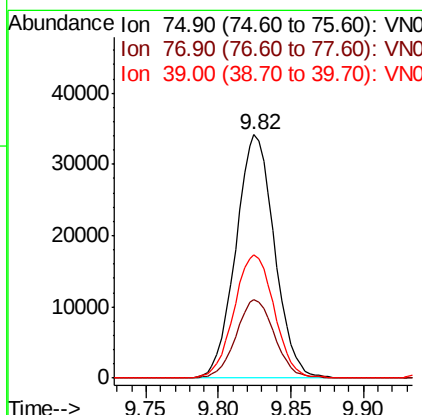
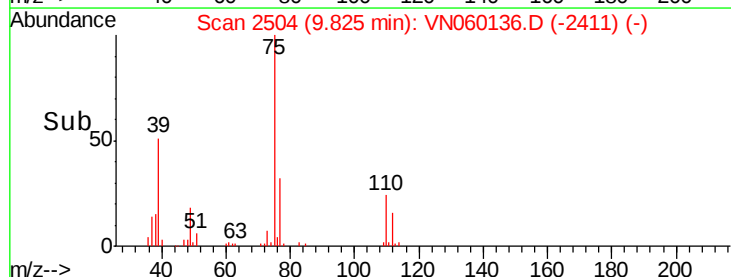
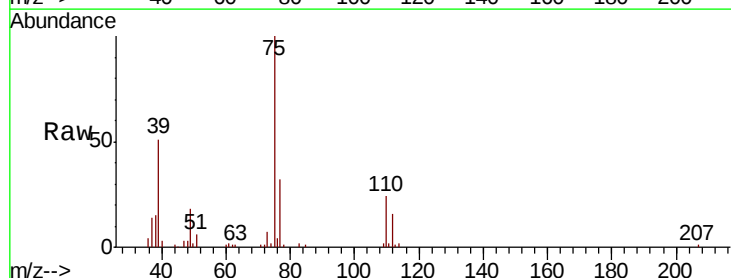
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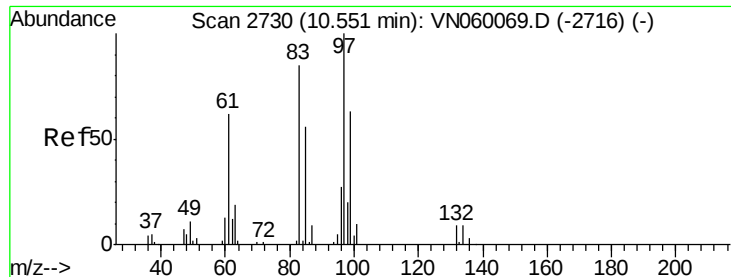
MMDadoda
2/19/2020 5:06:10 PM



#54
cis-1,3-Dichloropropene
Concen: 19.389 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion: 75 Resp: 63280
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4
39 50.8 42.2 63.4





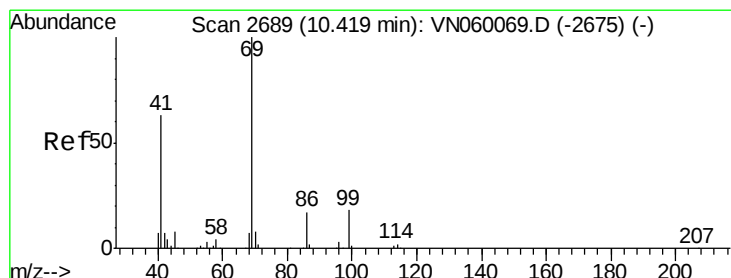
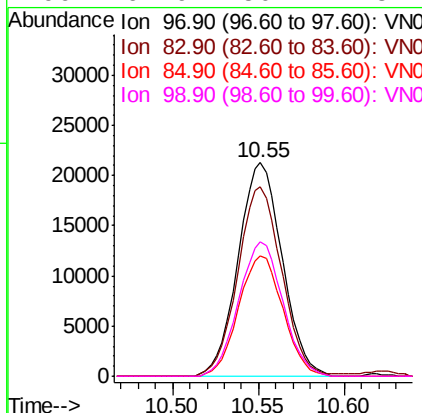
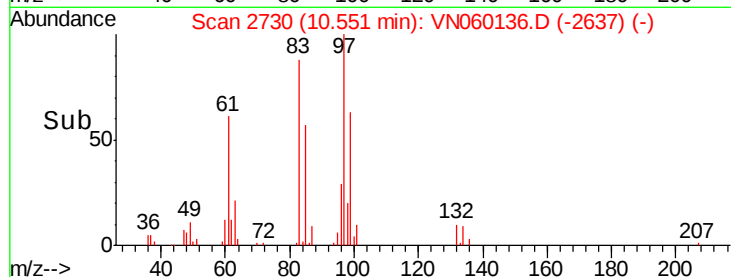
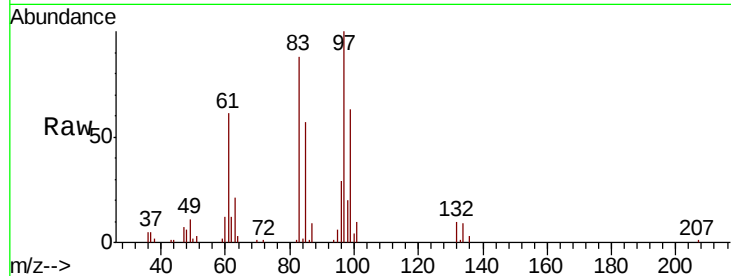
#55
 1,1,2-Trichloroethane
 Concen: 19.594 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Tot Ion:	97	Resp:	37841
Ion	Ratio	Lower	Upper
97	100		
83	88.5	67.9	101.9
85	56.6	44.6	67.0
99	62.9	50.1	75.1

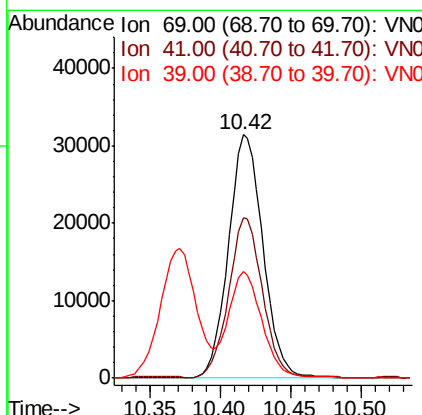
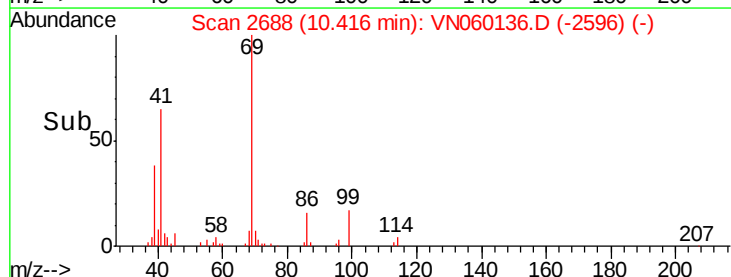
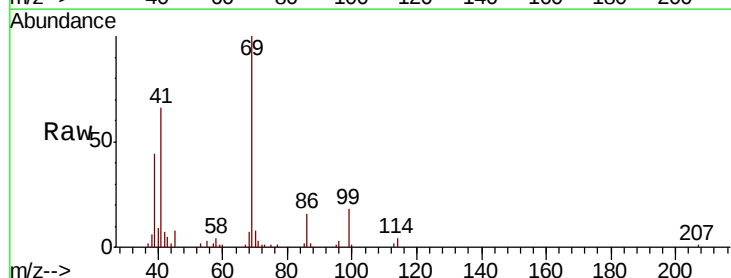
Manual Integrations
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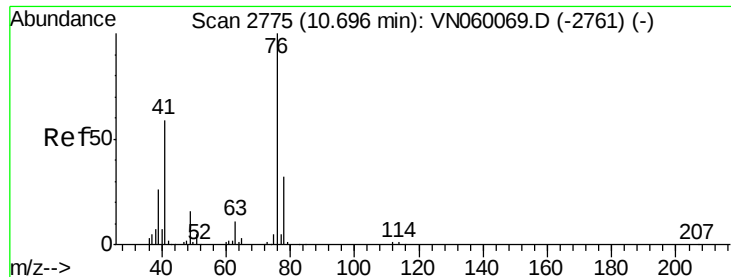
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 2/19/2020 5:06:10 PM



#56
 Ethyl methacrylate
 Concen: 19.709 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion:	69	Resp:	53845
Ion	Ratio	Lower	Upper
69	100		
41	65.0	51.1	76.7
39	41.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.675 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0218MBS01

Tot Ion: 76 Resp: 62698

Ion Ratio Lower Upper

76 100

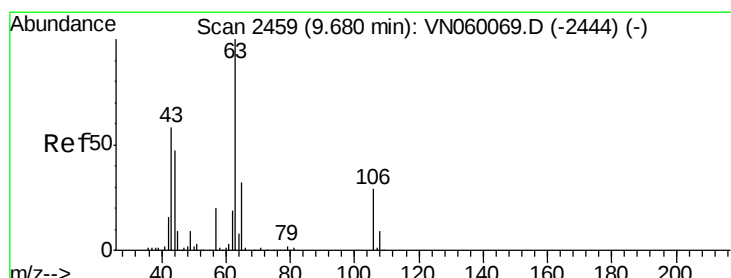
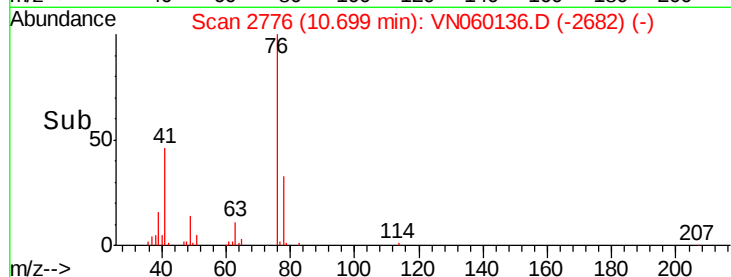
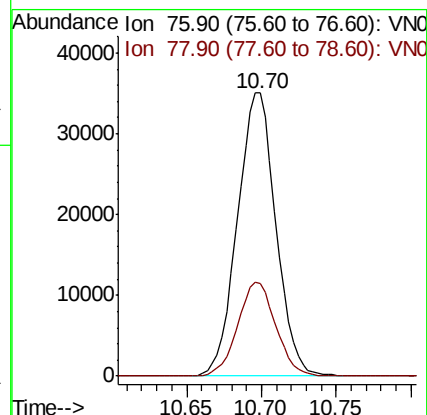
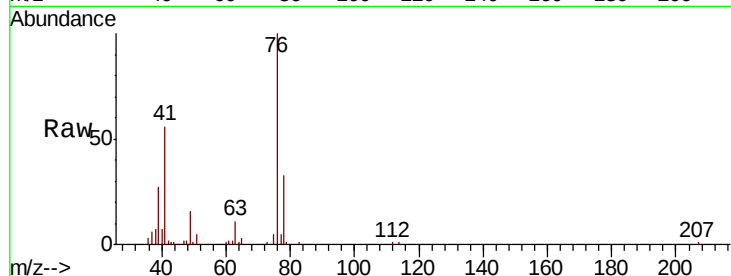
78 32.7 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.494 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060136.D

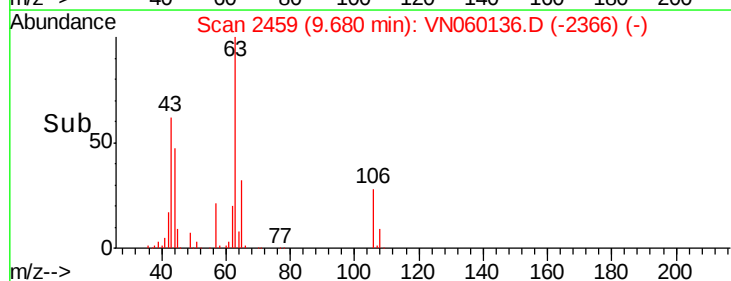
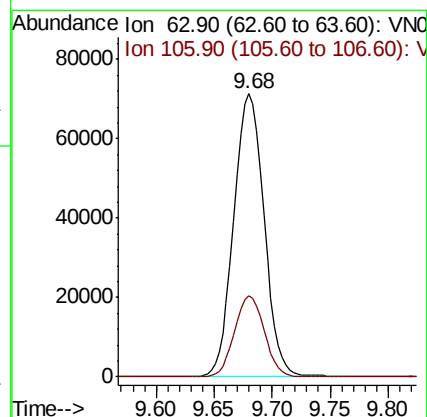
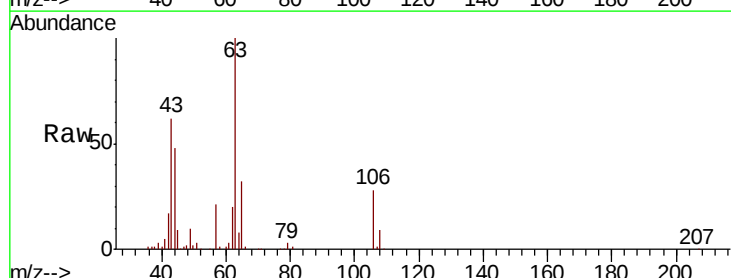
Acq: 18 Feb 2020 12:08

