

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060183.D
 Acq On : 21 Feb 2020 12:30
 Operator : JC/MD
 Sample : VN0221MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:11 AM

Quant Time: Feb 21 22:52:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	176044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	276567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122588	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108300	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	7.56	113	85756	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.08	98	325388	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	12.40	95	117862	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31776	18.058	ug/l	99
3) Chloromethane	2.04	50	36394	17.380	ug/l	96
4) Vinyl Chloride	2.17	62	41164	17.246	ug/l	100
5) Bromomethane	2.55	94	26026	17.782	ug/l	98
6) Chloroethane	2.69	64	21377	17.707	ug/l	95
7) Trichlorofluoromethane	3.00	101	55272	17.961	ug/l	100
8) Diethyl Ether	3.38	74	20512	20.023	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31323	18.333	ug/l	98
10) Methyl Iodide	3.93	142	41709	19.750	ug/l	98
11) Tert butyl alcohol	4.72	59	29551	92.185	ug/l	98
12) 1,1-Dichloroethene	3.72	96	30078	18.071	ug/l	97
13) Acrolein	3.58	56	26000	82.056	ug/l	96
14) Allyl chloride	4.29	41	44392	18.121	ug/l	98
15) Acrylonitrile	4.94	53	78085	99.744	ug/l	99
16) Acetone	3.78	43	75212	80.493	ug/l	97
17) Carbon Disulfide	4.03	76	84956	16.934	ug/l	99
18) Methyl Acetate	4.29	43	36968	21.061	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	109021	19.477	ug/l	99
20) Methylene Chloride	4.52	84	35094	18.825	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	32220	17.758	ug/l	99
22) Diisopropyl ether	5.91	45	105393	19.630	ug/l	96
23) Vinyl Acetate	5.86	43	436890	96.900	ug/l	99
24) 1,1-Dichloroethane	5.82	63	60965	18.744	ug/l	98
25) 2-Butanone	6.80	43	105639	89.893	ug/l	98
26) 2,2-Dichloropropane	6.80	77	55721	18.037	ug/l	79
27) cis-1,2-Dichloroethene	6.80	96	39303	18.510	ug/l	100
28) Bromochloromethane	7.17	49	23474	18.358	ug/l	99
29) Tetrahydrofuran	7.18	42	69496	96.396	ug/l	99
30) Chloroform	7.35	83	65033	19.088	ug/l	97
31) Cyclohexane	7.63	56	56226	18.558	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	56476	18.140	ug/l	98
36) 1,1-Dichloropropene	7.77	75	47232	18.438	ug/l	99
37) Ethyl Acetate	6.89	43	44151	19.070	ug/l	98
38) Carbon Tetrachloride	7.75	117	50207	18.046	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56393	17.734	ug/l	97
40) Benzene	8.02	78	139919	18.413	ug/l	100
41) Methacrylonitrile	7.15	41	18110m	18.653	ug/l	
42) 1,2-Dichloroethane	8.10	62	51163	19.210	ug/l	97
43) Isopropyl Acetate	8.14	43	76800	19.406	ug/l	100
44) Trichloroethene	8.82	130	38957	18.515	ug/l	97
45) 1,2-Dichloropropane	9.10	63	36899	19.614	ug/l	99
46) Dibromomethane	9.19	93	25104	18.883	ug/l	98
47) Bromodichloromethane	9.39	83	51666	19.115	ug/l	98
48) Methyl methacrylate	9.18	41	32825	18.486	ug/l	99
49) 1,4-Dioxane	9.18	88	11756	387.495	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	222579	97.165	ug/l	99
52) Toluene	10.14	92	89401	18.347	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57808	18.948	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	60439	18.813	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	36667	19.288	ug/l	98
56) Ethyl methacrylate	10.42	69	50844	18.906	ug/l	99
57) 1,3-Dichloropropane	10.70	76	60014	19.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	126383	100.877	ug/l	99
59) 2-Hexanone	10.74	43	160493	90.699	ug/l	98
60) Dibromochloromethane	10.89	129	40237	18.444	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38077	19.107	ug/l	100
64) Tetrachloroethene	10.62	164	36822	18.871	ug/l	98
65) Chlorobenzene	11.43	112	96698	18.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	37675	19.044	ug/l	98
67) Ethyl Benzene	11.50	91	174555	18.507	ug/l	98
68) m/p-Xylenes	11.62	106	130867	36.969	ug/l	99
69) o-Xylene	11.94	106	62946	18.468	ug/l	99
70) Styrene	11.96	104	97876	17.808	ug/l	99
71) Bromoform	12.12	173	29549	18.570	ug/l #	97
73) Isopropylbenzene	12.24	105	168753	18.434	ug/l	100
74) N-amyl acetate	12.06	43	61324	18.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	51172	19.421	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	45332m	19.328	ug/l	
77) Bromobenzene	12.52	156	43380	19.095	ug/l	100
78) n-propylbenzene	12.59	91	189520	18.171	ug/l	99
79) 2-Chlorotoluene	12.67	91	112678	18.381	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	141293	18.564	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17635	18.410	ug/l	99
82) 4-Chlorotoluene	12.77	91	115970	18.439	ug/l	99
83) tert-Butylbenzene	12.99	119	122322	18.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	142352	18.947	ug/l	99
85) sec-Butylbenzene	13.17	105	163086	18.289	ug/l	98
86) p-Isopropyltoluene	13.28	119	148483	18.379	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75225	18.706	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	74929	18.636	ug/l	99
89) n-Butylbenzene	13.61	91	131187	18.461	ug/l	98
90) Hexachloroethane	13.87	117	27189	18.014	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	74301	18.880	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10550	18.342	ug/l	94

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MSVOA_N
ClientSampleId :
VN0221MBS01

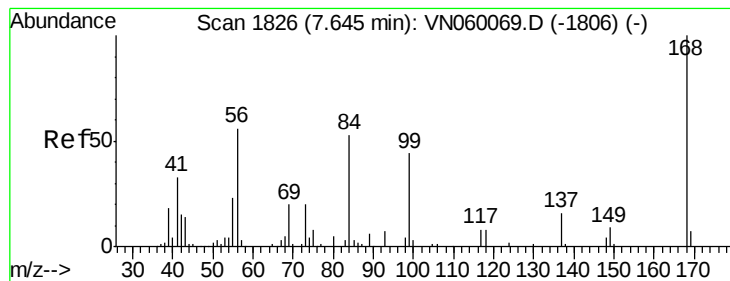
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	42065	18.191	ug/l	98
94) Hexachlorobutadiene	15.01	225	24369	18.001	ug/l	96
95) Naphthalene	15.13	128	114939	18.401	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	42893	18.627	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion:168 Resp: 176044

Ion Ratio Lower Upper

168 100

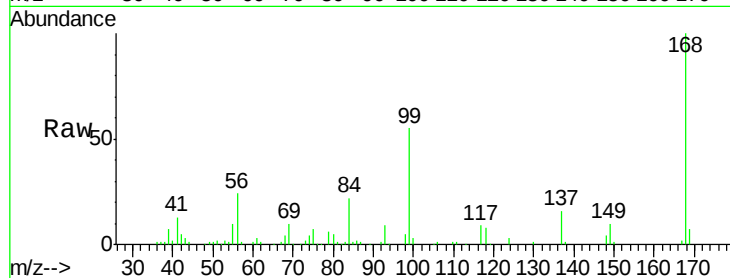
99 54.5 42.7 64.1

Manual Integrations

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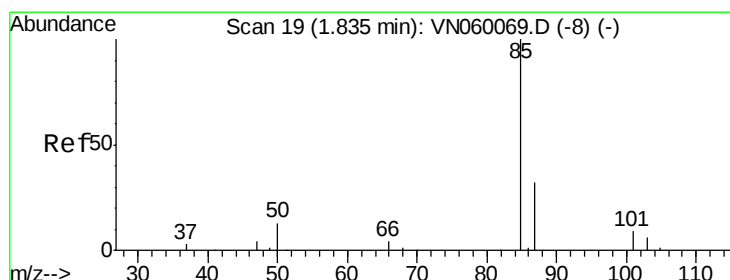
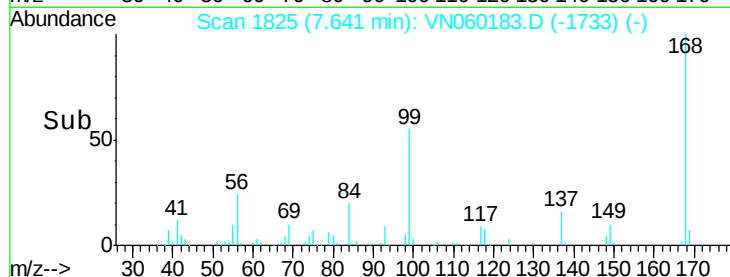
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.058 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060183.D

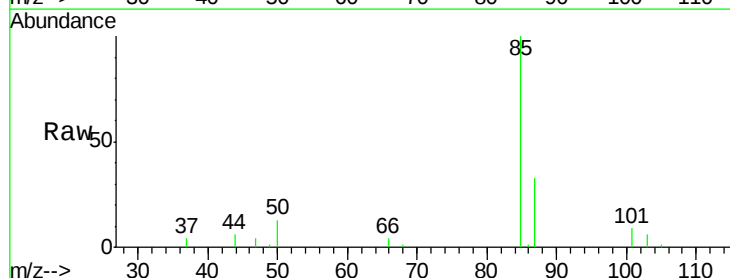
Acq: 21 Feb 2020 12:30

Tgt Ion: 85 Resp: 31776

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.2



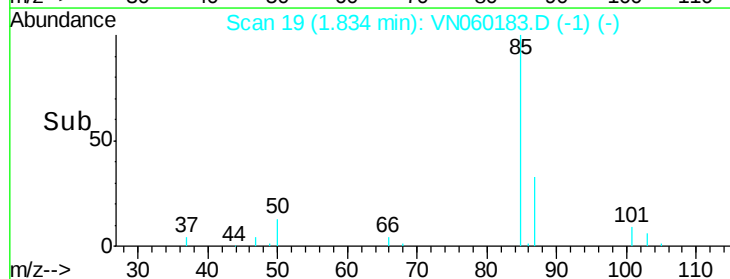
Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.380 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 50 Resp: 36394

Ion Ratio Lower Upper

50 100

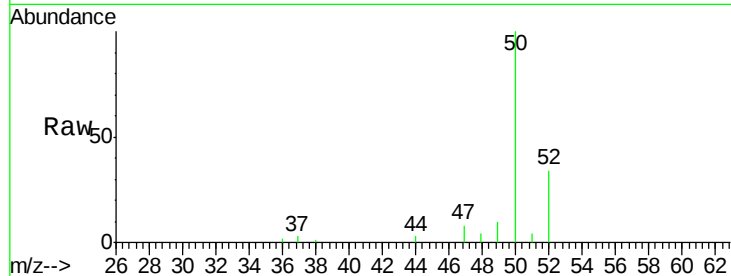
52 34.2 25.6 38.4

Manual Integrations

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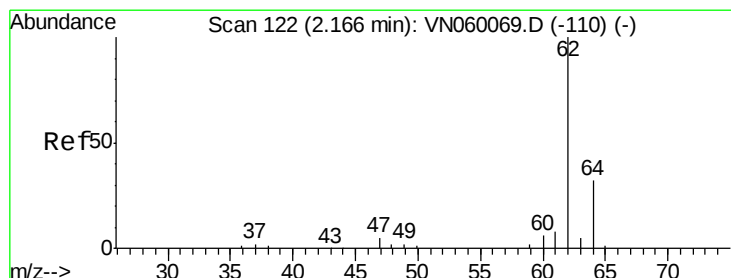
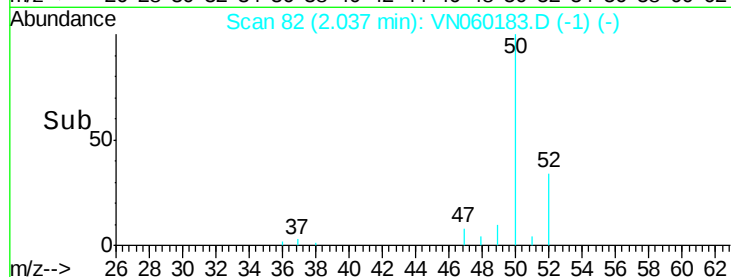
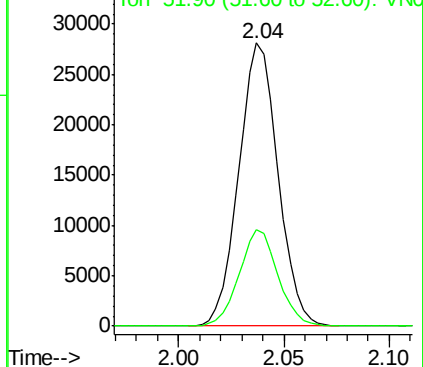
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 17.246 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060183.D

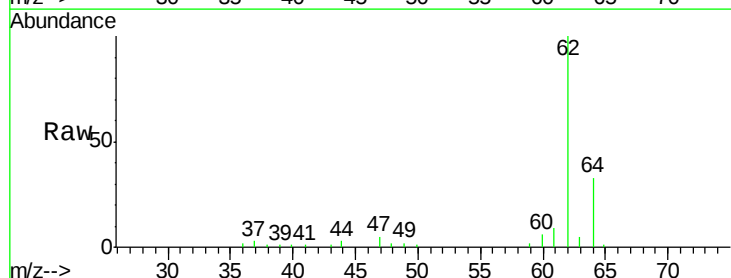
Acq: 21 Feb 2020 12:30

Tgt Ion: 62 Resp: 41164

Ion Ratio Lower Upper

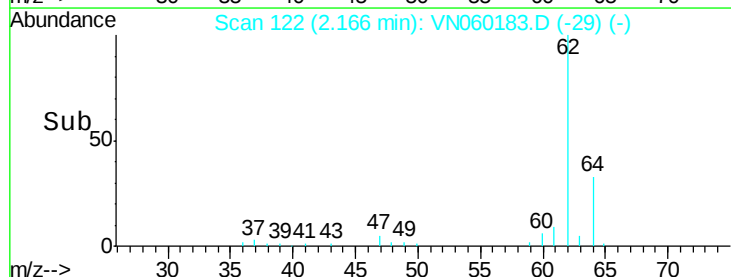
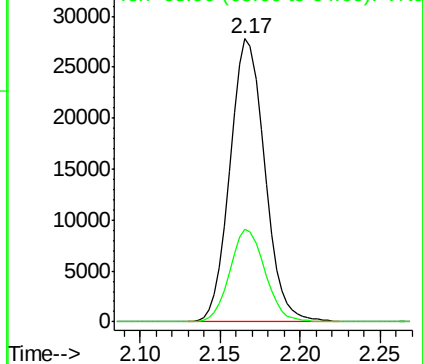
62 100

64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





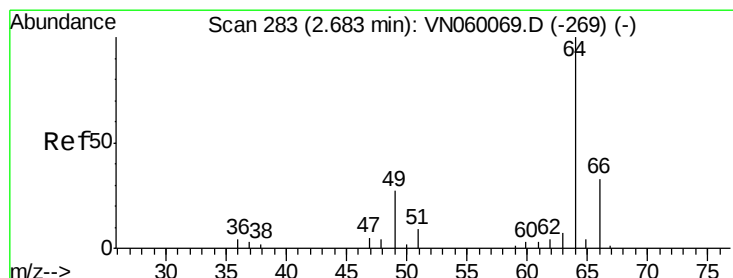
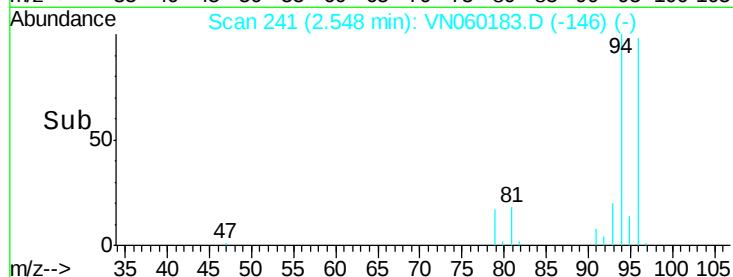
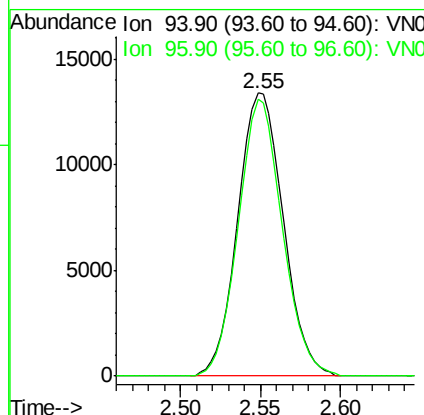
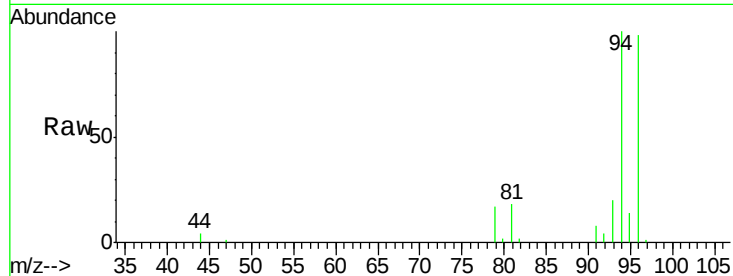
#5
Bromomethane
Concen: 17.782 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 94 Resp: 26026
Ion Ratio Lower Upper
94 100
96 97.7 76.7 115.1

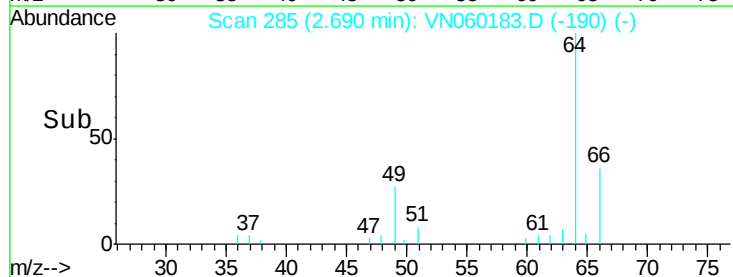
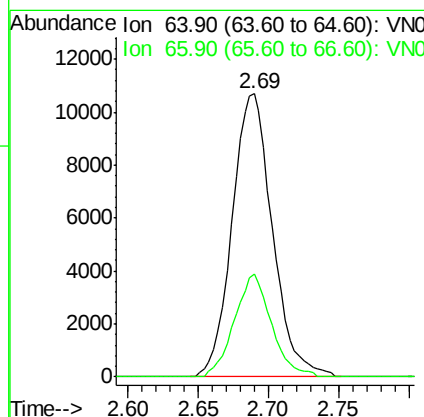
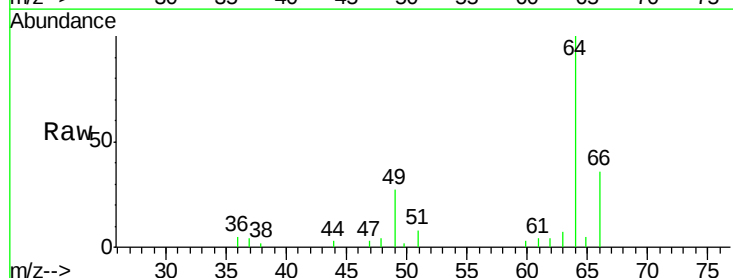
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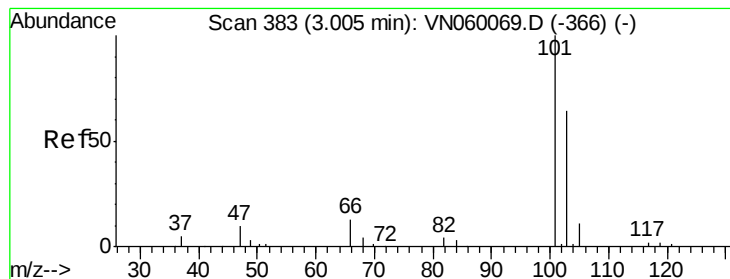
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#6
Chloroethane
Concen: 17.707 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.01 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 64 Resp: 21377
Ion Ratio Lower Upper
64 100
66 36.2 26.6 40.0





#7

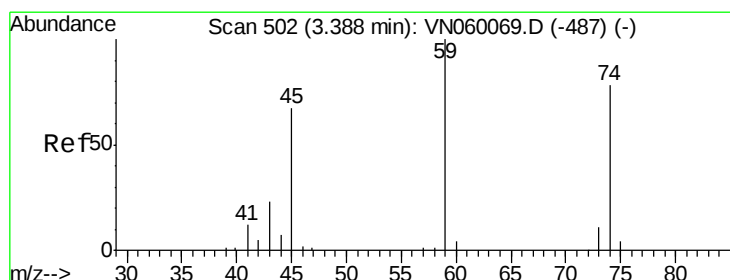
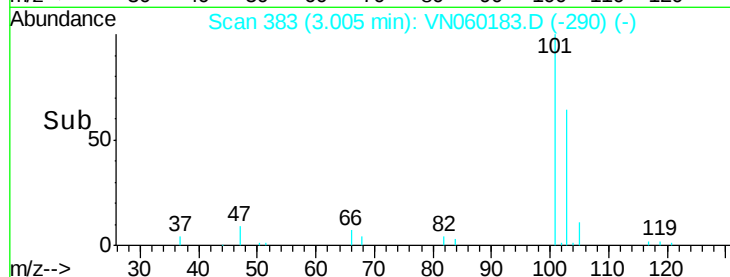
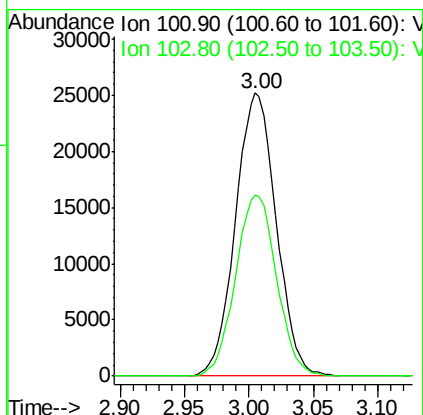
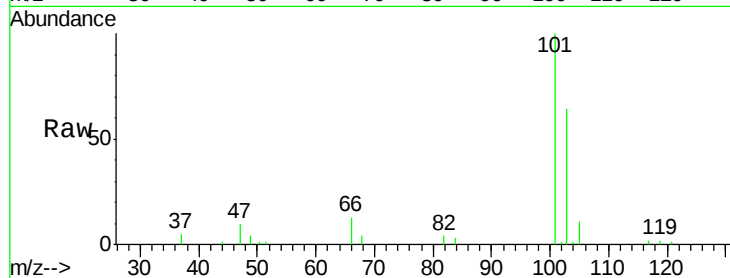
Trichlorofluoromethane
Concen: 17.961 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		55272		
103	64.0	51.0	76.6		

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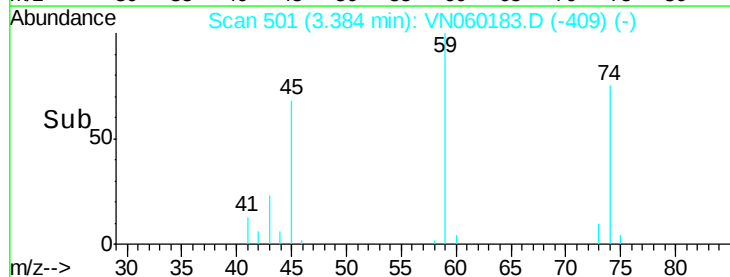
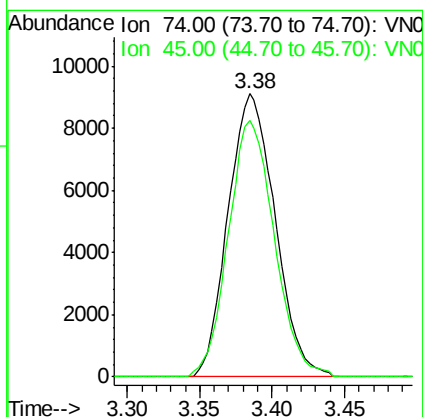
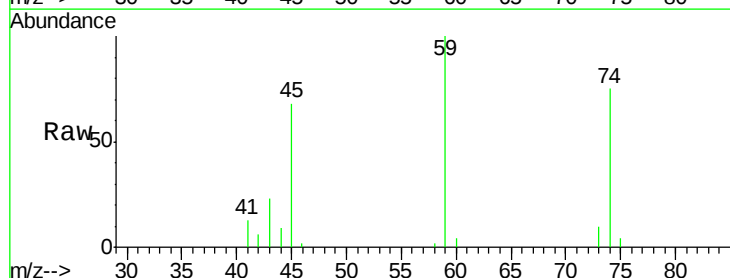
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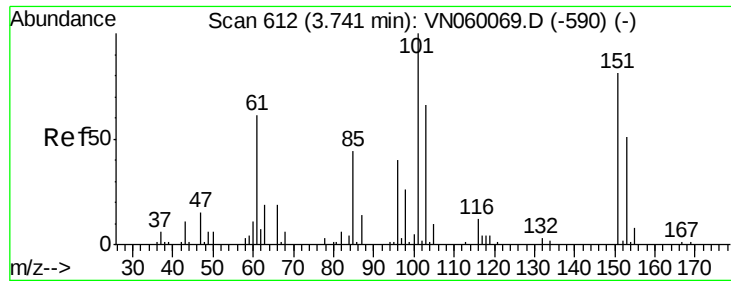


#8

Diethyl Ether
Concen: 20.023 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		20512		
45	88.6	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.333 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

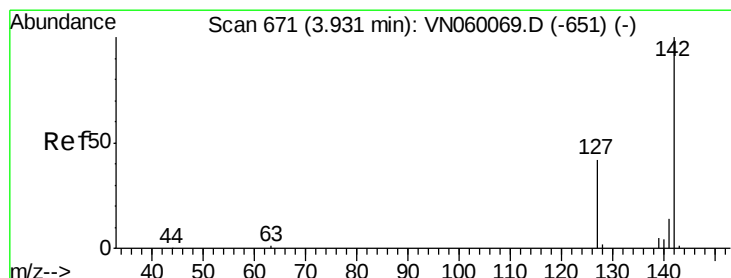
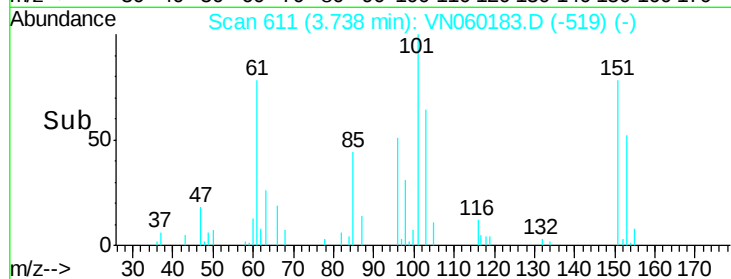
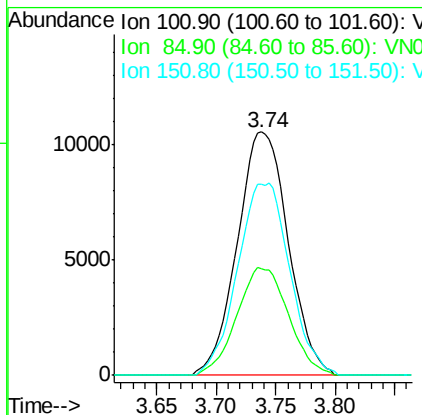
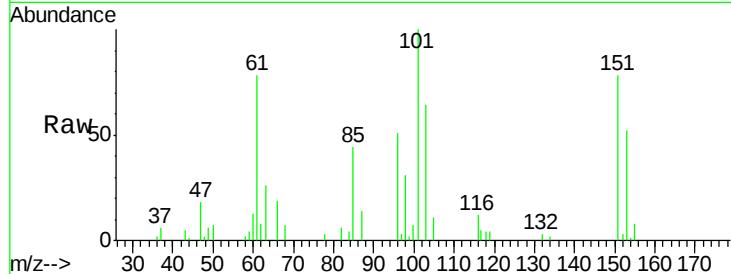
ClientSampled :

VN0221MBS01

Tot Ion:	101	Resp:	31323
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.1	52.7
151	80.8	65.8	98.6

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#10

Methyl Iodide

Concen: 19.750 ug/l

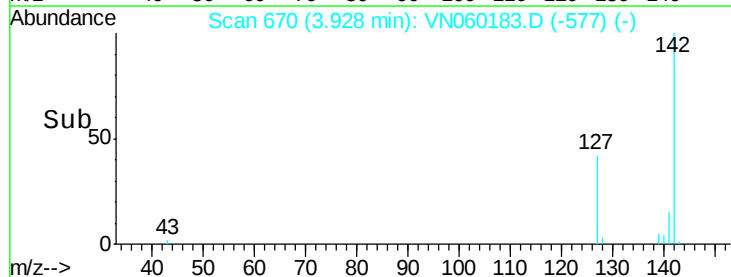
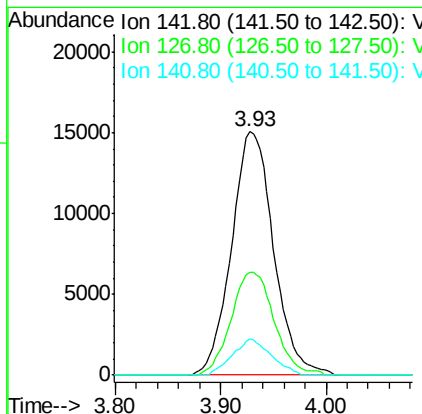
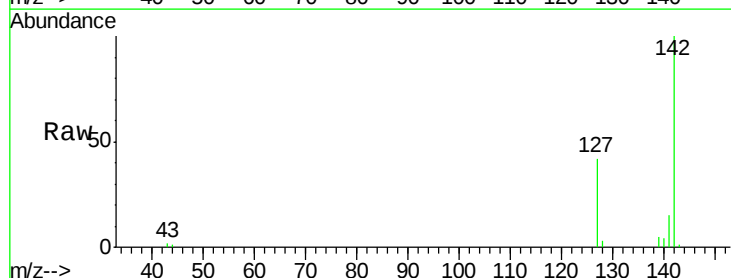
RT: 3.93 min Scan# 670

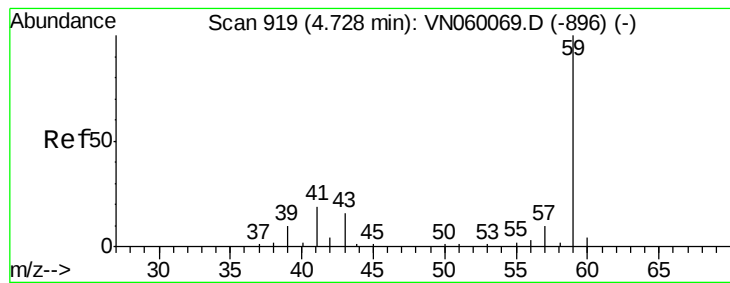
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	142	Resp:	41709
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.6	50.4
141	13.6	11.4	17.2





