

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031220\
 Data File : VN060468.D
 Acq On : 12 Mar 2020 11:01
 Operator : JC/MD
 Sample : VN0312WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 11:49:39 AM

Quant Time: Mar 13 02:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	181918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	297243	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	276462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	130076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	116755	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.56	113	87406	63.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.70%	
50) Toluene-d8	10.08	98	332331	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	125725	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	25571	15.331	ug/l 99
3) Chloromethane	2.04	50	47608	16.395	ug/l 98
4) Vinyl Chloride	2.16	62	38315	15.385	ug/l 99
5) Bromomethane	2.55	94	17127	15.423	ug/l 98
6) Chloroethane	2.68	64	22529	16.696	ug/l 100
7) Trichlorofluoromethane	3.00	101	52803	16.595	ug/l 100
8) Diethyl Ether	3.38	74	22406	18.651	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	31942	17.738	ug/l 98
10) Methyl Iodide	3.92	142	23205	14.120	ug/l 100
11) Tert butyl alcohol	4.72	59	33973	98.025	ug/l 99
12) 1,1-Dichloroethene	3.71	96	30128	17.188	ug/l 93
13) Acrolein	3.57	56	33510	103.643	ug/l 100
14) Allyl chloride	4.29	41	60041	18.632	ug/l 99
15) Acrylonitrile	4.94	53	94214	103.135	ug/l 99
16) Acetone	3.78	43	78218	103.774	ug/l 99
17) Carbon Disulfide	4.03	76	72113	15.056	ug/l 99
18) Methyl Acetate	4.29	43	49823	19.808	ug/l 95
19) Methyl tert-butyl Ether	5.00	73	122891	19.367	ug/l 100
20) Methylene Chloride	4.52	84	37243	17.992	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	33191	17.398	ug/l 96
22) Diisopropyl ether	5.91	45	132294	20.268	ug/l 98
23) Vinyl Acetate	5.86	43	517034	99.682	ug/l 99
24) 1,1-Dichloroethane	5.82	63	71040	19.227	ug/l 99
25) 2-Butanone	6.80	43	125293	102.914	ug/l 99
26) 2,2-Dichloropropane	6.79	77	61286	18.219	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	41682	17.366	ug/l 98
28) Bromochloromethane	7.17	49	31078	20.486	ug/l 95
29) Tetrahydrofuran	7.18	42	85127	100.553	ug/l 98
30) Chloroform	7.34	83	70275	19.106	ug/l 99
31) Cyclohexane	7.63	56	59934	18.154	ug/l 96
32) 1,1,1-Trichloroethane	7.54	97	58967	18.094	ug/l 99
36) 1,1-Dichloropropene	7.77	75	48532	17.132	ug/l 98
37) Ethyl Acetate	6.89	43	54307	20.246	ug/l 99
38) Carbon Tetrachloride	7.75	117	46918	17.011	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	54650	16.362	ug/l	97
40) Benzene	8.02	78	151135	18.330	ug/l	99
41) Methacrylonitrile	7.14	41	21877m	17.663	ug/l	
42) 1,2-Dichloroethane	8.10	62	56863	19.111	ug/l	99
43) Isopropyl Acetate	8.14	43	94641	20.154	ug/l	99
44) Trichloroethene	8.81	130	40592	17.677	ug/l	99
45) 1,2-Dichloropropane	9.10	63	43747	20.293	ug/l	98
46) Dibromomethane	9.19	93	26132	18.682	ug/l	99
47) Bromodichloromethane	9.38	83	54694	19.225	ug/l	97
48) Methyl methacrylate	9.18	41	39916	18.640	ug/l	99
49) 1,4-Dioxane	9.18	88	11737	389.751	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	272846	102.476	ug/l	99
52) Toluene	10.14	92	94706	18.285	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64477	18.496	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	68068	18.844	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	39838	19.127	ug/l	99
56) Ethyl methacrylate	10.42	69	56654	18.933	ug/l	96
57) 1,3-Dichloropropane	10.70	76	67138	19.766	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	157816	100.840	ug/l	98
59) 2-Hexanone	10.74	43	192591	98.518	ug/l	99
60) Dibromochloromethane	10.89	129	41076	19.392	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38602	19.012	ug/l	98
64) Tetrachloroethene	10.62	164	39781	17.352	ug/l	98
65) Chlorobenzene	11.43	112	99212	17.772	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	38151	18.483	ug/l	97
67) Ethyl Benzene	11.50	91	182543	17.956	ug/l	99
68) m/p-Xylenes	11.61	106	134649	35.105	ug/l	100
69) o-Xylene	11.94	106	65489	17.905	ug/l	99
70) Styrene	11.96	104	105748	17.585	ug/l	99
71) Bromoform	12.12	173	28139	18.916	ug/l #	98
73) Isopropylbenzene	12.24	105	176048	18.260	ug/l	99
74) N-amyl acetate	12.06	43	79992	18.987	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	54417	20.764	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	53109m	18.609	ug/l	
77) Bromobenzene	12.52	156	42623	18.035	ug/l	96
78) n-propylbenzene	12.59	91	204971	18.137	ug/l	99
79) 2-Chlorotoluene	12.67	91	121409	18.276	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147369	18.155	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	20048	19.392	ug/l #	86
82) 4-Chlorotoluene	12.77	91	124233	17.750	ug/l	99
83) tert-Butylbenzene	12.99	119	125530	17.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	148651	18.143	ug/l	98
85) sec-Butylbenzene	13.17	105	167681	17.817	ug/l	99
86) p-Isopropyltoluene	13.28	119	151041	17.340	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75998	18.596	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75068	18.373	ug/l	98
89) n-Butylbenzene	13.61	91	135726	16.974	ug/l	99
90) Hexachloroethane	13.87	117	21079	16.718	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	74210	17.921	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10987	18.513	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46030	17.551	ug/l	99
94) Hexachlorobutadiene	15.01	225	22655	18.368	ug/l	99
95) Naphthalene	15.13	128	133476	17.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44374	17.789	ug/l	99

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

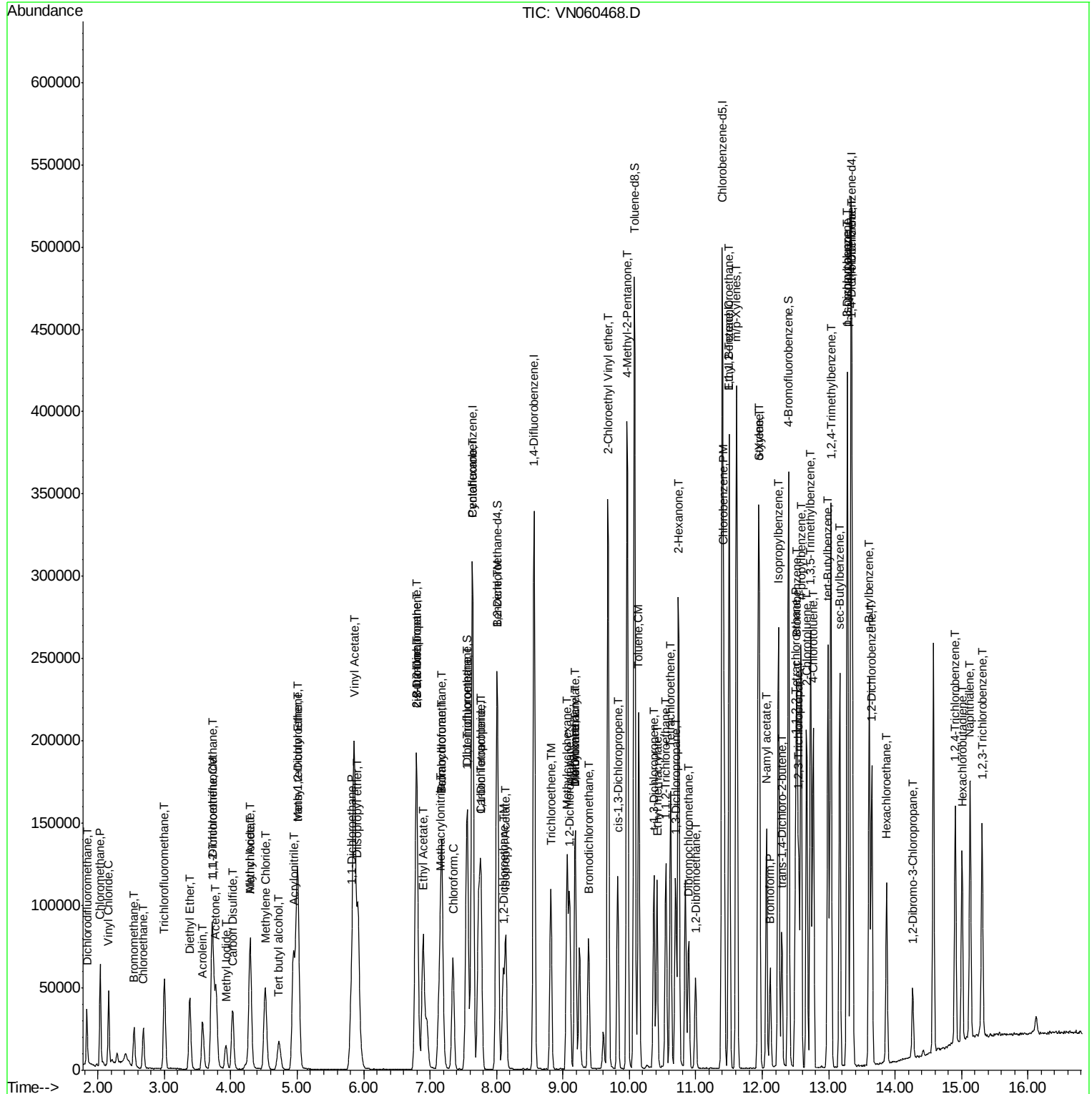
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 Data File : VN060468.D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion:168 Resp: 181918

Ion Ratio Lower Upper

168 100

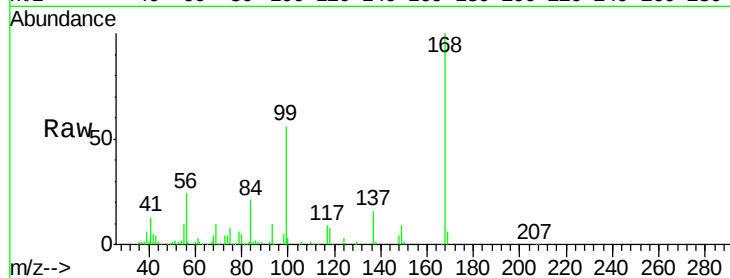
99 56.2 44.7 67.1

Manual Integrations

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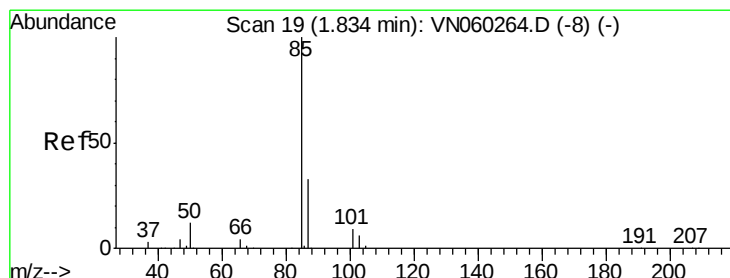
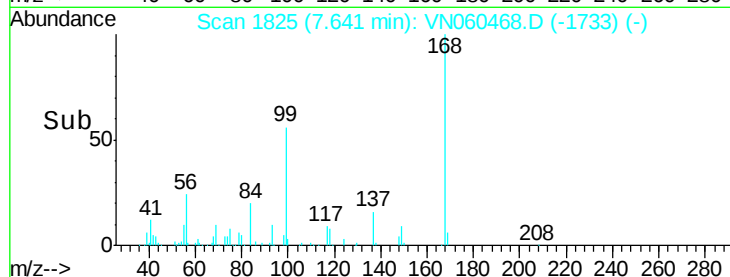
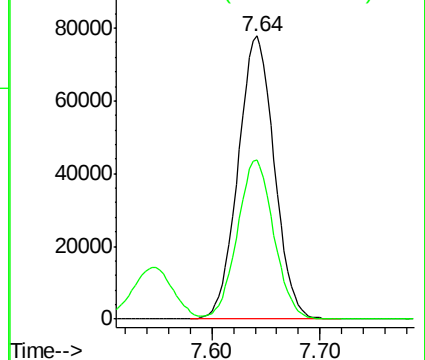
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3/16/2020 11:49:39 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.331 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060468.D

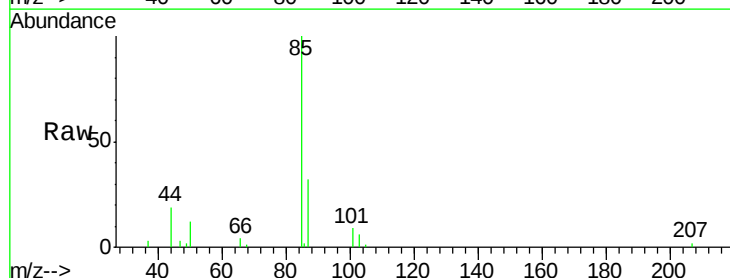
Acq: 12 Mar 2020 11:01

Tgt Ion: 85 Resp: 25571

Ion Ratio Lower Upper

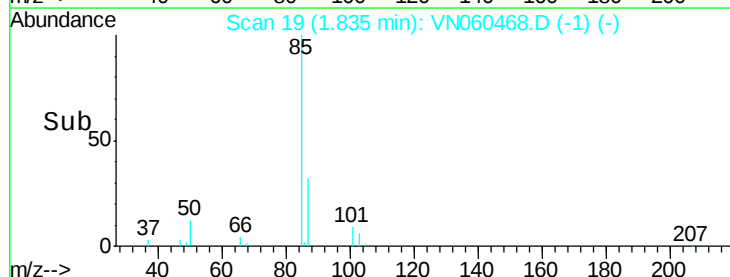
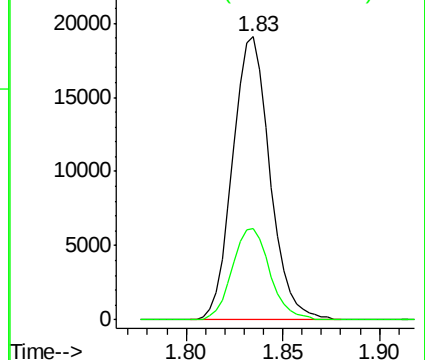
85 100

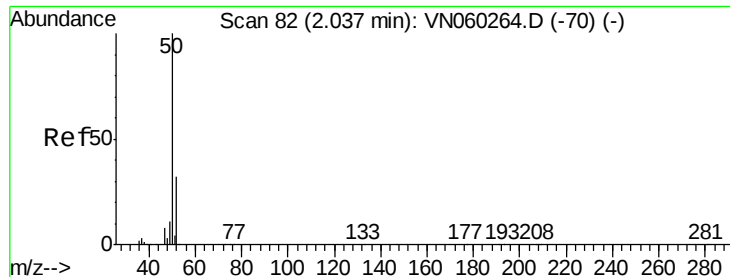
87 32.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.395 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 50 Resp: 47608

Ion Ratio Lower Upper

50 100

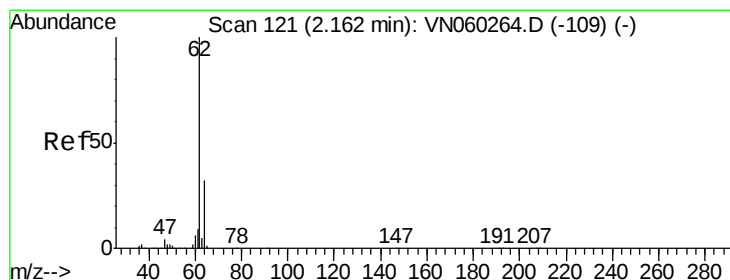
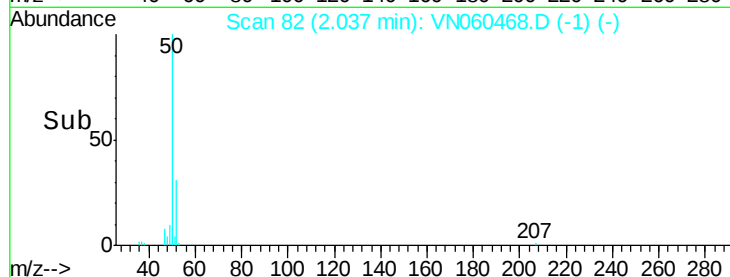
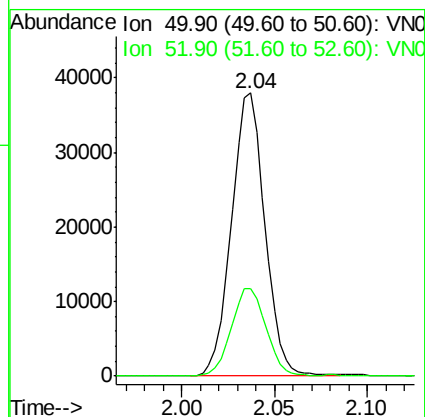
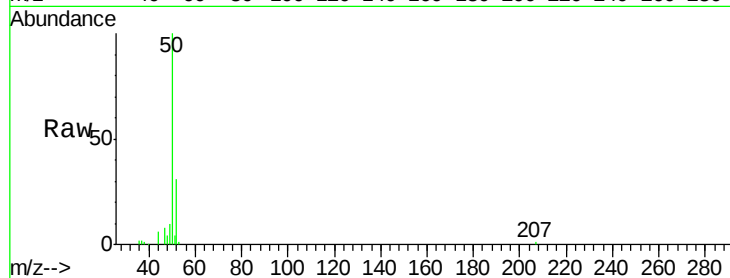
52 31.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 15.385 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060468.D

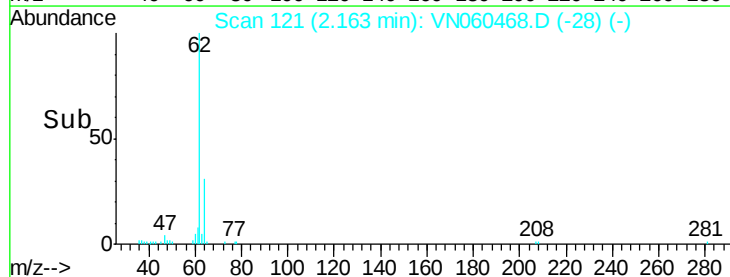
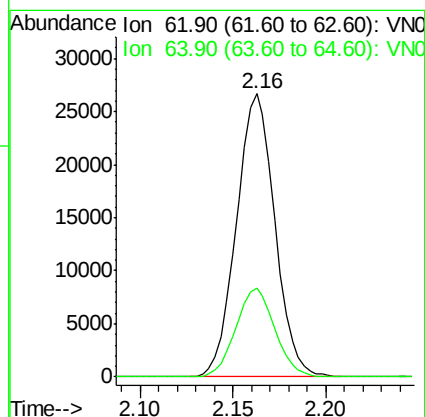
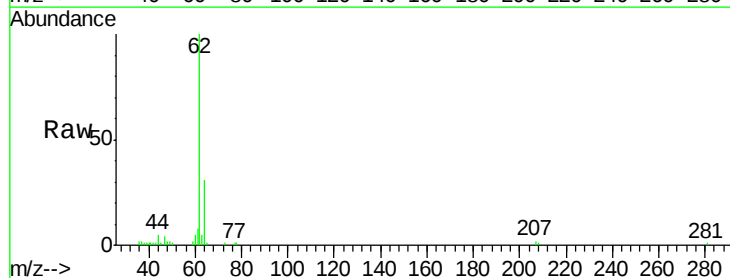
Acq: 12 Mar 2020 11:01

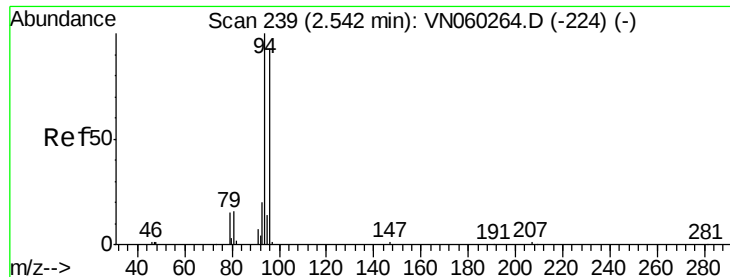
Tgt Ion: 62 Resp: 38315

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 15.423 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

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Tot Ion: 94 Resp: 17127

Ion Ratio Lower Upper

94 100

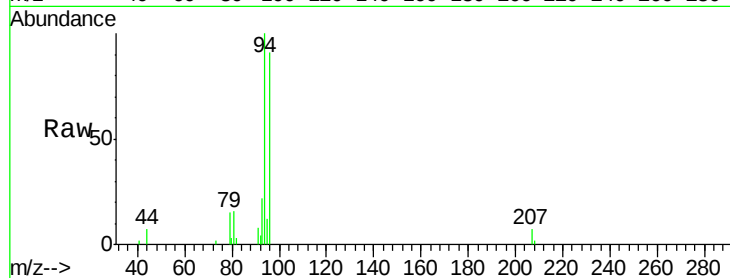
96 90.8 74.3 111.5

Manual Integrations

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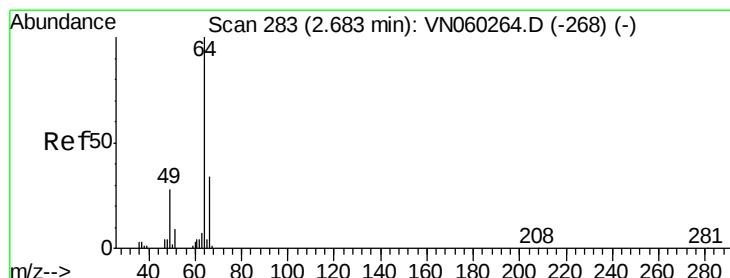
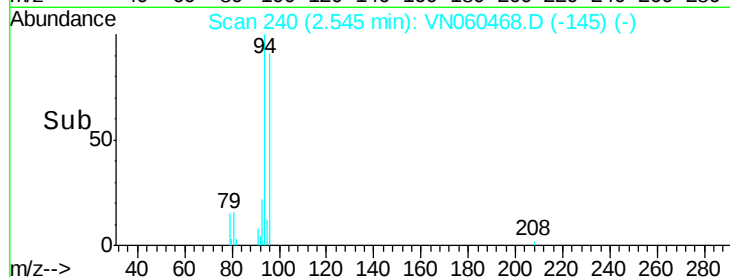
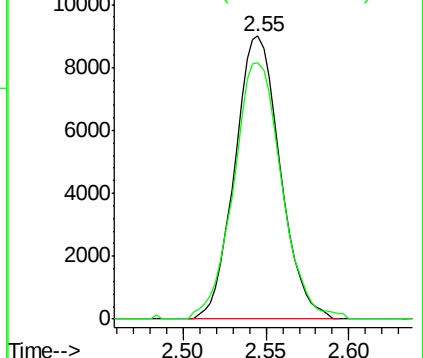
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.696 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060468.D

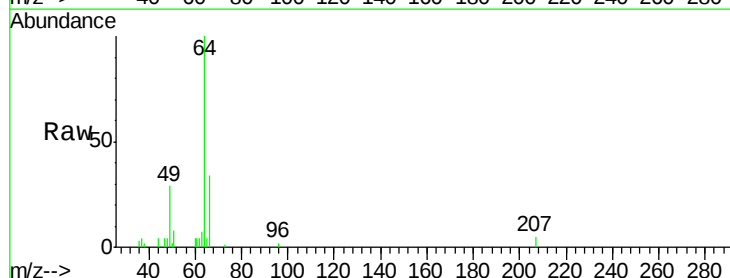
Acq: 12 Mar 2020 11:01

Tgt Ion: 64 Resp: 22529

Ion Ratio Lower Upper

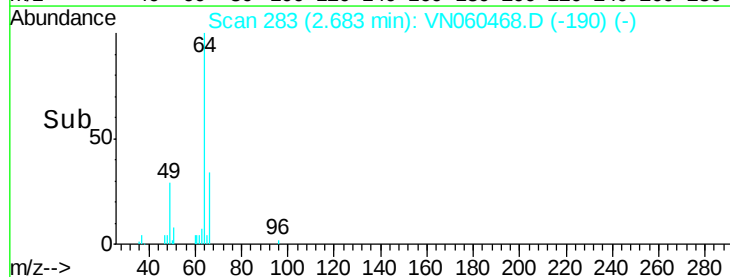
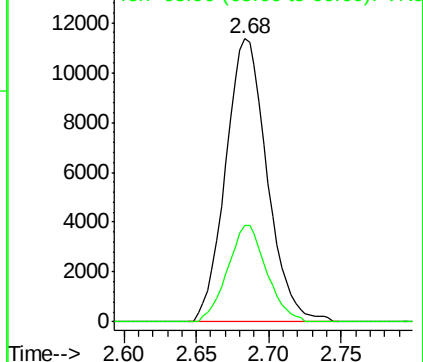
64 100

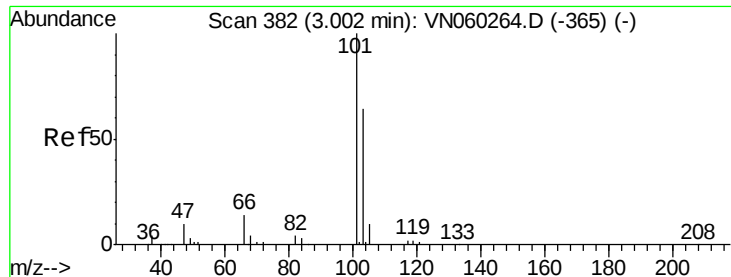
66 34.2 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

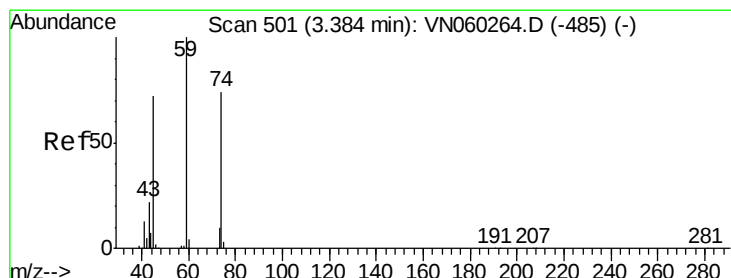
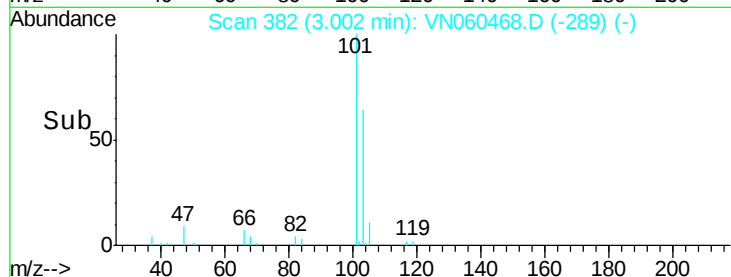
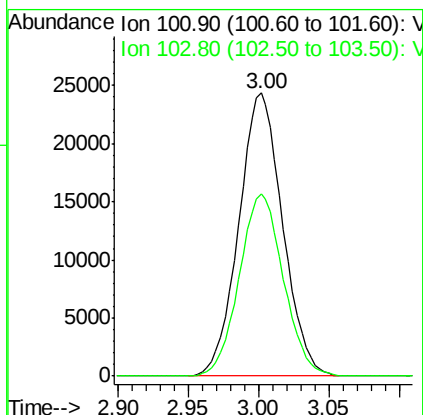
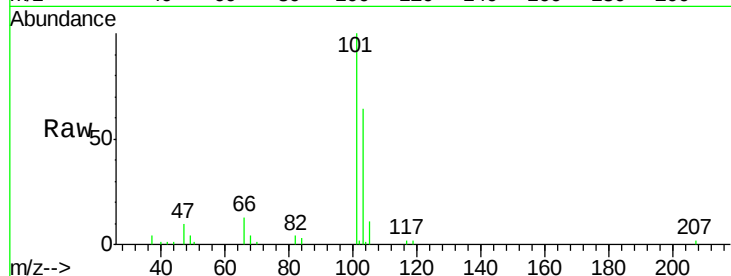
Trichlorofluoromethane
Concen: 16.595 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	51.3	76.9

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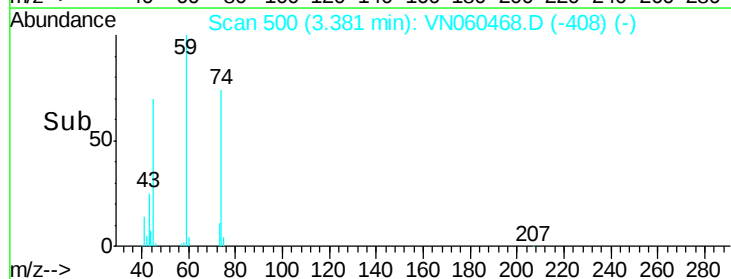
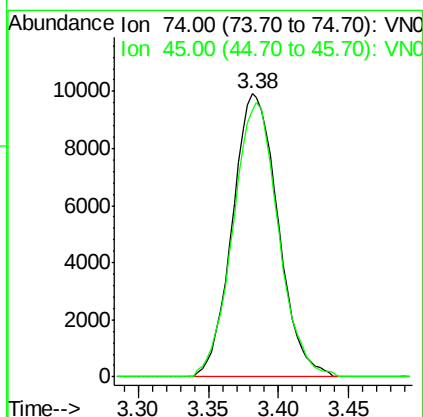
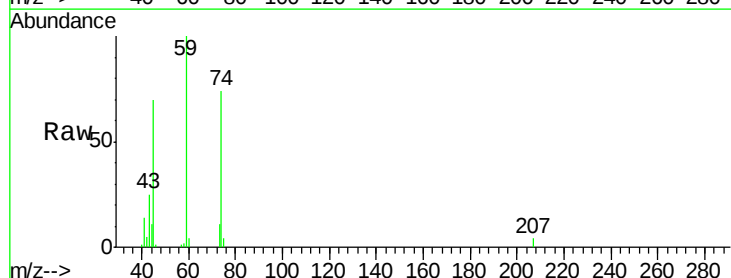
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#8

Diethyl Ether
Concen: 18.651 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.738 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060468.D

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Instrument :