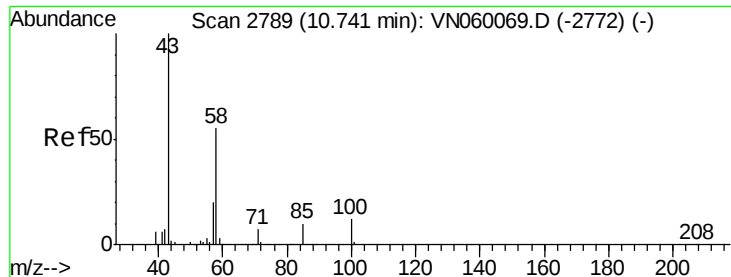
Tgt Ion: 63 Resp: 129175

Ion Ratio Lower Upper

63 100

106 28.1 22.9 34.3





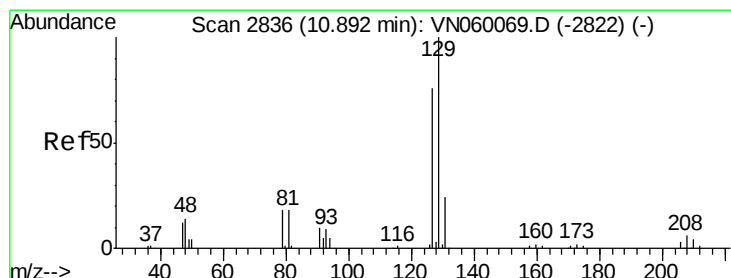
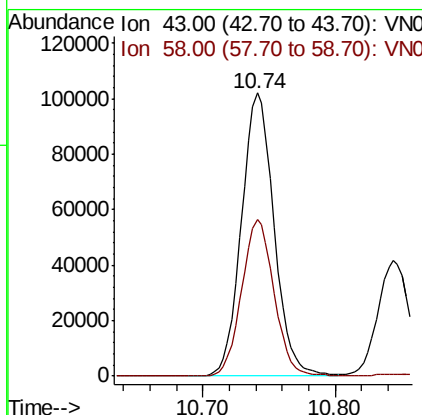
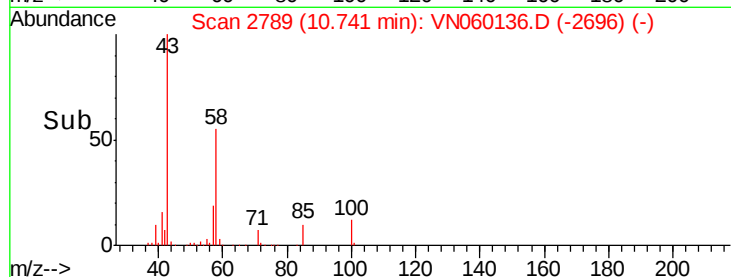
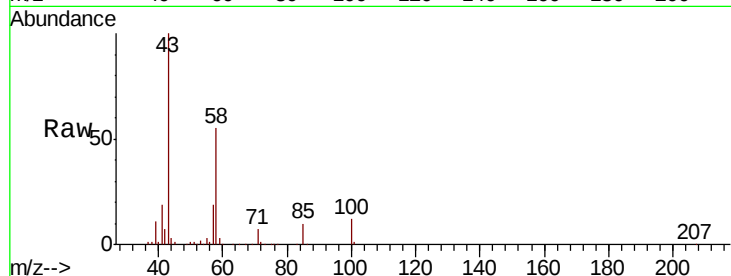
#59
2-Hexanone
Concen: 96.114 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion: 43 Resp: 172775
Ion Ratio Lower Upper
43 100
58 55.4 27.5 82.4

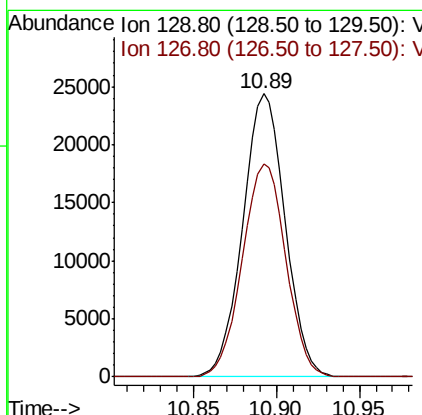
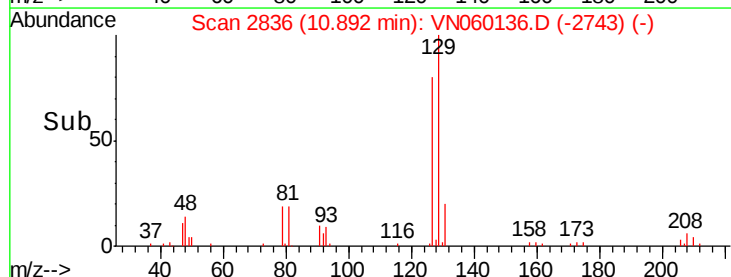
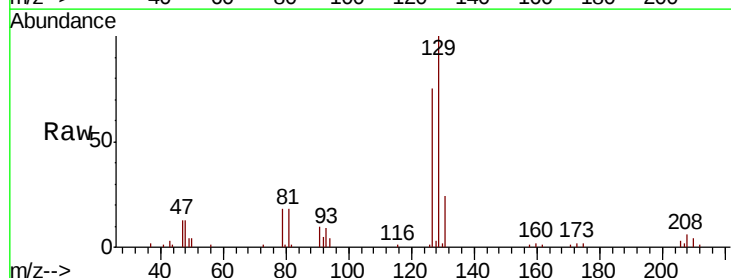
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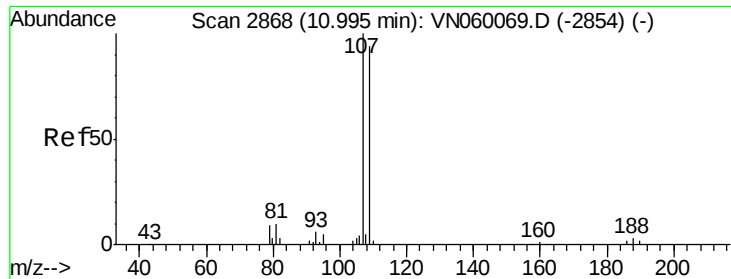
MMDadoda
2/19/2020 5:06:10 PM



#60
Dibromochloromethane
Concen: 19.513 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion: 129 Resp: 43245
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.832 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBS01

Tot Ion: 107 Resp: 40149

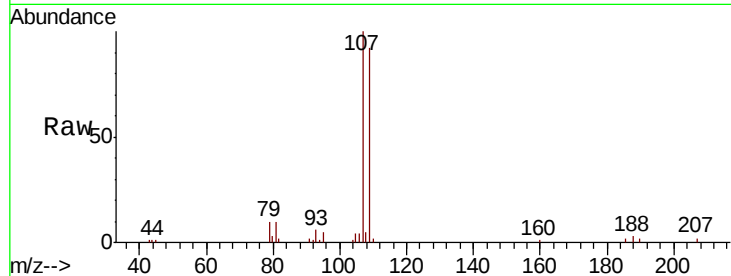
Ion Ratio Lower Upper

107 100

109 93.6 75.4 113.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

25000

20000

15000

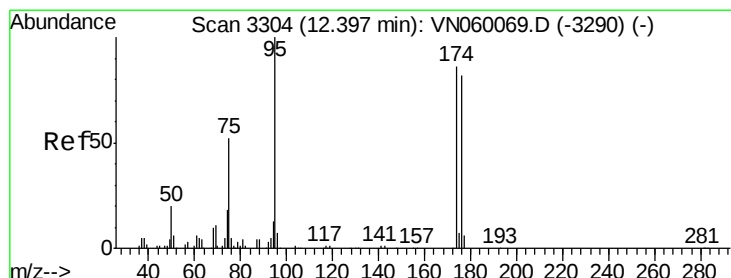
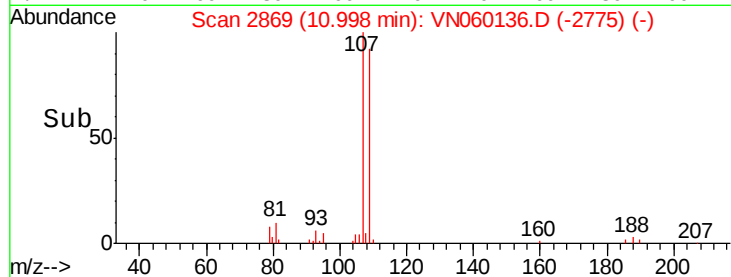
10000

5000

0

10.95 11.00 11.05

Time-->



#62

4-Bromofluorobenzene

Concen: 49.159 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

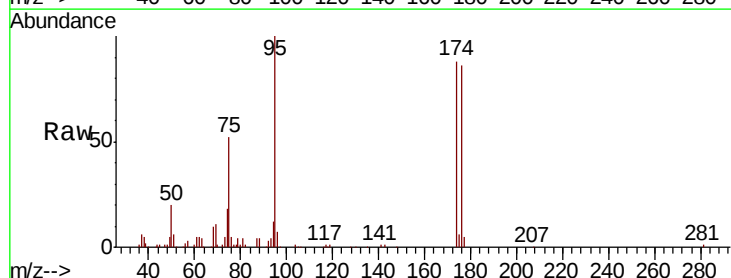
Tgt Ion: 95 Resp: 122852

Ion Ratio Lower Upper

95 100

174 86.9 0.0 169.8

176 83.4 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

60000

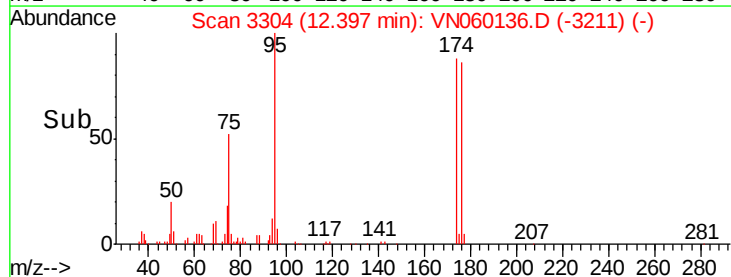
40000

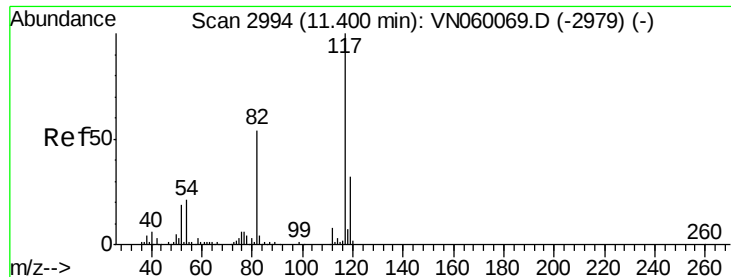
20000

0

12.35 12.40 12.45

Time-->





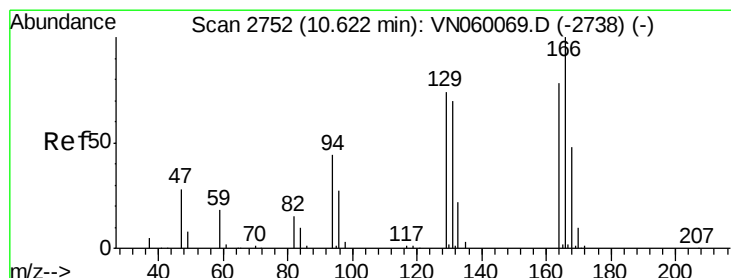
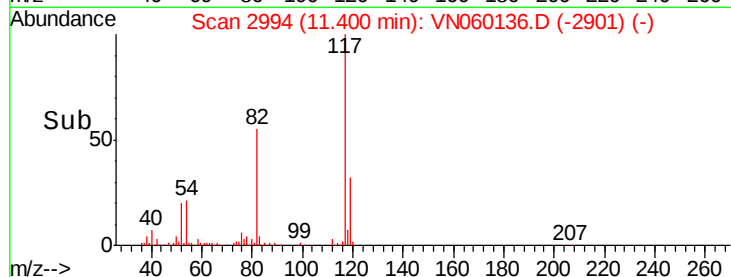
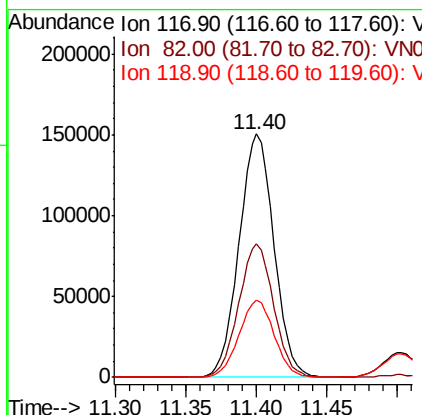
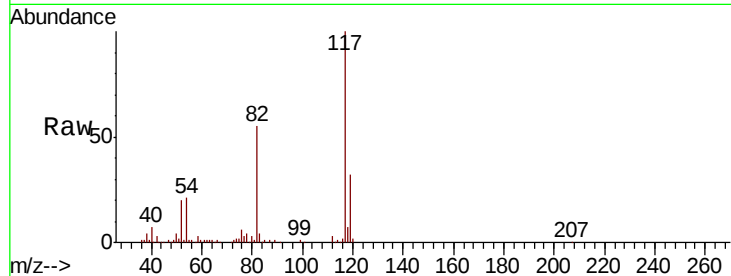
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.4	65.0
119	31.5	25.8	38.6

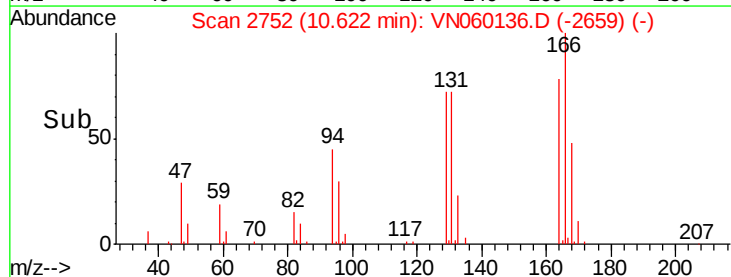
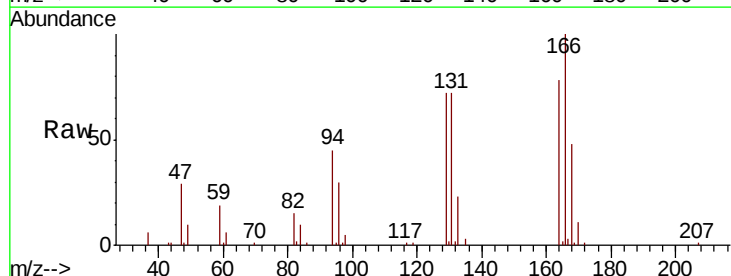
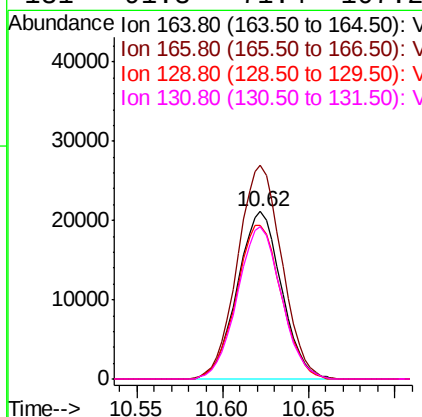
Manual Integrations
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#64
Tetrachloroethene
Concen: 18.914 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.9	152.9
129	92.2	75.4	113.0
131	91.3	71.4	107.2