#11

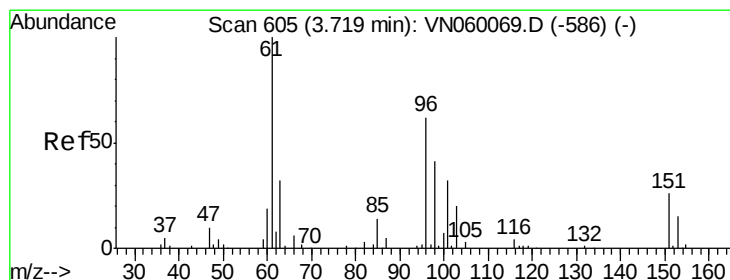
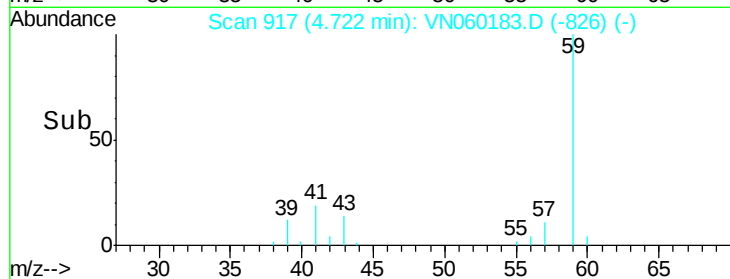
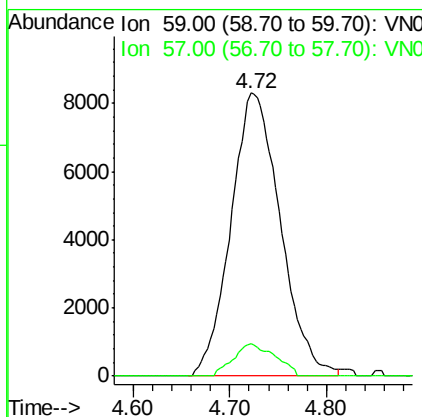
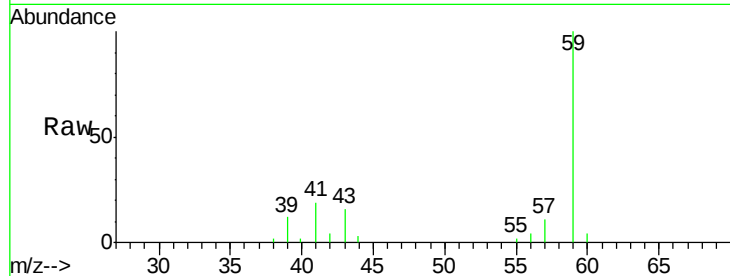
Tert butyl alcohol
 Concen: 92.185 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29551		
57	9.6		8.2	12.4

Manual Integrations
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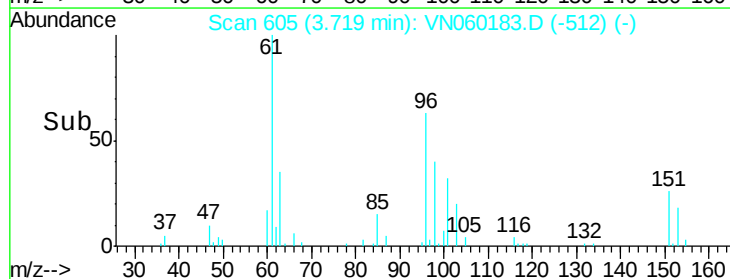
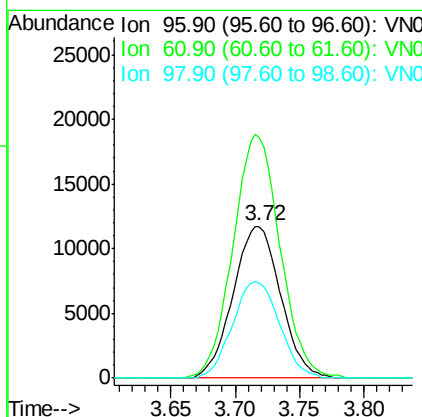
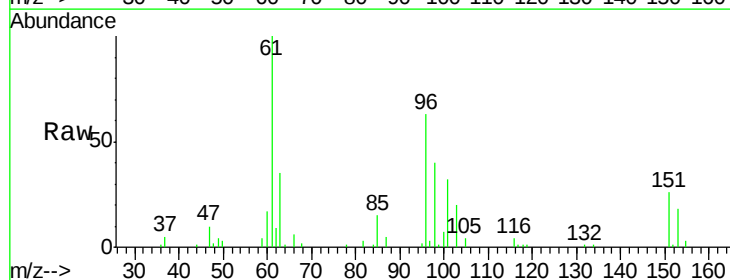
MMDadoda
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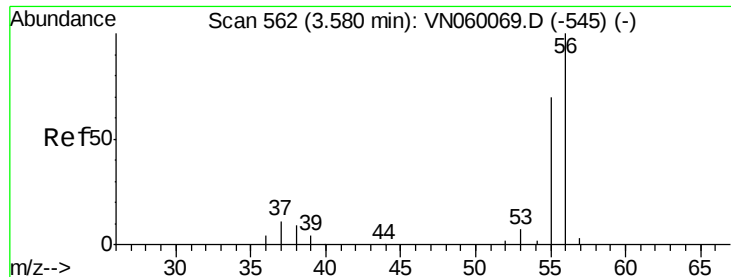


#12

1,1-Dichloroethene
 Concen: 18.071 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	30078		
61	157.3		128.3	192.5
98	62.8		52.2	78.4





#13

Acrolein

Concen: 82.056 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 56 Resp: 26000

Ion Ratio Lower Upper

56 100

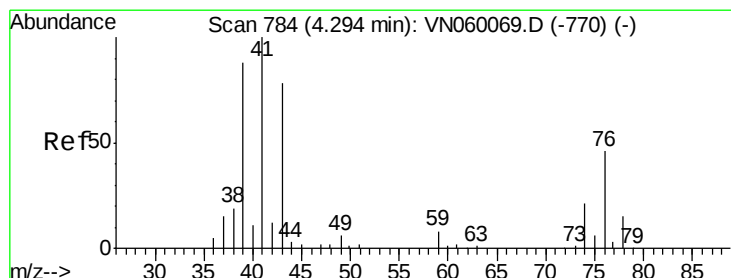
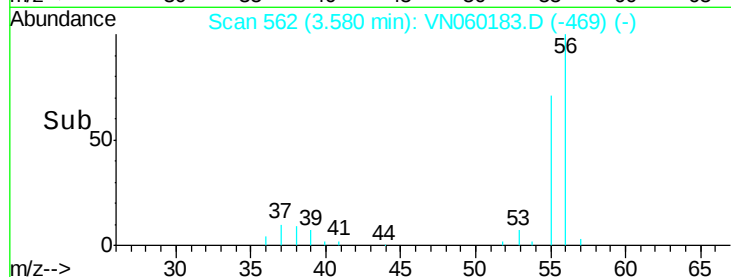
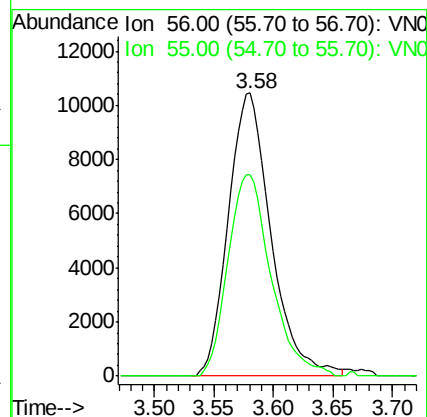
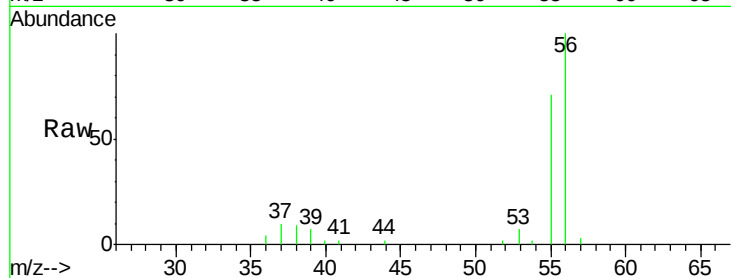
55 71.8 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 18.121 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

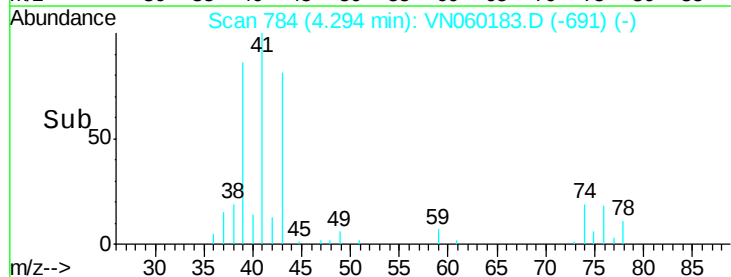
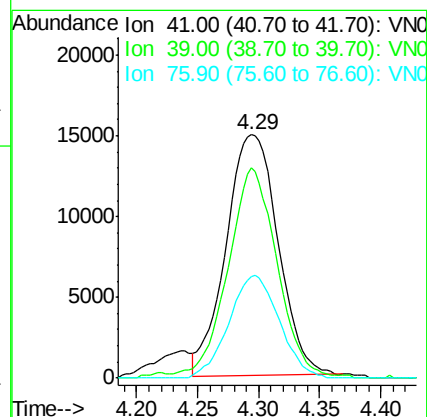
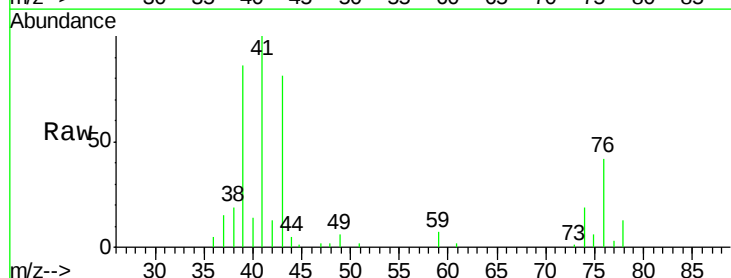
Tgt Ion: 41 Resp: 44392

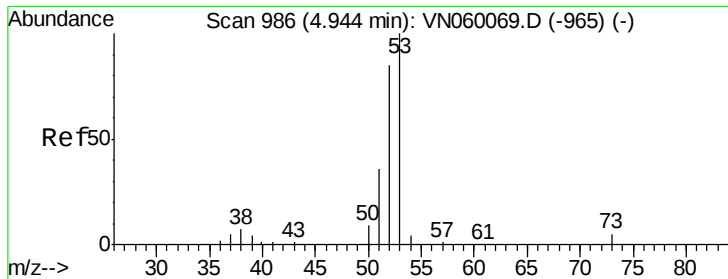
Ion Ratio Lower Upper

41 100

39 82.5 67.8 101.8

76 41.0 33.9 50.9





#15

Acrylonitrile

Concen: 99.744 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

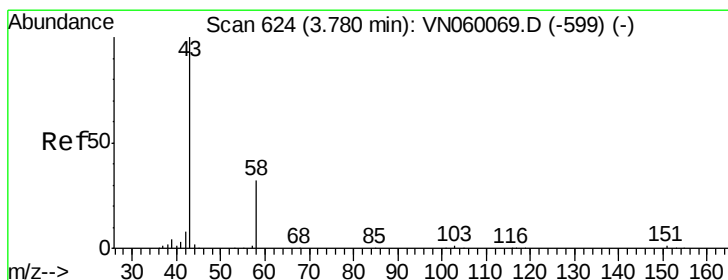
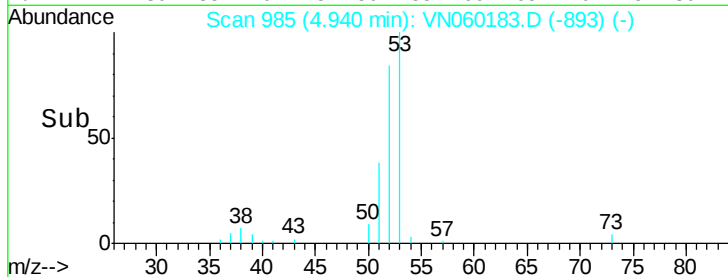
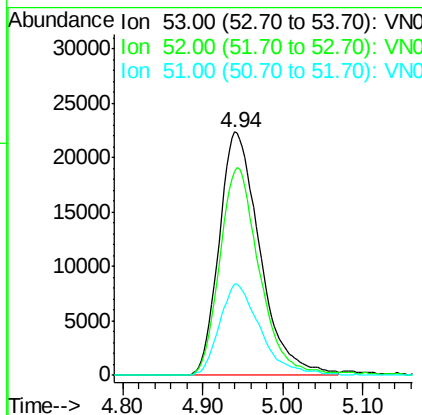
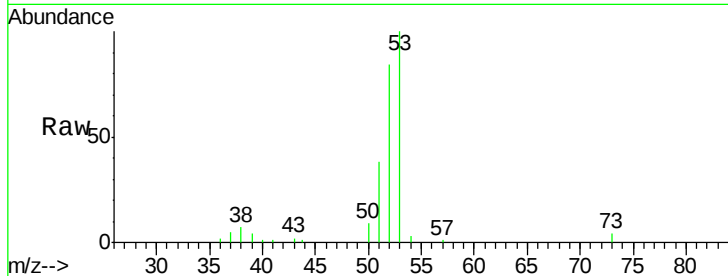
ClientSampleId :

VN0221MBS01

Tot Ion:	53	Resp:	78085
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.9	29.4	44.0

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#16

Acetone

Concen: 80.493 ug/l

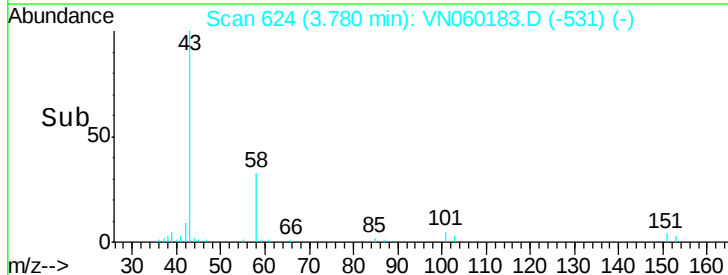
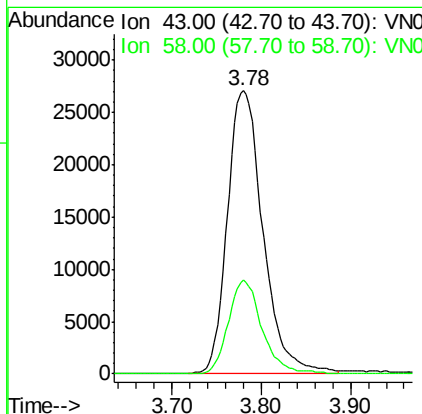
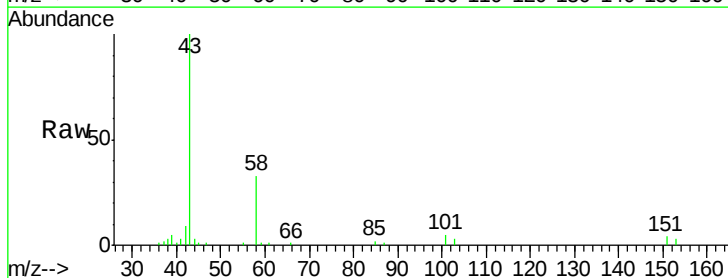
RT: 3.78 min Scan# 624

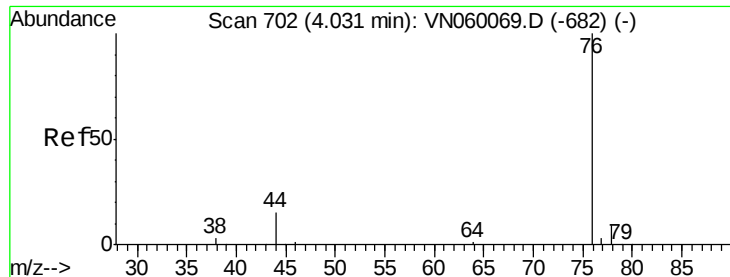
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	43	Resp:	75212
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.2	37.8





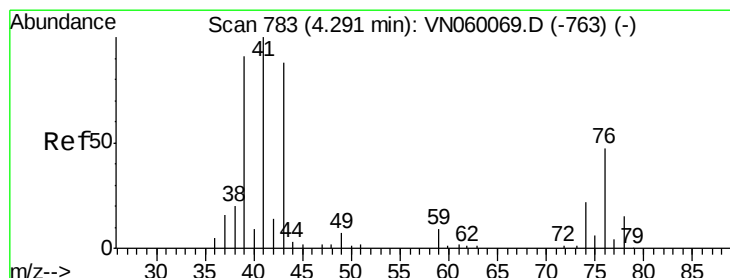
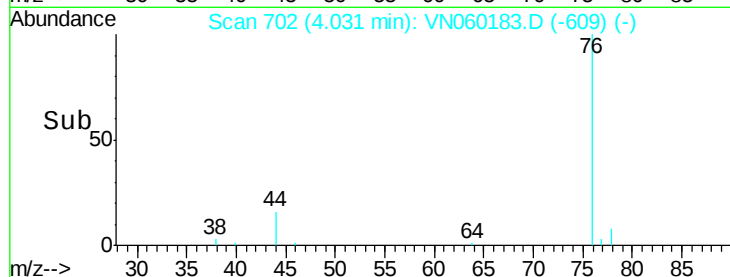
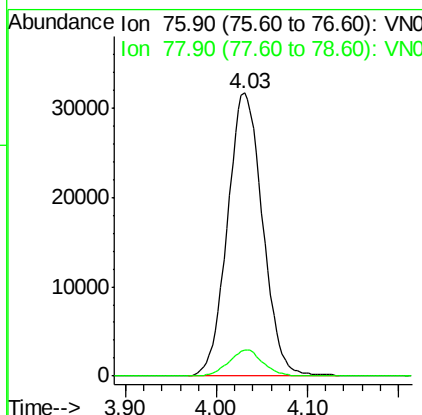
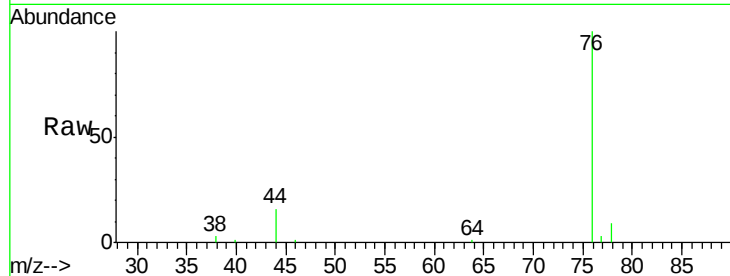
#17
Carbon Disulfide
Concen: 16.934 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

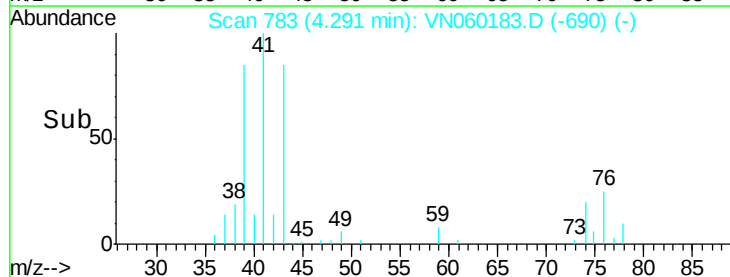
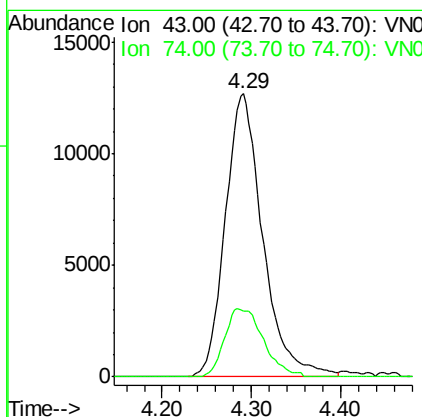
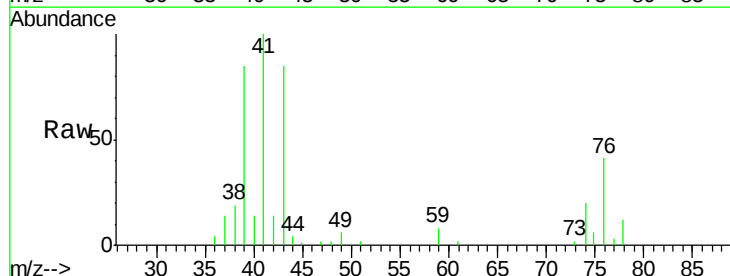
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#18
Methyl Acetate
Concen: 21.061 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	20.3	30.5





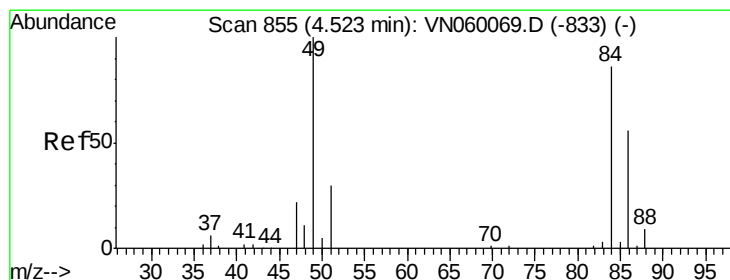
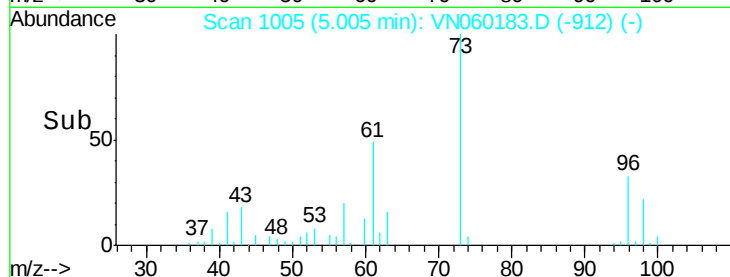
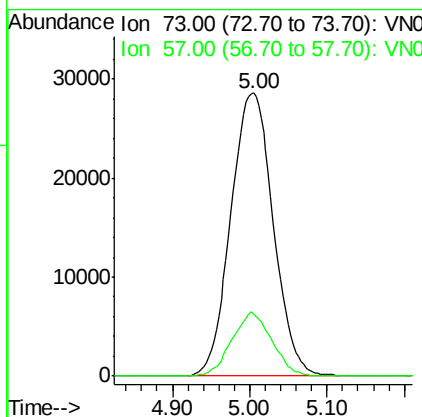
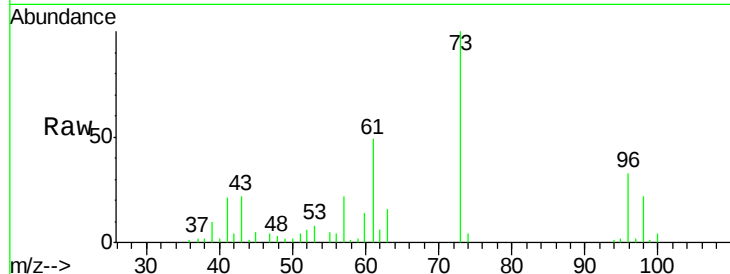
#19
Methvl tert-butvl Ether
Concen: 19.477 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion: 73 Resp: 109021
Ion Ratio Lower Upper
73 100
57 22.1 17.2 25.8

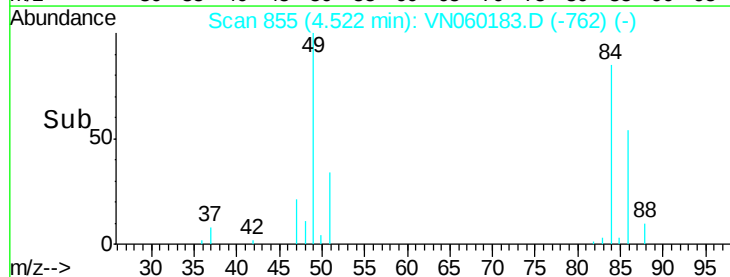
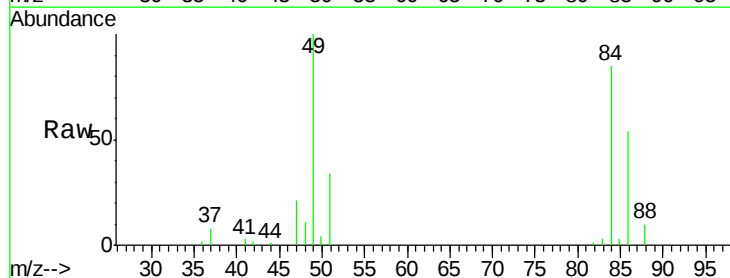
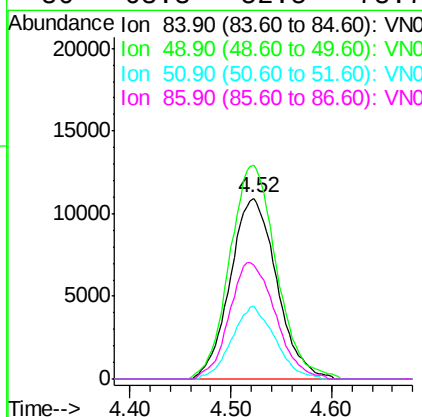
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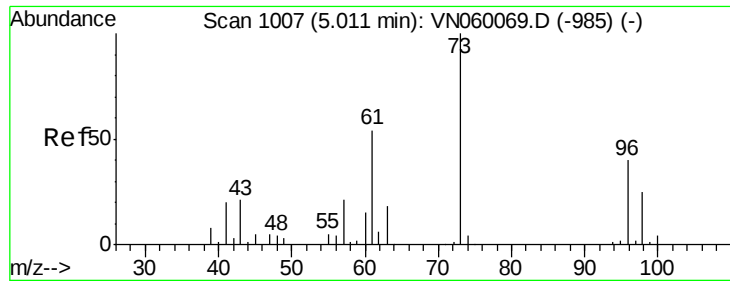
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#20
Methylene Chloride
Concen: 18.825 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 84 Resp: 35094
Ion Ratio Lower Upper
84 100
49 118.1 93.4 140.0
51 40.7 28.4 42.6
86 63.3 52.5 78.7





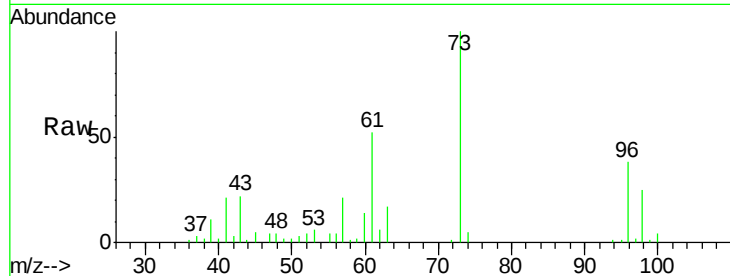
#21
trans-1,2-Dichloroethene
Concen: 17.758 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

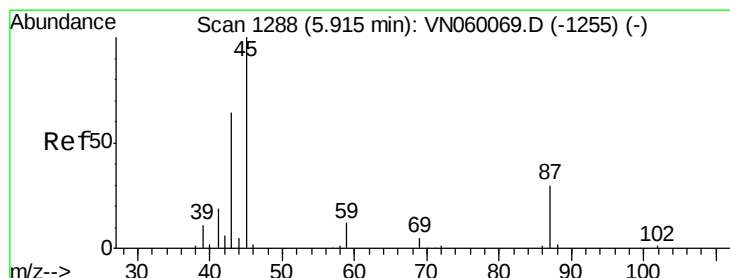
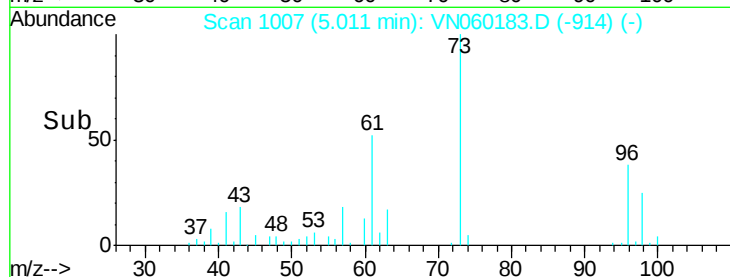
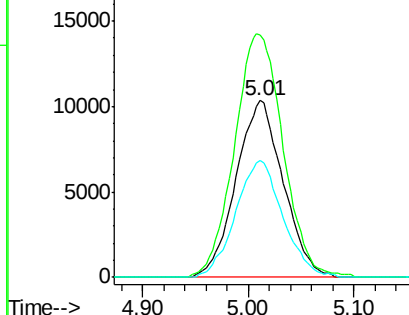
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	109.3	163.9
98	66.3	51.0	76.6

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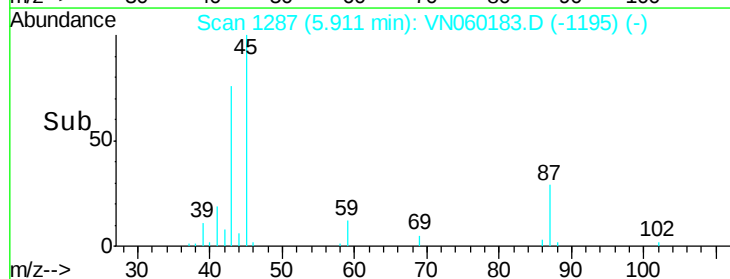
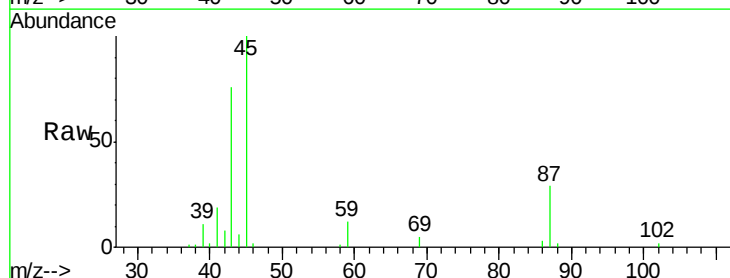
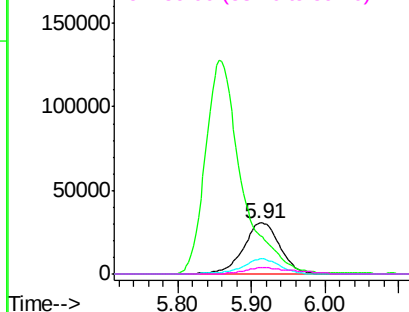
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

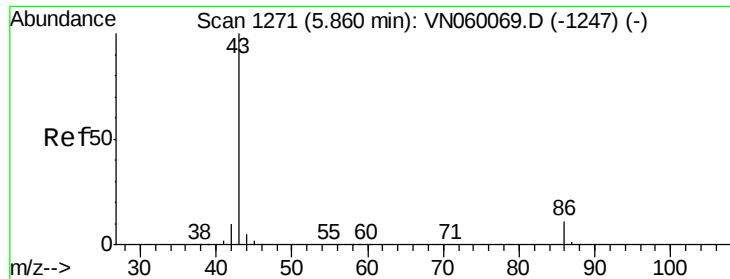


#22
Diisopropyl ether
Concen: 19.630 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	73.7	55.9	83.9
87	28.9	24.5	36.7
59	12.0	9.9	14.9

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.900 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