MSVOA_N

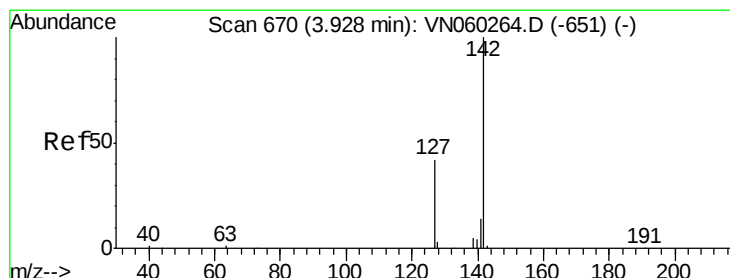
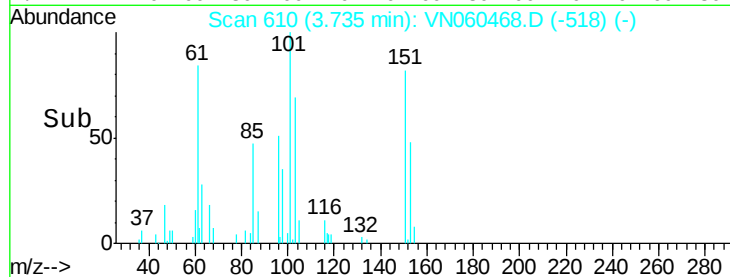
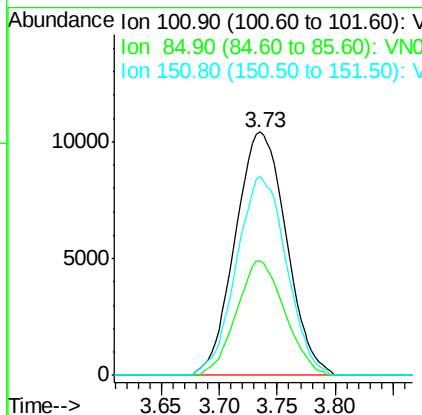
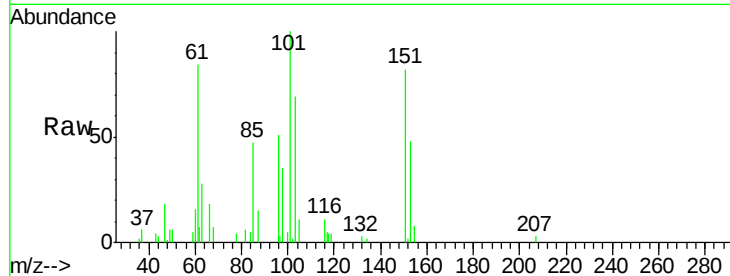
ClientSampleId :

VN0312WBSD01

Tot Ion:	101	Resp:	31942
Ion Ratio	Lower	Upper	
101	100		
85	44.4	35.4	53.2
151	80.1	62.0	93.0

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#10

Methyl Iodide

Concen: 14.120 ug/l

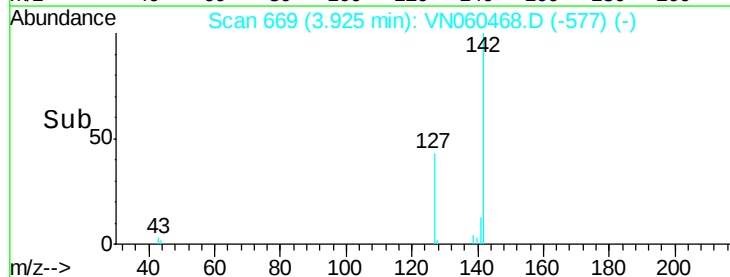
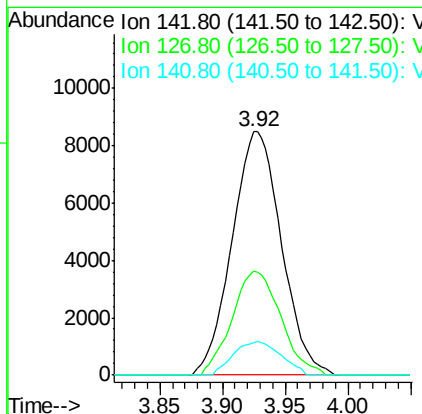
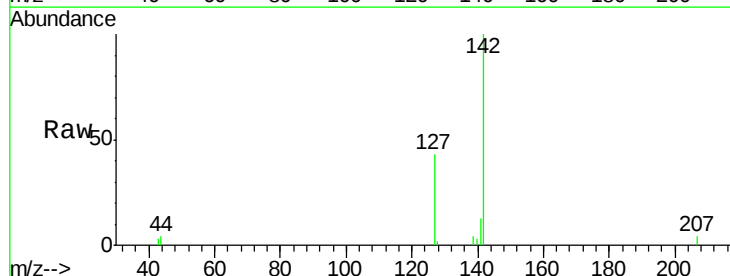
RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	142	Resp:	23205
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.8	50.6
141	13.2	11.1	16.7





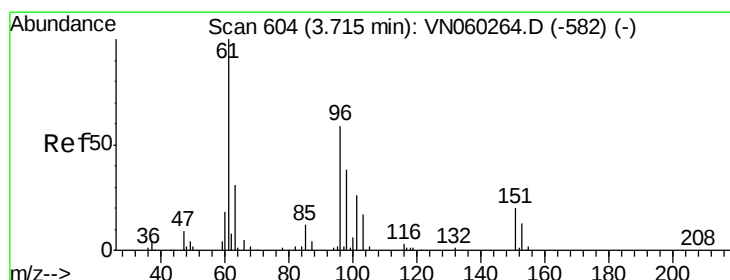
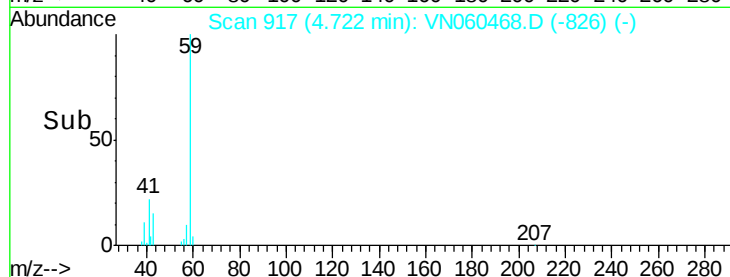
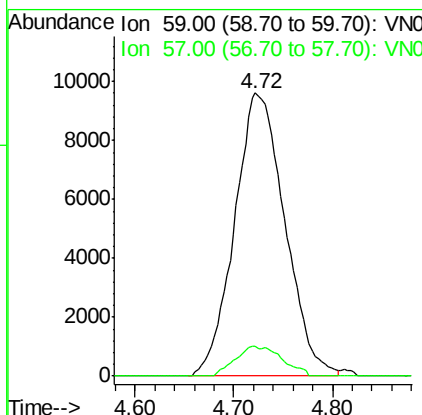
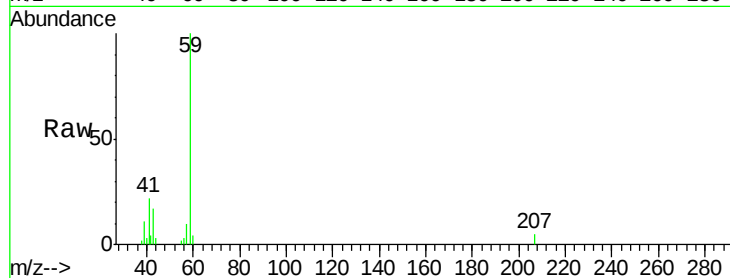
#11
Tert butyl alcohol
Concen: 98.025 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleID :
VN0312WBSD01

Tot Ion: 59 Resp: 33973
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.2

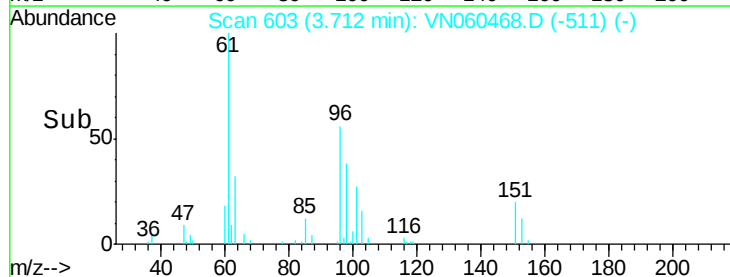
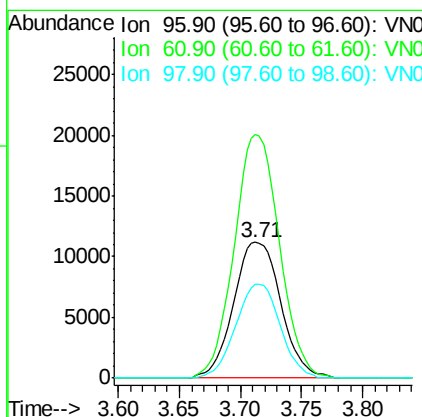
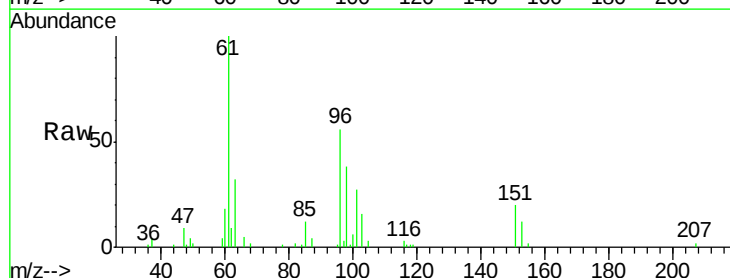
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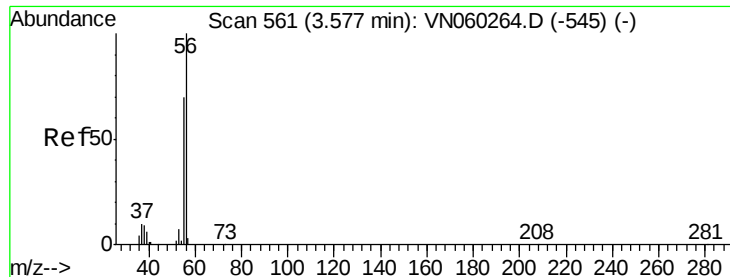
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.188 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 96 Resp: 30128
Ion Ratio Lower Upper
96 100
61 179.3 135.4 203.0
98 68.9 51.6 77.4





#13

Acrolein

Concen: 103.643 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 56 Resp: 33510

Ion Ratio Lower Upper

56 100

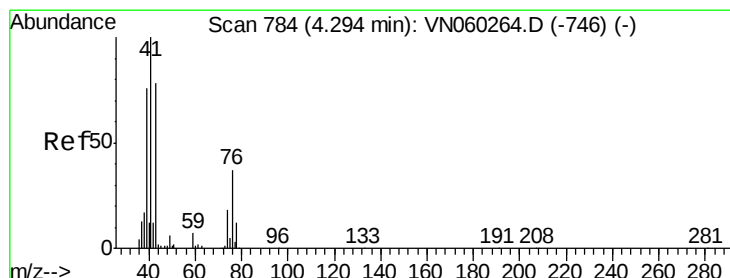
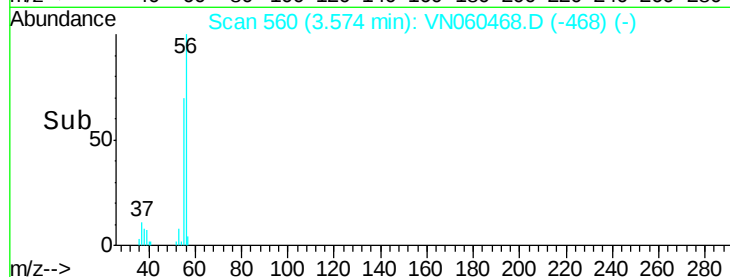
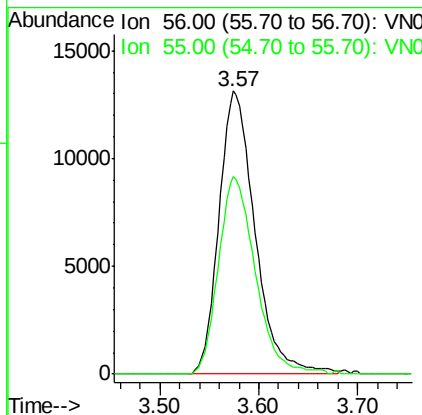
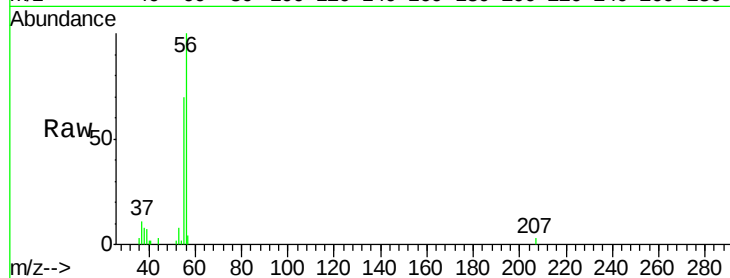
55 71.4 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.632 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

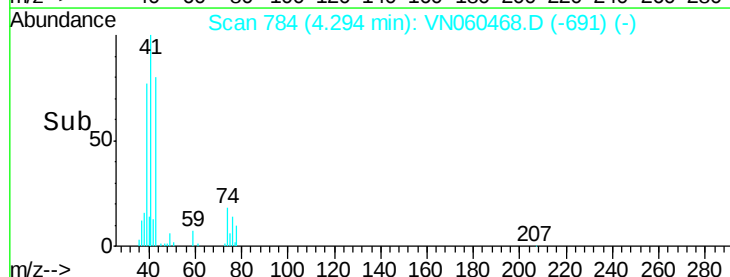
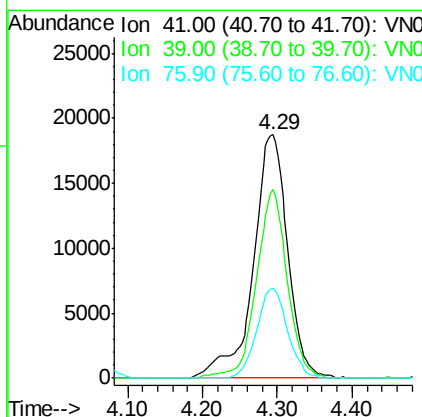
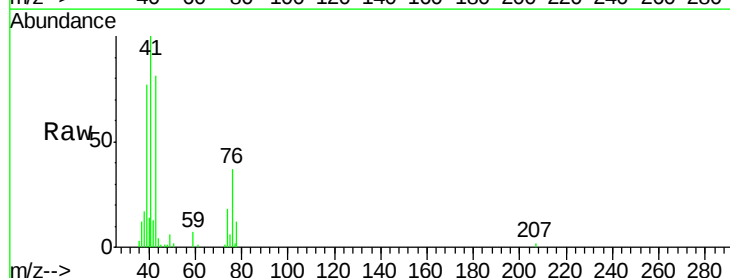
Tgt Ion: 41 Resp: 60041

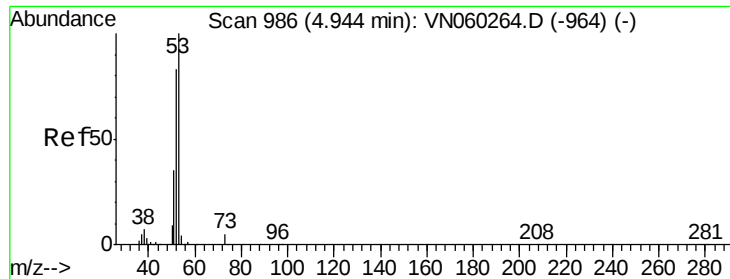
Ion Ratio Lower Upper

41 100

39 69.1 55.4 83.2

76 33.0 27.0 40.6





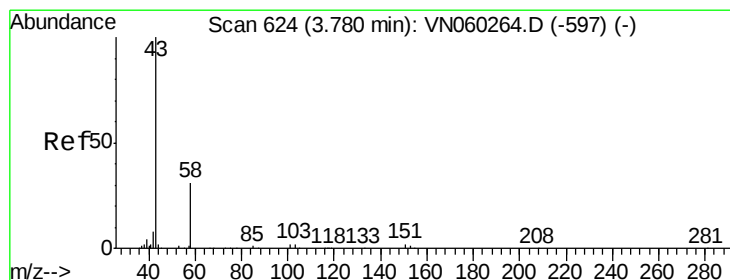
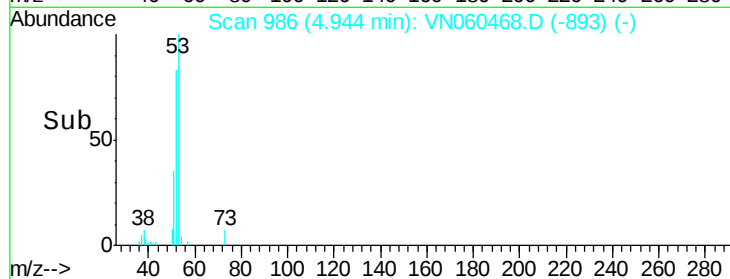
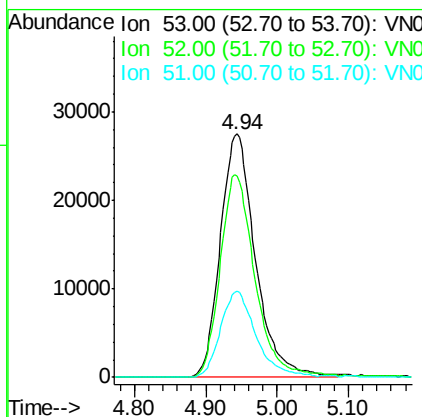
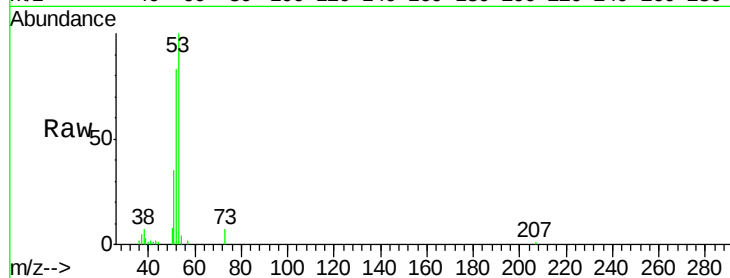
#15
 Acrylonitrile
 Concen: 103.135 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion:	53	Resp:	94214
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.8	100.2
51	35.9	29.0	43.6

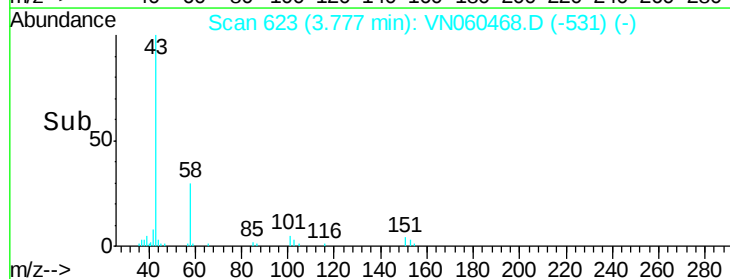
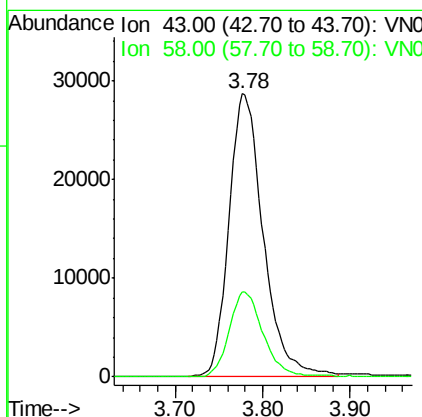
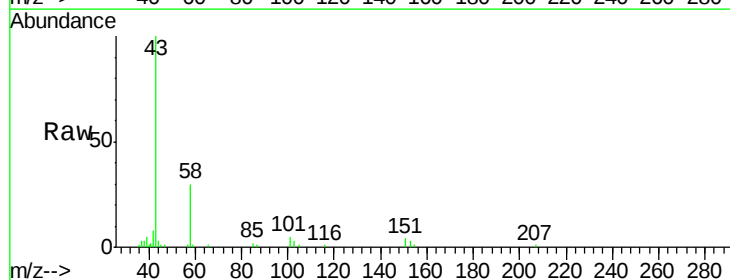
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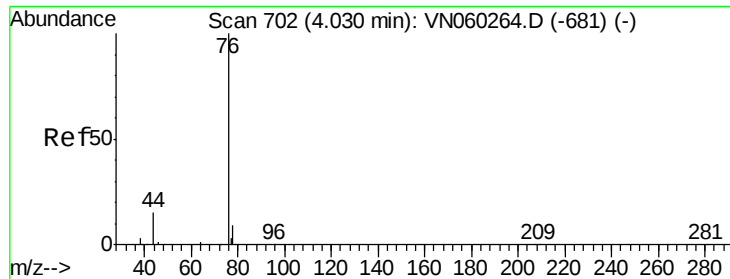
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#16
 Acetone
 Concen: 103.774 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion:	43	Resp:	78218
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8





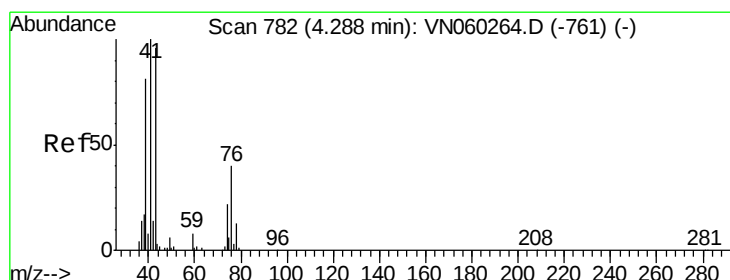
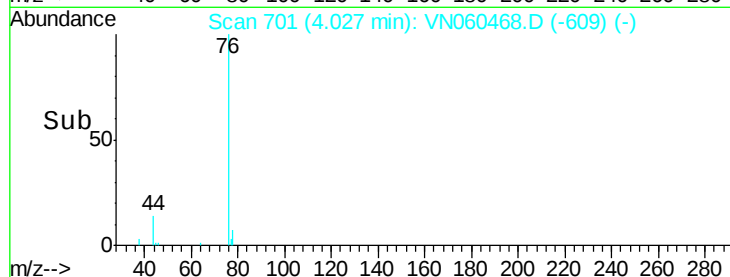
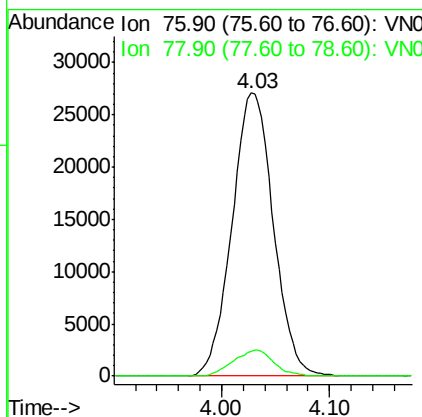
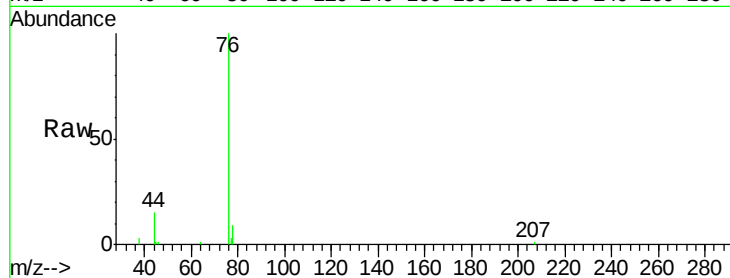
#17
Carbon Disulfide
Concen: 15.056 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion: 76 Resp: 72113
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

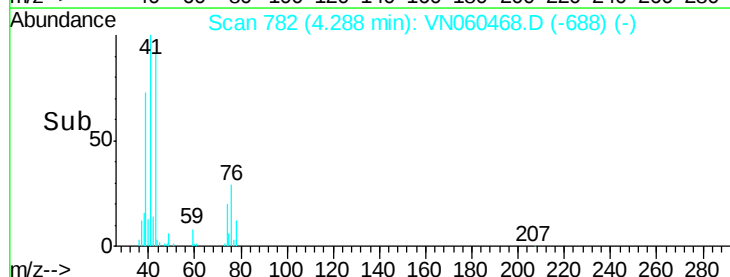
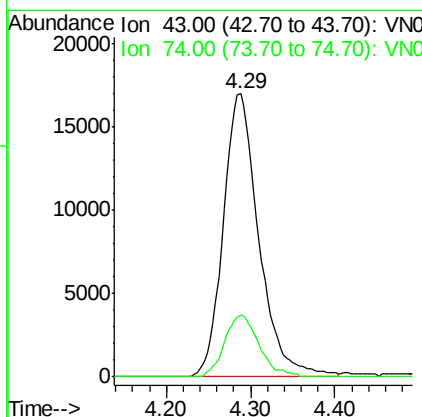
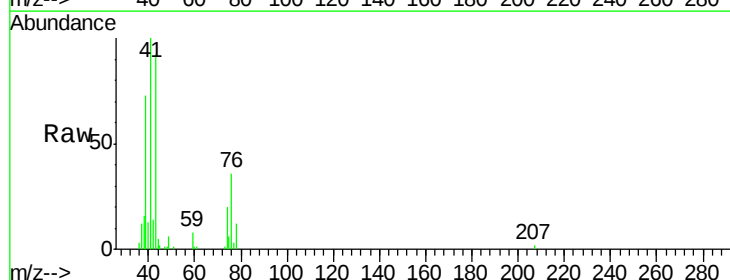
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#18
Methyl Acetate
Concen: 19.808 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion: 43 Resp: 49823
Ion Ratio Lower Upper
43 100
74 21.1 18.8 28.2





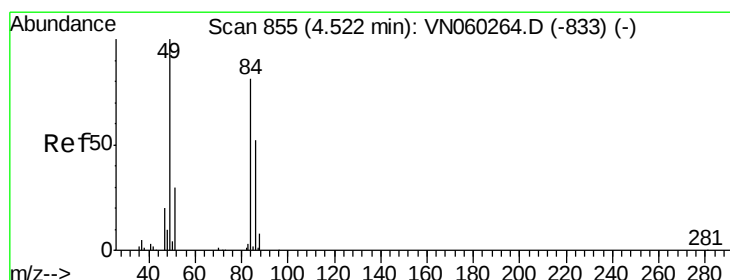
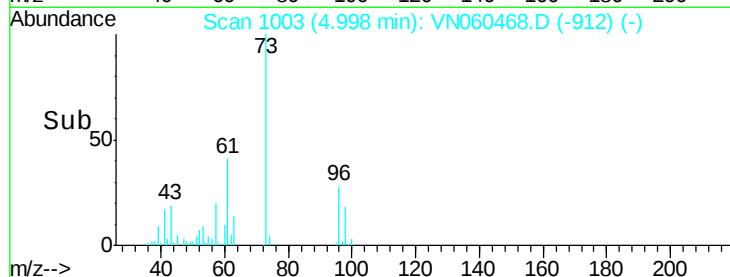
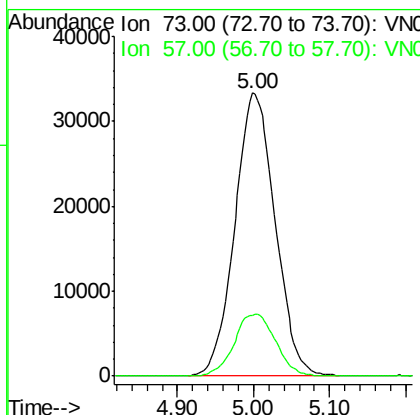
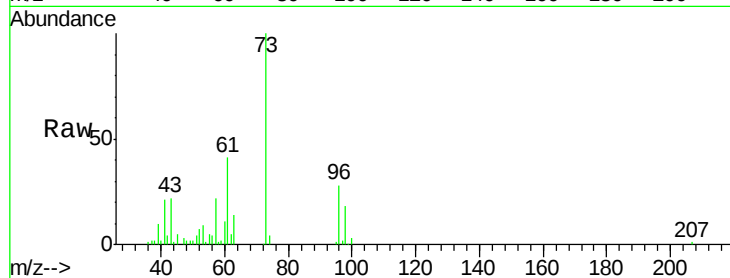
#19
Methyl tert-butyl Ether
Concen: 19.367 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	17.3	25.9

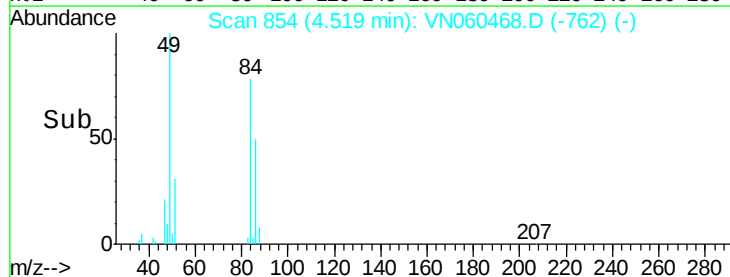
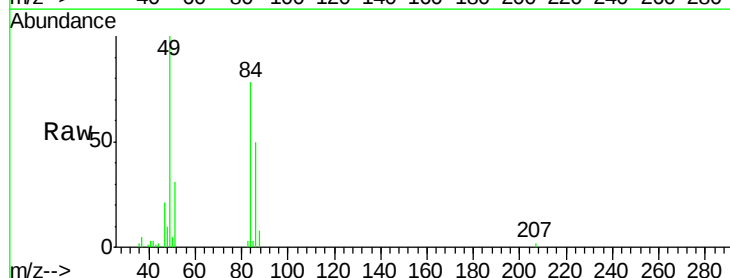
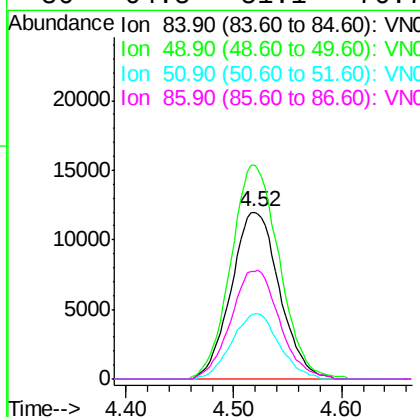
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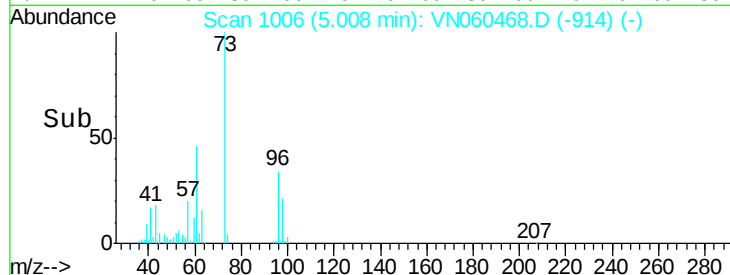
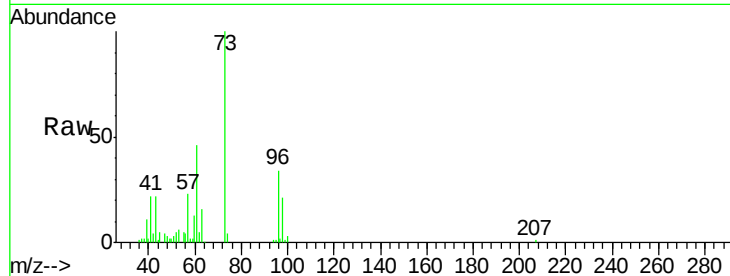
MMDadoda
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#20
Methylene Chloride
Concen: 17.992 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.9	99.3	148.9
51	39.3	30.1	45.1
86	64.5	51.1	76.7