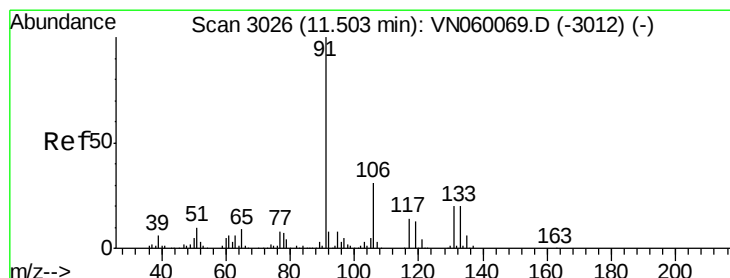
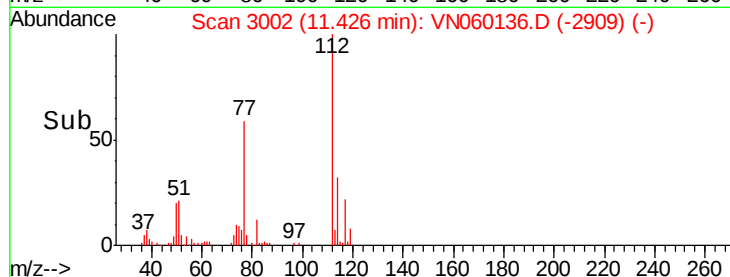
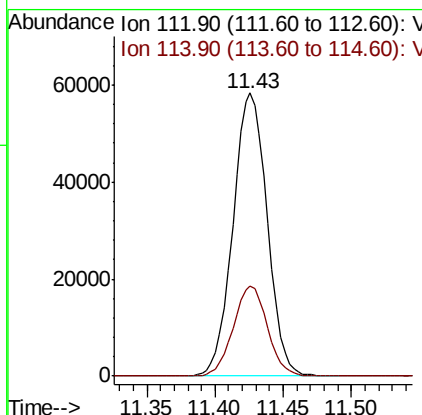
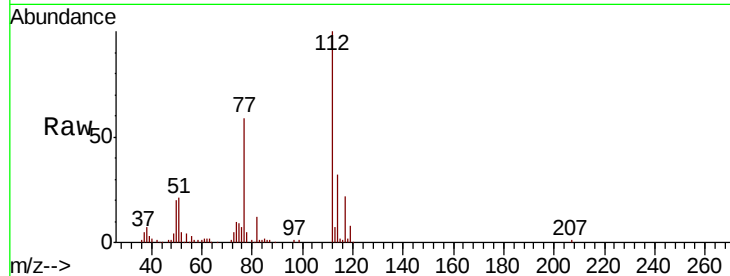
#65
Chlorobenzene
Concen: 19.043 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.4	38.0

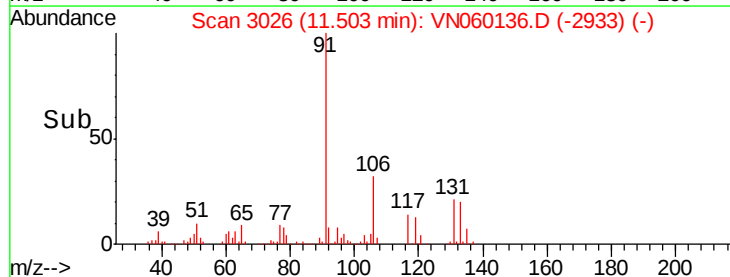
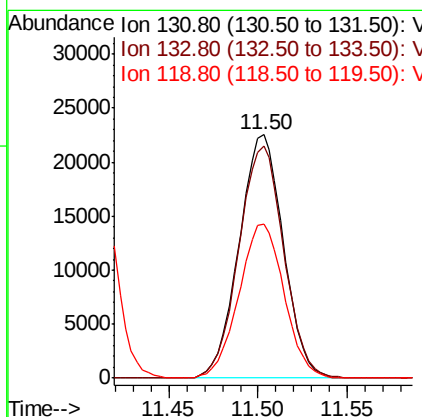
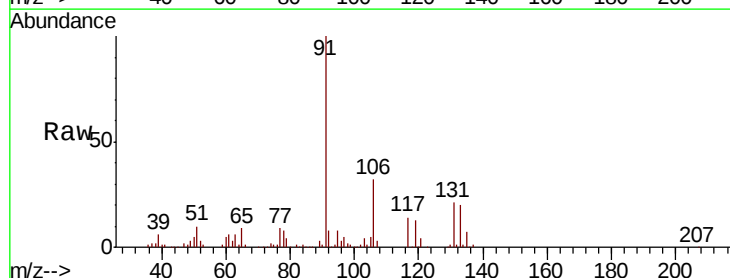
Manual Integrations
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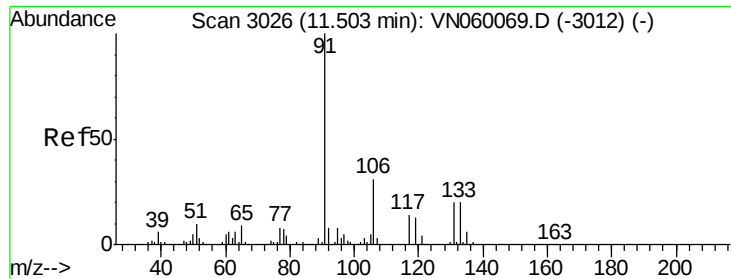
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.408 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.9	143.7
119	64.6	32.6	97.7





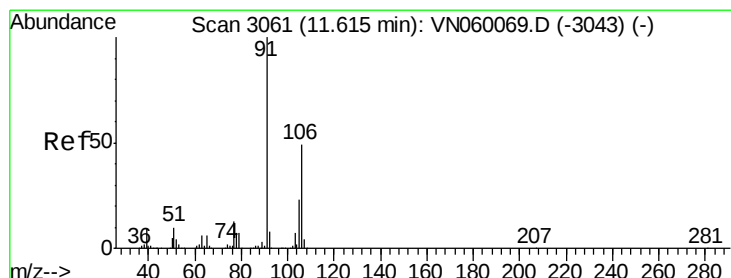
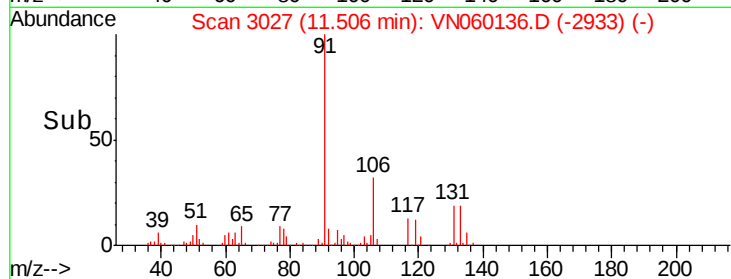
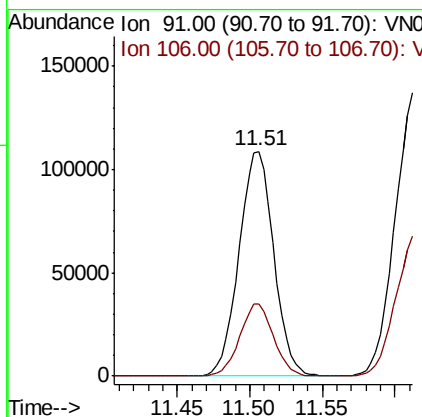
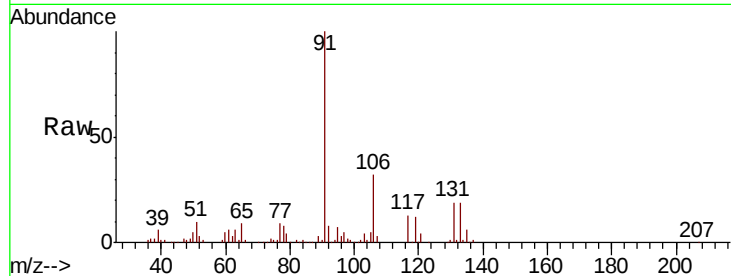
#67
Ethyl Benzene
Concen: 18.871 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0218MBS01

Tot Ion	91.00	Resp	181129
Ion Ratio	100	Lower	Upper
91	100		
106	31.8	25.1	37.7

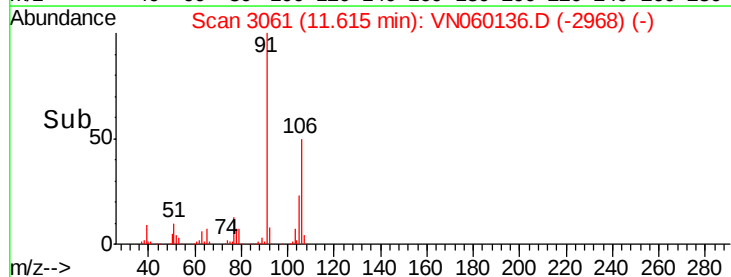
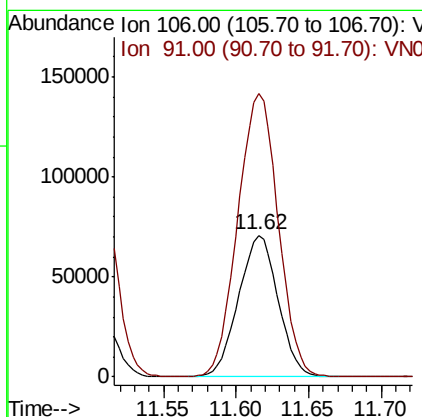
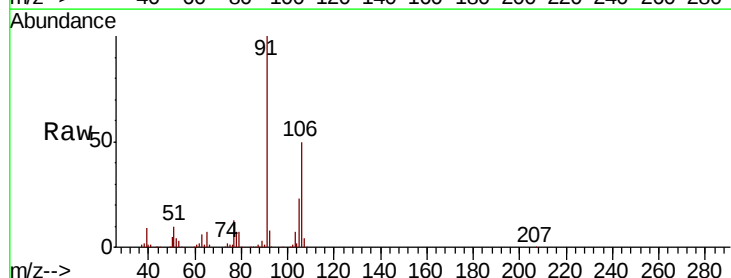
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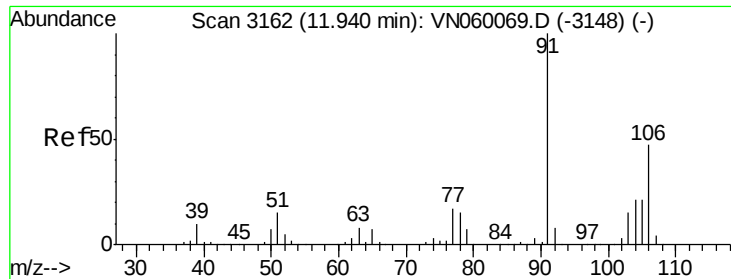
MMDadoda
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#68
m/p-Xylenes
Concen: 37.361 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	106	Resp	134584
Ion Ratio	100	Lower	Upper
106	100		
91	204.4	162.7	244.1





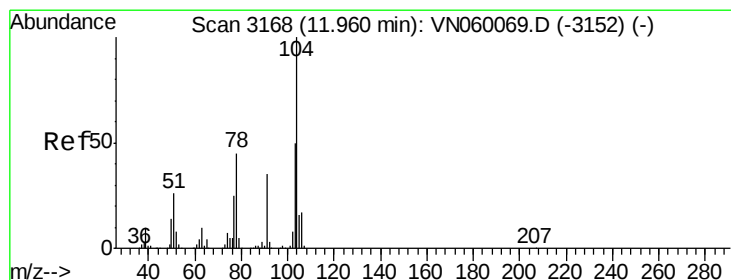
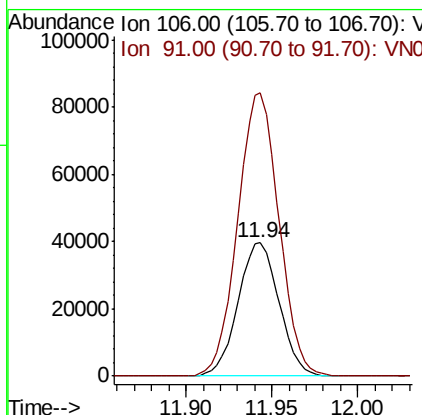
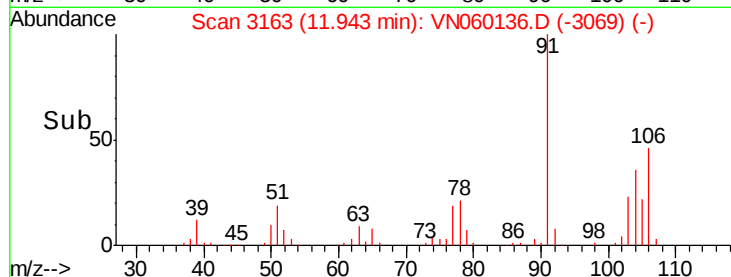
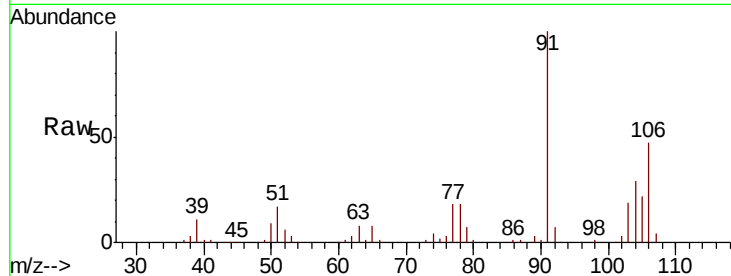
#69
o-Xylene
Concen: 18.988 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion:106 Resp: 65860
Ion Ratio Lower Upper
106 100
91 213.2 107.2 321.6