VN0221MBS01

Tot Ion: 43 Resp: 436890

Ion Ratio Lower Upper

43 100

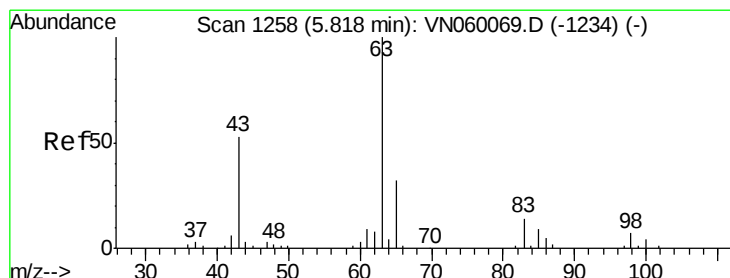
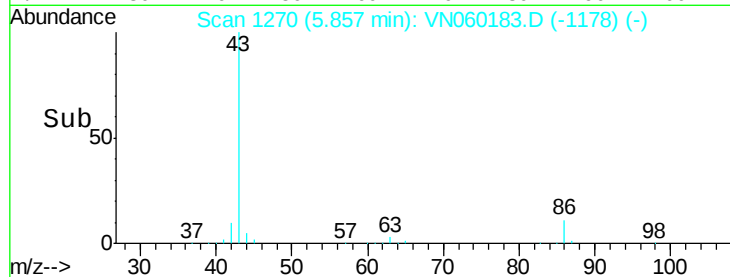
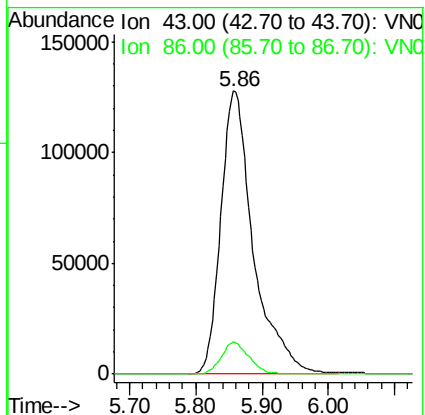
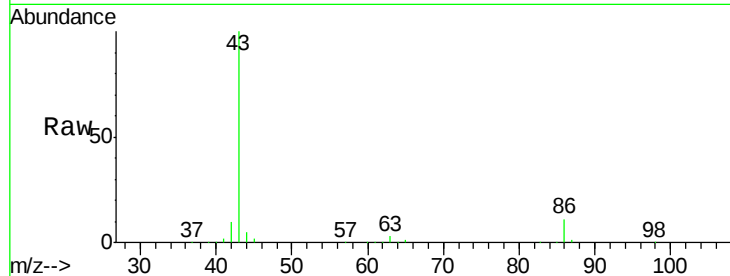
86 11.4 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 18.744 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

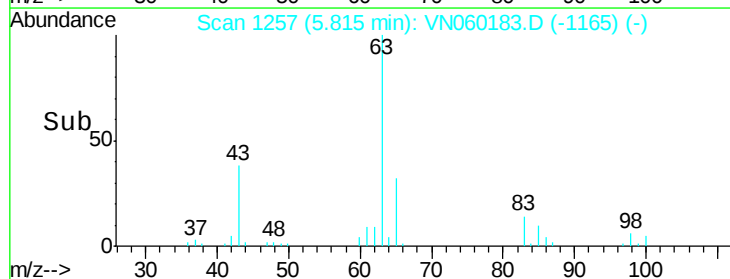
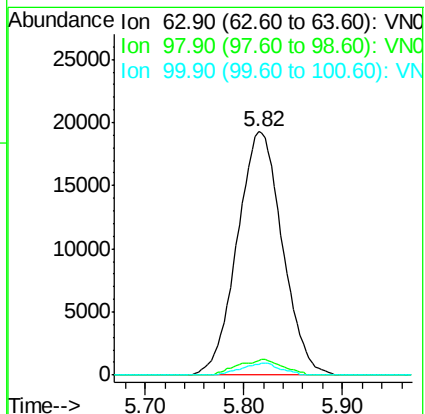
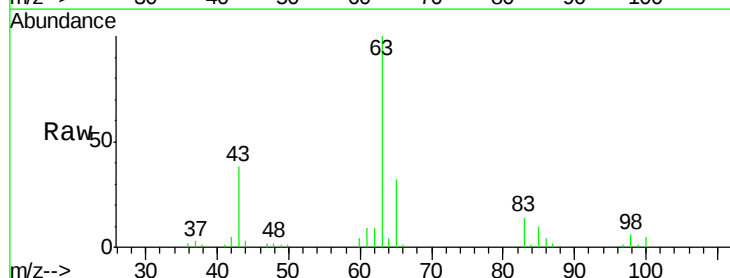
Tgt Ion: 63 Resp: 60965

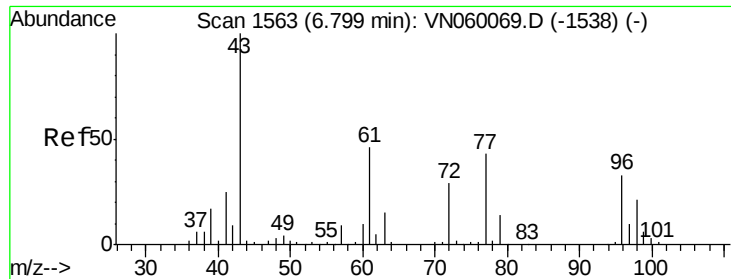
Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

100 4.6 2.2 6.6





#25

2-Butanone

Concen: 89.893 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 43 Resp: 105639

Ion Ratio Lower Upper

43 100

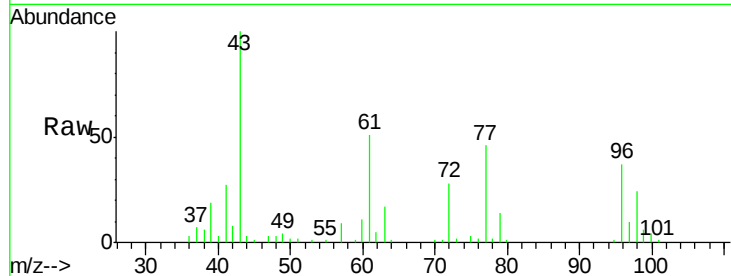
72 27.8 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1538) (-)

Ion 72.00 (71.70 to 72.70): VN060069.D (-1538) (-)

6.80

40000

30000

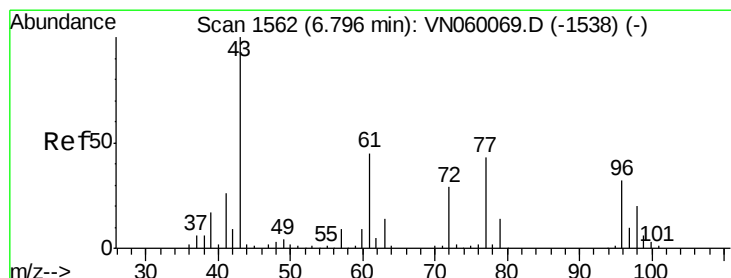
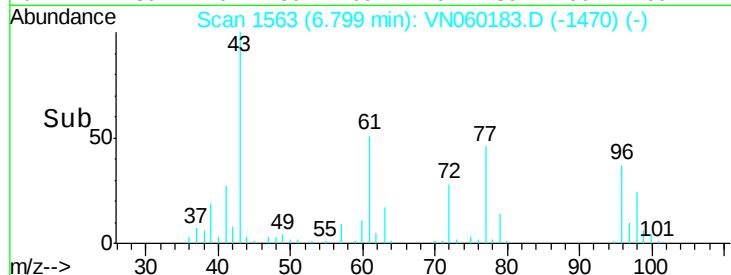
20000

10000

0

6.70 6.75 6.80 6.85

Time-->



#26

2,2-Dichloropropane

Concen: 18.037 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060183.D

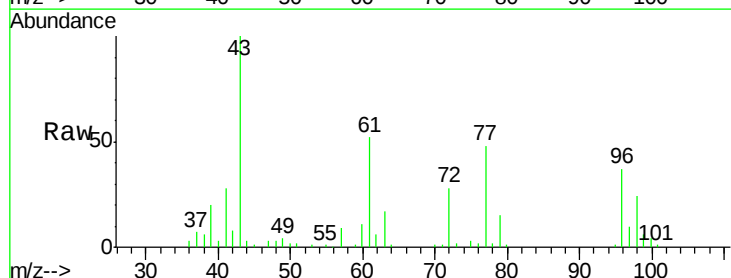
Acq: 21 Feb 2020 12:30

Tgt Ion: 77 Resp: 55721

Ion Ratio Lower Upper

77 100

97 12.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060069.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN060069.D (-1538) (-)

6.80

20000

15000

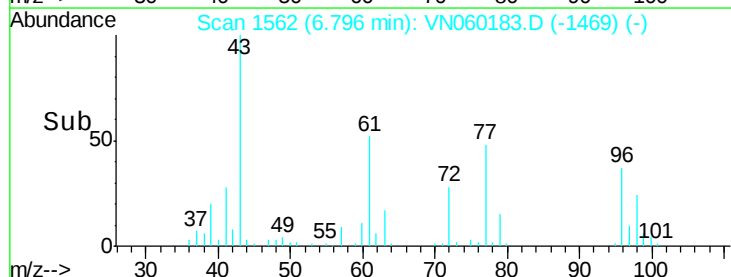
10000

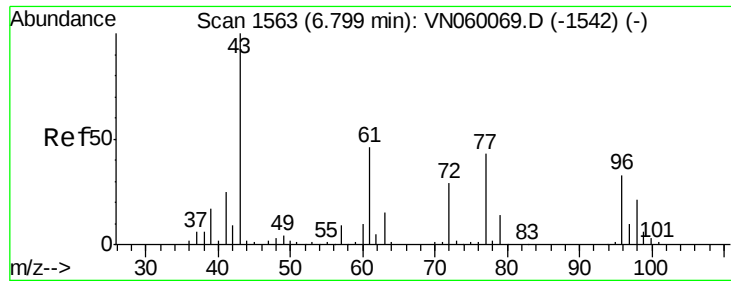
5000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.510 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

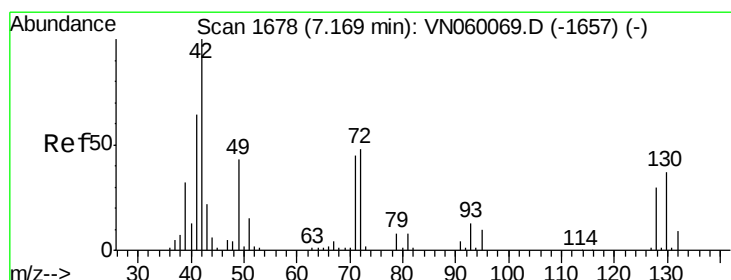
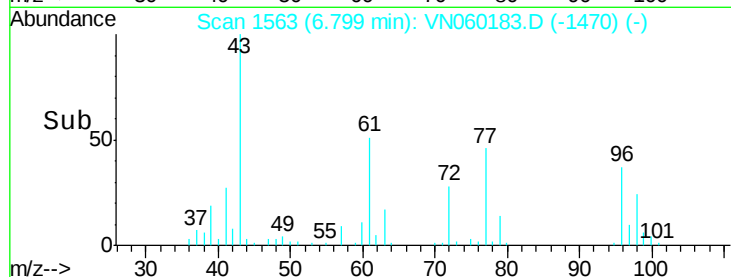
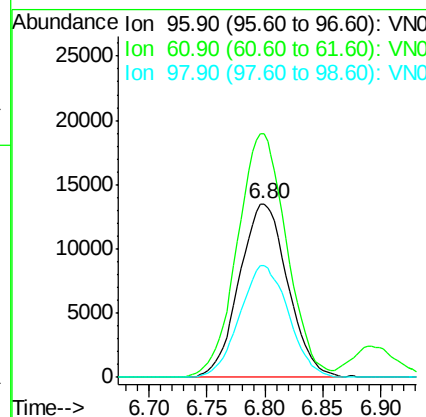
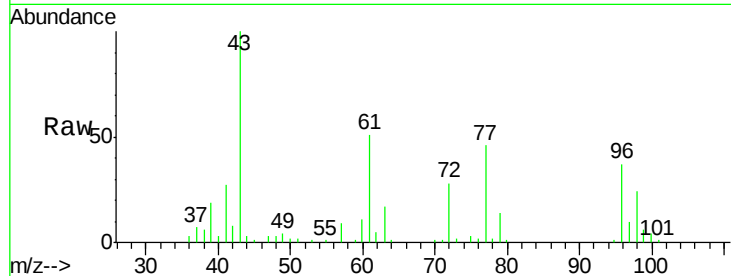
ClientSampled :

VN0221MBS01

Tot Ion:	96	Resp:	39303
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	285.8
98	64.6	0.0	129.6

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#28

Bromochloromethane

Concen: 18.358 ug/l

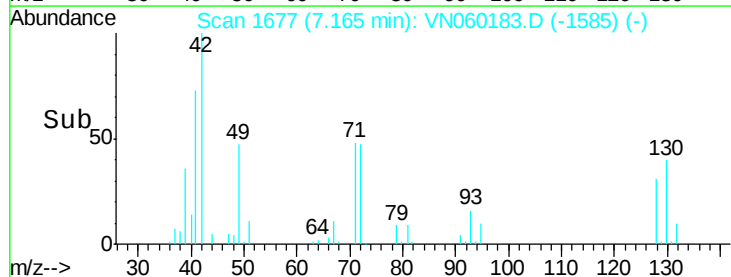
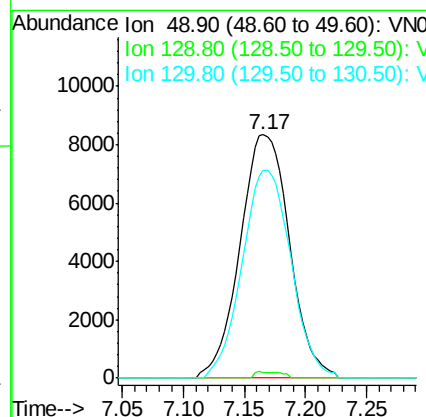
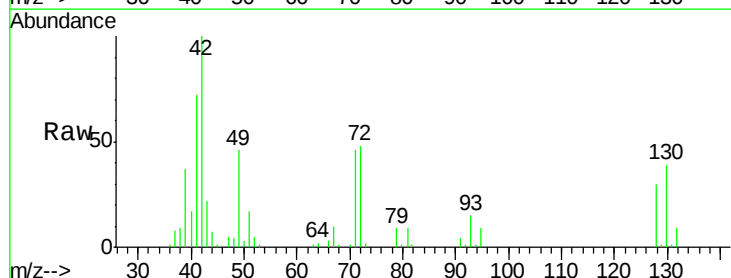
RT: 7.17 min Scan# 1677

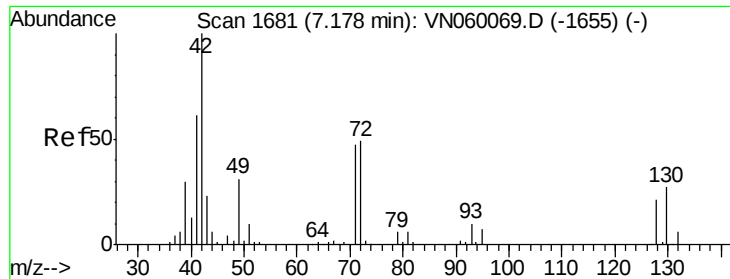
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	49	Resp:	23474
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	2.2
130	84.0	66.8	100.2





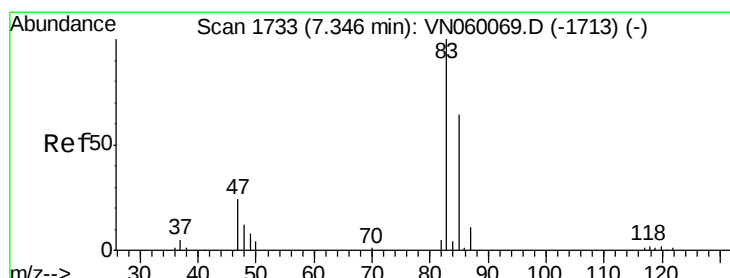
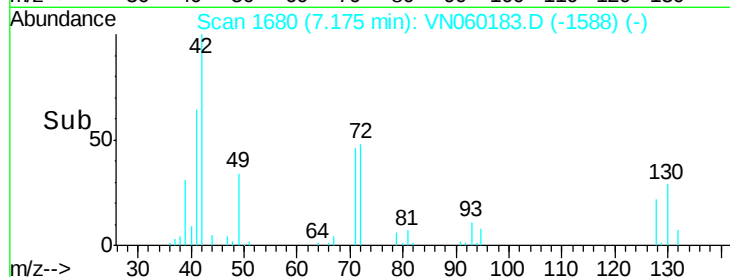
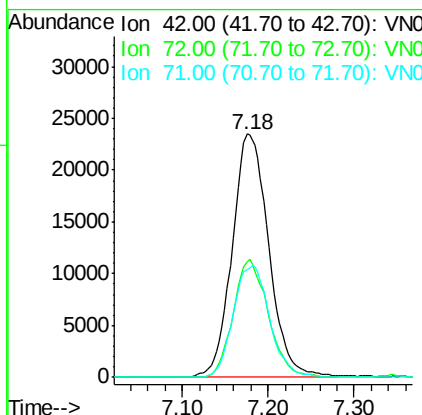
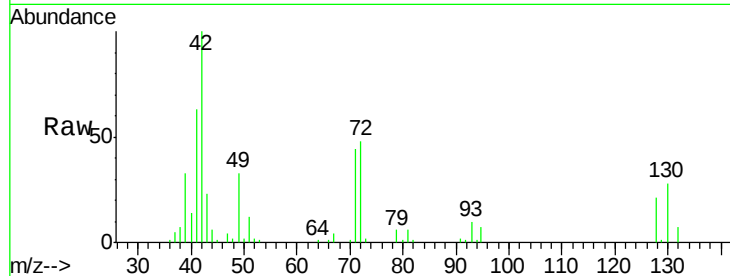
#29
Tetrahydrofuran
Concen: 96.396 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	38.2	57.4
71	45.4	36.6	54.8

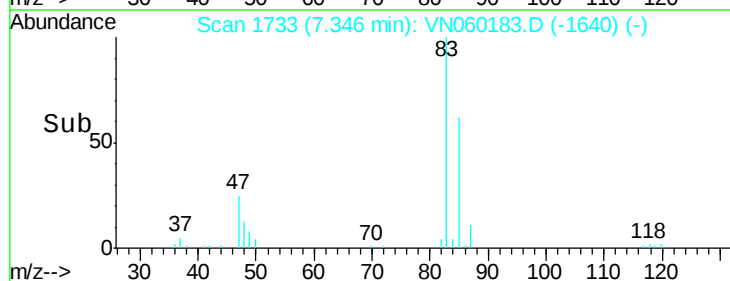
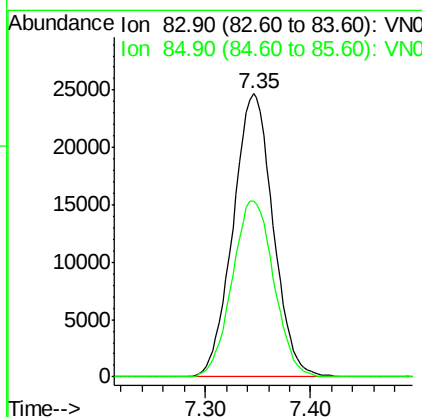
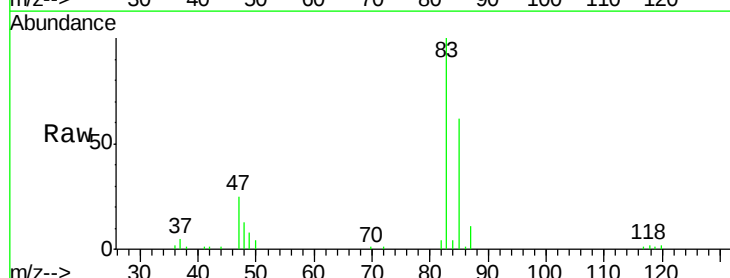
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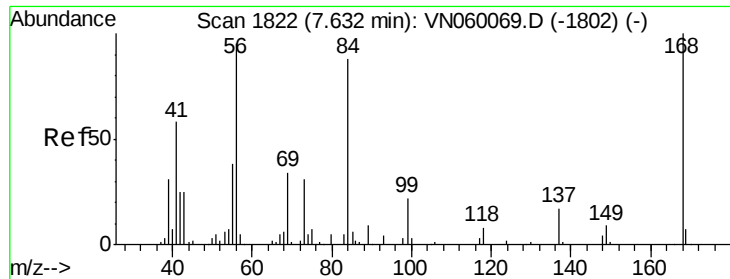
MMDadoda
2/24/2020 11:41:11 AM



#30
Chloroform
Concen: 19.088 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.4	77.0





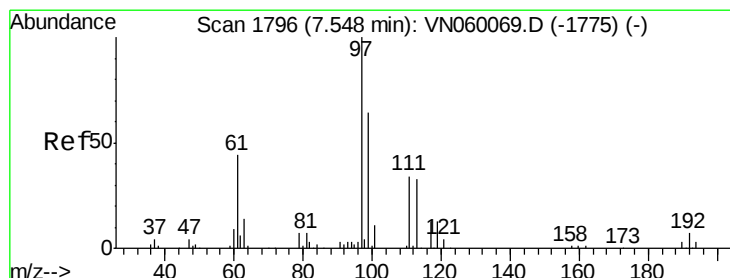
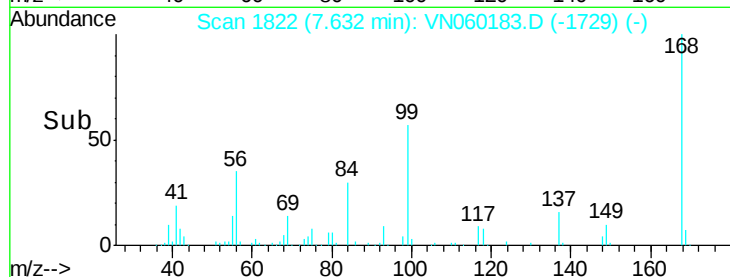
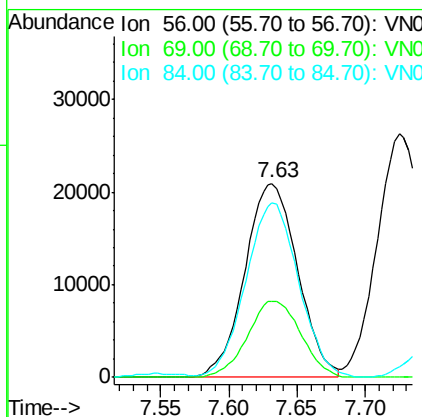
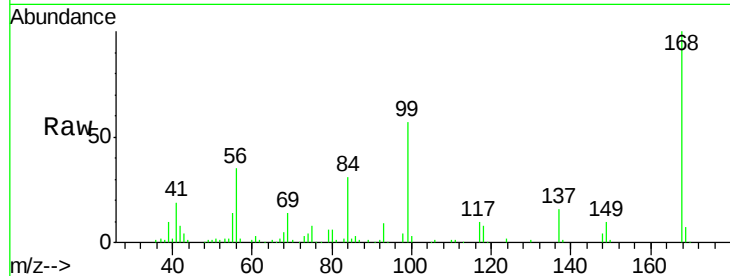
#31
Cyclohexane
Concen: 18.558 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	28.3	42.5
84	88.8	72.6	108.8

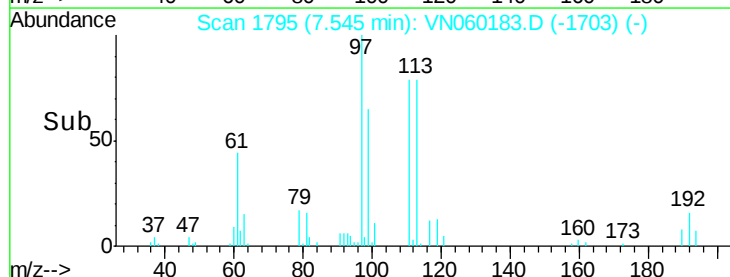
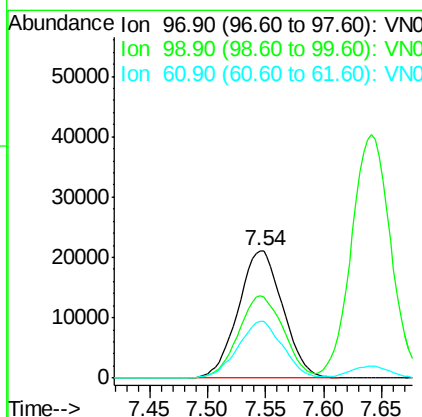
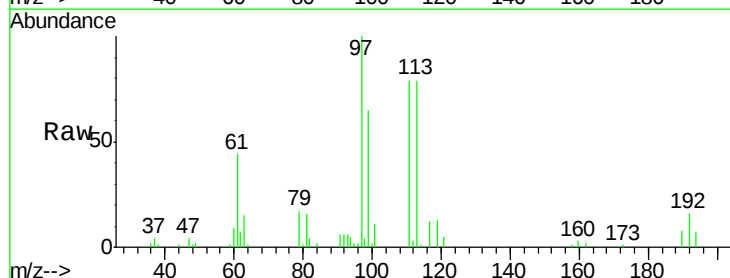
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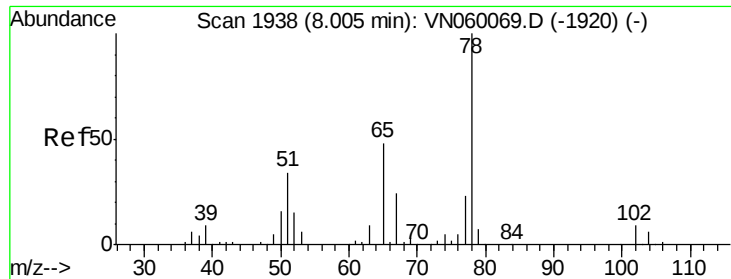
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#32
1,1,1-Trichloroethane
Concen: 18.140 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.4	77.0
61	44.8	34.9	52.3





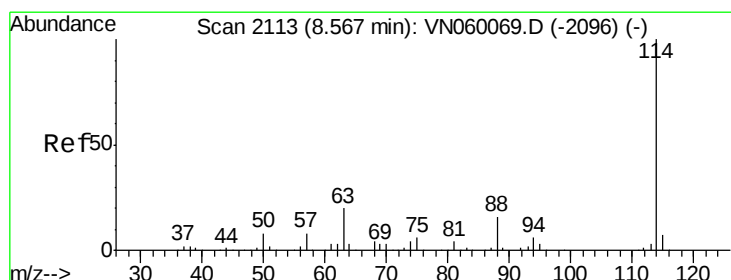
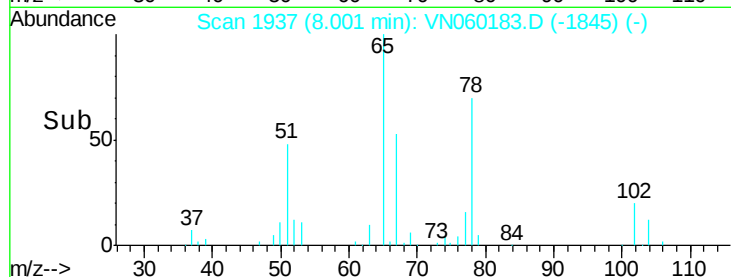
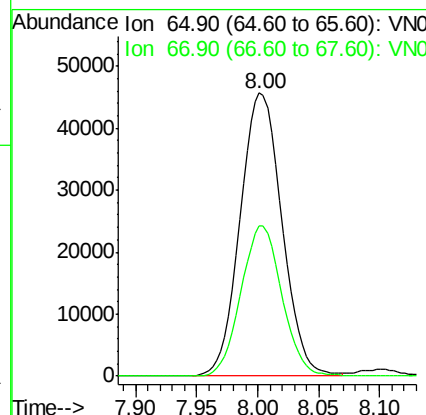
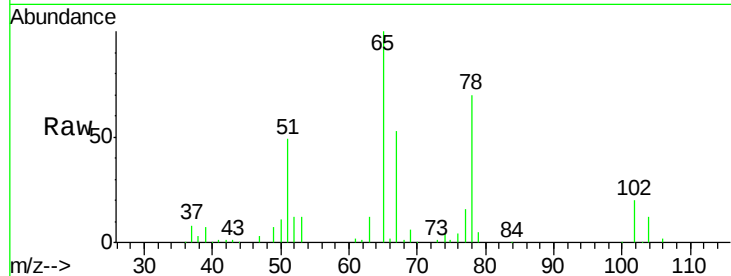
#33
 1,2-Dichloroethane-d4
 Concen: 50.557 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	104.0	

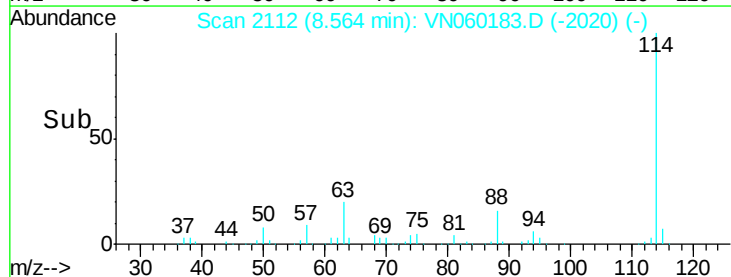
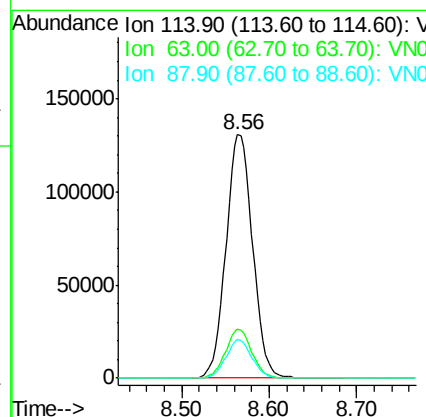
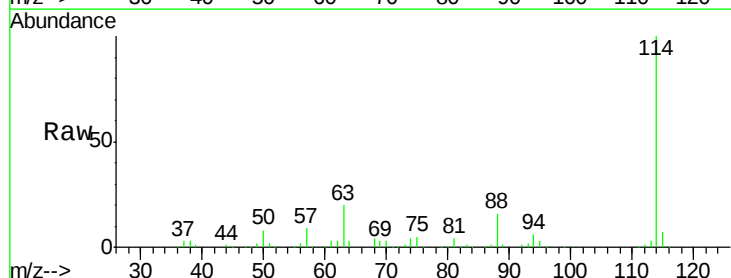
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	40.0	
88	15.8	0.0	31.6	





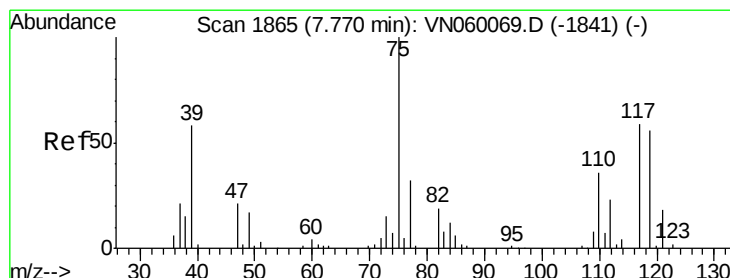
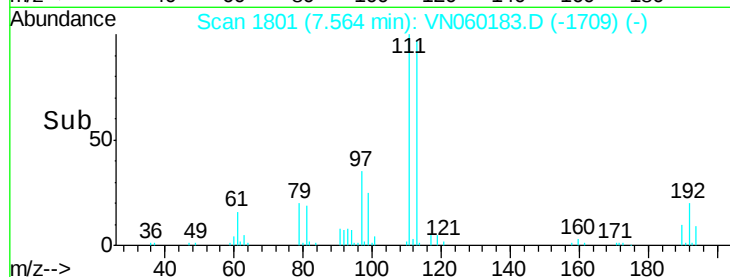
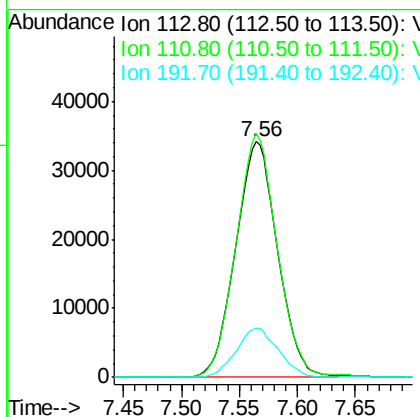
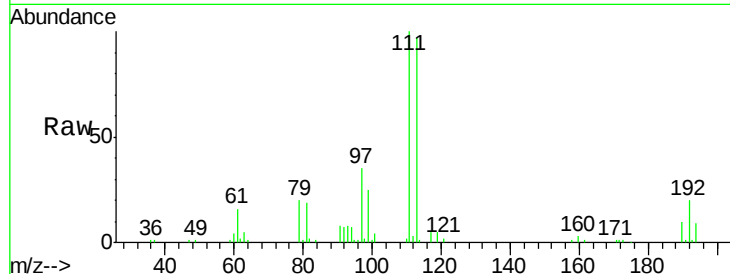
#35
 Dibromofluoromethane
 Concen: 50.443 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	20.9	16.2	24.2

