

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060189.D
 Acq On : 21 Feb 2020 15:03
 Operator : JC/MD
 Sample : VN0221MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:41:21 AM

Quant Time: Feb 21 23:09:50 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	176363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	275591	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	111388	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
35) Dibromofluoromethane	7.56	113	88166	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
50) Toluene-d8	10.08	98	329858	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	12.39	95	120886	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32539	18.458	ug/l	100
3) Chloromethane	2.04	50	37566	17.907	ug/l	98
4) Vinyl Chloride	2.17	62	43281	18.100	ug/l	99
5) Bromomethane	2.55	94	27463	18.730	ug/l	99
6) Chloroethane	2.69	64	22681	18.753	ug/l	97
7) Trichlorofluoromethane	3.00	101	56802	18.424	ug/l	98
8) Diethyl Ether	3.38	74	20621	20.093	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31614	18.470	ug/l	99
10) Methyl Iodide	3.93	142	41506	19.635	ug/l	99
11) Tert butyl alcohol	4.72	59	30749	95.748	ug/l	99
12) 1,1-Dichloroethene	3.72	96	31060	18.627	ug/l	97
13) Acrolein	3.58	56	25082	79.016	ug/l	95
14) Allyl chloride	4.29	41	47693	19.433	ug/l	95
15) Acrylonitrile	4.94	53	80613	102.787	ug/l	98
16) Acetone	3.78	43	75250	80.388	ug/l	99
17) Carbon Disulfide	4.03	76	85647	17.041	ug/l	100
18) Methyl Acetate	4.29	43	37007	21.045	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	111151	19.822	ug/l	98
20) Methylene Chloride	4.52	84	35971	19.261	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34833	19.164	ug/l	93
22) Diisopropyl ether	5.91	45	108510	20.174	ug/l	99
23) Vinyl Acetate	5.86	43	451814	100.029	ug/l	100
24) 1,1-Dichloroethane	5.82	63	63849	19.596	ug/l	99
25) 2-Butanone	6.80	43	107138	91.003	ug/l	98
26) 2,2-Dichloropropane	6.79	77	58104	18.775	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	41072	19.308	ug/l	99
28) Bromochloromethane	7.17	49	24615	19.216	ug/l	98
29) Tetrahydrofuran	7.18	42	70203	97.200	ug/l	98
30) Chloroform	7.35	83	66986	19.626	ug/l	99
31) Cyclohexane	7.63	56	56913	18.751	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	59221	18.987	ug/l	100
36) 1,1-Dichloropropene	7.77	75	47947	18.783	ug/l	99
37) Ethyl Acetate	6.89	43	46269	20.056	ug/l	99
38) Carbon Tetrachloride	7.75	117	51461	18.563	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58441	18.443	ug/l	100
40) Benzene	8.02	78	145032	19.153	ug/l	99
41) Methacrylonitrile	7.15	41	21204m	21.917	ug/l	
42) 1,2-Dichloroethane	8.10	62	54472	20.525	ug/l	99
43) Isopropyl Acetate	8.14	43	78533	19.914	ug/l #	92
44) Trichloroethene	8.81	130	39896	19.028	ug/l	95
45) 1,2-Dichloropropane	9.10	63	38067	20.306	ug/l	99
46) Dibromomethane	9.19	93	26310	19.860	ug/l	99
47) Bromodichloromethane	9.38	83	54087	20.082	ug/l	99
48) Methyl methacrylate	9.18	41	33280	18.809	ug/l	98
49) 1,4-Dioxane	9.18	88	12421	410.864	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	226745	99.335	ug/l	100
52) Toluene	10.14	92	91945	18.935	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	58898	19.373	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63577	19.860	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	38307	20.222	ug/l	99
56) Ethyl methacrylate	10.42	69	51276	19.134	ug/l	96
57) 1,3-Dichloropropane	10.70	76	62129	19.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	123320	98.780	ug/l	98
59) 2-Hexanone	10.74	43	162714	92.279	ug/l	100
60) Dibromochloromethane	10.89	129	42038	19.338	ug/l	99
61) 1,2-Dibromoethane	10.99	107	37811	19.041	ug/l	97
64) Tetrachloroethene	10.62	164	37213	19.107	ug/l	97
65) Chlorobenzene	11.42	112	98516	18.874	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	38922	19.711	ug/l	98
67) Ethyl Benzene	11.50	91	179949	19.115	ug/l	100
68) m/p-Xylenes	11.61	106	134123	37.960	ug/l	100
69) o-Xylene	11.94	106	65152	19.151	ug/l	100
70) Styrene	11.96	104	102841	18.746	ug/l	100
71) Bromoform	12.12	173	30014	18.898	ug/l #	98
73) Isopropylbenzene	12.24	105	176321	18.903	ug/l	100
74) N-amyl acetate	12.06	43	65076	19.348	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	52486	19.550	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46135m	19.305	ug/l	
77) Bromobenzene	12.52	156	43912	18.970	ug/l	98
78) n-propylbenzene	12.59	91	199057	18.731	ug/l	100
79) 2-Chlorotoluene	12.67	91	117490	18.810	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	145767	18.796	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18203	18.650	ug/l	98
82) 4-Chlorotoluene	12.77	91	120310	18.774	ug/l	99
83) tert-Butylbenzene	12.99	119	128341	18.707	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	147558	19.275	ug/l	99
85) sec-Butylbenzene	13.17	105	168562	18.552	ug/l	100
86) p-Isopropyltoluene	13.28	119	153075	18.595	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	76957	18.782	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	76559	18.688	ug/l	98
89) n-Butylbenzene	13.61	91	135618	18.730	ug/l	99
90) Hexachloroethane	13.87	117	27460	17.856	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	75842	18.913	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10554	17.994	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	43860	18.615	ug/l	99
94) Hexachlorobutadiene	15.00	225	25686	18.622	ug/l	99
95) Naphthalene	15.13	128	115662	18.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44031	18.766	ug/l	98

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

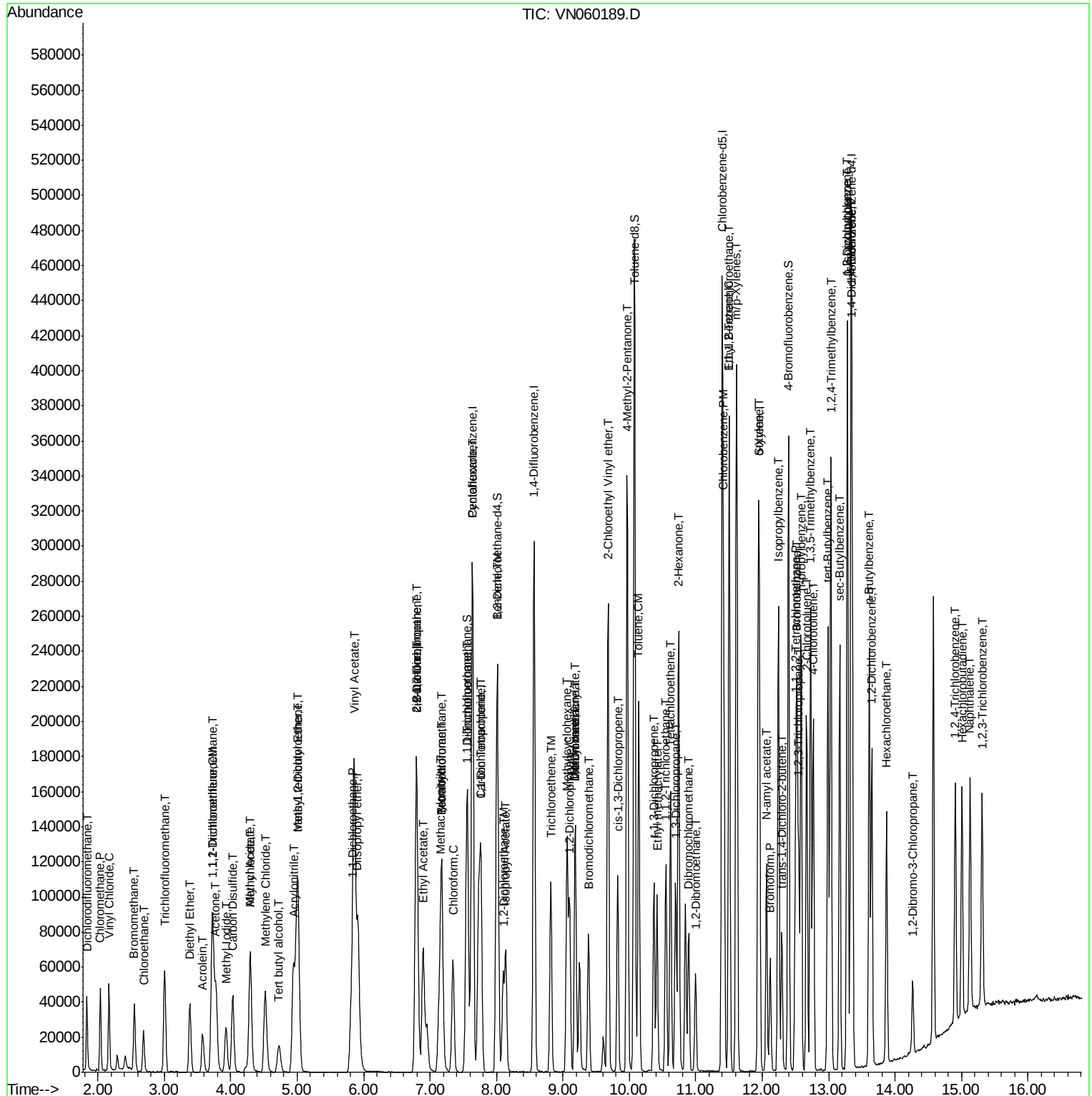
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 Data File : VN060189.D
 Acq On : 21 Feb 2020 15:03
 Operator : JC/MD
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 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
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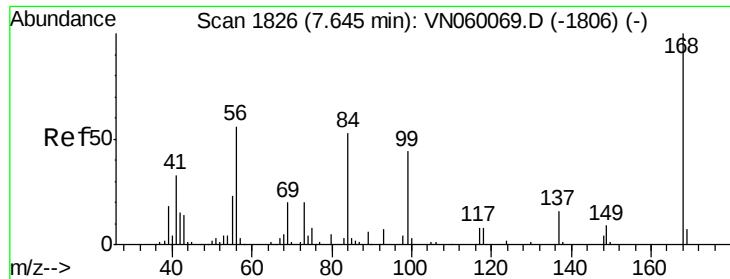
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion:168 Resp: 176363

Ion Ratio Lower Upper

168 100

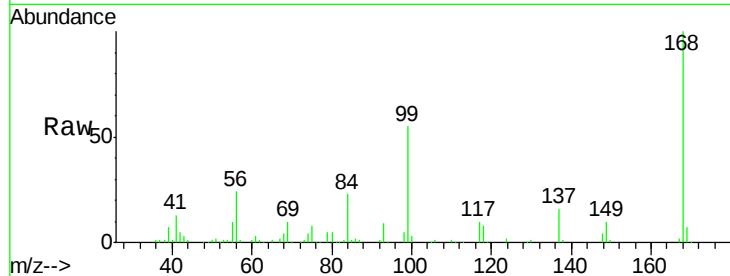
99 55.3 42.7 64.1

Manual Integrations

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2/24/2020 11:41:21 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

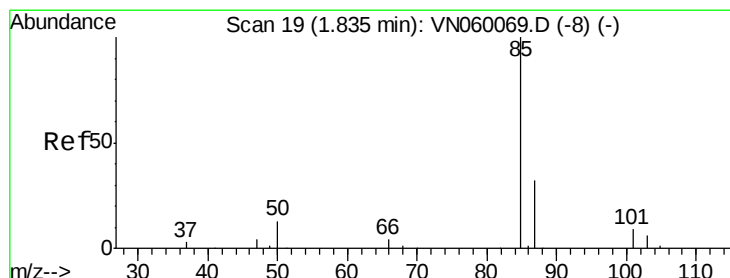
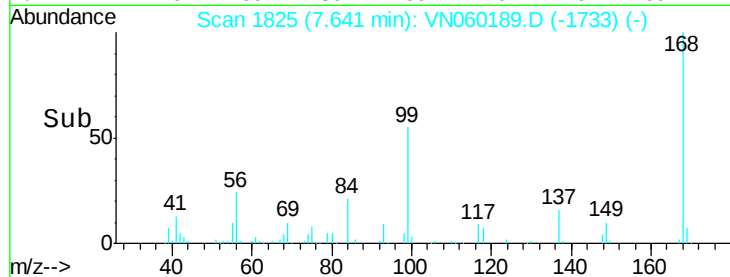
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.458 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060189.D

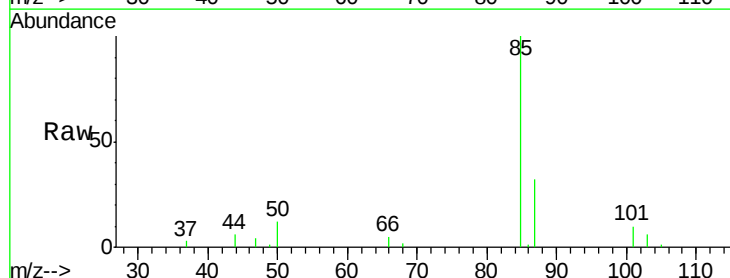
Acq: 21 Feb 2020 15:03

Tgt Ion: 85 Resp: 32539

Ion Ratio Lower Upper

85 100

87 32.1 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

25000

20000

15000

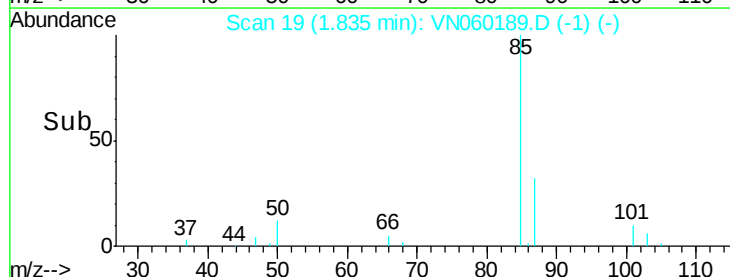
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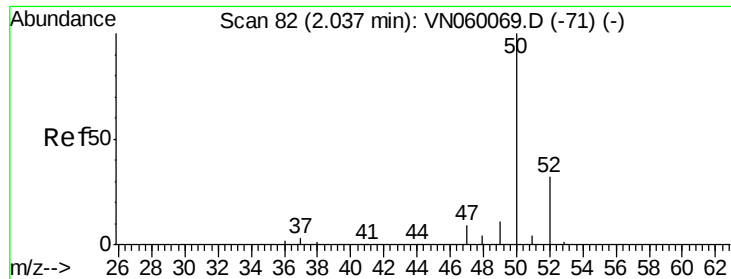
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.907 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 50 Resp: 37566

Ion Ratio Lower Upper

50 100

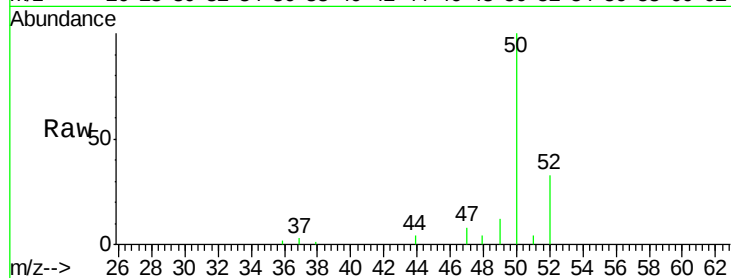
52 33.2 25.6 38.4

Manual Integrations

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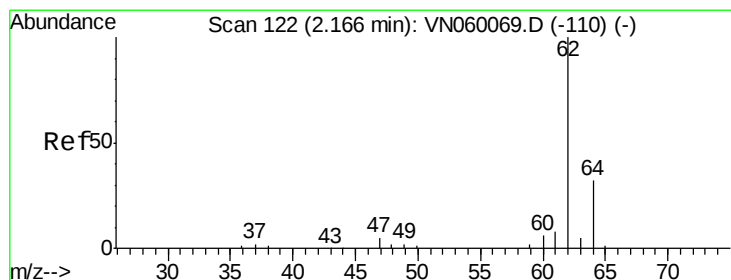
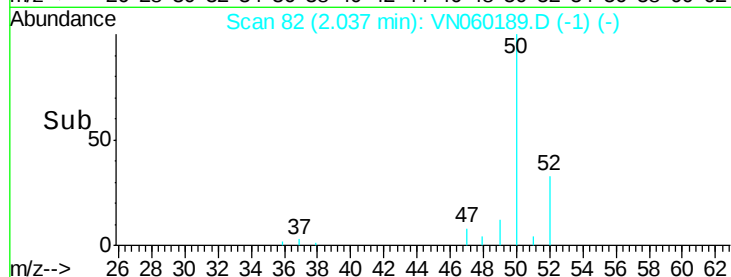
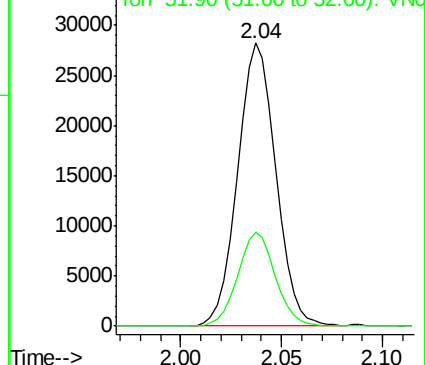
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.100 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060189.D

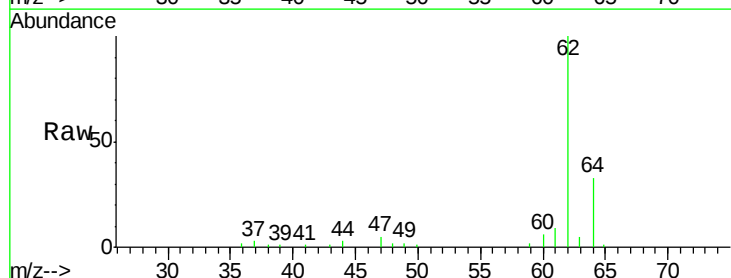
Acq: 21 Feb 2020 15:03

Tgt Ion: 62 Resp: 43281

Ion Ratio Lower Upper

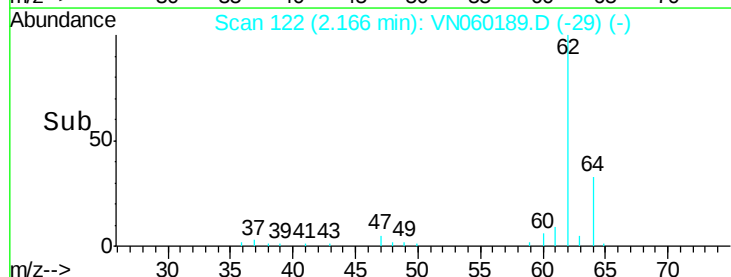
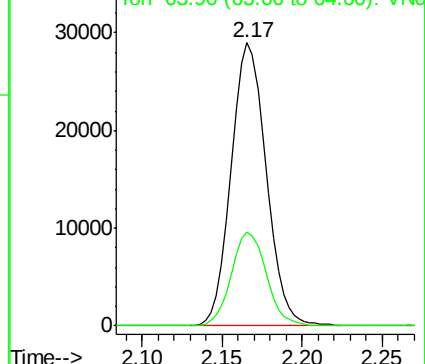
62 100

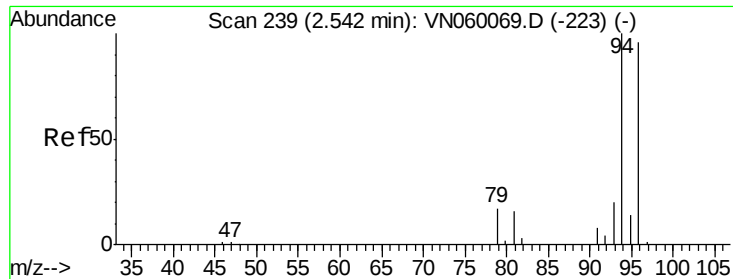
64 33.1 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.730 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

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VN0221MBS01

Tot Ion: 94 Resp: 27463

Ion Ratio Lower Upper

94 100

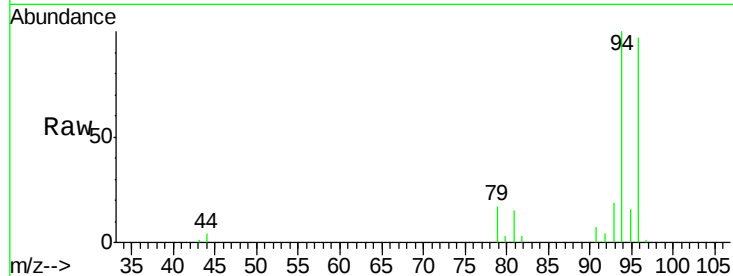
96 97.3 76.7 115.1

Manual Integrations

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2/24/2020 11:41:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VN060189.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060189.D (-223) (-)

2.55

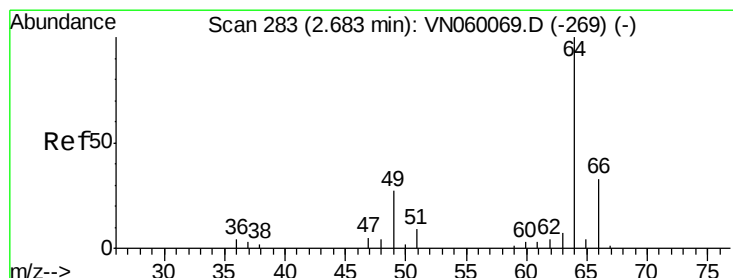
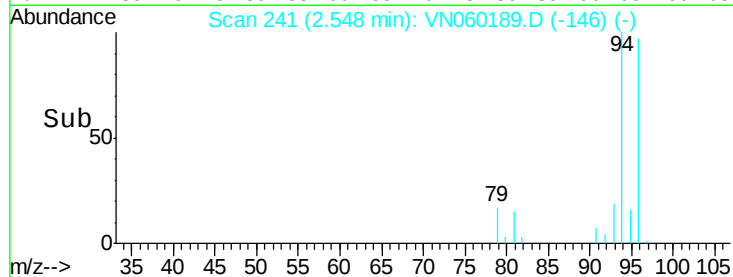
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.753 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060189.D

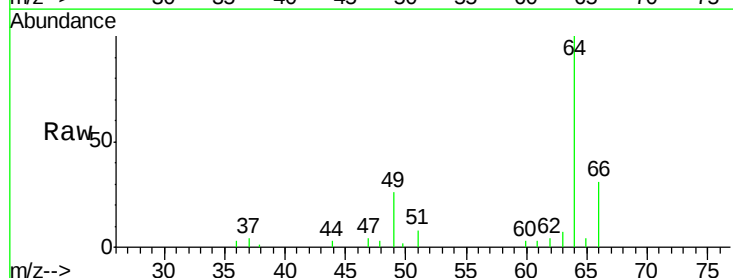
Acq: 21 Feb 2020 15:03

Tgt Ion: 64 Resp: 22681

Ion Ratio Lower Upper

64 100

66 31.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN060189.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN060189.D (-269) (-)

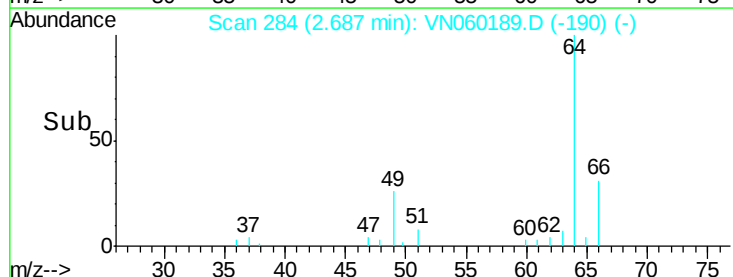
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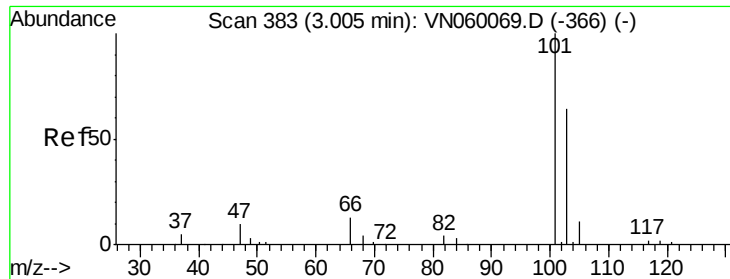
10000

5000

0

Time-->





#7

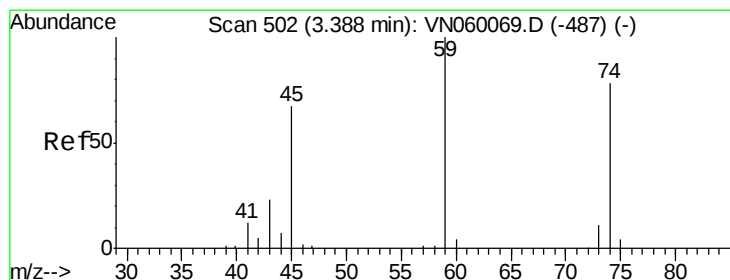
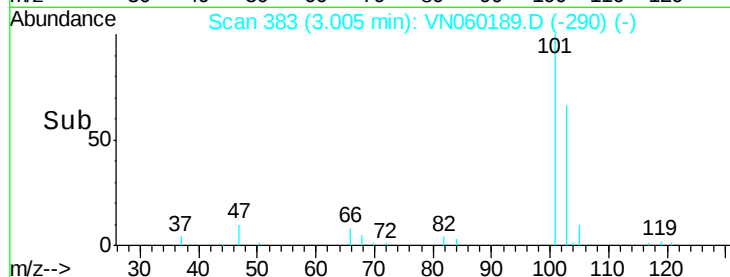
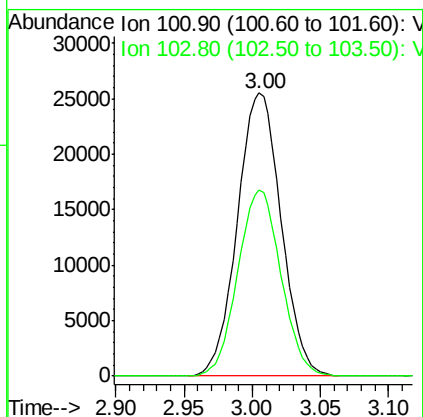
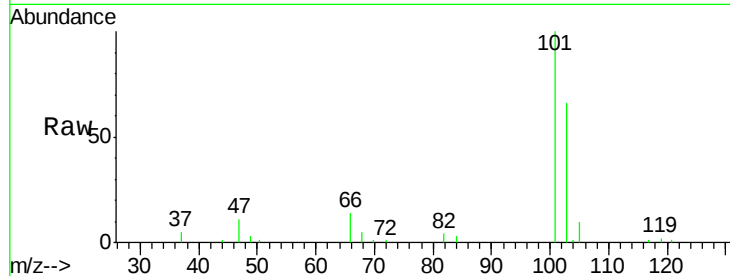
Trichlorofluoromethane
Concen: 18.424 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.6

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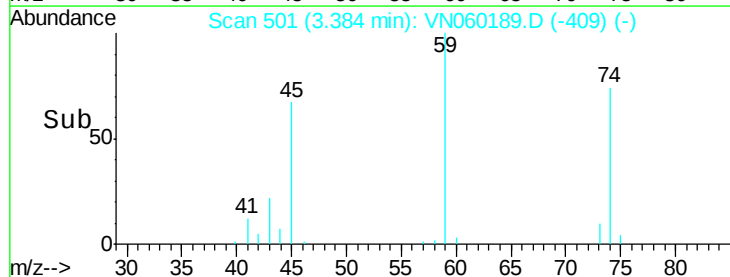
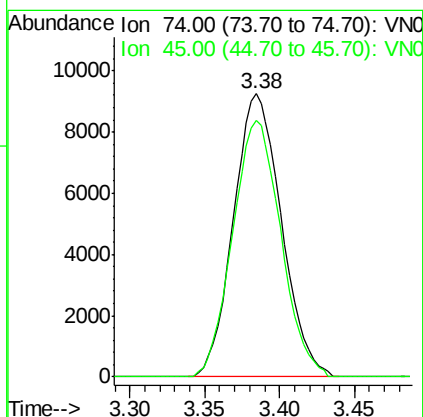
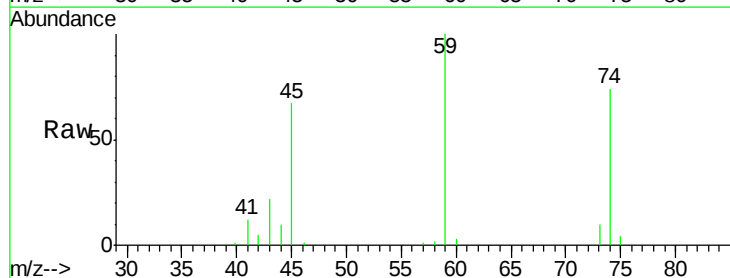
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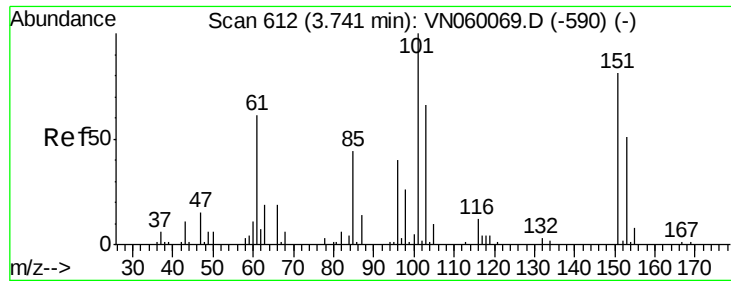


#8

Diethyl Ether
Concen: 20.093 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.9	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.470 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

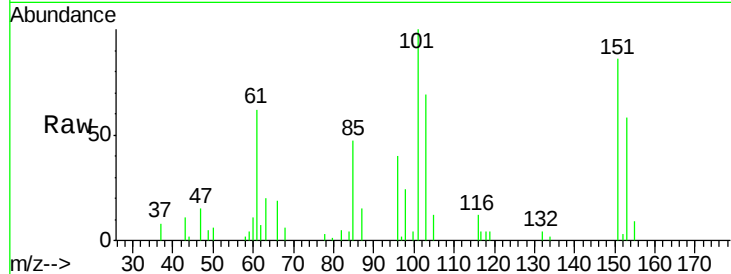
ClientSampleId :

VN0221MBS01

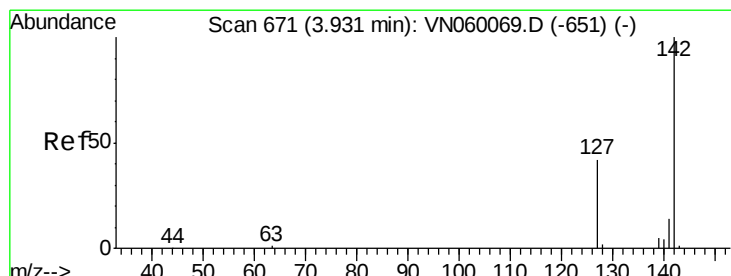
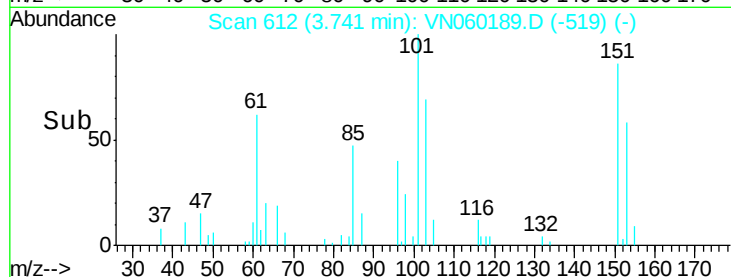
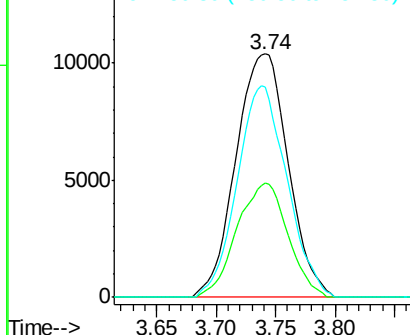
Tot Ion:	101	Resp:	31614
Ion Ratio	Lower	Upper	
101	100		
85	45.7	35.1	52.7
151	82.9	65.8	98.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.635 ug/l