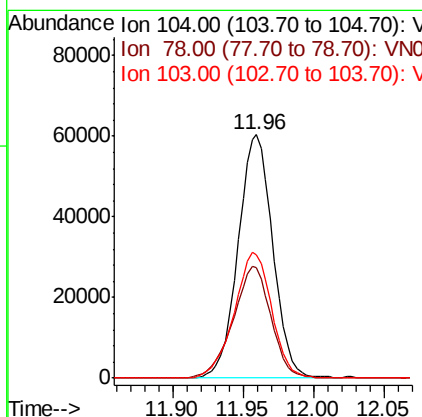
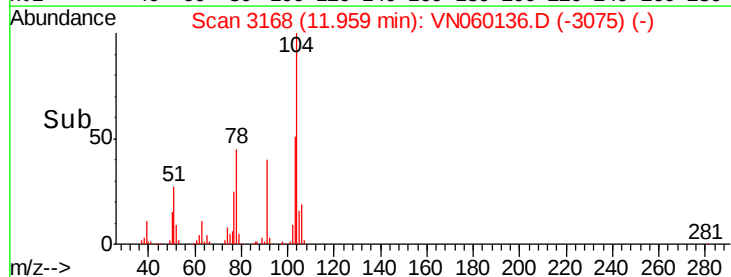
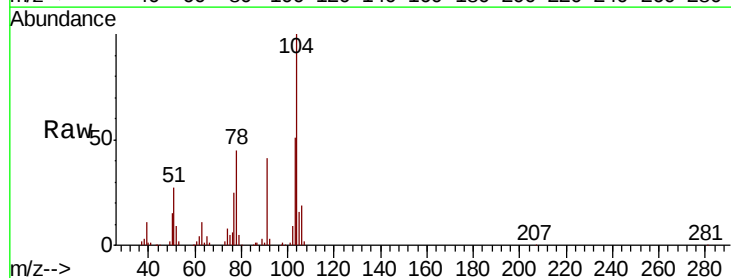
Manual Integrations
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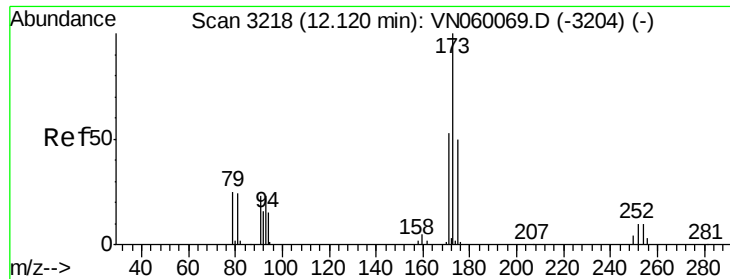
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#70
Styrene
Concen: 18.614 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion:104 Resp: 104111
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.2
103 55.8 44.3 66.5





#71

Bromoform

Concen: 19.303 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

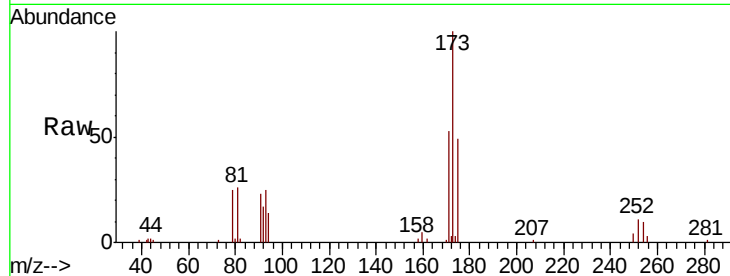
ClientSampleId :

VN0218MBS01

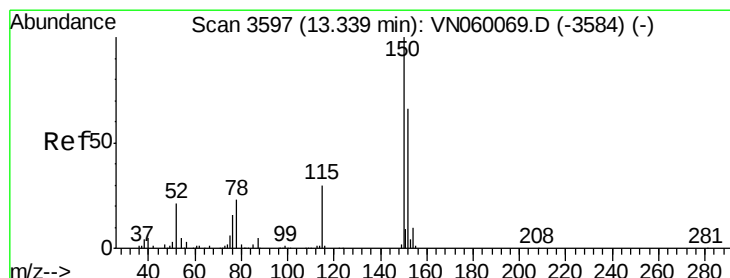
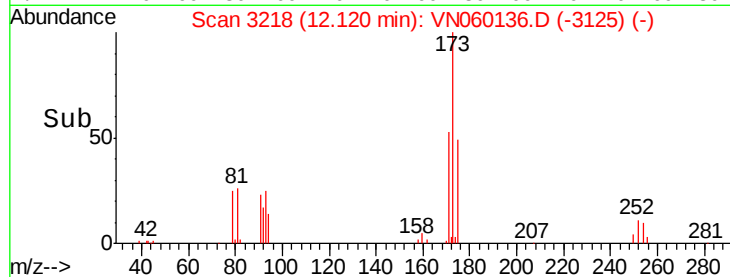
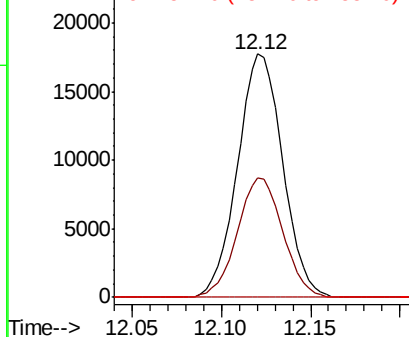
Tot Ion:	173	Resp:	31255
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

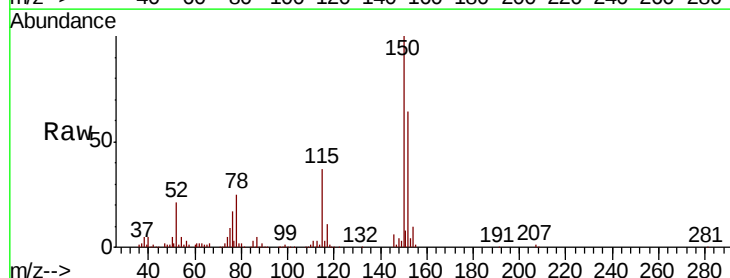
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

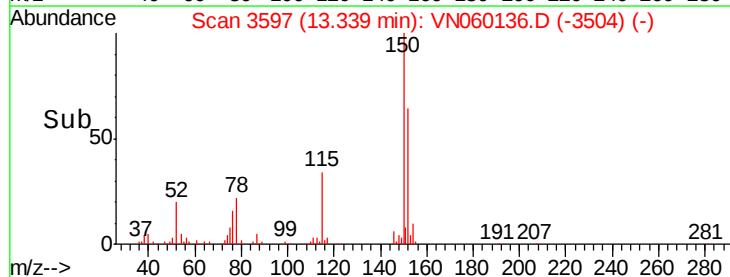
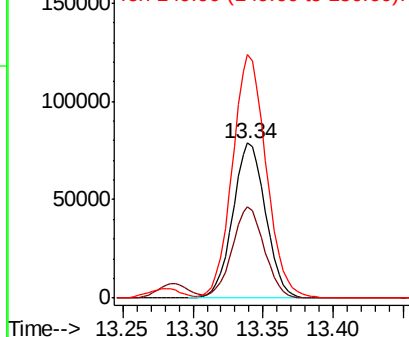
Lab File: VN060136.D

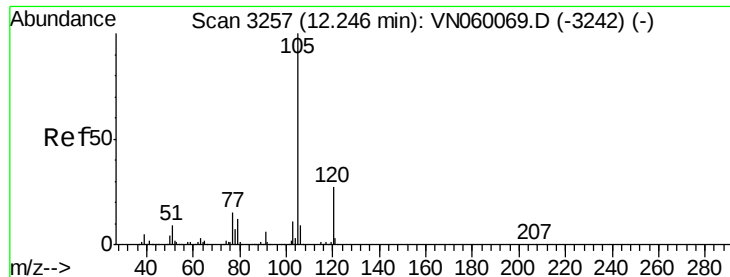
Acq: 18 Feb 2020 12:08

Tgt Ion:	152	Resp:	128336
Ion Ratio	Lower	Upper	
152	100		
115	57.7	28.9	86.8
150	162.5	0.0	342.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.313 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBS01

Tot Ion: 105 Resp: 175499

Ion Ratio Lower Upper

105 100

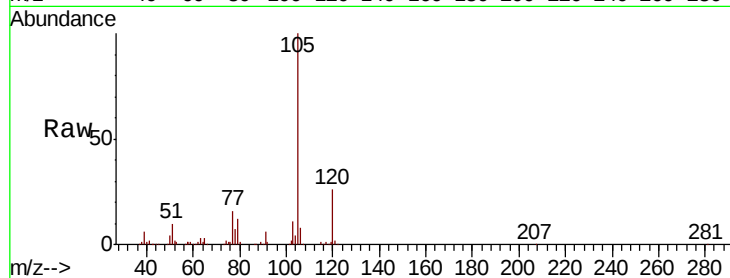
120 26.3 13.3 39.8

Manual Integrations

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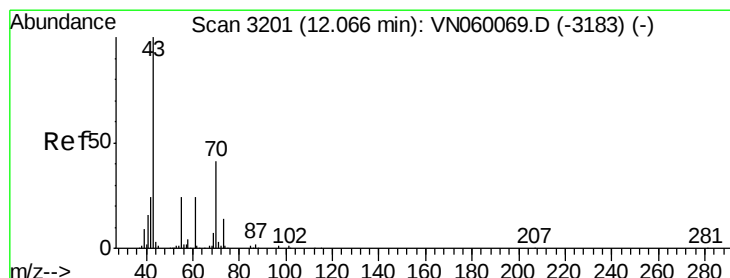
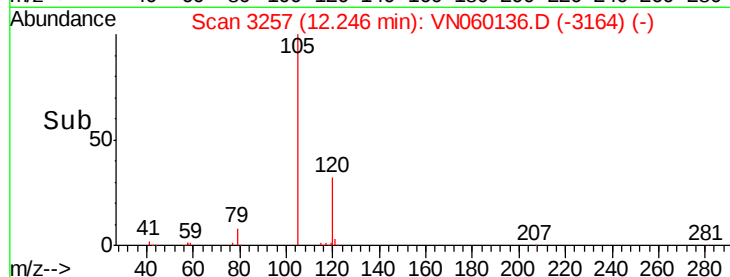
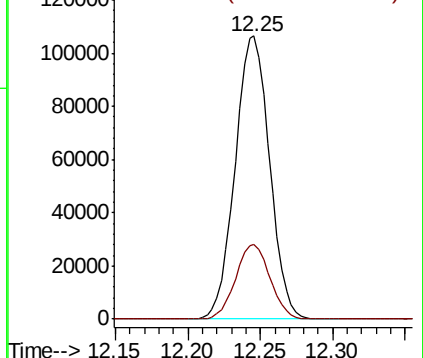
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.563 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion: 43 Resp: 67604

Ion Ratio Lower Upper

43 100

70 41.9 33.4 50.0

55 24.8 18.8 28.2

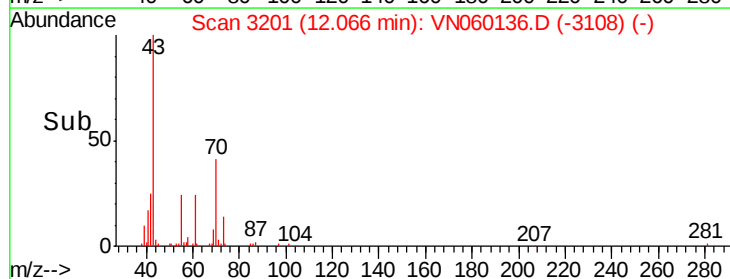
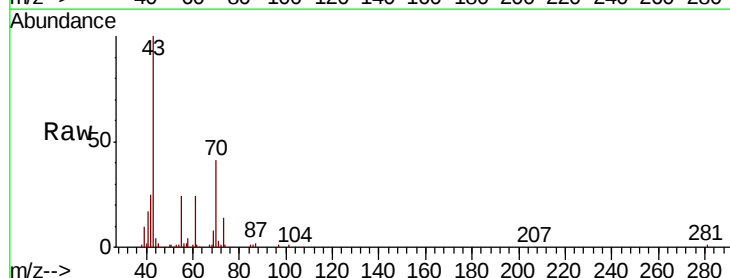
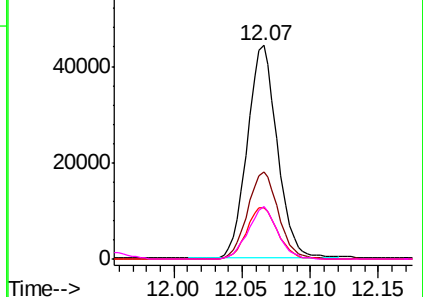
61 23.8 19.2 28.8

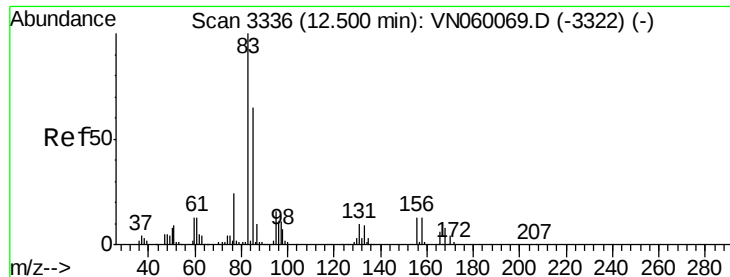
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.819 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