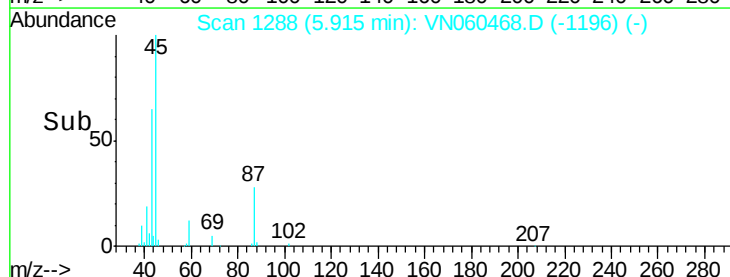
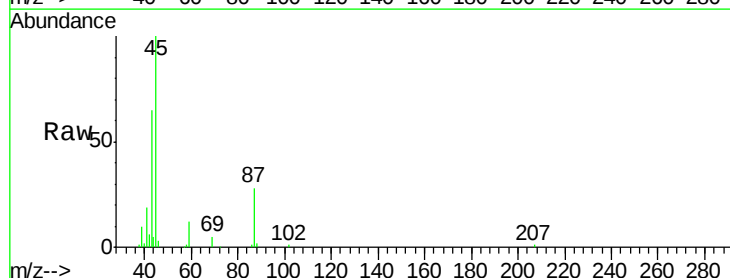
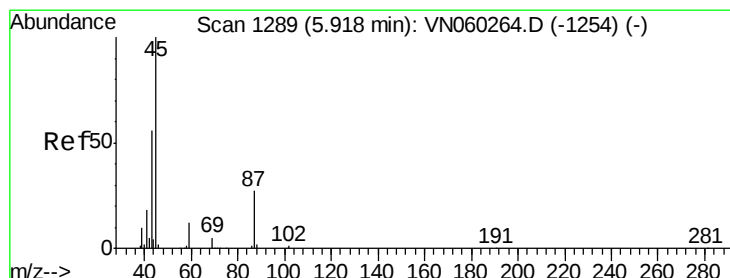
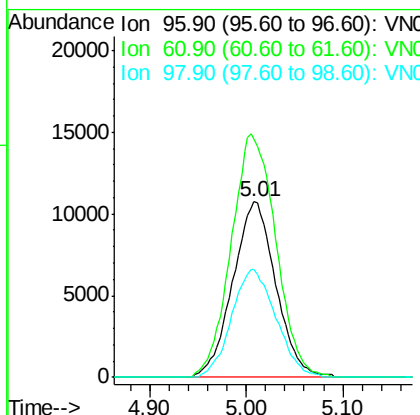
#21
trans-1,2-Dichloroethene
Concen: 17.398 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	113.8	170.8
98	61.2	48.8	73.2

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

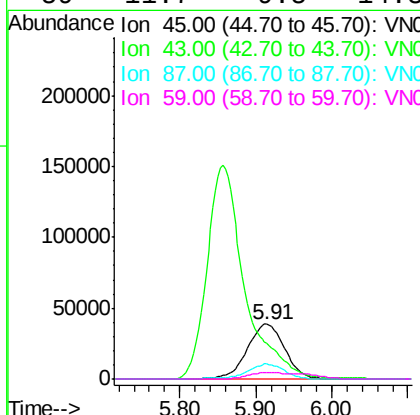
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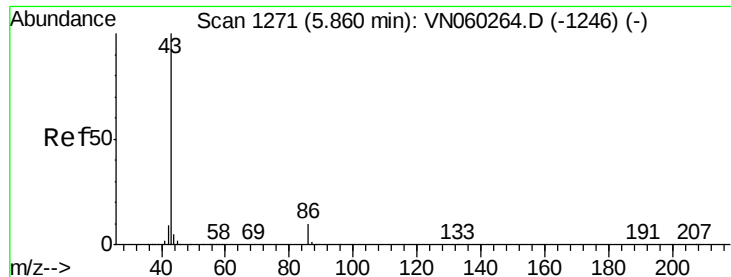
MMDadoda
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#22
Diisopropyl ether
Concen: 20.268 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	48.6	72.8
87	27.5	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 99.682 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 43 Resp: 517034

Ion Ratio Lower Upper

43 100

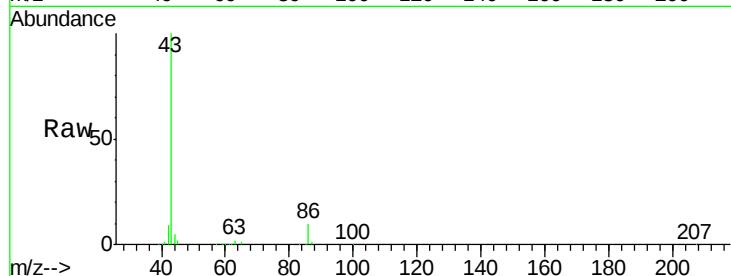
86 9.7 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN060468.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN060468.D (-1178) (-)

5.86

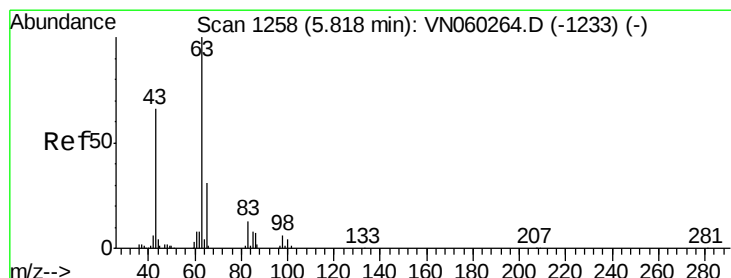
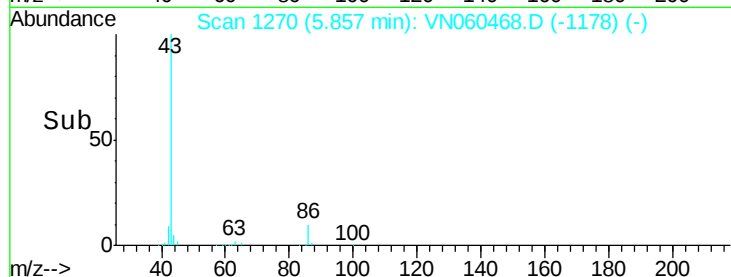
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.227 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

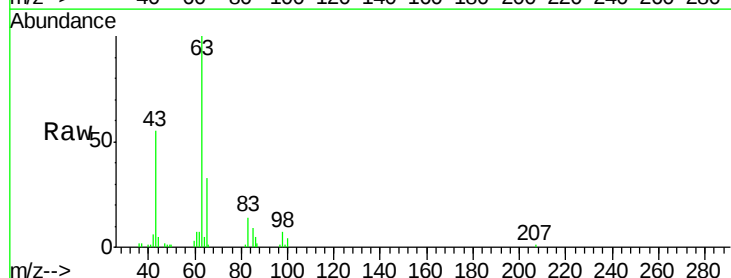
Tgt Ion: 63 Resp: 71040

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060468.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060468.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060468.D (-1165) (-)

5.82

30000

25000

20000

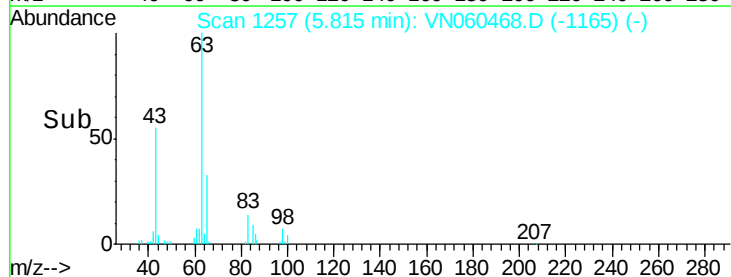
15000

10000

5000

0

Time-->





#25

2-Butanone

Concen: 102.914 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 43 Resp: 125293

Ion Ratio Lower Upper

43 100

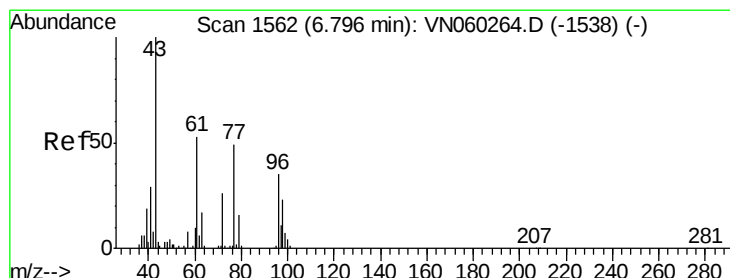
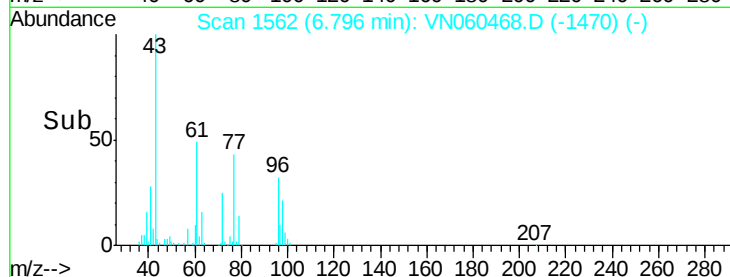
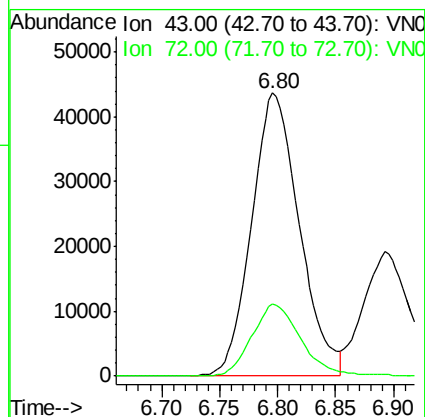
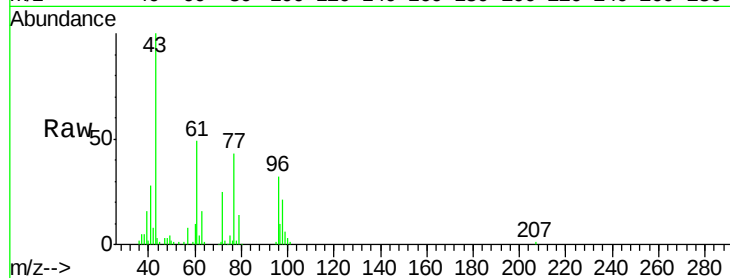
72 25.4 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 18.219 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060468.D

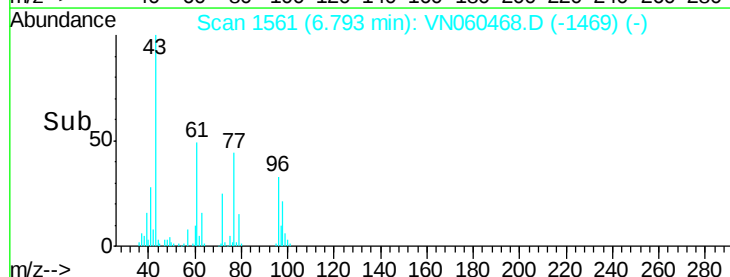
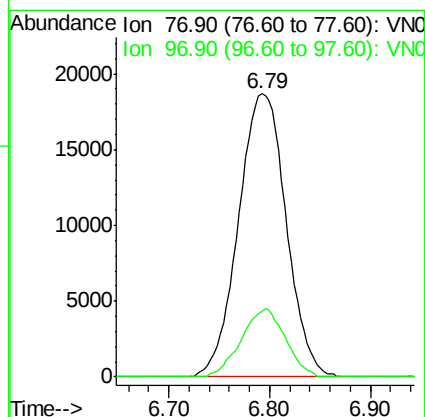
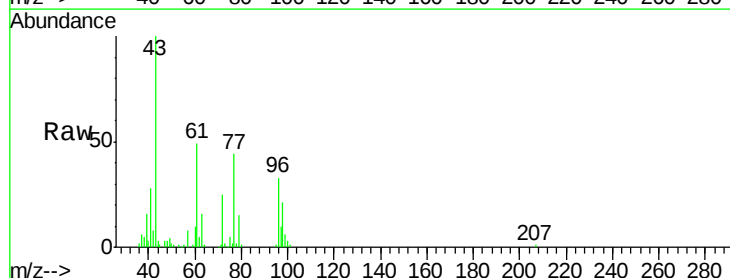
Acq: 12 Mar 2020 11:01

Tgt Ion: 77 Resp: 61286

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.366 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

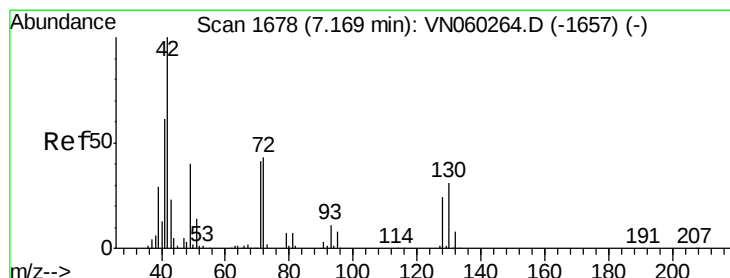
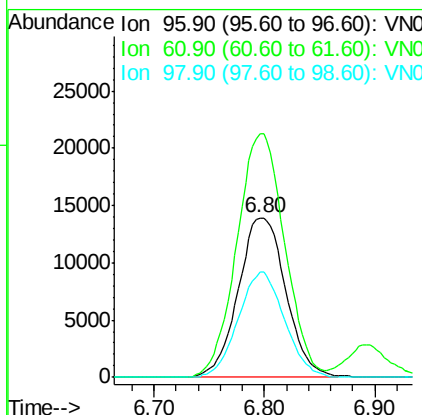
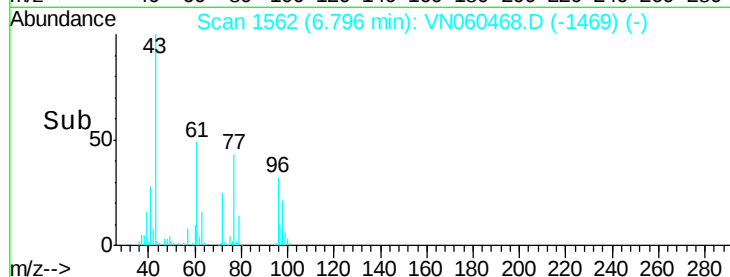
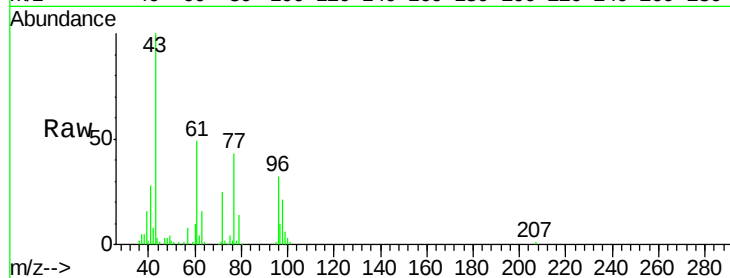
ClientSampleId :

VN0312WBSD01

Tot Ion:	96	Resp:	41682
Ion	Ratio	Lower	Upper
96	100		
61	153.3	0.0	300.8
98	64.0	0.0	128.2

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#28

Bromochloromethane

Concen: 20.486 ug/l

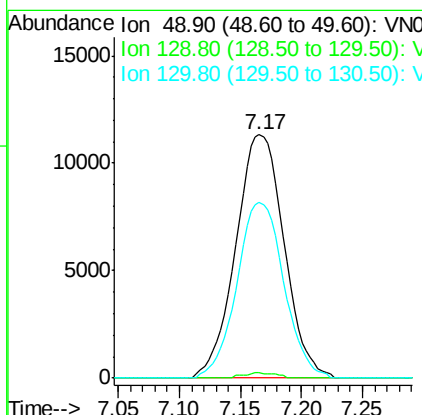
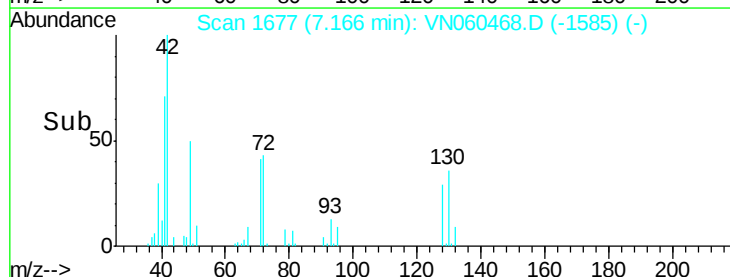
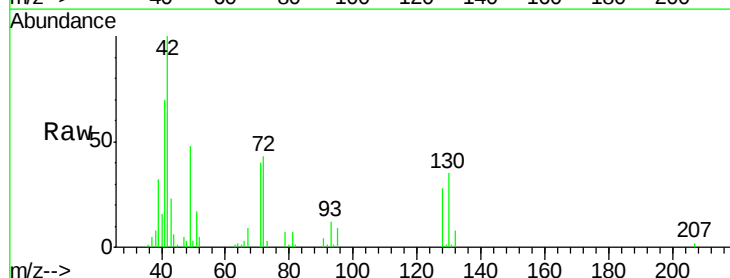
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	49	Resp:	31078
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	70.2	59.8	89.8





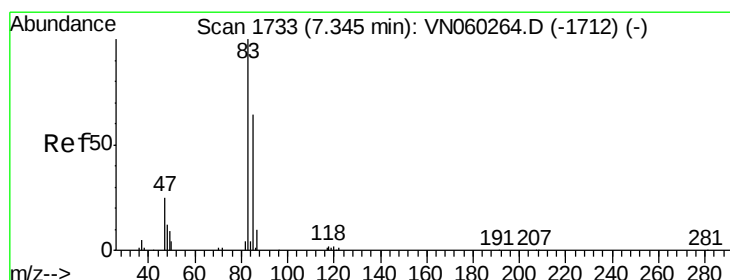
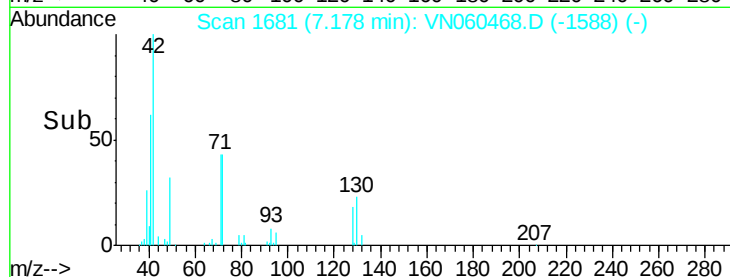
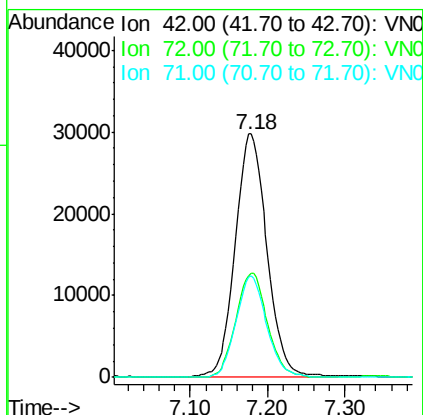
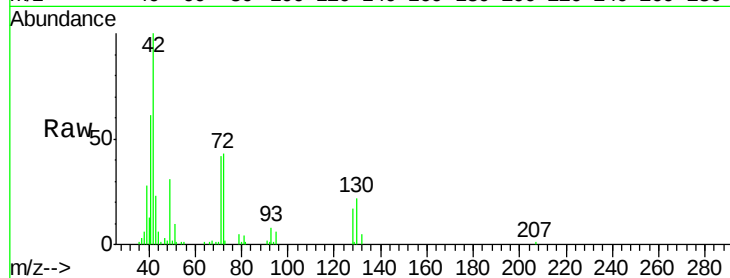
#29
Tetrahydrofuran
Concen: 100.553 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	52.0
71	39.8	32.9	49.3

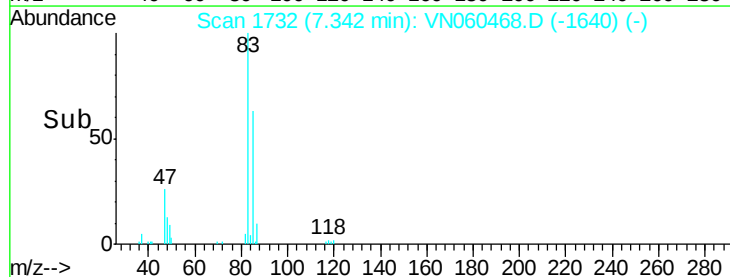
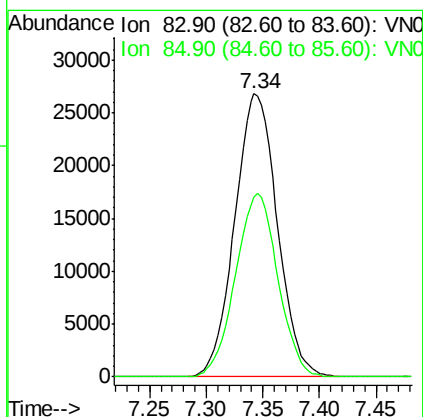
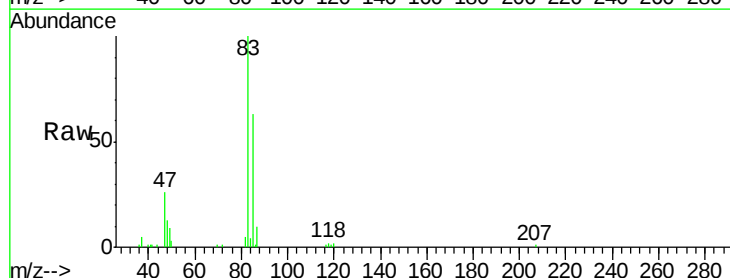
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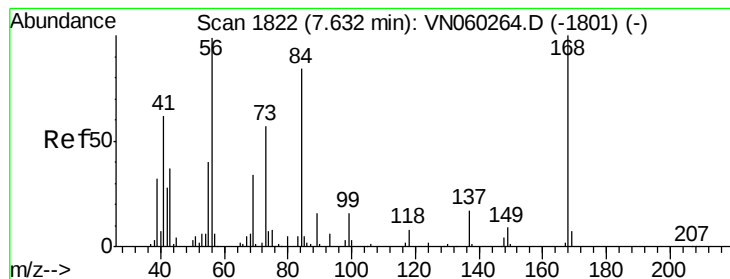
MMDadoda
3/16/2020 11:49:39 AM



#30
Chloroform
Concen: 19.106 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.4	77.2





#31

Cyclohexane

Concen: 18.154 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

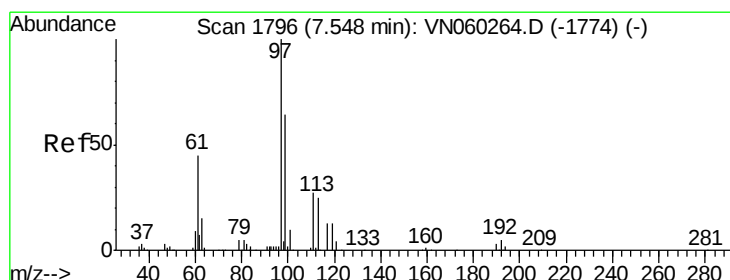
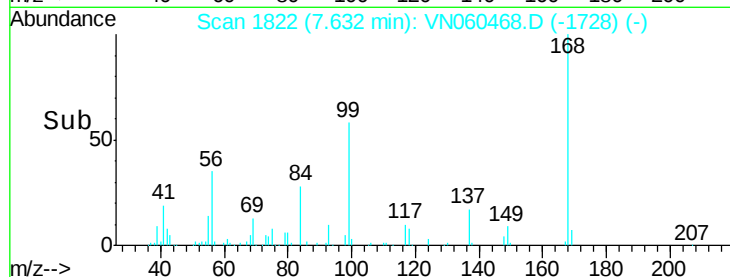
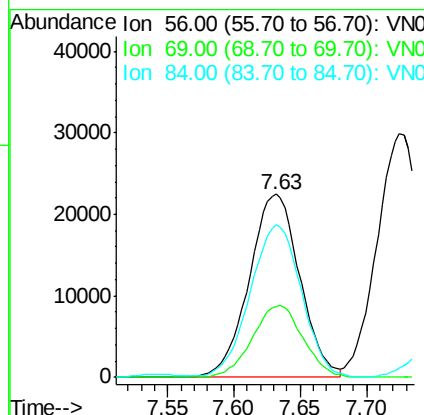
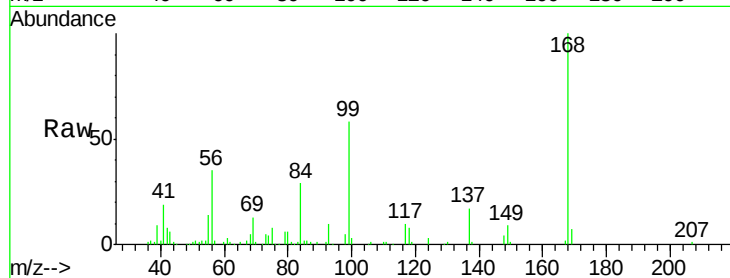
ClientSampled :

VN0312WBSD01

Tot Ion:	56	Resp:	59934
Ion Ratio	Lower	Upper	
56	100		
69	38.9	27.2	40.8
84	82.1	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.094 ug/l

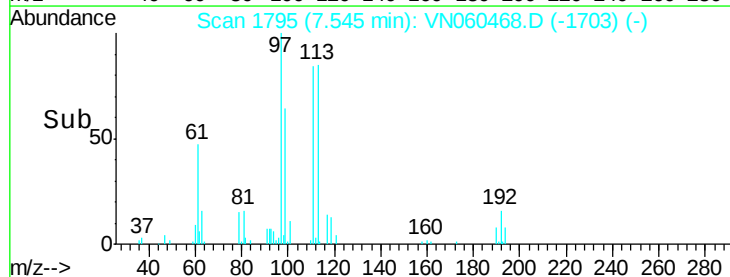
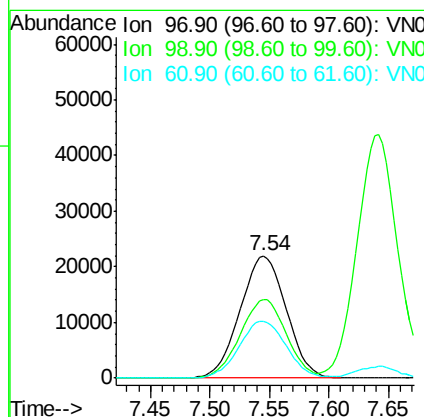
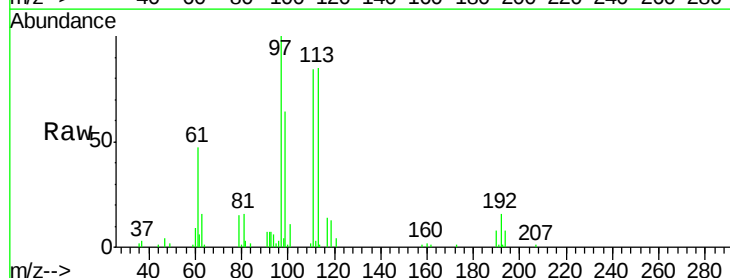
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	97	Resp:	58967
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.4	77.0
61	47.5	36.6	55.0





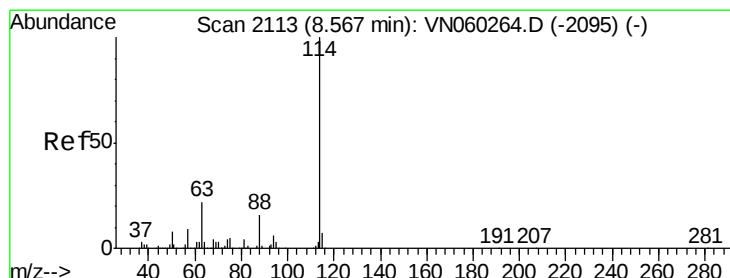
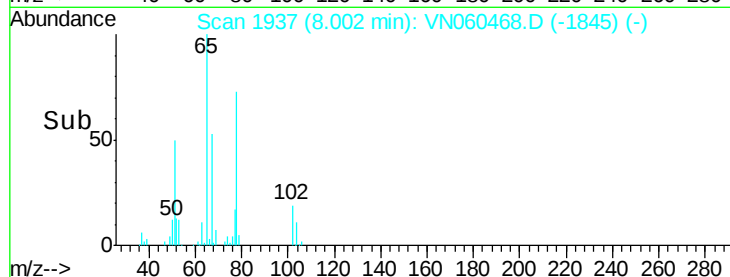
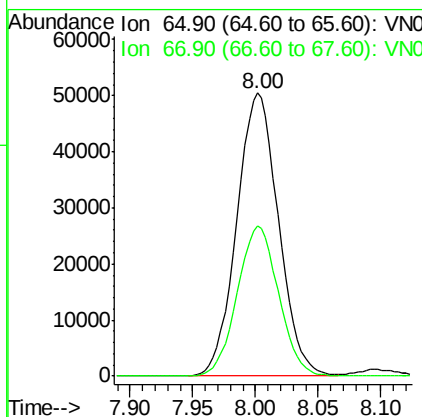
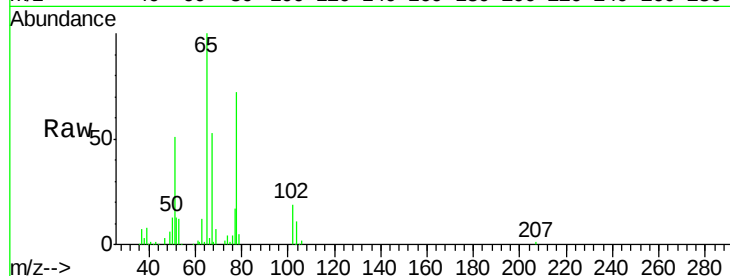
#33
 1,2-Dichloroethane-d4
 Concen: 50.023 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.8	