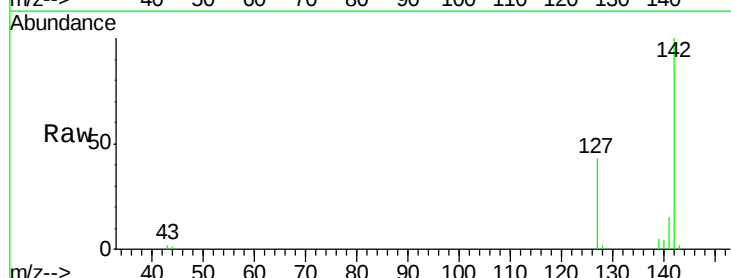
RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

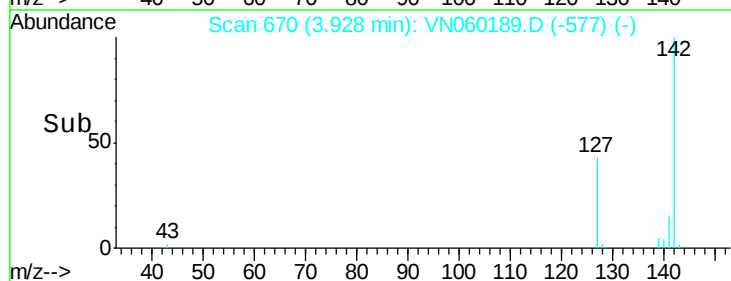
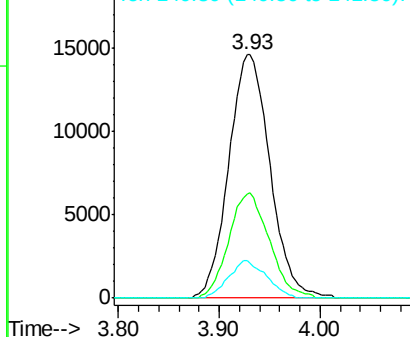
Lab File: VN060189.D

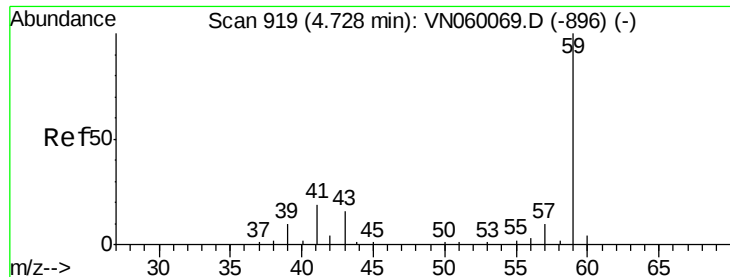
Acq: 21 Feb 2020 15:03

Tgt Ion:	142	Resp:	41506
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.6	50.4
141	14.1	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





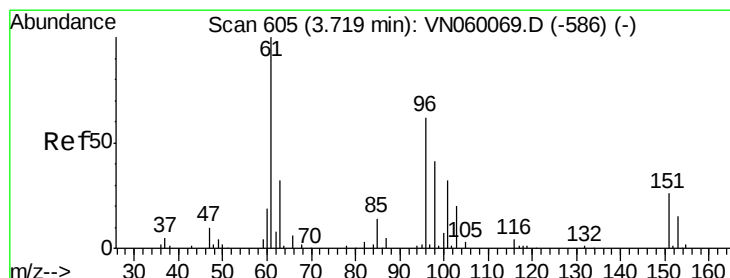
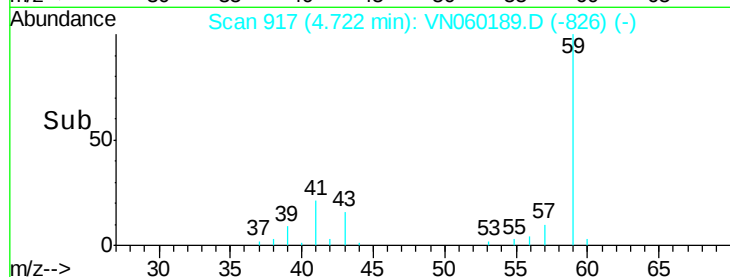
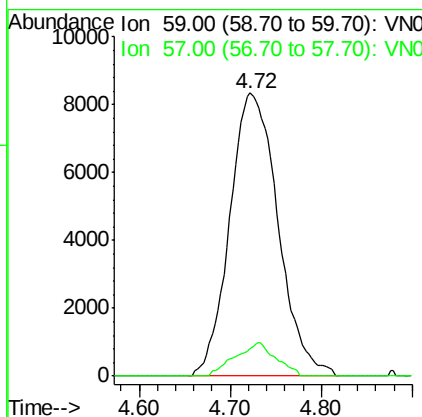
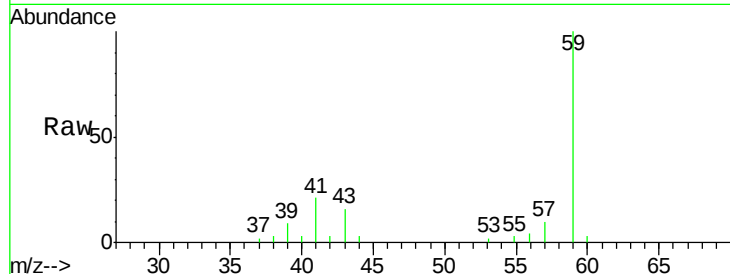
#11
Tert butyl alcohol
Concen: 95.748 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

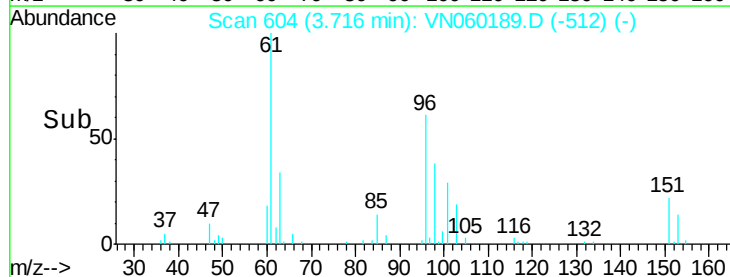
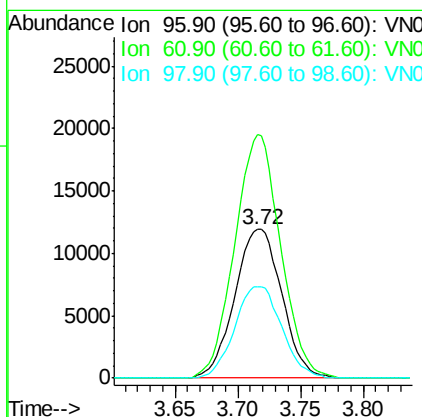
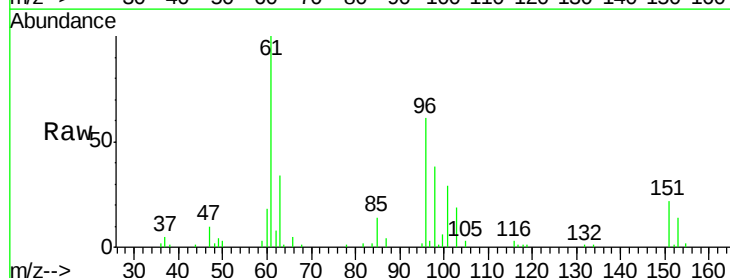
Manual Integrations
APPROVED

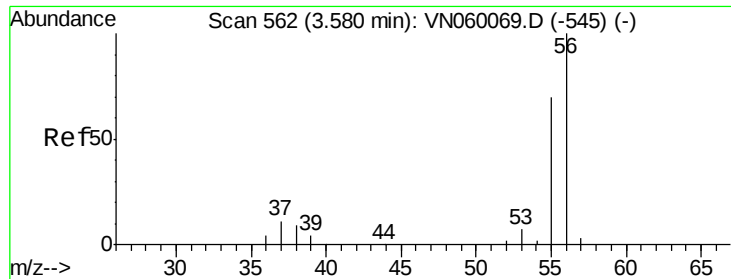
MMDadoda
2/24/2020 11:41:21 AM



#12
1,1-Dichloroethene
Concen: 18.627 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	128.3	192.5
98	61.7	52.2	78.4





#13

Acrolein

Concen: 79.016 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 56 Resp: 25082

Ion Ratio Lower Upper

56 100

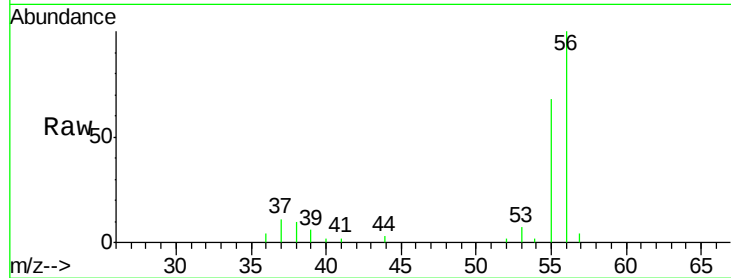
55 72.7 54.8 82.2

Manual Integrations

APPROVED

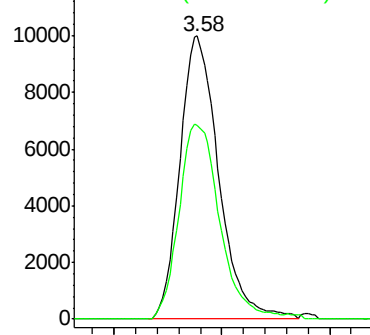
MMDadoda

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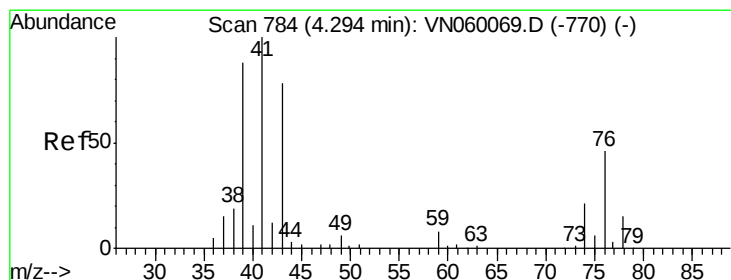
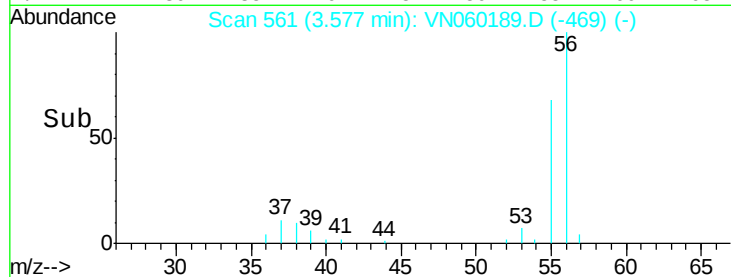


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 19.433 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

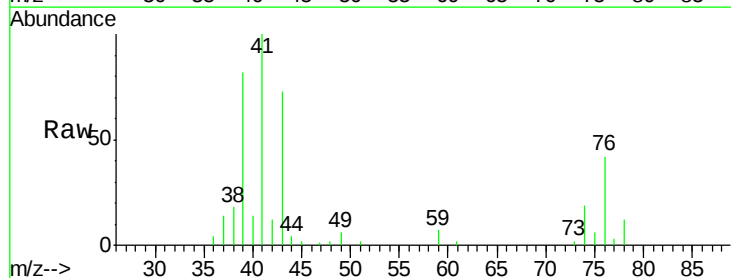
Tgt Ion: 41 Resp: 47693

Ion Ratio Lower Upper

41 100

39 79.9 67.8 101.8

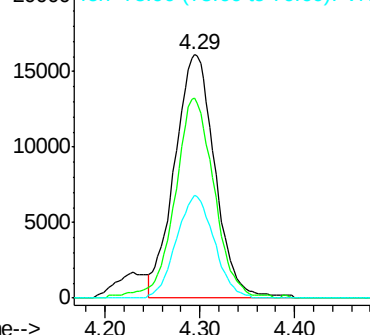
76 39.4 33.9 50.9



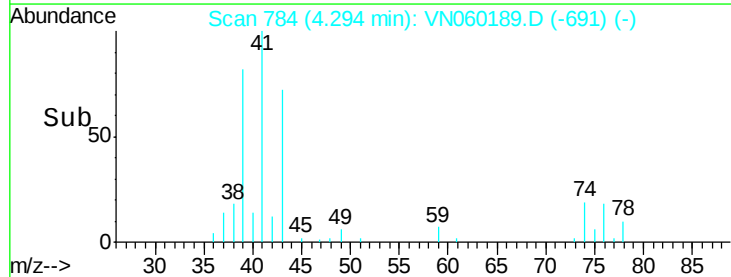
Abundance Ion 41.00 (40.70 to 41.70): VN0

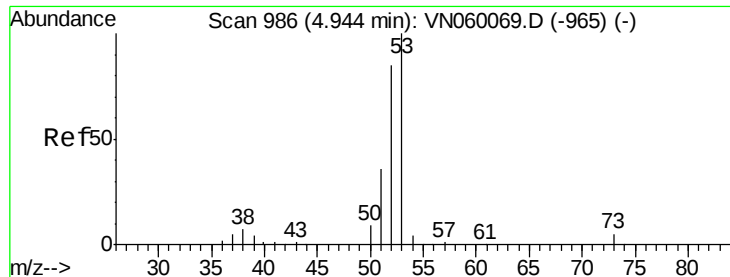
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#15

Acrylonitrile

Concen: 102.787 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

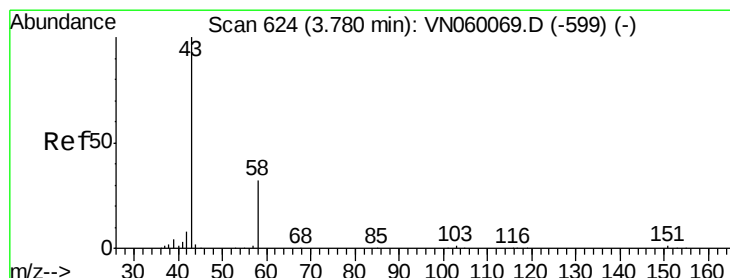
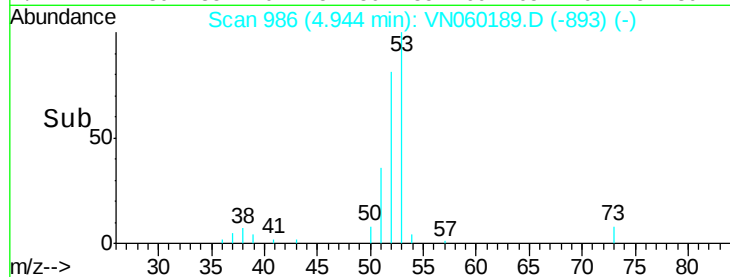
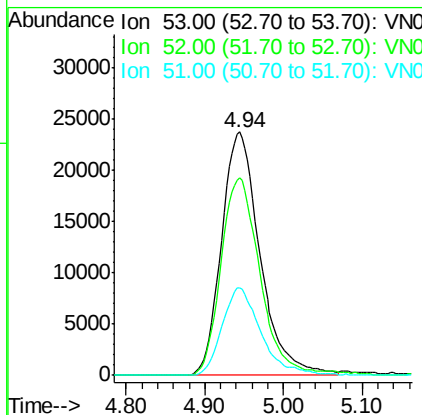
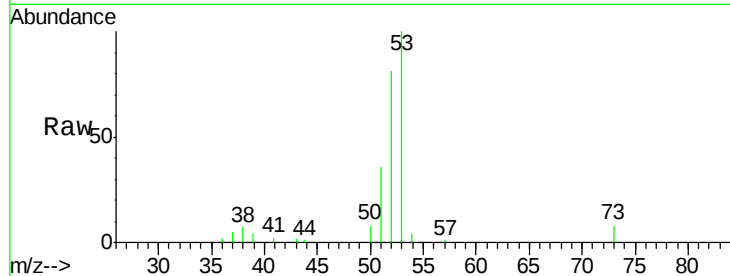
ClientSampleId :

VN0221MBS01

Tot Ion:	53	Resp:	80613
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.8	100.2
51	36.3	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 80.388 ug/l

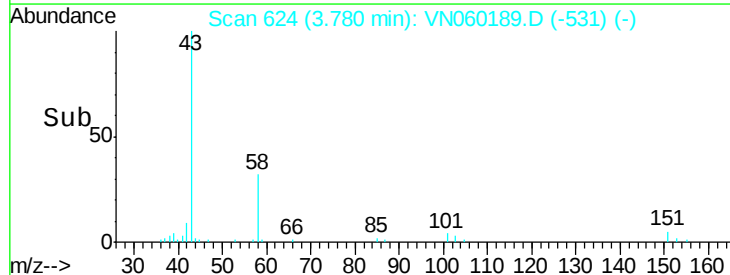
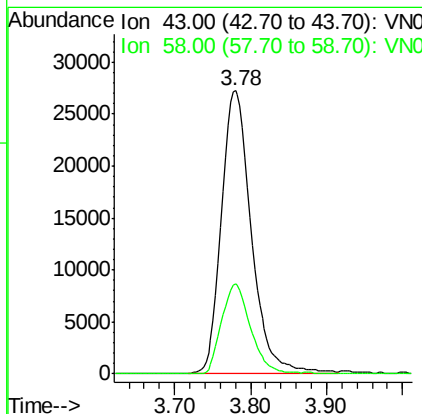
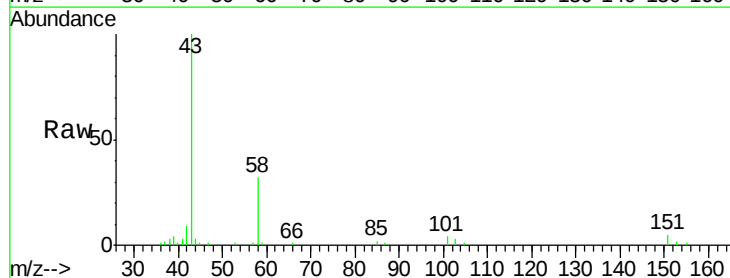
RT: 3.78 min Scan# 624

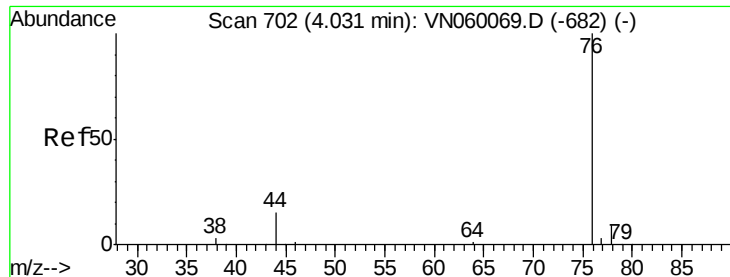
Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion:	43	Resp:	75250
Ion	Ratio	Lower	Upper
43	100		
58	32.0	25.2	37.8





#17

Carbon Disulfide

Concen: 17.041 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tot Ion: 76 Resp: 85647

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6

Instrument :

MSVOA_N

ClientSampleId :

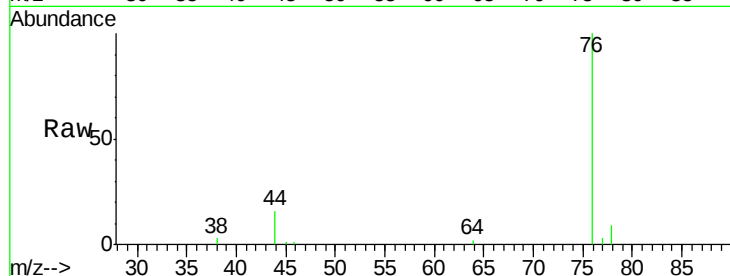
VN0221MBSD01

Manual Integrations

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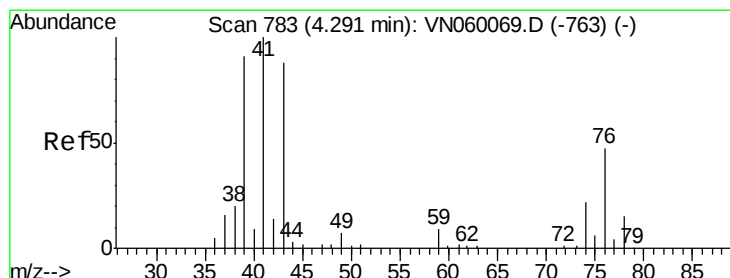
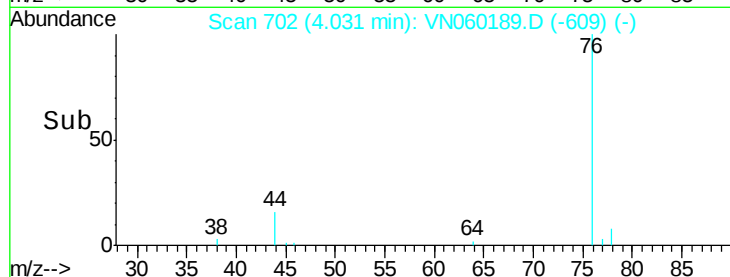
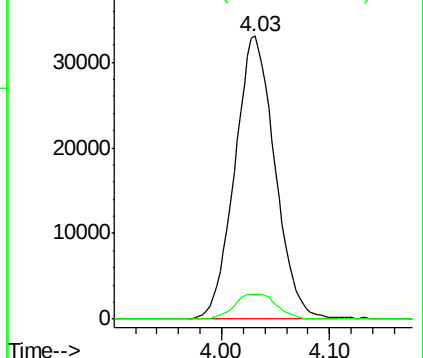
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 21.045 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060189.D

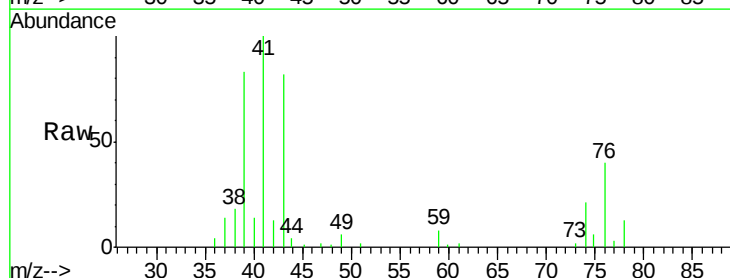
Acq: 21 Feb 2020 15:03

Tgt Ion: 43 Resp: 37007

Ion Ratio Lower Upper

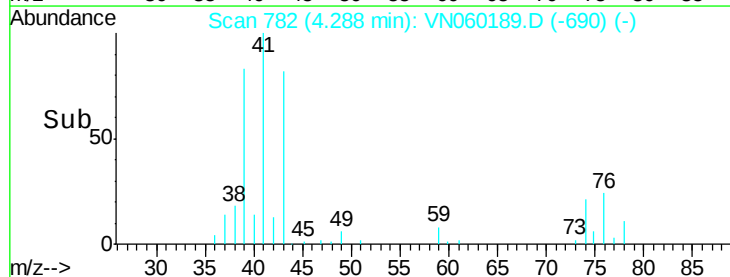
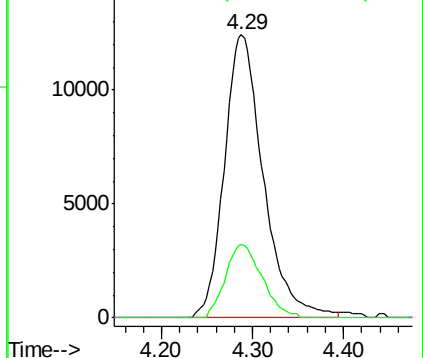
43 100

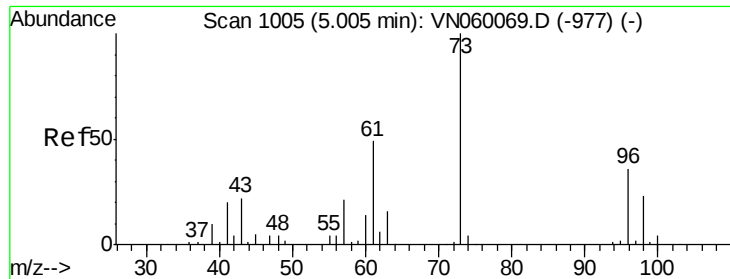
74 24.3 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





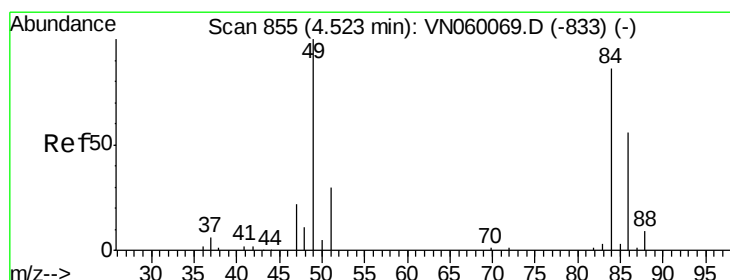
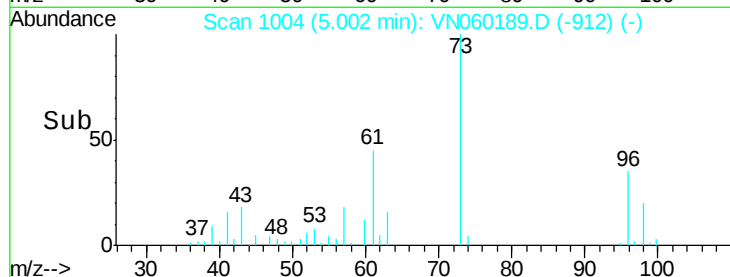
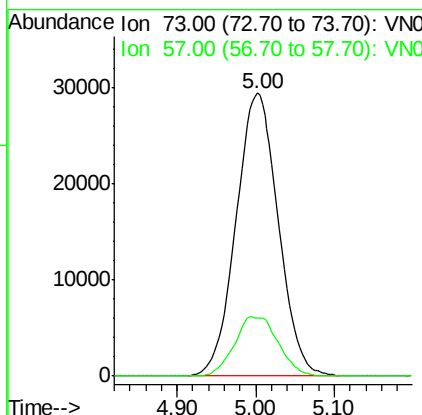
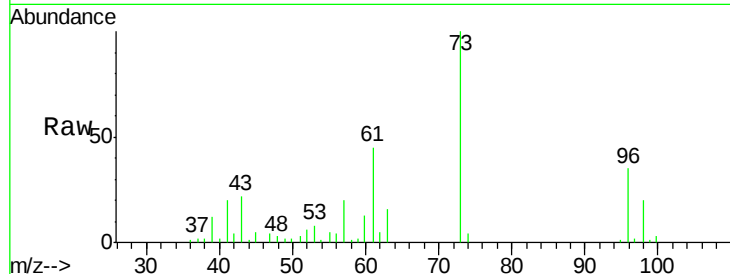
#19
Methvl tert-butvl Ether
Concen: 19.822 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion: 73 Resp: 111151
Ion Ratio Lower Upper
73 100
57 20.5 17.2 25.8

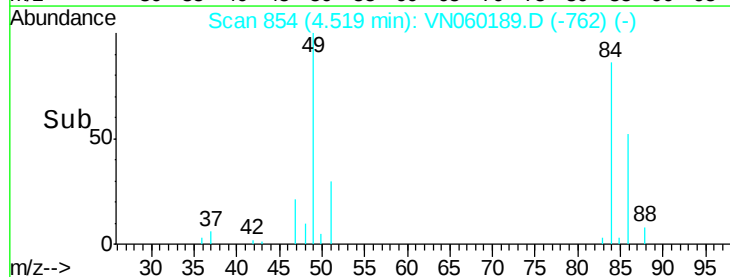
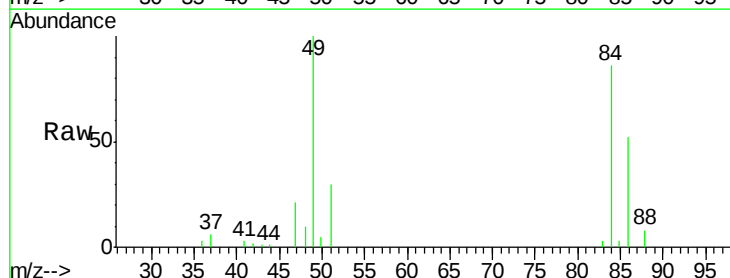
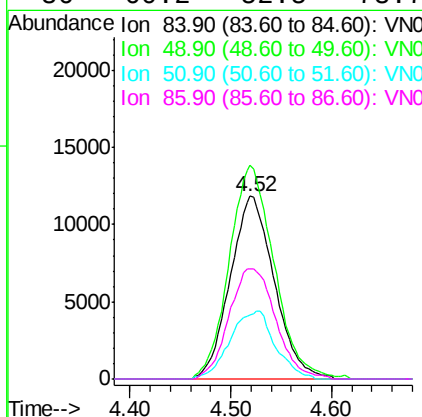
Manual Integrations
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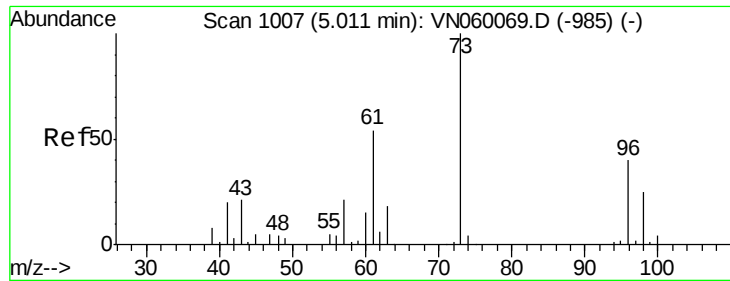
MMDadoda
2/24/2020 11:41:21 AM



#20
Methylene Chloride
Concen: 19.261 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion: 84 Resp: 35971
Ion Ratio Lower Upper
84 100
49 116.8 93.4 140.0
51 35.1 28.4 42.6
86 60.2 52.5 78.7





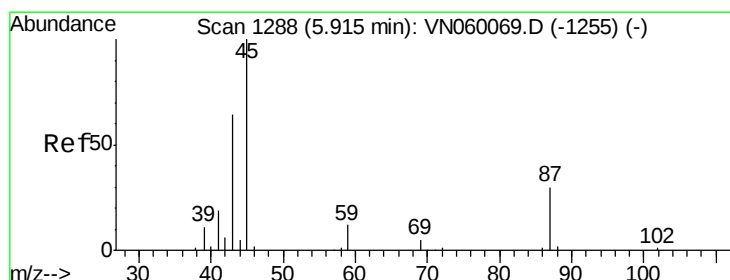
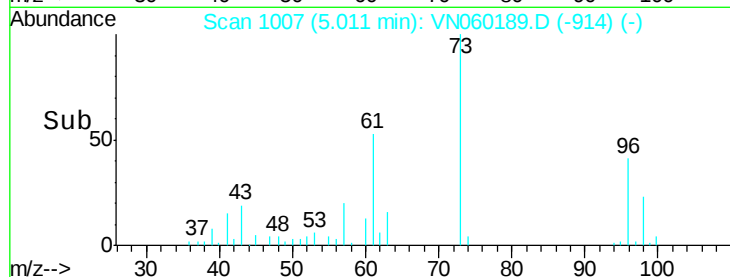
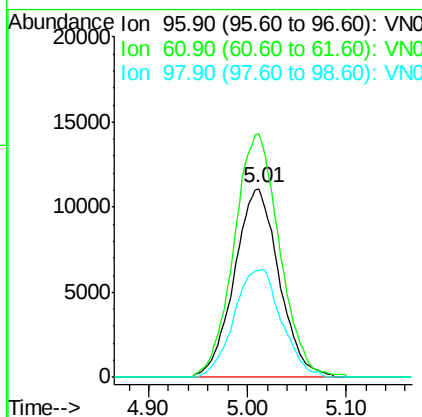
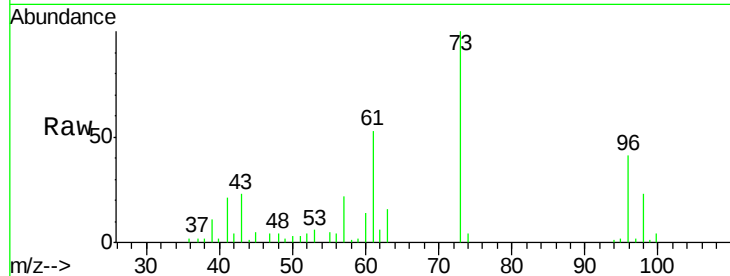
#21
trans-1,2-Dichloroethene
Concen: 19.164 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	109.3	163.9
98	56.6	51.0	76.6