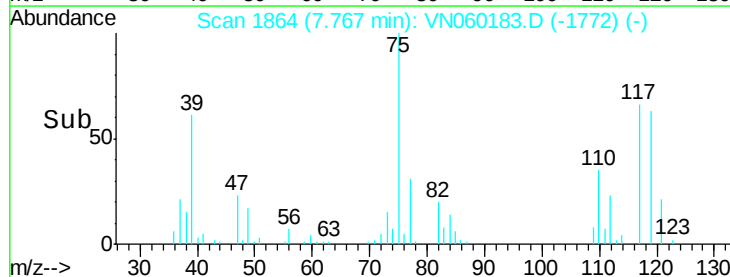
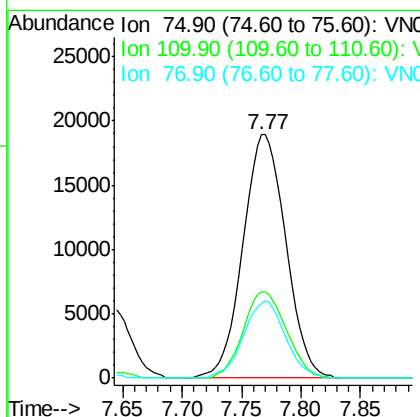
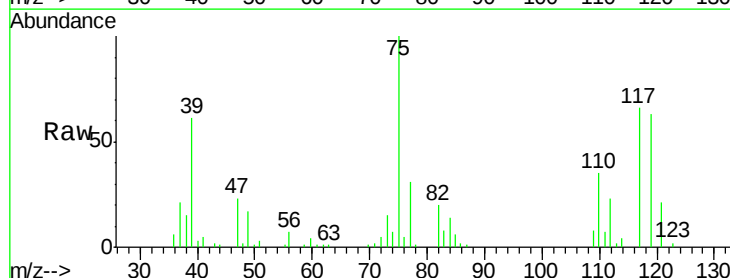
Manual Integrations
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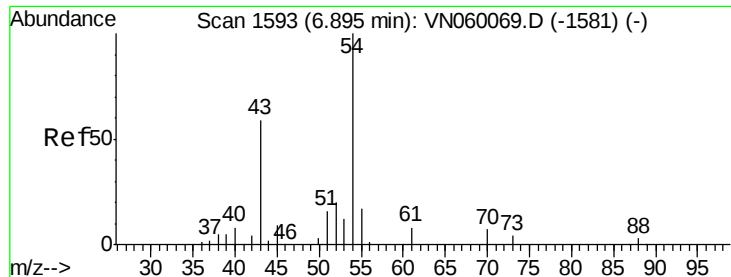
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#36
 1,1-Dichloropropene
 Concen: 18.438 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.1	54.3
77	30.7	25.1	37.7





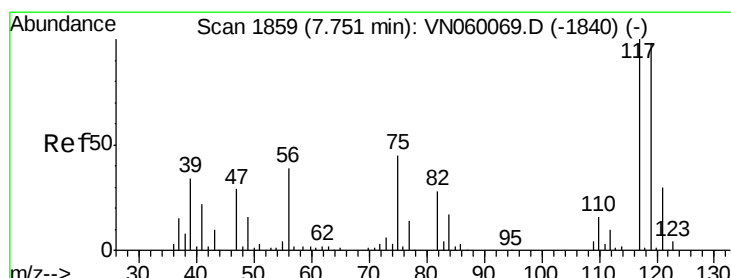
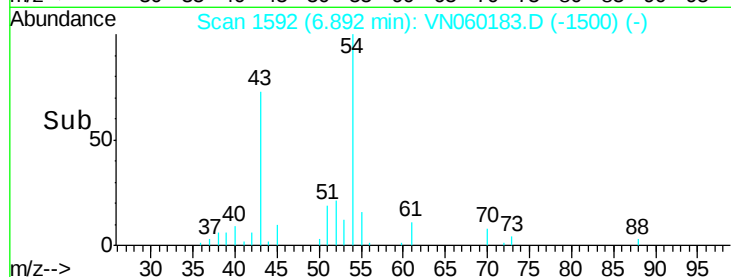
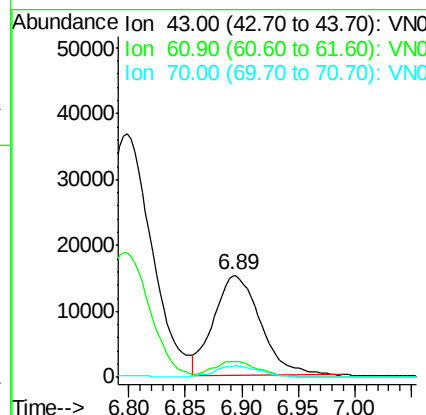
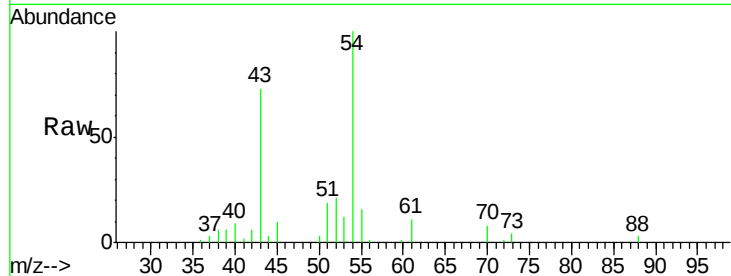
#37
Ethyl Acetate
Concen: 19.070 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.4	17.2
70	10.9	8.7	13.1

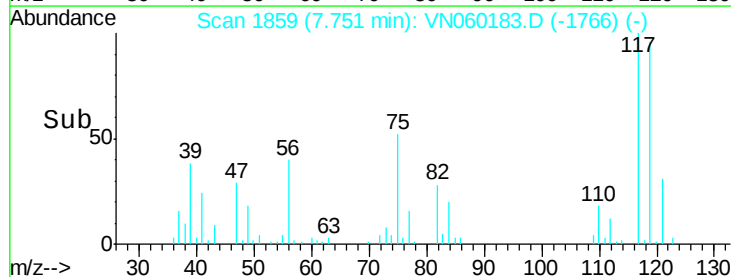
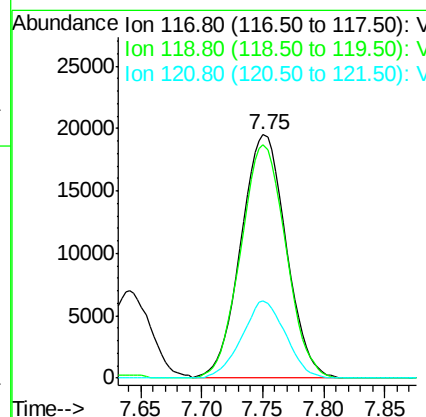
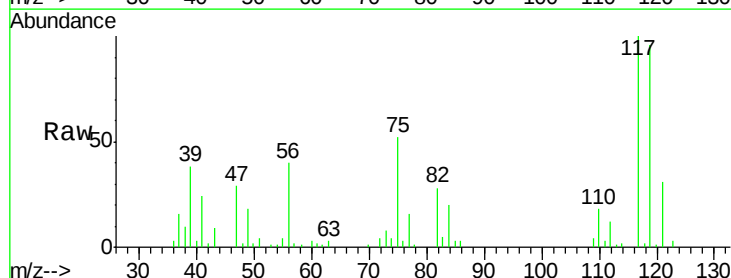
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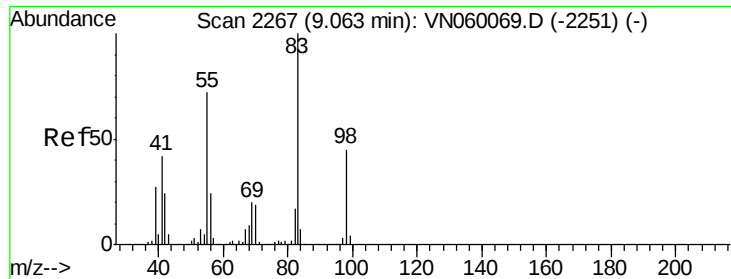
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#38
Carbon Tetrachloride
Concen: 18.046 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.2	117.4
121	31.5	24.2	36.2





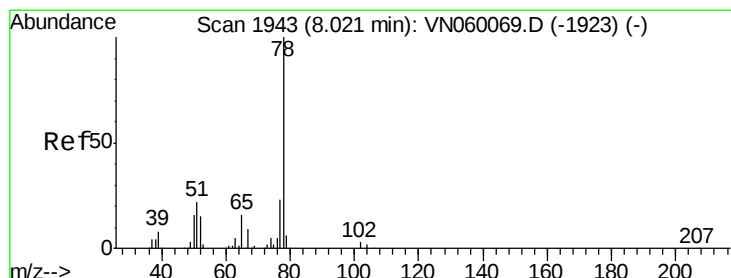
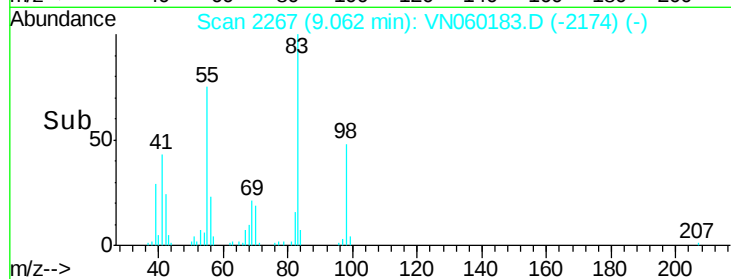
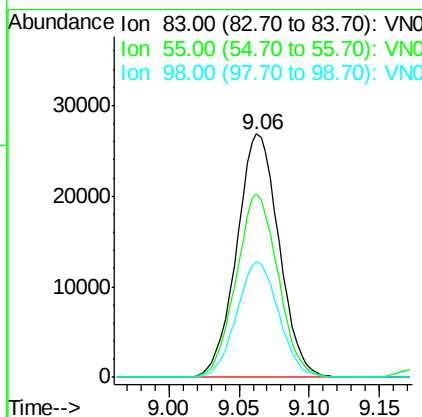
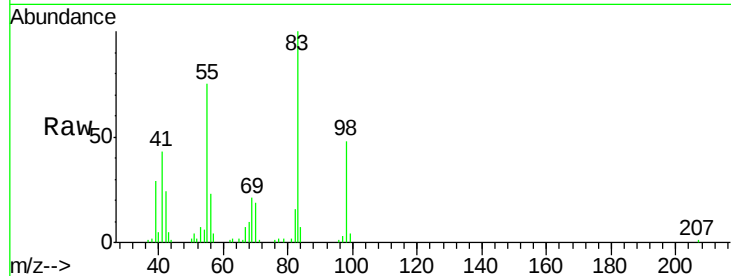
#39
Methvlcvclohexane
Concen: 17.734 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	57.8	86.8
98	47.5	36.4	54.6

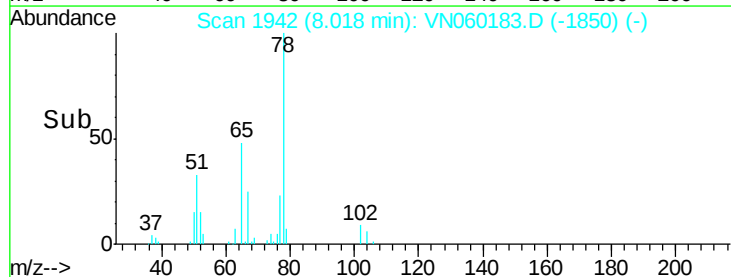
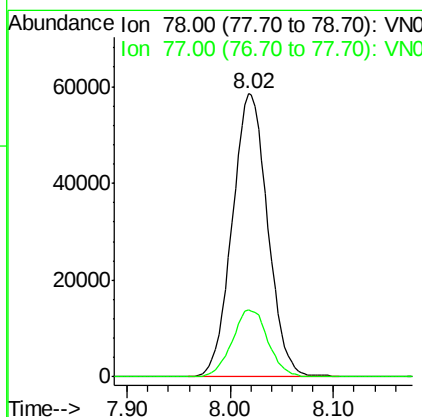
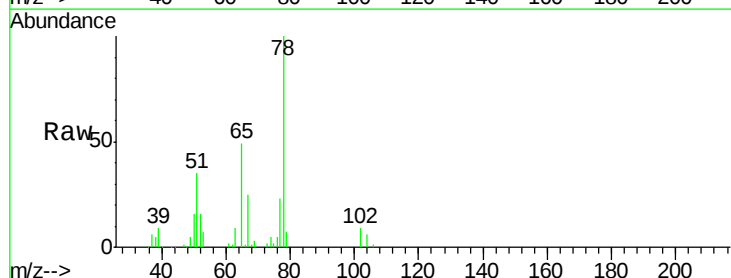
Manual Integrations
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#40
Benzene
Concen: 18.413 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





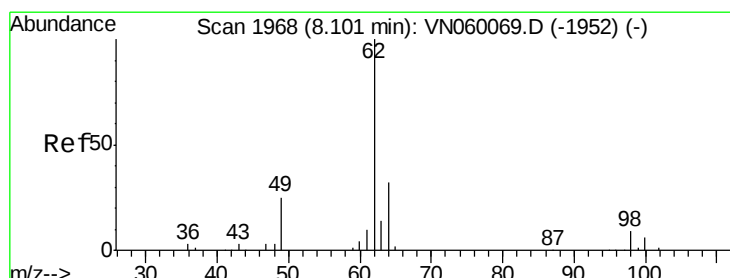
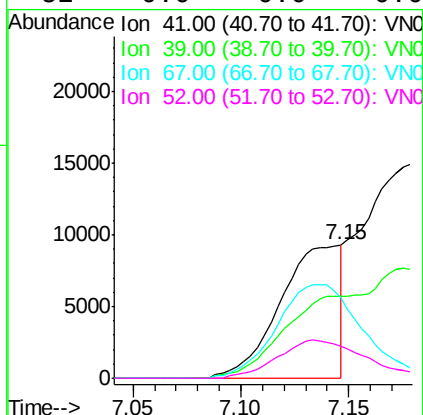
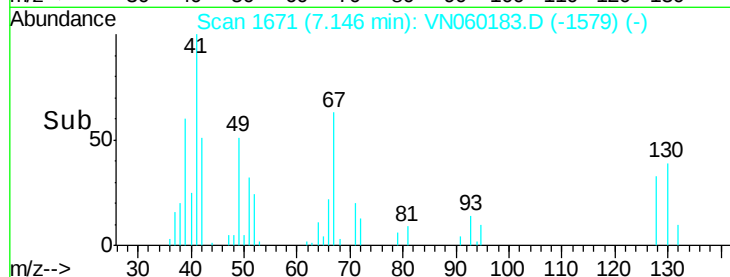
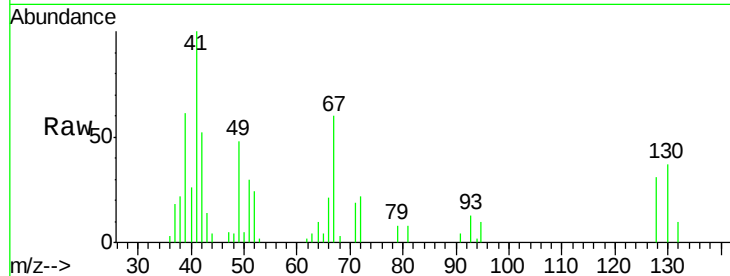
#41
Methacrylonitrile
Concen: 18.653 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	41	Resp	18110
Ion Ratio	Lower	Upper	
41	100		
39	188.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

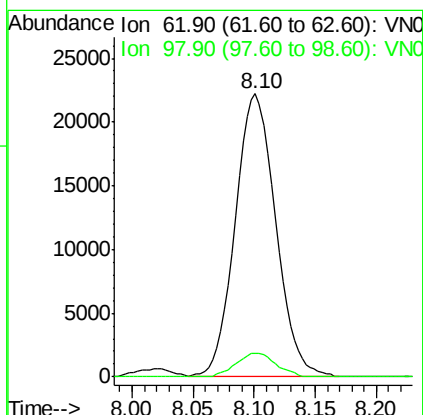
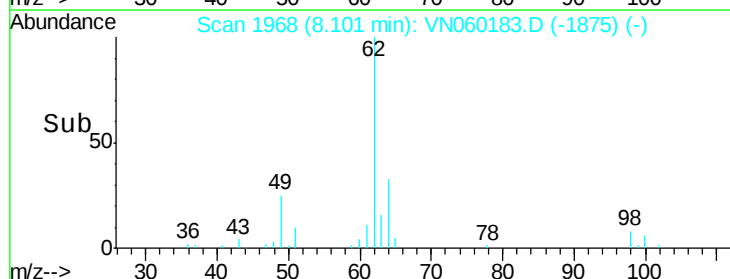
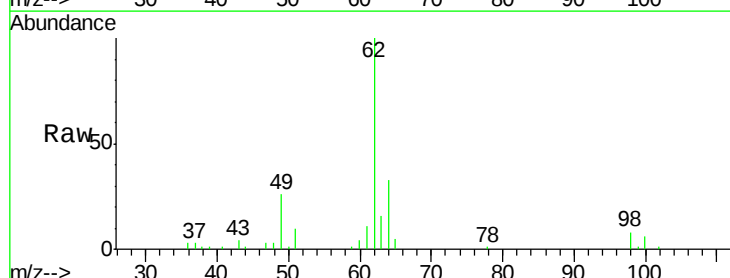
Manual Integrations
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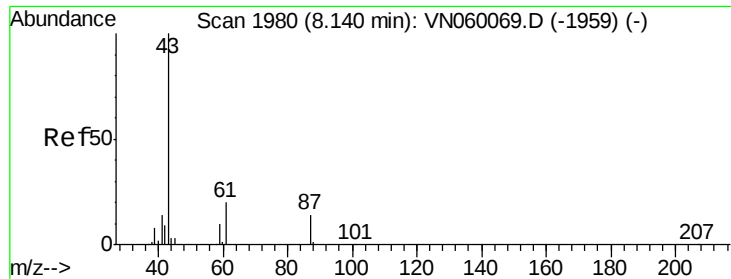
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#42
1,2-Dichloroethane
Concen: 19.210 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	62	Resp	51163
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	18.2





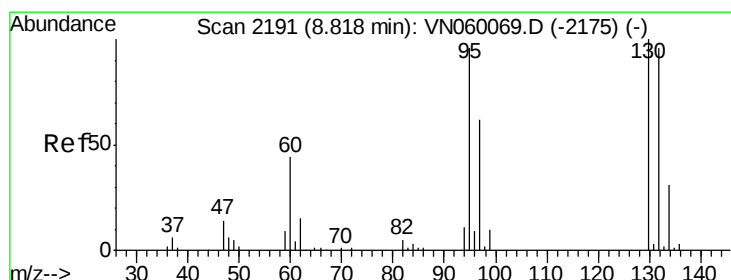
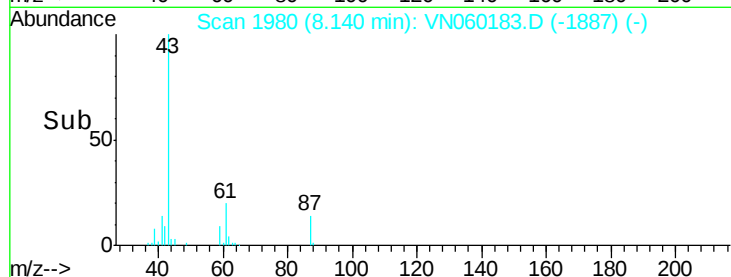
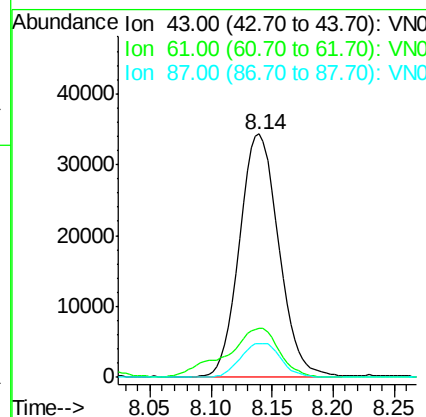
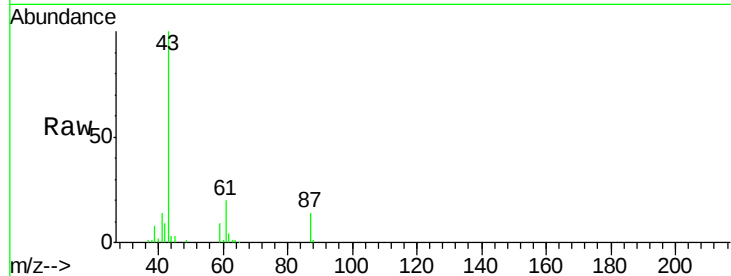
#43
Isopropyl Acetate
Concen: 19.406 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.8	32.6
87	14.2	11.4	17.2

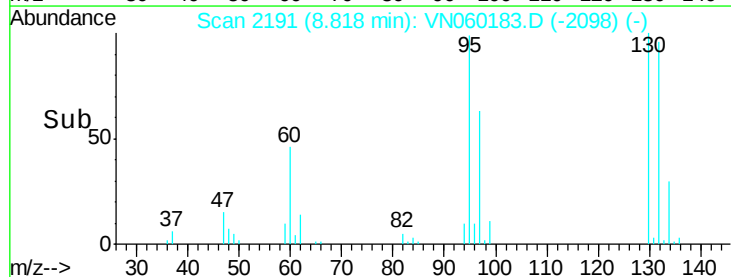
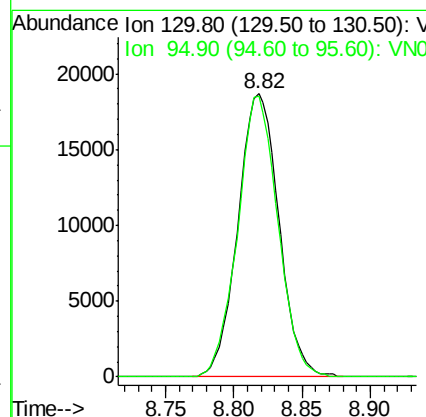
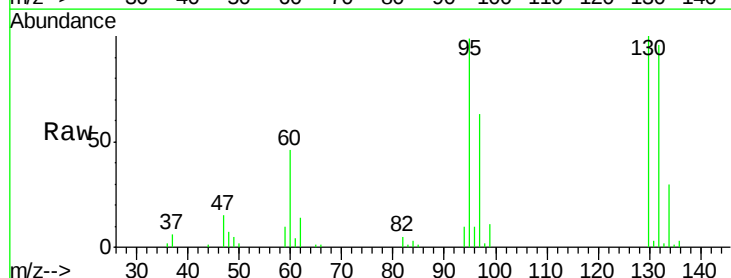
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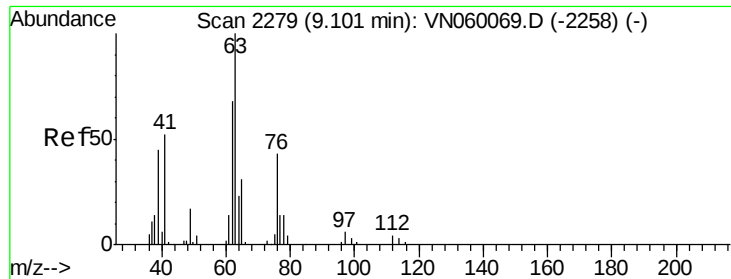
MMDadoda
2/24/2020 11:41:11 AM



#44
Trichloroethene
Concen: 18.515 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	192.4





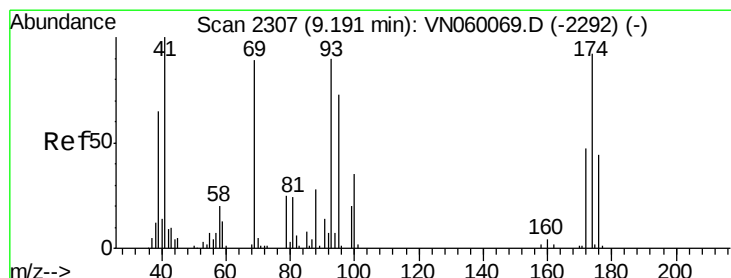
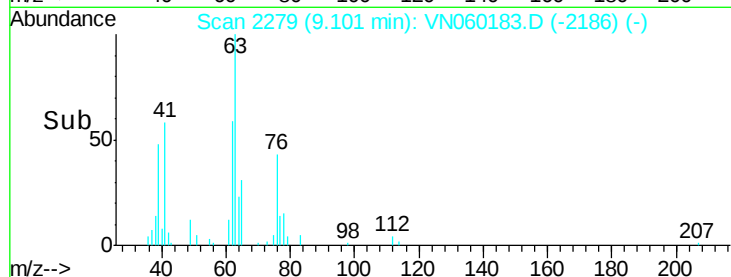
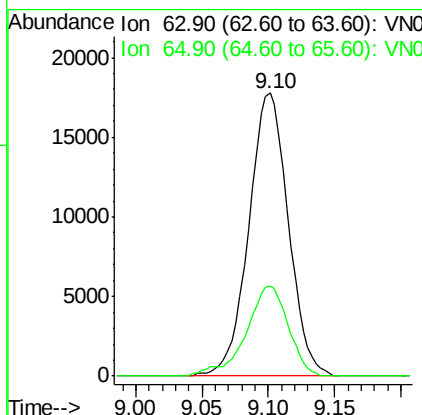
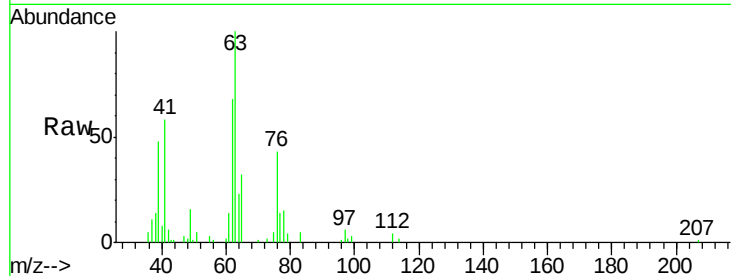
#45
 1,2-Dichloropropane
 Concen: 19.614 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion: 63 Resp: 36899
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.0 37.4

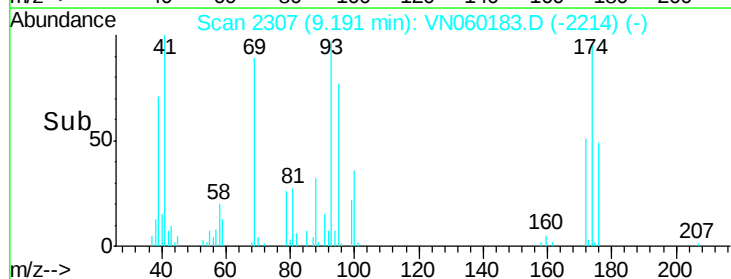
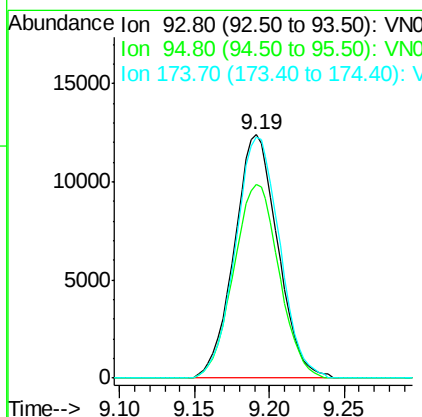
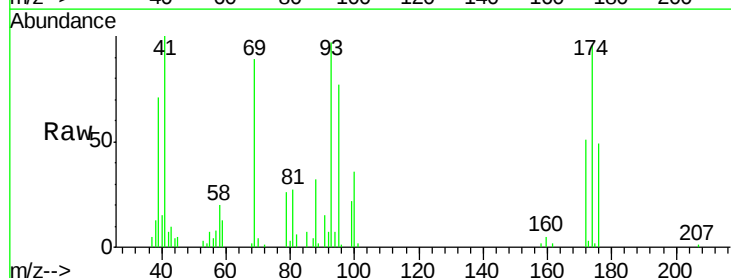
Manual Integrations
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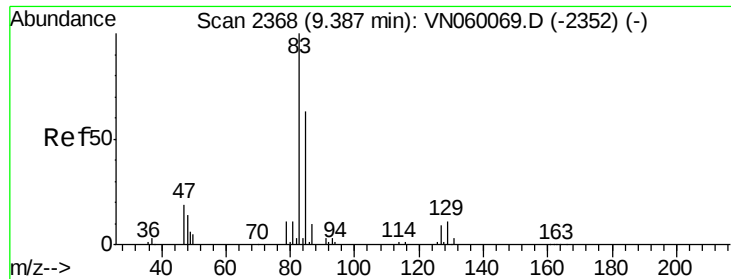
MMDadoda
 2/24/2020 11:41:11 AM



#46
 Dibromomethane
 Concen: 18.883 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion: 93 Resp: 25104
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.0 97.6
 174 100.5 82.3 123.5





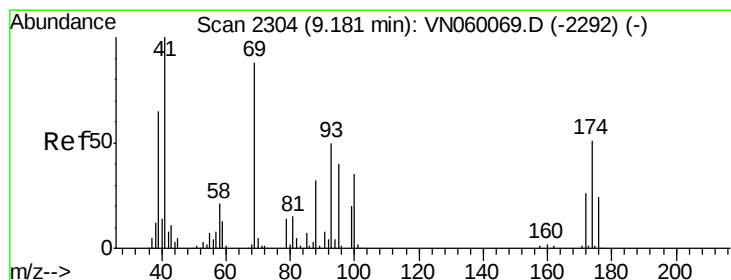
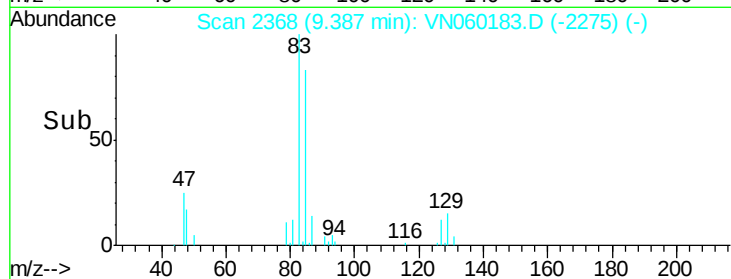
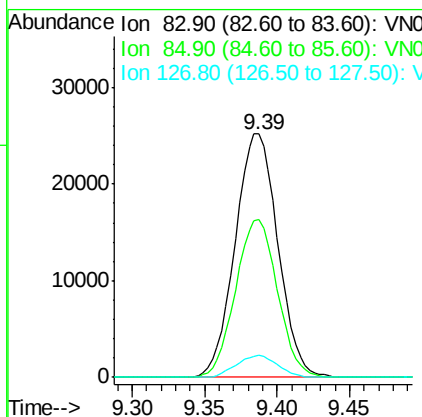
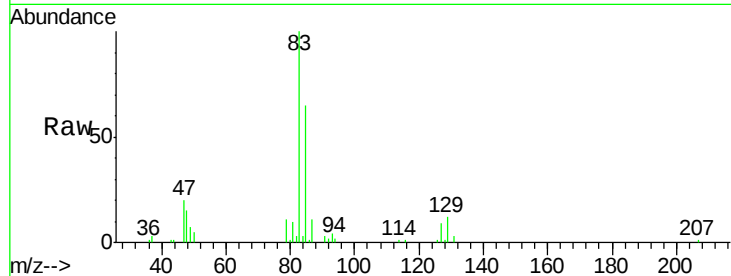
#47
Bromodichloromethane
Concen: 19.115 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