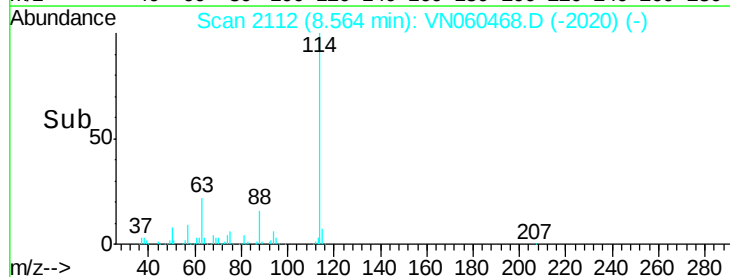
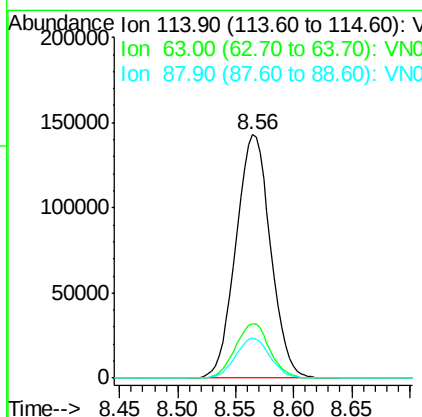
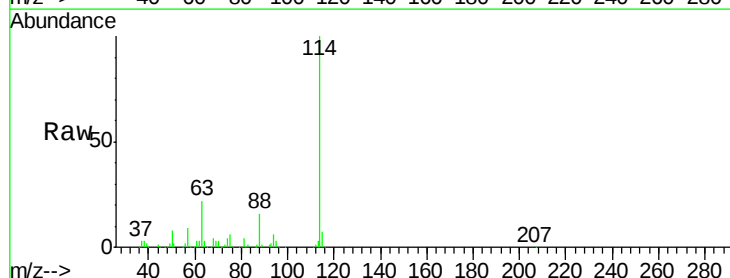
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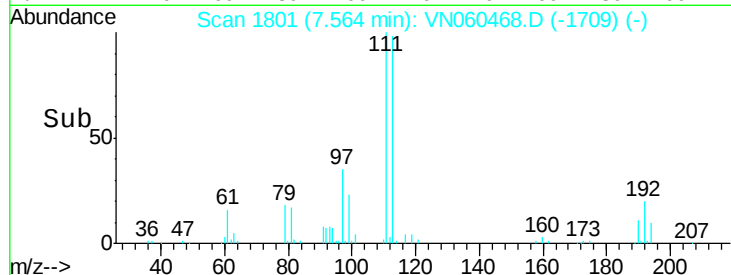
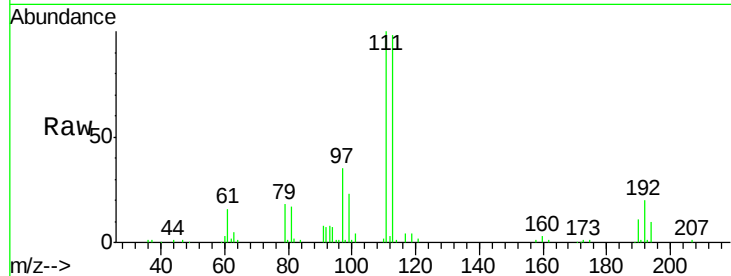
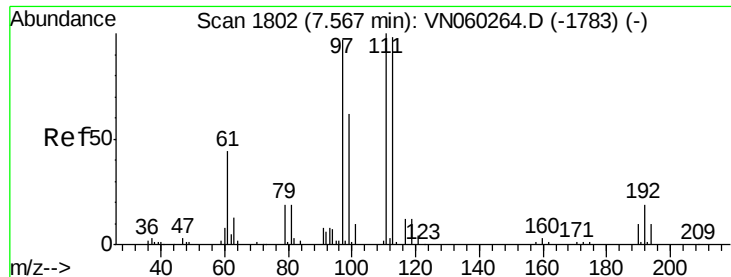
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	43.2	
88	16.4	0.0	31.6	





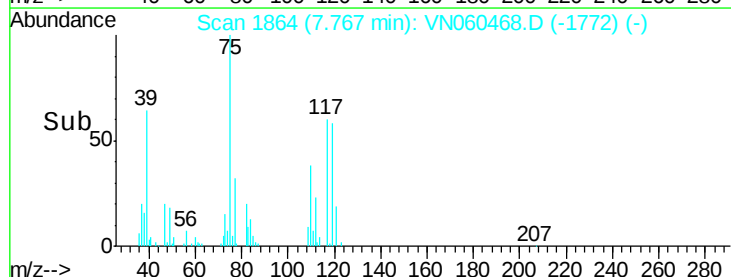
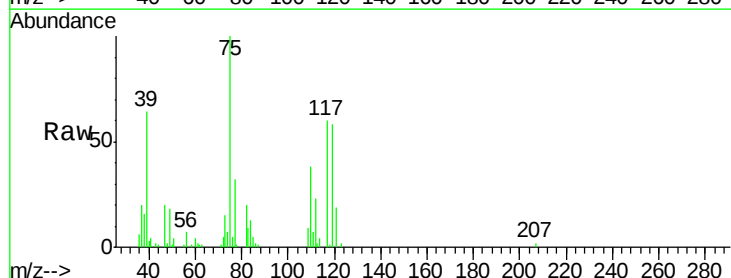
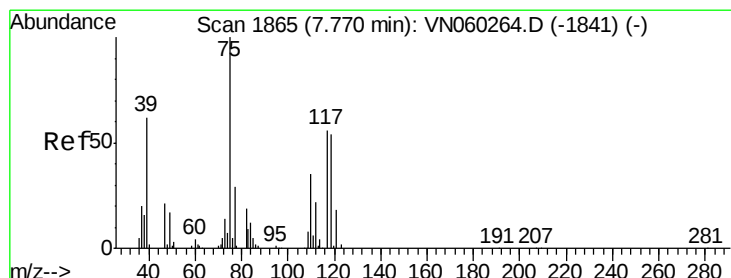
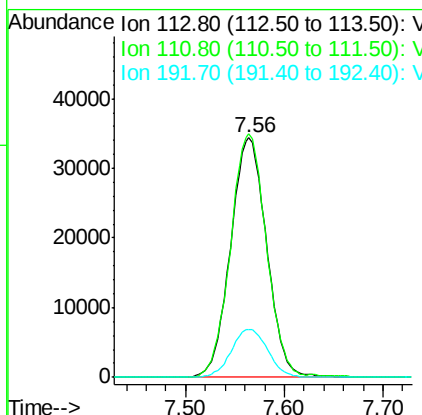
#35
Dibromofluoromethane
Concen: 63.351 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	87406		
111	100.7	82.4	123.6	
192	20.2	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

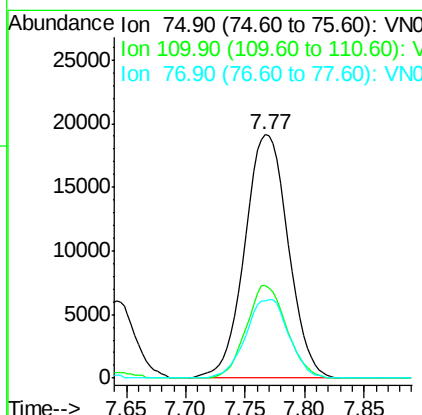
Manual Integrations
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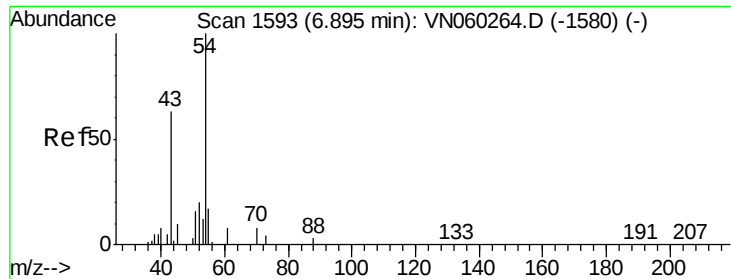
MMDadoda
3/16/2020 11:49:39 AM



#36
1,1-Dichloropropene
Concen: 17.132 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	48532		
110	35.0	17.3	52.0	
77	32.0	24.2	36.2	





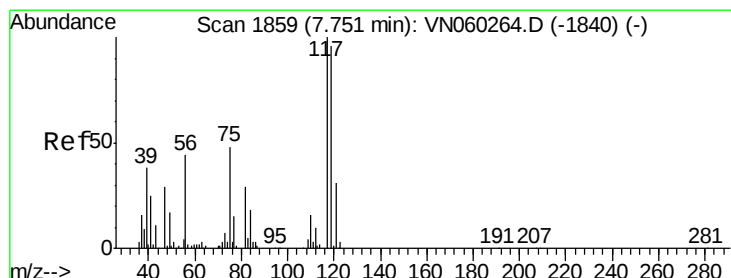
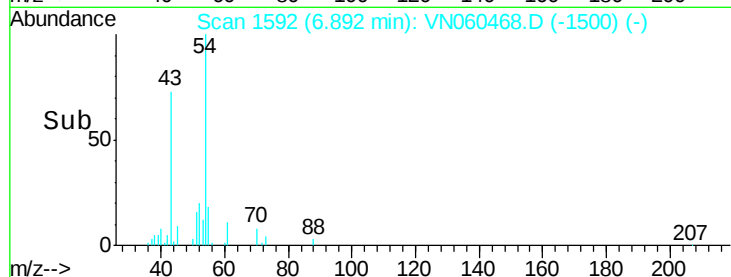
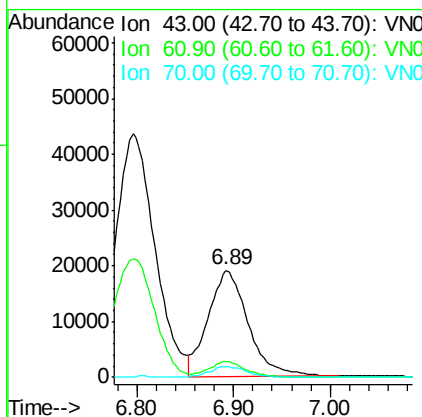
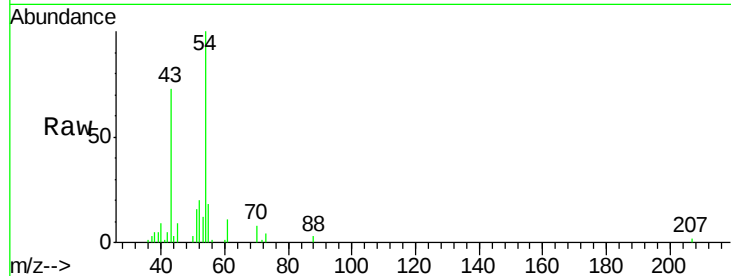
#37
Ethyl Acetate
Concen: 20.246 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	43	Resp	54307
Ion Ratio	100	Lower	Upper
61	14.0	11.1	16.7
70	9.6	8.4	12.6

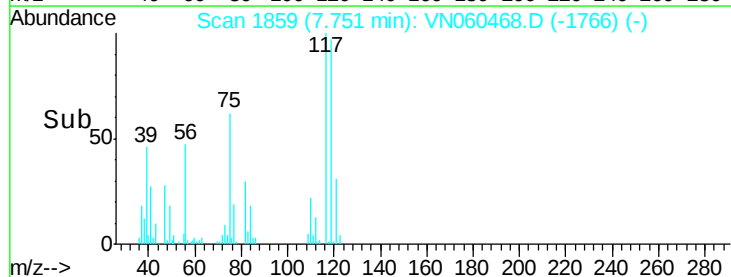
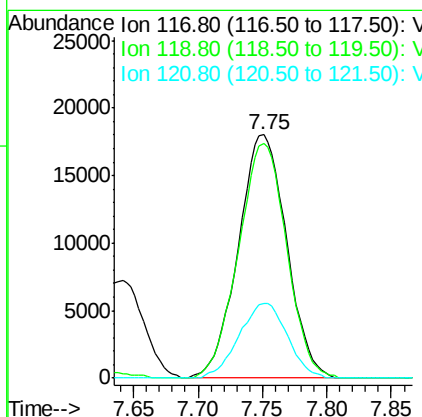
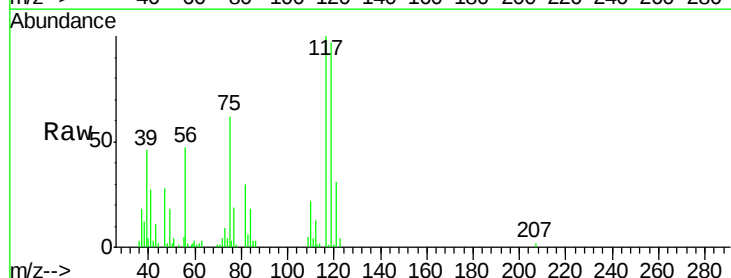
Manual Integrations
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3/16/2020 11:49:39 AM



#38
Carbon Tetrachloride
Concen: 17.011 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	117	Resp	46918
Ion Ratio	100	Lower	Upper
119	96.6	76.7	115.1
121	30.9	24.5	36.7





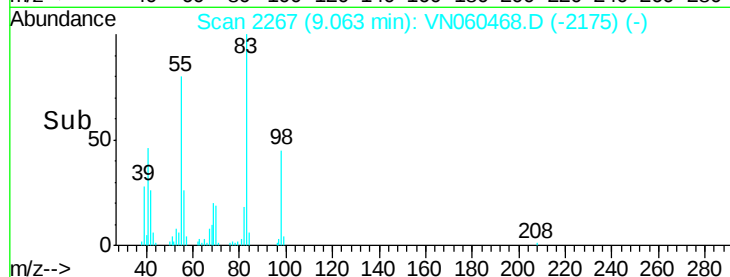
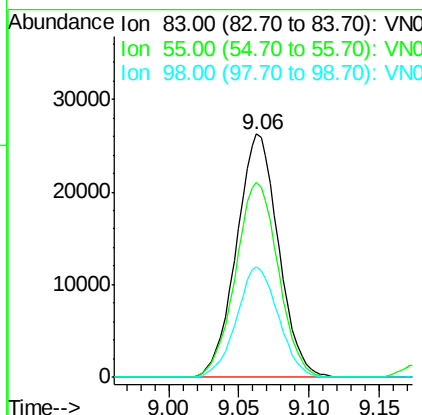
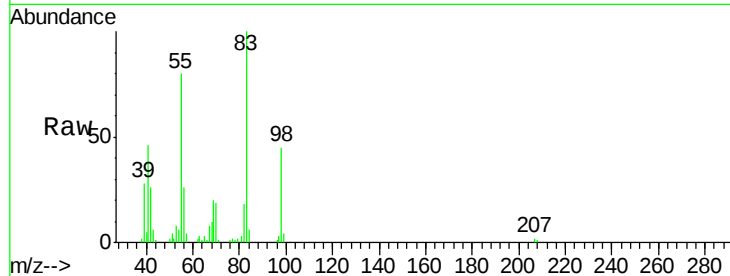
#39
Methvlcvclohexane
Concen: 16.362 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.0	91.4
98	45.2	36.1	54.1

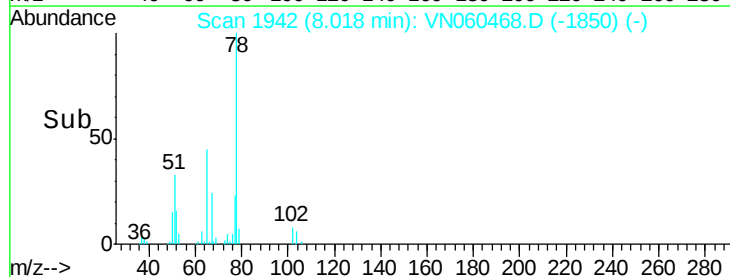
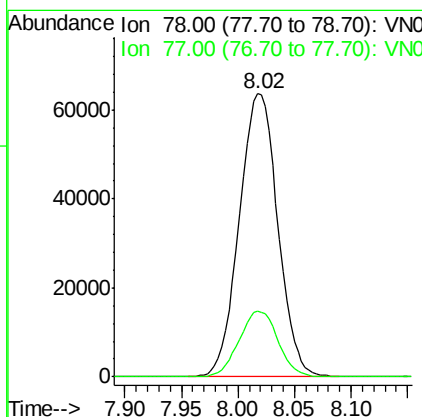
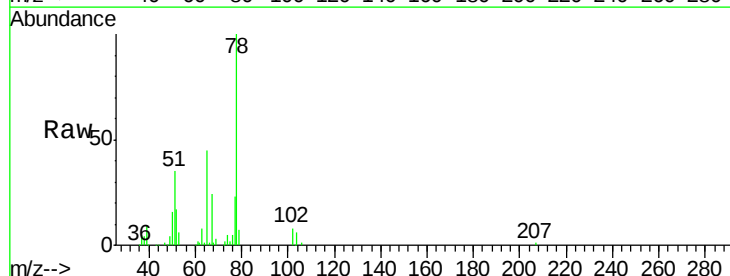
Manual Integrations
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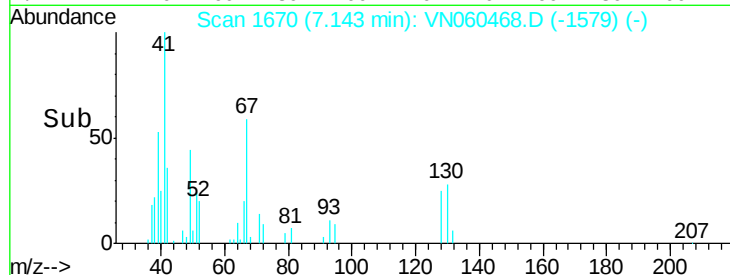
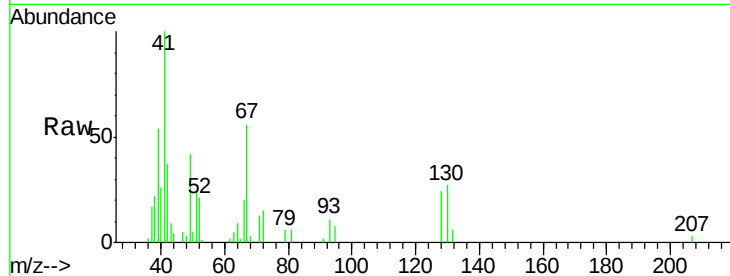
MMDadoda
3/16/2020 11:49:39 AM



#40
Benzene
Concen: 18.330 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





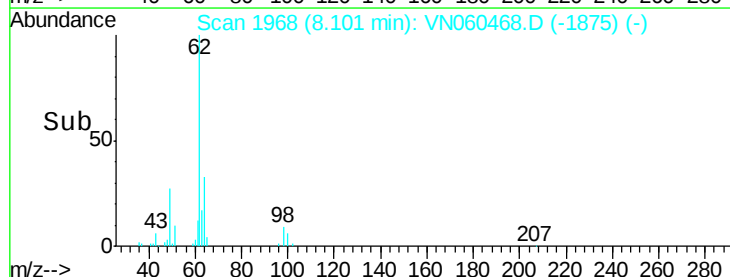
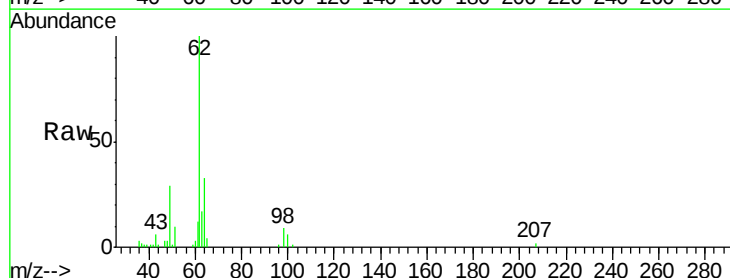
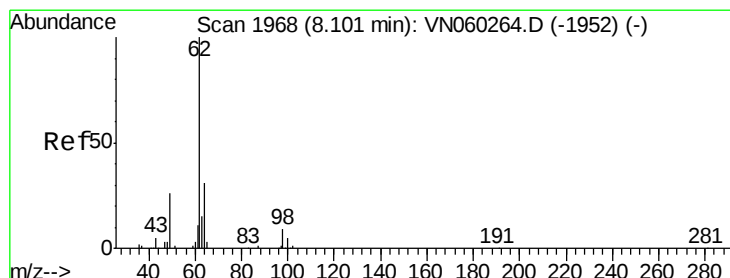
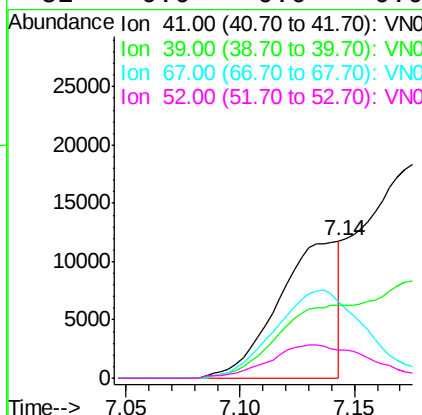
#41
Methacrylonitrile
Concen: 17.663 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	21877		
39	175.9	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

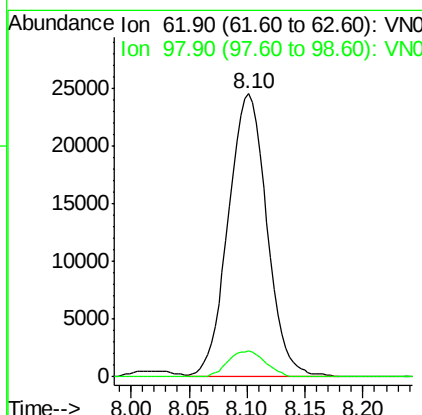
Manual Integrations
APPROVED

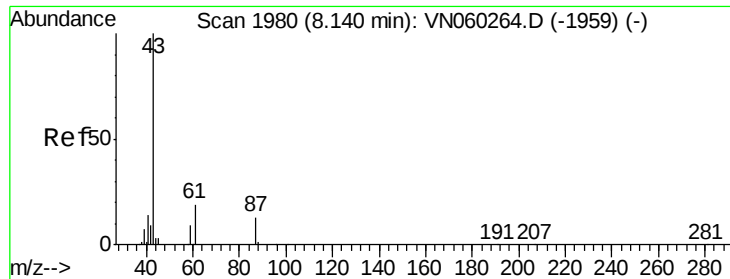
MMDadoda
3/16/2020 11:49:39 AM



#42
1,2-Dichloroethane
Concen: 19.111 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	56863		
98	8.8	0.0	0.0	17.0





#43

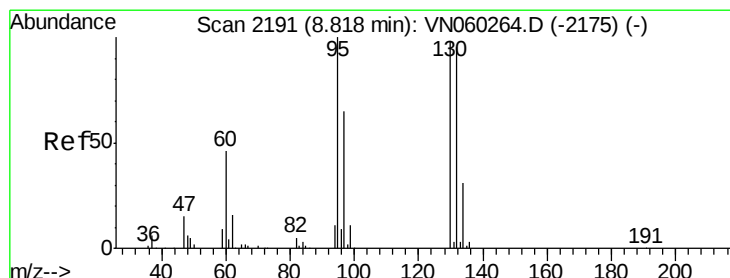
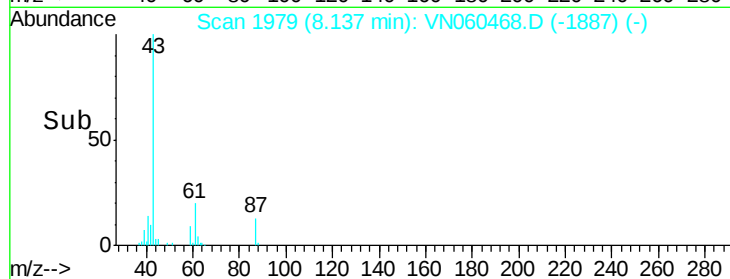
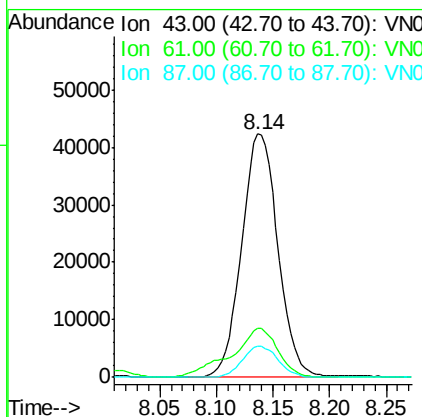
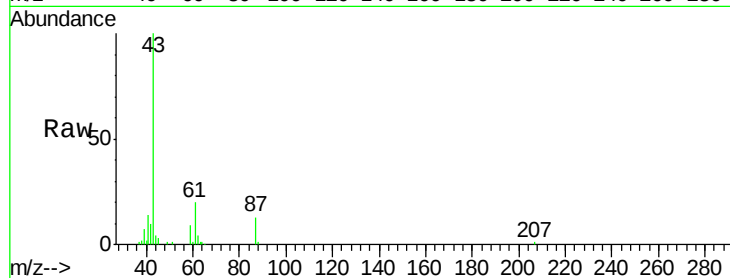
Isopropyl Acetate
 Concen: 20.154 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.9	31.3
87	12.5	10.6	16.0

Manual Integrations
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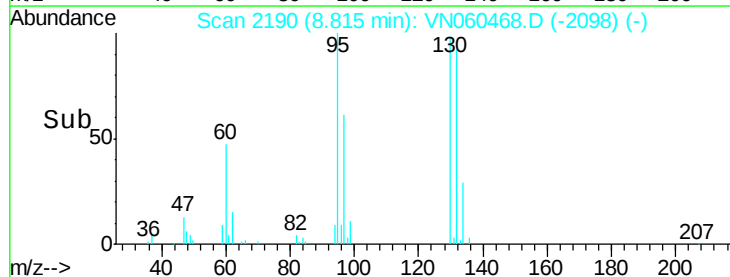
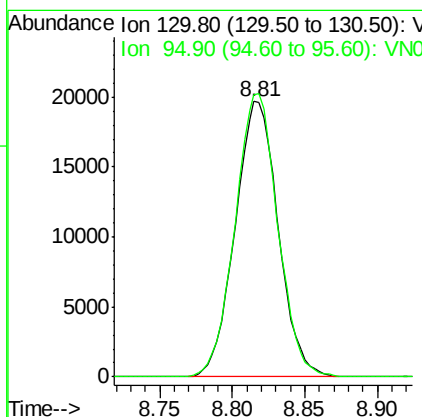
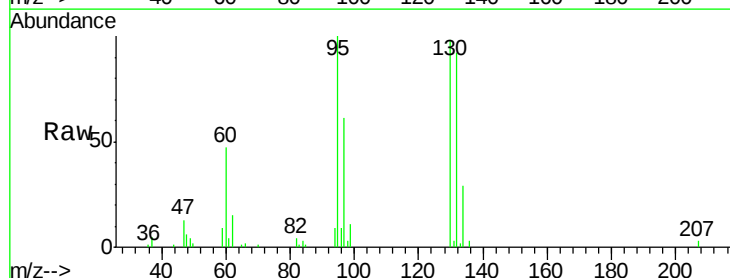
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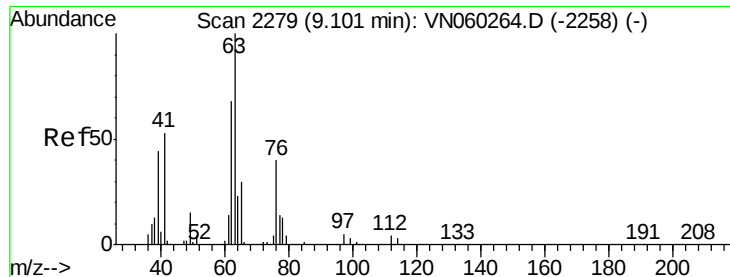


#44

Trichloroethene
 Concen: 17.677 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	203.4





#45

1,2-Dichloropropane

Concen: 20.293 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 63 Resp: 43747

Ion Ratio Lower Upper

63 100

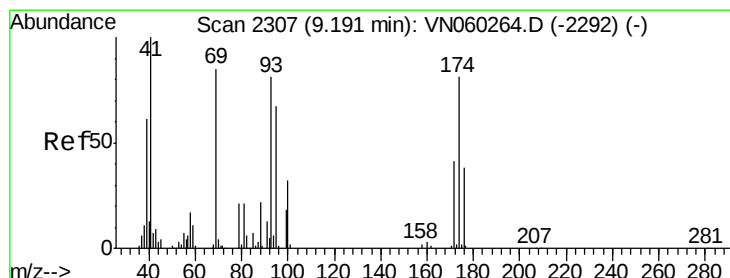
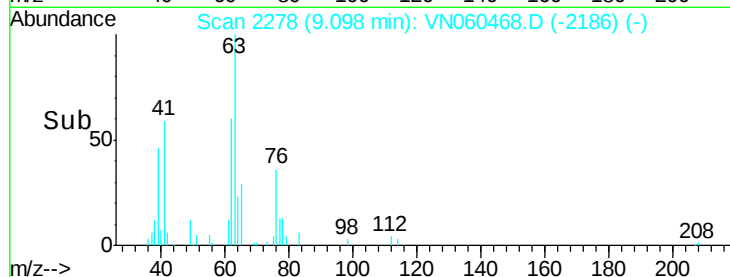
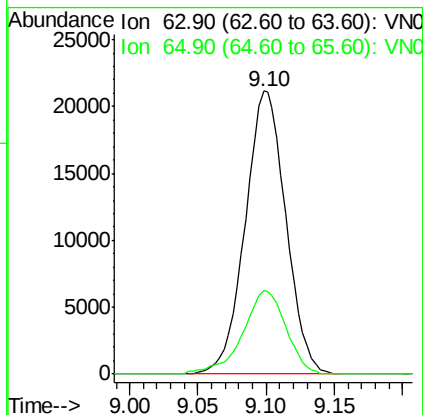
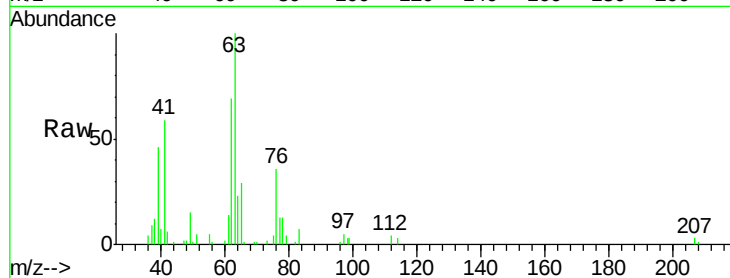
65 29.5 24.4 36.6

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#46

Dibromomethane

Concen: 18.682 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

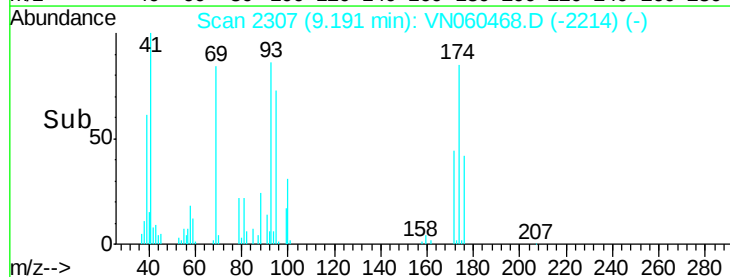
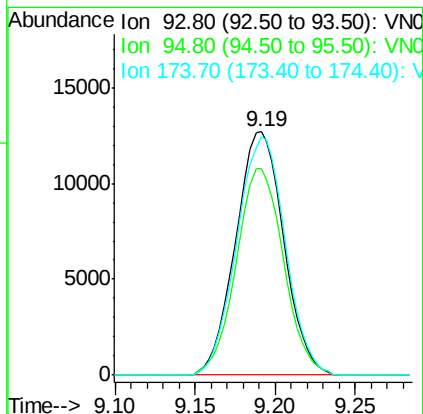
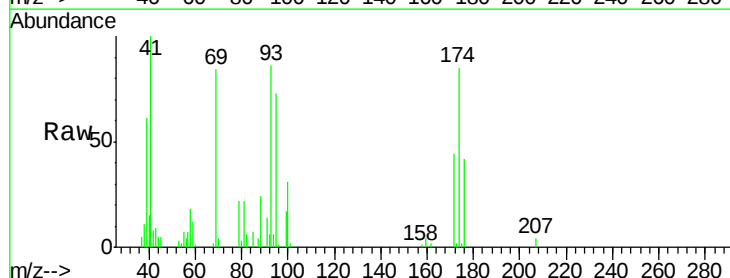
Tgt Ion: 93 Resp: 26132