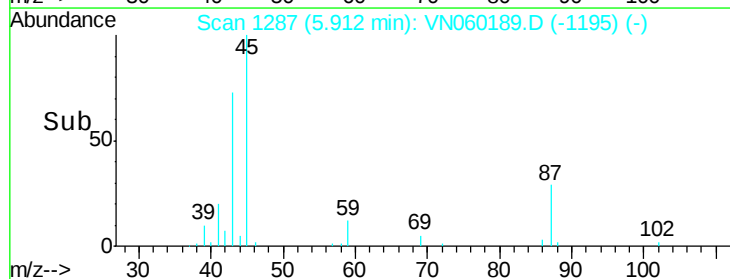
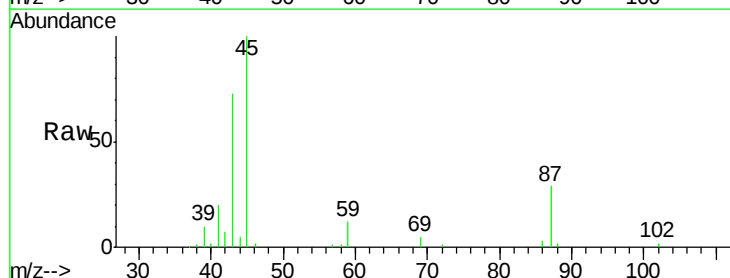
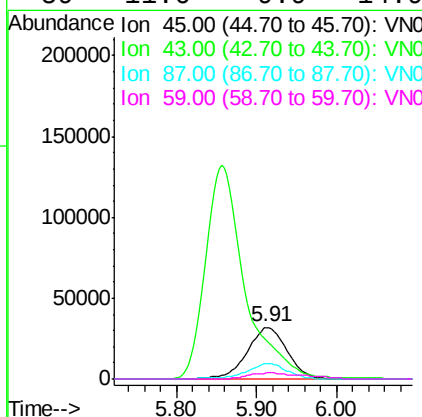
Manual Integrations
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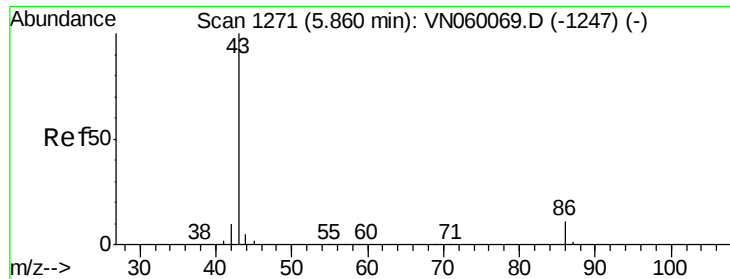
MMDadoda
2/24/2020 11:41:21 AM



#22
Diisopropyl ether
Concen: 20.174 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.6	55.9	83.9
87	29.5	24.5	36.7
59	11.6	9.9	14.9





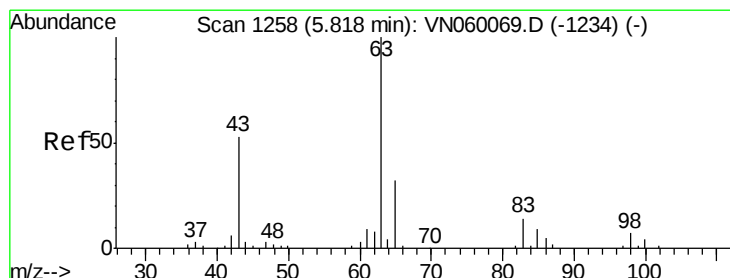
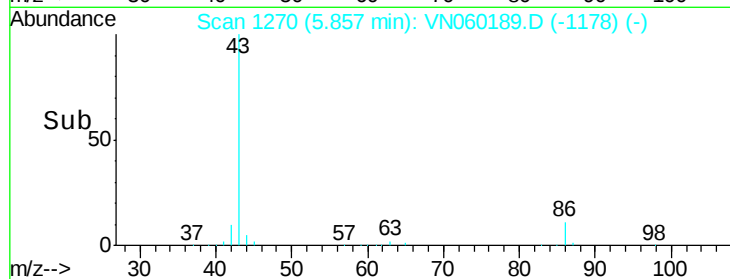
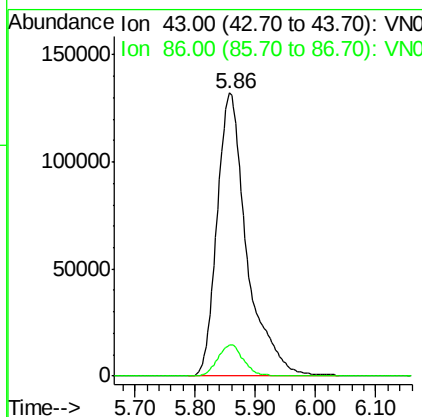
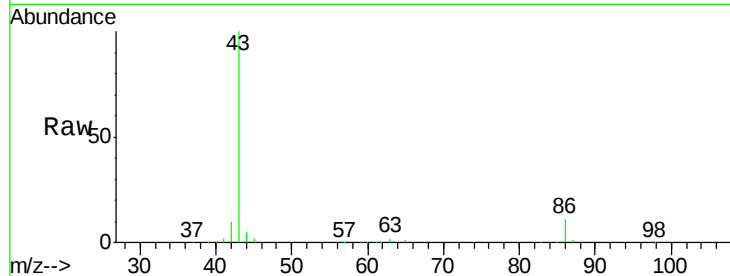
#23
 Vinyl Acetate
 Concen: 100.029 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	43	Resp	451814
Ion Ratio	100	Lower	Upper
43	100	8.9	13.3
86	10.9		

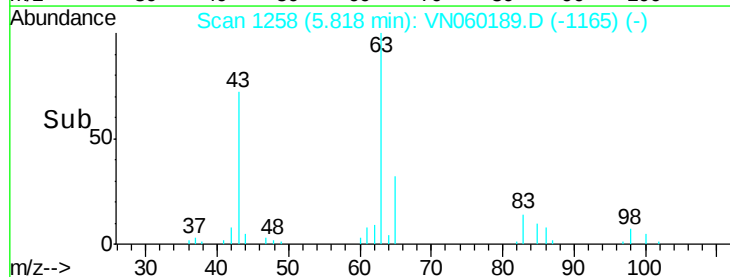
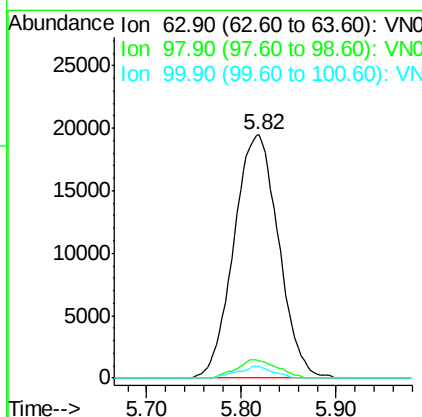
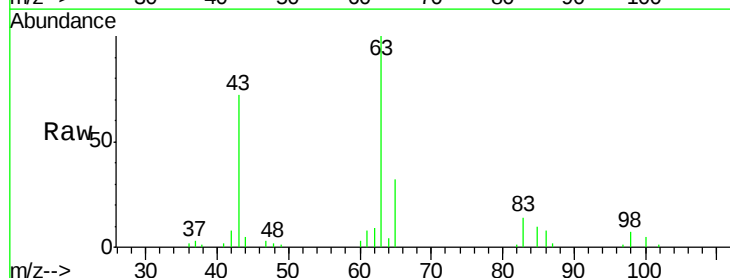
Manual Integrations
 APPROVED

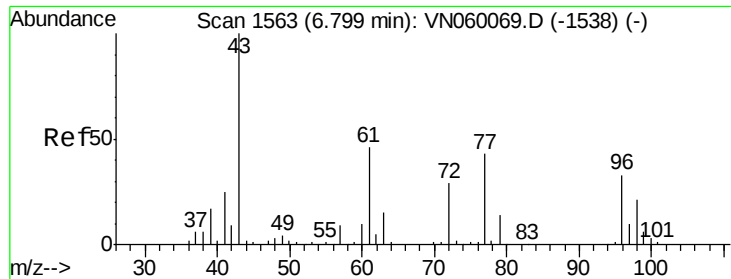
MMDadoda
 2/24/2020 11:41:21 AM



#24
 1,1-Dichloroethane
 Concen: 19.596 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Tgt Ion	63	Resp	63849
Ion Ratio	100	Lower	Upper
63	100	3.5	10.5
98	7.2		
100	4.9	2.2	6.6





#25

2-Butanone

Concen: 91.003 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 43 Resp: 107138

Ion Ratio Lower Upper

43 100

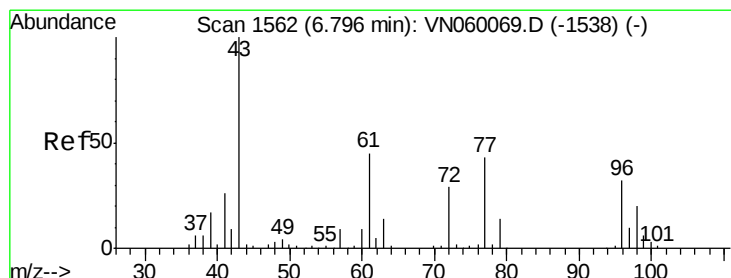
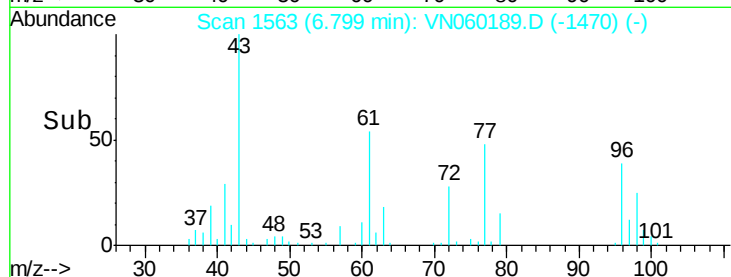
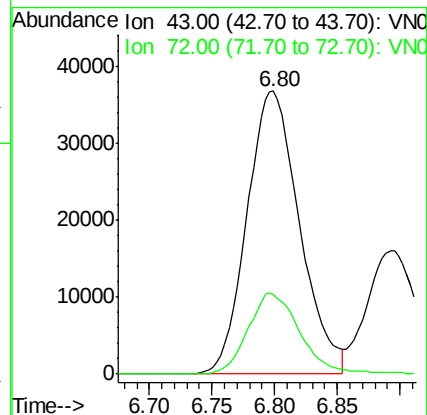
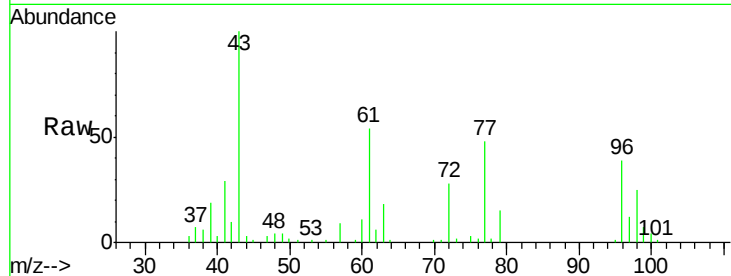
72 28.1 23.3 34.9

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2/24/2020 11:41:21 AM



#26

2,2-Dichloropropane

Concen: 18.775 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060189.D

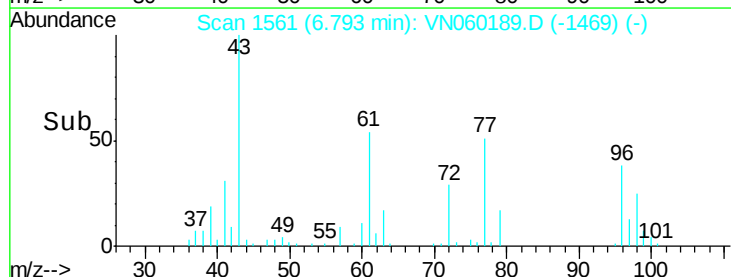
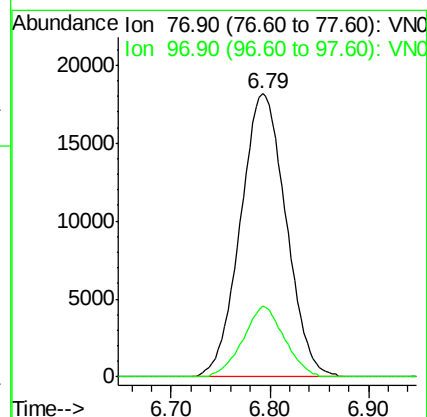
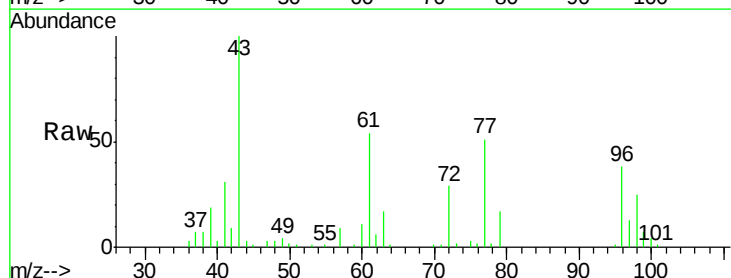
Acq: 21 Feb 2020 15:03

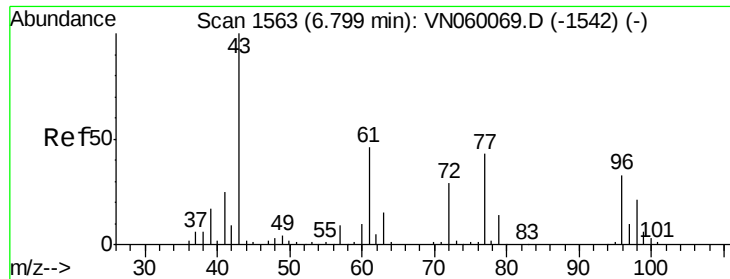
Tgt Ion: 77 Resp: 58104

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





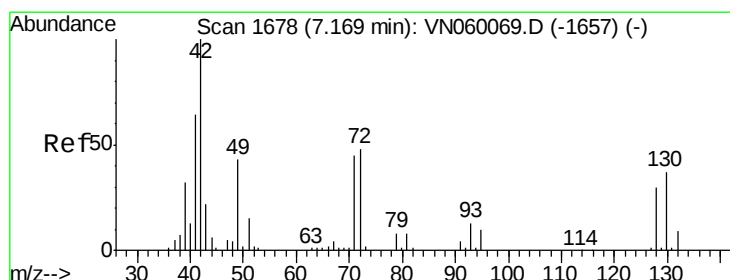
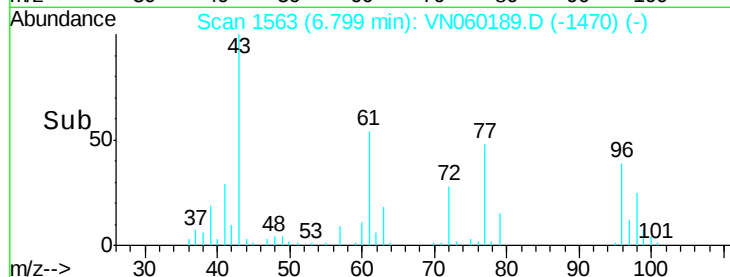
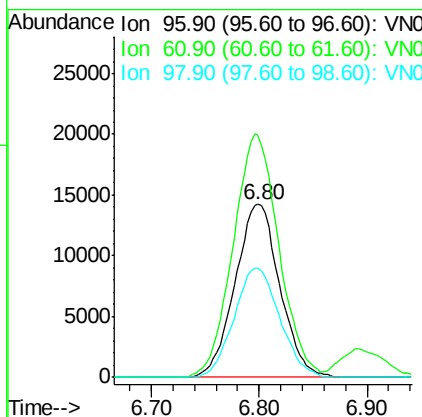
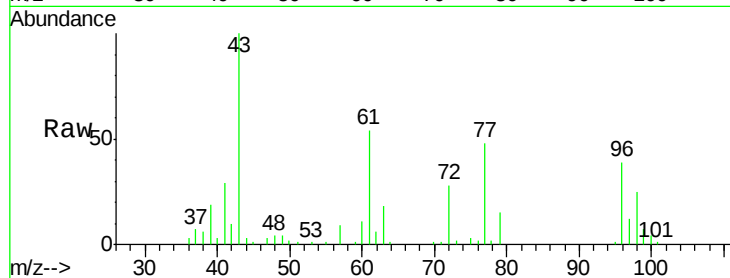
#27
 cis-1,2-Dichloroethene
 Concen: 19.308 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	285.8
98	64.4	0.0	129.6

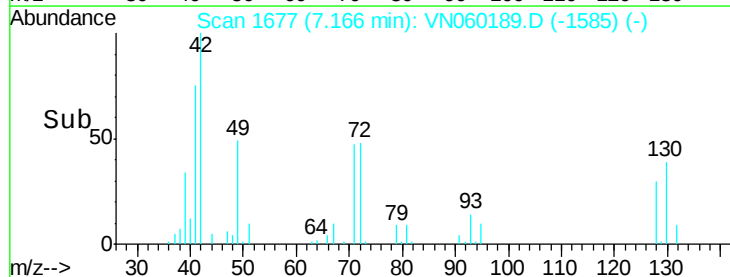
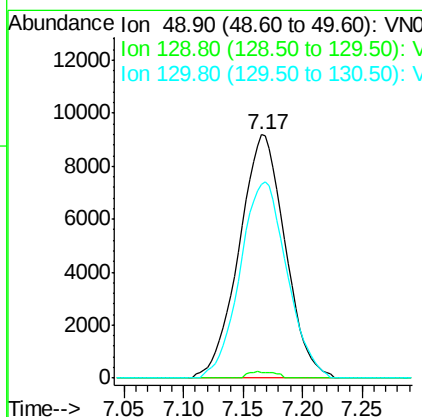
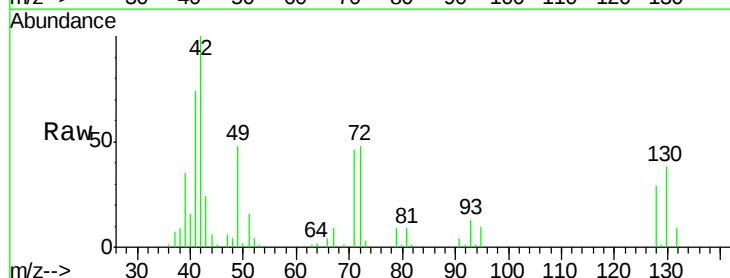
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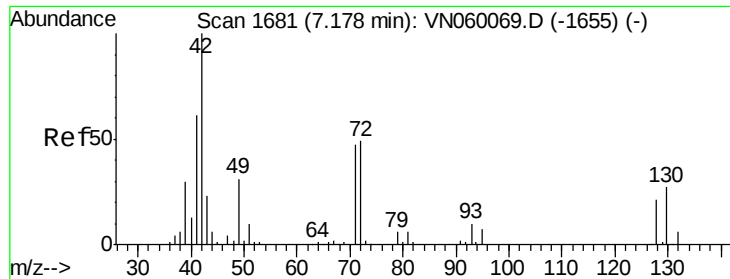
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#28
 Bromochloromethane
 Concen: 19.216 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.2
130	82.0	66.8	100.2





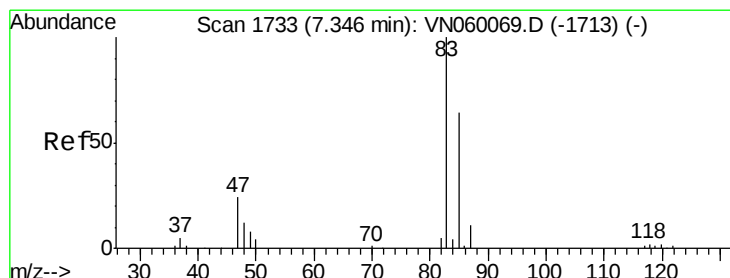
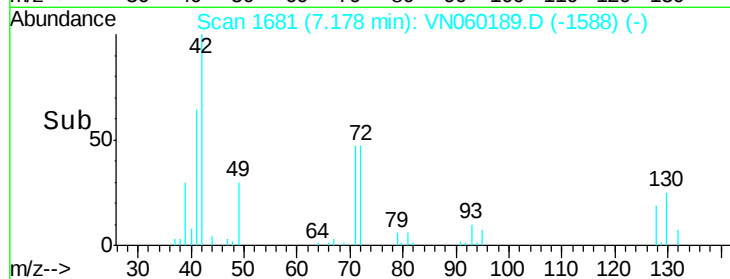
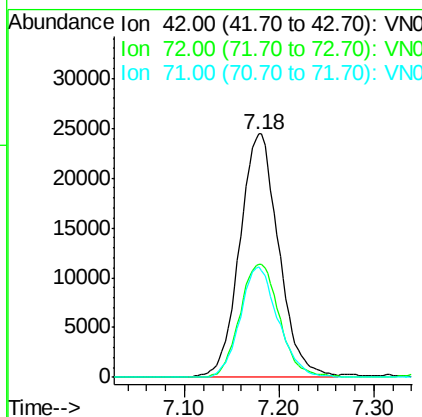
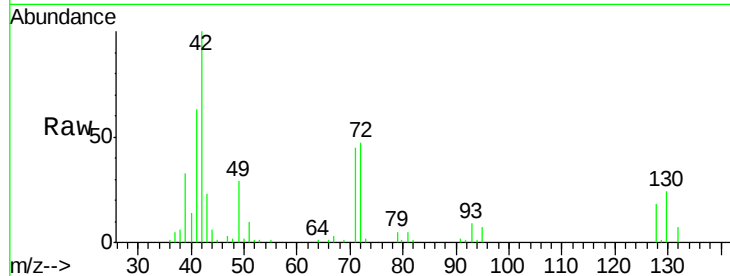
#29
Tetrahydrofuran
Concen: 97.200 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	38.2	57.4
71	44.0	36.6	54.8

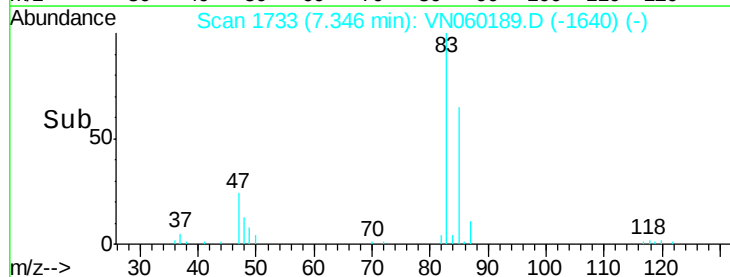
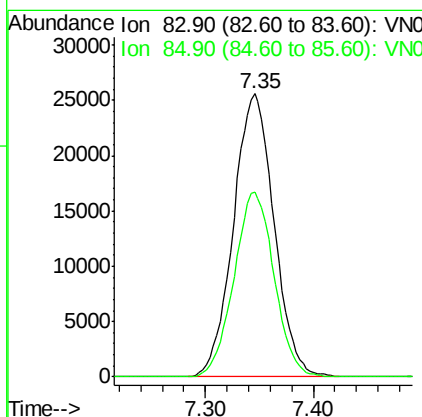
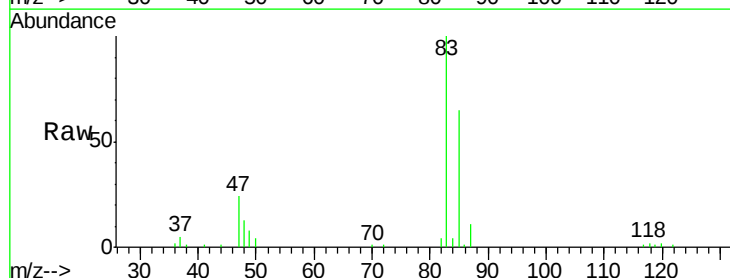
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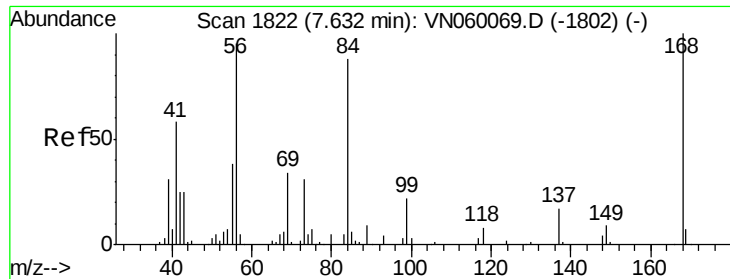
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#30
Chloroform
Concen: 19.626 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0





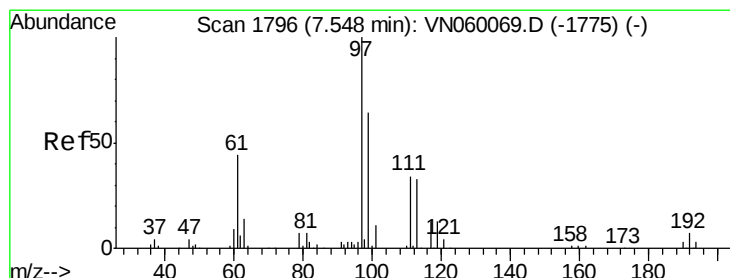
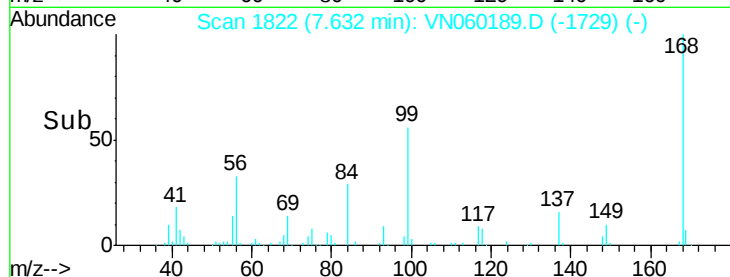
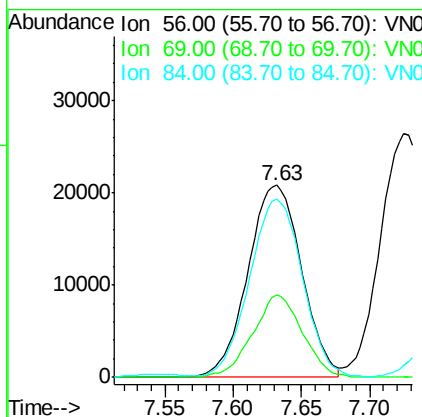
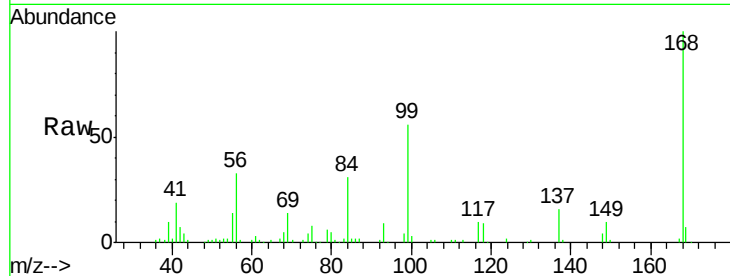
#31
Cyclohexane
Concen: 18.751 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.7	28.3	42.5#
84	91.6	72.6	108.8

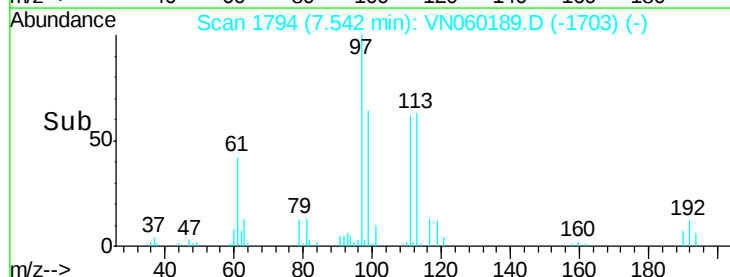
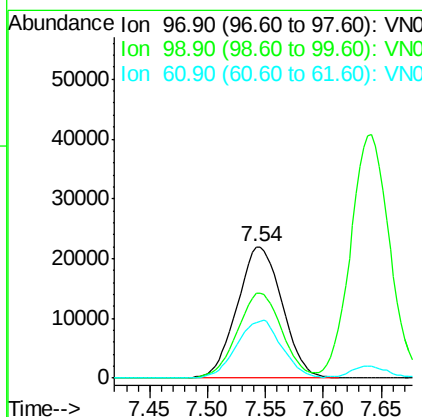
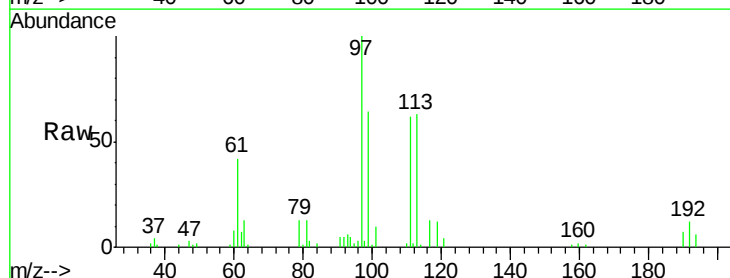
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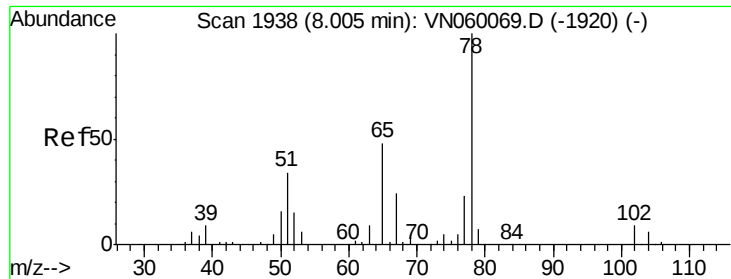
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2/24/2020 11:41:21 AM



#32
1,1,1-Trichloroethane
Concen: 18.987 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	44.0	34.9	52.3





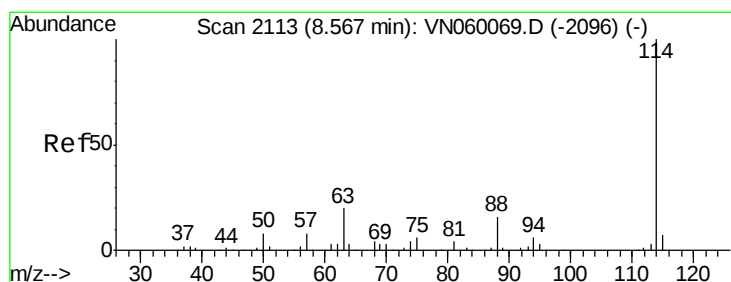
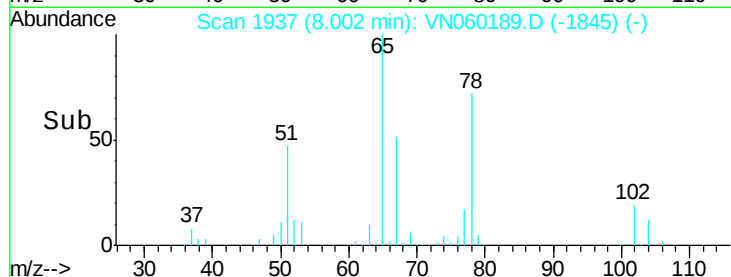
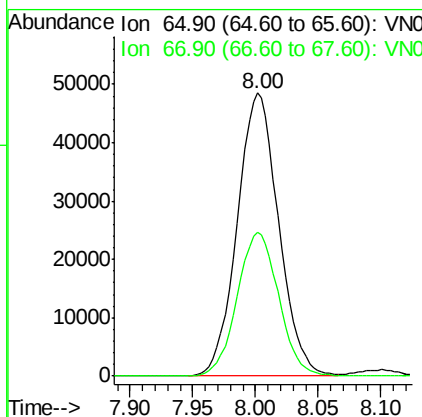
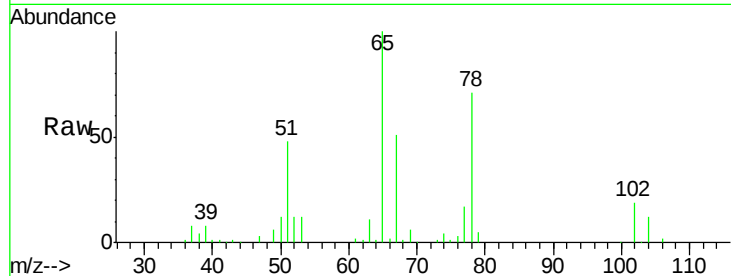
#33
 1,2-Dichloroethane-d4
 Concen: 51.904 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.0	0.0	104.0	

