

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059689.D
 Acq On : 13 Jan 2020 14:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 10:59:45 AM

Quant Time: Jan 14 08:47:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	188473	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	260514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123704	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	40958	14.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.86%	
35) Dibromofluoromethane	7.57	113	34264	18.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.50%	
50) Toluene-d8	10.08	98	134074	18.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.06%	
62) 4-Bromofluorobenzene	12.40	95	46555	17.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44278	18.181	ug/l	99
3) Chloromethane	2.04	50	43840	11.343	ug/l	98
4) Vinyl Chloride	2.17	62	51414	14.028	ug/l	96
5) Bromomethane	2.55	94	29047	13.633	ug/l	100
6) Chloroethane	2.68	64	23318	11.320	ug/l	97
7) Trichlorofluoromethane	3.00	101	58860	14.637	ug/l	98
8) Diethyl Ether	3.38	74	20441	16.269	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32241	15.910	ug/l	93
10) Methyl Iodide	3.93	142	50203	18.713	ug/l	94
11) Tert butyl alcohol	4.73	59	34270	68.158	ug/l	99
12) 1,1-Dichloroethene	3.72	96	32935	16.660	ug/l	89
13) Acrolein	3.58	56	23627	65.967	ug/l	100
14) Allyl chloride	4.30	41	44915	11.068	ug/l #	85
15) Acrylonitrile	4.95	53	79667	65.504	ug/l	99
16) Acetone	3.78	43	69825	42.883	ug/l	93
17) Carbon Disulfide	4.03	76	95751	14.106	ug/l	100
18) Methyl Acetate	4.29	43	47152	13.820	ug/l	93
19) Methyl tert-butyl Ether	5.01	73	110280	15.800	ug/l	96
20) Methylene Chloride	4.52	84	36985	15.727	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	35865	16.274	ug/l	91
22) Diisopropyl ether	5.92	45	103778	13.871	ug/l	96
23) Vinyl Acetate	5.86	43	383287	65.282	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	63533	14.991	ug/l	98
25) 2-Butanone	6.80	43	110072	56.531	ug/l	93
26) 2,2-Dichloropropane	6.80	77	60022	15.583	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	41568	17.022	ug/l	88
28) Bromochloromethane	7.17	49	24233	16.675	ug/l #	75
29) Tetrahydrofuran	7.18	42	72157	60.823	ug/l	90
30) Chloroform	7.35	83	64732	15.517	ug/l	100
31) Cyclohexane	7.63	56	59861	14.949	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	60161	15.996	ug/l	96
36) 1,1-Dichloropropene	7.77	75	48464	15.913	ug/l	94
37) Ethyl Acetate	6.90	43	45462	12.843	ug/l	96
38) Carbon Tetrachloride	7.75	117	53982	17.082	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	60443	17.497	ug/l	92
40) Benzene	8.02	78	146447	16.454	ug/l	99
41) Methacrylonitrile	7.15	41	19855m	13.592	ug/l	
42) 1,2-Dichloroethane	8.10	62	49893	14.638	ug/l	96
43) Isopropyl Acetate	8.14	43	78004	14.174	ug/l #	95
44) Trichloroethene	8.82	130	41302	17.717	ug/l	92
45) 1,2-Dichloropropane	9.10	63	36722	15.279	ug/l	97
46) Dibromomethane	9.19	93	26233	16.660	ug/l	90
47) Bromodichloromethane	9.39	83	51264	16.330	ug/l	99
48) Methyl methacrylate	9.18	41	35382	14.171	ug/l	92
49) 1,4-Dioxane	9.18	88	13092	365.891	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	230761	70.328	ug/l	95
52) Toluene	10.14	92	93443	17.087	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58110	16.005	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	62189	16.295	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	37062	17.271	ug/l	96
56) Ethyl methacrylate	10.42	69	57125	17.932	ug/l	90
57) 1,3-Dichloropropane	10.70	76	60080	16.080	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	87071	85.939	ug/l	91
59) 2-Hexanone	10.74	43	174408	67.443	ug/l	94
60) Dibromochloromethane	10.89	129	41905	17.892	ug/l	98
61) 1,2-Dibromoethane	10.99	107	39295	17.266	ug/l	98
64) Tetrachloroethene	10.62	164	42532	17.514	ug/l	95
65) Chlorobenzene	11.43	112	99956	17.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38954	18.194	ug/l	97
67) Ethyl Benzene	11.50	91	181241	17.813	ug/l	96
68) m/p-Xylenes	11.62	106	137876	36.696	ug/l	94
69) o-Xylene	11.94	106	67029	18.749	ug/l	94
70) Styrene	11.96	104	111243	19.367	ug/l	97
71) Bromoform	12.12	173	30484	18.941	ug/l #	97
73) Isopropylbenzene	12.24	105	179532	18.488	ug/l	98
74) N-amyl acetate	12.07	43	68463	15.370	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	51999	16.881	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	42558m	13.897	ug/l	
77) Bromobenzene	12.52	156	45179	18.918	ug/l	81
78) n-propylbenzene	12.59	91	201475	17.552	ug/l	97
79) 2-Chlorotoluene	12.67	91	117318	16.902	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148773	18.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	18753	15.125	ug/l	93
82) 4-Chlorotoluene	12.77	91	118920	16.733	ug/l	96
83) tert-Butylbenzene	12.99	119	128915	18.524	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	149345	18.277	ug/l	100
85) sec-Butylbenzene	13.17	105	170198	18.385	ug/l	99
86) p-Isopropyltoluene	13.28	119	157808	18.822	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78336	17.839	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76591	17.299	ug/l	98
89) n-Butylbenzene	13.61	91	132976	16.917	ug/l	99
90) Hexachloroethane	13.87	117	29144	18.389	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	78468	18.119	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11831	13.044	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47703	17.058	ug/l	99
94) Hexachlorobutadiene	15.01	225	26330	17.582	ug/l	98
95) Naphthalene	15.13	128	134020	16.053	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46342	16.384	ug/l	99