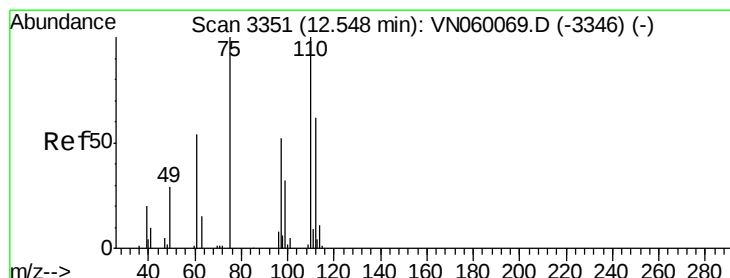
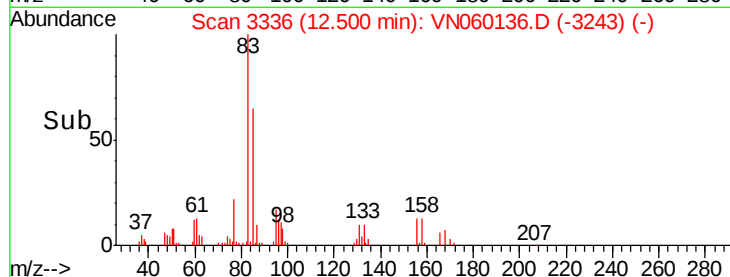
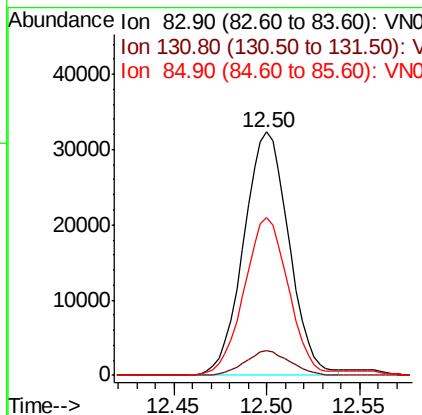
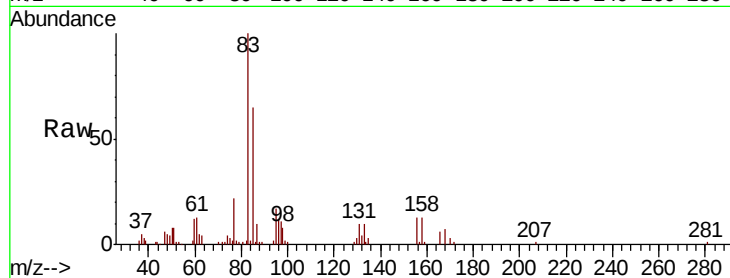
ClientSampleId :

VN0218MBS01

Tot Ion:	83	Resp:	54671
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.2	15.6
85	63.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 29.761 ug/l

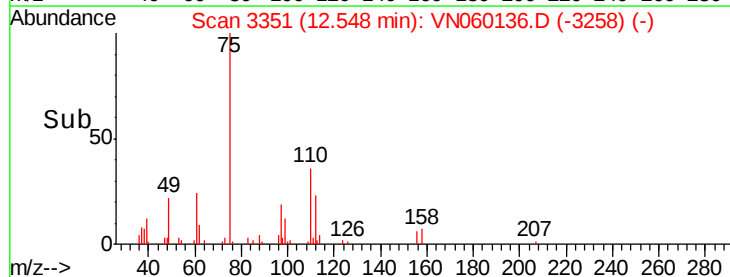
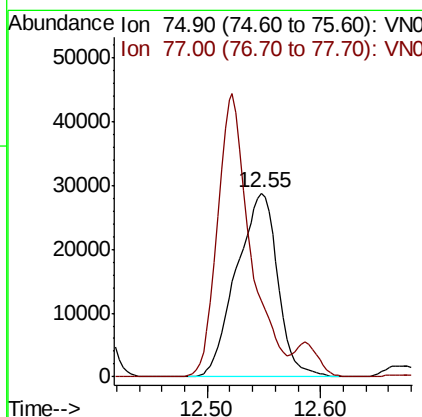
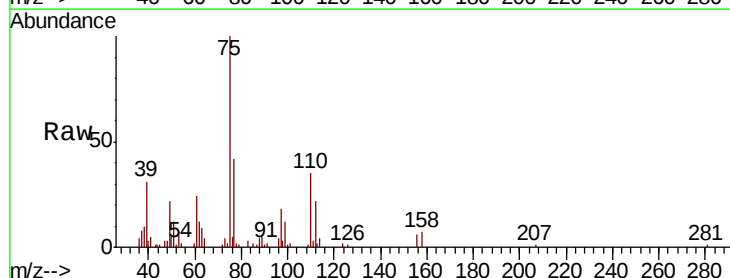
RT: 12.55 min Scan# 3351

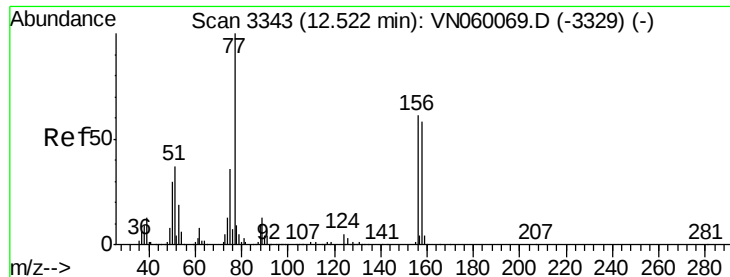
Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	75	Resp:	73073
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.820 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

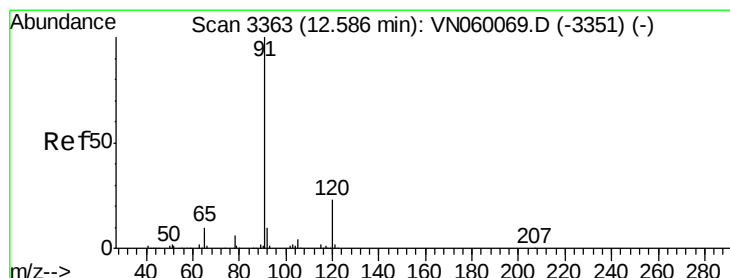
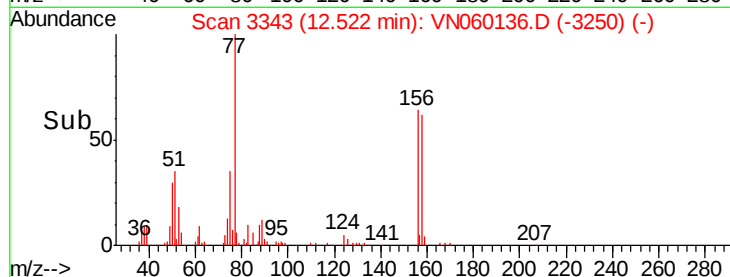
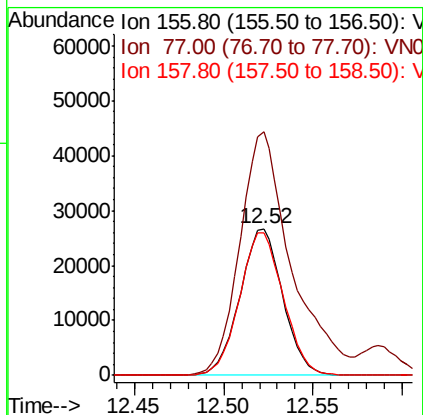
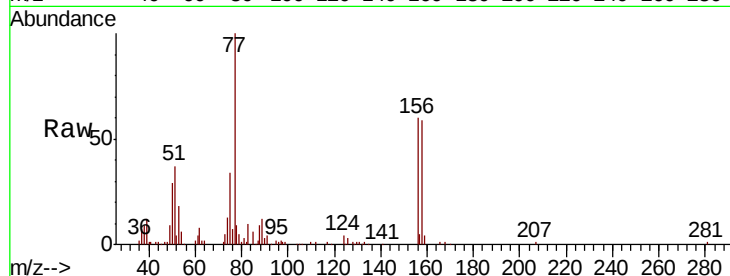
ClientSampleId :

VN0218MBS01

Tot Ion:	156	Resp:	44760
Ion	Ratio	Lower	Upper
156	100		
77	199.6	98.7	296.1
158	99.6	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.216 ug/l

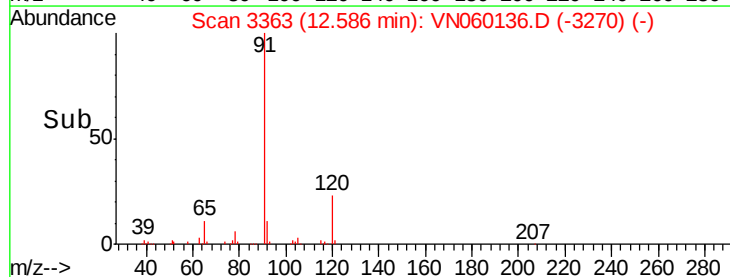
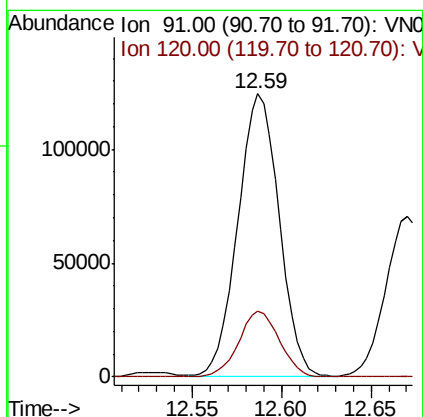
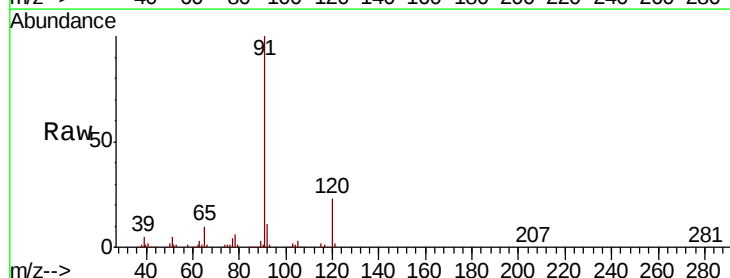
RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	91	Resp:	198897
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.259 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0218MBS01

Tot Ion: 91 Resp: 117178

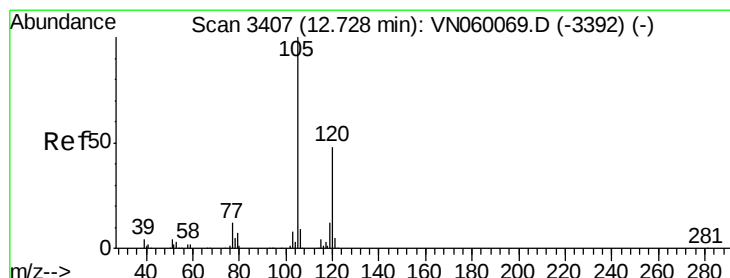
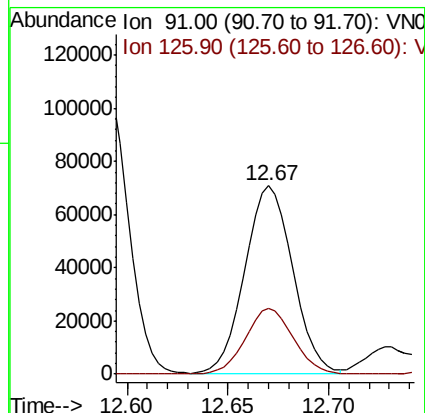
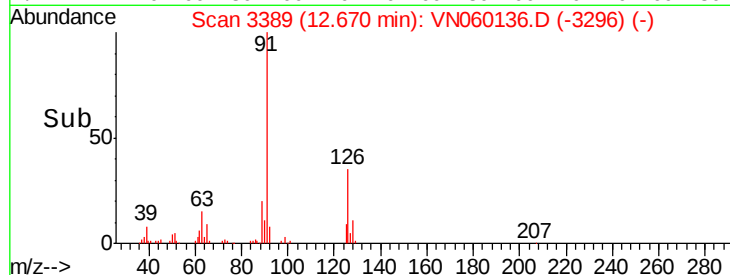
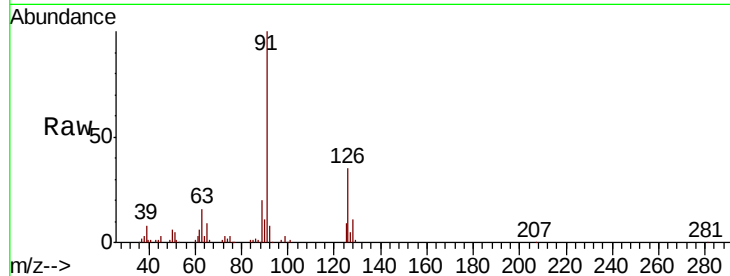
Ion Ratio Lower Upper

91 100

126 34.9 17.4 52.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 18.784 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060136.D

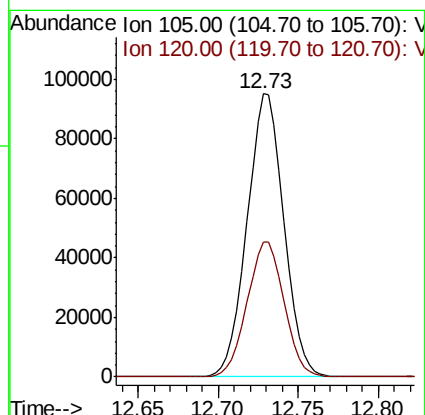
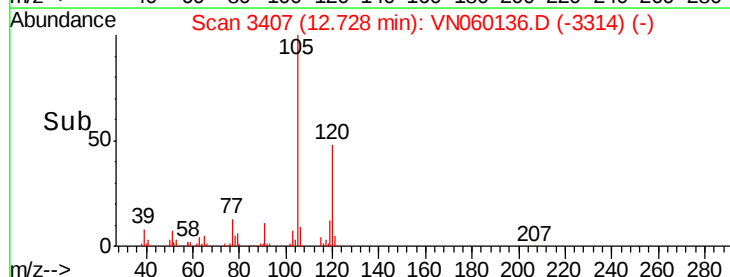
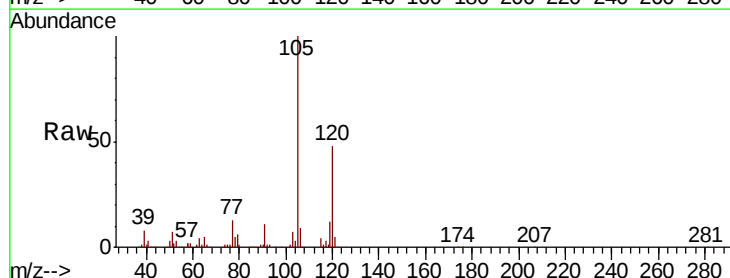
Acq: 18 Feb 2020 12:08