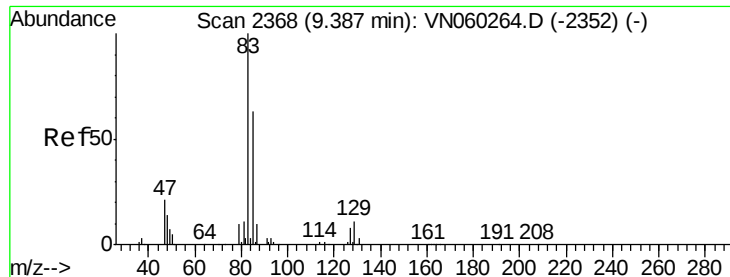
Ion Ratio Lower Upper

93 100

95 83.2 65.9 98.9

174 98.7 79.6 119.4





#47

Bromodichloromethane

Concen: 19.225 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

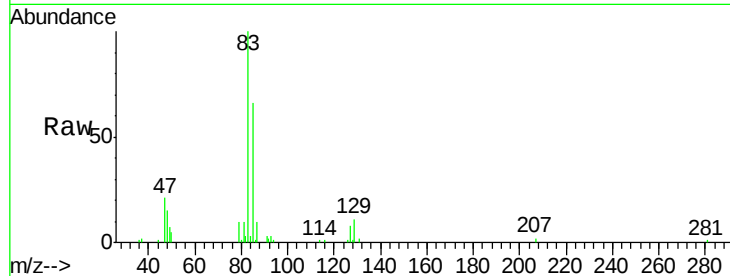
ClientSampleId :

VN0312WBSD01

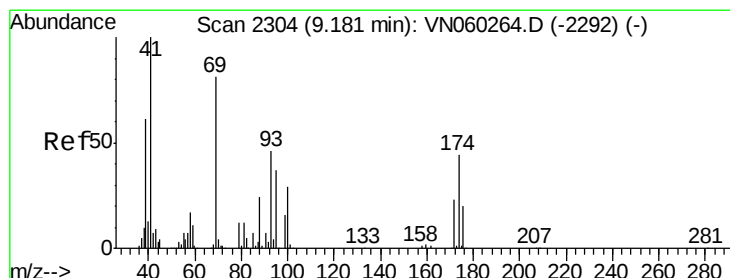
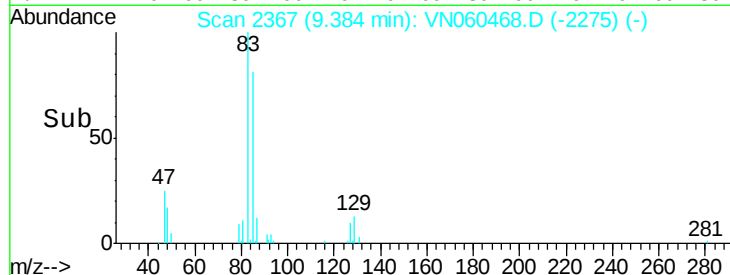
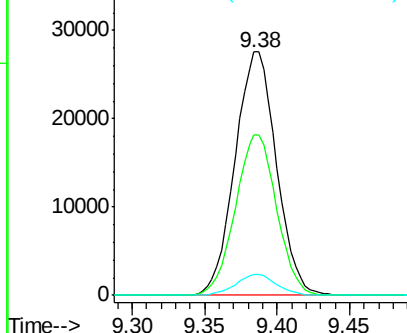
Tot Ion:	83	Resp:	54694
Ion	Ratio	Lower	Upper
83	100		
85	66.1	50.7	76.1
127	8.4	6.8	10.2

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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): V



#48

Methyl methacrylate

Concen: 18.640 ug/l

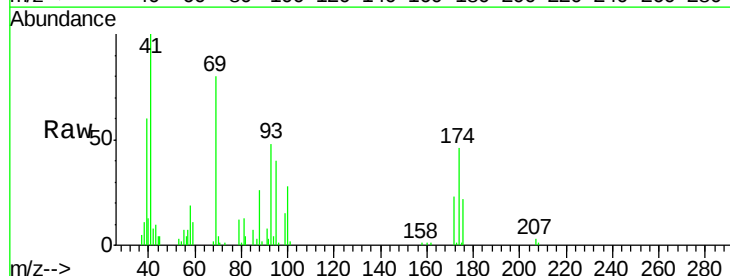
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

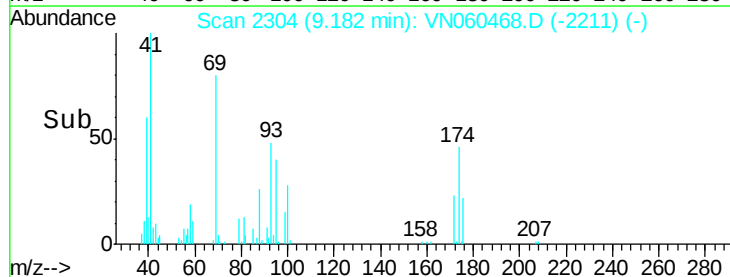
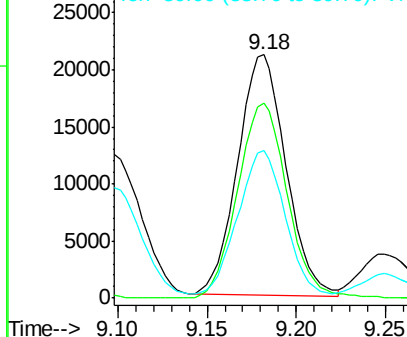
Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	41	Resp:	39916
Ion	Ratio	Lower	Upper
41	100		
69	83.3	66.7	100.1
39	61.4	50.1	75.1



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





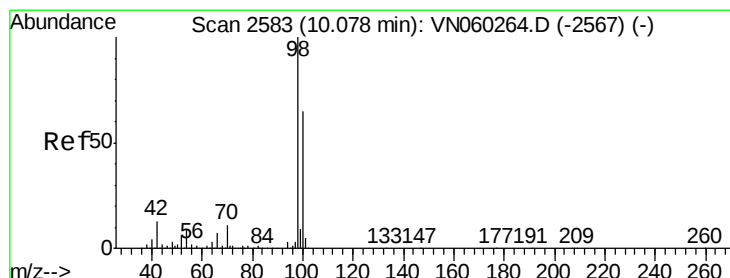
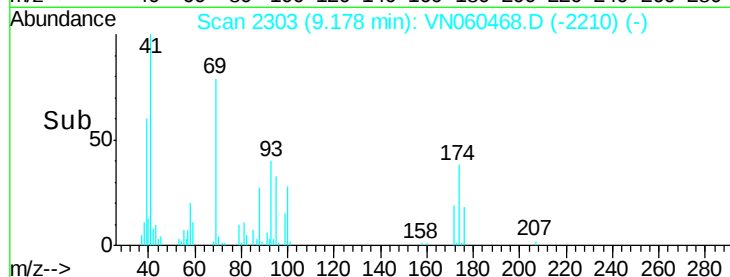
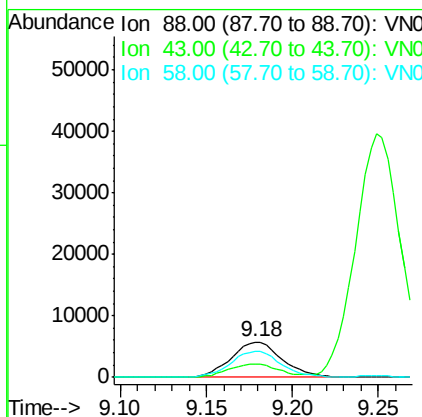
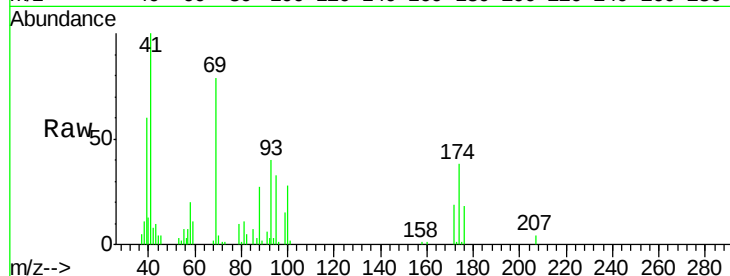
#49
1,4-Dioxane
Concen: 389.751 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.5	30.4	45.6
58	72.9	57.0	85.6

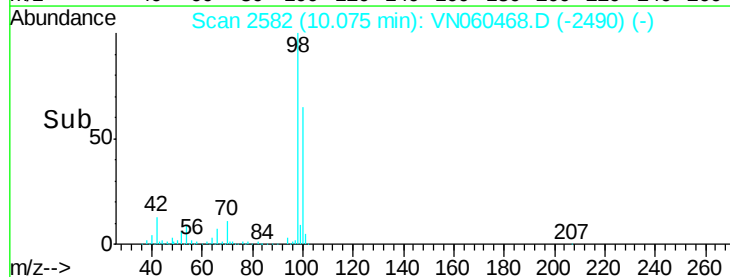
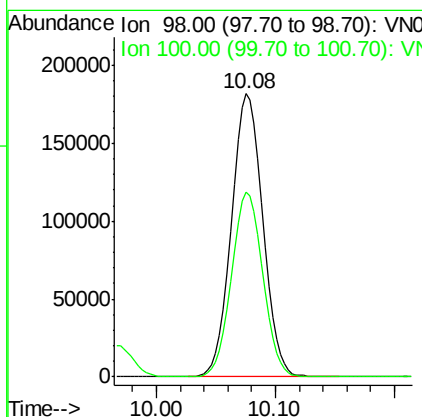
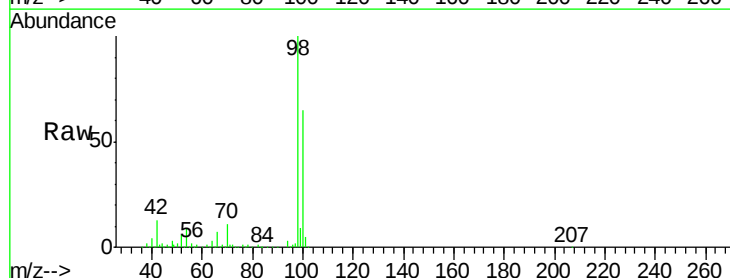
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#50
Toluene-d8
Concen: 47.592 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 102.476 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 43 Resp: 272846

Ion Ratio Lower Upper

43 100

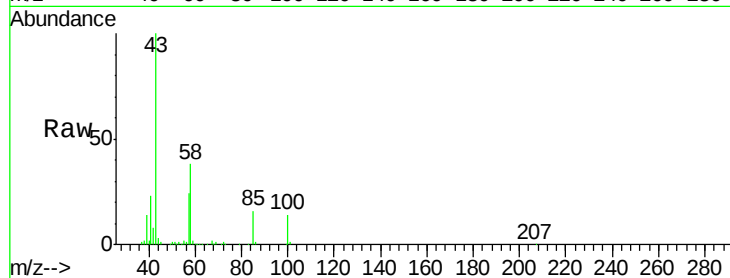
58 38.1 30.9 46.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

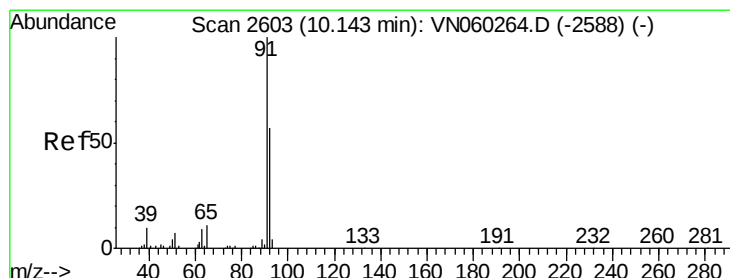
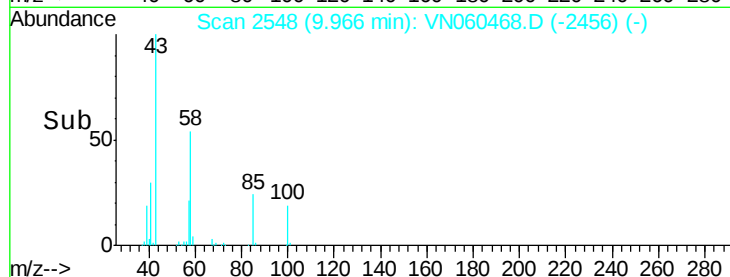
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.285 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060468.D

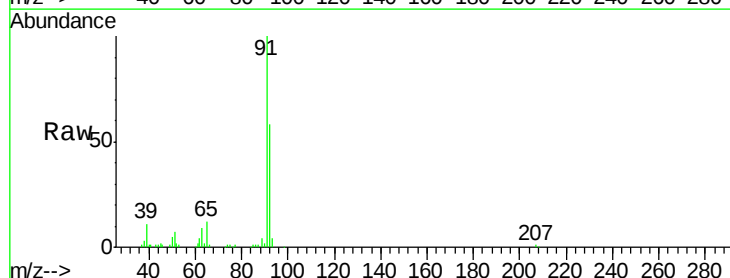
Acq: 12 Mar 2020 11:01

Tgt Ion: 92 Resp: 94706

Ion Ratio Lower Upper

92 100

91 171.6 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

100000

80000

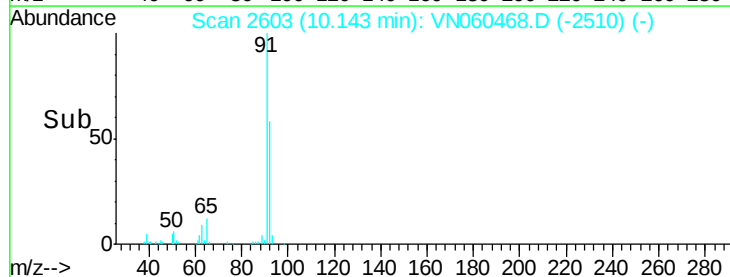
60000

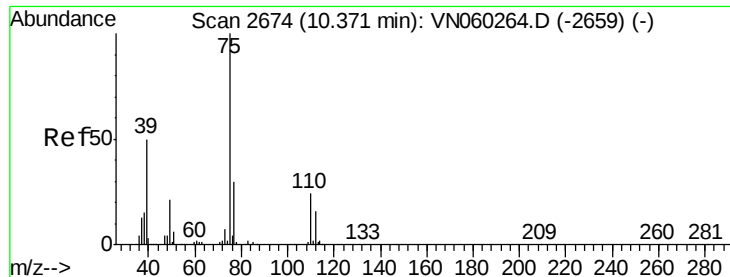
40000

20000

0

Time-->





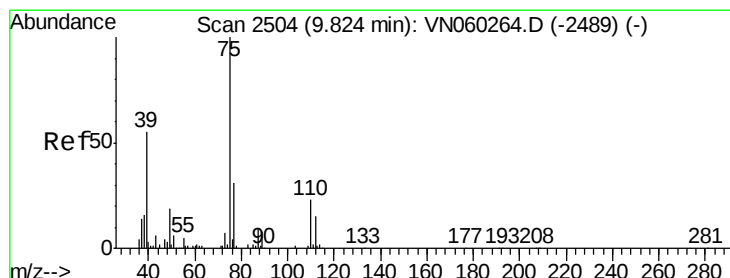
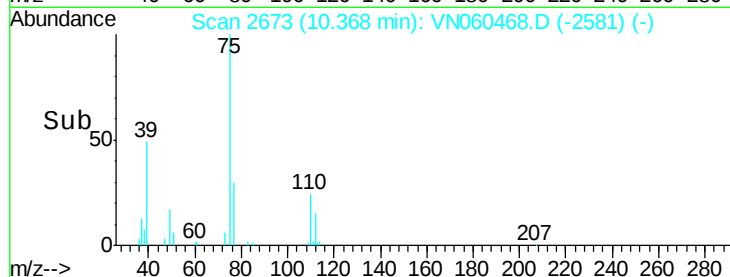
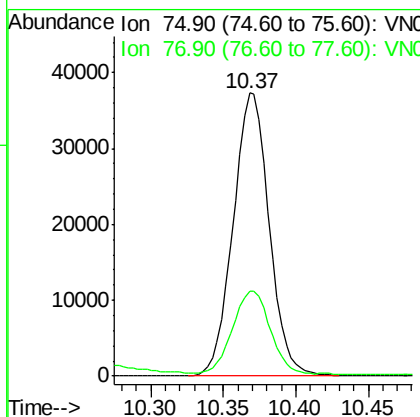
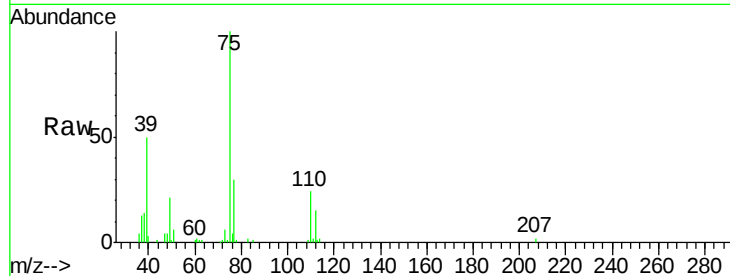
#53
t-1,3-Dichloropropene
Concen: 18.496 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.2	24.8	37.2

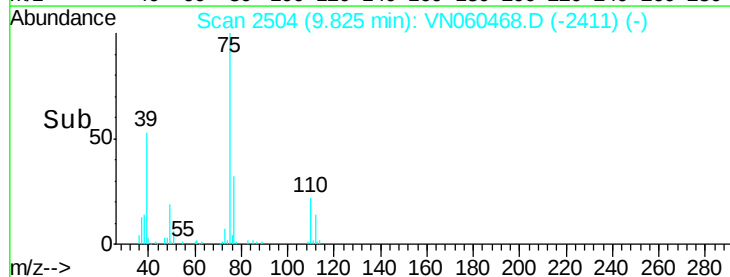
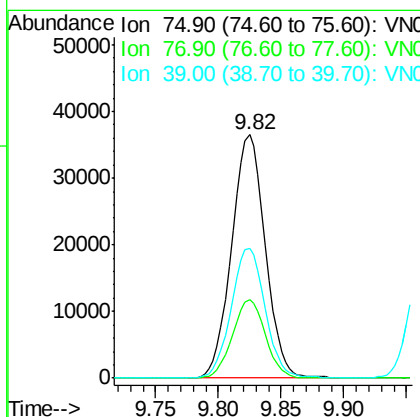
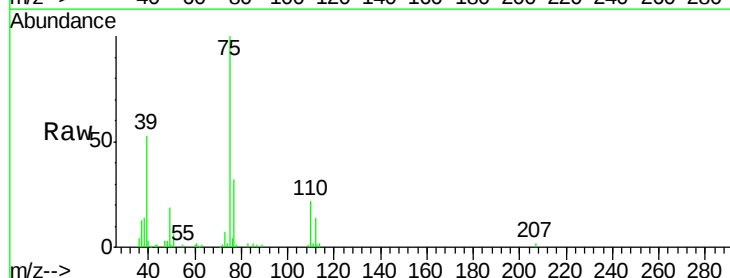
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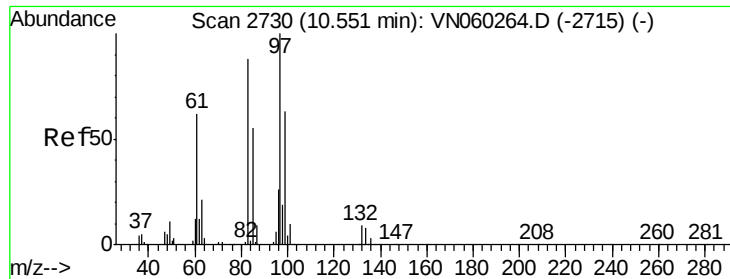
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#54
cis-1,3-Dichloropropene
Concen: 18.844 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	53.3	43.8	65.8





#55

1,1,2-Trichloroethane

Concen: 19.127 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 97 Resp: 39838

Ion Ratio Lower Upper

97 100

83 88.7 70.0 105.0

85 55.6 44.0 66.0

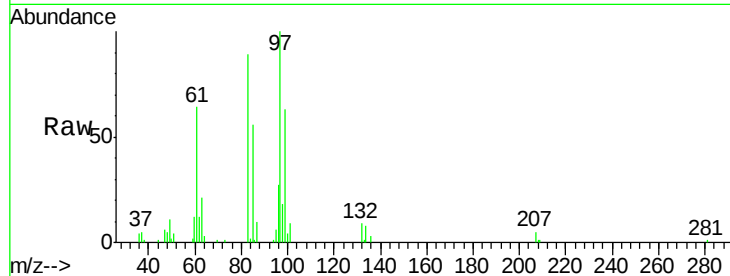
99 63.2 50.4 75.6

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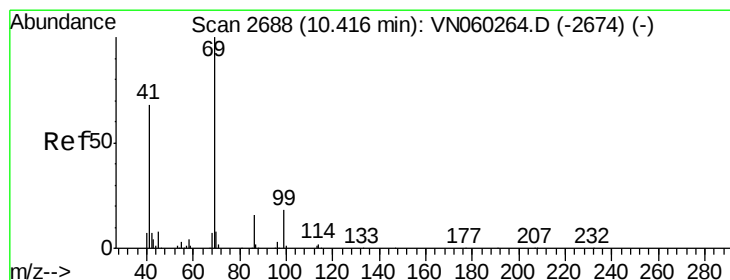
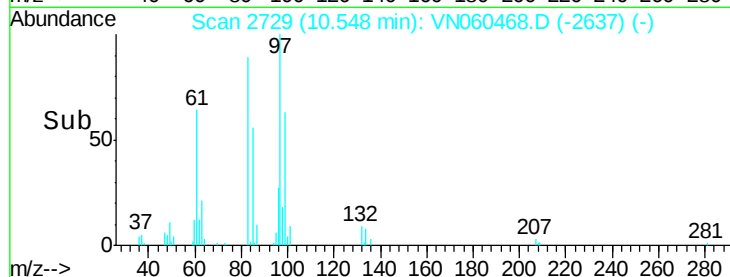
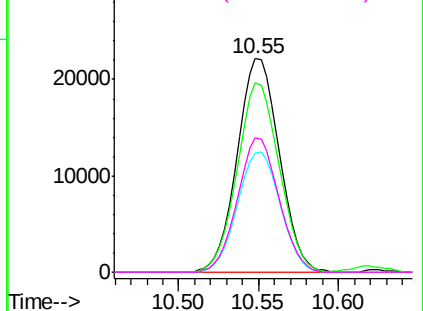


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.933 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

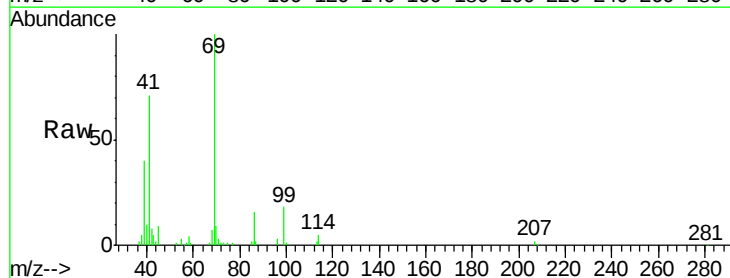
Tgt Ion: 69 Resp: 56654

Ion Ratio Lower Upper

69 100

41 72.2 54.1 81.1

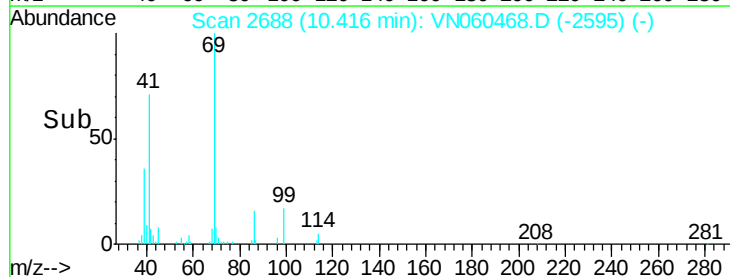
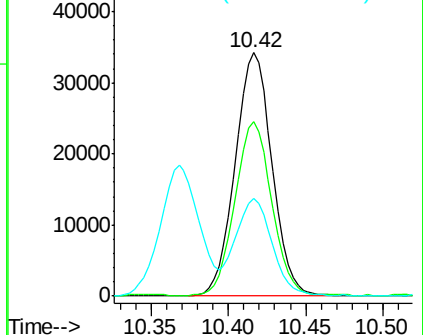
39 40.3 32.5 48.7

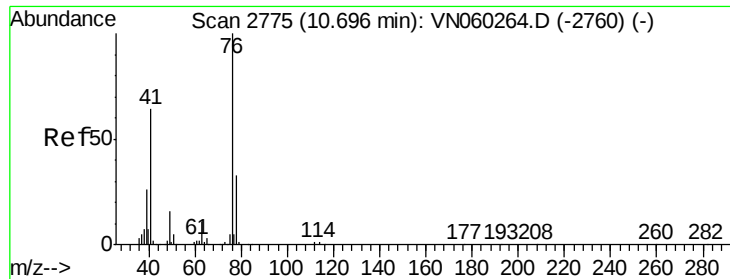


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





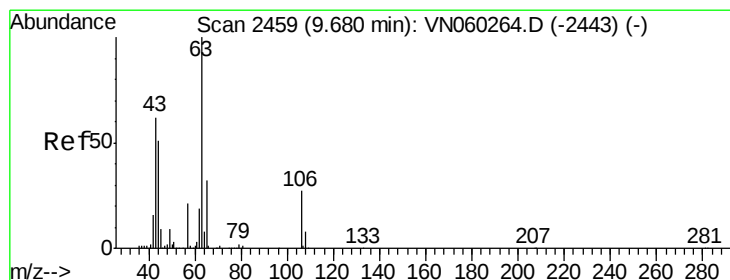
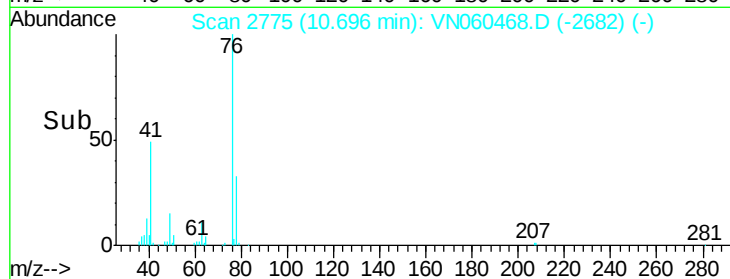
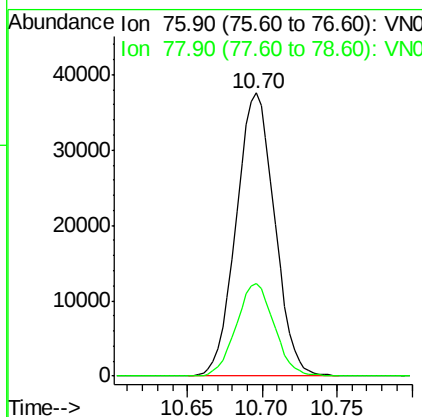
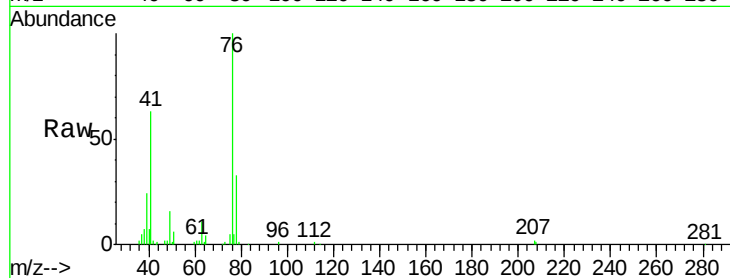
#57
 1,3-Dichloropropane
 Concen: 19.766 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.2

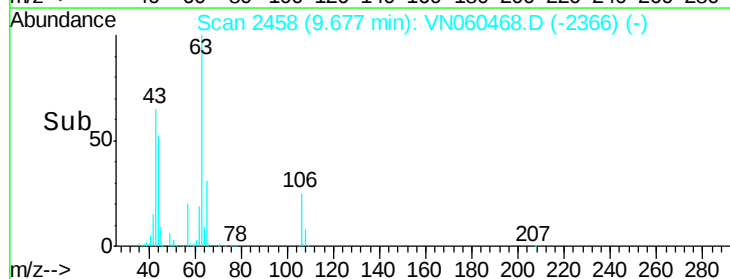
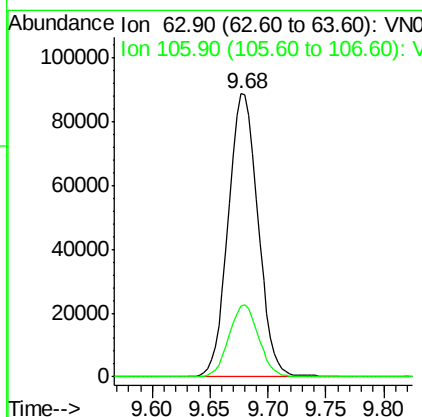
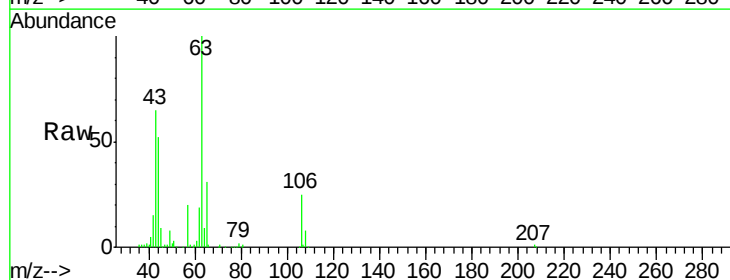
Manual Integrations
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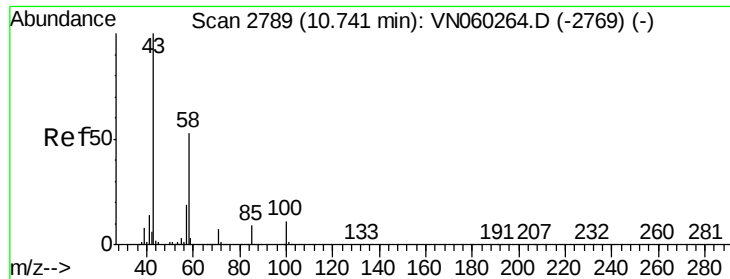
MMDadoda
 3/16/2020 11:49:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.840 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	21.1	31.7