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

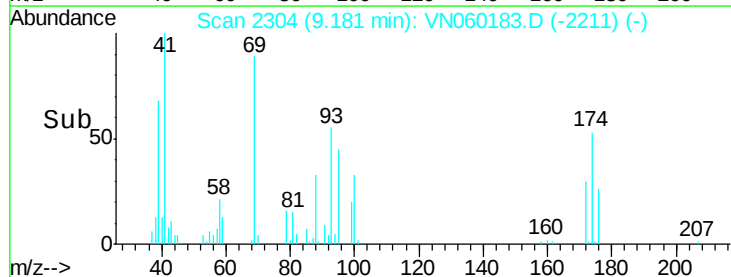
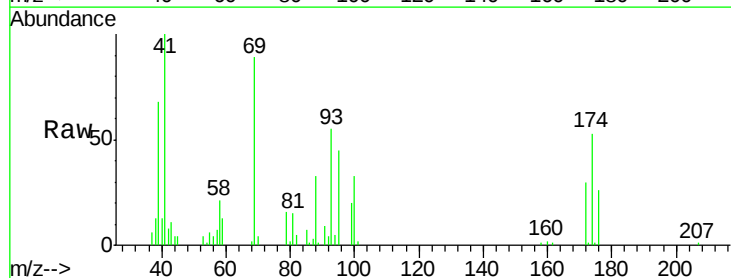
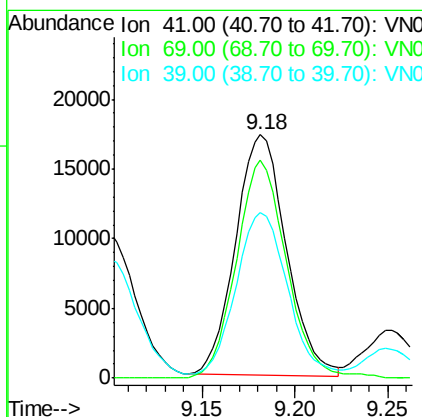
Manual Integrations
APPROVED

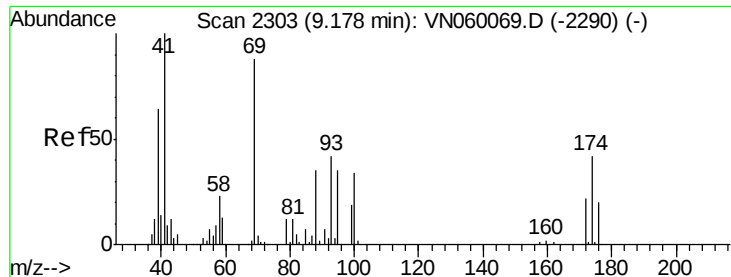
MMDadoda
2/24/2020 11:41:11 AM



#48
Methyl methacrylate
Concen: 18.486 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.5	72.0	108.0
39	68.1	54.1	81.1





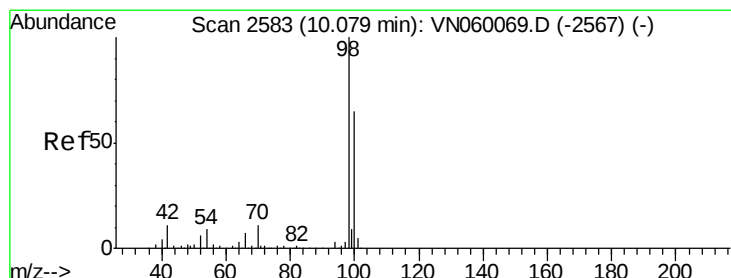
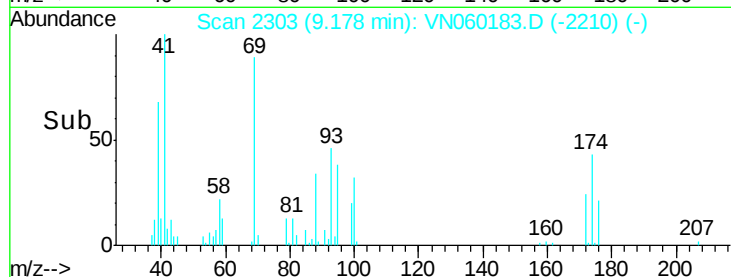
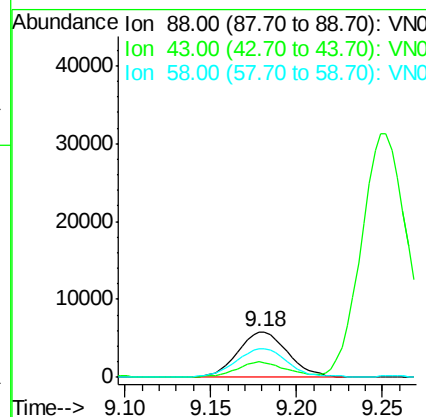
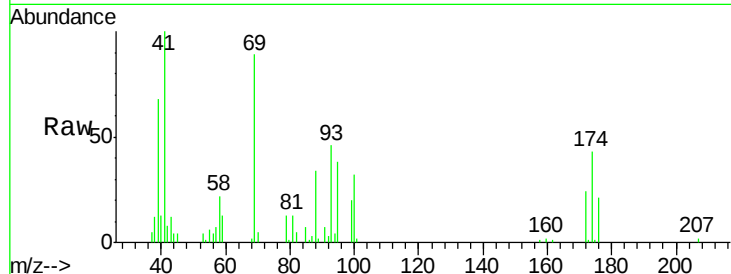
#49
1,4-Dioxane
Concen: 387.495 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.2	39.2
58	65.1	53.2	79.8

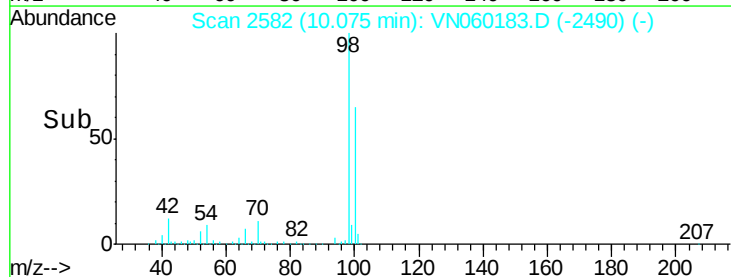
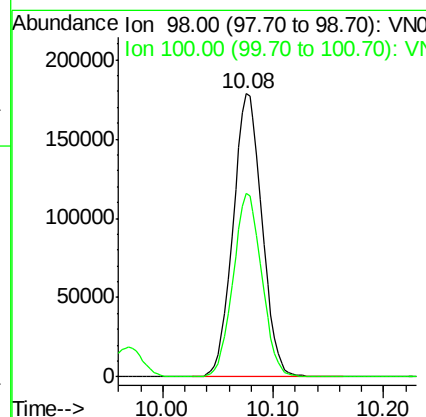
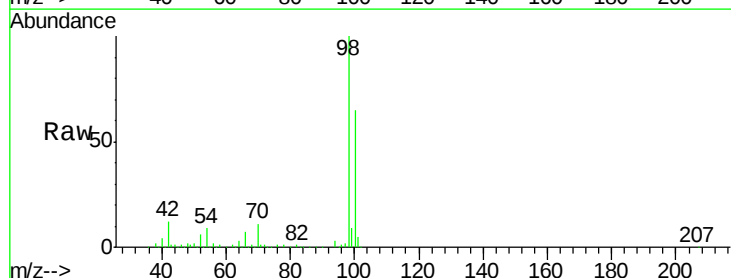
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#50
Toluene-d8
Concen: 48.604 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 97.165 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

VN0221MBS01

Tot Ion: 43 Resp: 222579

Ion Ratio Lower Upper

43 100

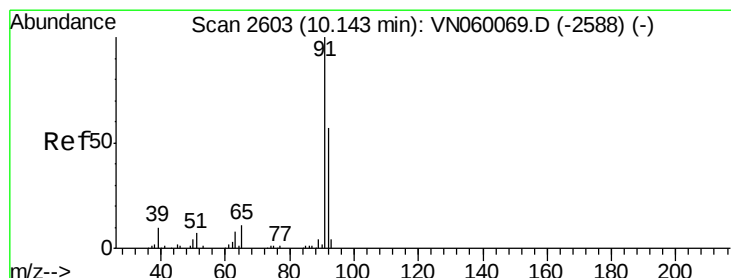
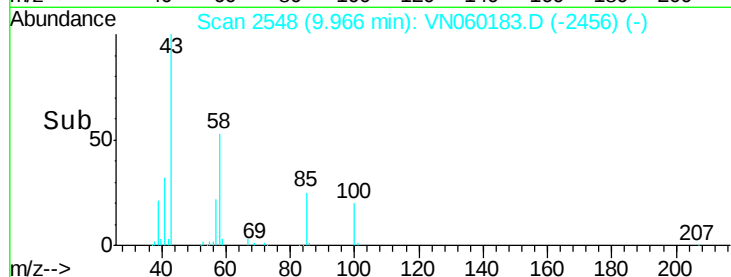
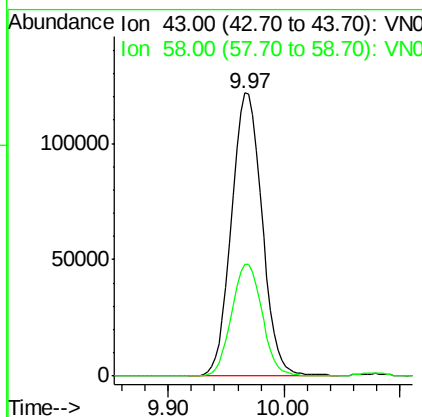
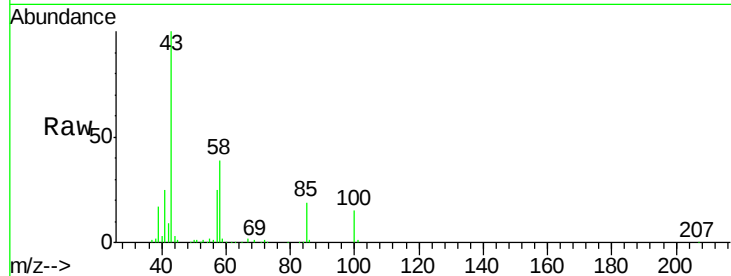
58 39.4 31.8 47.8

Manual Integrations

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#52

Toluene

Concen: 18.347 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060183.D

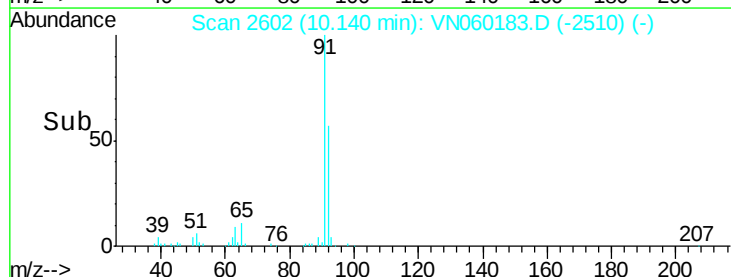
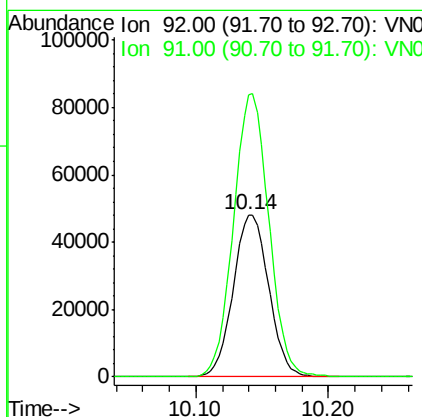
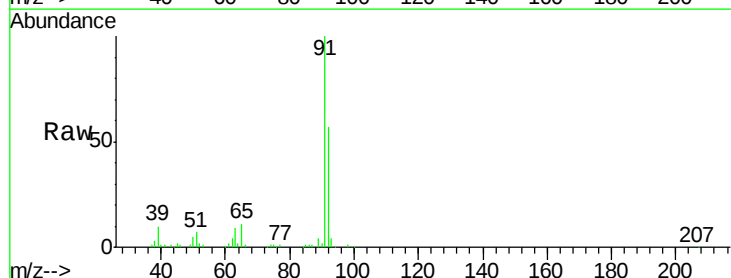
Acq: 21 Feb 2020 12:30

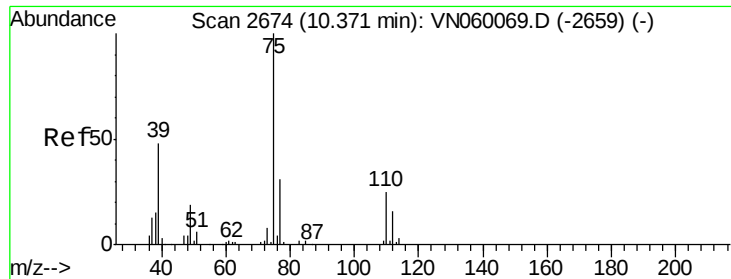
Tgt Ion: 92 Resp: 89401

Ion Ratio Lower Upper

92 100

91 174.2 140.9 211.3





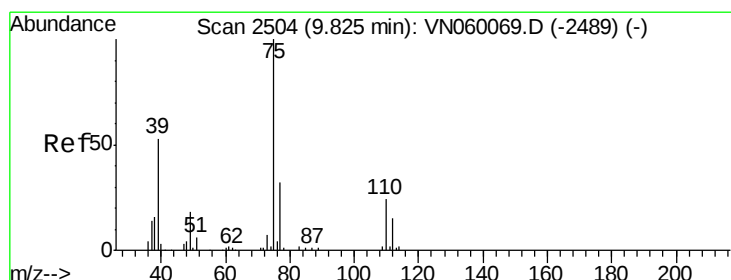
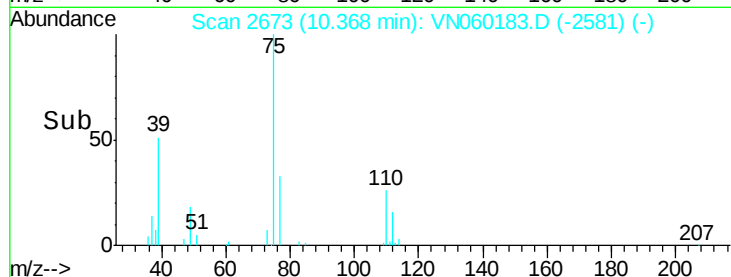
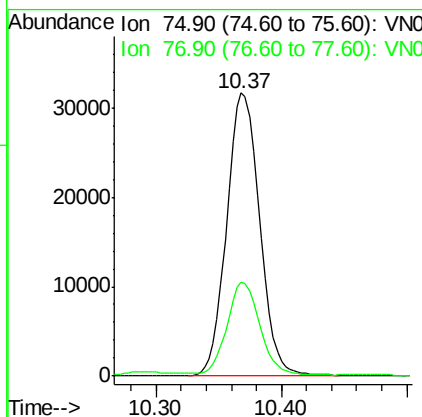
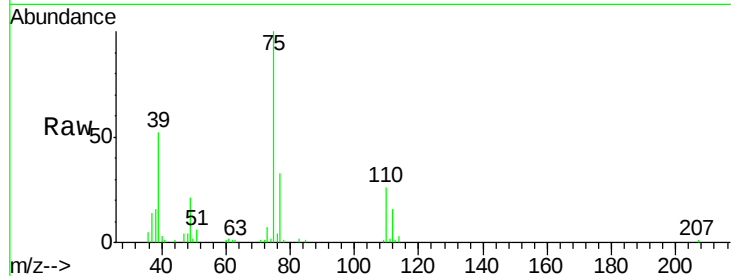
#53
t-1,3-Dichloropropene
Concen: 18.948 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion: 75 Resp: 57808
Ion Ratio Lower Upper
75 100
77 32.8 25.4 38.0

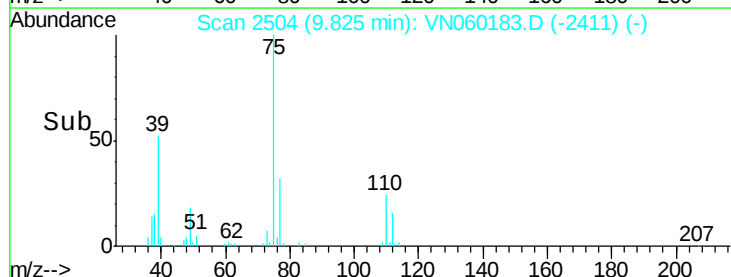
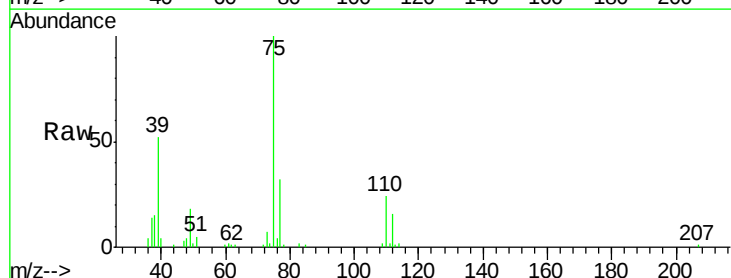
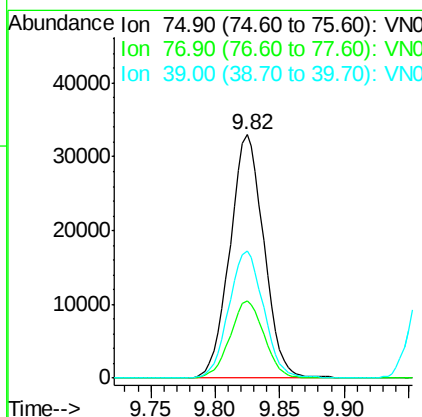
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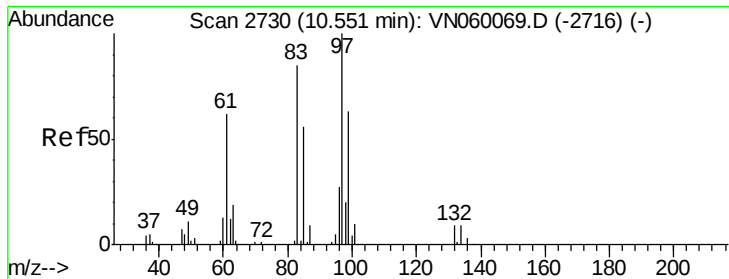
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#54
cis-1,3-Dichloropropene
Concen: 18.813 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 75 Resp: 60439
Ion Ratio Lower Upper
75 100
77 31.8 25.6 38.4
39 52.4 42.2 63.4





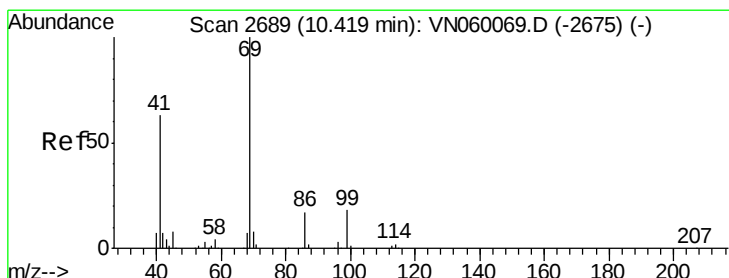
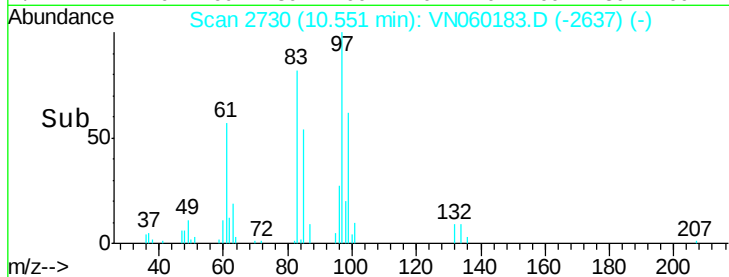
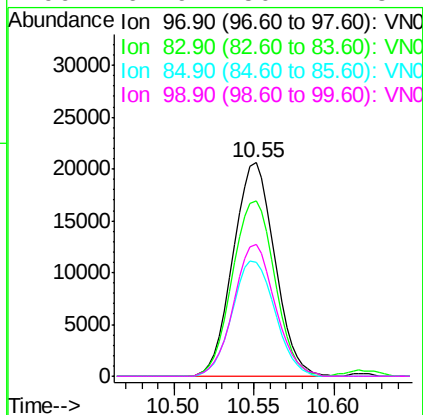
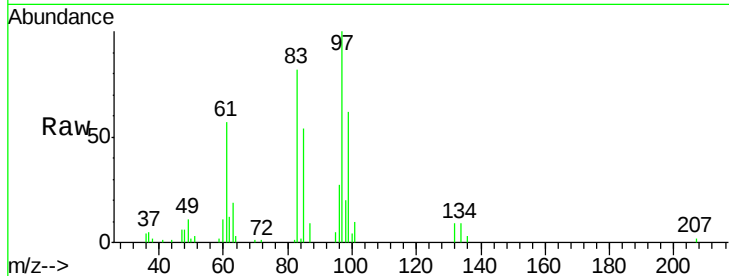
#55
 1,1,2-Trichloroethane
 Concen: 19.288 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion:	97	Resp:	36667
Ion	Ratio	Lower	Upper
97	100		
83	82.0	67.9	101.9
85	53.6	44.6	67.0
99	61.9	50.1	75.1

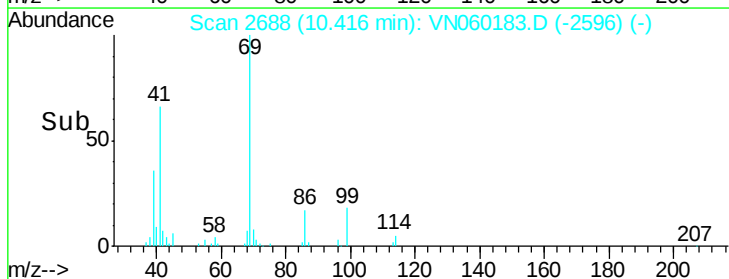
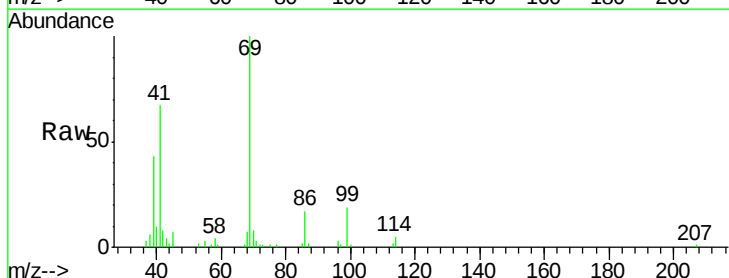
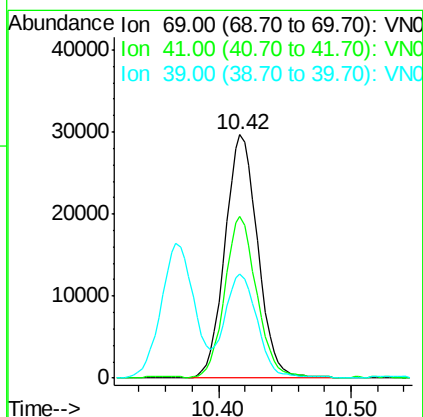
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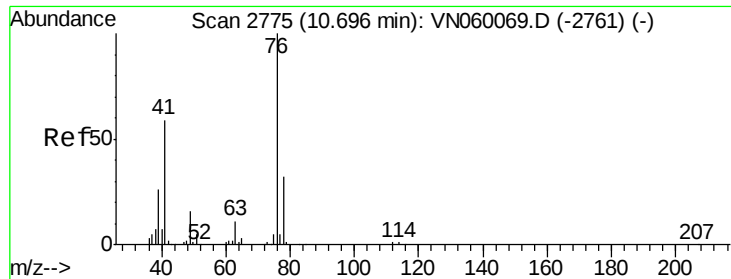
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#56
 Ethyl methacrylate
 Concen: 18.906 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion:	69	Resp:	50844
Ion	Ratio	Lower	Upper
69	100		
41	65.6	51.1	76.7
39	42.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.132 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 76 Resp: 60014

Ion Ratio Lower Upper

76 100

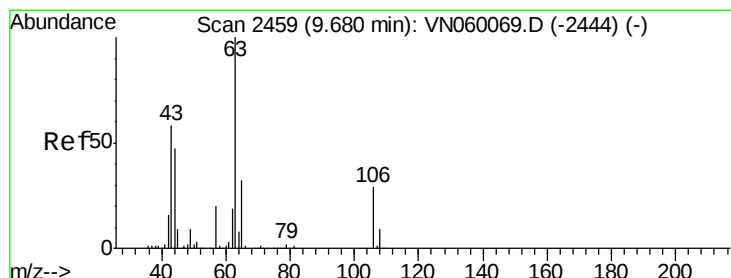
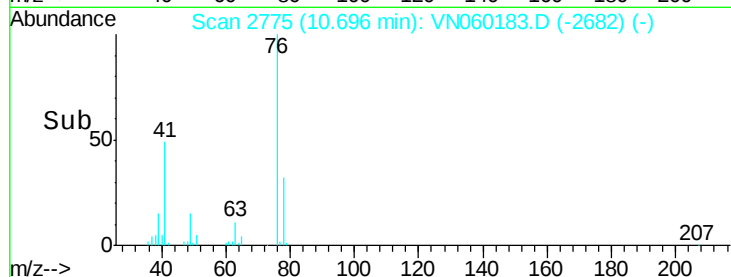
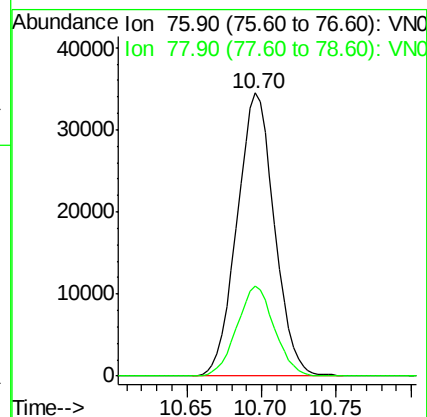
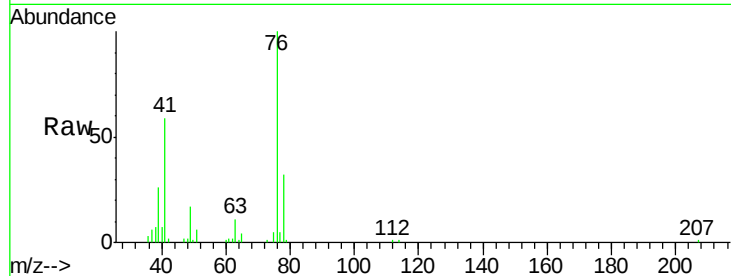
78 31.7 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.877 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060183.D

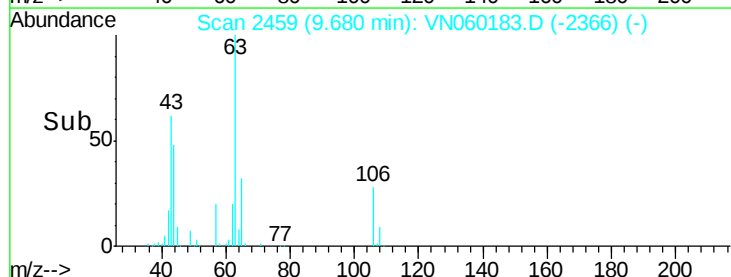
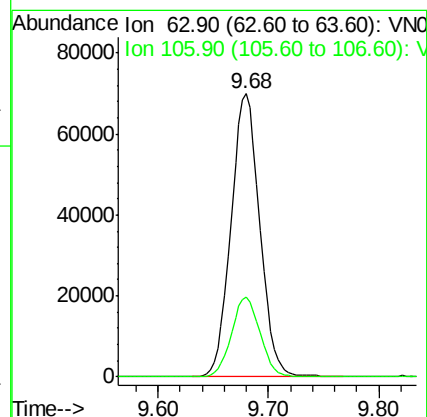
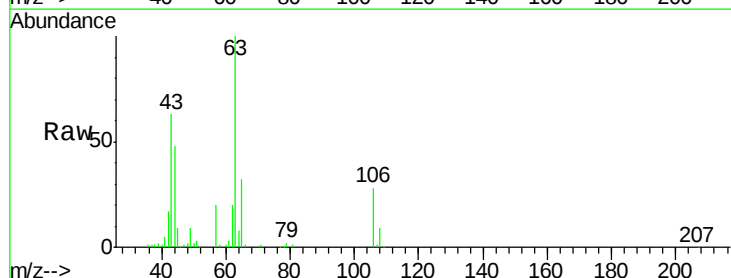
Acq: 21 Feb 2020 12:30

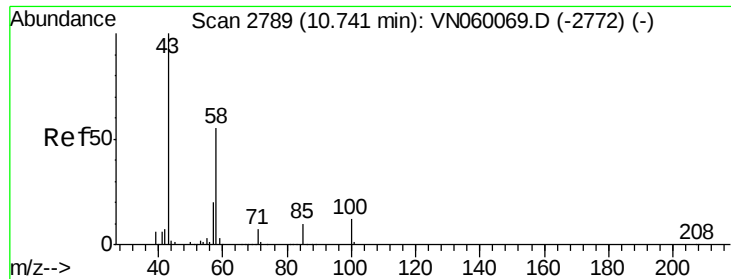
Tgt Ion: 63 Resp: 126383

Ion Ratio Lower Upper

63 100

106 28.0 22.9 34.3





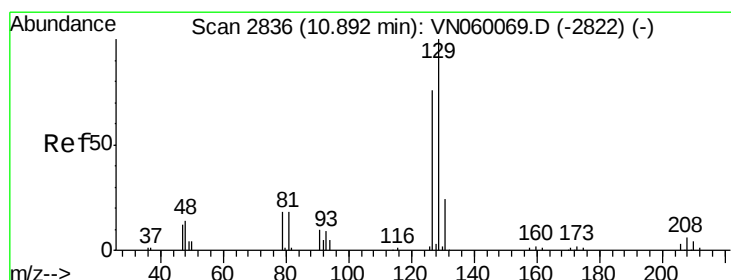
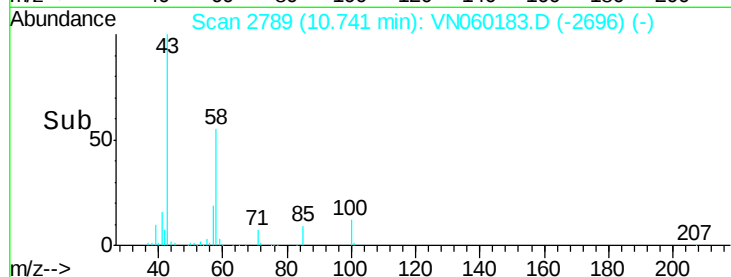
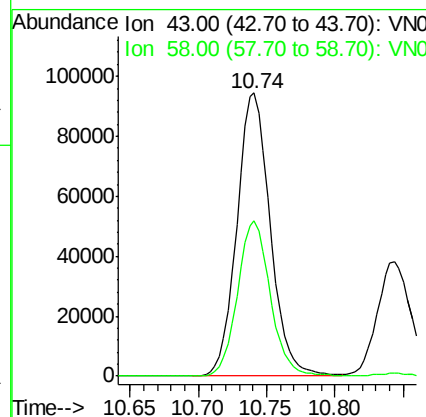
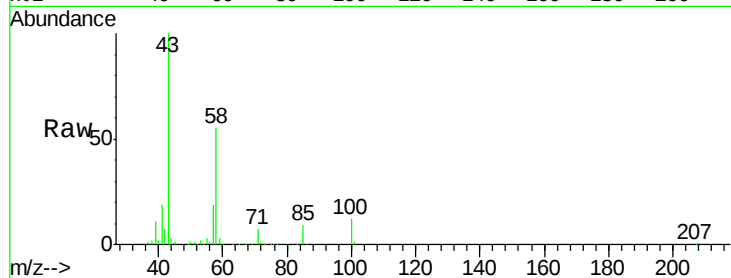
#59
2-Hexanone
Concen: 90.699 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion: 43 Resp: 160493
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4