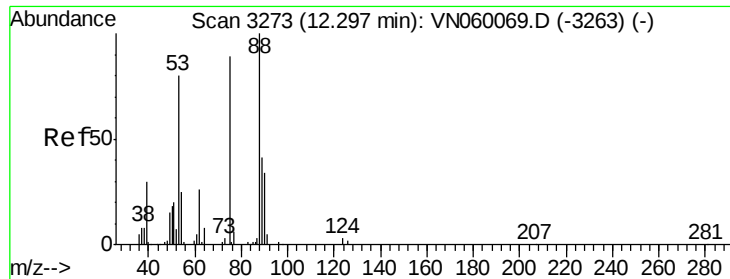
Tgt Ion: 105 Resp: 149672

Ion Ratio Lower Upper

105 100

120 47.7 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.085 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

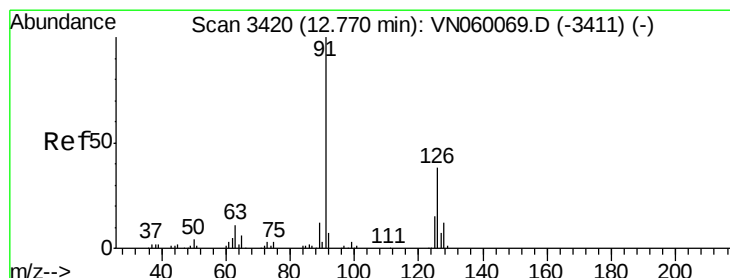
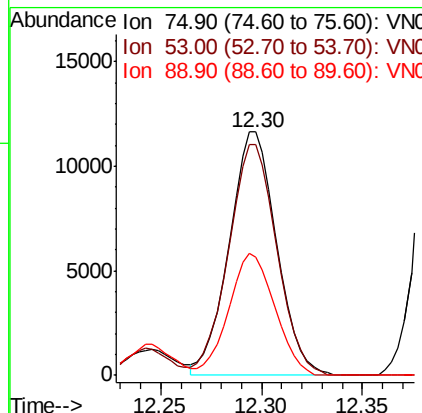
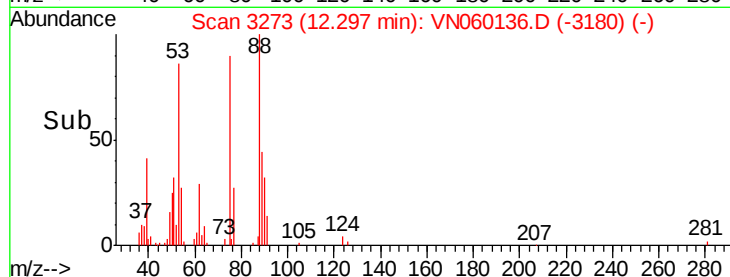
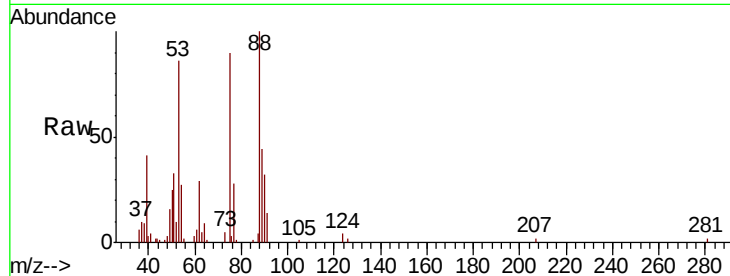
ClientSampleId :

VN0218MBS01

Tot Ion:	75	Resp:	19138
Ion	Ratio	Lower	Upper
75	100		
53	96.8	73.9	110.9
89	48.8	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.266 ug/l

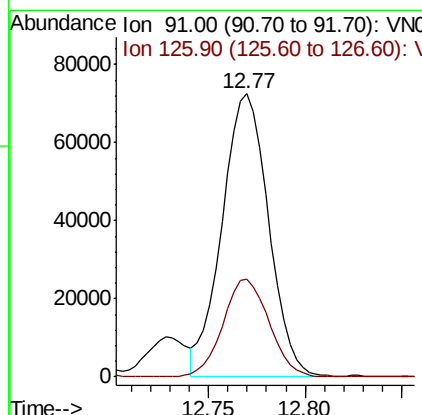
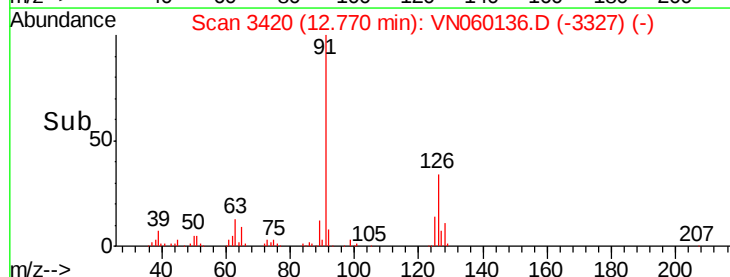
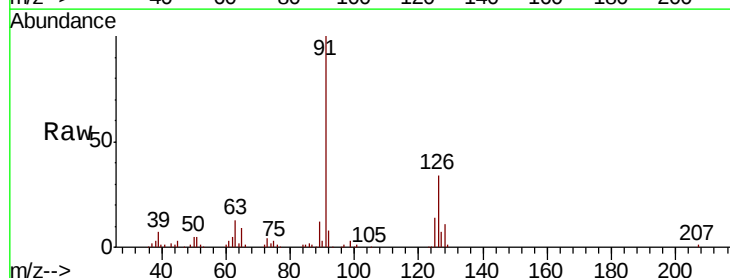
RT: 12.77 min Scan# 3420

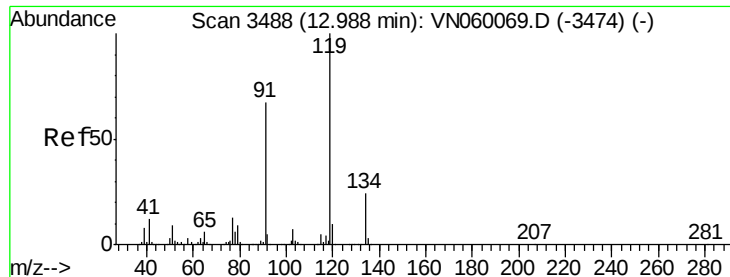
Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	91	Resp:	120268
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.1	51.3





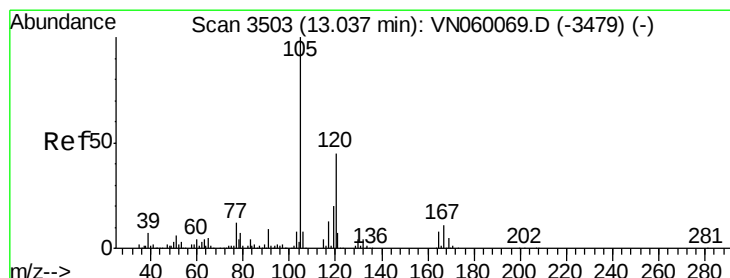
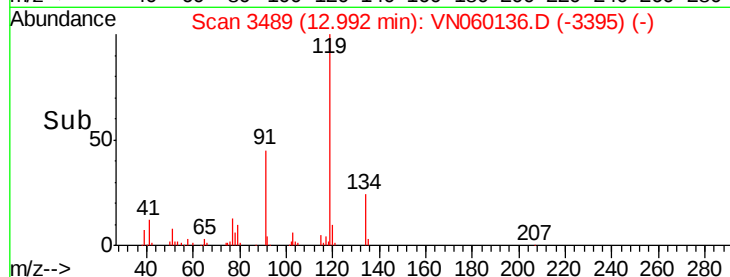
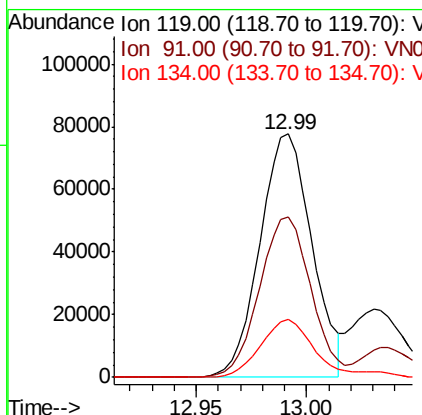
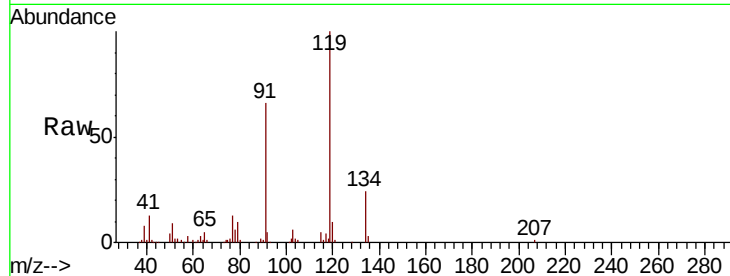
#83
tert-Butylbenzene
Concen: 18.002 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	126890		
91	65.2	32.7	98.1	
134	25.5	12.9	38.7	

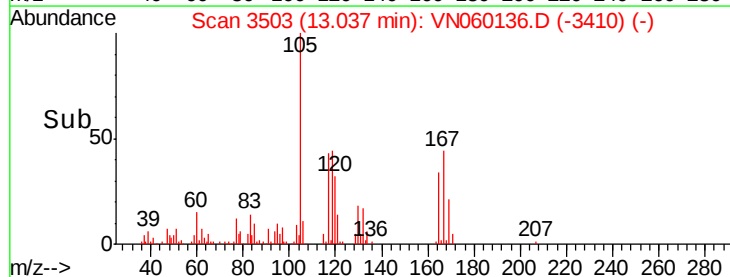
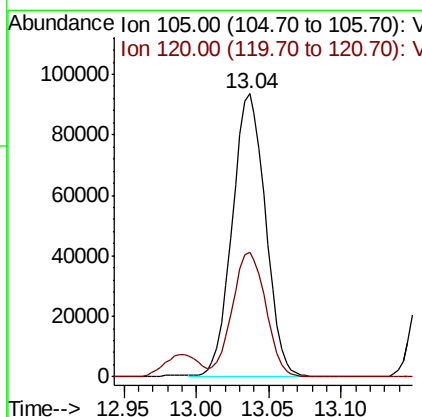
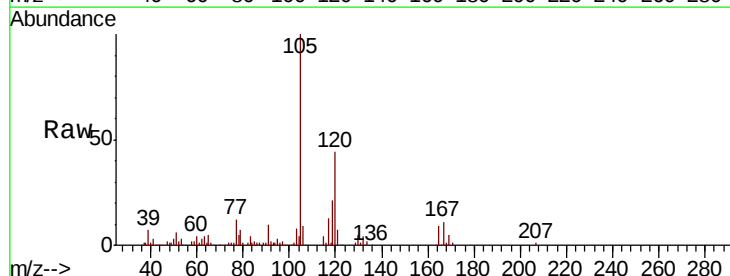
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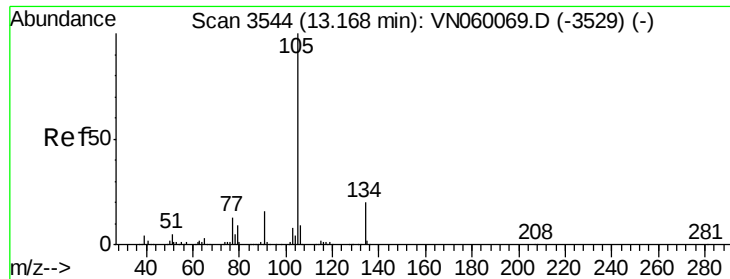
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#84
1,2,4-Trimethylbenzene
Concen: 18.988 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149351		
120	44.6	22.4	67.3	





#85

sec-Butylbenzene

Concen: 18.087 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

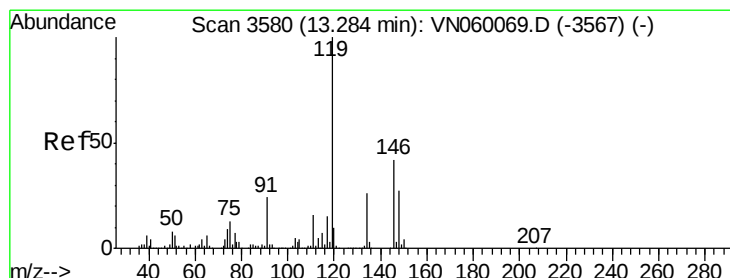
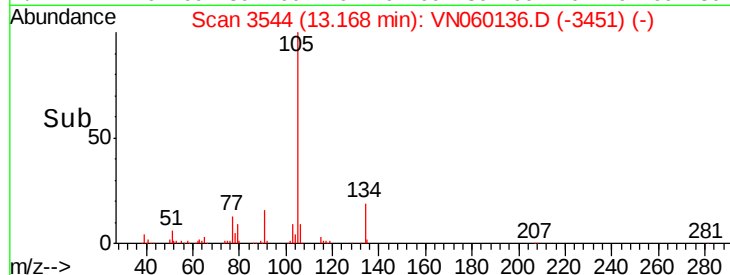
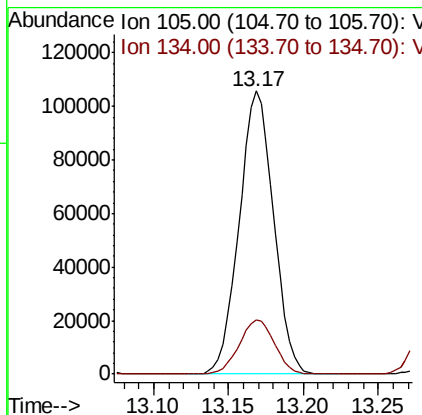
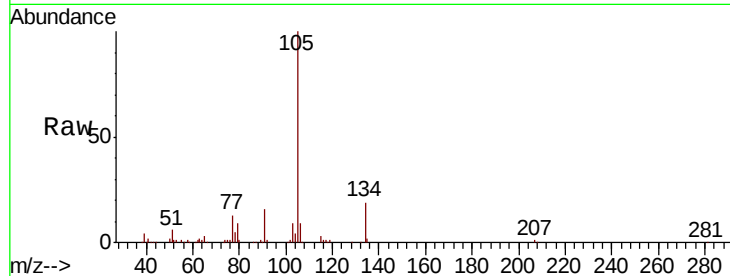
ClientSampleId :