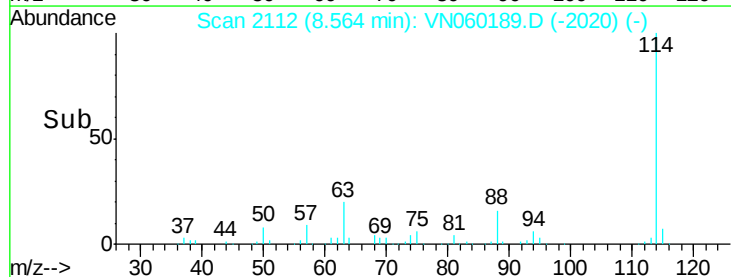
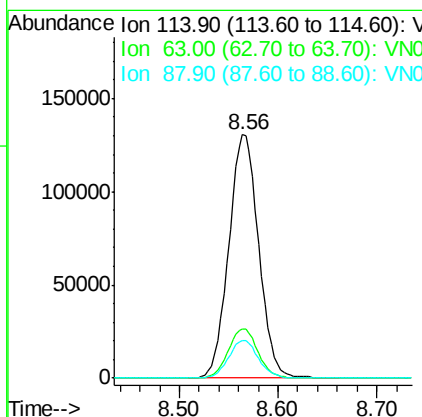
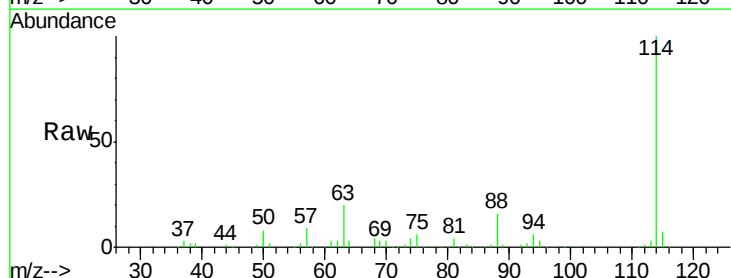
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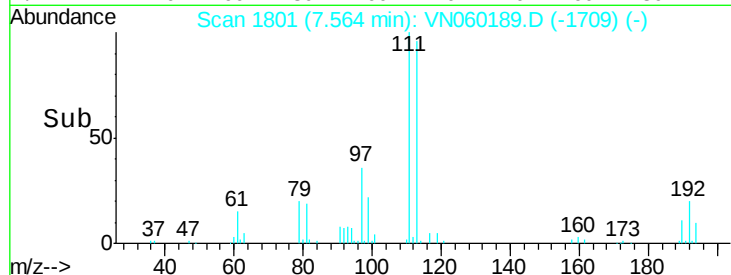
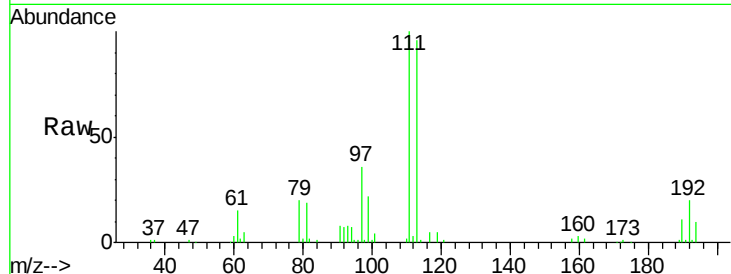
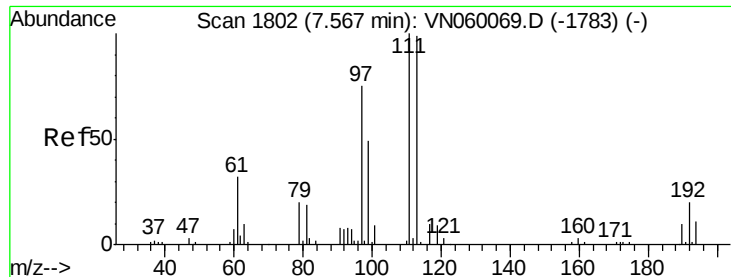
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 2/24/2020 11:41:21 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	40.0	
88	15.6	0.0	31.6	





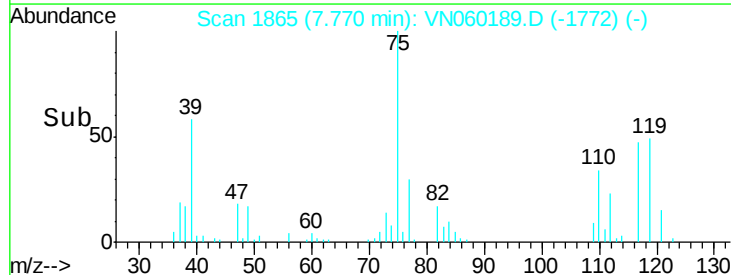
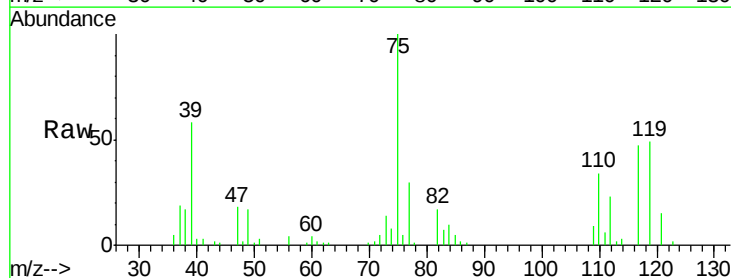
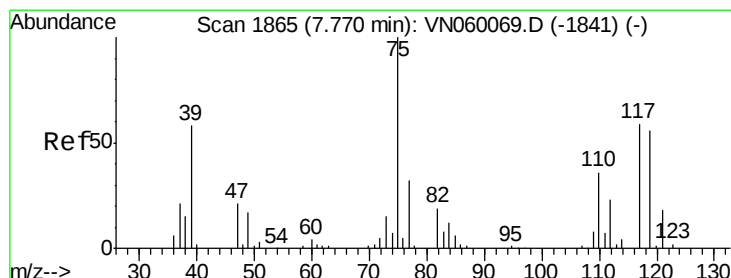
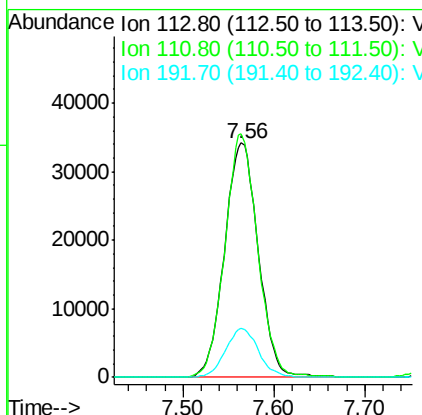
#35
Dibromofluoromethane
Concen: 52.044 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	100.5	81.4	122.2	
192	20.4	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

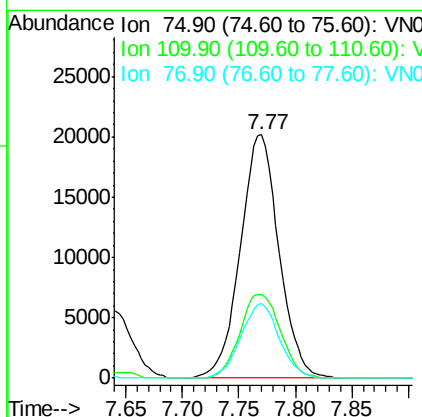
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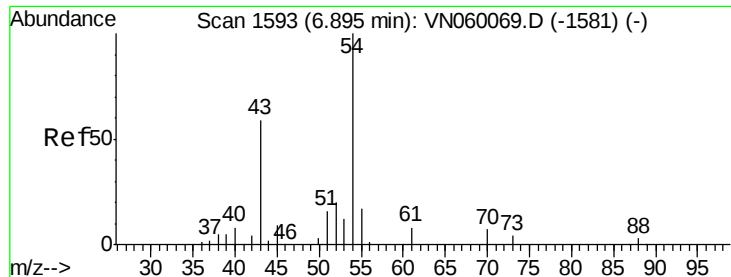
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2/24/2020 11:41:21 AM



#36
1,1-Dichloropropene
Concen: 18.783 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.1	54.3	
77	30.4	25.1	37.7	





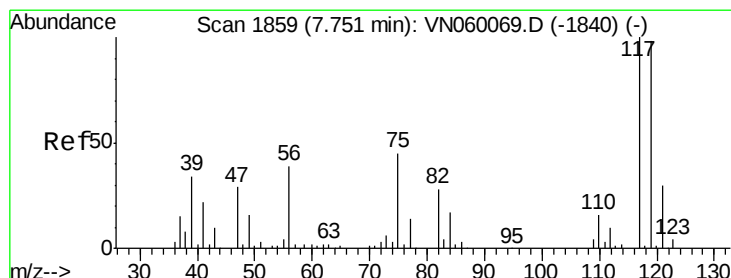
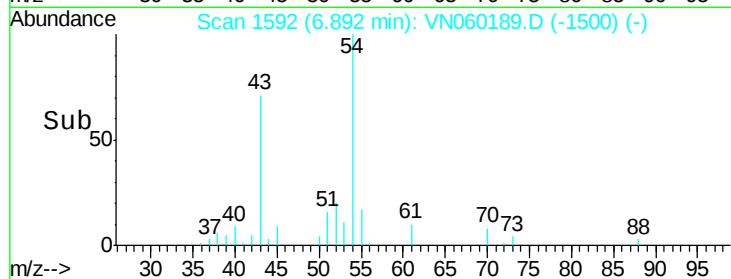
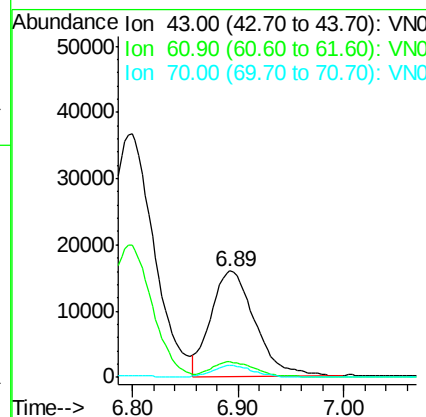
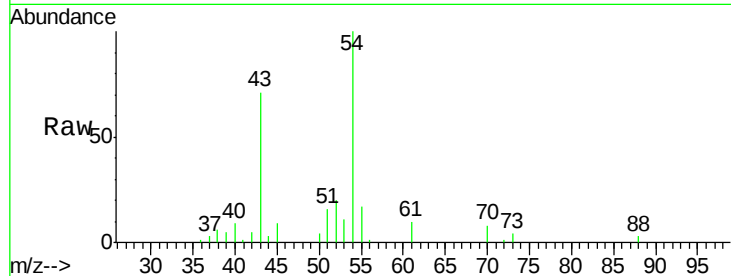
#37
Ethyl Acetate
Concen: 20.056 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.4	17.2
70	10.4	8.7	13.1

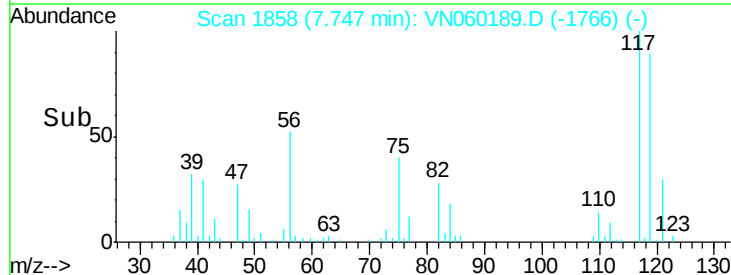
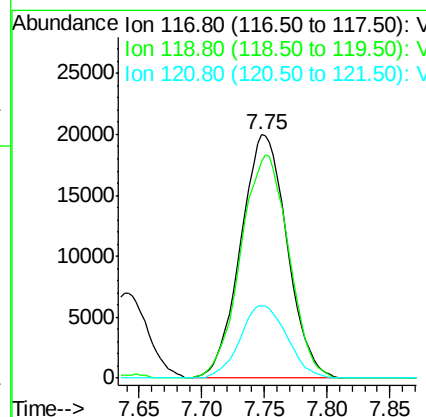
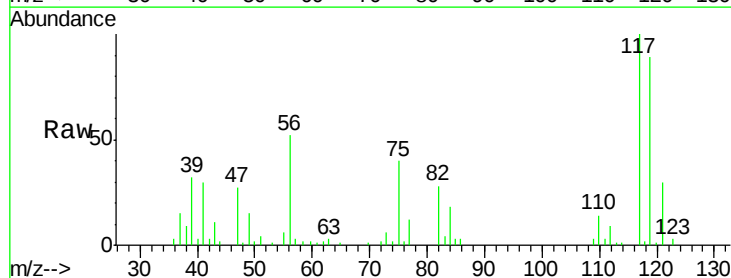
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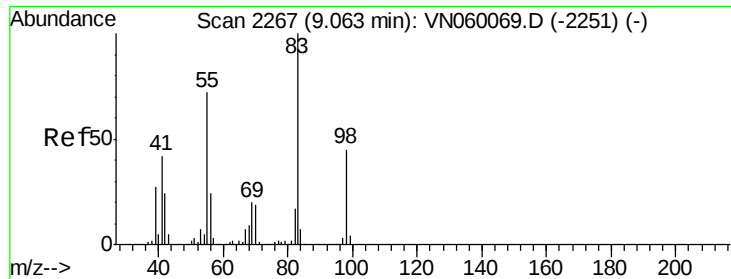
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2/24/2020 11:41:21 AM



#38
Carbon Tetrachloride
Concen: 18.563 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.0	78.2	117.4
121	29.8	24.2	36.2





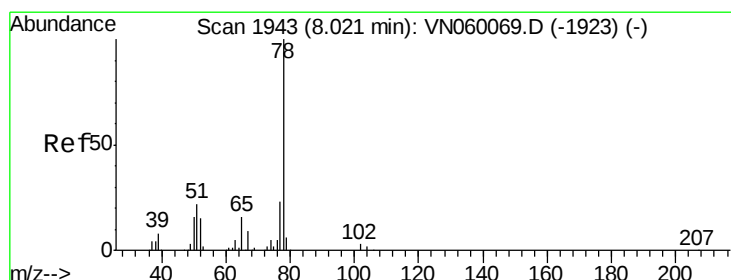
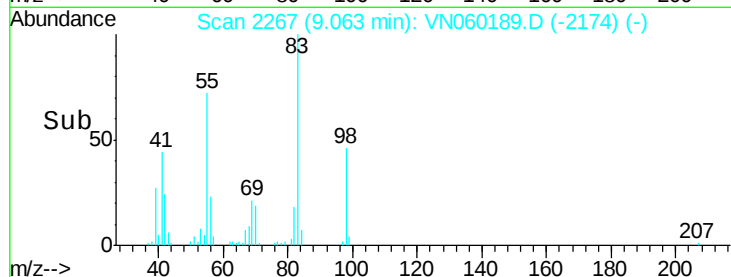
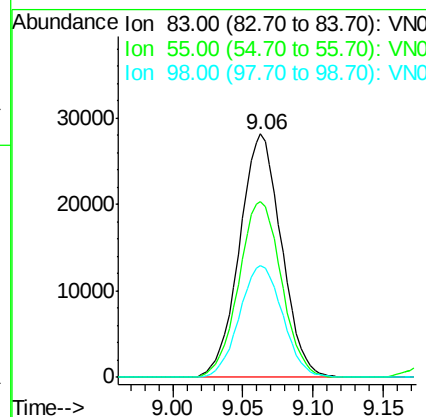
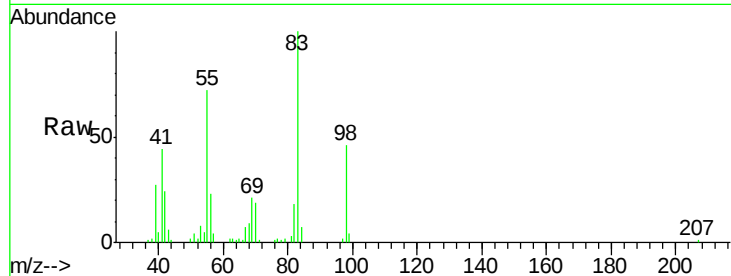
#39
Methylvlcyclohexane
Concen: 18.443 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.8	86.8
98	46.1	36.4	54.6

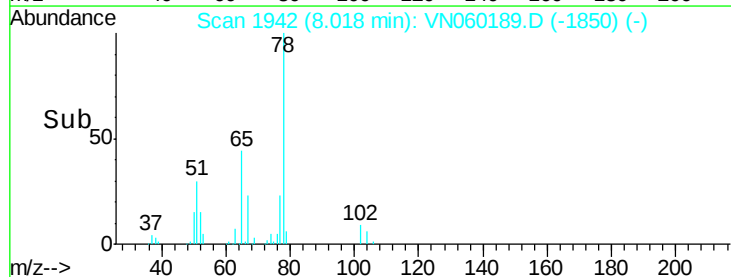
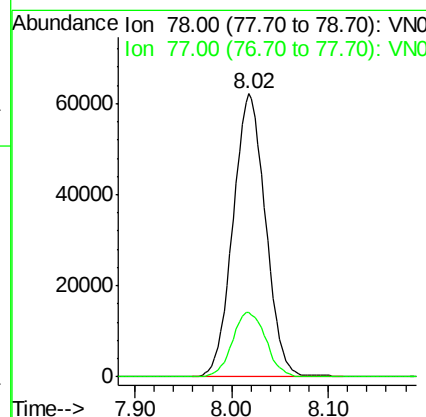
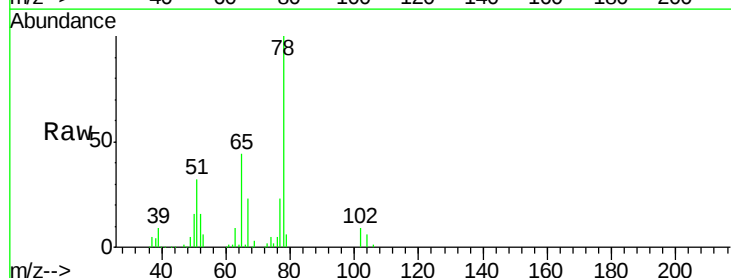
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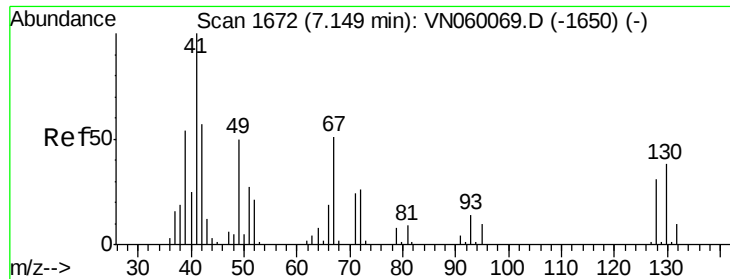
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2/24/2020 11:41:21 AM



#40
Benzene
Concen: 19.153 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





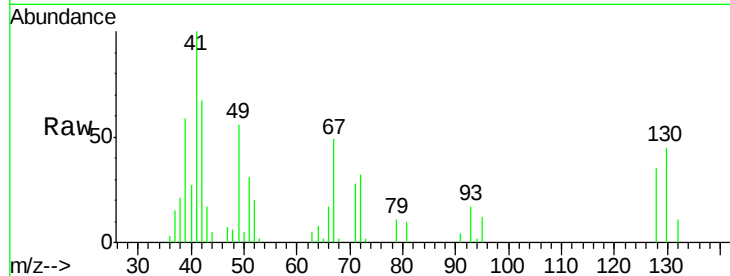
#41
Methacrylonitrile
Concen: 21.917 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

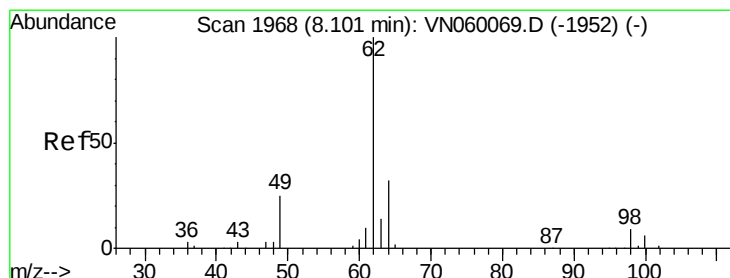
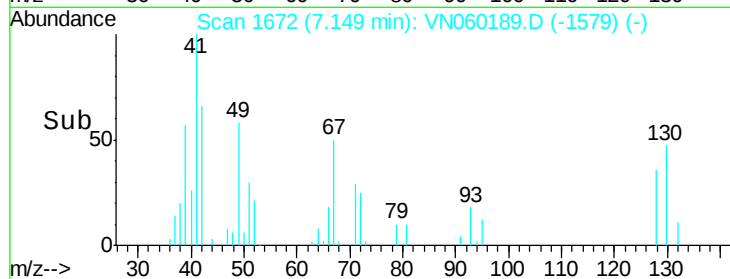
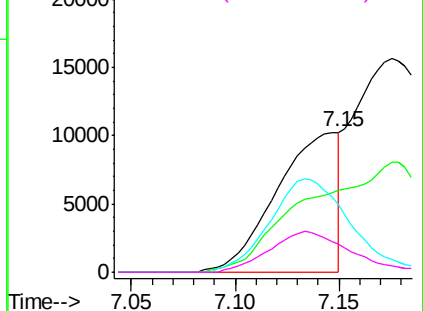
Tot Ion	Ratio	Lower	Upper
41	100		
39	165.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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2/24/2020 11:41:21 AM

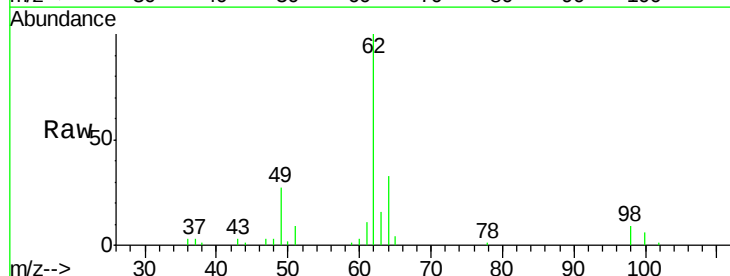


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

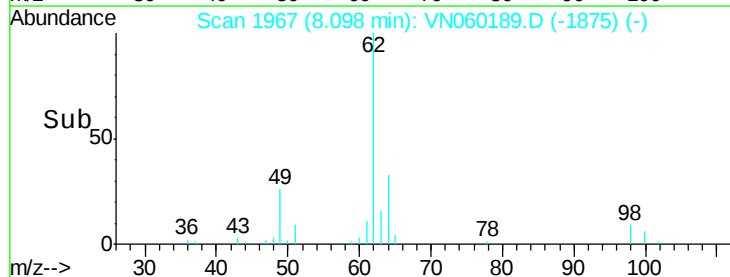
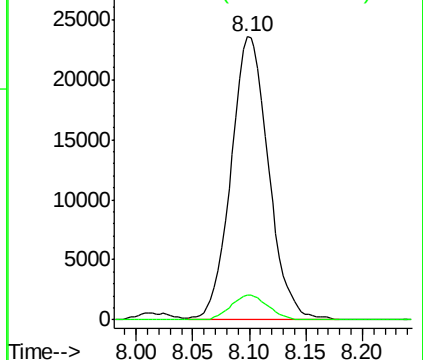


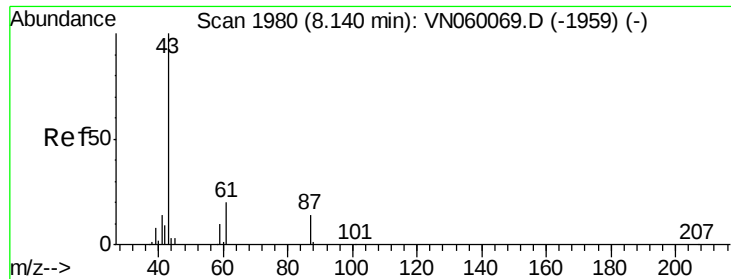
#42
1,2-Dichloroethane
Concen: 20.525 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





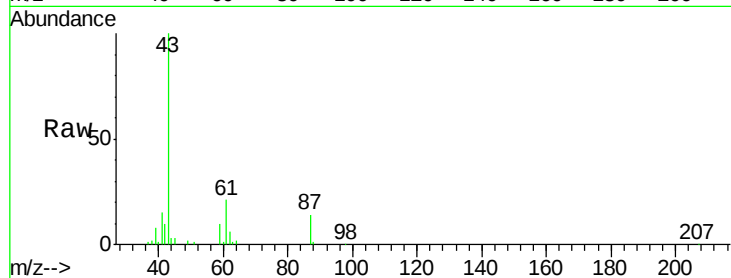
#43
Isopropyl Acetate
Concen: 19.914 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

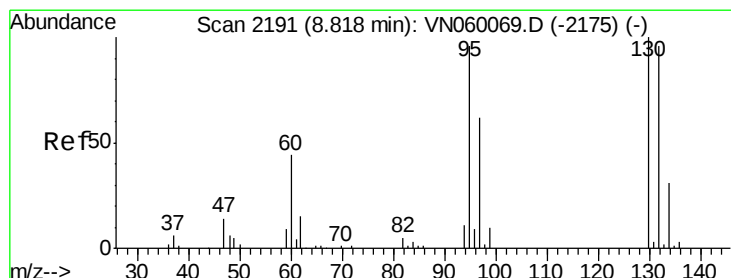
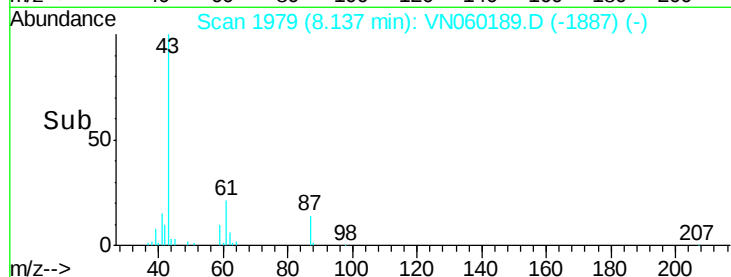
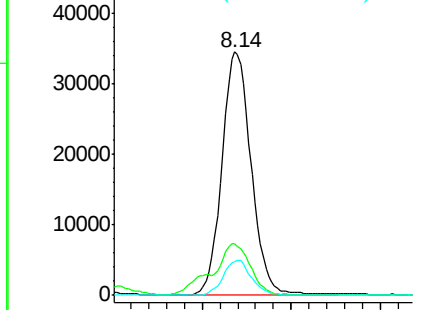
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	21.8	32.6#
87	13.7	11.4	17.2

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2/24/2020 11:41:21 AM

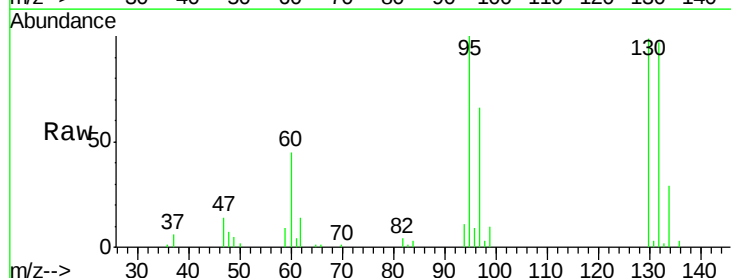


Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

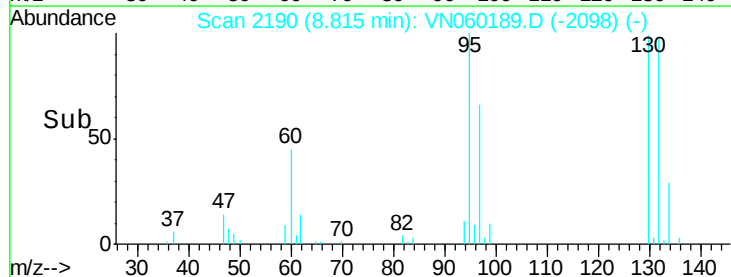
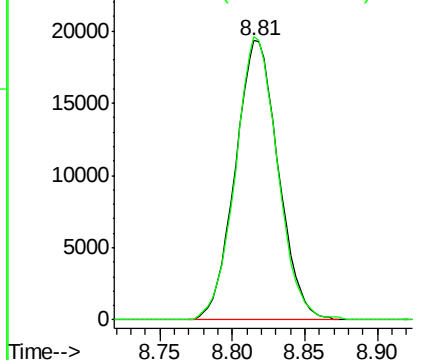


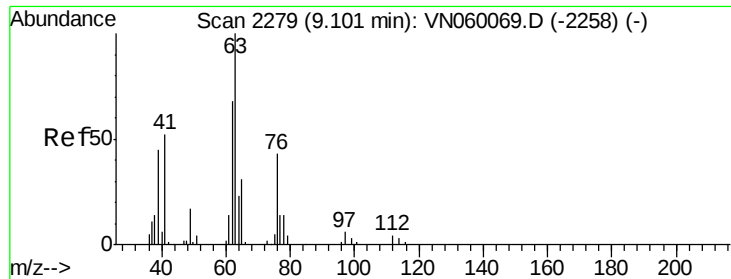
#44
Trichloroethene
Concen: 19.028 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 20.306 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 63 Resp: 38067

Ion Ratio Lower Upper

63 100

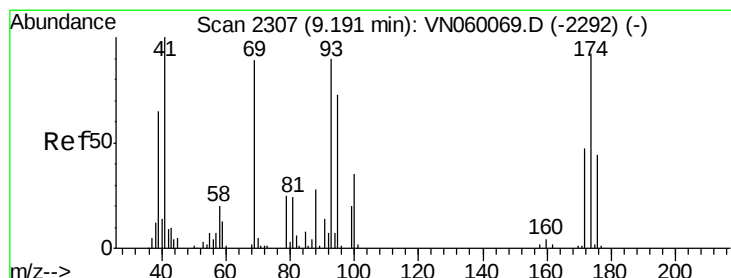
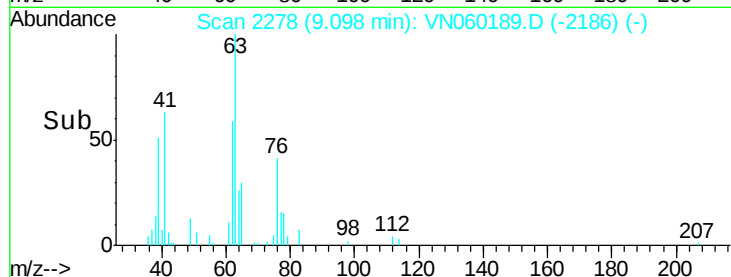
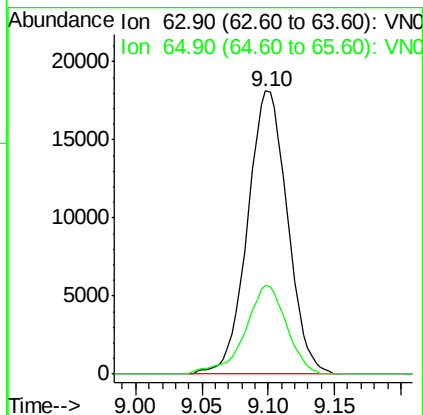
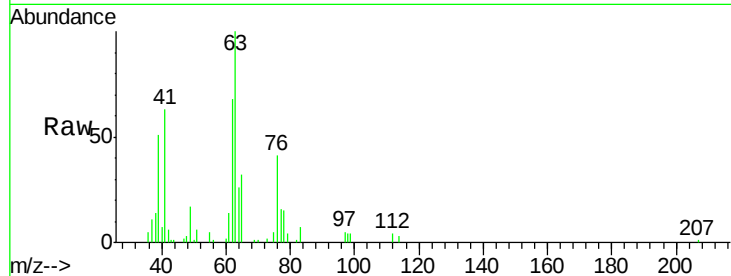
65 31.5 25.0 37.4