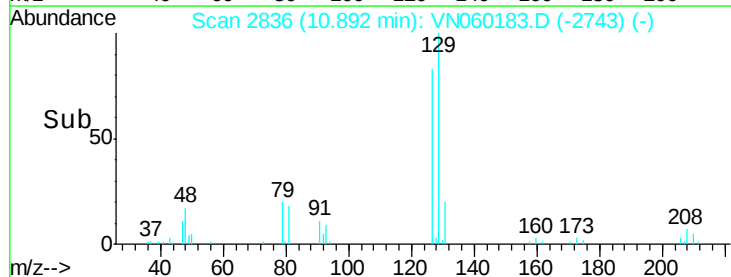
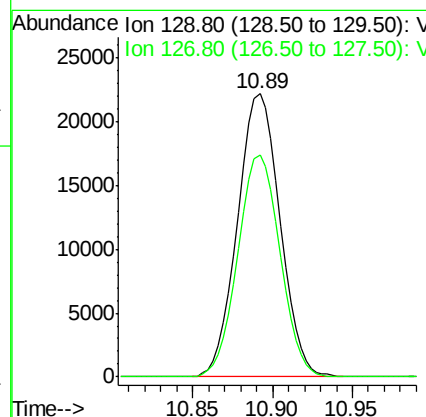
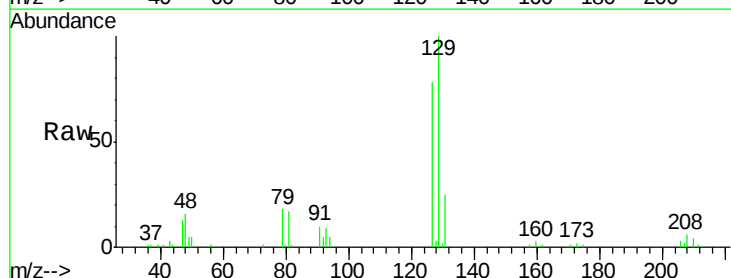
Manual Integrations
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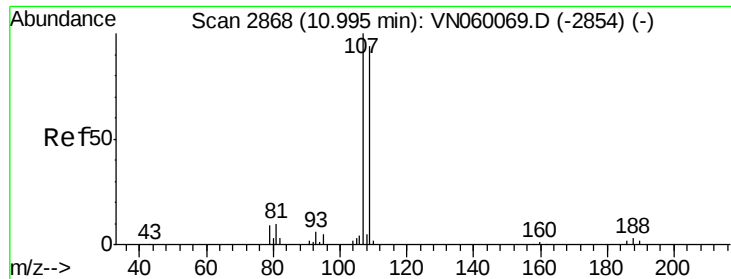
MMDadoda
2/24/2020 11:41:11 AM



#60
Dibromochloromethane
Concen: 18.444 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion: 129 Resp: 40237
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.107 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion:107 Resp: 38077

Ion Ratio Lower Upper

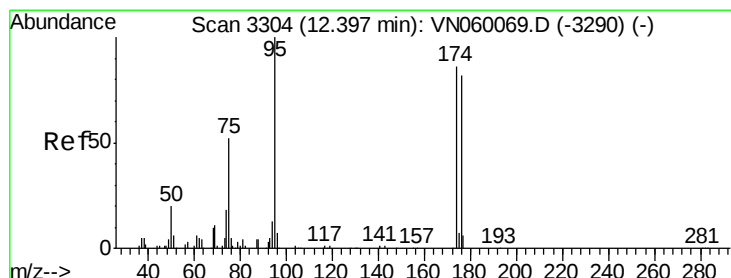
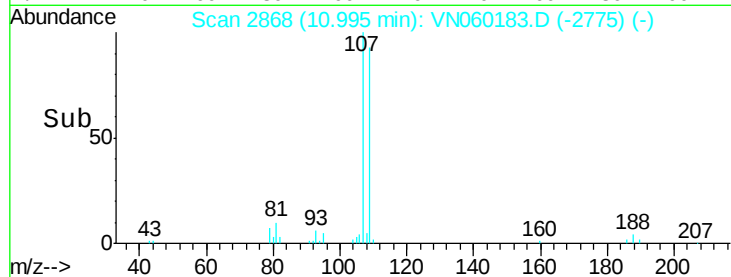
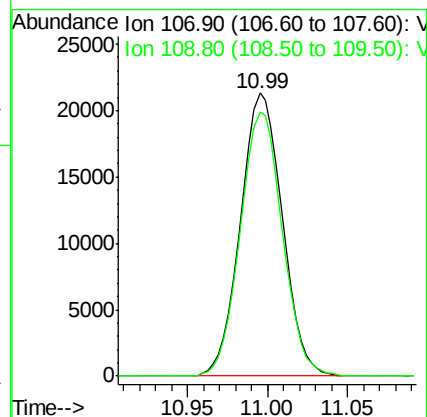
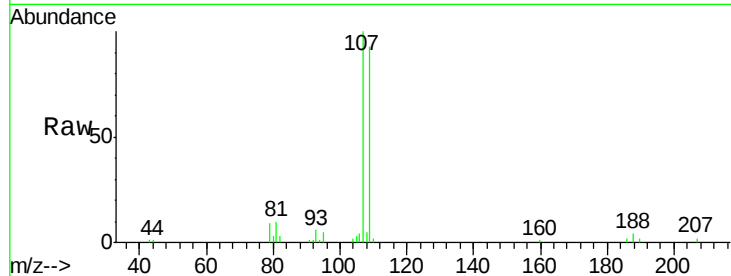
107 100

109 93.8 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 47.911 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

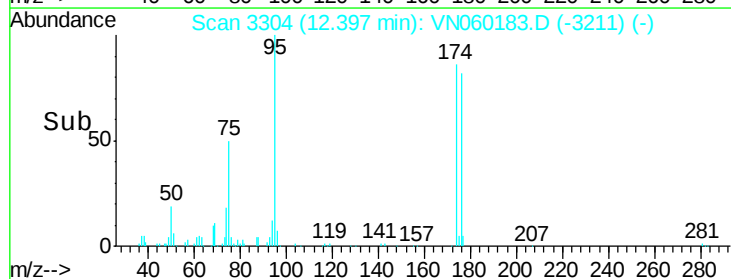
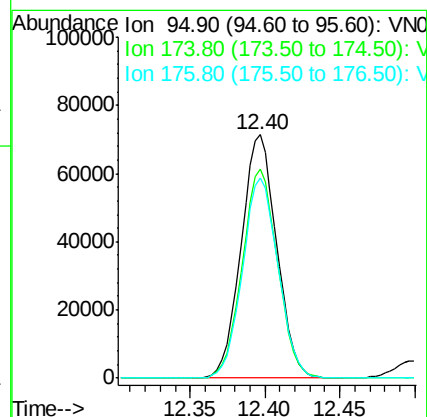
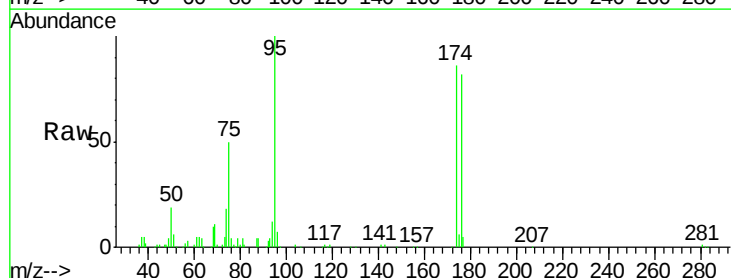
Tgt Ion: 95 Resp: 117862

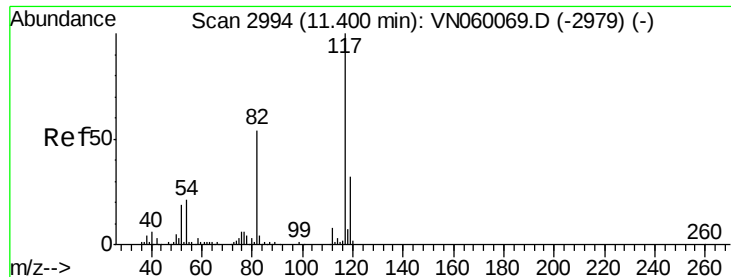
Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.8

176 82.7 0.0 164.8





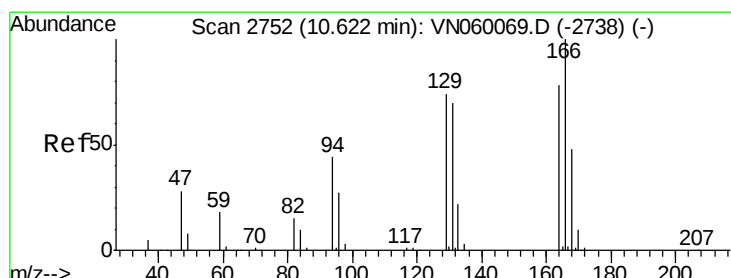
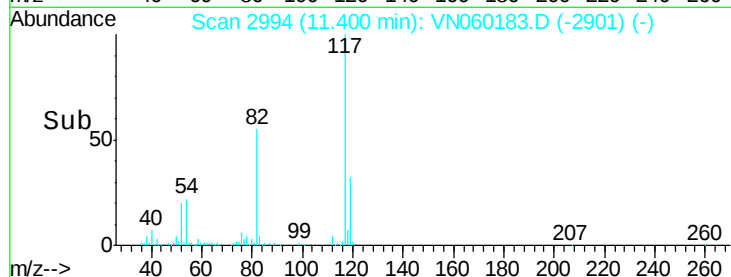
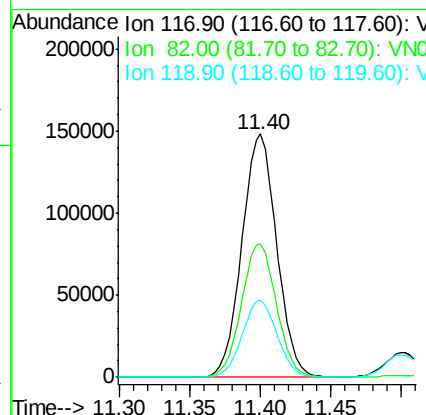
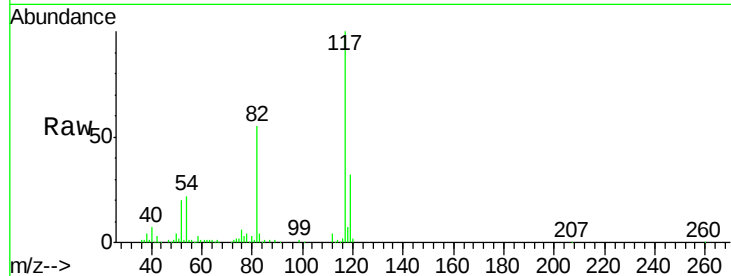
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	25685		
82	55.0	43.4	65.0	
119	31.6	25.8	38.6	

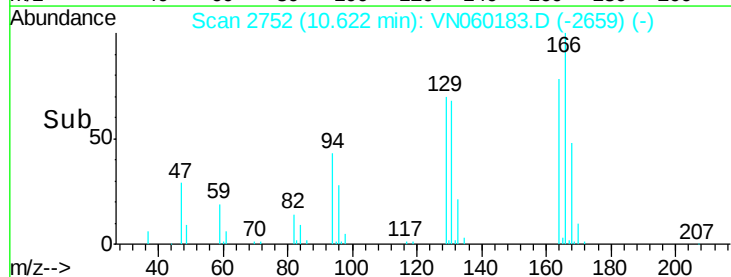
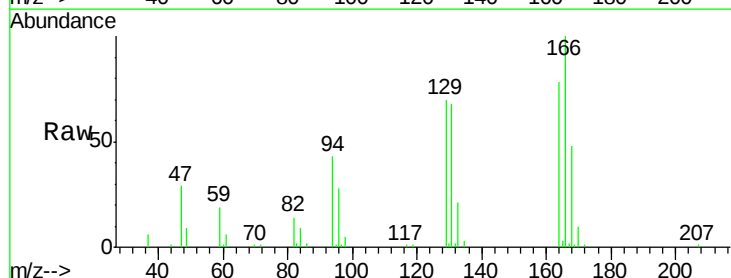
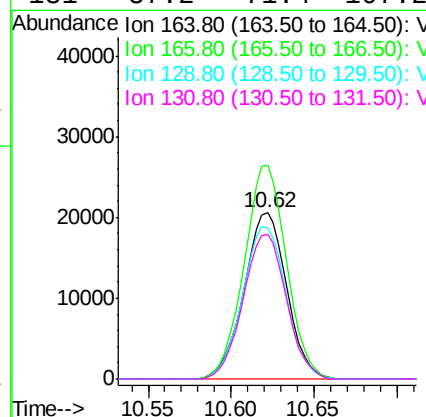
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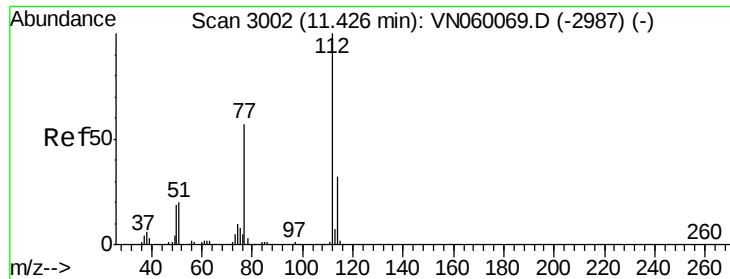
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#64
Tetrachloroethene
Concen: 18.871 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	36822		
166	128.8	101.9	152.9	
129	90.7	75.4	113.0	
131	87.2	71.4	107.2	





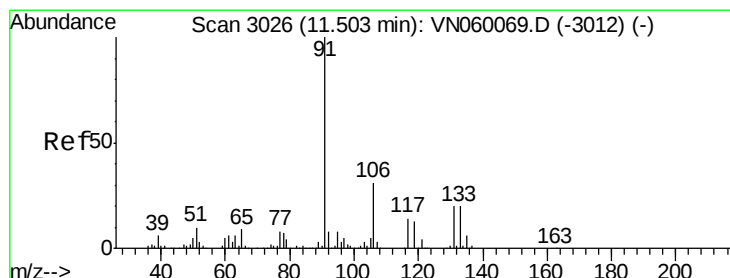
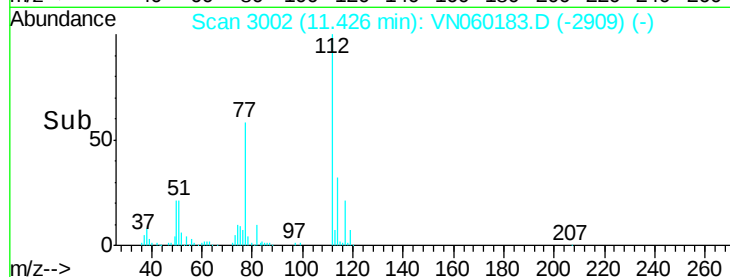
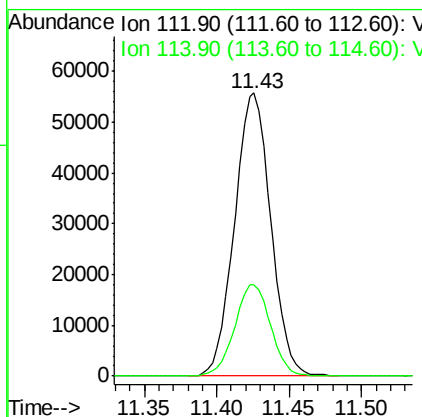
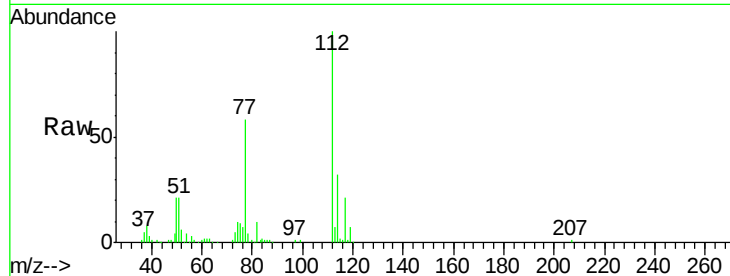
#65
Chlorobenzene
Concen: 18.491 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion:112 Resp: 96698
Ion Ratio Lower Upper
112 100
114 32.4 25.4 38.0

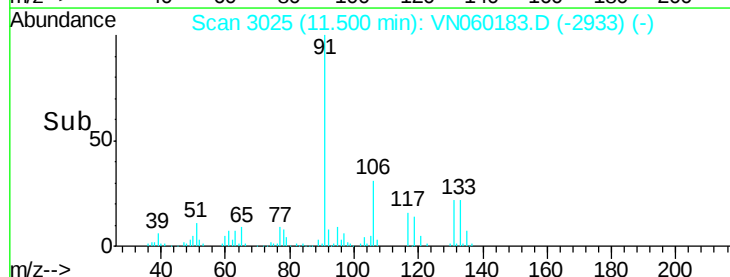
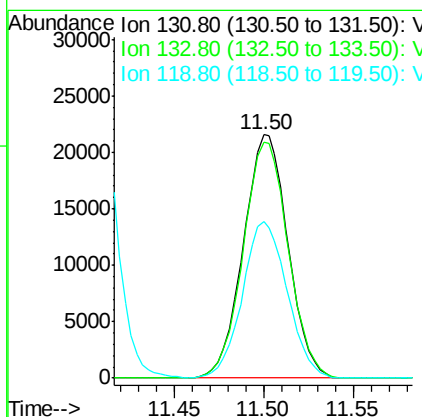
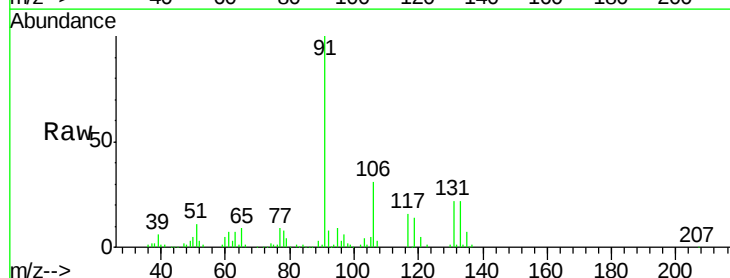
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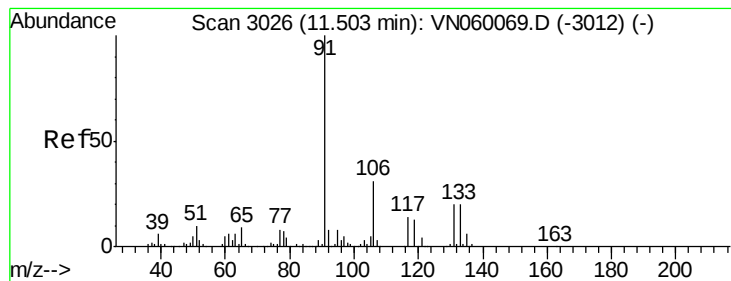
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.044 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion:131 Resp: 37675
Ion Ratio Lower Upper
131 100
133 97.9 47.9 143.7
119 64.6 32.6 97.7





#67

Ethyl Benzene

Concen: 18.507 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampled :

VN0221MBS01

Tot Ion: 91 Resp: 174555

Ion Ratio Lower Upper

91 100

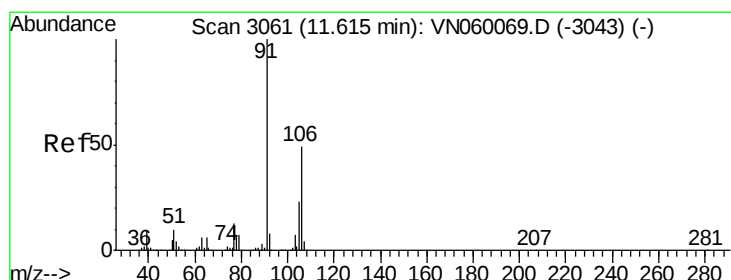
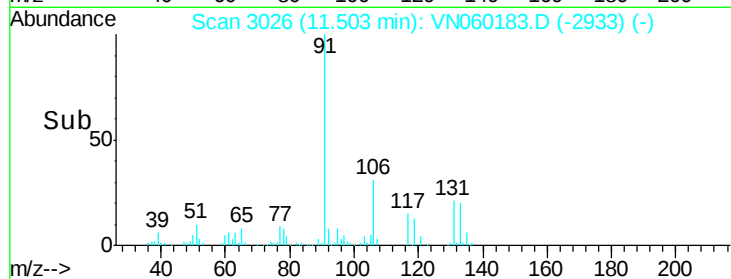
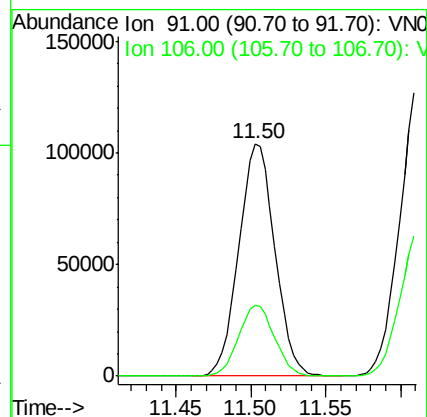
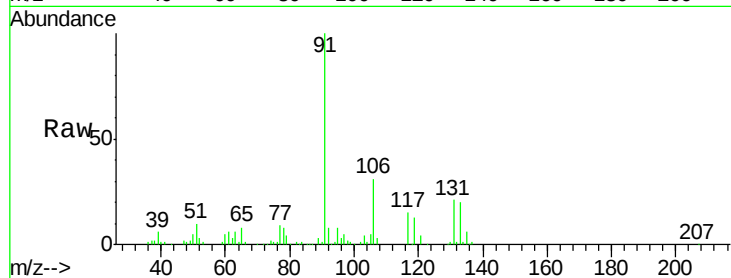
106 30.6 25.1 37.7

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#68

m/p-Xylenes

Concen: 36.969 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060183.D

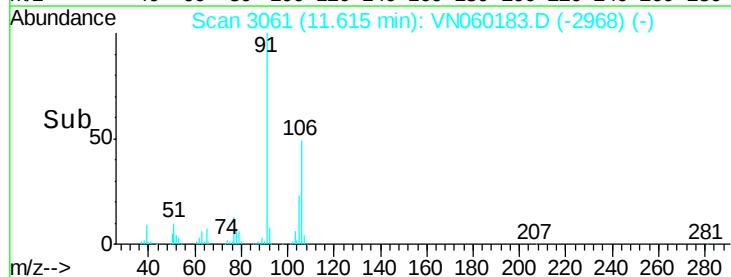
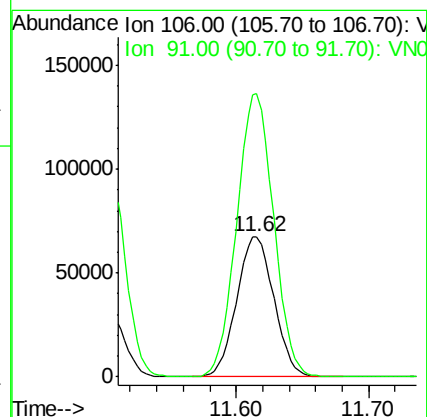
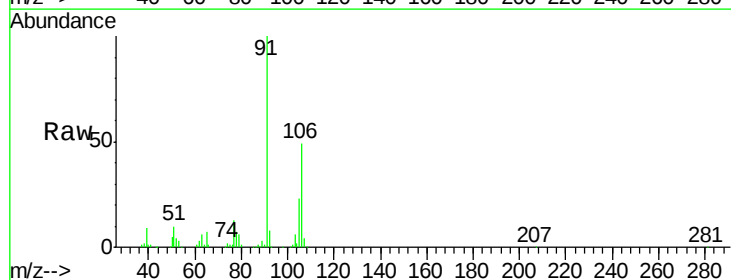
Acq: 21 Feb 2020 12:30

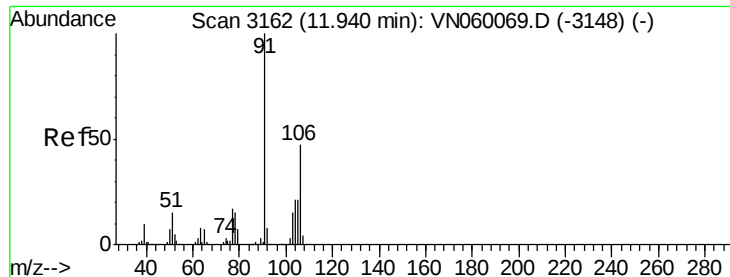
Tgt Ion: 106 Resp: 130867

Ion Ratio Lower Upper

106 100

91 201.6 162.7 244.1





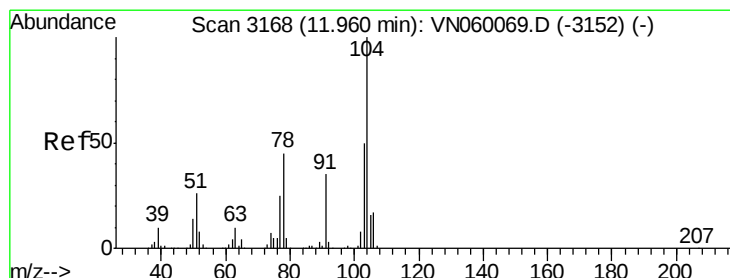
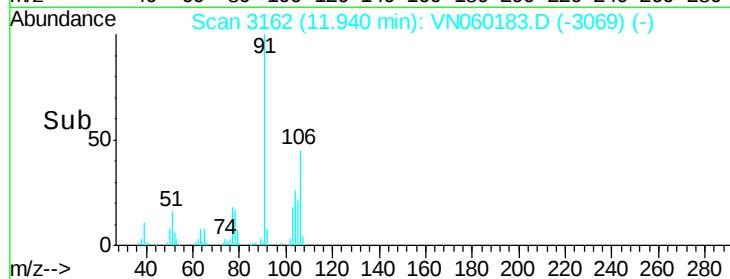
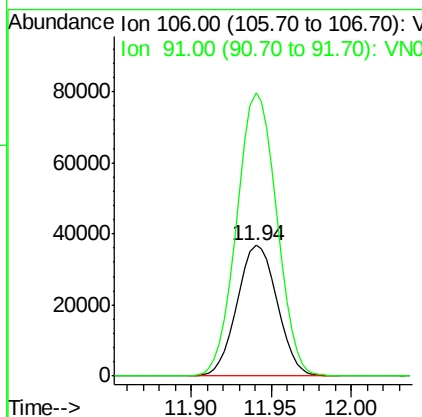
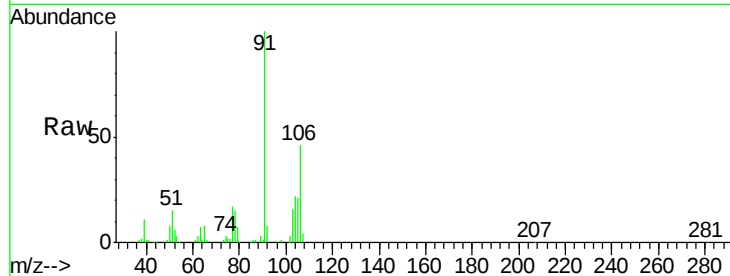
#69
o-Xylene
Concen: 18.468 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion:106 Resp: 62946
Ion Ratio Lower Upper
106 100
91 215.8 107.2 321.6

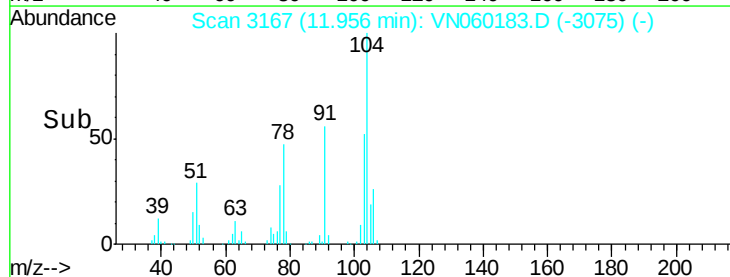
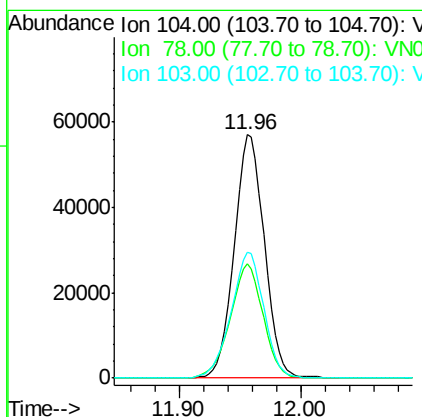
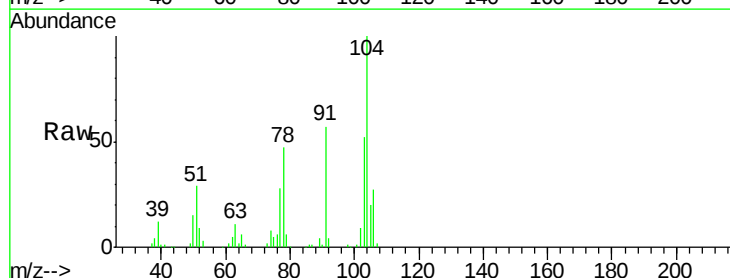
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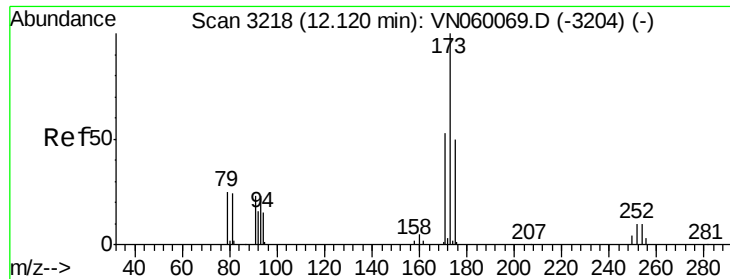
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#70
Styrene
Concen: 17.808 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion:104 Resp: 97876
Ion Ratio Lower Upper
104 100
78 50.9 40.2 60.2
103 56.1 44.3 66.5





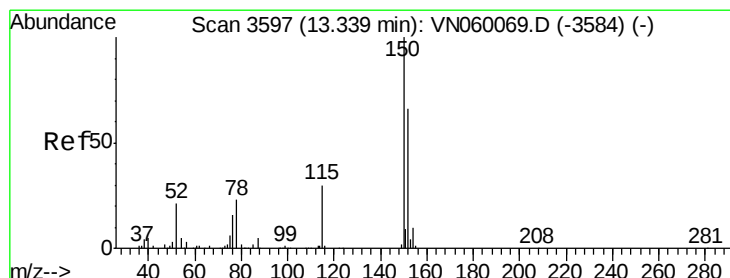
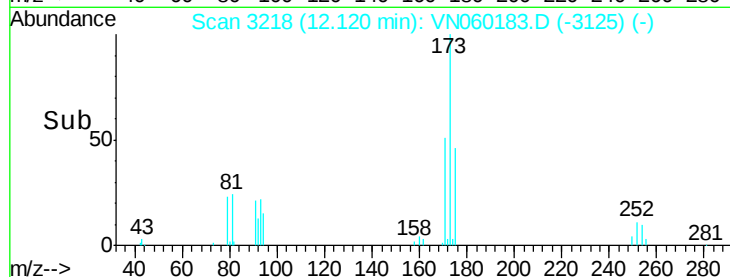
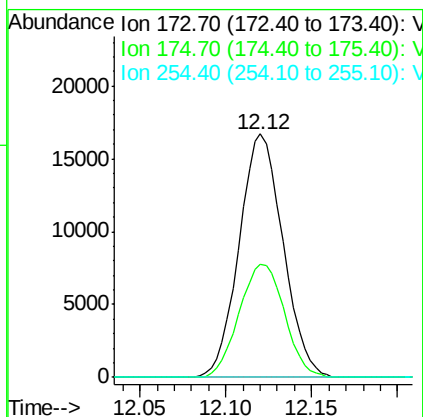
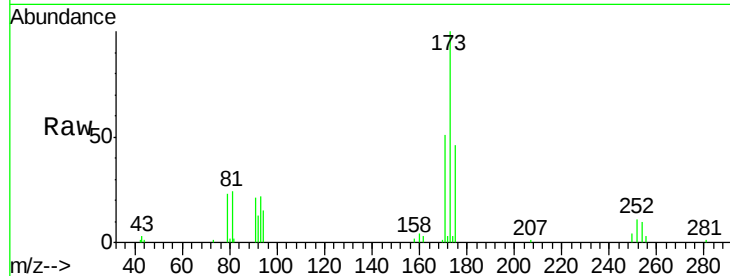
#71
Bromoform
Concen: 18.570 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.9	74.6
254	0.0	0.0	0.0