VN0218MBS01

Tot Ion:	105	Resp:	168847
Ion Ratio	Lower	Upper	
105	100		
134	19.7	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 18.558 ug/l

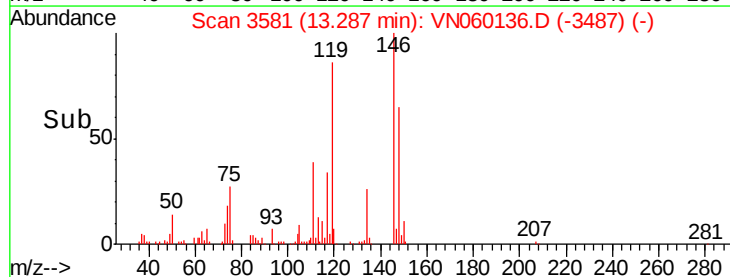
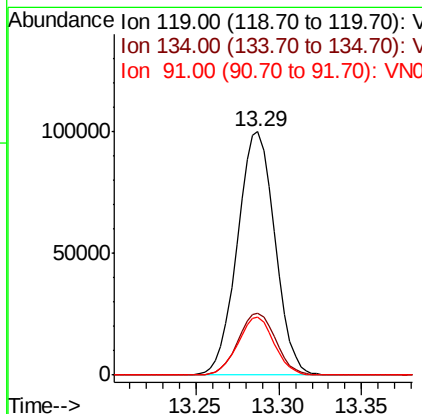
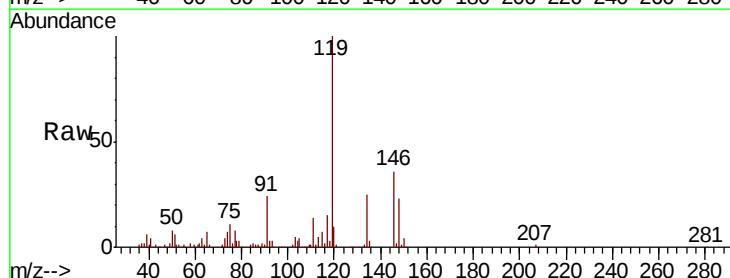
RT: 13.29 min Scan# 3581

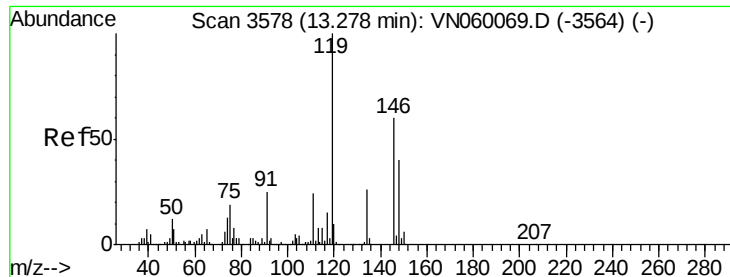
Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	119	Resp:	156961
Ion Ratio	Lower	Upper	
119	100		
134	25.7	13.3	39.8
91	23.1	11.9	35.9





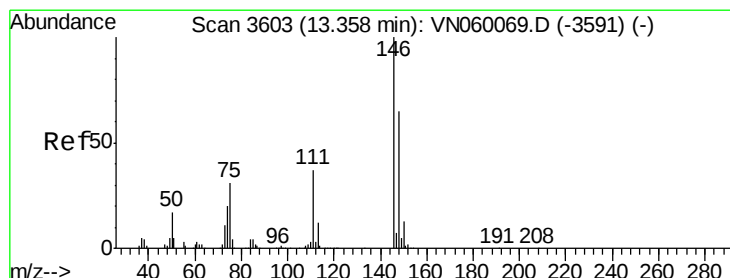
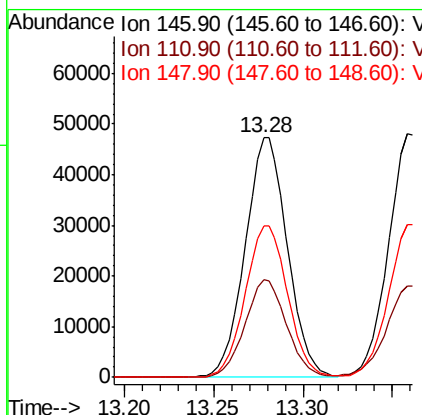
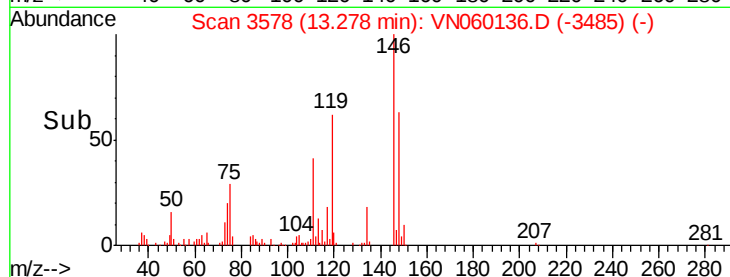
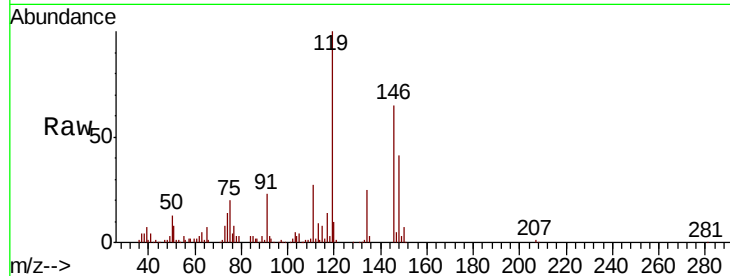
#87
 1,3-Dichlorobenzene
 Concen: 18.558 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.3
148	63.6	32.0	96.2

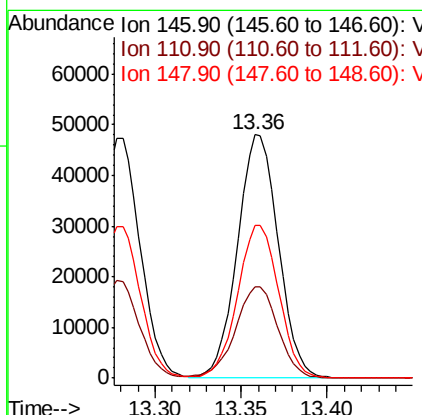
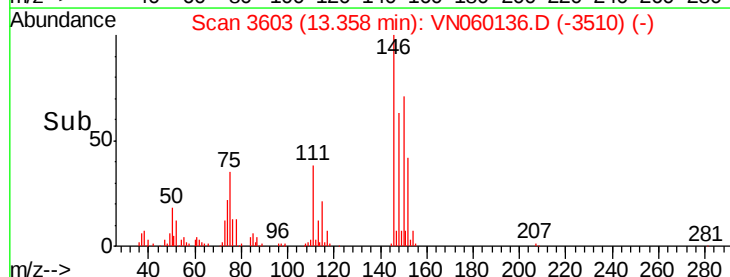
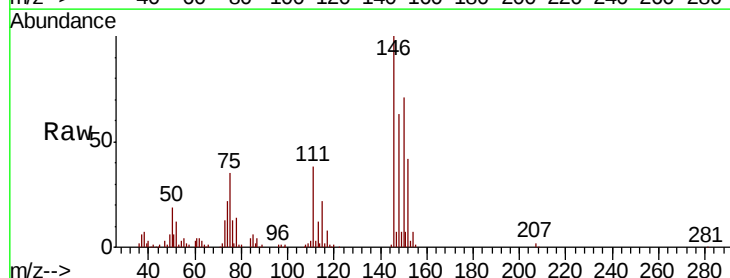
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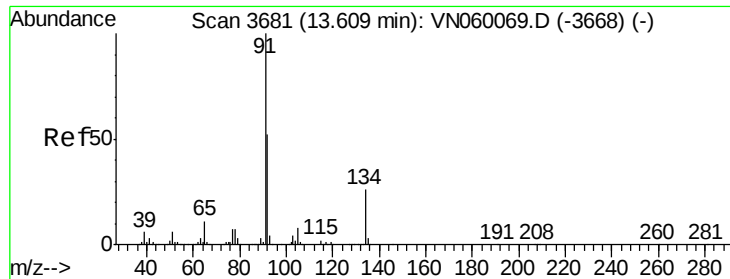
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#88
 1,4-Dichlorobenzene
 Concen: 18.734 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.9	56.5
148	64.1	32.0	96.0





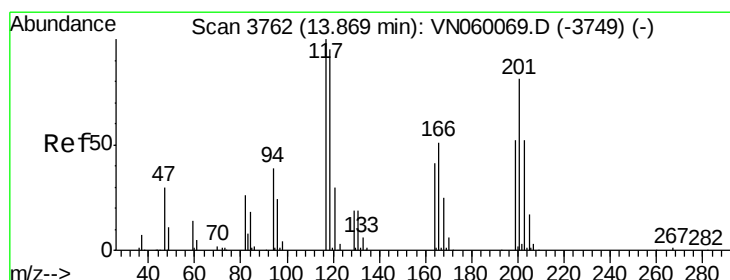
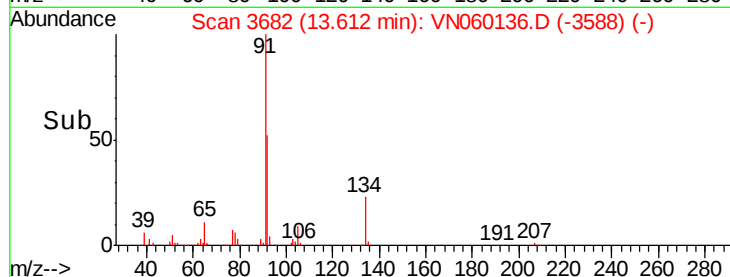
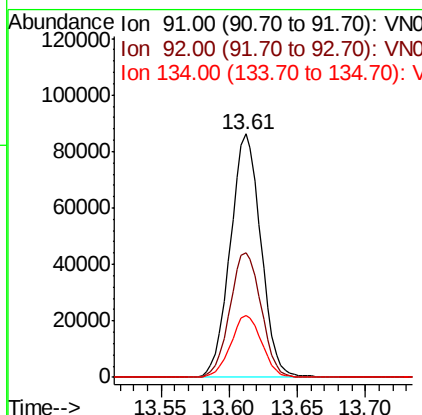
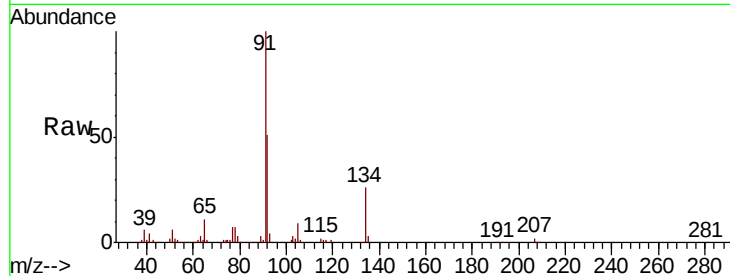
#89
n-Butylbenzene
Concen: 18.077 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.2
134	25.6	13.1	39.3

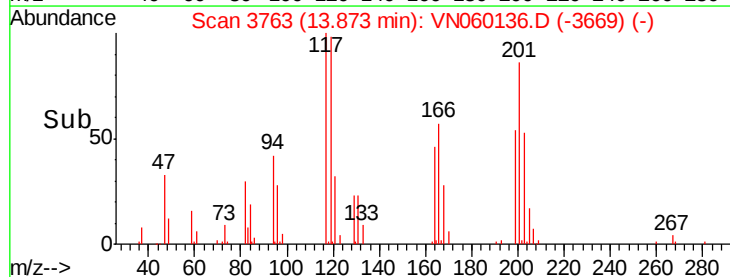
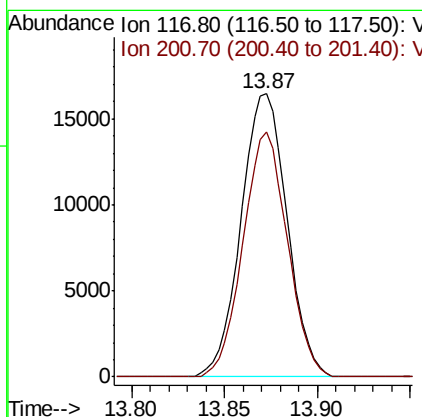
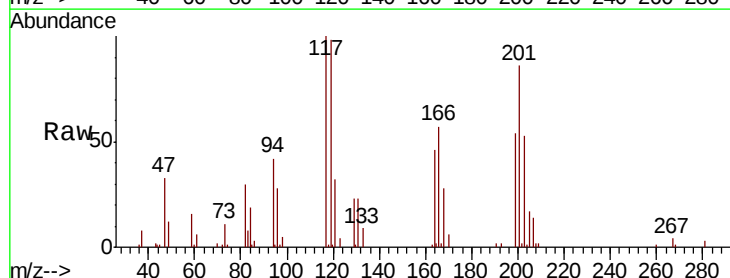
Manual Integrations
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#90
Hexachloroethane
Concen: 17.942 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 18.752 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Instrument :