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2/24/2020 11:41:21 AM



#46

Dibromomethane

Concen: 19.860 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

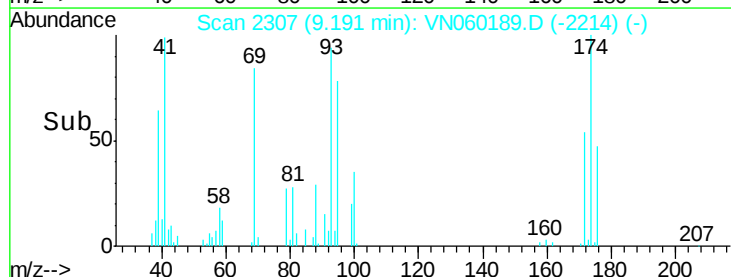
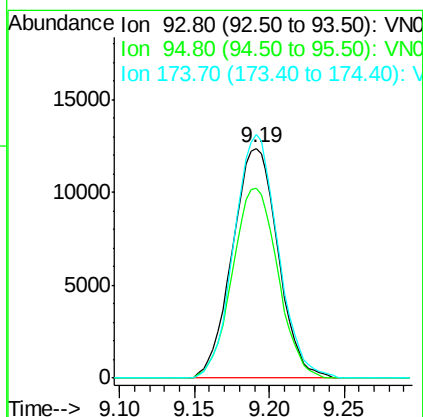
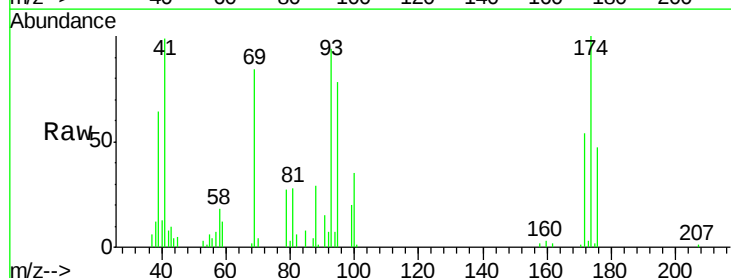
Tgt Ion: 93 Resp: 26310

Ion Ratio Lower Upper

93 100

95 82.1 65.0 97.6

174 101.9 82.3 123.5





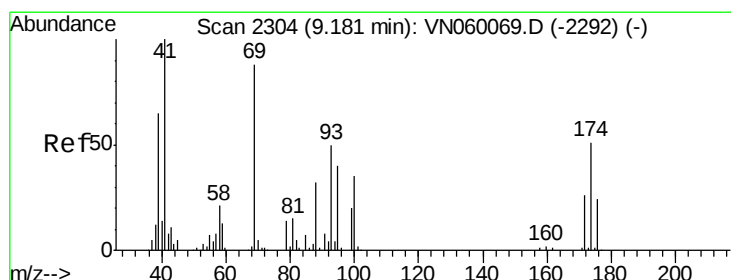
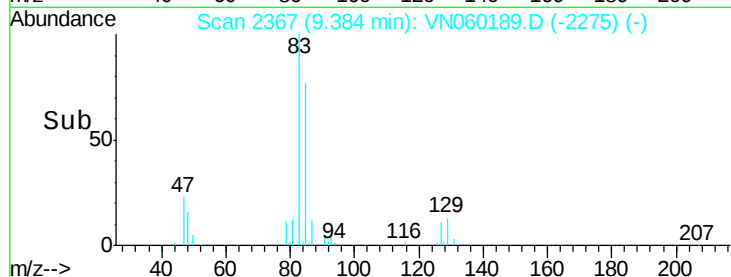
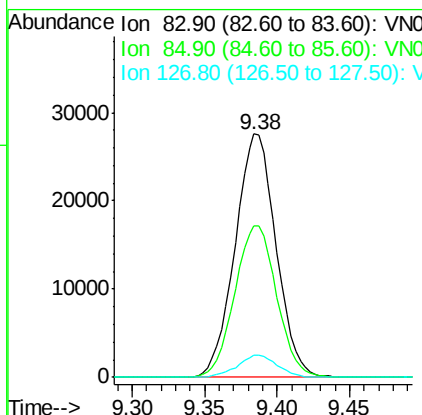
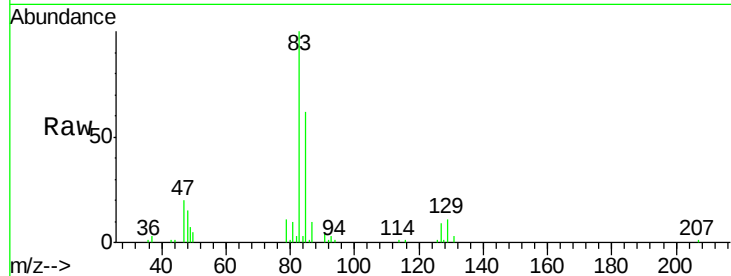
#47
Bromodichloromethane
Concen: 20.082 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	83	Resp	54087
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	50.6	75.8
127	8.9	7.0	10.6

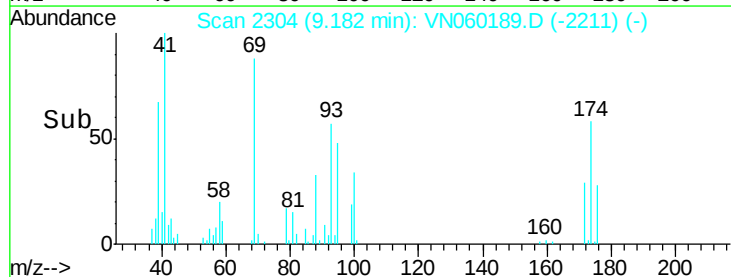
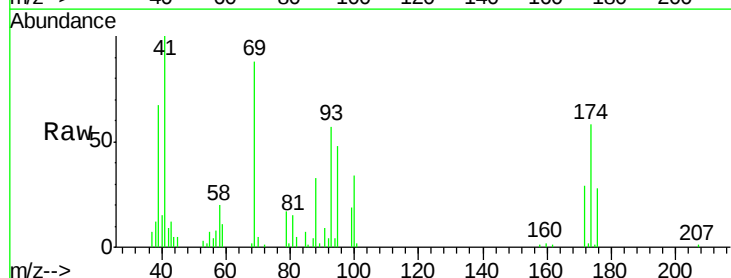
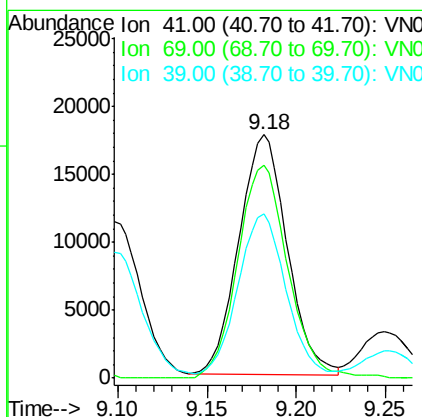
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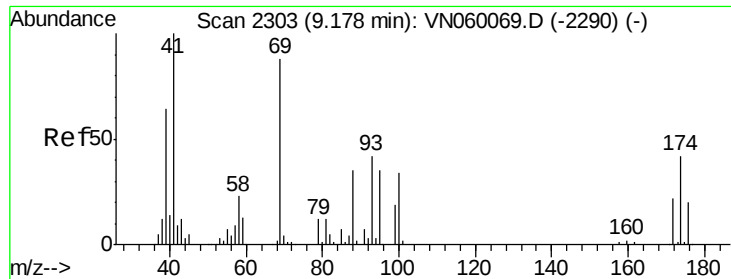
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2/24/2020 11:41:21 AM



#48
Methyl methacrylate
Concen: 18.809 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	41	Resp	33280
Ion Ratio	100	Lower	Upper
41	100		
69	92.3	72.0	108.0
39	66.0	54.1	81.1





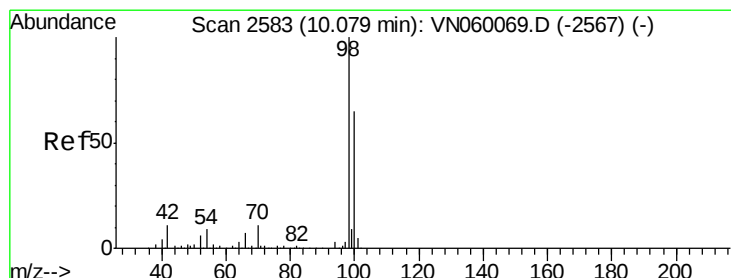
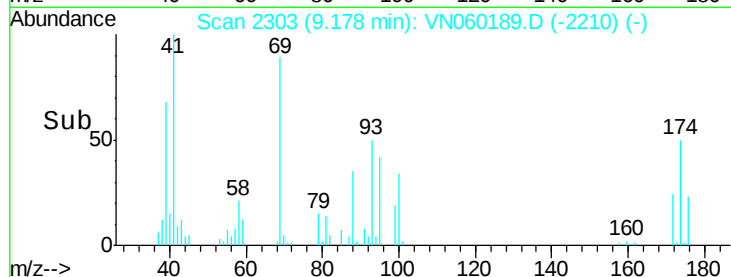
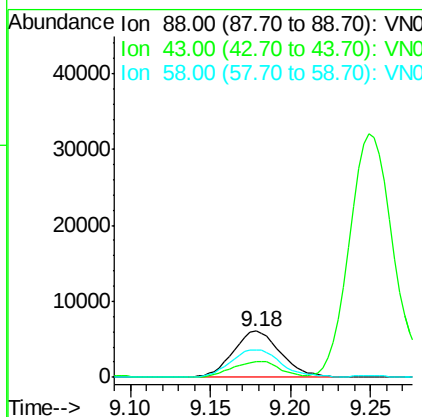
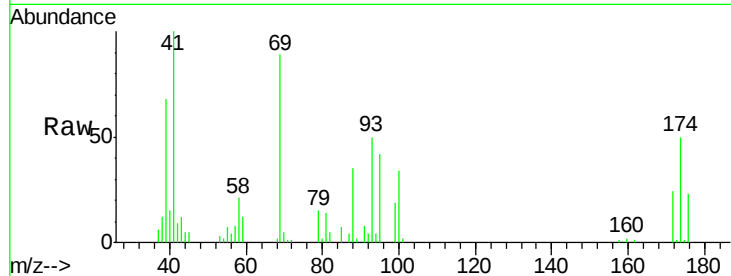
#49
1,4-Dioxane
Concen: 410.864 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.2	39.2
58	62.0	53.2	79.8

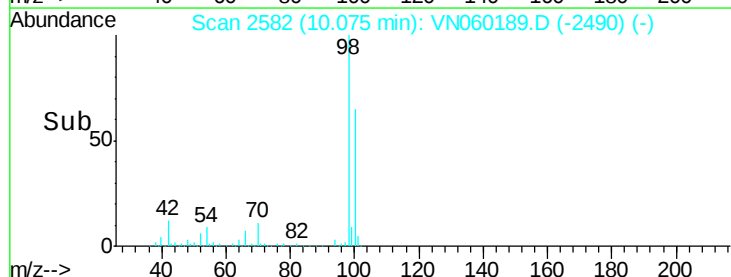
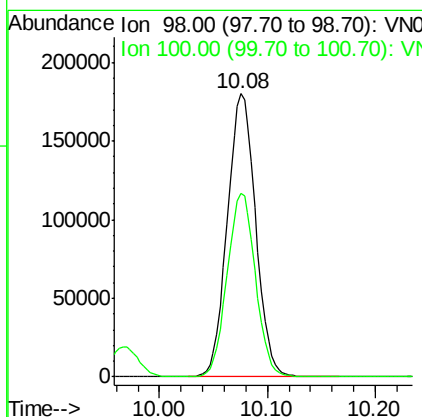
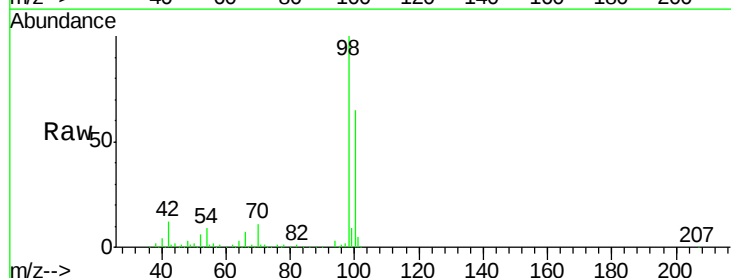
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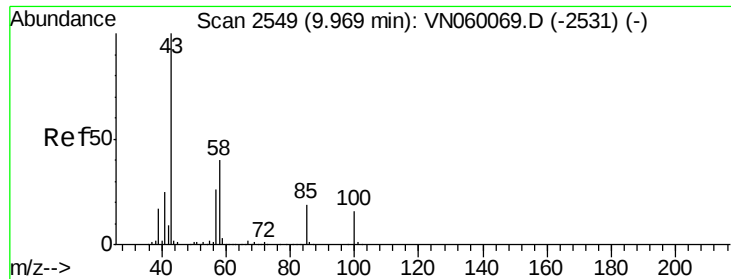
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2/24/2020 11:41:21 AM



#50
Toluene-d8
Concen: 49.446 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 99.335 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 43 Resp: 226745

Ion Ratio Lower Upper

43 100

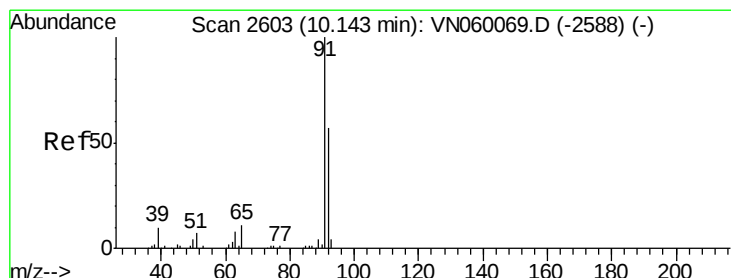
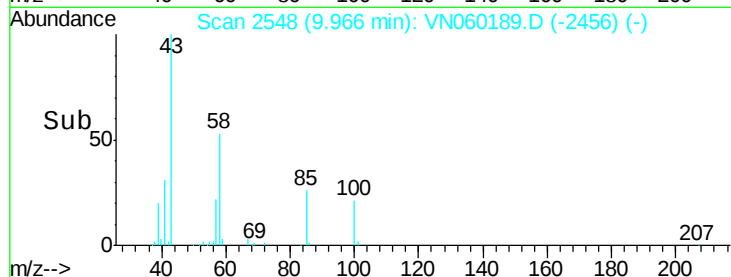
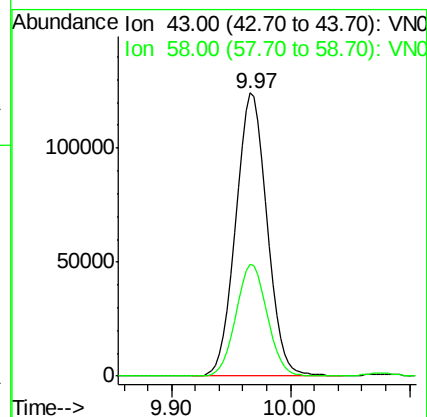
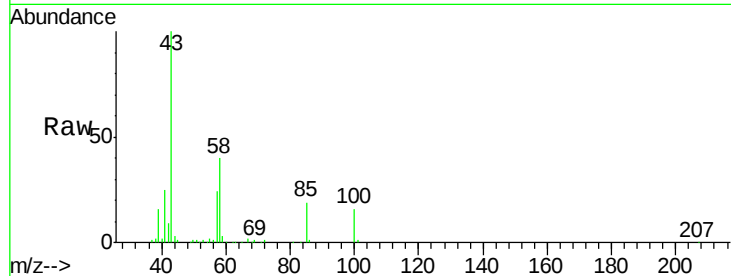
58 39.6 31.8 47.8

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2/24/2020 11:41:21 AM



#52

Toluene

Concen: 18.935 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060189.D

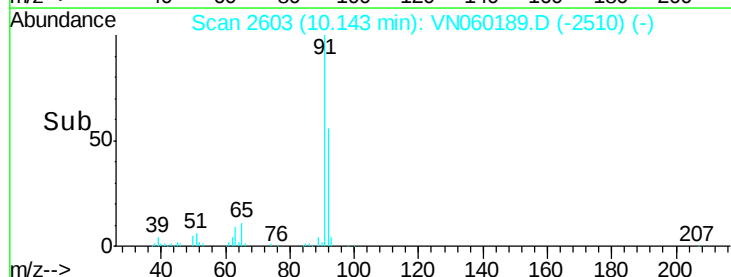
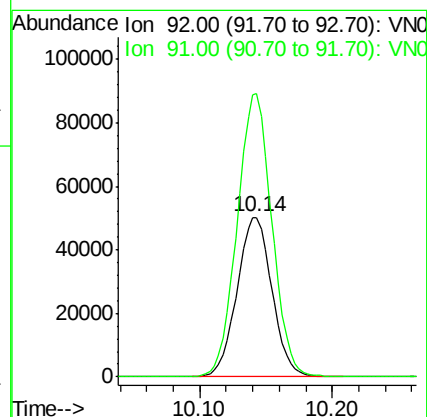
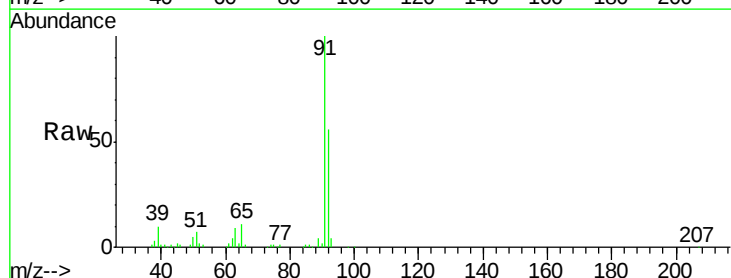
Acq: 21 Feb 2020 15:03

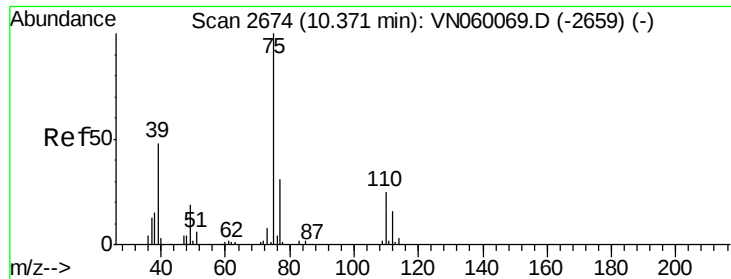
Tgt Ion: 92 Resp: 91945

Ion Ratio Lower Upper

92 100

91 176.2 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 19.373 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 75 Resp: 58898

Ion Ratio Lower Upper

75 100

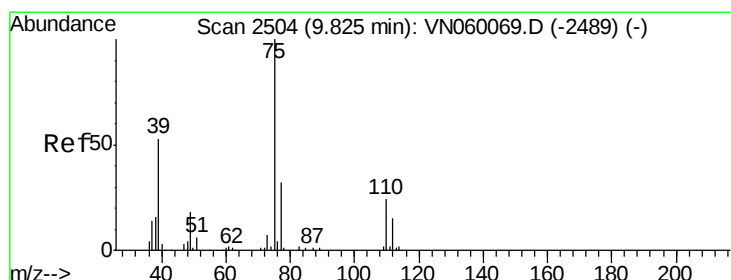
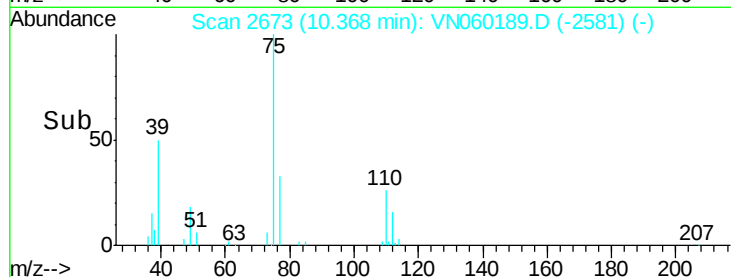
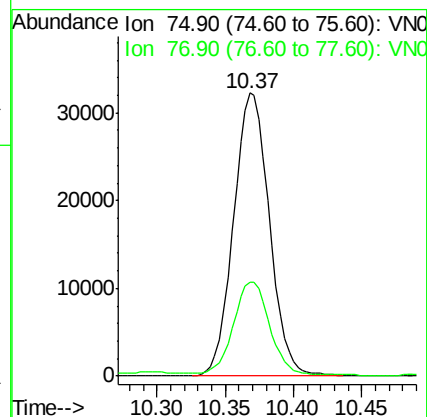
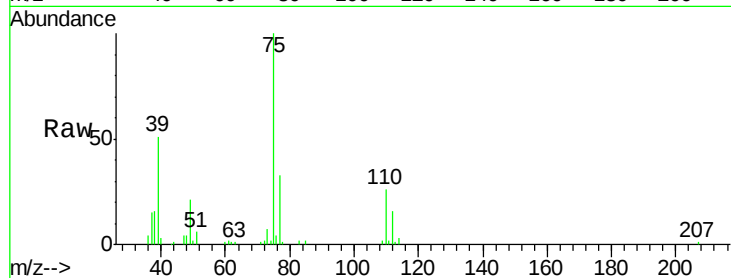
77 32.8 25.4 38.0

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2/24/2020 11:41:21 AM



#54

cis-1,3-Dichloropropene

Concen: 19.860 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

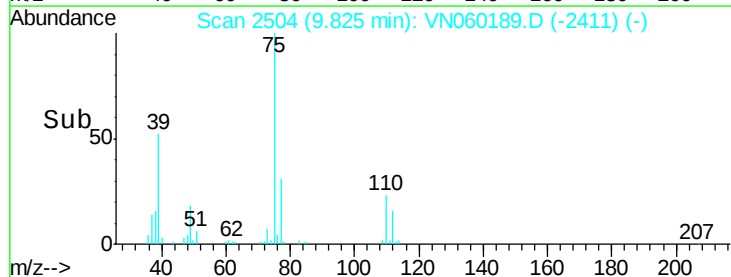
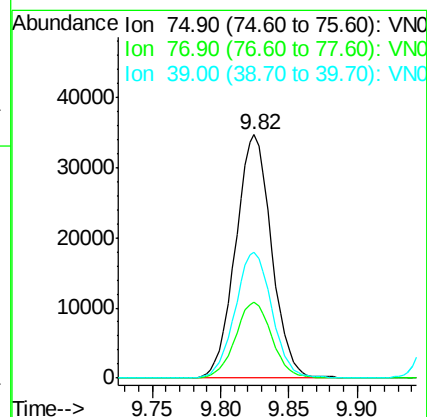
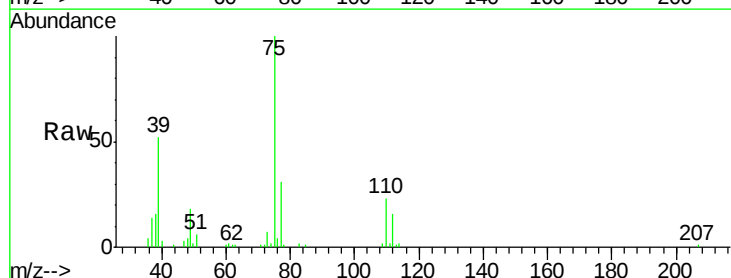
Tgt Ion: 75 Resp: 63577

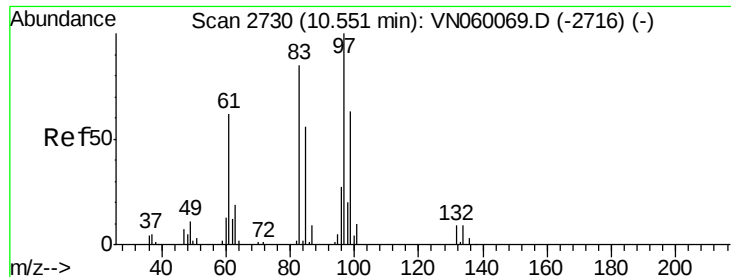
Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

39 51.8 42.2 63.4





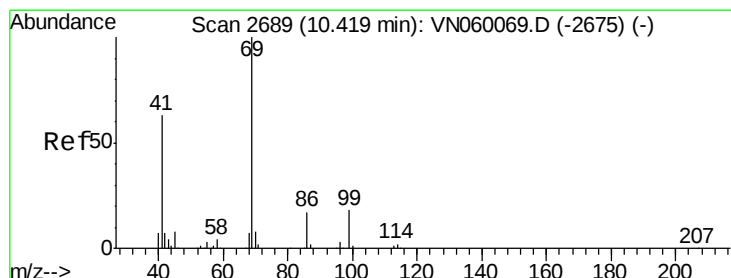
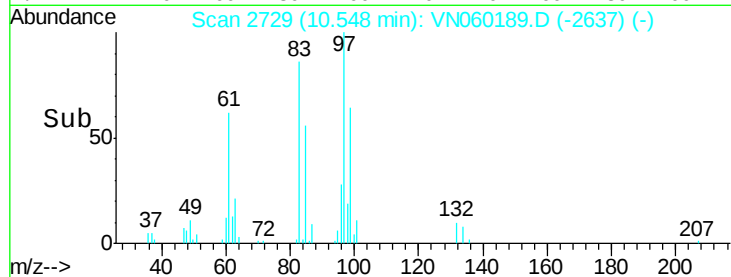
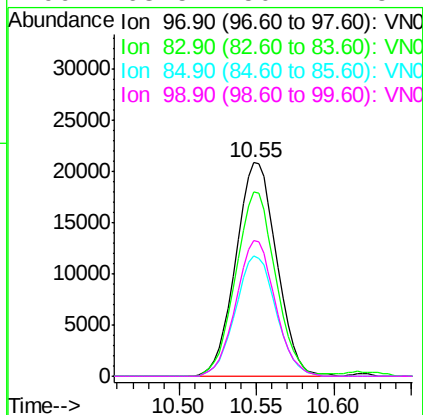
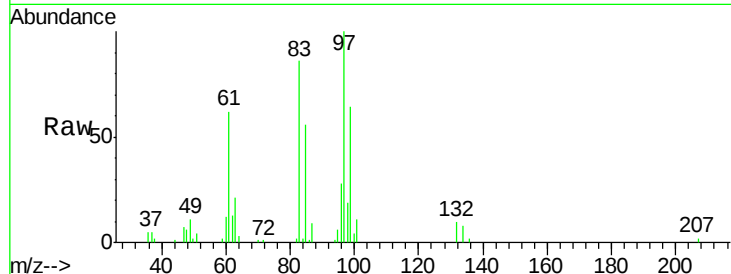
#55
 1,1,2-Trichloroethane
 Concen: 20.222 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBSD01

Tot Ion:	97	Resp:	38307
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.9	101.9
85	56.3	44.6	67.0
99	63.5	50.1	75.1

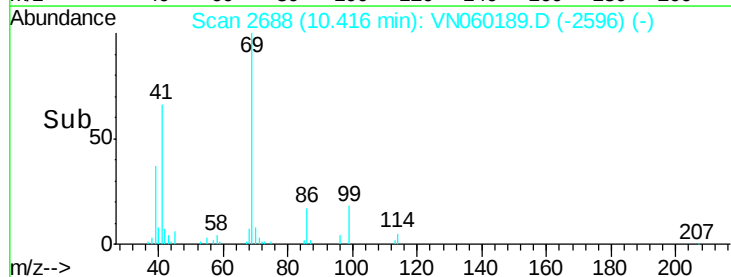
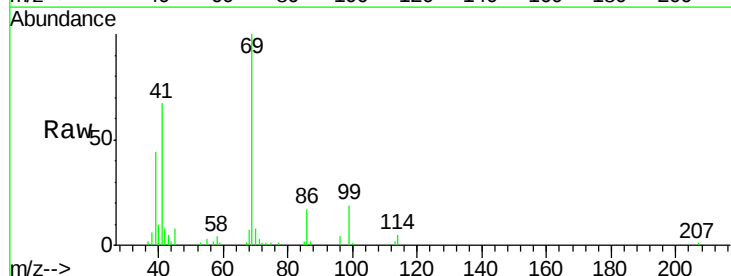
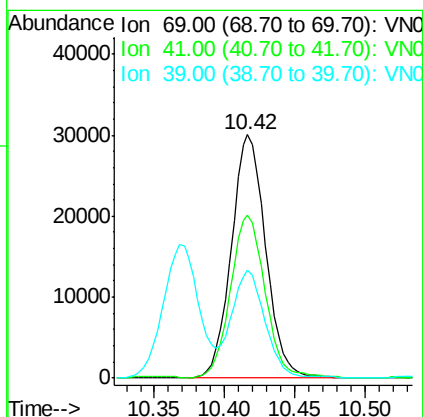
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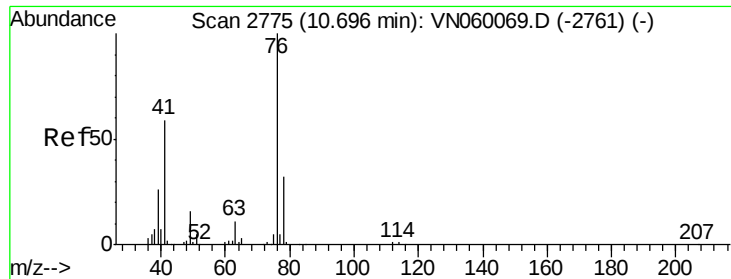
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#56
 Ethyl methacrylate
 Concen: 19.134 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Tgt Ion:	69	Resp:	51276
Ion	Ratio	Lower	Upper
69	100		
41	68.0	51.1	76.7
39	44.0	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.876 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBSD01

Tot Ion: 76 Resp: 62129

Ion Ratio Lower Upper

76 100

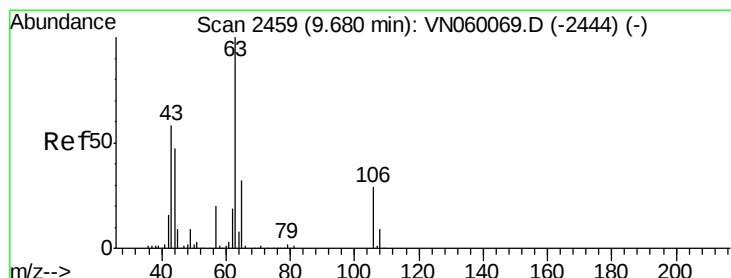
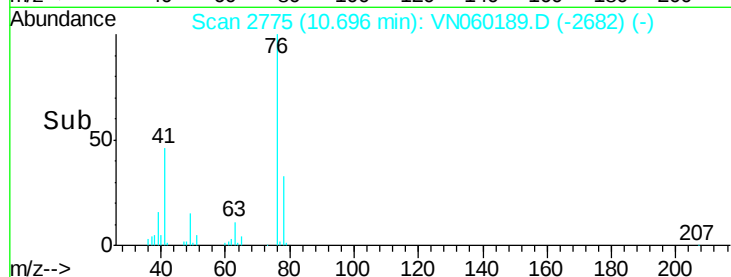
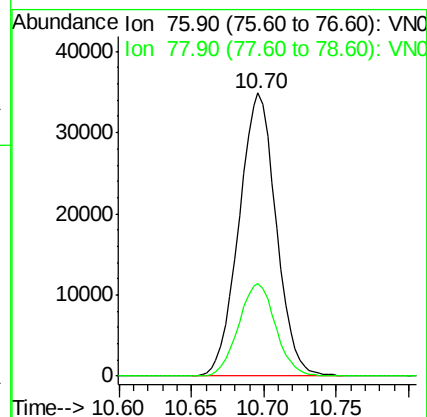
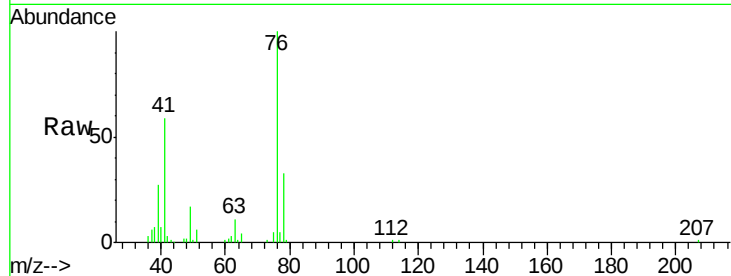
78 32.5 25.7 38.5

Manual Integrations

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2/24/2020 11:41:21 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.780 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060189.D

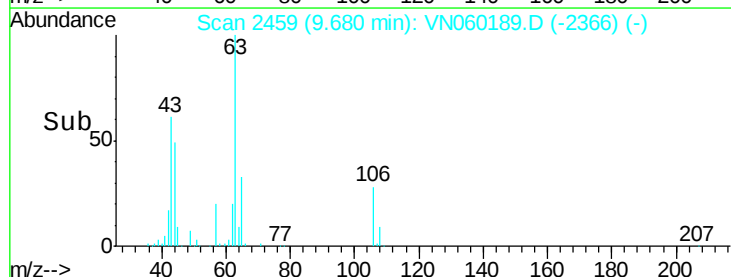
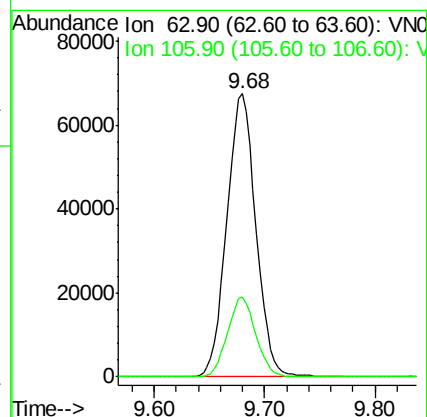
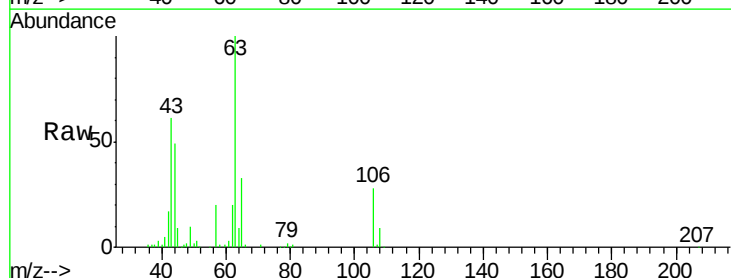
Acq: 21 Feb 2020 15:03