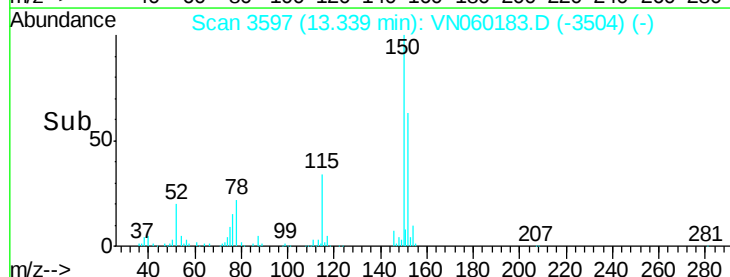
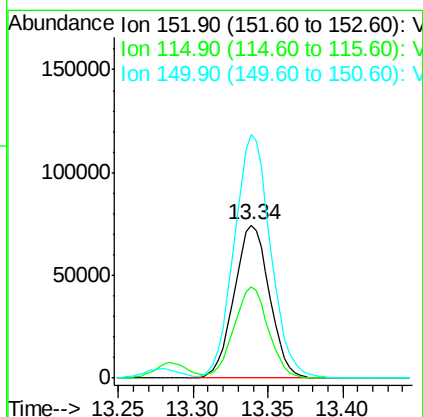
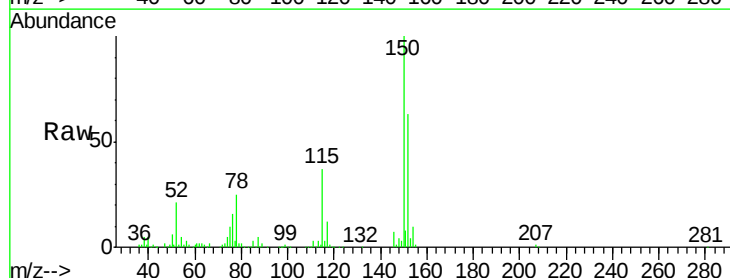
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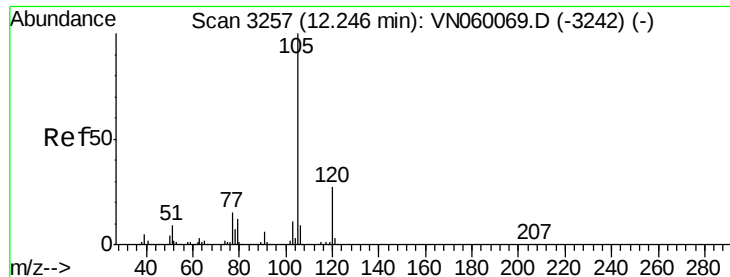
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.8
150	163.8	0.0	342.4





#73

Isopropylbenzene

Concen: 18.434 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 105 Resp: 168753

Ion Ratio Lower Upper

105 100

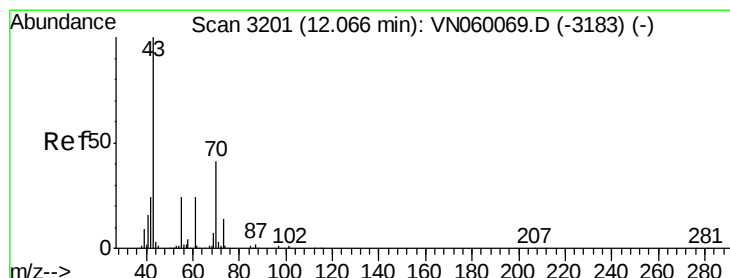
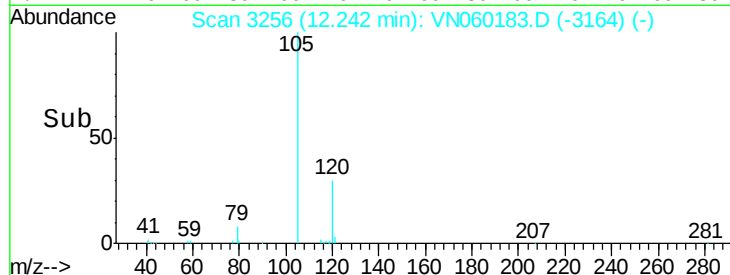
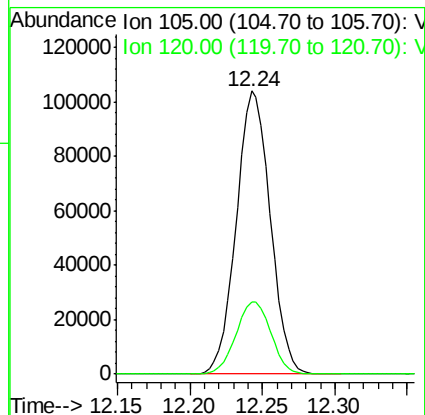
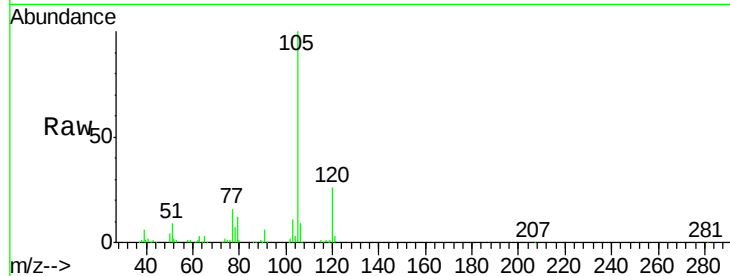
120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 18.578 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion: 43 Resp: 61324

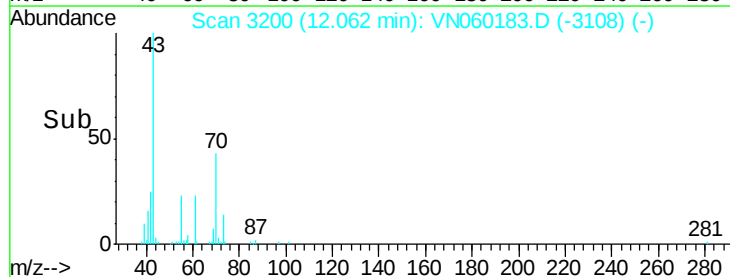
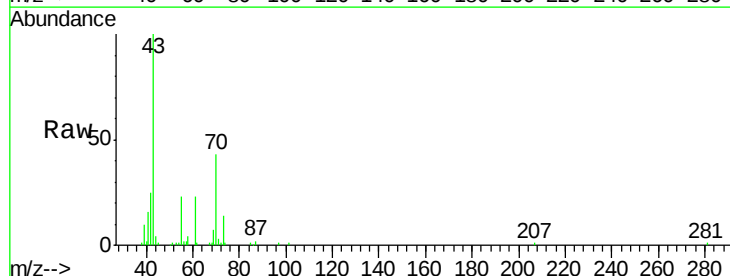
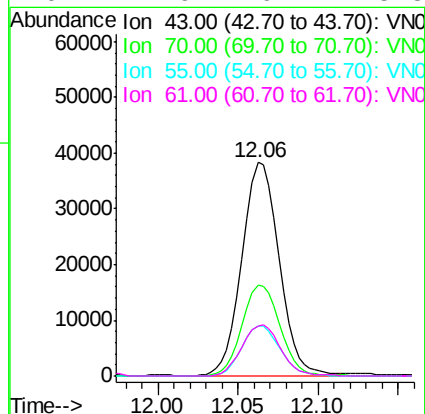
Ion Ratio Lower Upper

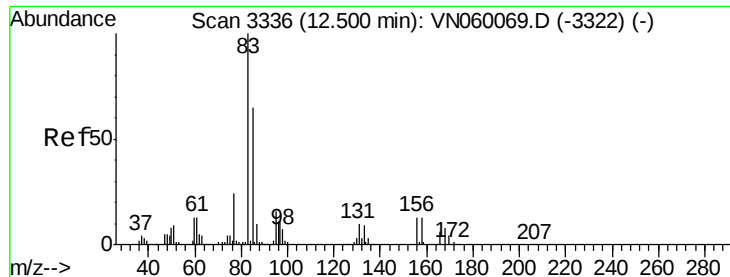
43 100

70 43.2 33.4 50.0

55 23.9 18.8 28.2

61 24.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.421 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

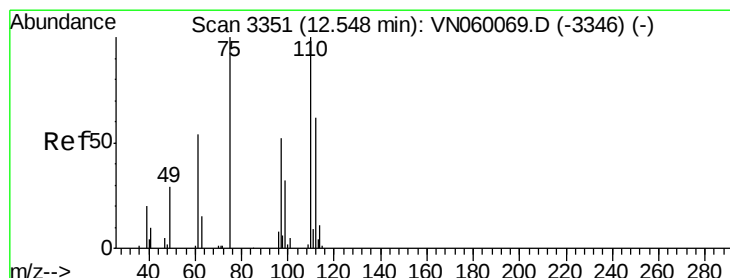
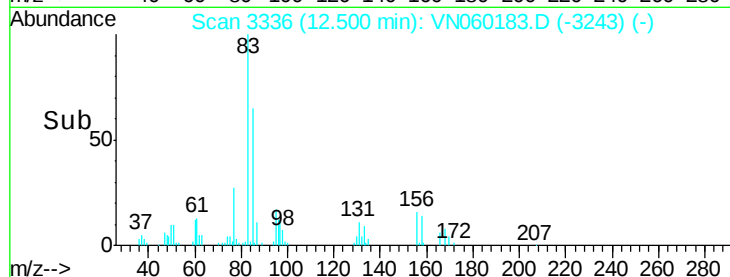
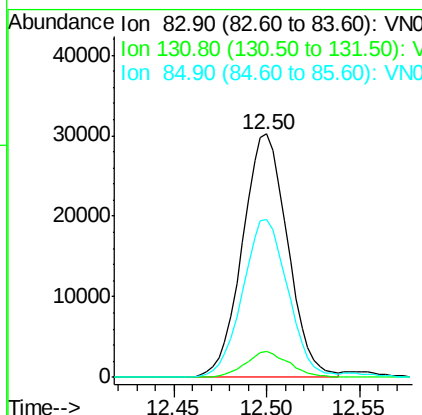
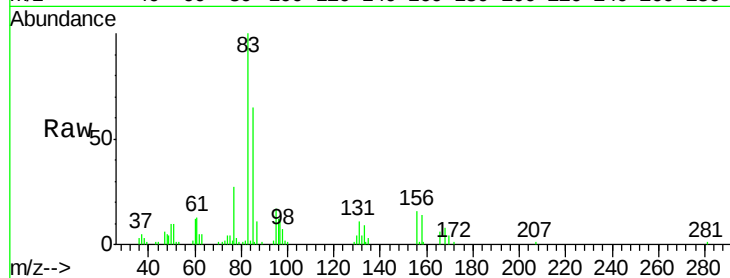
ClientSampleId :

VN0221MBS01

Tot Ion:	83	Resp:	51172
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	65.1	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.328 ug/l m

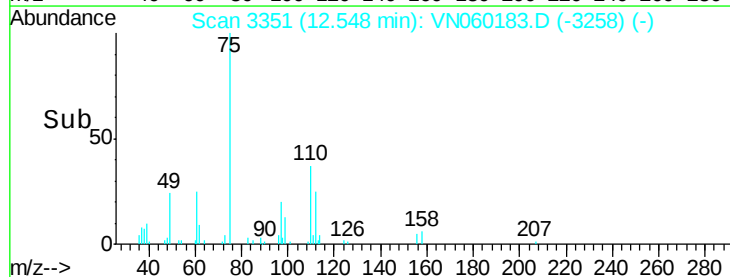
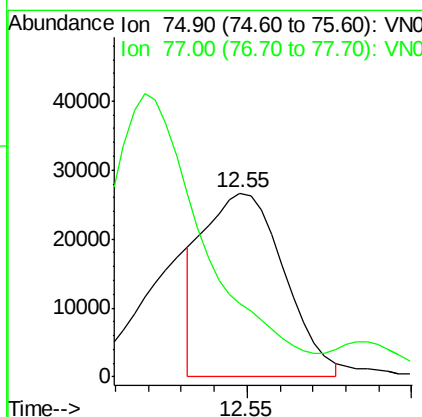
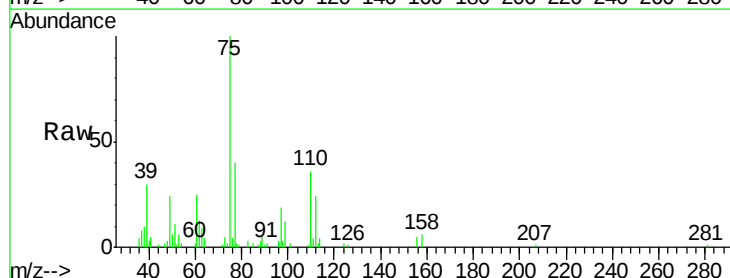
RT: 12.55 min Scan# 3351

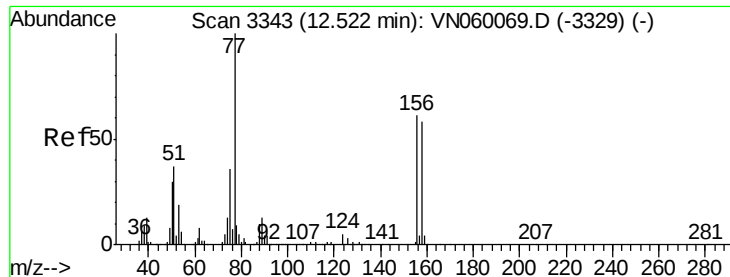
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	75	Resp:	45332
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.095 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

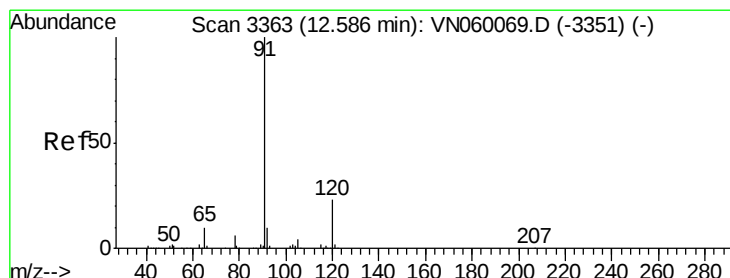
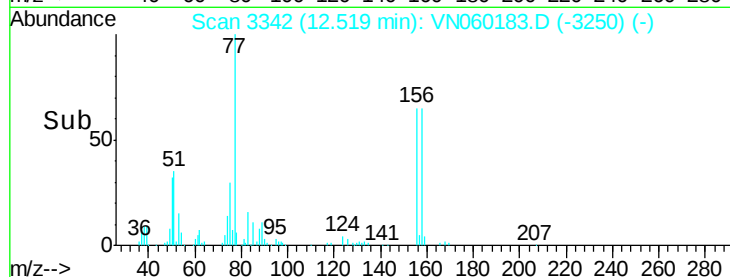
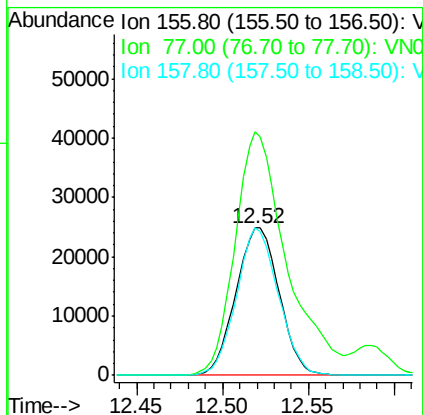
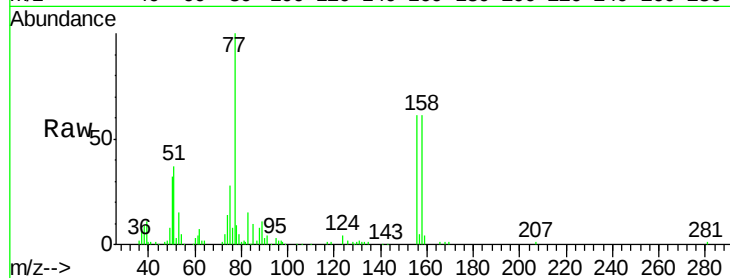
ClientSampleId :

VN0221MBS01

Tot Ion:	156	Resp:	43380
Ion Ratio	Lower	Upper	
156	100		
77	197.5	98.7	296.1
158	96.4	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.171 ug/l

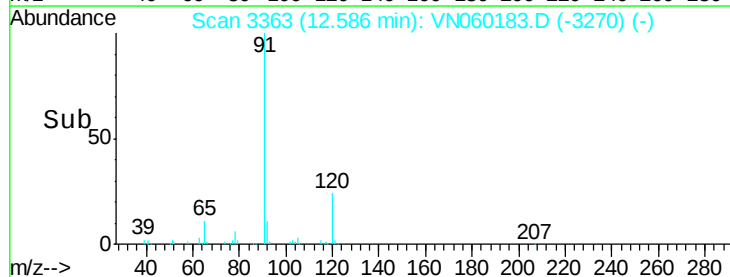
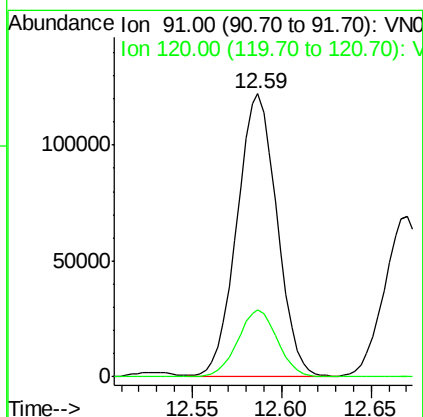
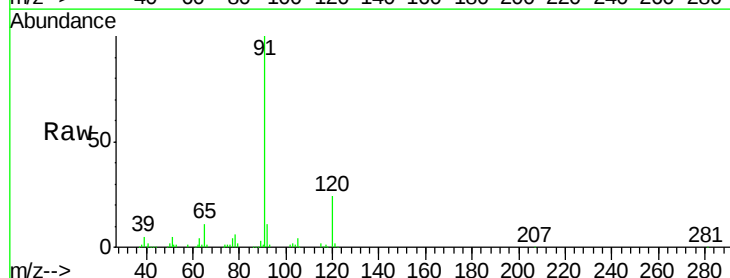
RT: 12.59 min Scan# 3363

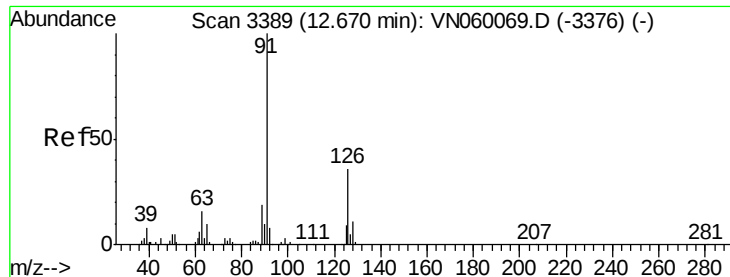
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	91	Resp:	189520
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.381 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 91 Resp: 112678

Ion Ratio Lower Upper

91 100

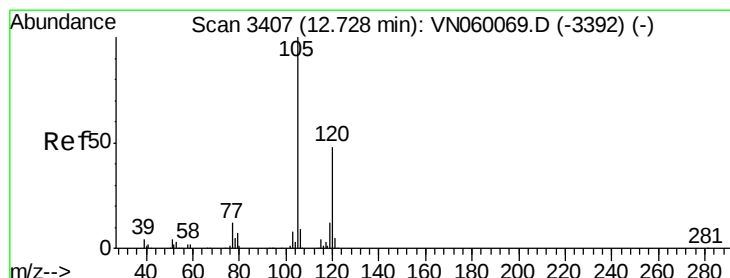
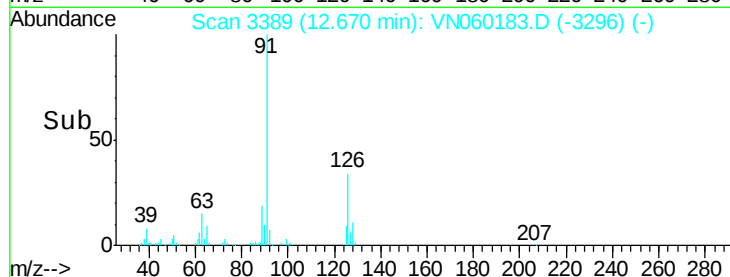
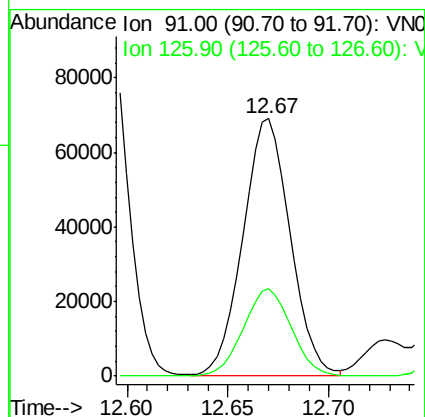
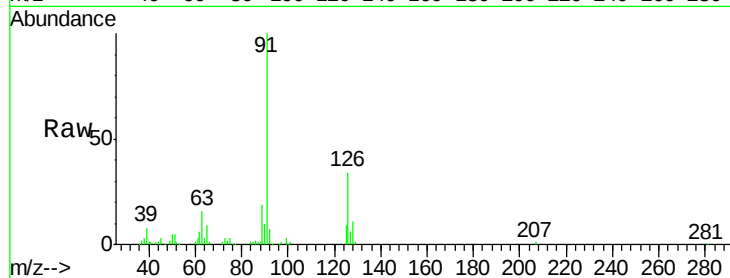
126 34.6 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 18.564 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060183.D

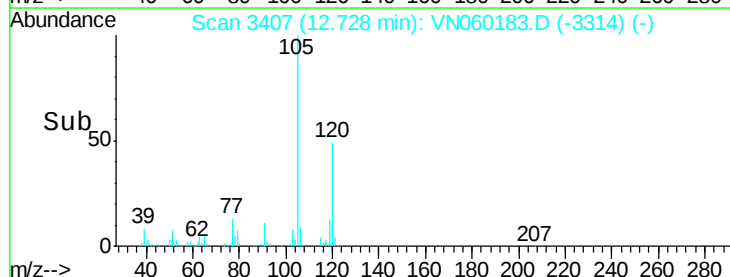
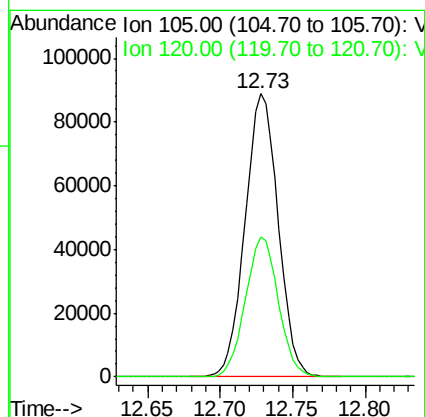
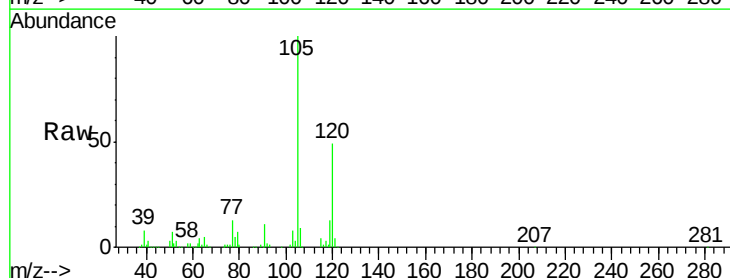
Acq: 21 Feb 2020 12:30

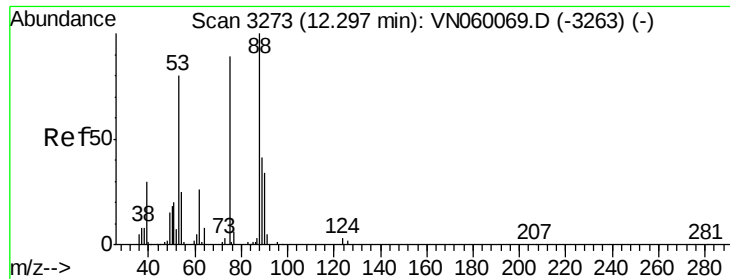
Tgt Ion: 105 Resp: 141293

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.9





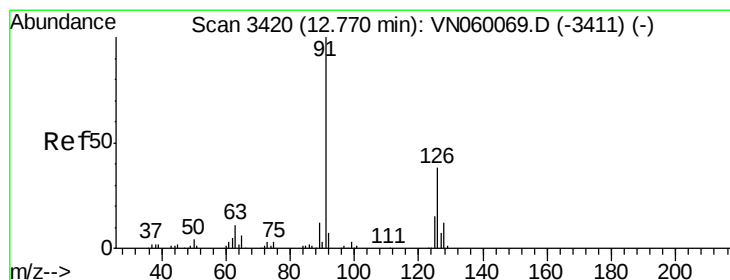
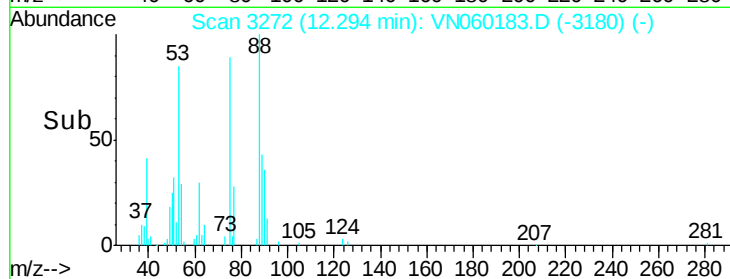
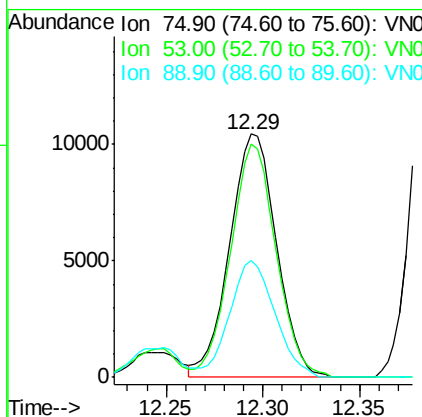
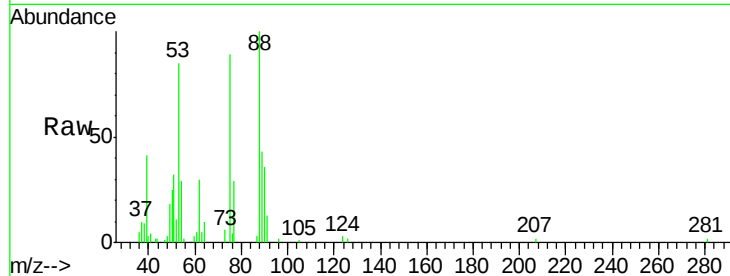
#81
trans-1,4-Dichloro-2-butene
Concen: 18.410 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.1	73.9	110.9
89	45.9	37.0	55.4

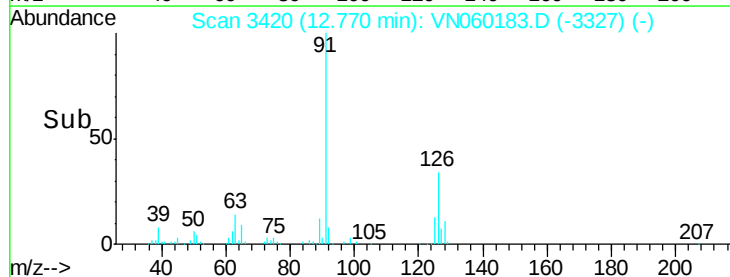
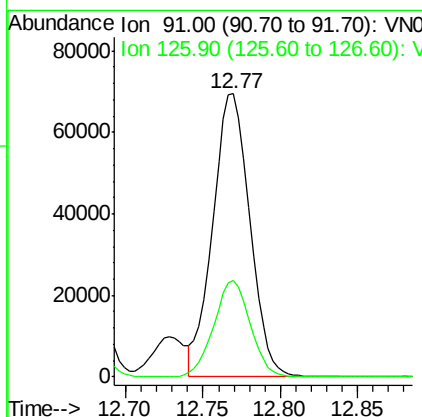
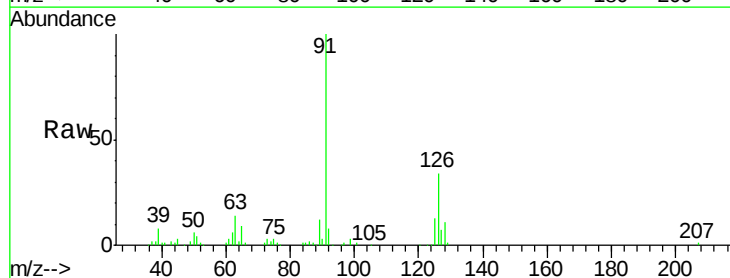
Manual Integrations
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#82
4-Chlorotoluene
Concen: 18.439 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.167 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

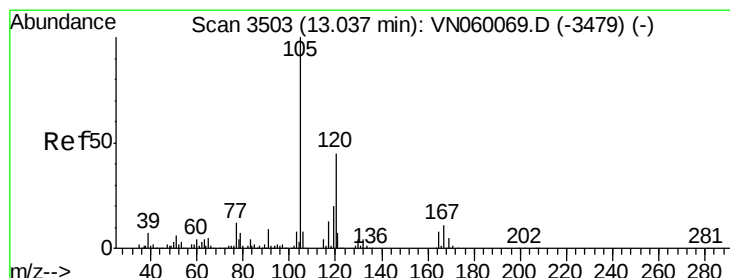
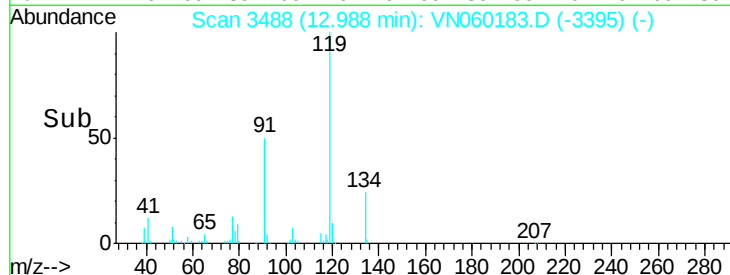
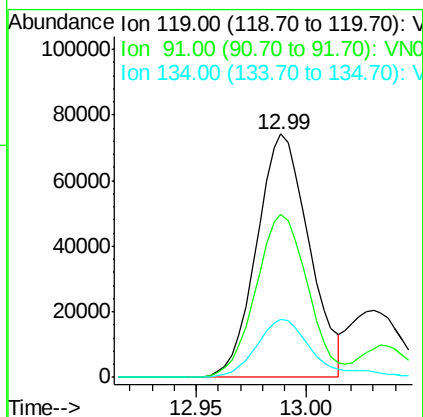
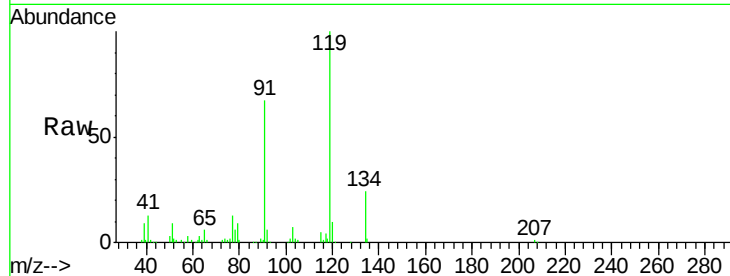
ClientSampleId :