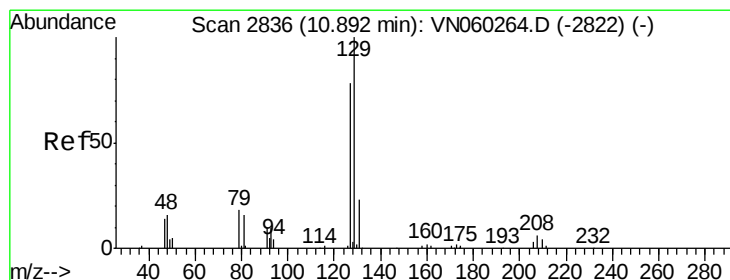
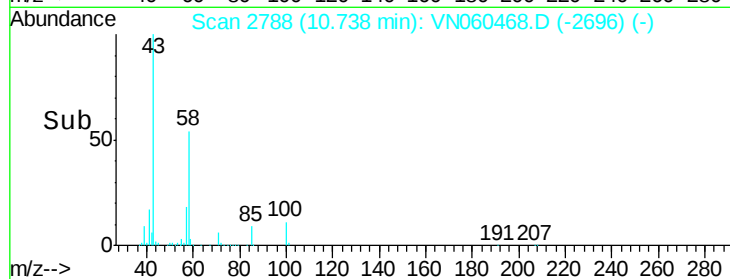
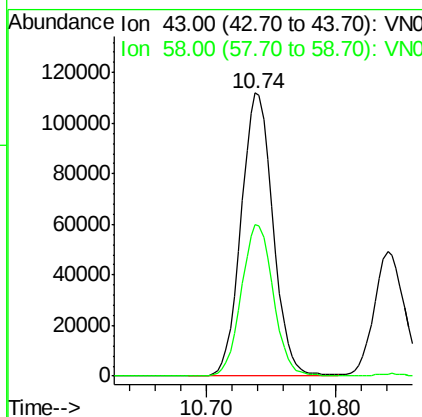
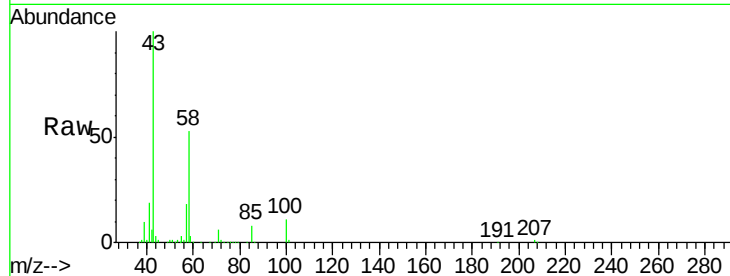
#59
2-Hexanone
Concen: 98.518 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.7	26.5	79.5

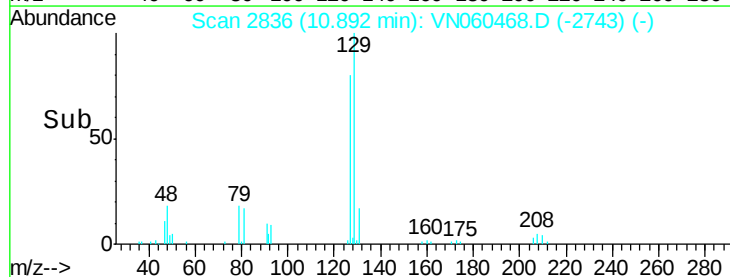
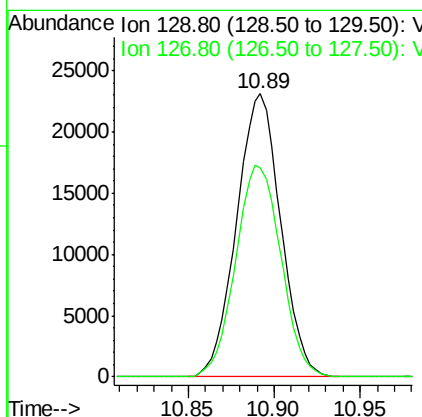
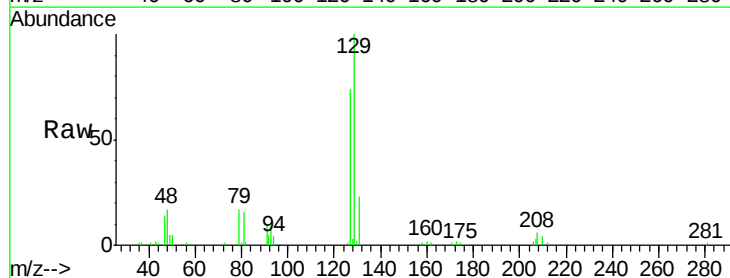
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3/16/2020 11:49:39 AM



#60
Dibromochloromethane
Concen: 19.392 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.9	116.7





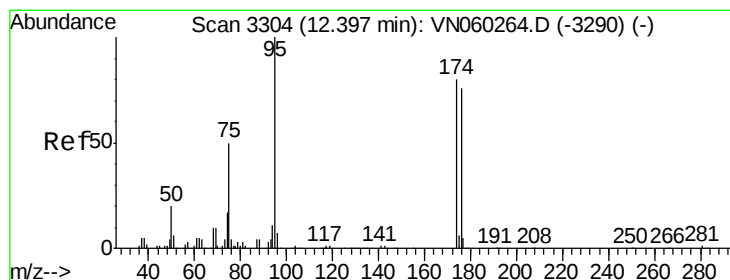
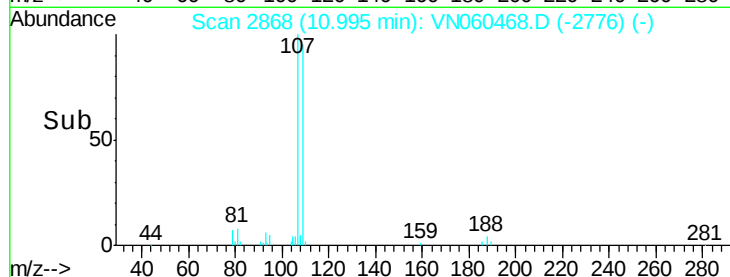
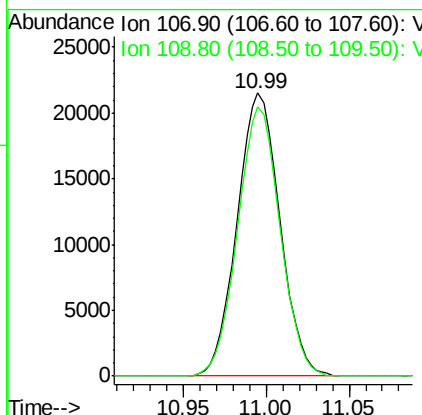
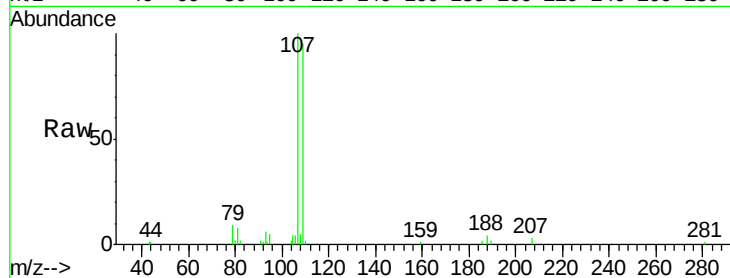
#61
 1,2-Dibromoethane
 Concen: 19.012 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	76.8	115.2

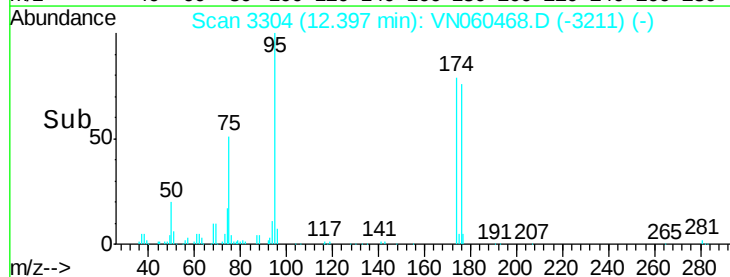
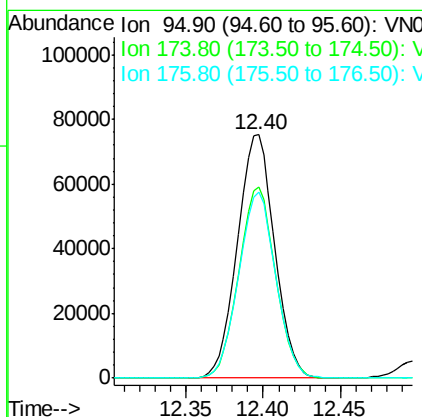
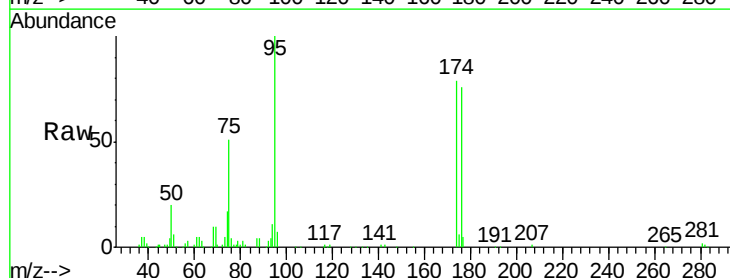
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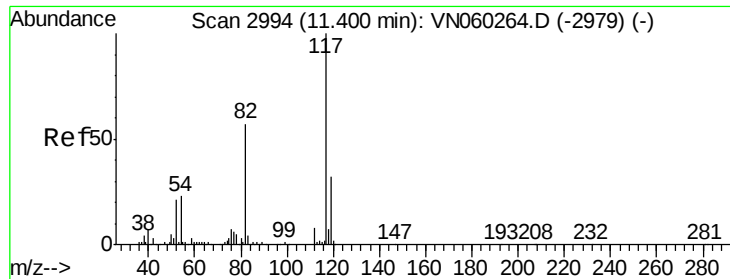
MMDadoda
 3/16/2020 11:49:39 AM



#62
 4-Bromofluorobenzene
 Concen: 47.497 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	159.2
176	76.1	0.0	153.8





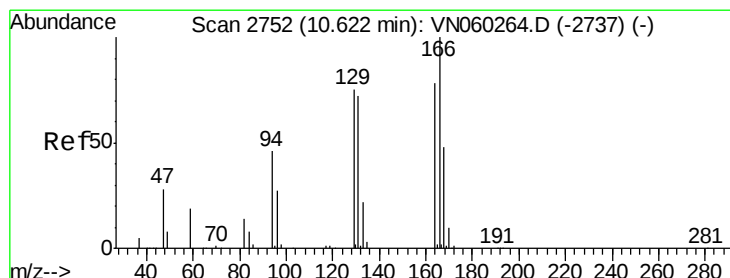
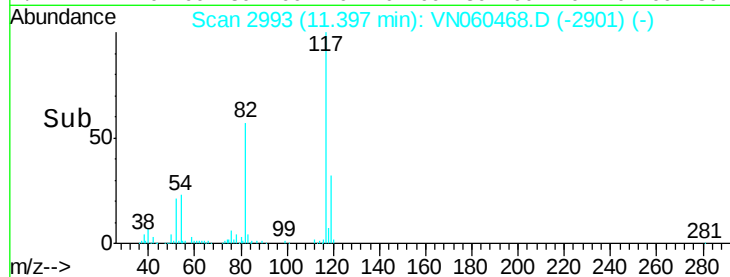
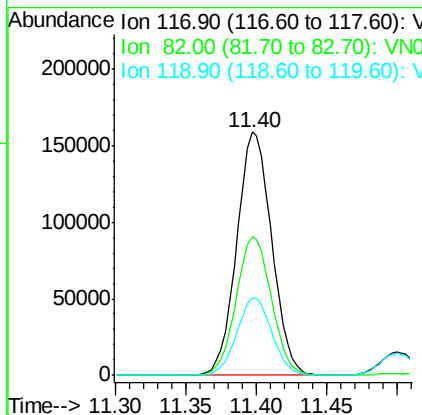
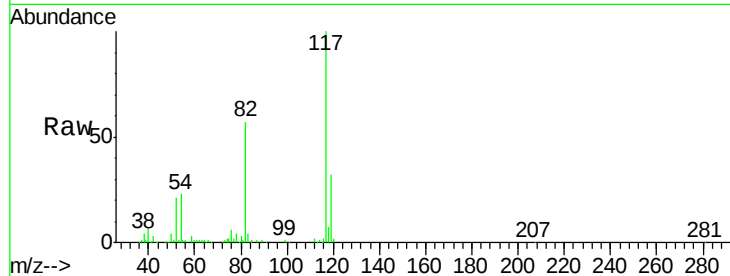
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.6
119	31.9	25.8	38.8

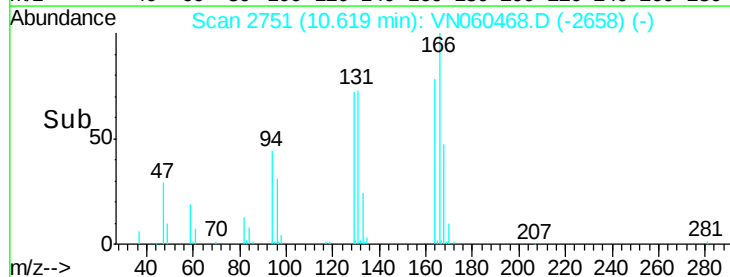
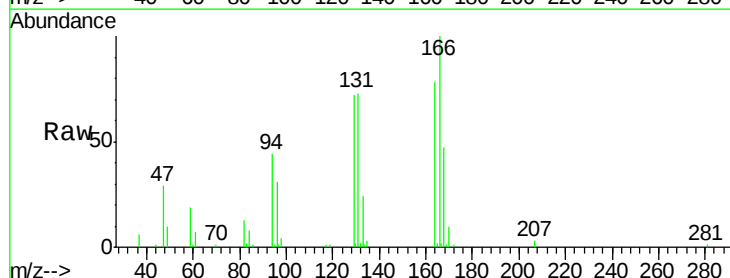
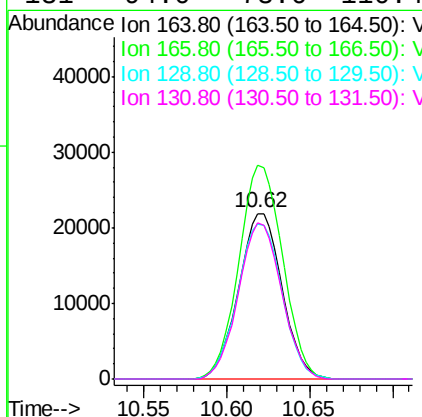
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#64
Tetrachloroethene
Concen: 17.352 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.0	153.0
129	93.2	76.4	114.6
131	94.0	73.6	110.4





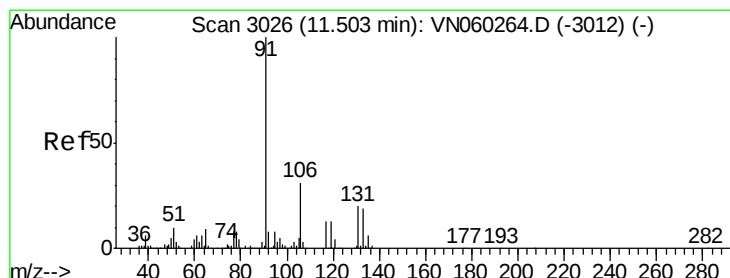
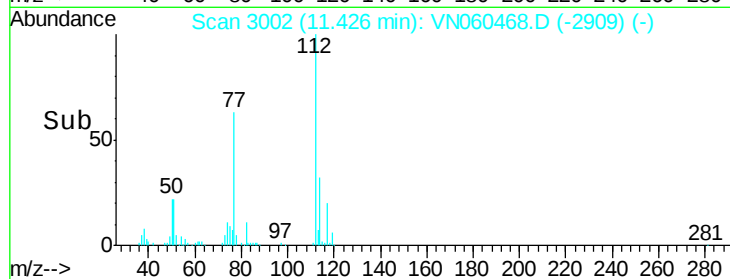
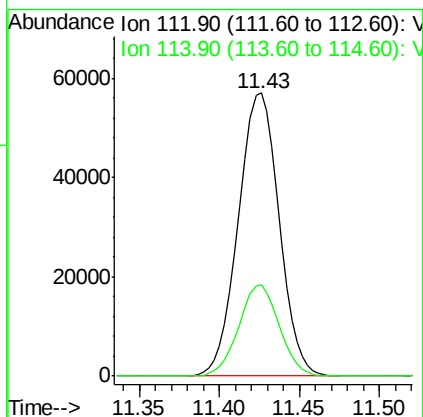
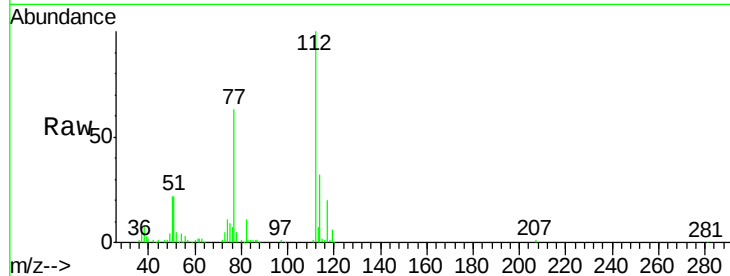
#65
Chlorobenzene
Concen: 17.772 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

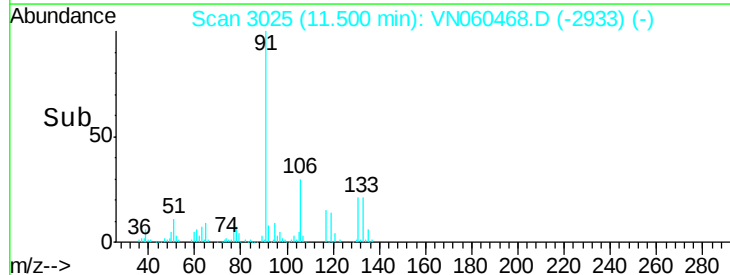
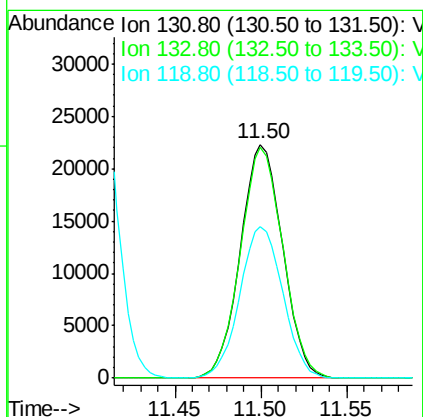
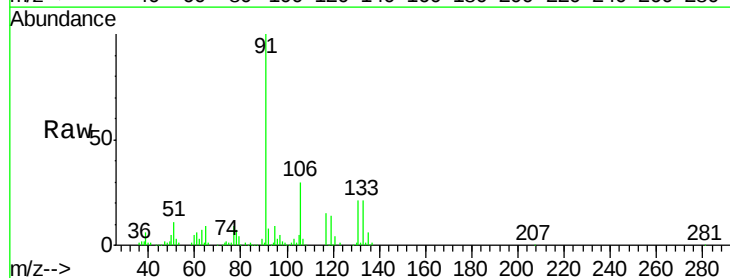
Manual Integrations
APPROVED

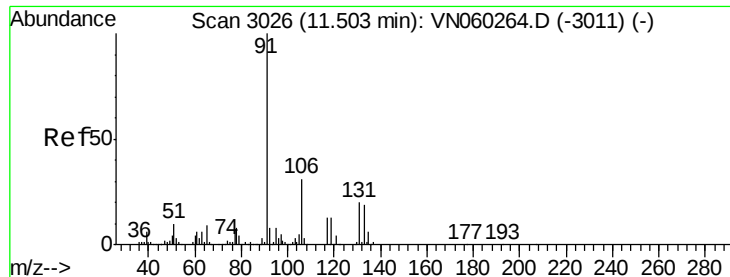
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.483 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.5	47.7	143.1
119	66.1	33.2	99.6





#67

Ethyl Benzene

Concen: 17.956 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 91 Resp: 182543

Ion Ratio Lower Upper

91 100

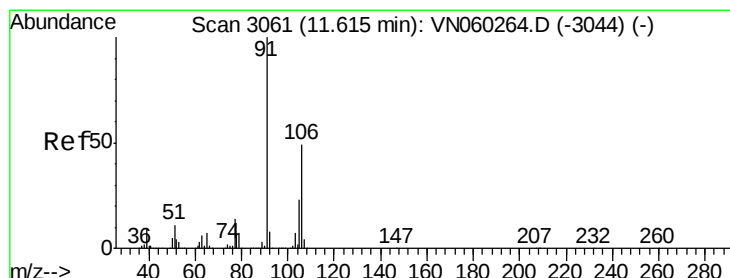
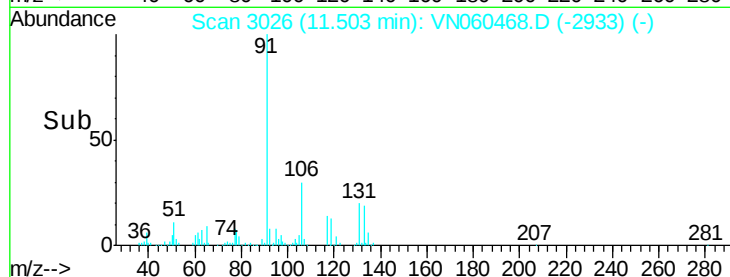
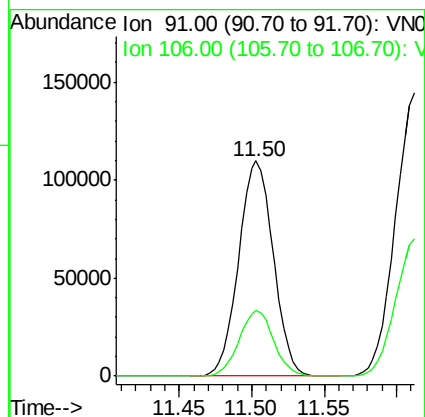
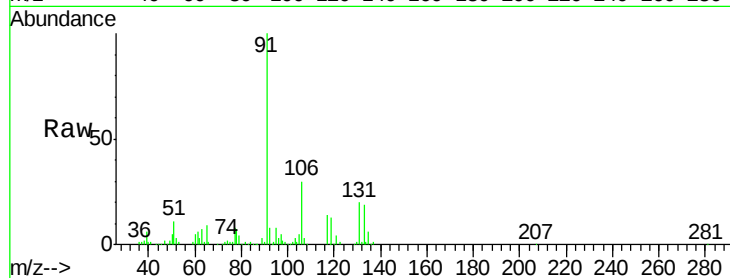
106 30.4 24.7 37.1

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#68

m/p-Xylenes

Concen: 35.105 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060468.D

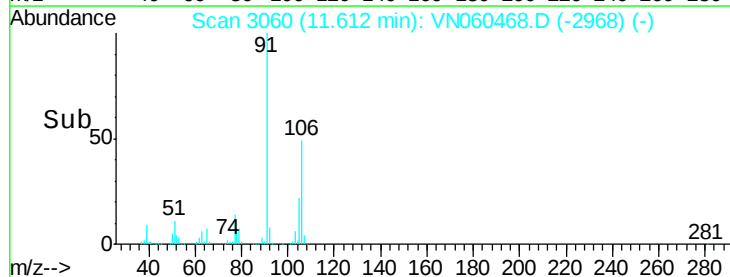
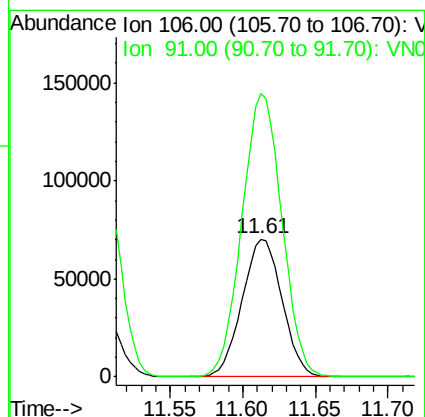
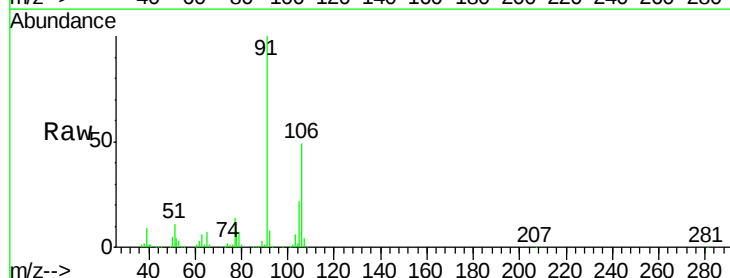
Acq: 12 Mar 2020 11:01

Tgt Ion: 106 Resp: 134649

Ion Ratio Lower Upper

106 100

91 206.0 164.5 246.7





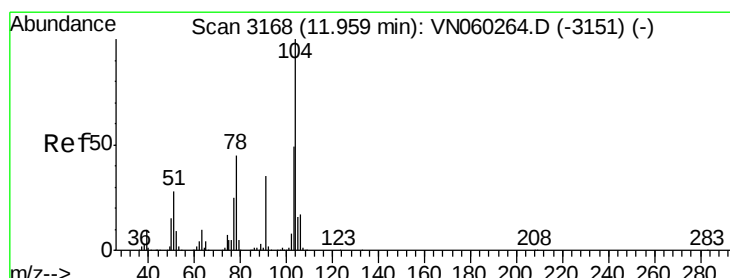
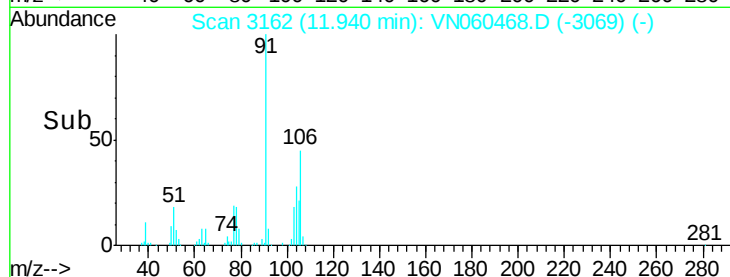
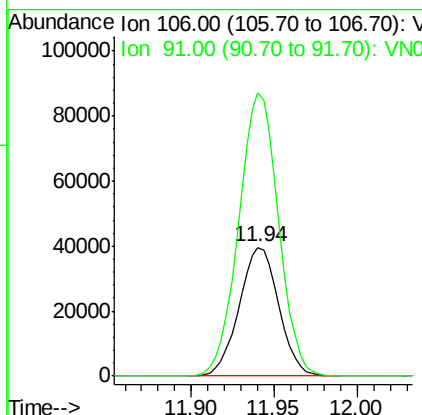
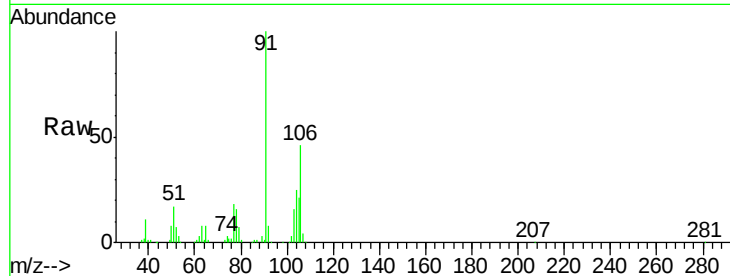
#69
o-Xylene
Concen: 17.905 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.1	109.5	328.4	

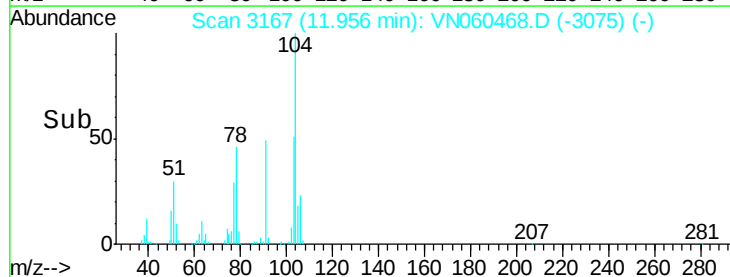
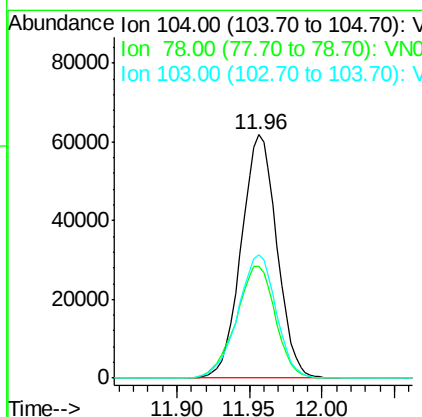
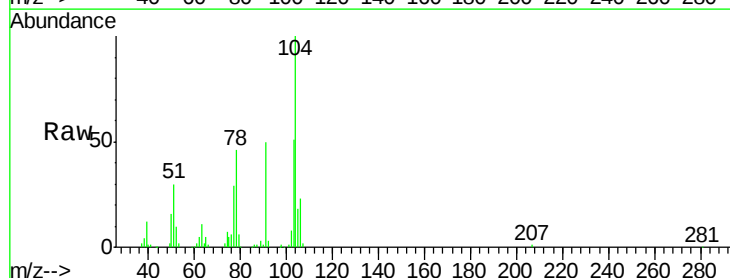
Manual Integrations
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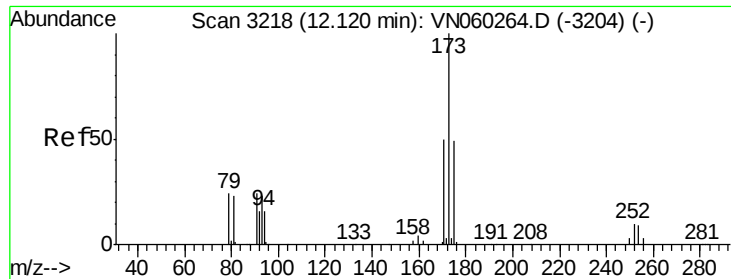
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#70
Styrene
Concen: 17.585 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.8	41.2	61.8	
103	54.4	43.9	65.9	