MSVOA_N

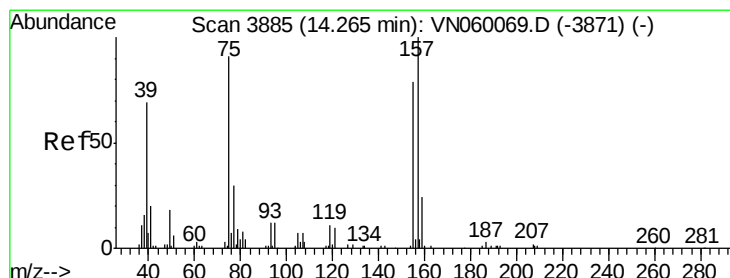
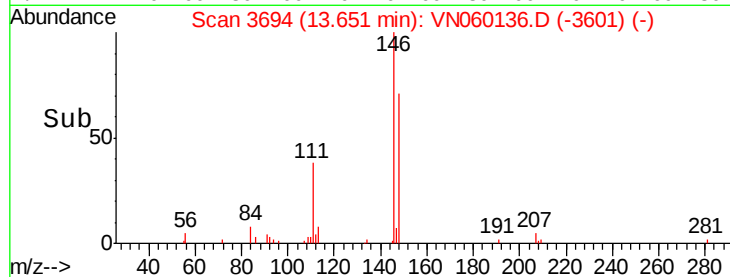
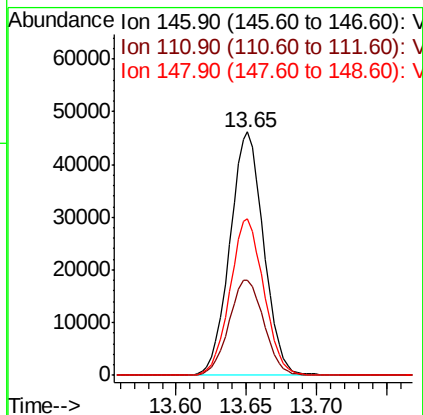
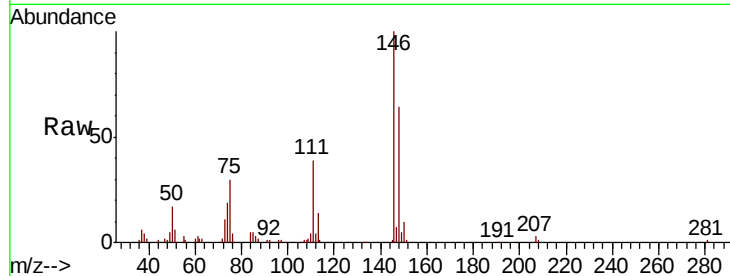
ClientSampleId :

VN0218MBS01

Tot Ion:	146	Resp:	77259
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.1	60.2
148	64.2	31.9	95.5

Manual Integrations
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2/19/2020 5:06:10 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.250 ug/l

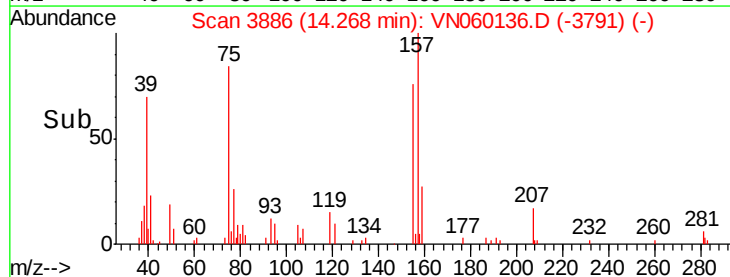
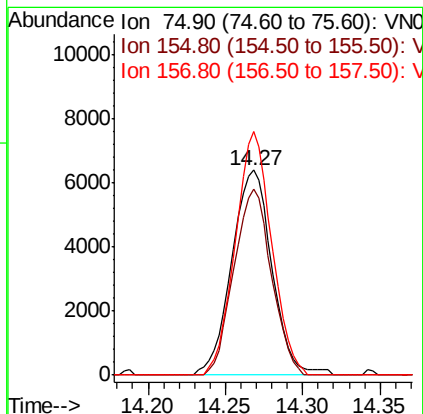
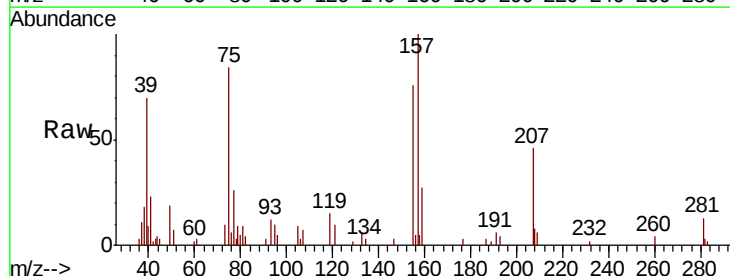
RT: 14.27 min Scan# 3886

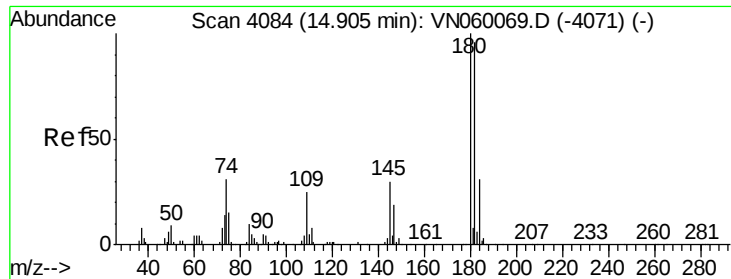
Delta R.T. 0.00 min

Lab File: VN060136.D

Acq: 18 Feb 2020 12:08

Tgt Ion:	75	Resp:	11569
Ion Ratio	Lower	Upper	
75	100		
155	84.2	43.0	129.0
157	106.9	54.9	164.5





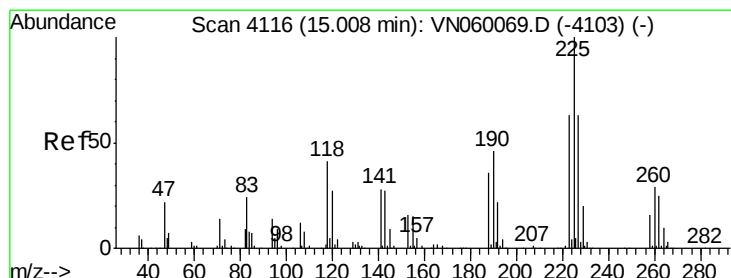
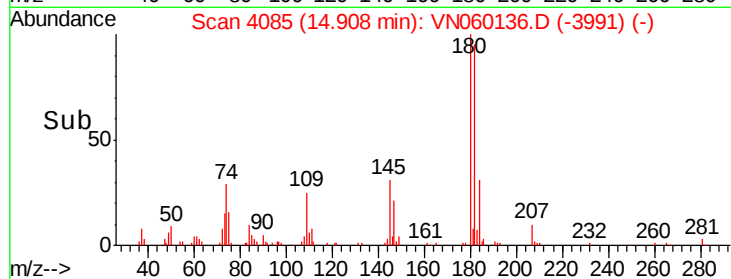
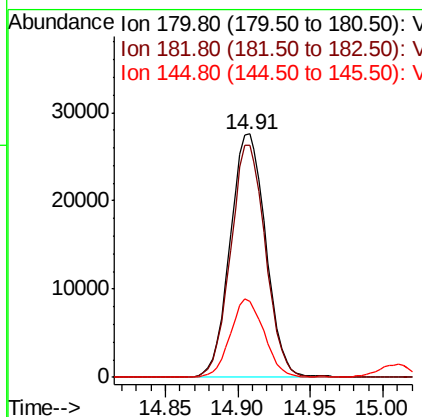
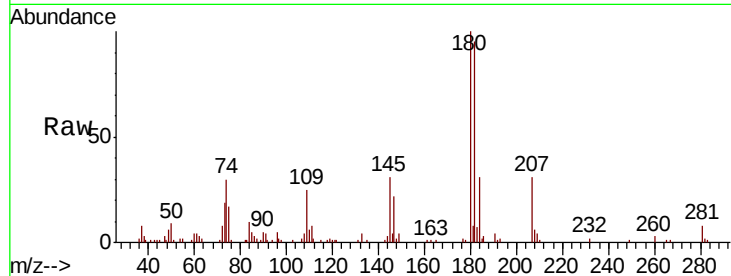
#93
 1,2,4-Trichlorobenzene
 Concen: 19.490 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47182		
182	92.7	47.9	143.8	
145	30.4	15.2	45.5	

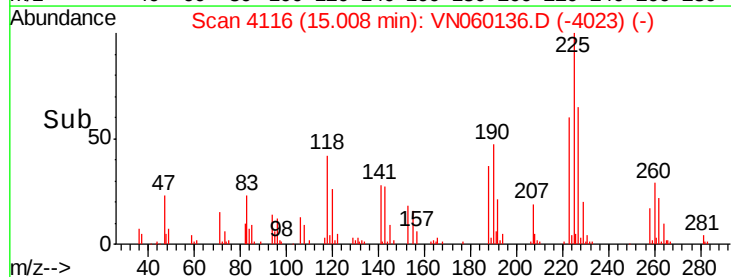
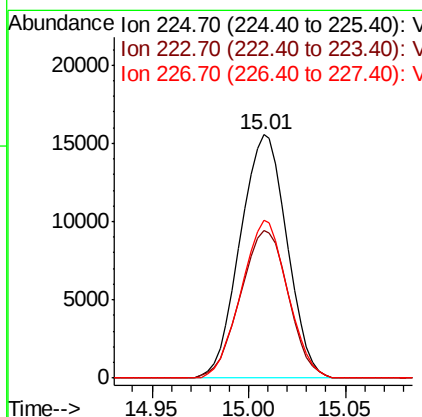
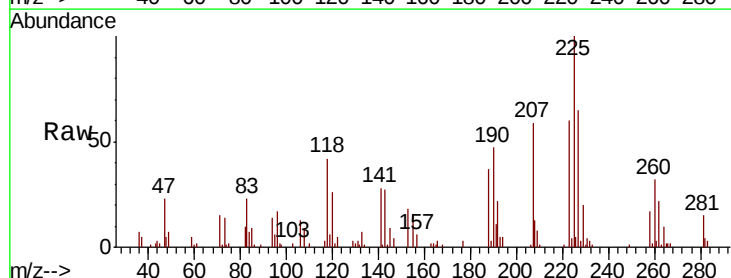
Manual Integrations
 APPROVED

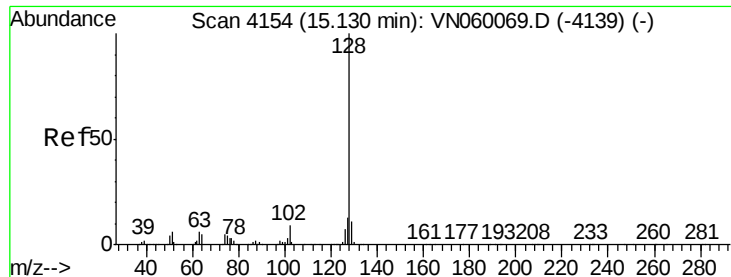
MMDadoda
 2/19/2020 5:06:10 PM



#94
 Hexachlorobutadiene
 Concen: 18.484 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060136.D
 Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	26195		
223	62.0	31.5	94.5	
227	64.1	31.8	95.4	





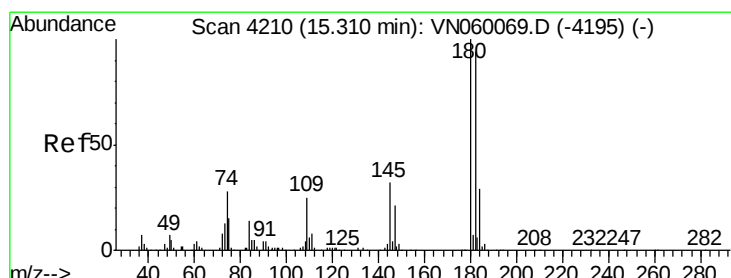
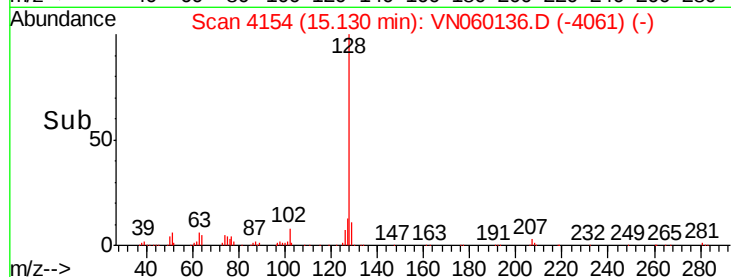
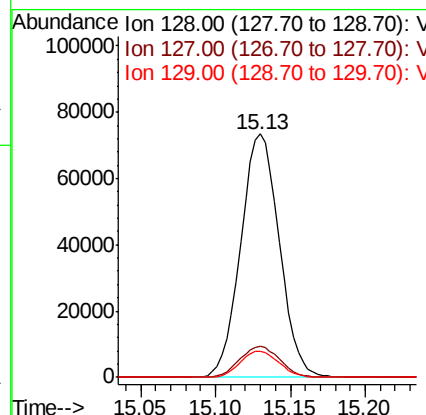
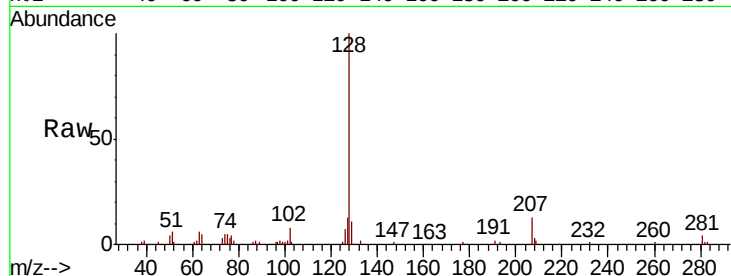
#95
Naphthalene
Concen: 20.165 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0218MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	131863		
127	13.1	10.3	15.5	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/19/2020 5:06:10 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.640 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060136.D
Acq: 18 Feb 2020 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47347		
182	95.0	47.5	142.5	
145	33.4	16.1	48.3	