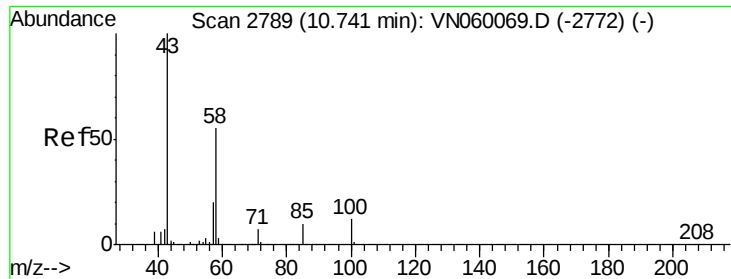
Tgt Ion: 63 Resp: 123320

Ion Ratio Lower Upper

63 100

106 27.5 22.9 34.3





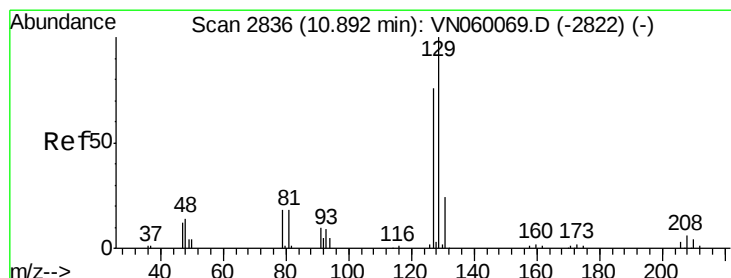
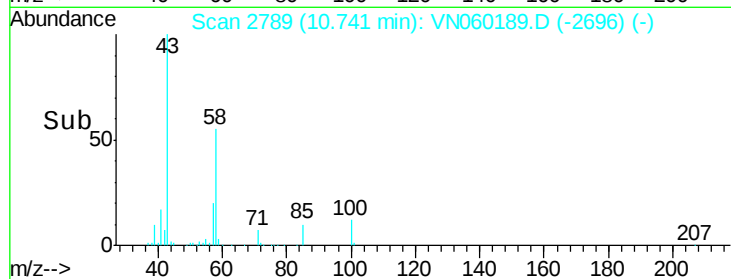
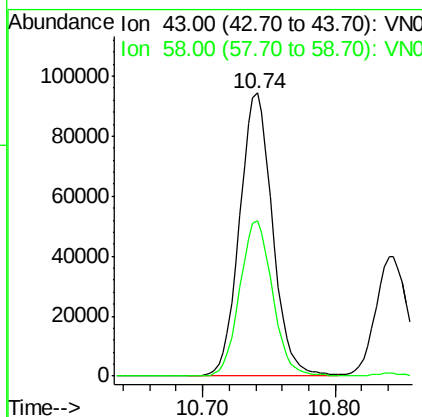
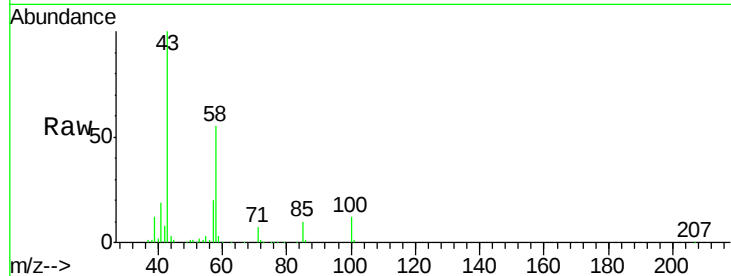
#59
2-Hexanone
Concen: 92.279 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion: 43 Resp: 162714
Ion Ratio Lower Upper
43 100
58 54.7 27.5 82.4

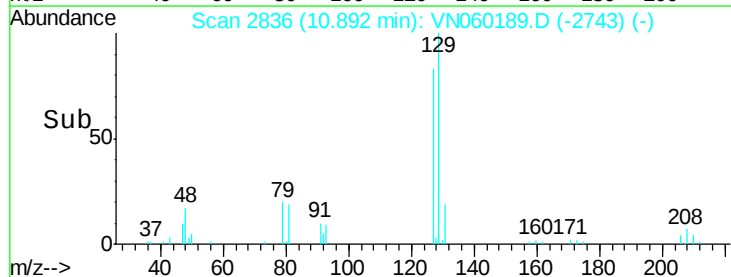
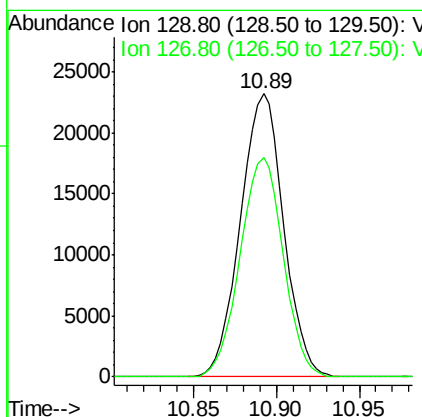
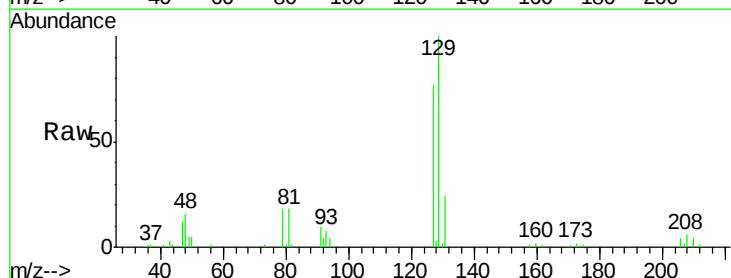
Manual Integrations
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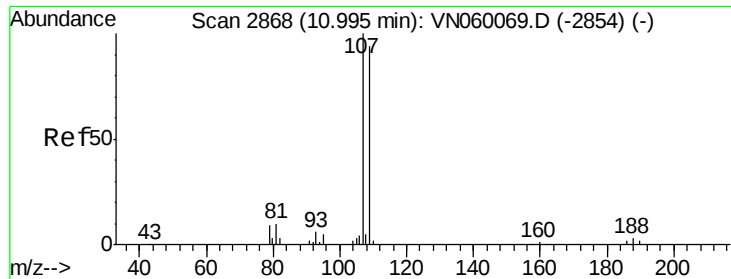
MMDadoda
2/24/2020 11:41:21 AM



#60
Dibromochloromethane
Concen: 19.338 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion: 129 Resp: 42038
Ion Ratio Lower Upper
129 100
127 77.1 38.0 114.1





#61

1,2-Dibromoethane

Concen: 19.041 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion:107 Resp: 37811

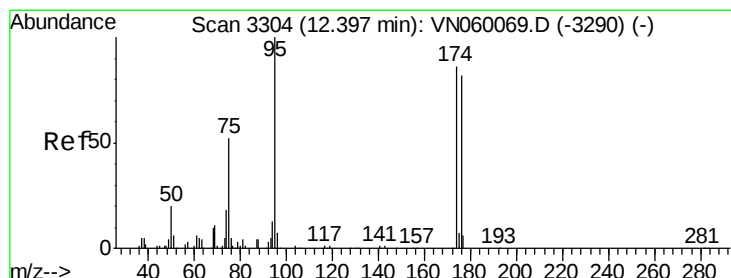
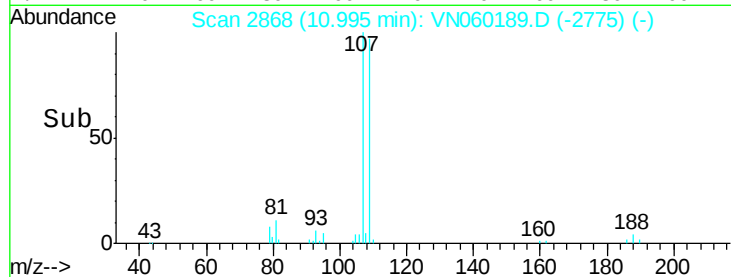
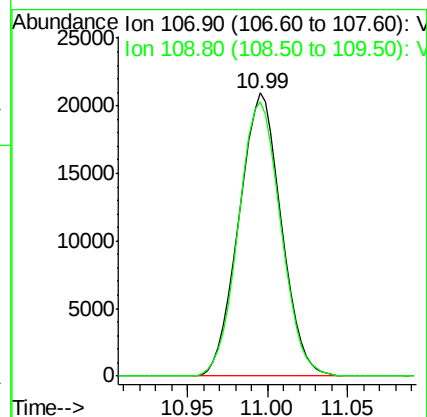
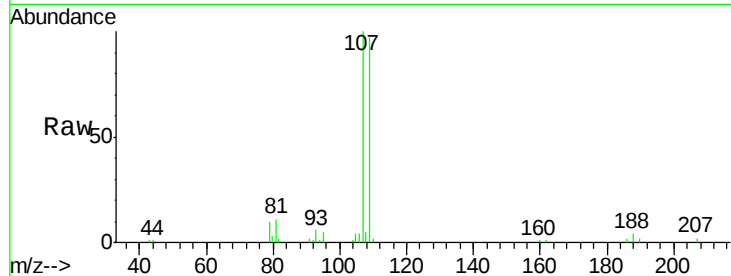
Ion Ratio Lower Upper

107 100

109 96.9 75.4 113.0

Manual Integrations
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2/24/2020 11:41:21 AM



#62

4-Bromofluorobenzene

Concen: 49.315 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

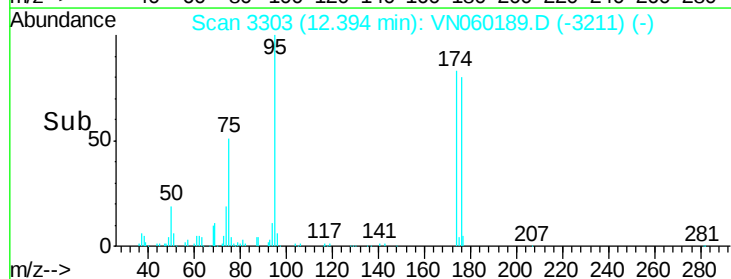
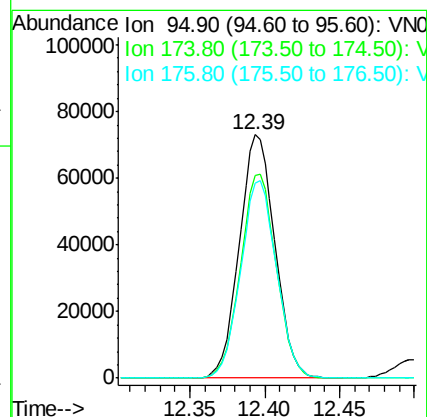
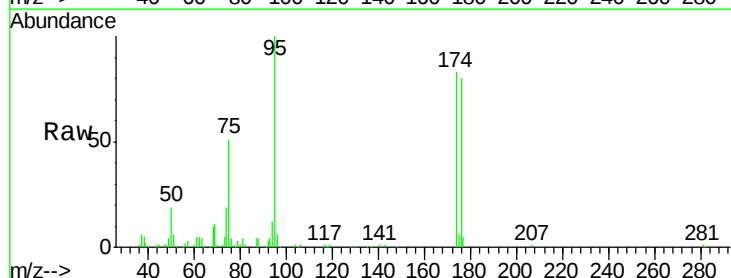
Tgt Ion: 95 Resp: 120886

Ion Ratio Lower Upper

95 100

174 84.2 0.0 169.8

176 81.8 0.0 164.8





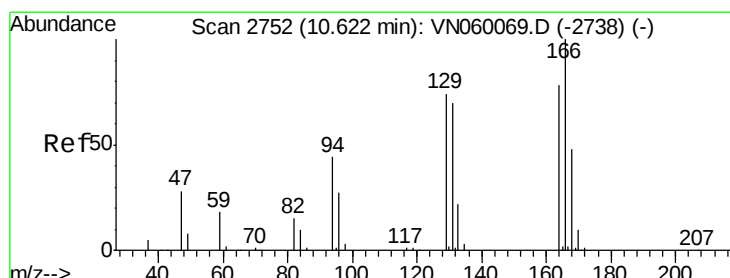
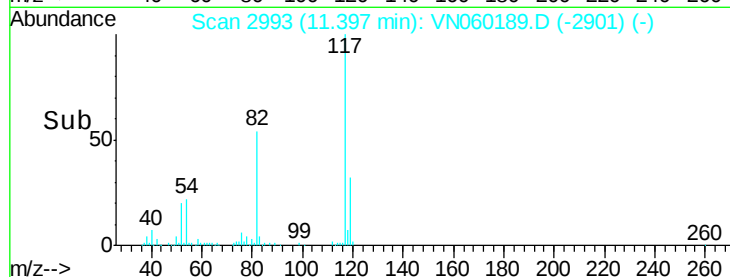
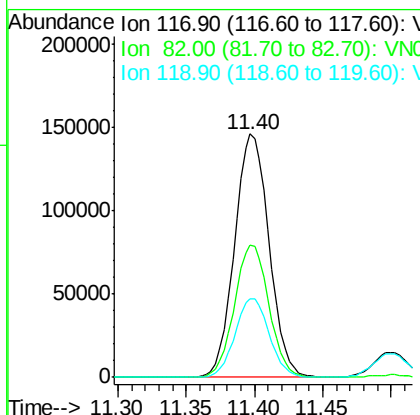
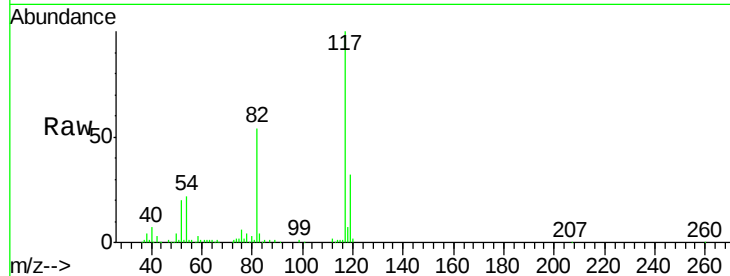
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.4	65.0
119	32.5	25.8	38.6

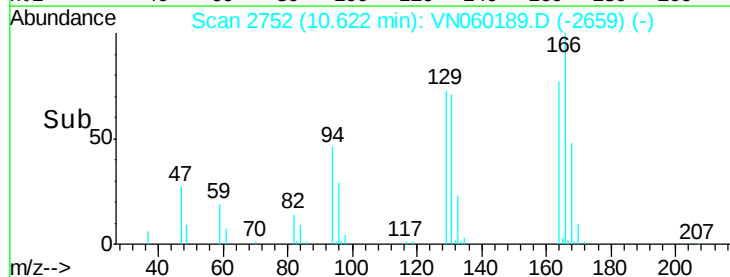
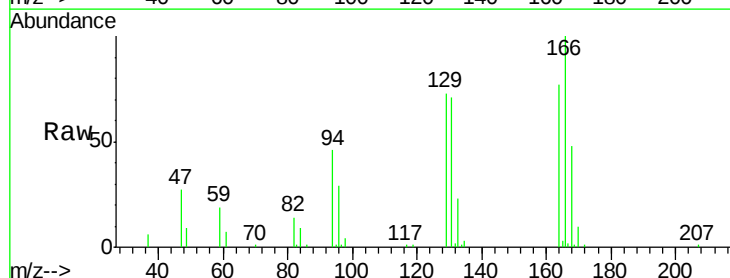
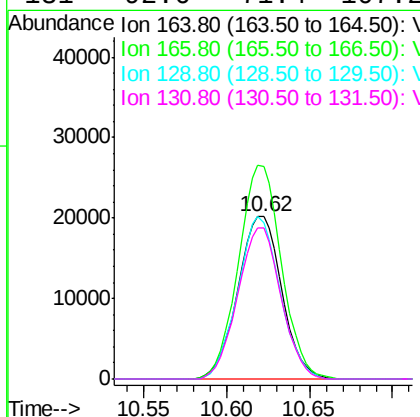
Manual Integrations
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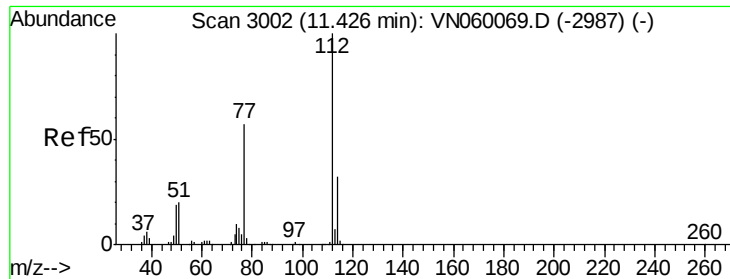
MMDadoda
2/24/2020 11:41:21 AM



#64
Tetrachloroethene
Concen: 19.107 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.9	152.9
129	95.9	75.4	113.0
131	92.6	71.4	107.2





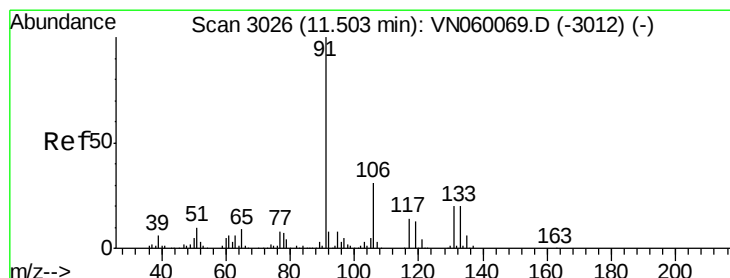
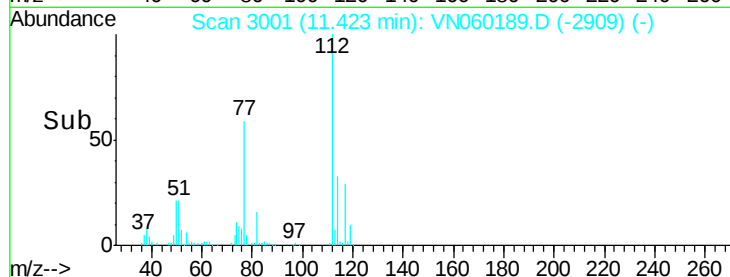
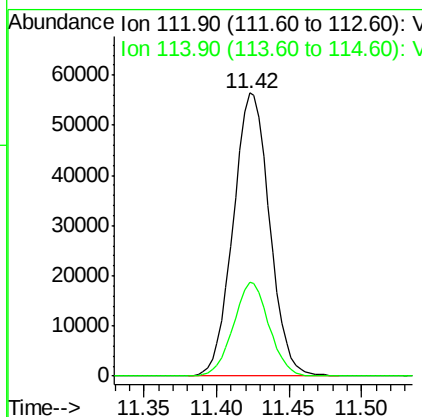
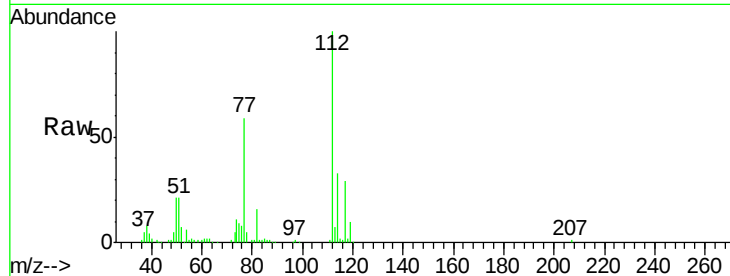
#65
Chlorobenzene
Concen: 18.874 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion:112 Resp: 98516
Ion Ratio Lower Upper
112 100
114 33.1 25.4 38.0

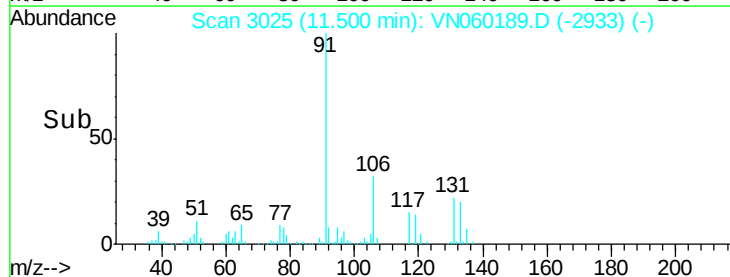
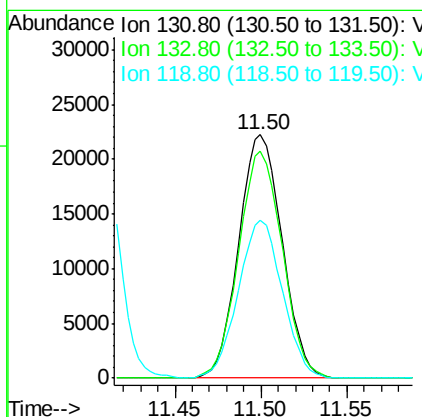
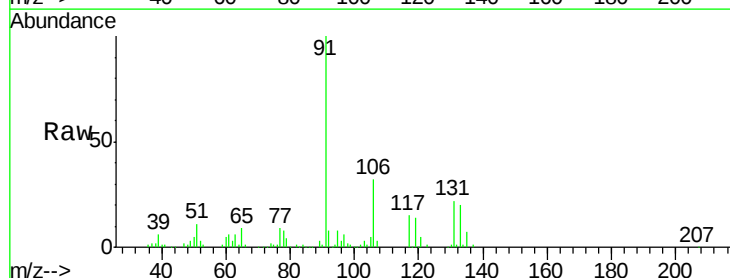
Manual Integrations
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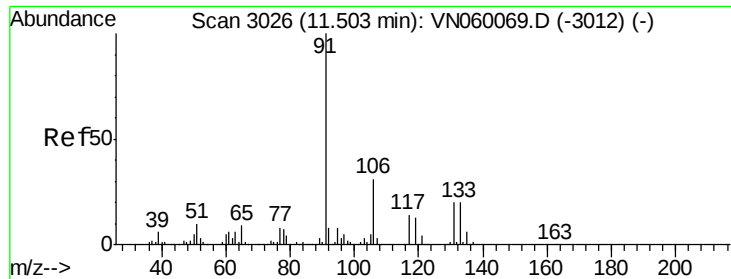
MMDadoda
2/24/2020 11:41:21 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.711 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion:131 Resp: 38922
Ion Ratio Lower Upper
131 100
133 93.8 47.9 143.7
119 65.7 32.6 97.7





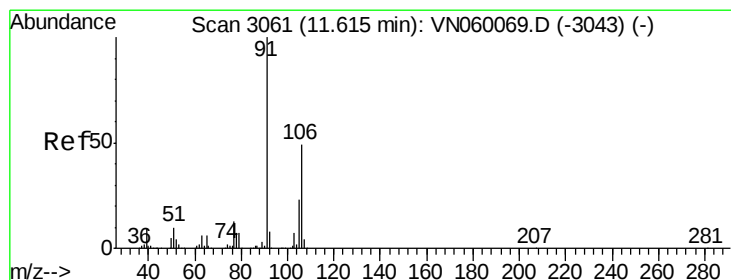
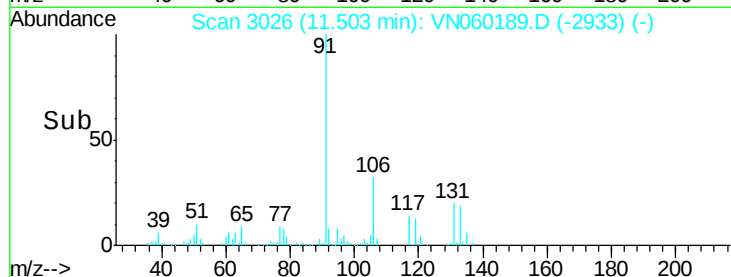
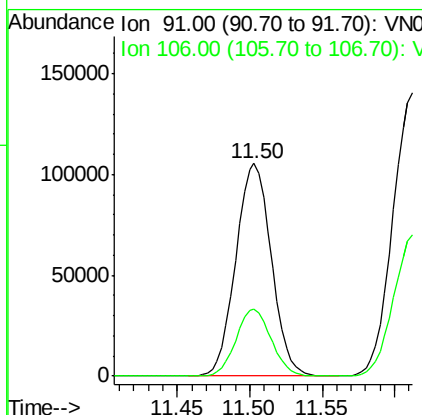
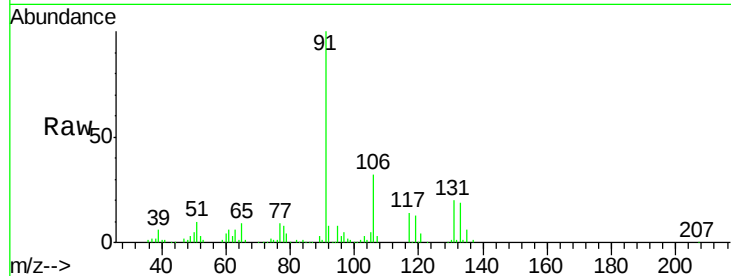
#67
Ethyl Benzene
Concen: 19.115 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion: 91 Resp: 179949
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

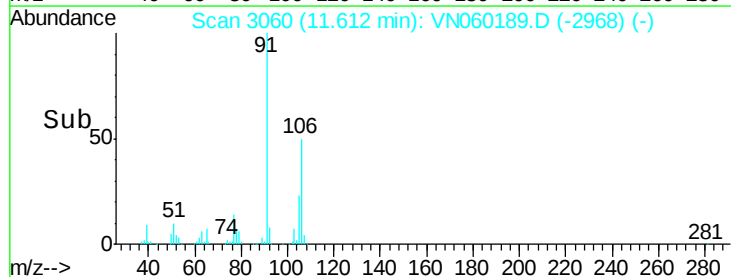
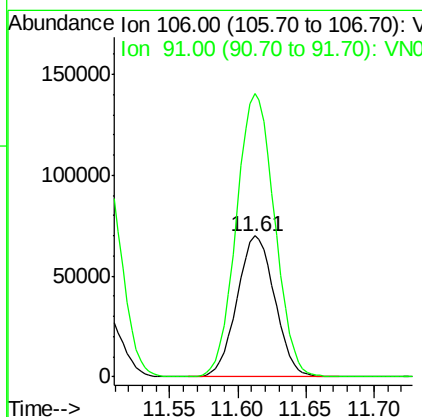
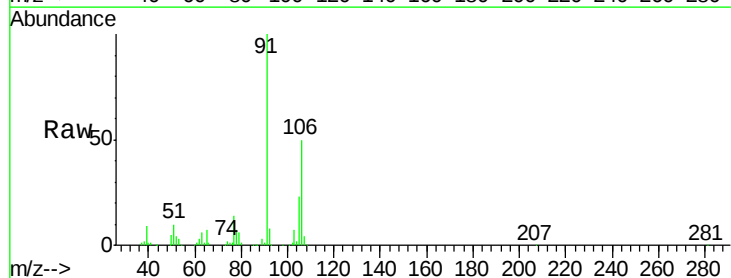
Manual Integrations
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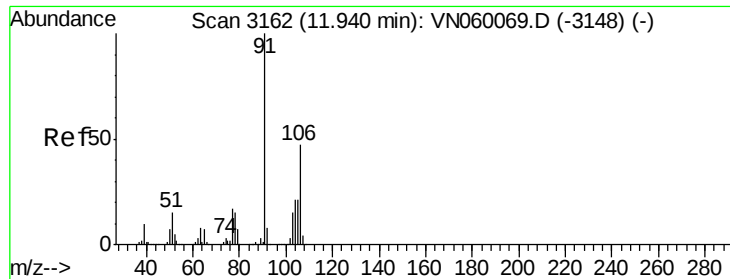
MMDadoda
2/24/2020 11:41:21 AM



#68
m/p-Xylenes
Concen: 37.960 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion: 106 Resp: 134123
Ion Ratio Lower Upper
106 100
91 203.1 162.7 244.1





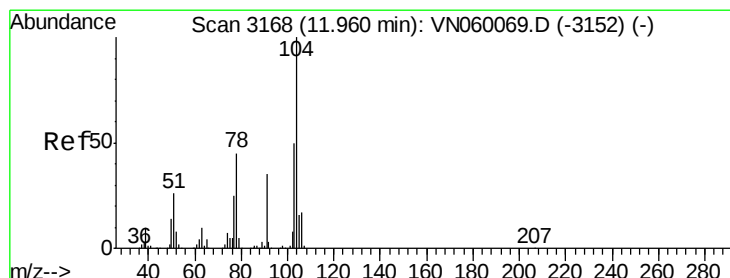
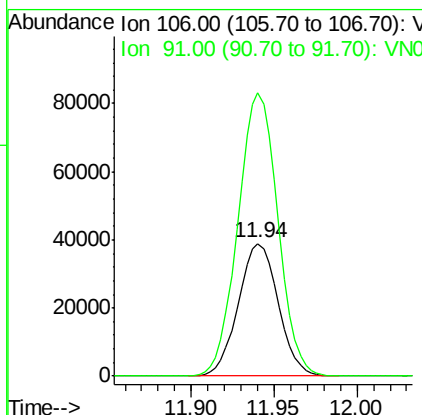
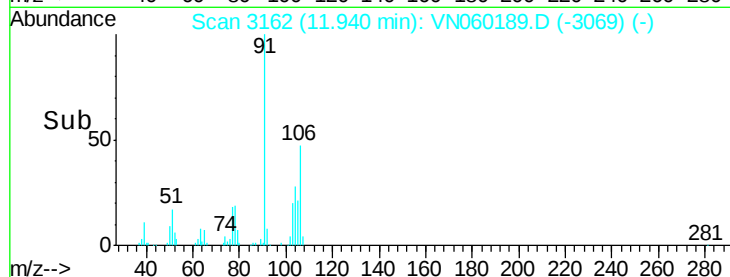
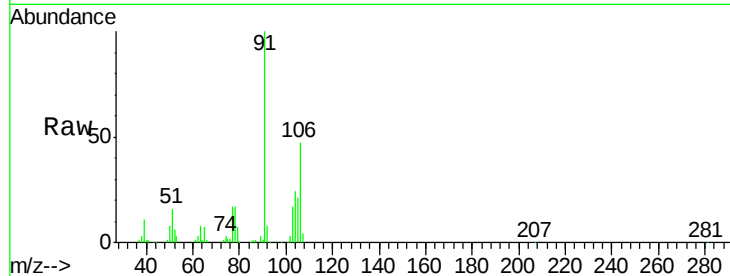
#69
o-Xylene
Concen: 19.151 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBSD01

Tot Ion:106 Resp: 65152
Ion Ratio Lower Upper
106 100
91 214.2 107.2 321.6

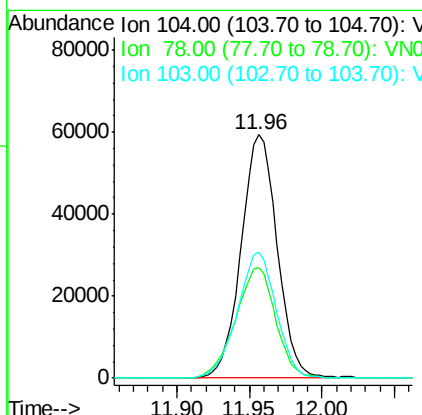
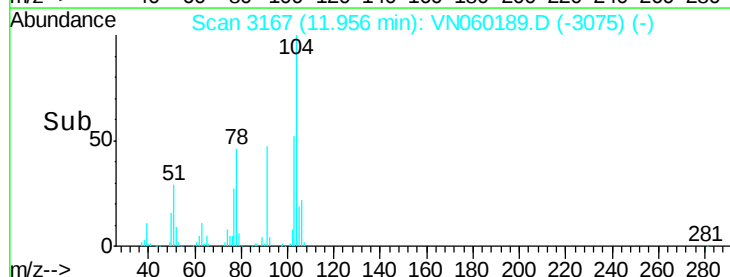
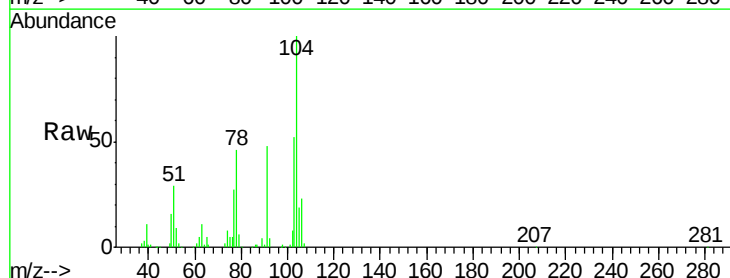
Manual Integrations
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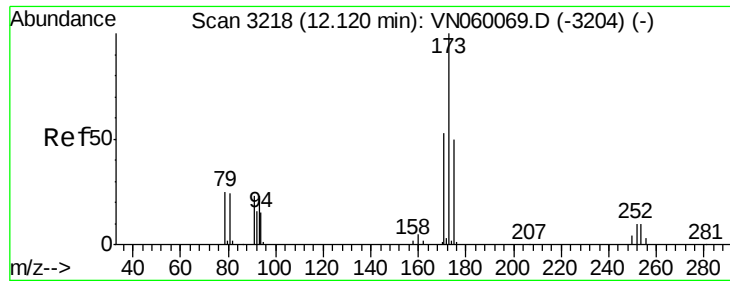
MMDadoda
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#70
Styrene
Concen: 18.746 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion:104 Resp: 102841
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.2
103 55.8 44.3 66.5