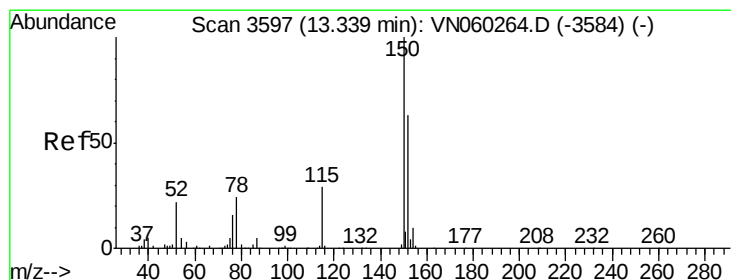
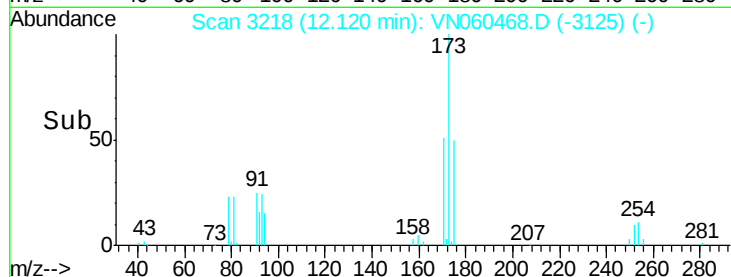
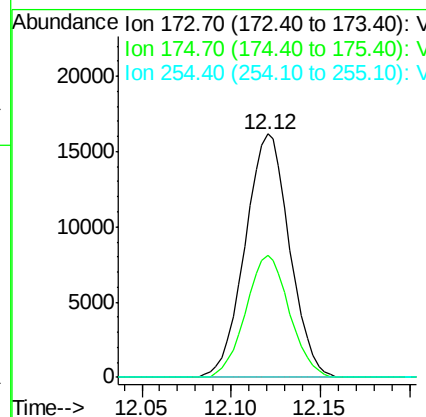
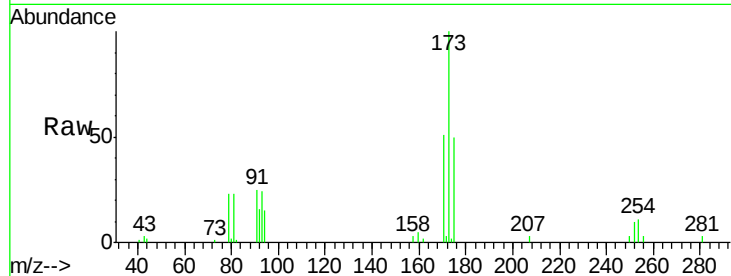
#71
Bromoform
Concen: 18.916 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.2
254	0.0	0.0	0.0

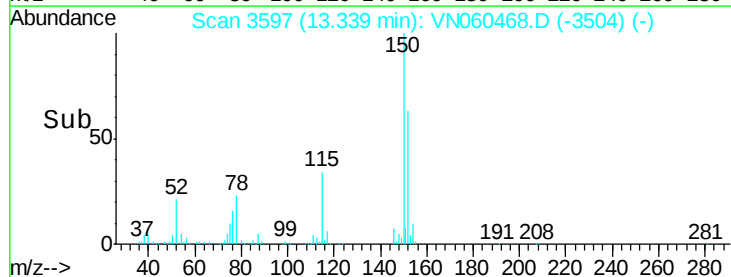
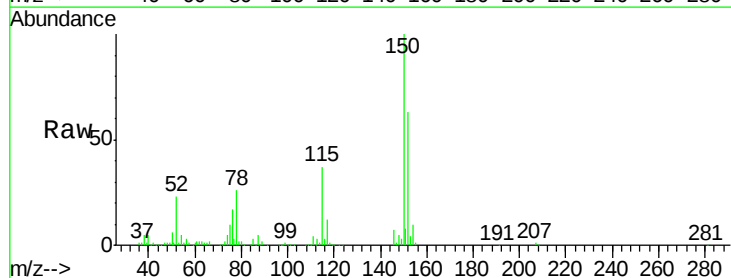
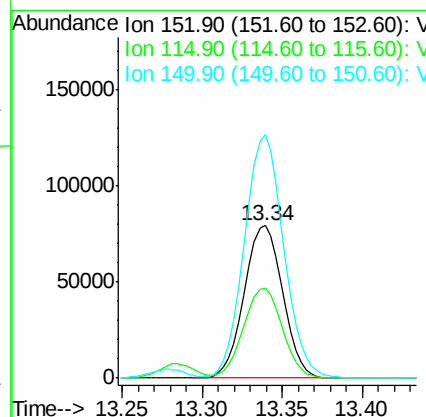
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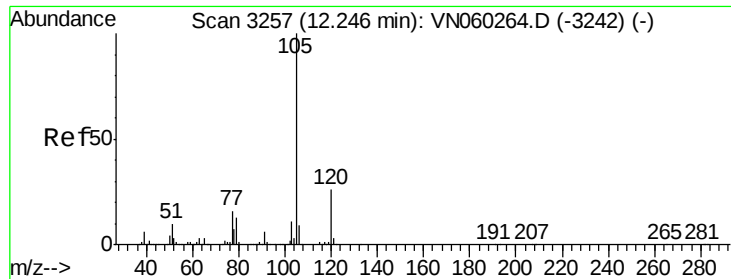
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.0	90.0
150	163.9	0.0	349.6





#73

Isopropylbenzene

Concen: 18.260 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion: 105 Resp: 176048

Ion Ratio Lower Upper

105 100

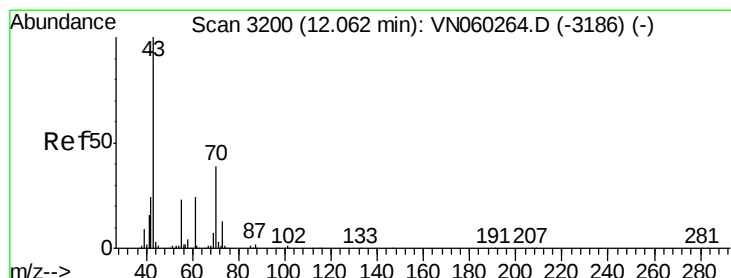
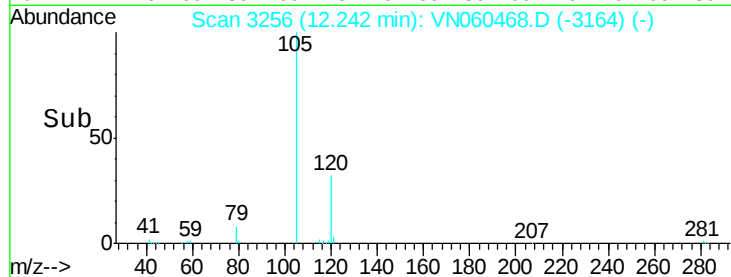
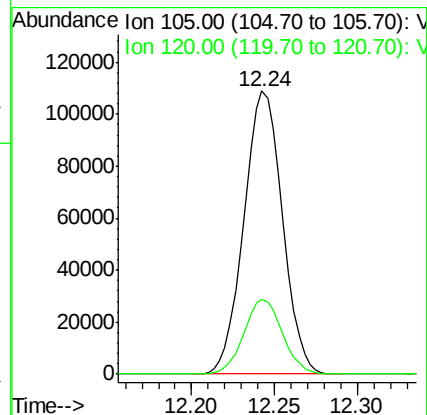
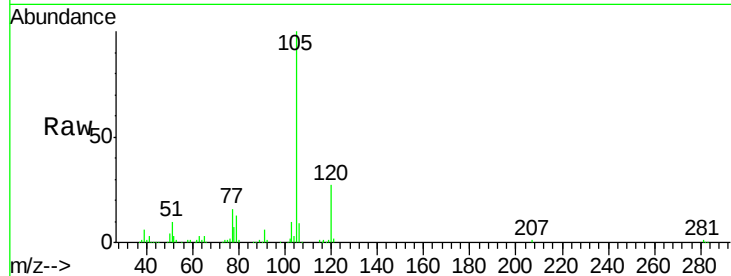
120 26.3 13.0 38.9

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#74

N-ethyl acetate

Concen: 18.987 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion: 43 Resp: 79992

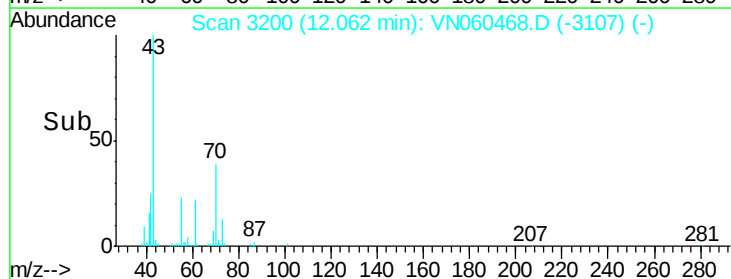
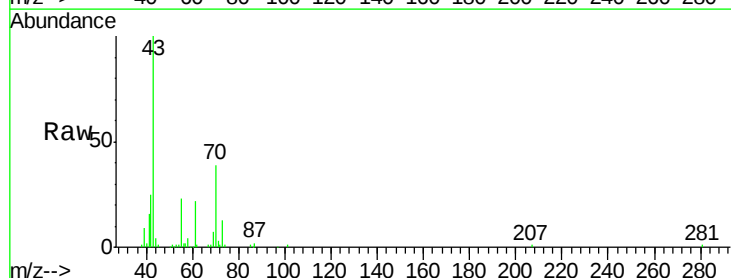
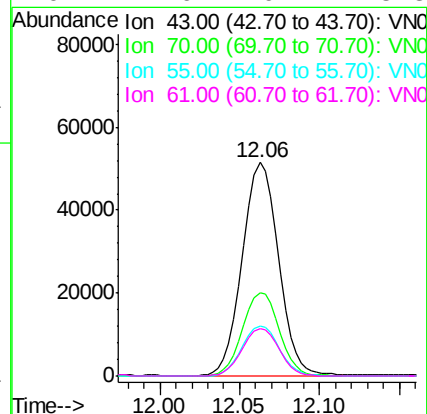
Ion Ratio Lower Upper

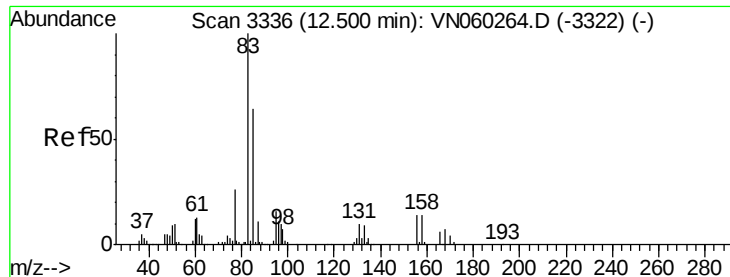
43 100

70 39.4 32.2 48.2

55 23.8 18.2 27.4

61 22.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.764 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

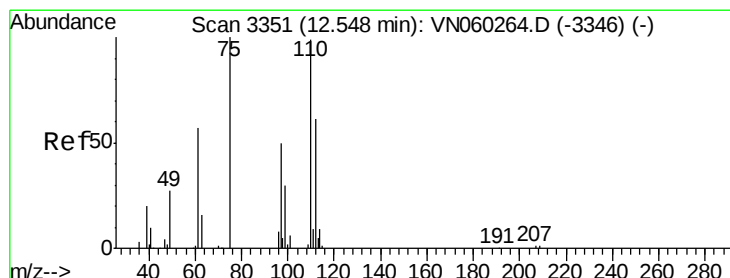
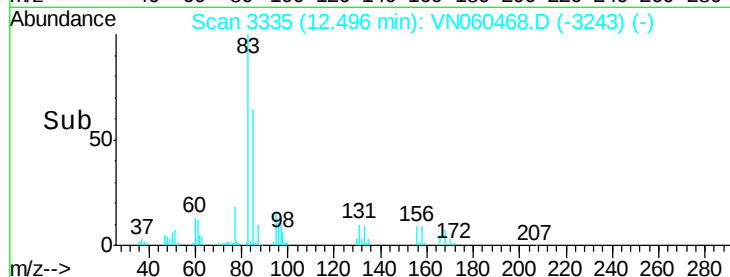
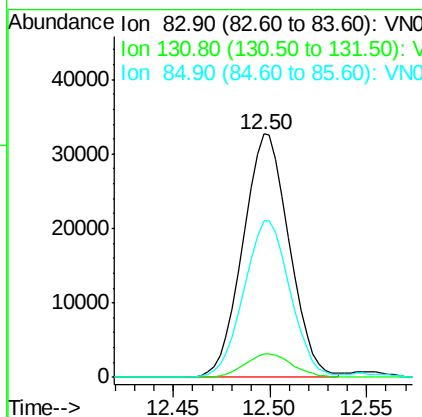
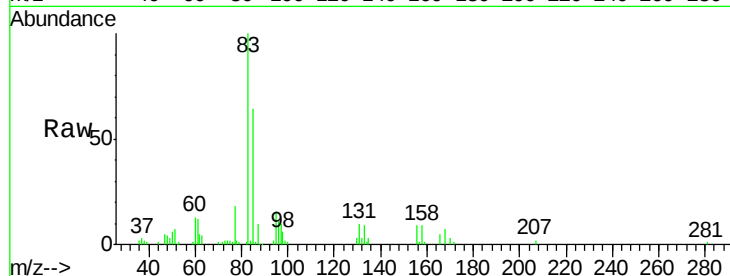
ClientSampleId :

VN0312WBSD01

Tot Ion:	83	Resp:	54417
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.3
85	64.7	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 18.609 ug/l m

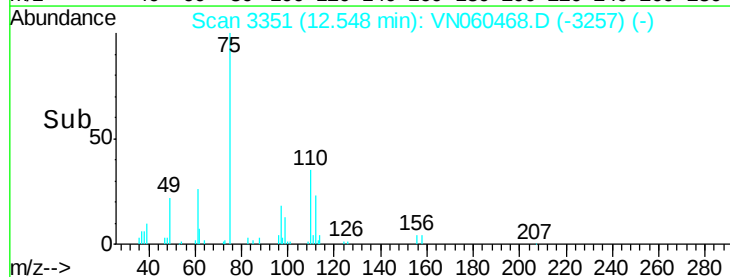
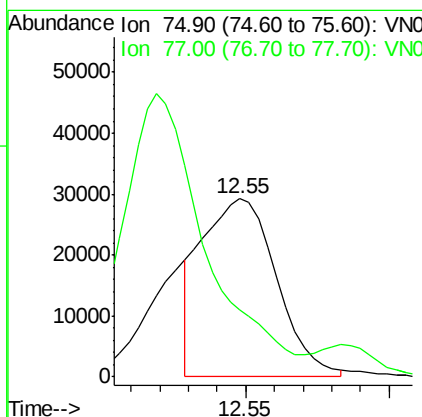
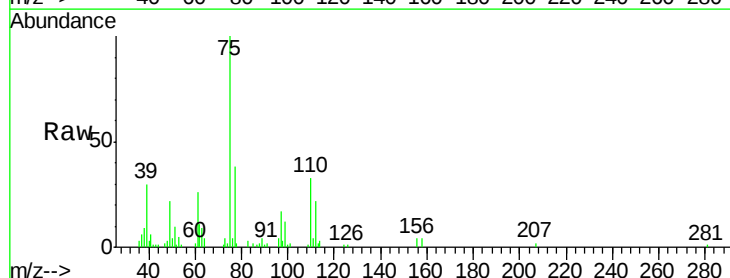
RT: 12.55 min Scan# 3351

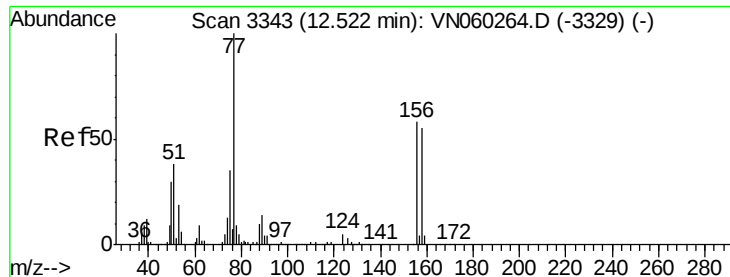
Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	75	Resp:	53109
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.035 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

VN0312WBSD01

Tot Ion:156 Resp: 42623

Ion Ratio Lower Upper

156 100

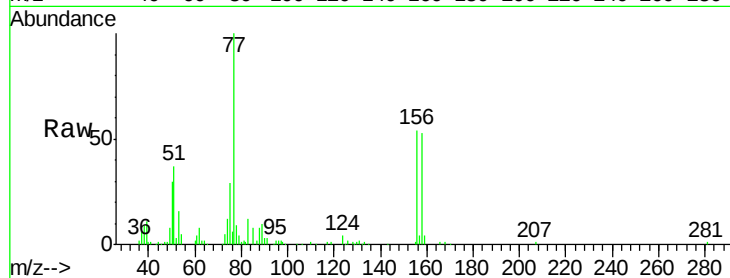
77 220.4 106.1 318.3

158 97.7 48.3 144.8

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MMDadoda

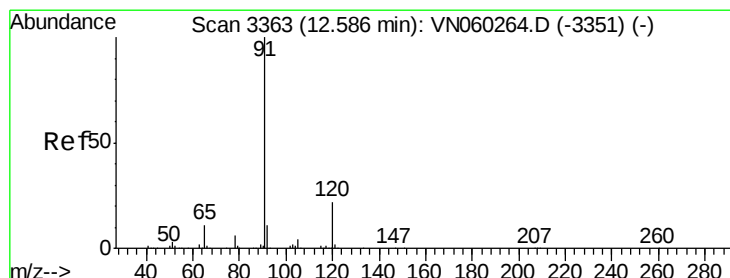
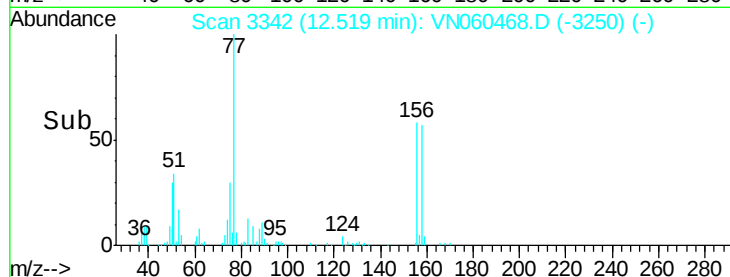
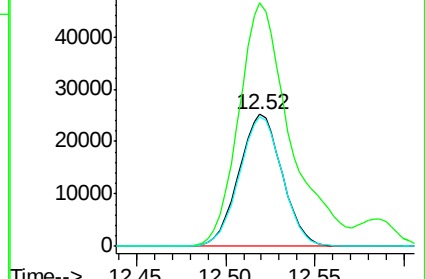
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.137 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060468.D

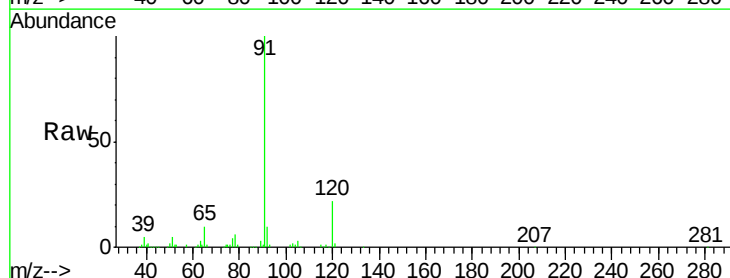
Acq: 12 Mar 2020 11:01

Tgt Ion: 91 Resp: 204971

Ion Ratio Lower Upper

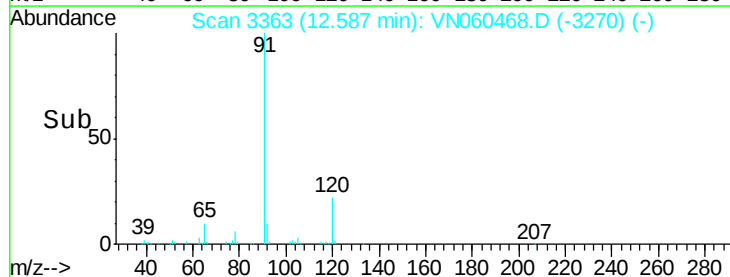
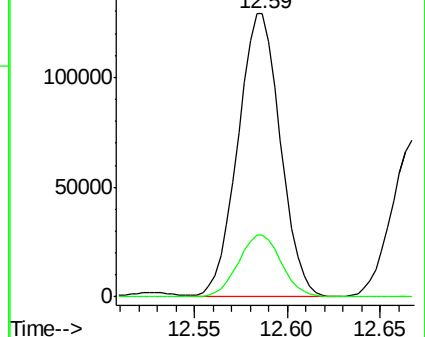
91 100

120 22.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





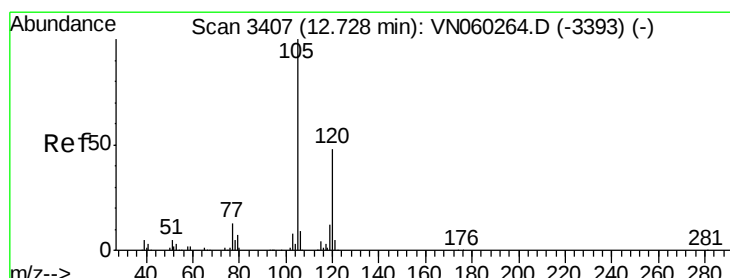
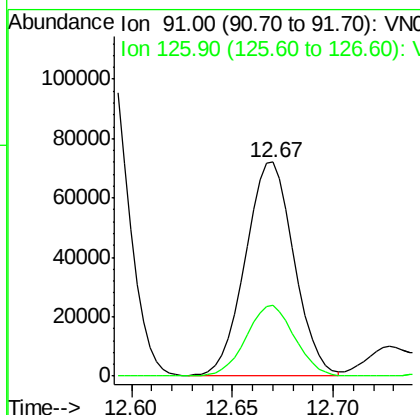
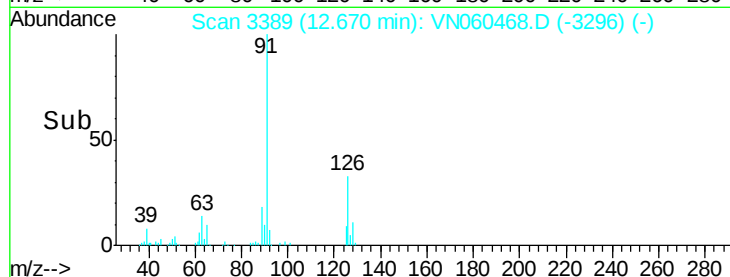
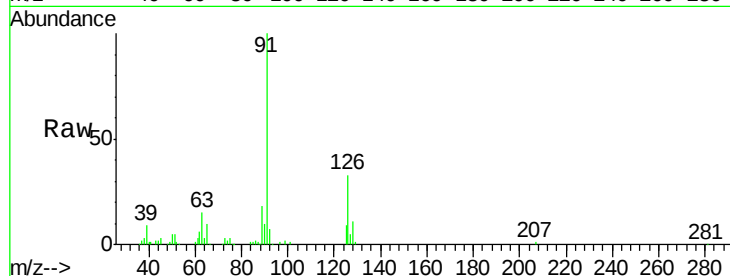
#79
 2-Chlorotoluene
 Concen: 18.276 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion: 91 Resp: 121409
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8

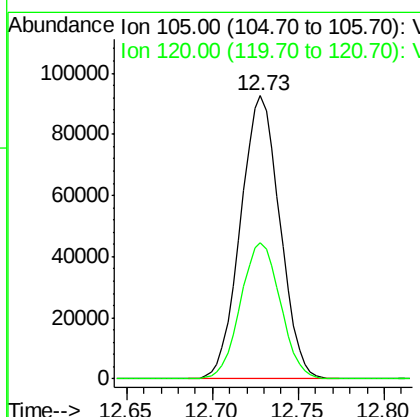
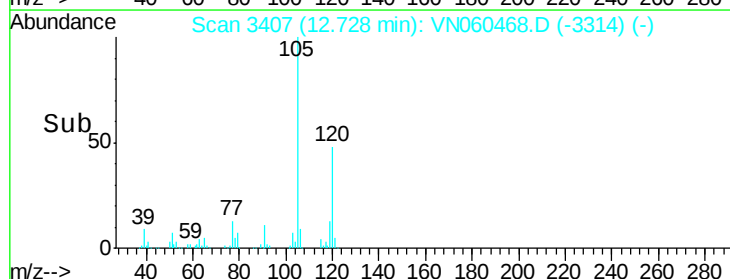
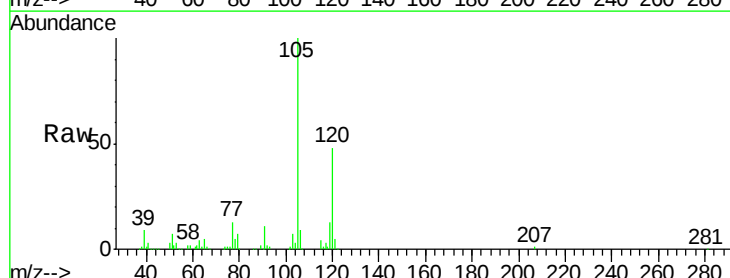
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.155 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion: 105 Resp: 147369
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.392 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

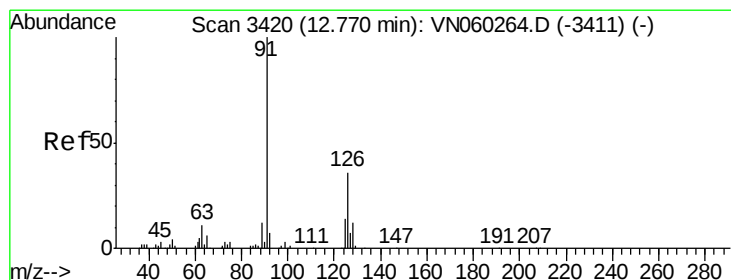
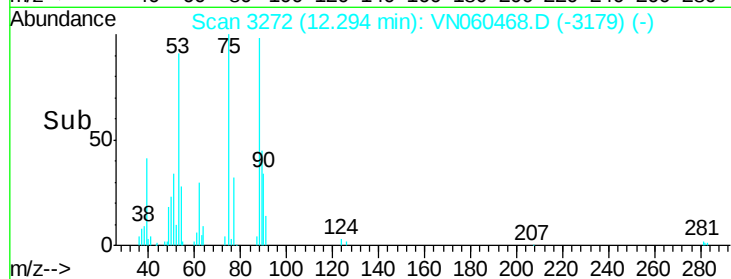
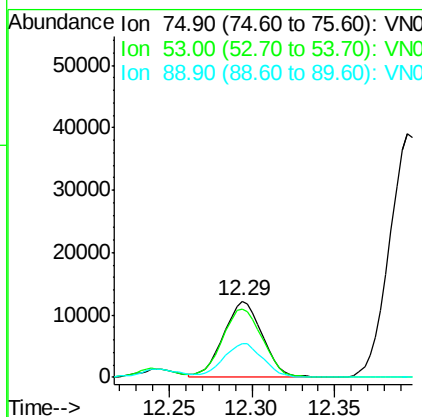
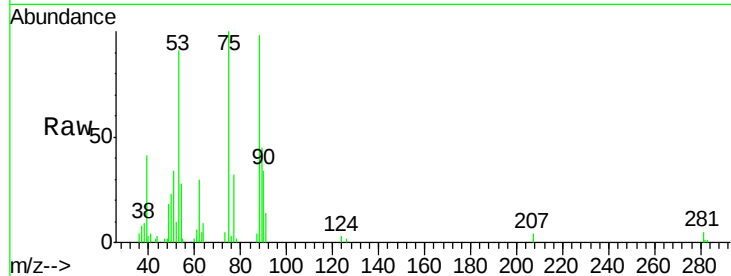
ClientSampleId :

VN0312WBSD01

Tot Ion:	75	Resp:	20048
Ion	Ratio	Lower	Upper
75	100		
53	92.0	73.8	110.6
89	44.8	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 17.750 ug/l

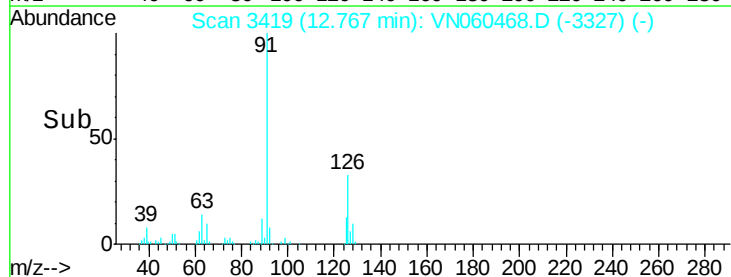
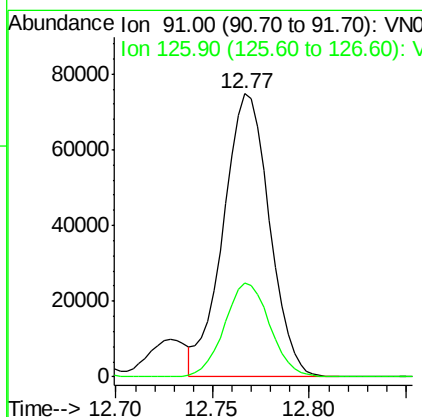
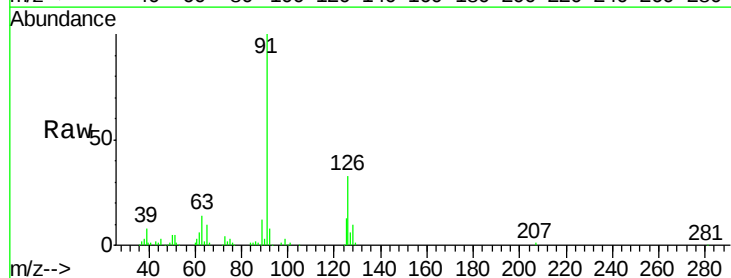
RT: 12.77 min Scan# 3419

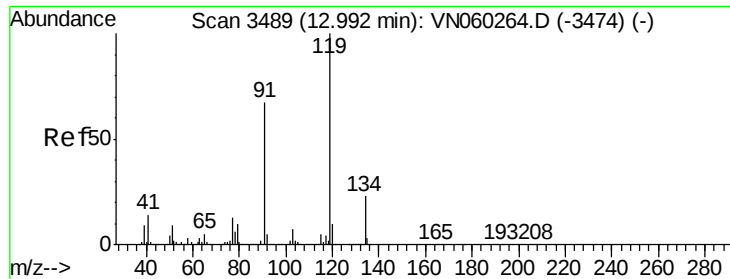
Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	91	Resp:	124233
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.7	50.1





#83

tert-Butylbenzene

Concen: 17.861 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

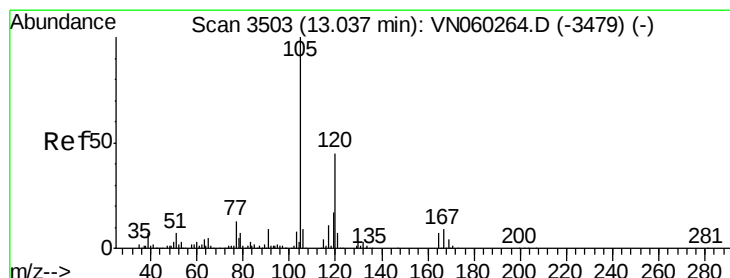
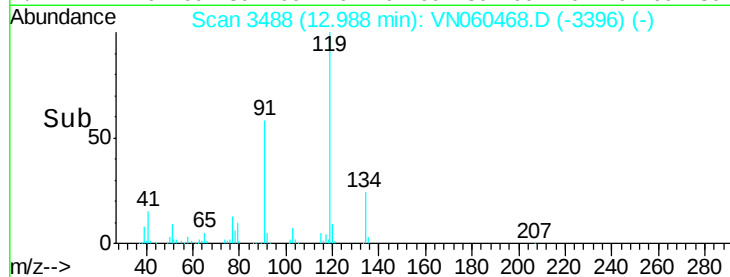
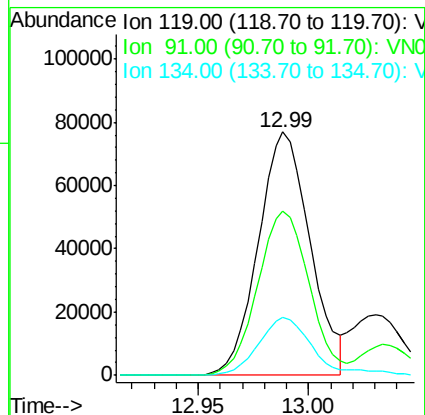
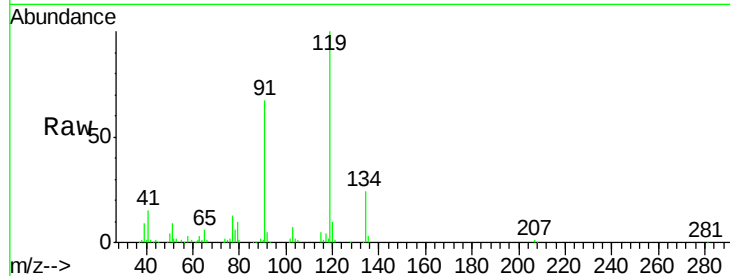
ClientSampleId :