VN0221MBS01

Tot Ion:	119	Resp:	122322
Ion Ratio	Lower	Upper	
119	100		
91	66.4	32.7	98.1
134	25.7	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 18.947 ug/l

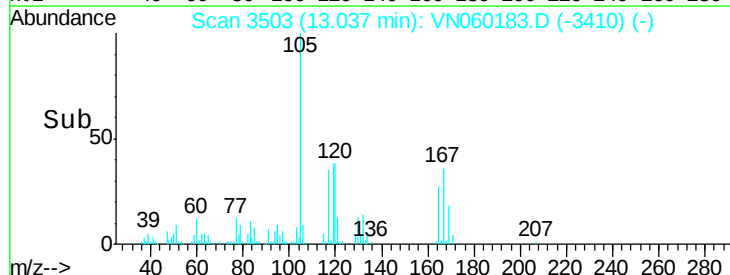
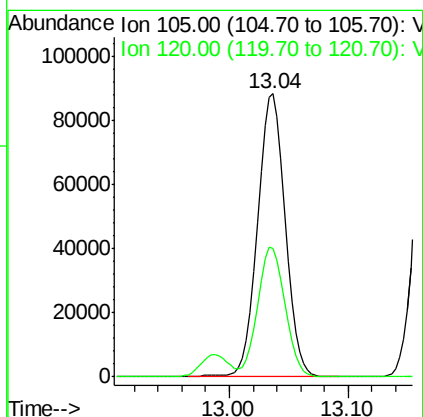
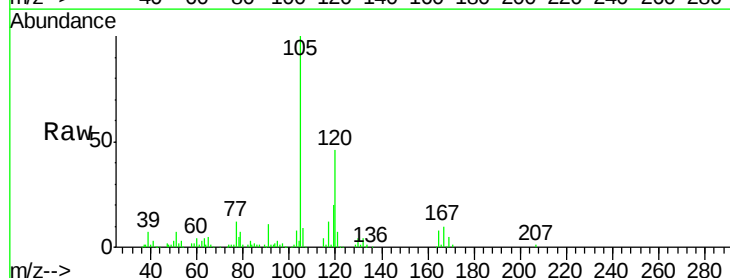
RT: 13.04 min Scan# 3503

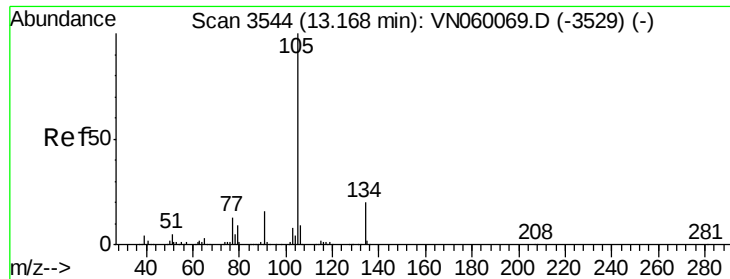
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	105	Resp:	142352
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 18.289 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

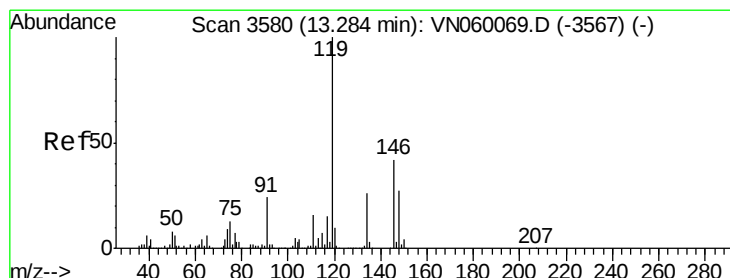
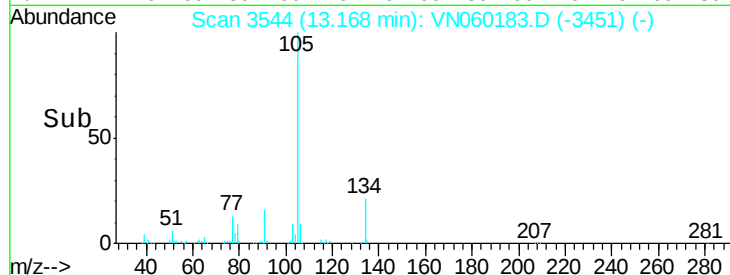
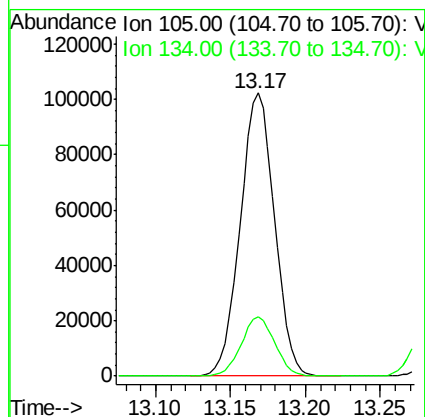
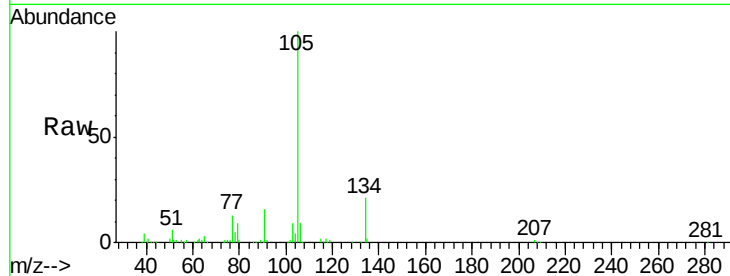
ClientSampleId :

VN0221MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 18.379 ug/l

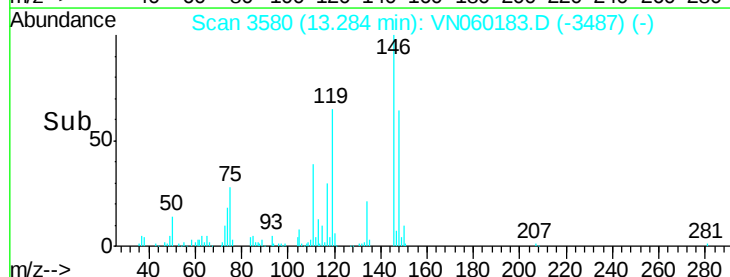
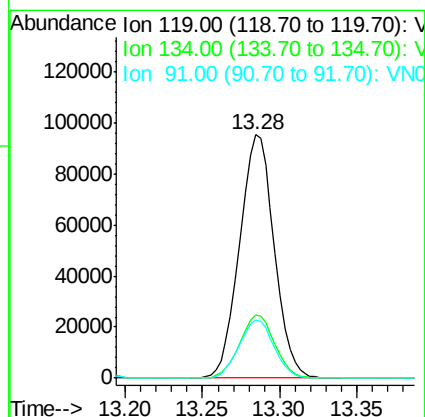
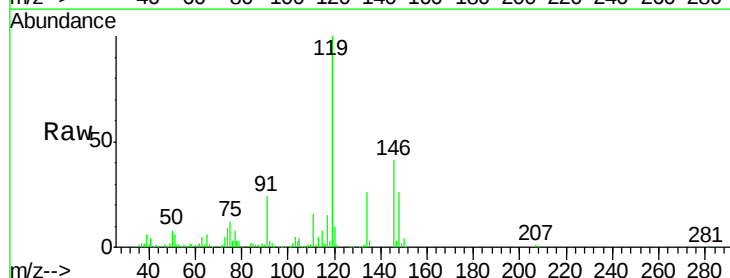
RT: 13.28 min Scan# 3580

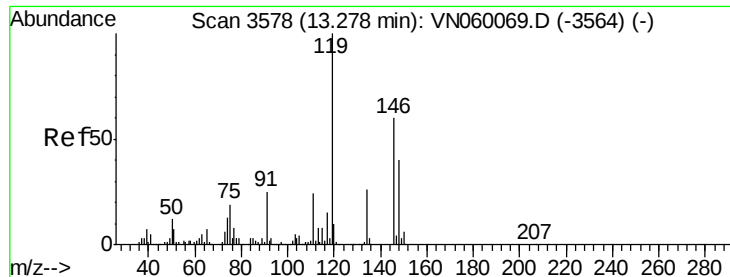
Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	24.1	11.9	35.9





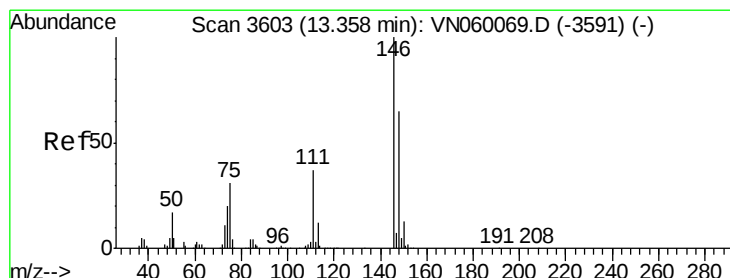
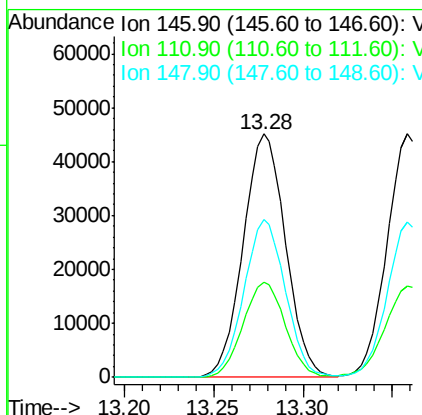
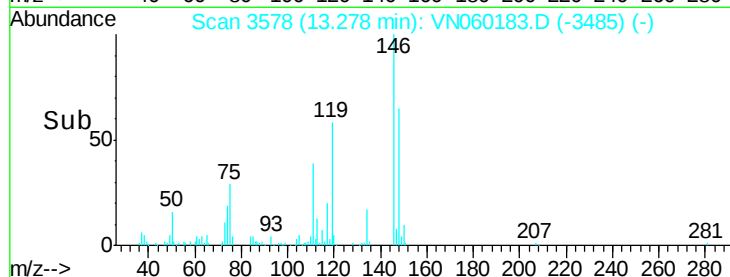
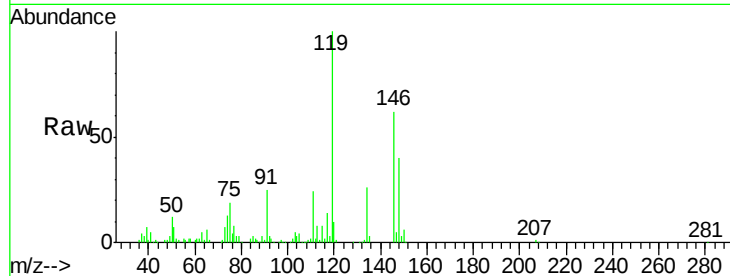
#87
 1,3-Dichlorobenzene
 Concen: 18.706 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.8	59.3
148	63.3	32.0	96.2

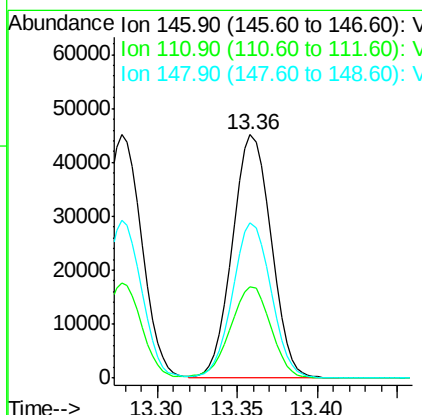
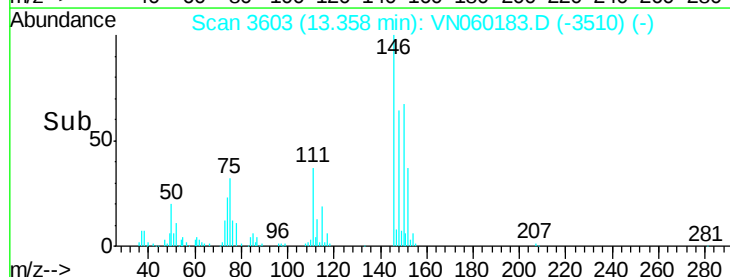
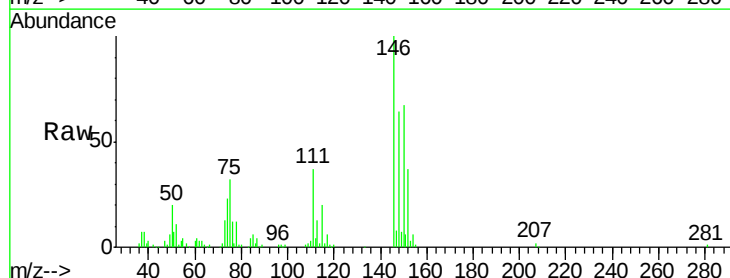
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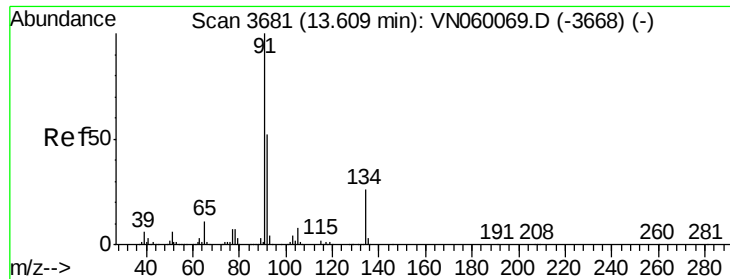
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#88
 1,4-Dichlorobenzene
 Concen: 18.636 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.5
148	63.3	32.0	96.0





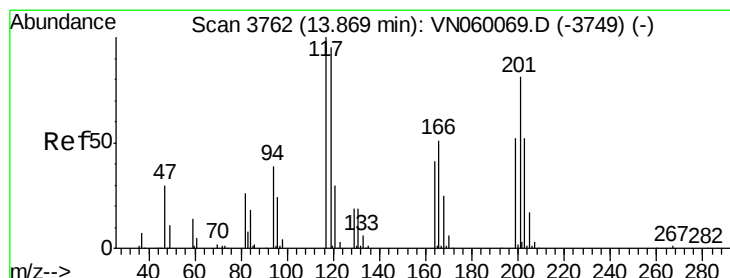
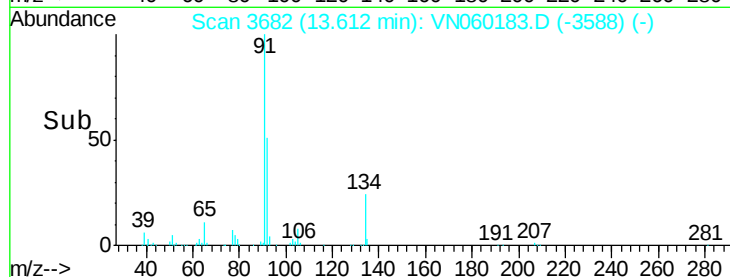
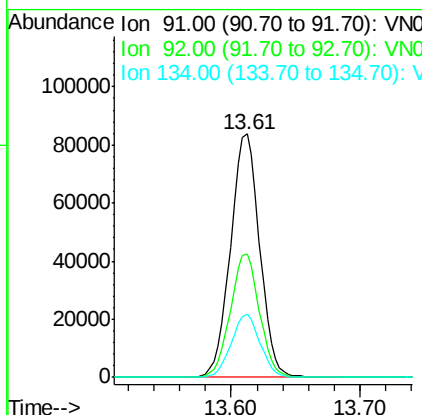
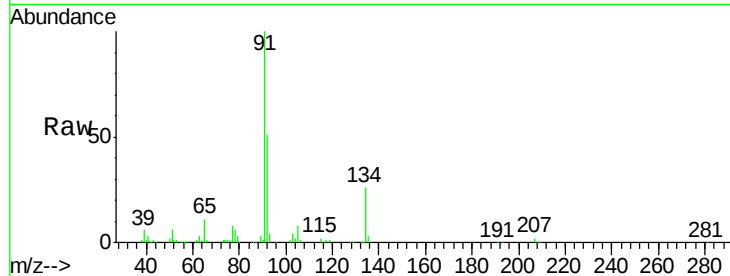
#89
n-Butylbenzene
Concen: 18.461 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	26.1	78.2
134	25.6	13.1	39.3

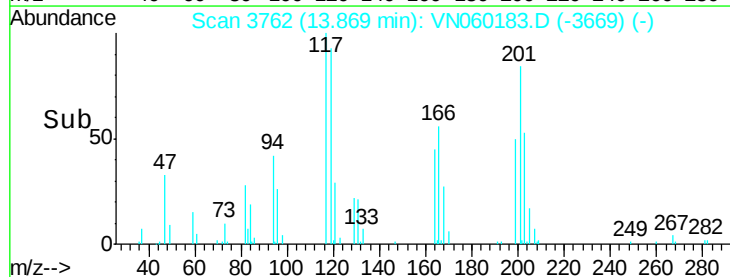
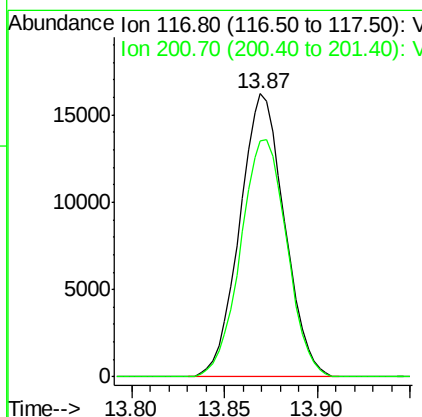
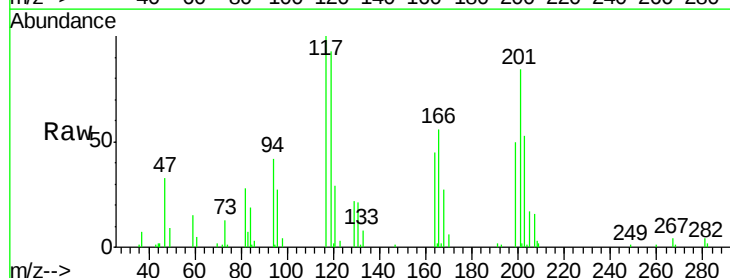
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#90
Hexachloroethane
Concen: 18.014 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 18.880 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Instrument :

MSVOA_N

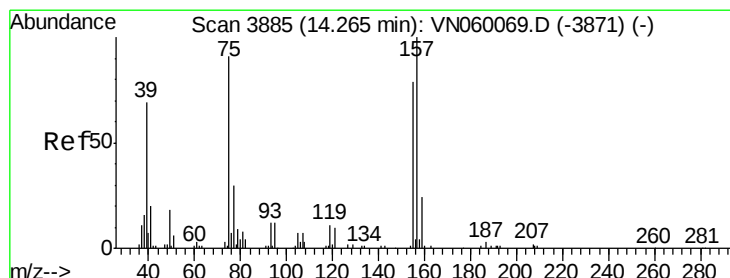
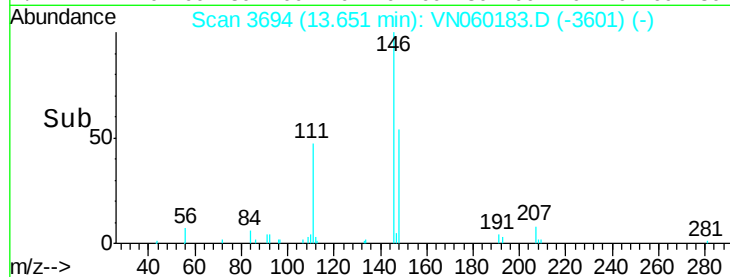
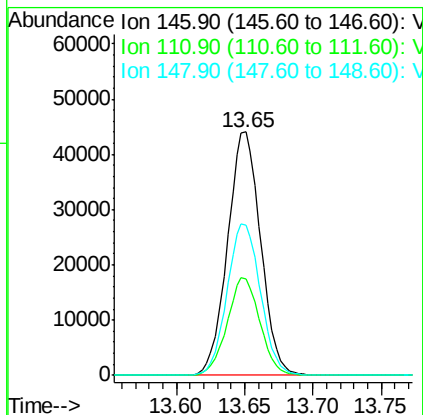
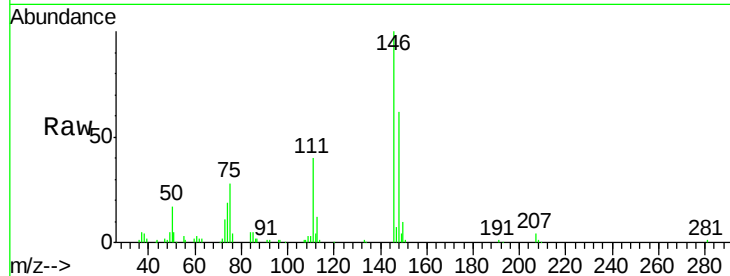
ClientSampleId :

VN0221MBS01

Tot Ion:	146	Resp:	74301
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.1	60.2
148	62.6	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.342 ug/l

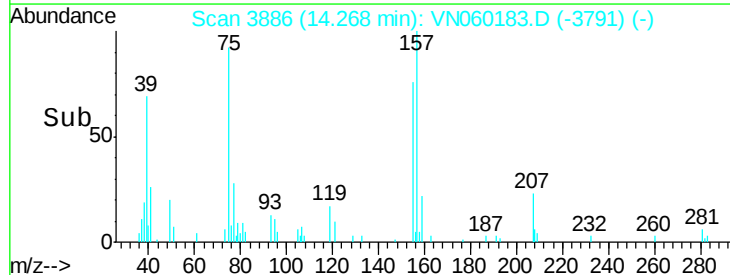
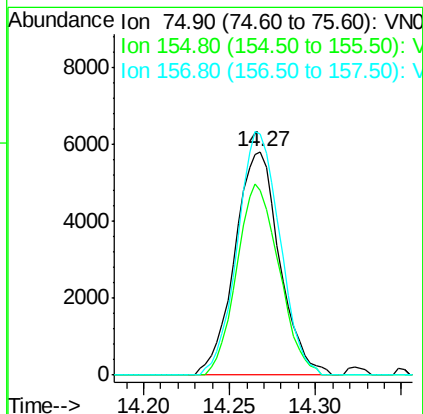
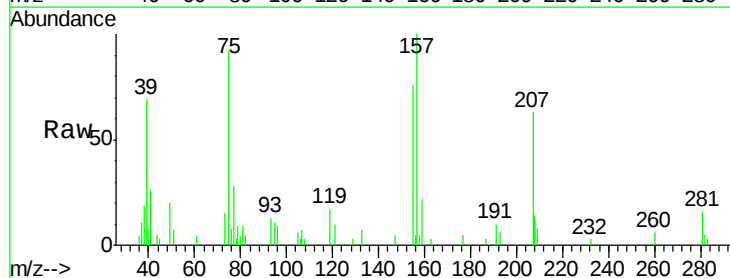
RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060183.D

Acq: 21 Feb 2020 12:30

Tgt Ion:	75	Resp:	10550
Ion Ratio	Lower	Upper	
75	100		
155	80.5	43.0	129.0
157	102.9	54.9	164.5





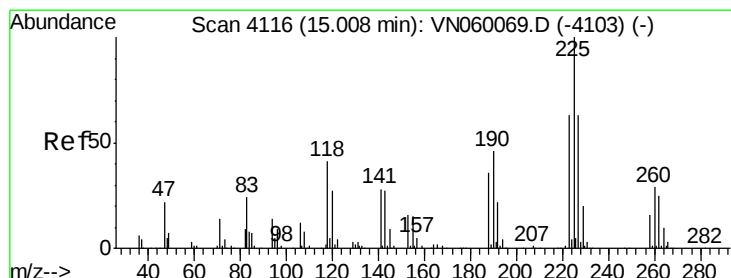
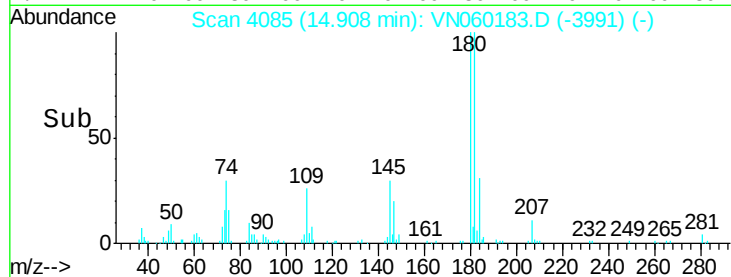
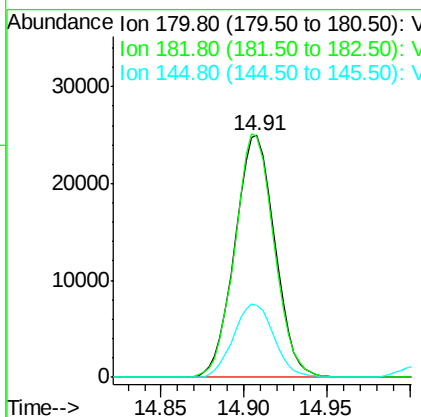
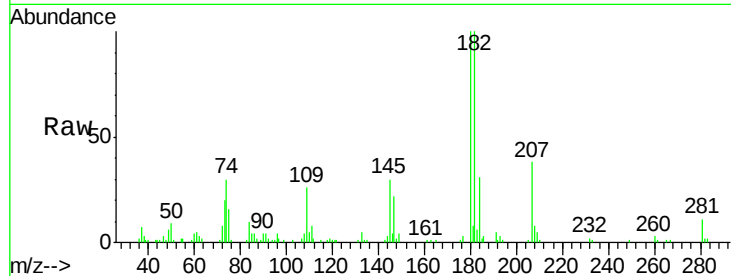
#93
 1,2,4-Trichlorobenzene
 Concen: 18.191 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42065		
182	98.5	47.9	143.8	
145	30.5	15.2	45.5	

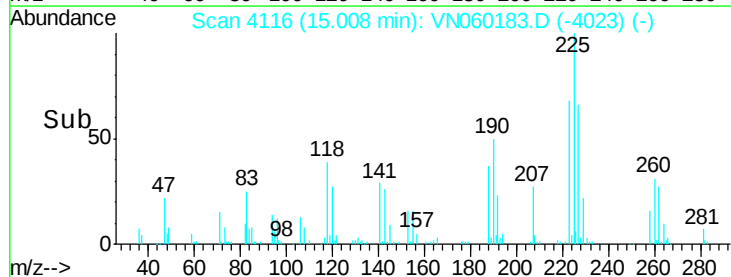
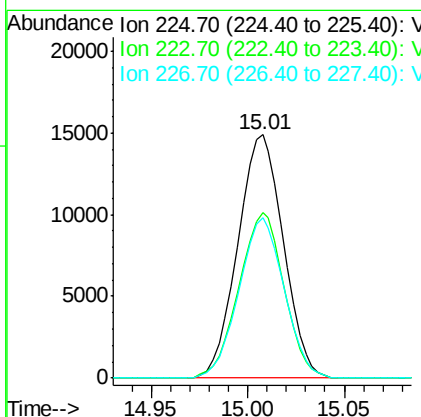
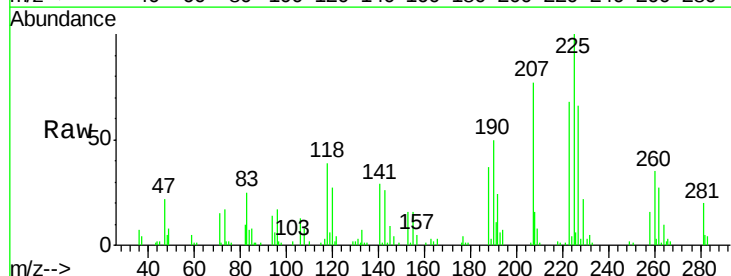
Manual Integrations
 APPROVED

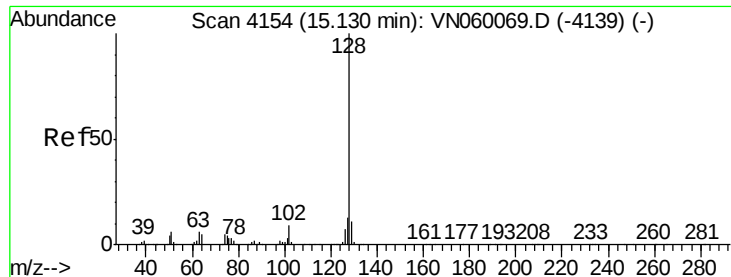
MMDadoda
 2/24/2020 11:41:11 AM



#94
 Hexachlorobutadiene
 Concen: 18.001 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060183.D
 Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24369		
223	67.3	31.5	94.5	
227	65.2	31.8	95.4	





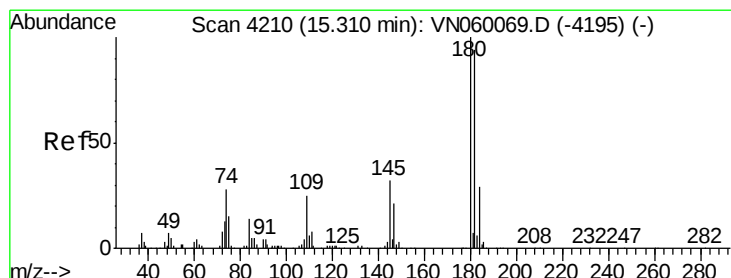
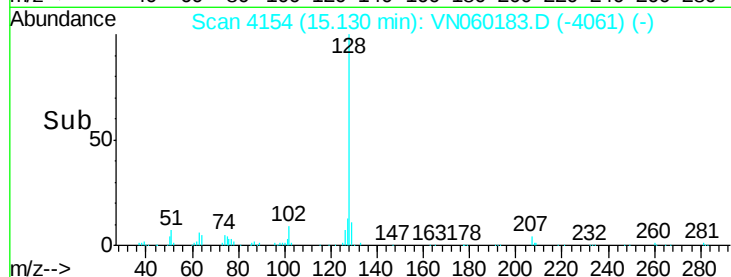
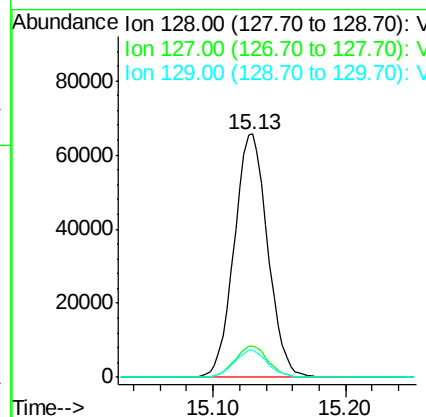
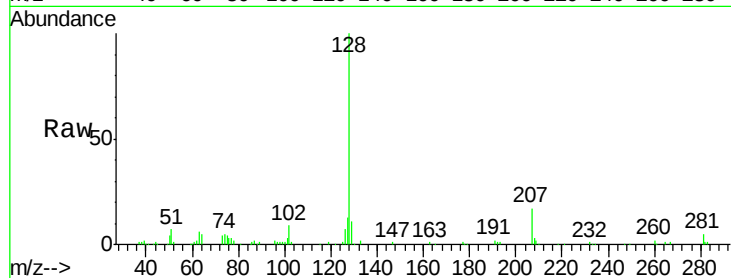
#95
Naphthalene
Concen: 18.401 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	114939		
127	12.9	10.3	15.5	
129	11.0	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:41:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.627 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060183.D
Acq: 21 Feb 2020 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	42893		
182	94.6	47.5	142.5	
145	32.1	16.1	48.3	