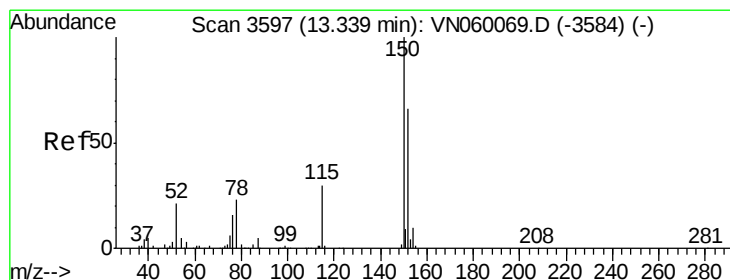
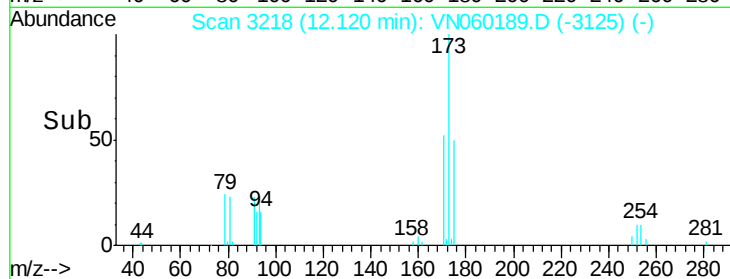
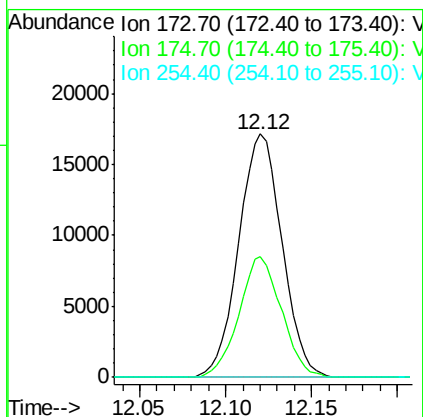
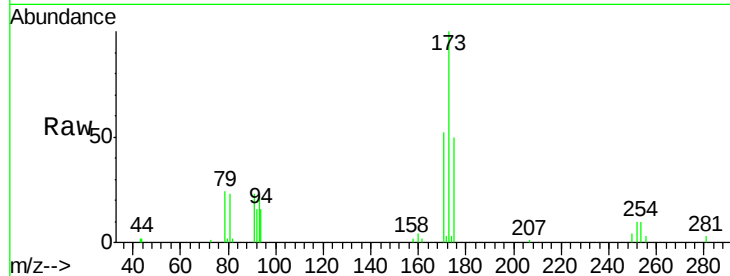
#71
Bromoform
Concen: 18.898 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.9	74.6
254	0.0	0.0	0.0

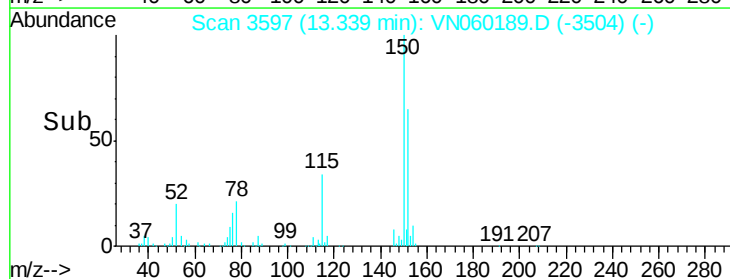
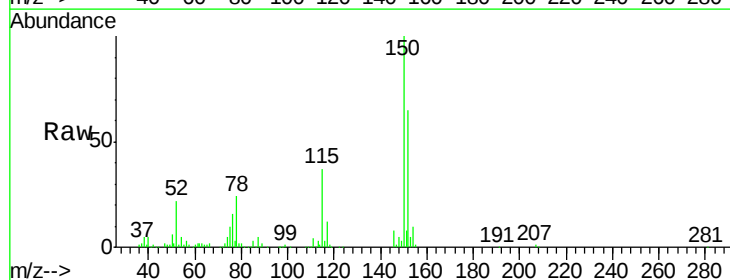
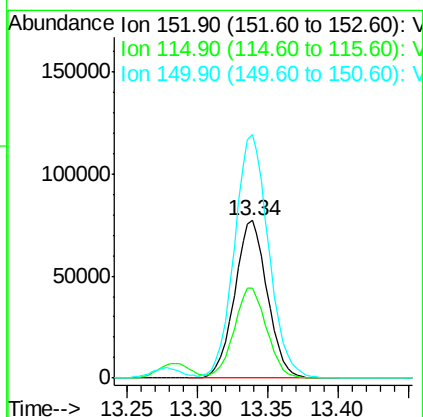
Manual Integrations
APPROVED

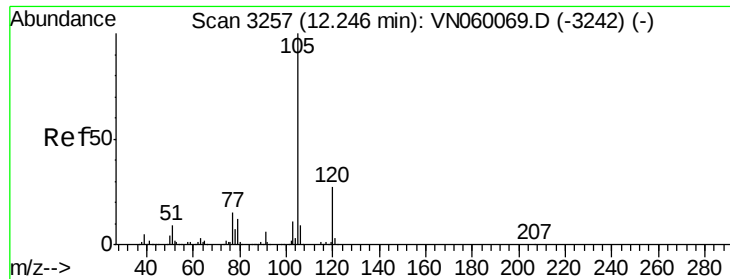
MMDadoda
2/24/2020 11:41:21 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.8
150	162.6	0.0	342.4





#73

Isopropylbenzene

Concen: 18.903 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 105 Resp: 176321

Ion Ratio Lower Upper

105 100

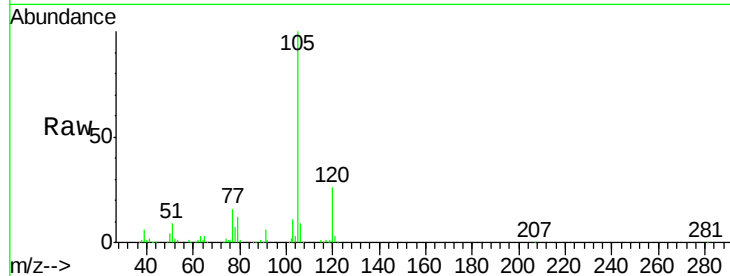
120 26.4 13.3 39.8

Manual Integrations

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MMDadoda

2/24/2020 11:41:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

40000

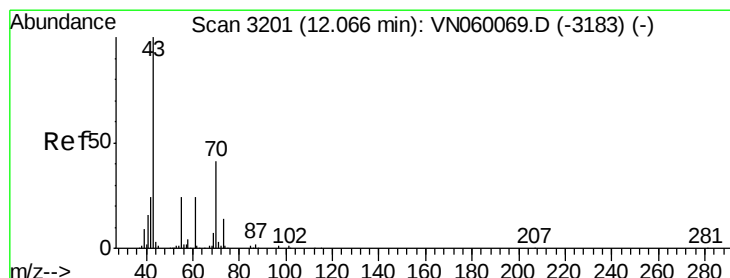
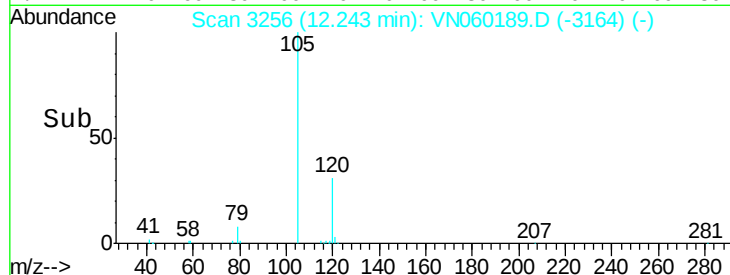
20000

0

Time-->

12.20 12.25 12.30

12.24



#74

N-ethyl acetate

Concen: 19.348 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion: 43 Resp: 65076

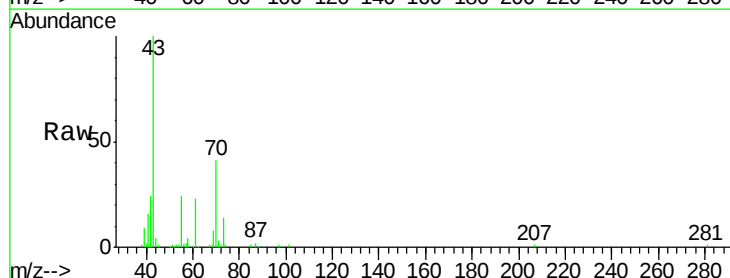
Ion Ratio Lower Upper

43 100

70 41.0 33.4 50.0

55 23.5 18.8 28.2

61 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

20000

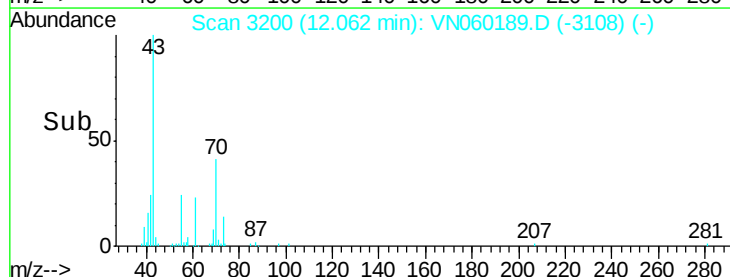
10000

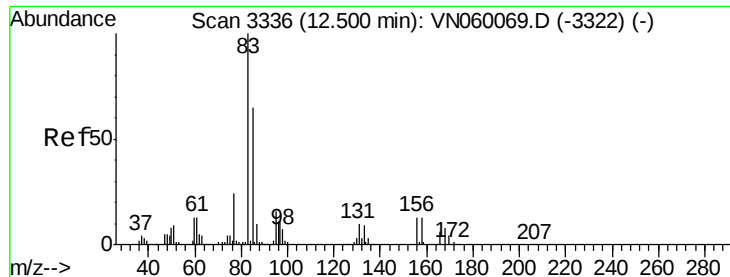
0

Time-->

12.00 12.10

12.06





#75

1,1,2,2-Tetrachloroethane

Concen: 19.550 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

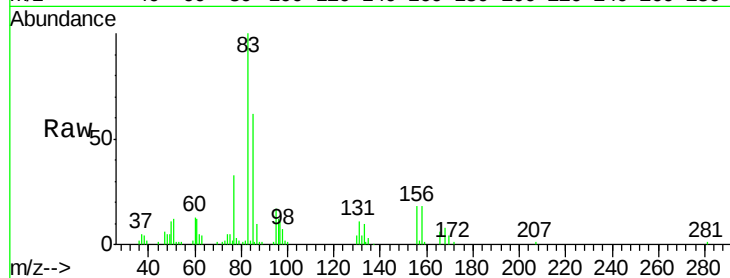
ClientSampleId :

VN0221MBSD01

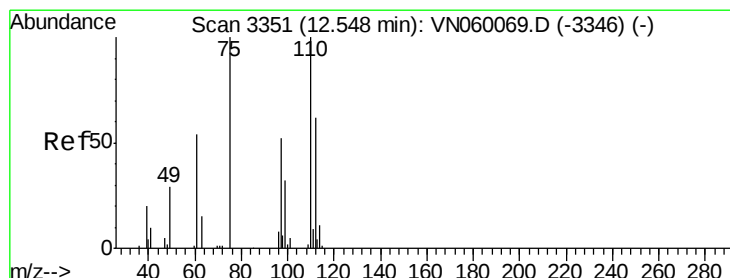
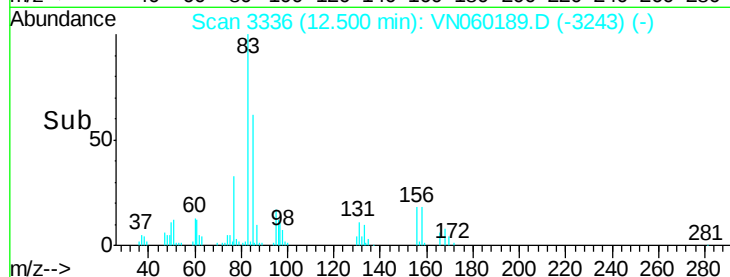
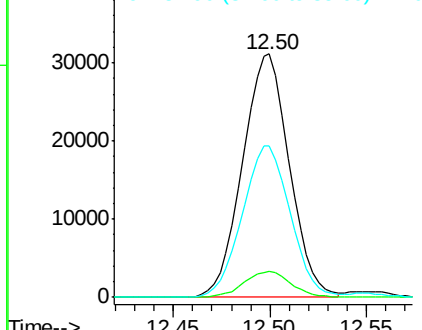
Tot Ion:	83	Resp:	52486
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	63.9	32.3	96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060189.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 19.305 ug/l m

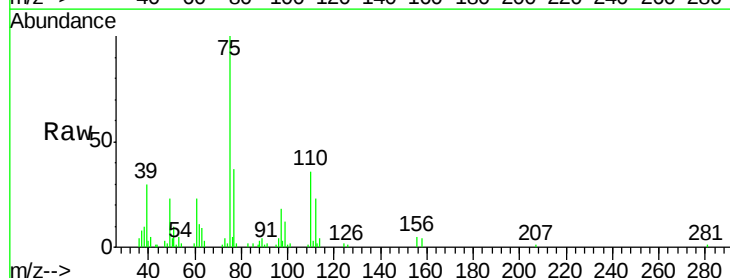
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

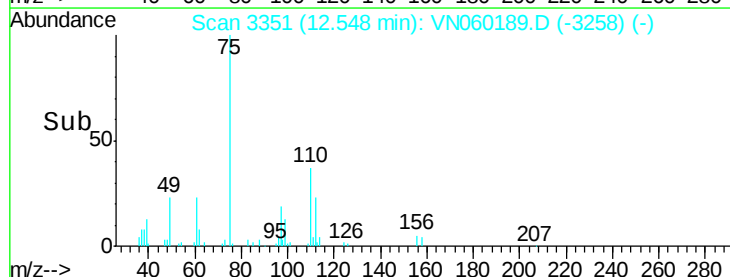
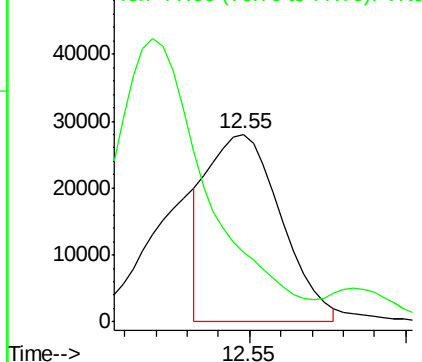
Lab File: VN060189.D

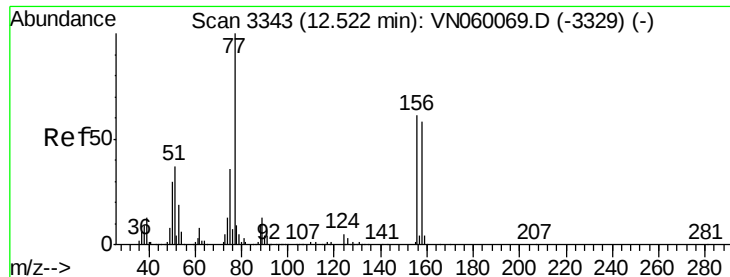
Acq: 21 Feb 2020 15:03

Tgt Ion:	75	Resp:	46135
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060189.D (-3258) (-)





#77

Bromobenzene

Concen: 18.970 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

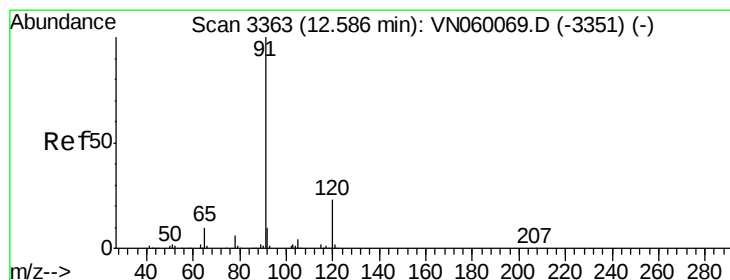
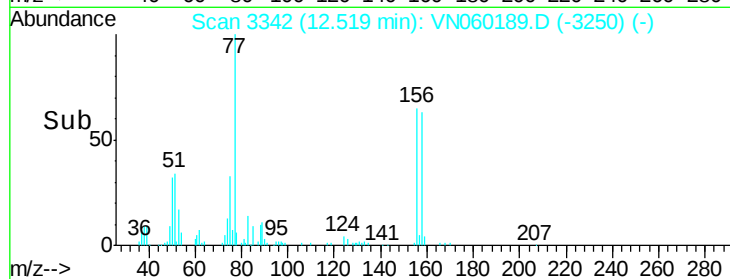
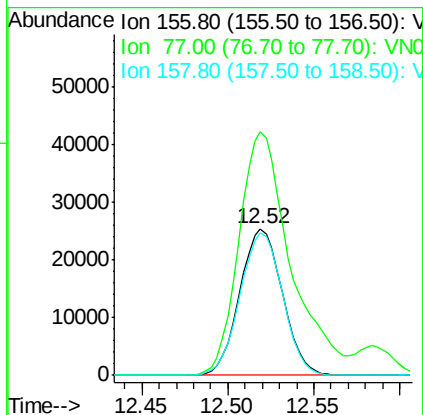
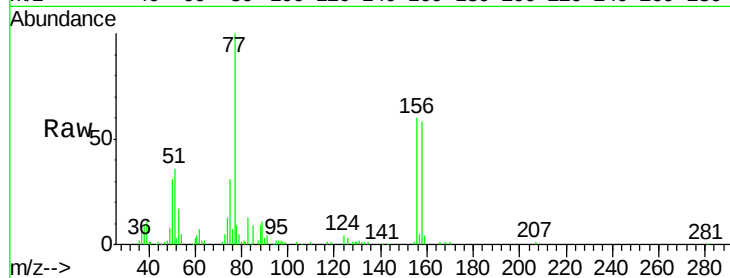
ClientSampleId :

VN0221MBSD01

Tot Ion:	156	Resp:	43912
Ion Ratio	Lower	Upper	
156	100		
77	202.1	98.7	296.1
158	97.1	48.1	144.4

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#78

n-propylbenzene

Concen: 18.731 ug/l

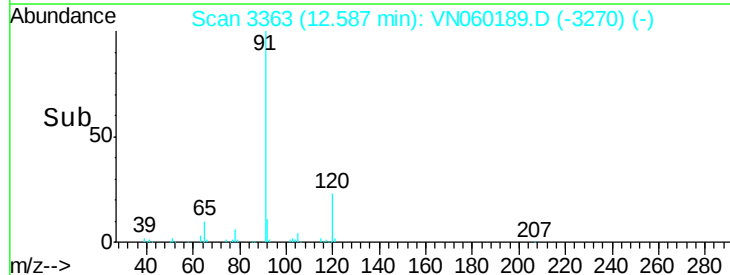
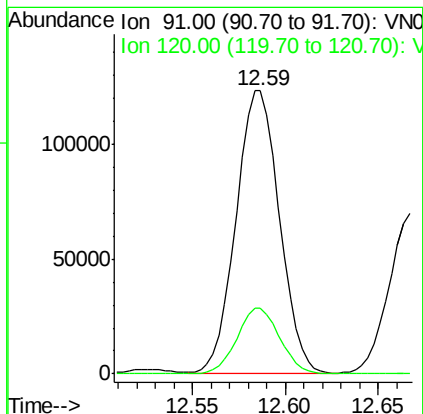
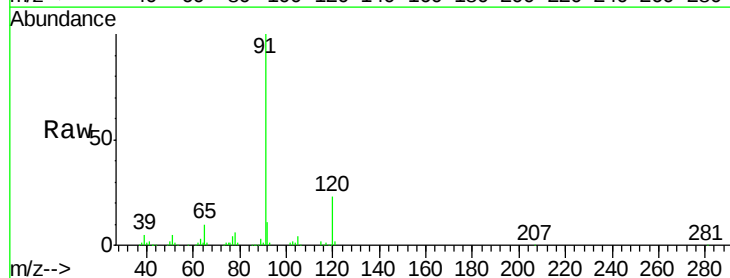
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion:	91	Resp:	199057
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.810 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

ClientSampleId :

VN0221MBS01

Tot Ion: 91 Resp: 117490

Ion Ratio Lower Upper

91 100

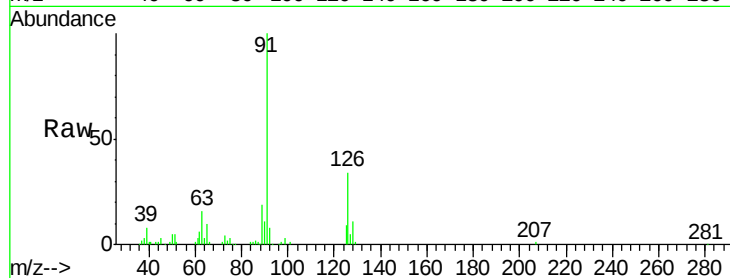
126 34.6 17.4 52.2

Manual Integrations

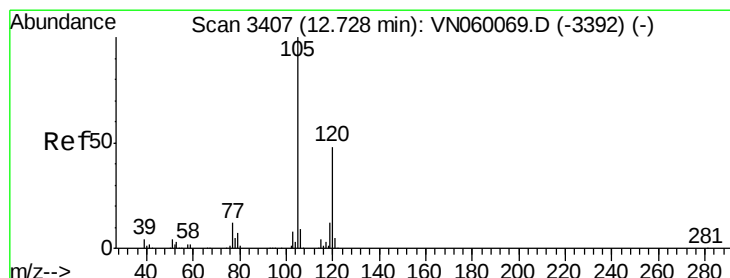
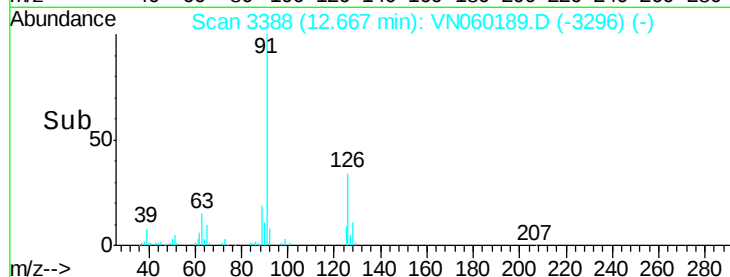
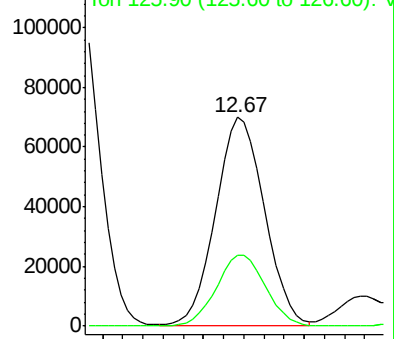
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.796 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060189.D

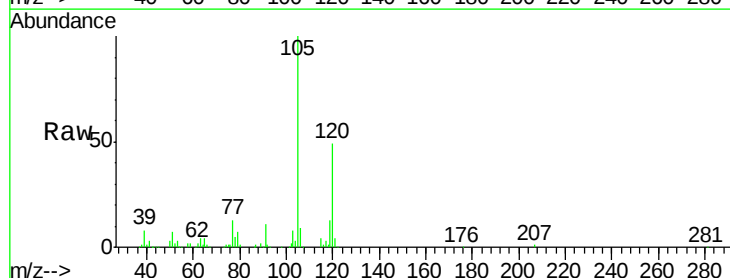
Acq: 21 Feb 2020 15:03

Tgt Ion: 105 Resp: 145767

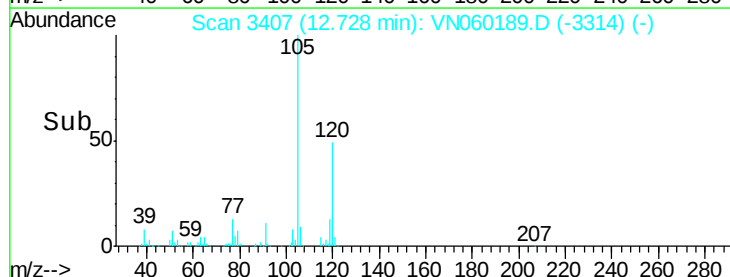
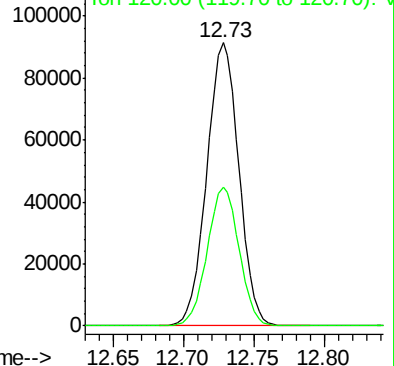
Ion Ratio Lower Upper

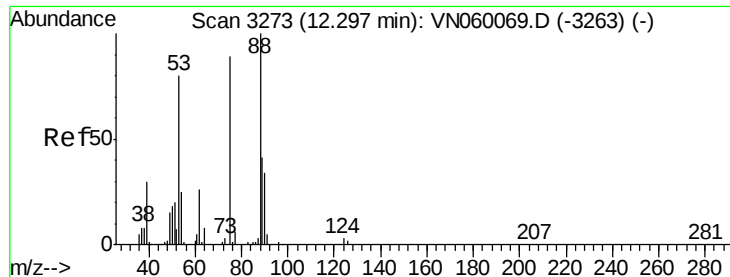
105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.650 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

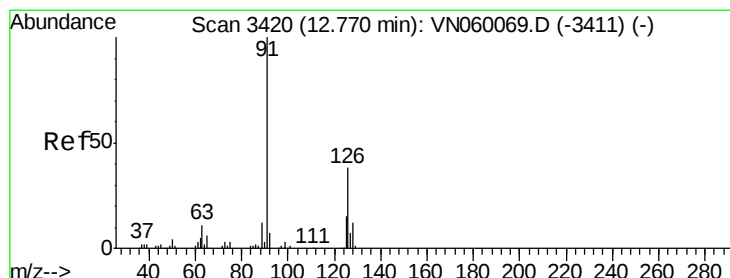
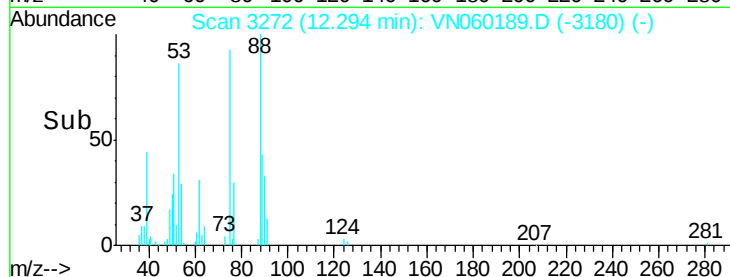
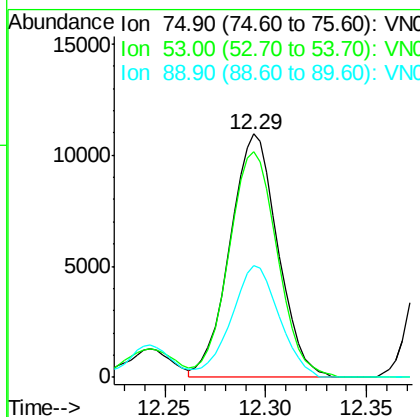
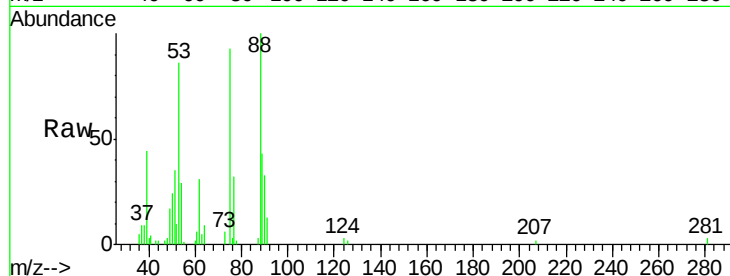
ClientSampleId :

VN0221MBS01

Tot Ion:	75	Resp:	18203
Ion Ratio	Lower	Upper	
75	100		
53	94.2	73.9	110.9
89	45.6	37.0	55.4

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#82

4-Chlorotoluene

Concen: 18.774 ug/l

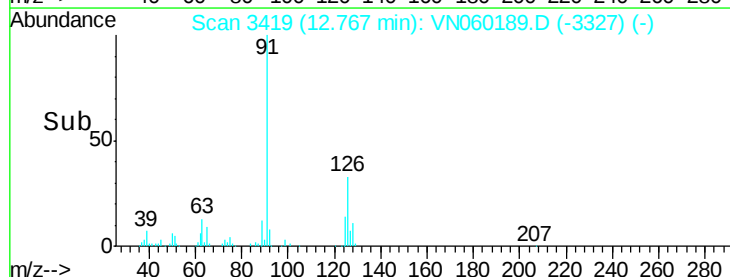
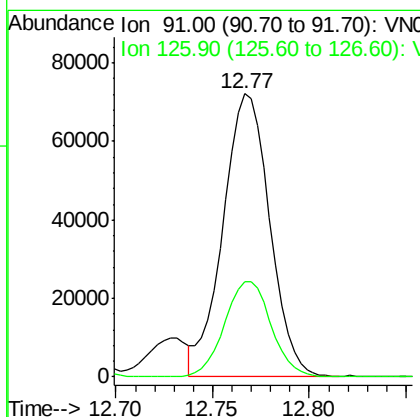
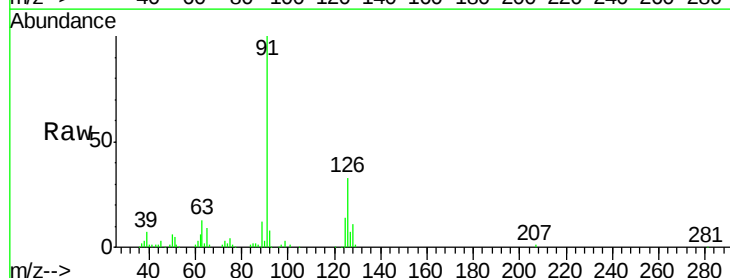
RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion:	91	Resp:	120310
Ion Ratio	Lower	Upper	
91	100		
126	33.8	17.1	51.3