VN0312WBSD01

Tot Ion:	119	Resp:	125530
Ion Ratio	Lower	Upper	
119	100		
91	67.2	33.1	99.2
134	24.9	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 18.143 ug/l

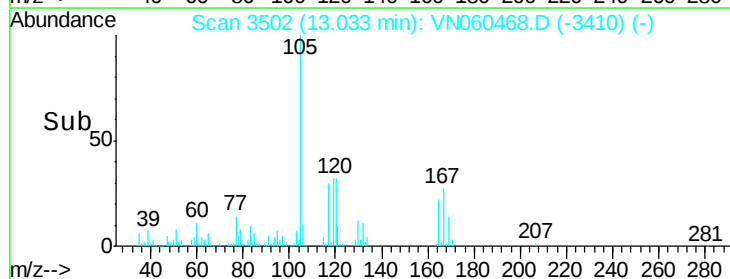
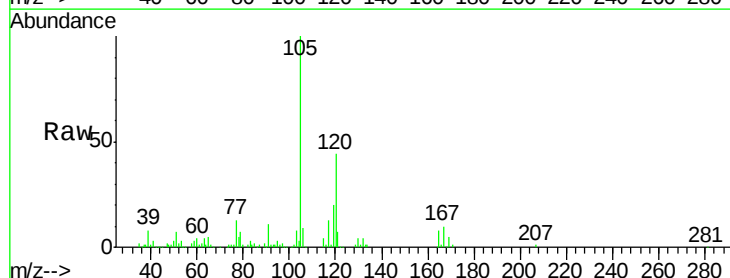
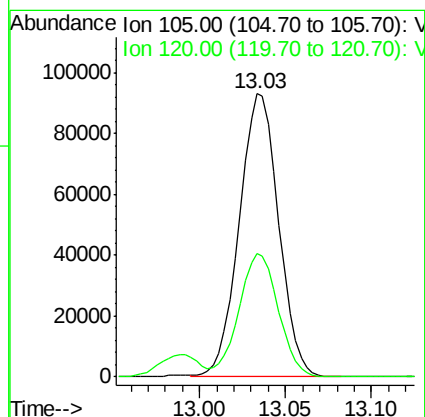
RT: 13.03 min Scan# 3502

Delta R.T. -0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	105	Resp:	148651
Ion Ratio	Lower	Upper	
105	100		
120	43.6	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.817 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

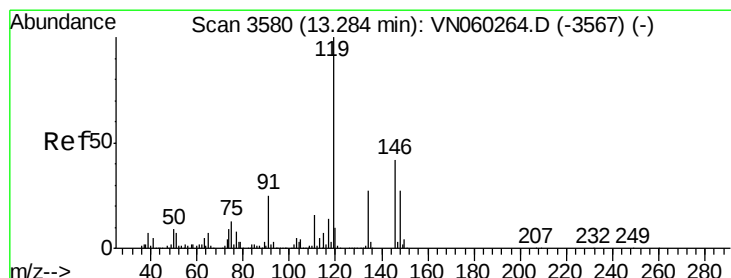
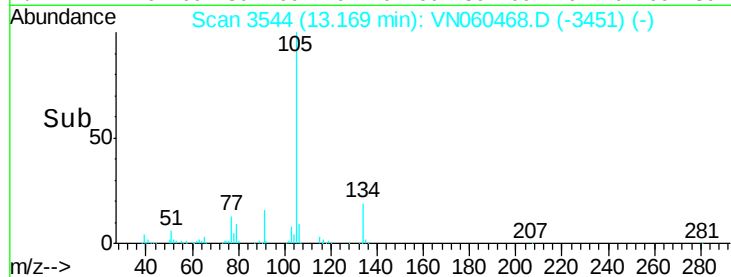
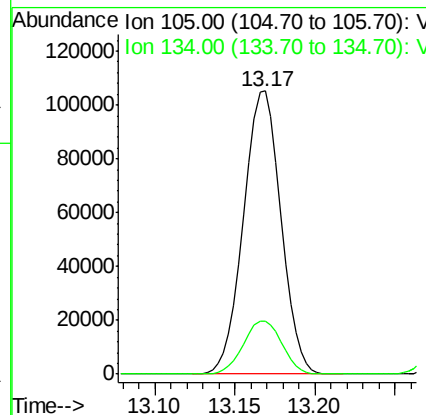
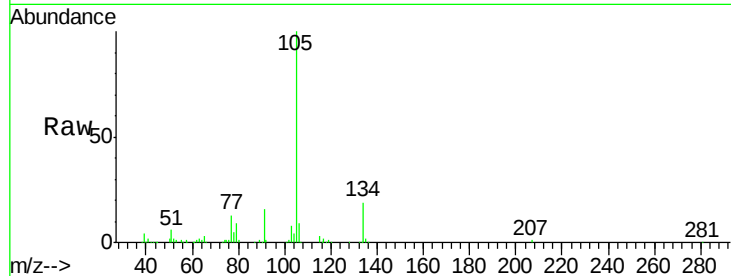
ClientSampleId :

VN0312WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	167681		
134	19.4	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 17.340 ug/l

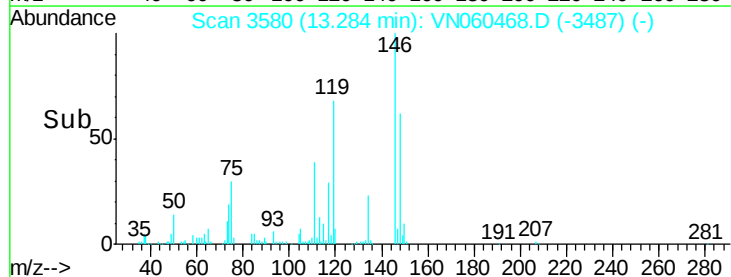
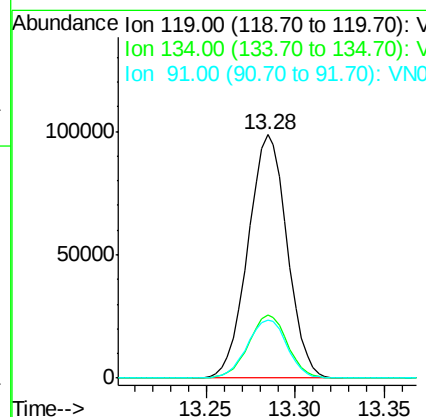
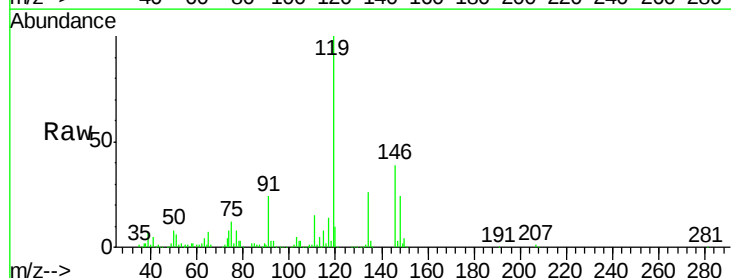
RT: 13.28 min Scan# 3580

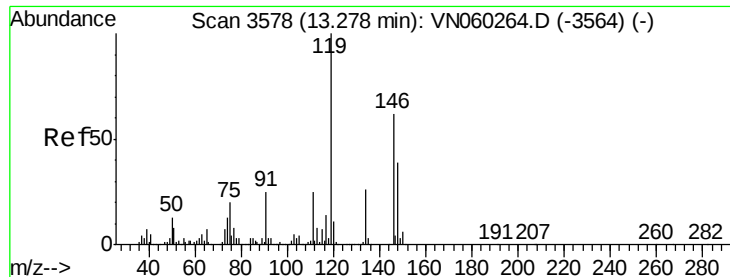
Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	151041		
134	25.8	13.2	39.6	
91	24.3	12.2	36.6	





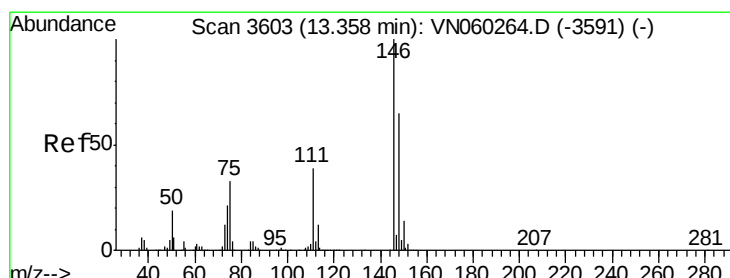
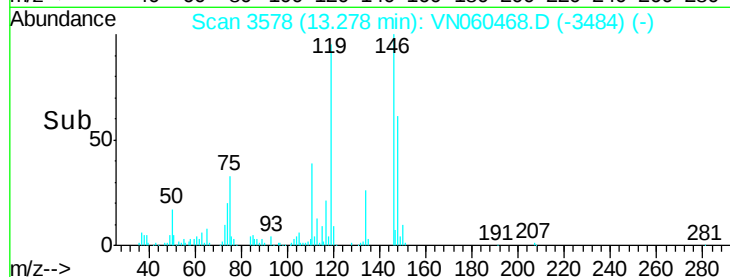
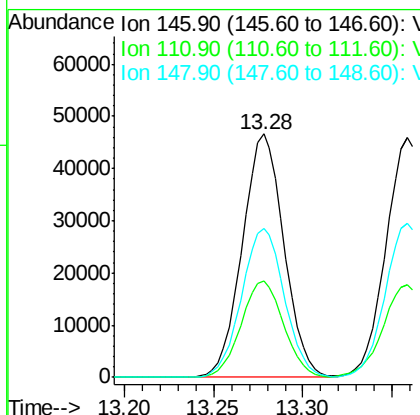
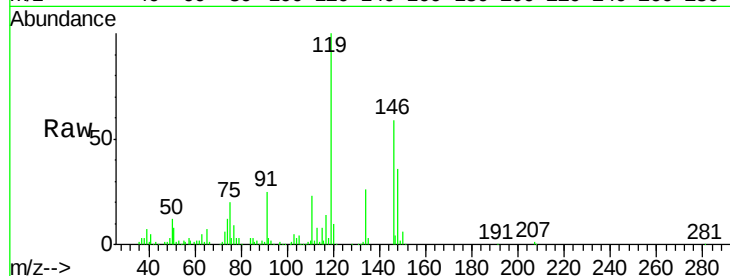
#87
 1,3-Dichlorobenzene
 Concen: 18.596 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	62.7	32.1	96.3

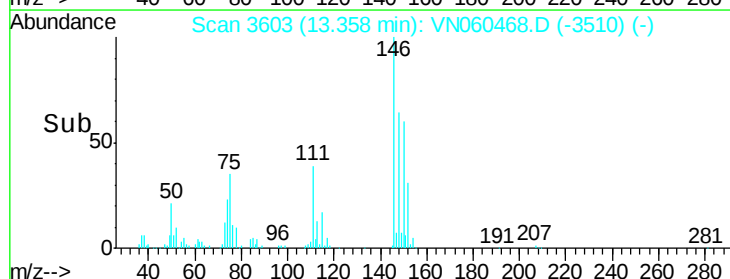
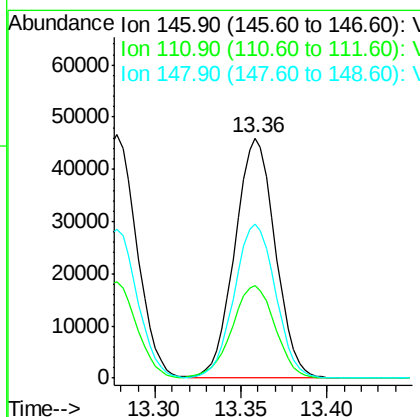
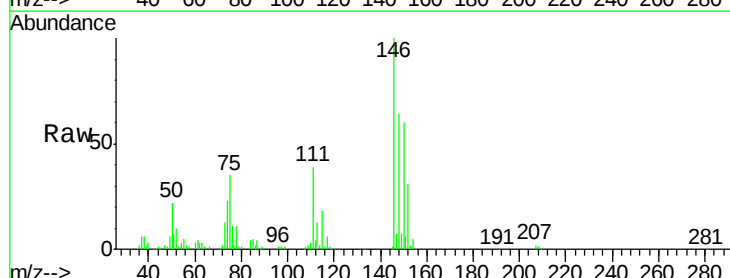
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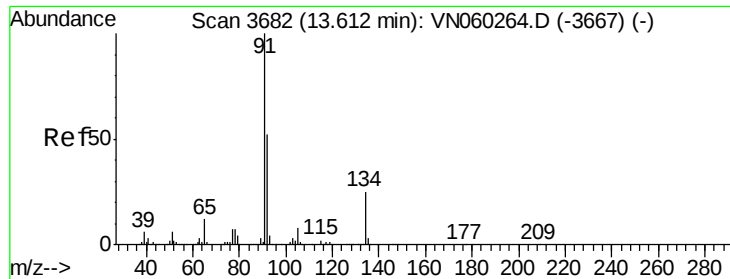
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#88
 1,4-Dichlorobenzene
 Concen: 18.373 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.4
148	65.4	32.3	96.9





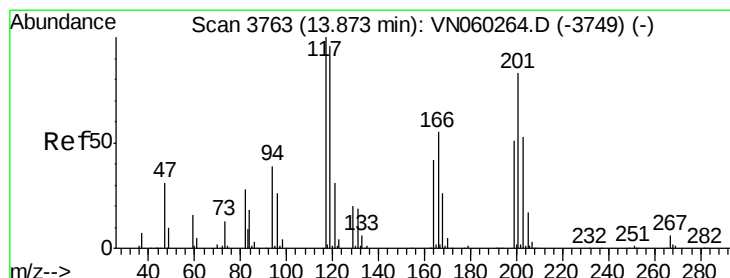
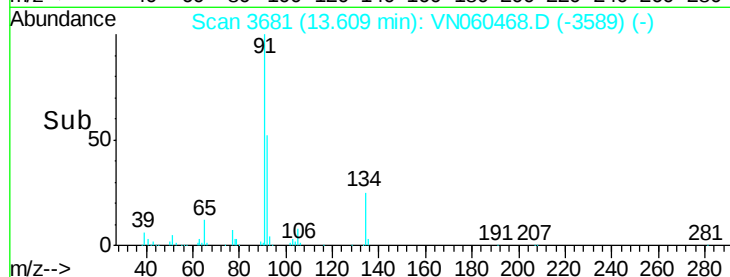
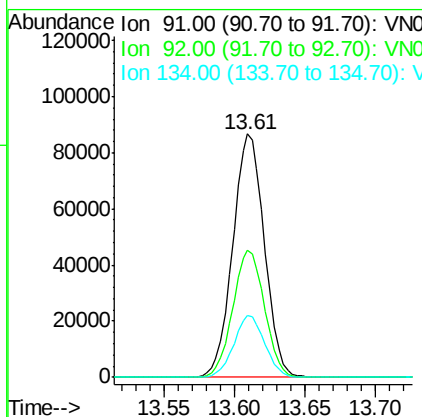
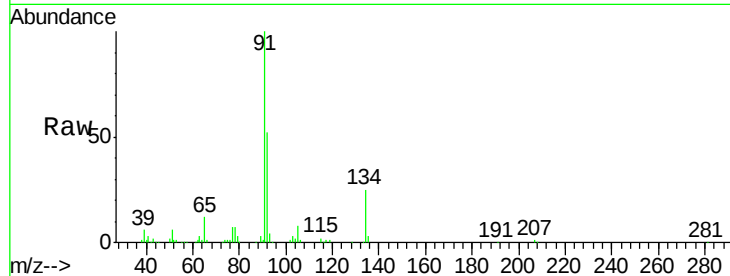
#89
n-Butylbenzene
Concen: 16.974 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :
VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	24.8	12.7	38.1

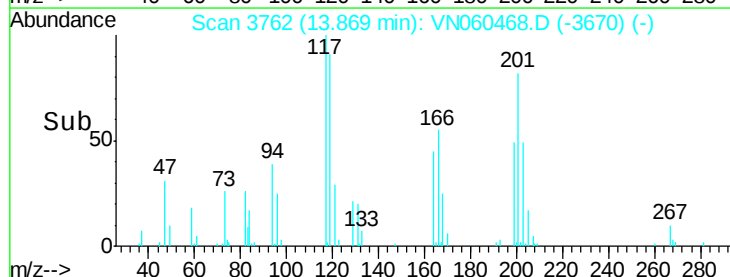
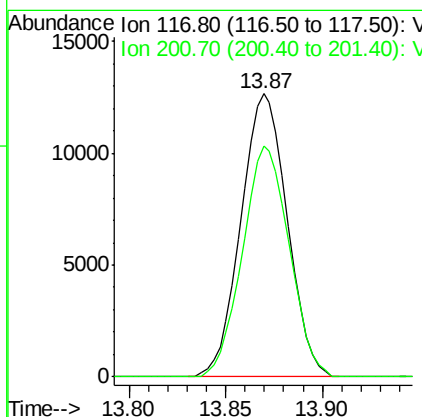
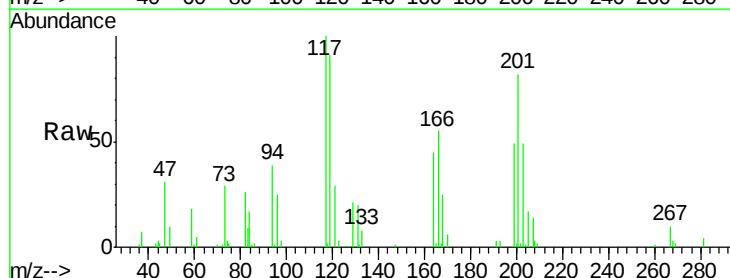
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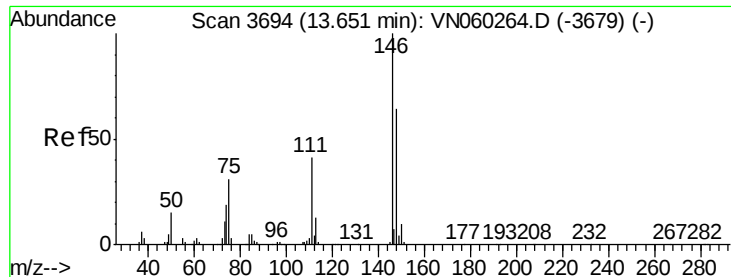
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#90
Hexachloroethane
Concen: 16.718 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060468.D
Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.0	123.0





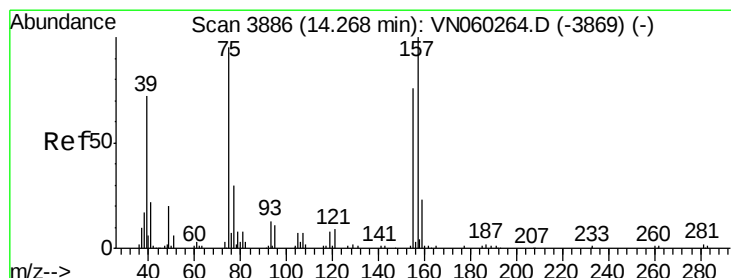
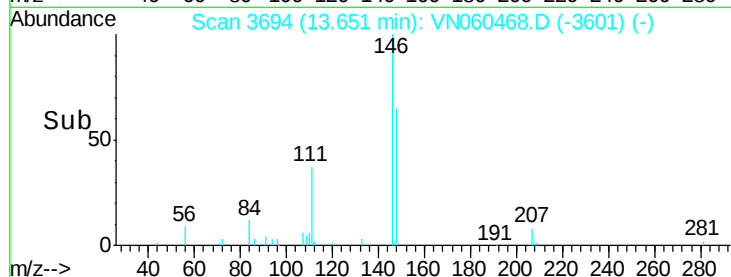
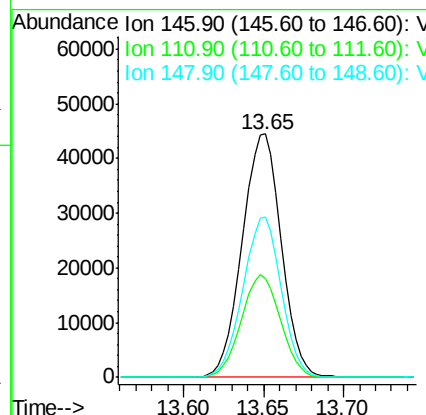
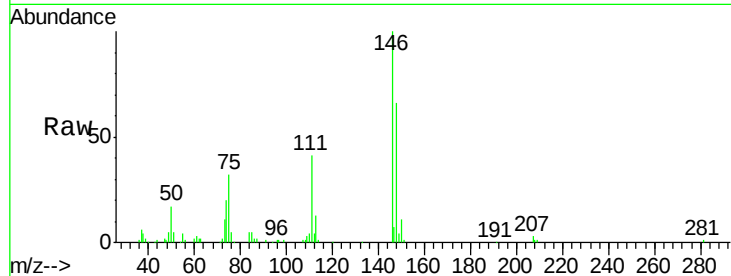
#91
 1,2-Dichlorobenzene
 Concen: 17.921 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	64.5	31.8	95.3

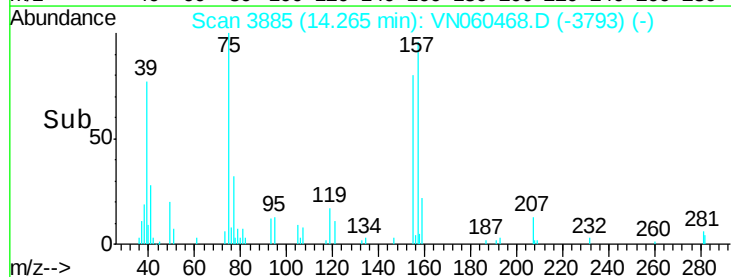
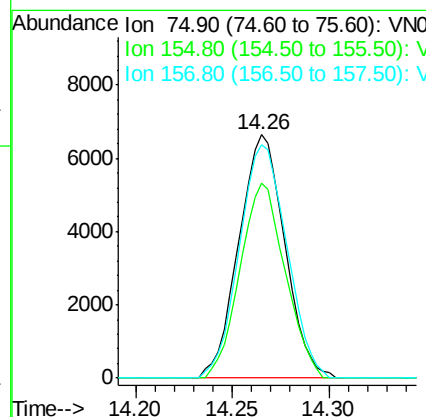
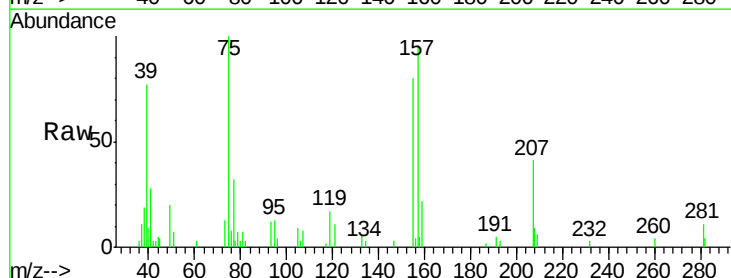
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.513 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.5	40.4	121.2
157	99.0	52.5	157.5





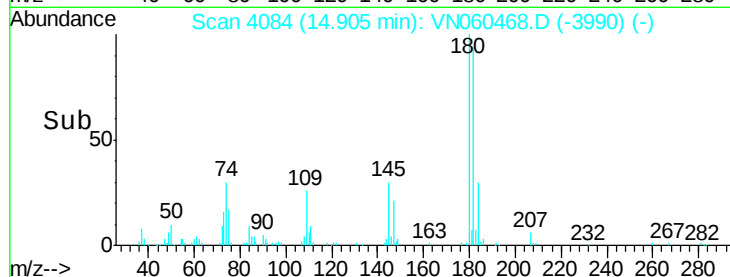
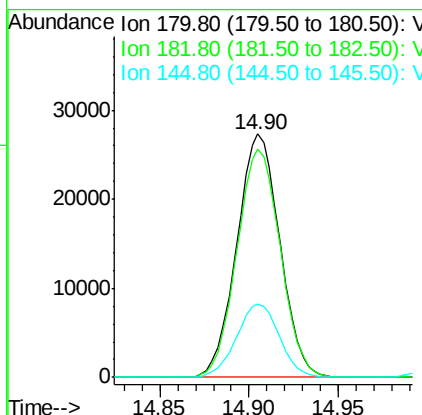
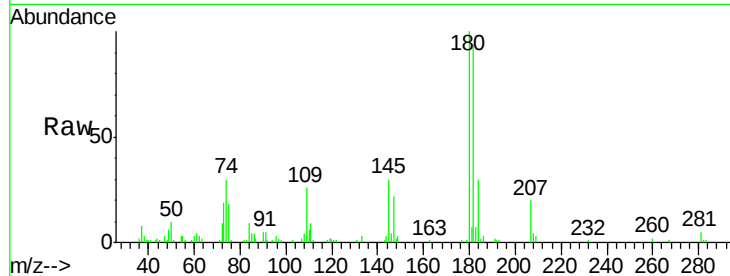
#93
 1,2,4-Trichlorobenzene
 Concen: 17.551 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Instrument :
 MSVOA_N
 ClientSampled :
 VN0312WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46030		
182	94.6		47.8	143.3
145	30.0		15.4	46.1

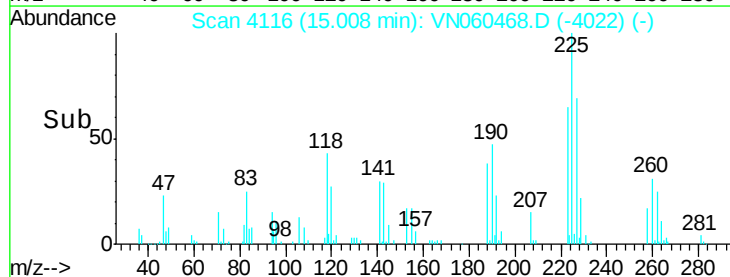
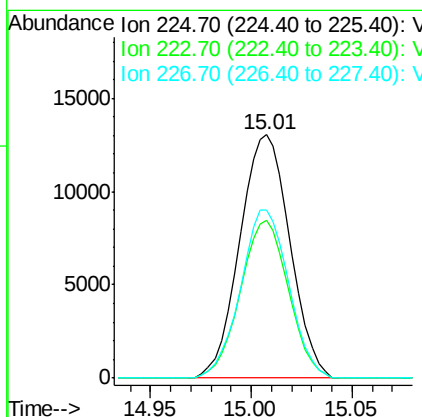
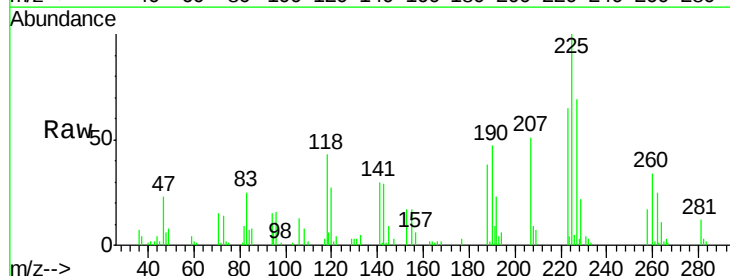
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 18.368 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060468.D
 Acq: 12 Mar 2020 11:01

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22655		
223	62.3		31.3	93.9
227	66.3		32.3	96.9





#95

Naphthalene

Concen: 17.043 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Instrument :

MSVOA_N

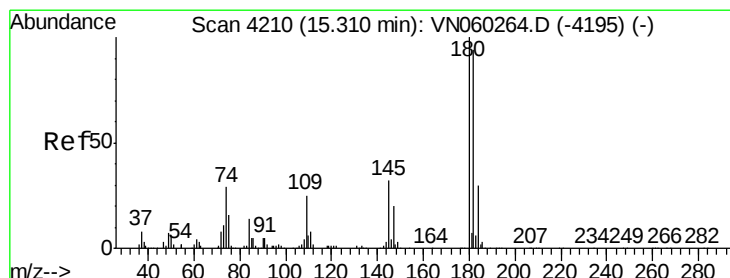
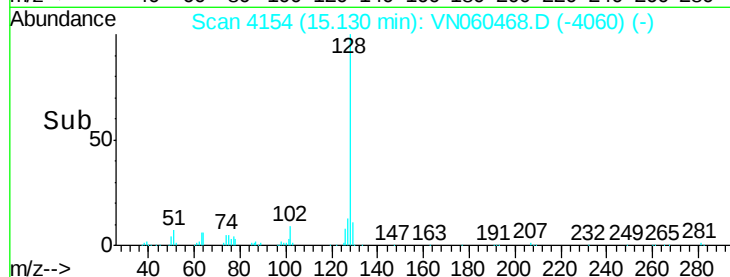
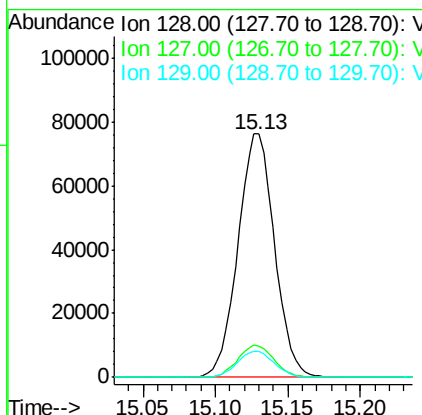
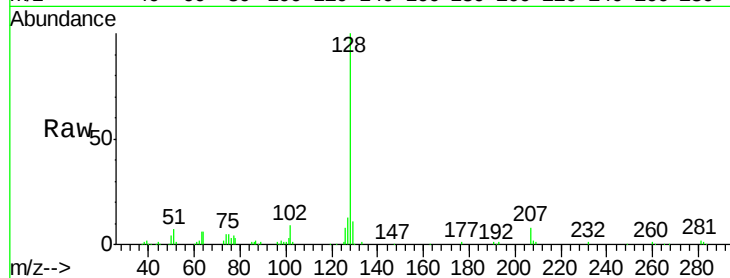
ClientSampleId :

VN0312WBSD01

Tot Ion:	128	Resp:	133476
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 11:49:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.789 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060468.D

Acq: 12 Mar 2020 11:01

Tgt Ion:	180	Resp:	44374
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.3	142.0
145	32.0	16.2	48.5