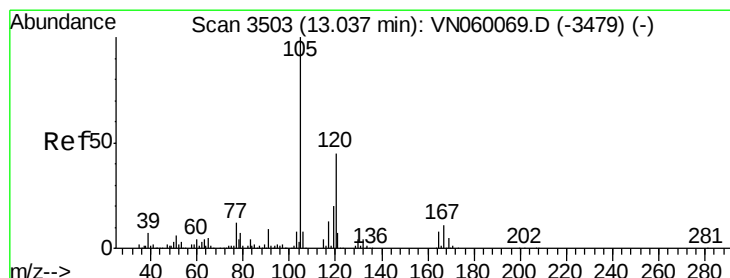
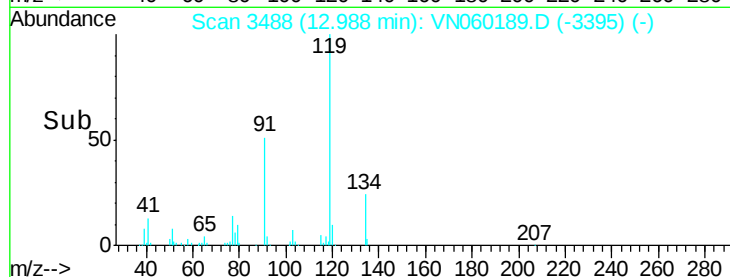
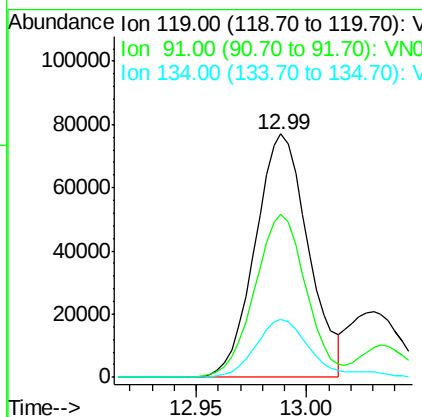
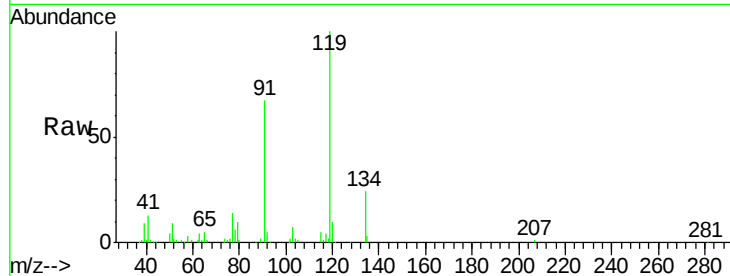
#83
tert-Butylbenzene
Concen: 18.707 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.7	98.1
134	25.1	12.9	38.7

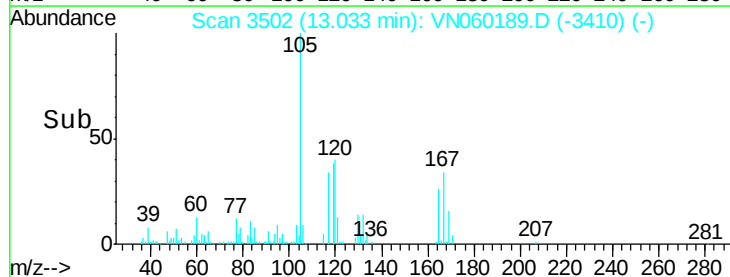
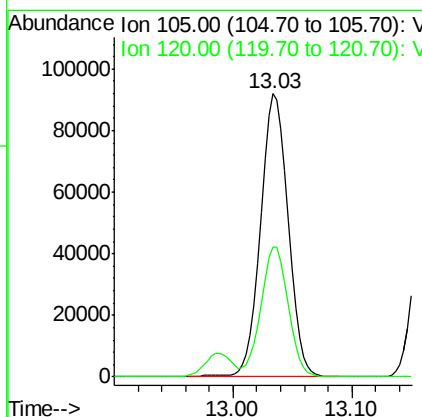
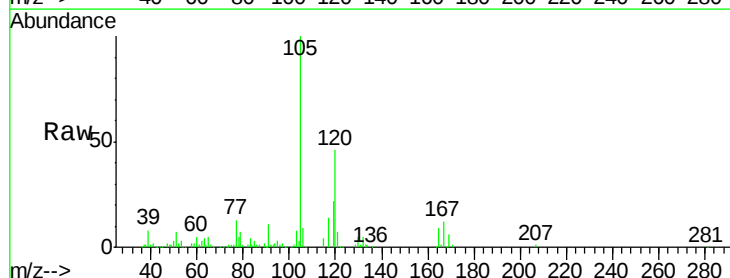
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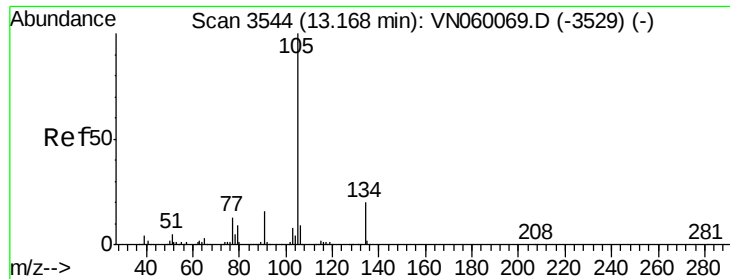
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.275 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 18.552 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

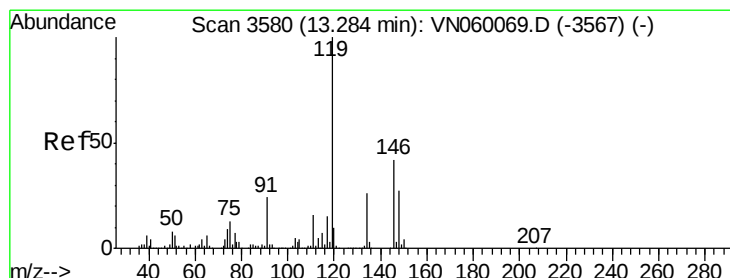
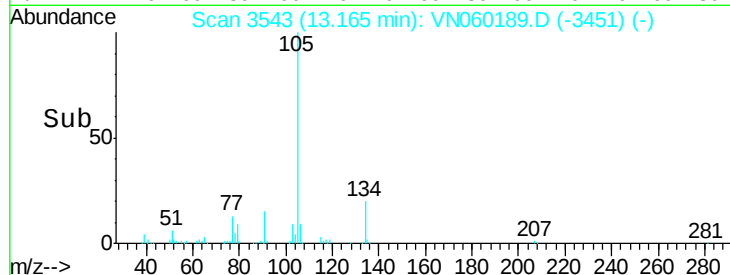
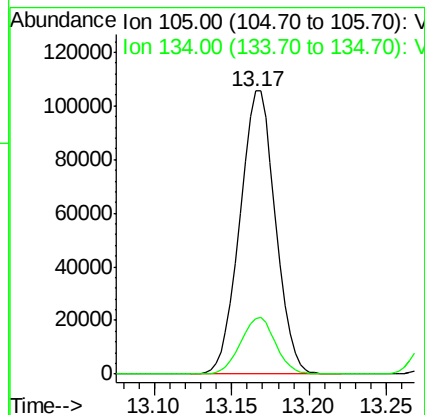
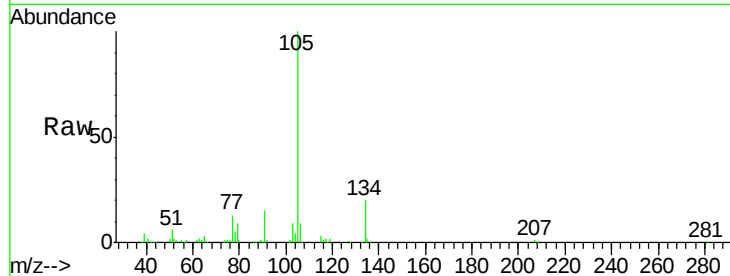
ClientSampleId :

VN0221MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 18.595 ug/l

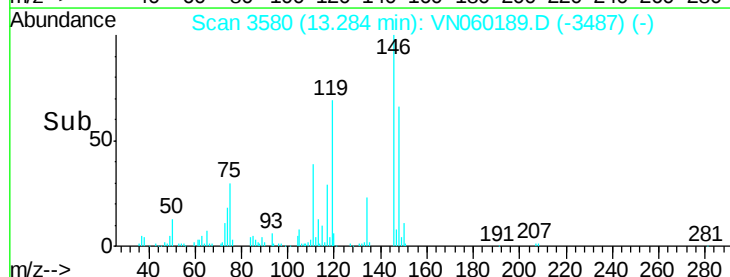
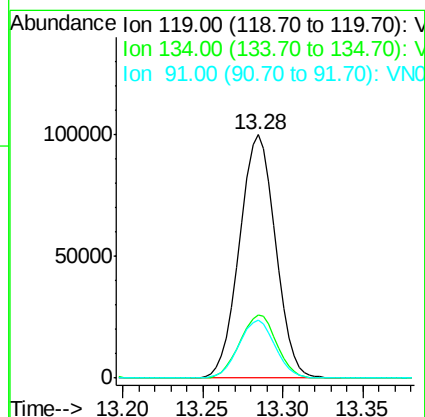
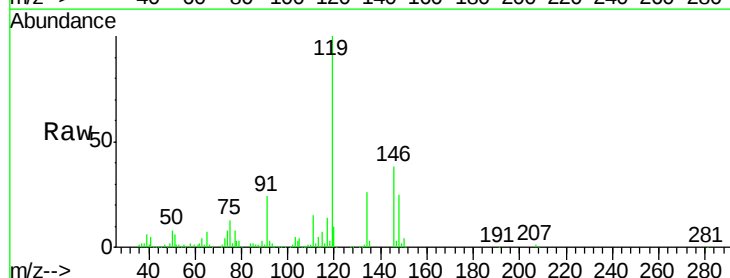
RT: 13.28 min Scan# 3580

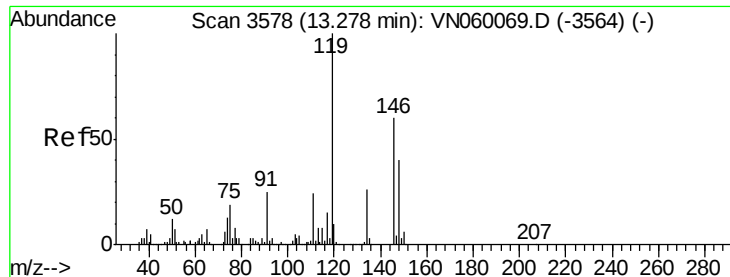
Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.3	39.8
91	24.0	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 18.782 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060189.D

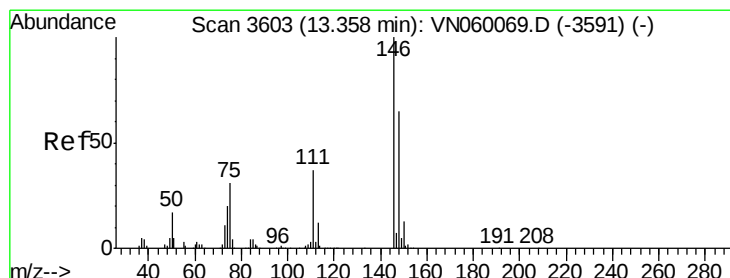
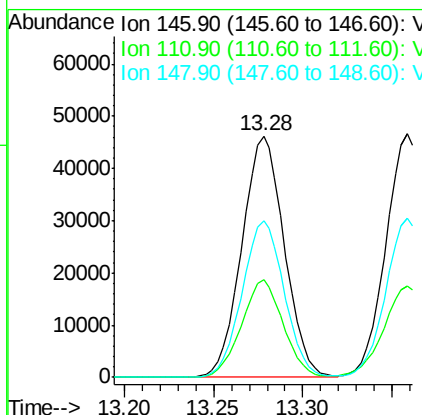
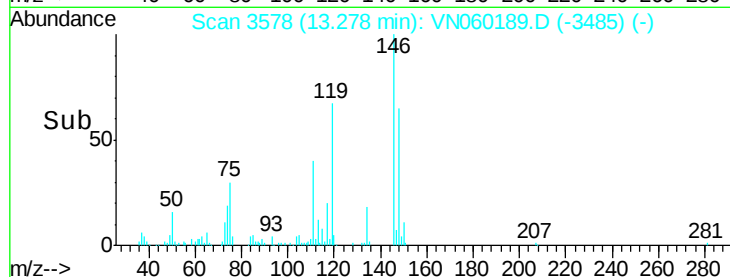
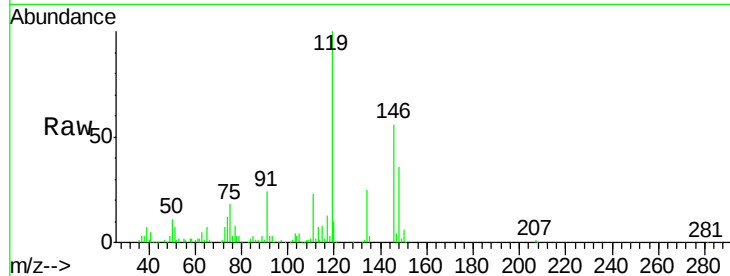
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.4	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 18.688 ug/l

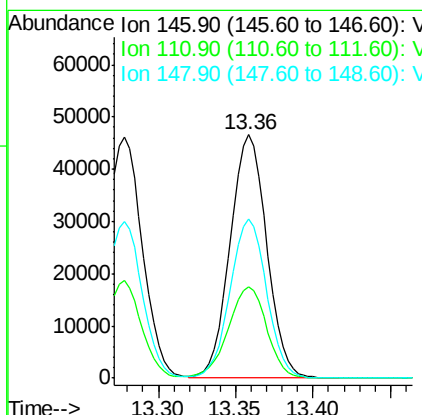
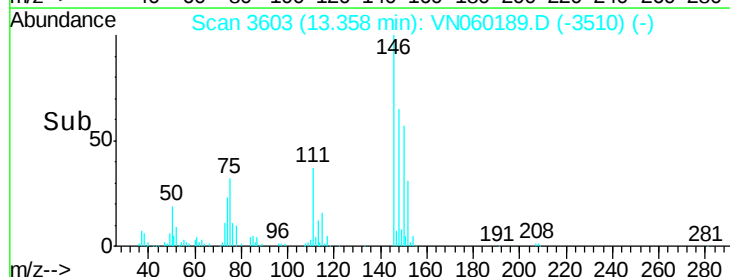
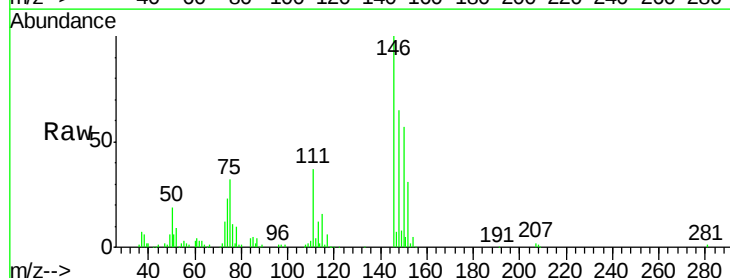
RT: 13.36 min Scan# 3603

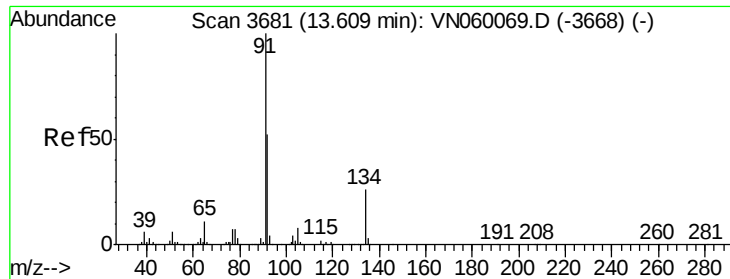
Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.5
148	65.2	32.0	96.0





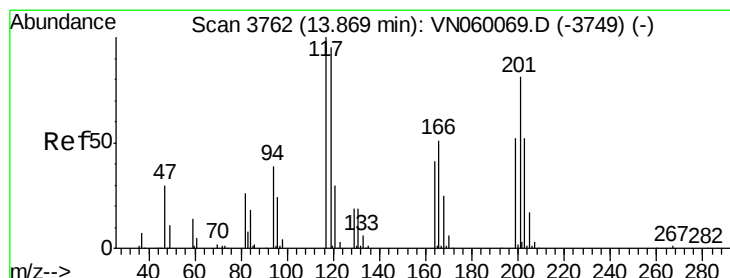
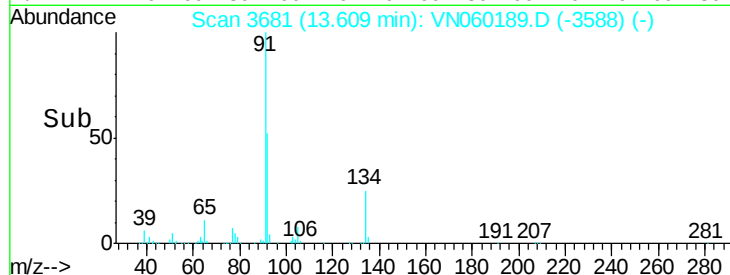
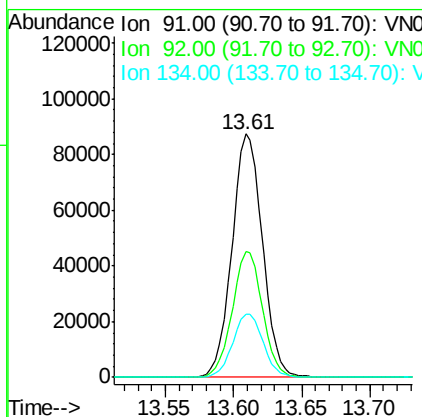
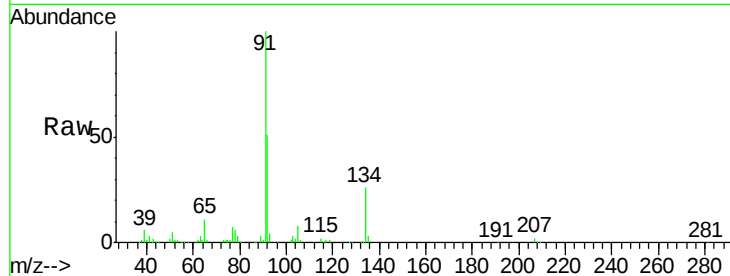
#89
n-Butylbenzene
Concen: 18.730 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Instrument :
MSVOA_N
ClientSampleId :
VN0221MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		135618		
92	51.4	26.1	78.2		
134	26.0	13.1	39.3		

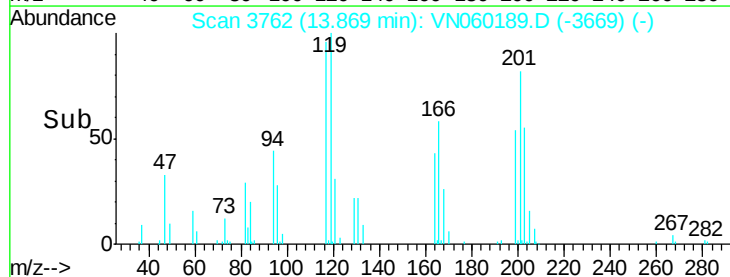
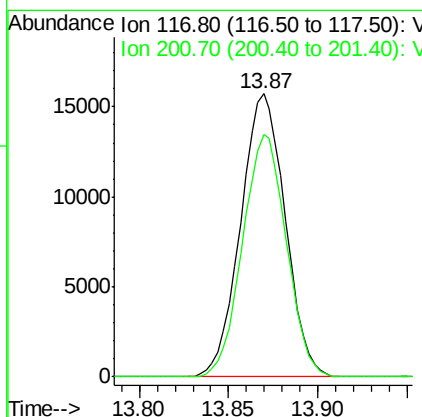
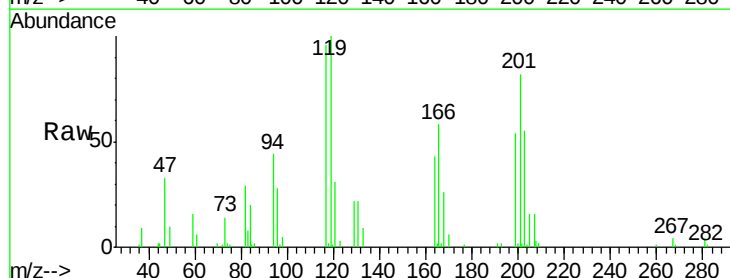
Manual Integrations
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#90
Hexachloroethane
Concen: 17.856 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060189.D
Acq: 21 Feb 2020 15:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		27460		
201	84.0	41.7	125.1		





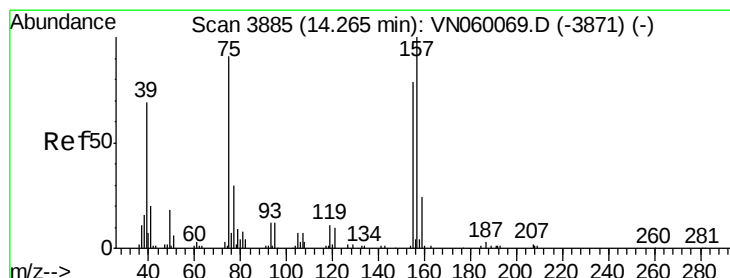
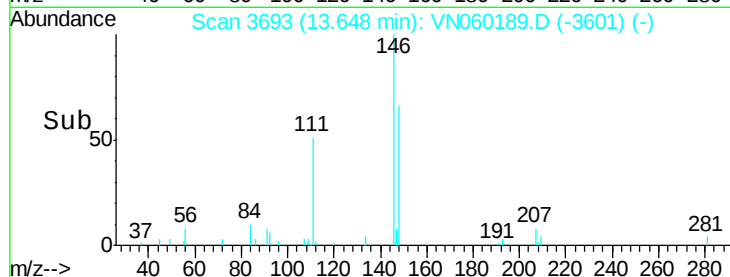
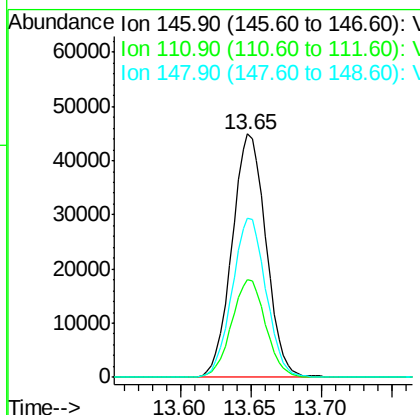
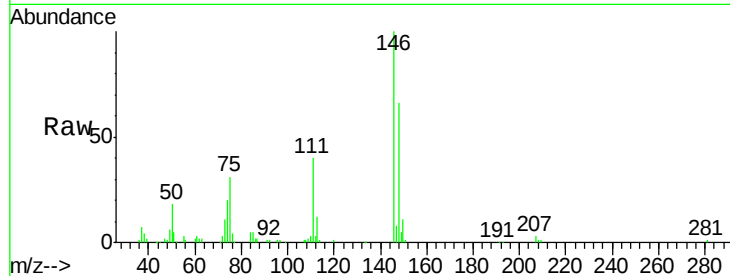
#91
 1,2-Dichlorobenzene
 Concen: 18.913 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.2
148	65.3	31.9	95.5

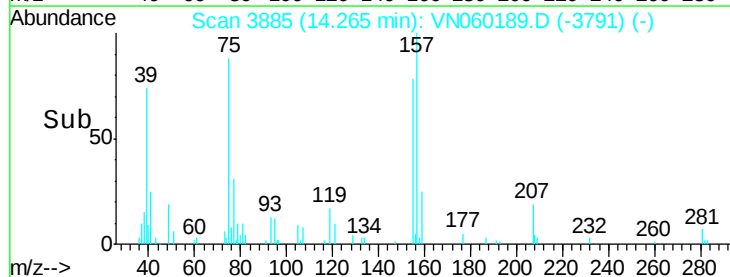
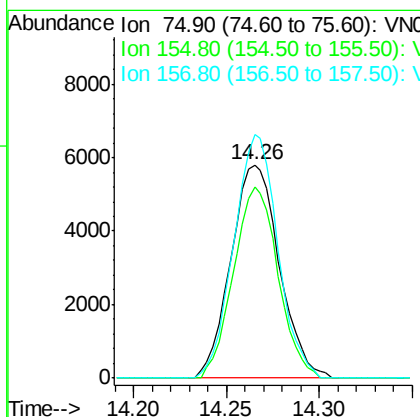
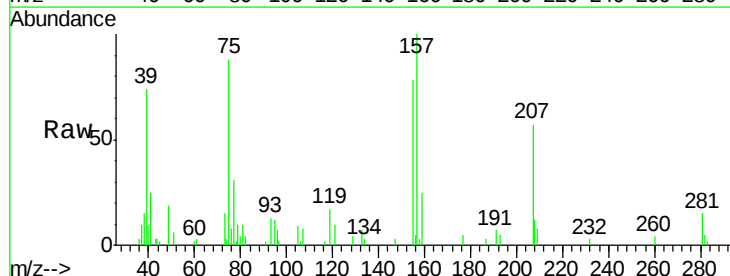
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.994 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.0	43.0	129.0
157	103.7	54.9	164.5





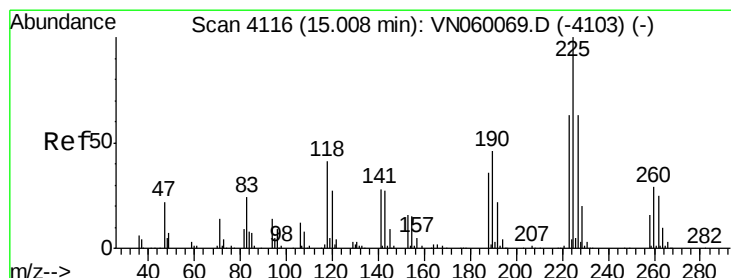
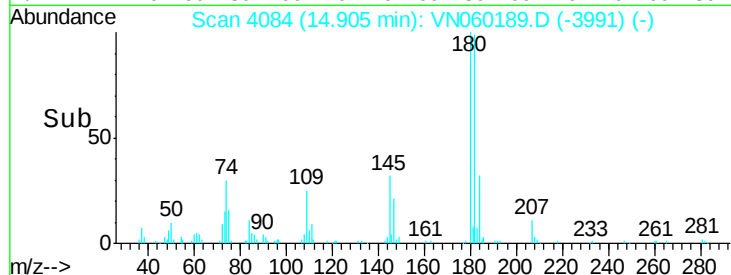
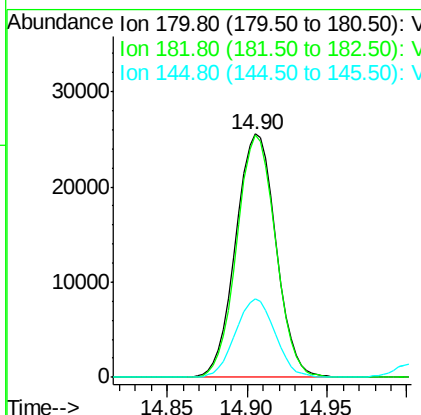
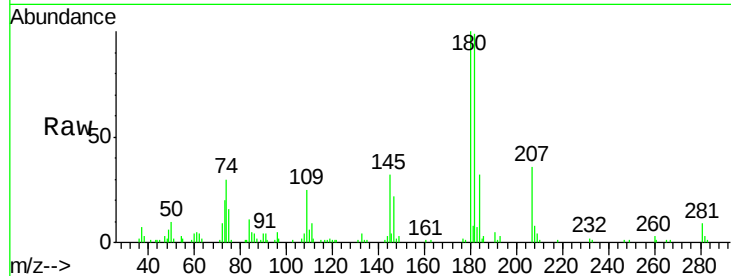
#93
 1,2,4-Trichlorobenzene
 Concen: 18.615 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0221MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.8
145	31.5	15.2	45.5

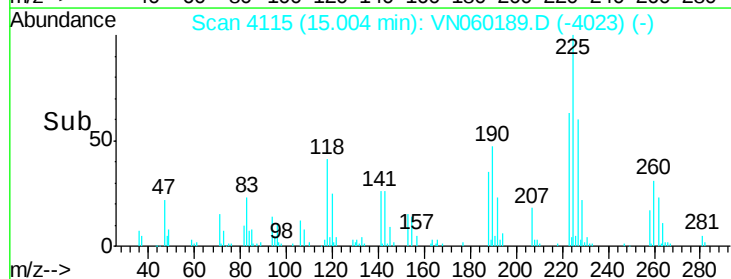
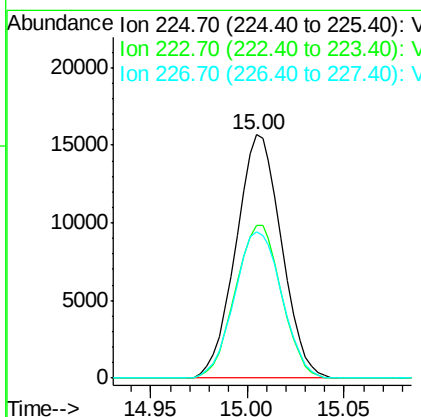
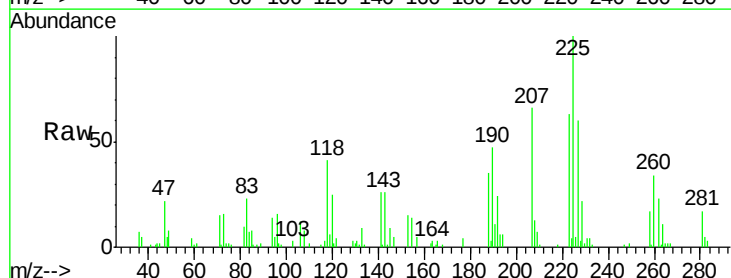
Manual Integrations
 APPROVED

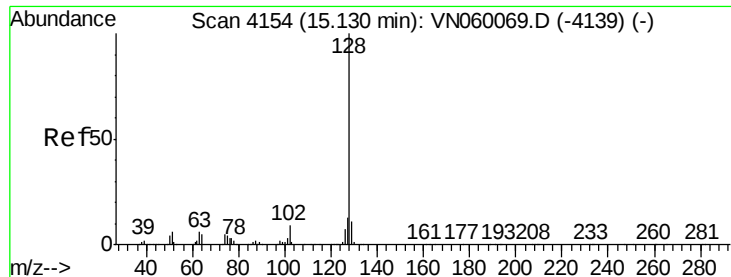
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 2/24/2020 11:41:21 AM



#94
 Hexachlorobutadiene
 Concen: 18.622 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060189.D
 Acq: 21 Feb 2020 15:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.5	94.5
227	62.5	31.8	95.4





#95

Naphthalene

Concen: 18.173 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Instrument :

MSVOA_N

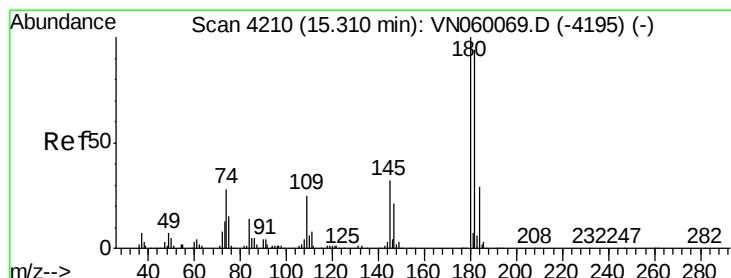
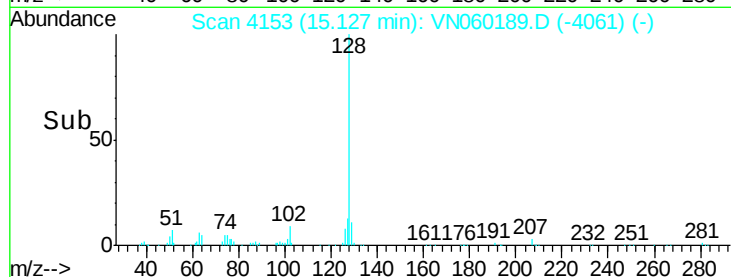
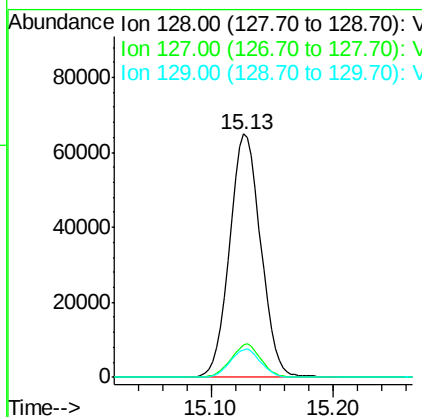
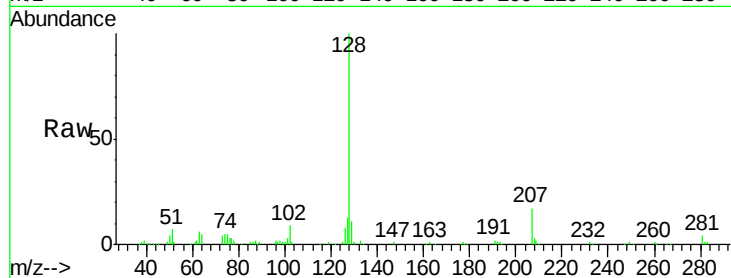
ClientSampleId :

VN0221MBSD01

Tot Ion:	128	Resp:	115662
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	11.2	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.766 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060189.D

Acq: 21 Feb 2020 15:03

Tgt Ion:	180	Resp:	44031
Ion Ratio	Lower	Upper	
180	100		
182	93.3	47.5	142.5
145	31.4	16.1	48.3