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

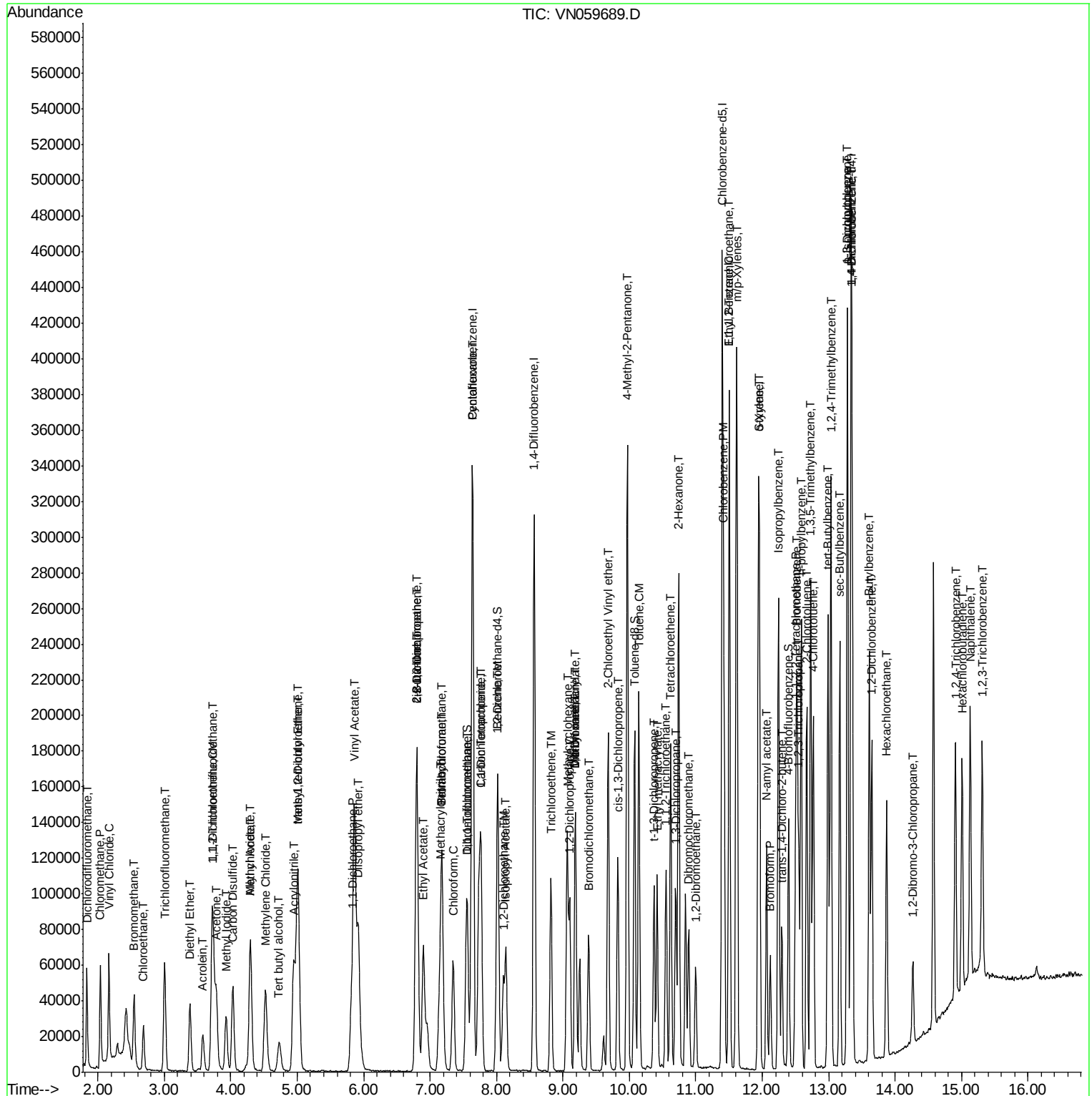
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
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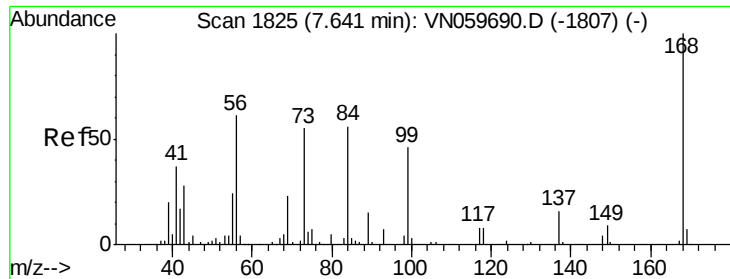
Instrument :
MSVOA_N
Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 188473

Ion Ratio Lower Upper

168 100

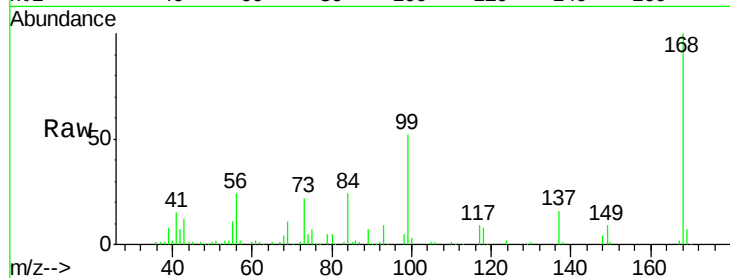
99 51.9 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

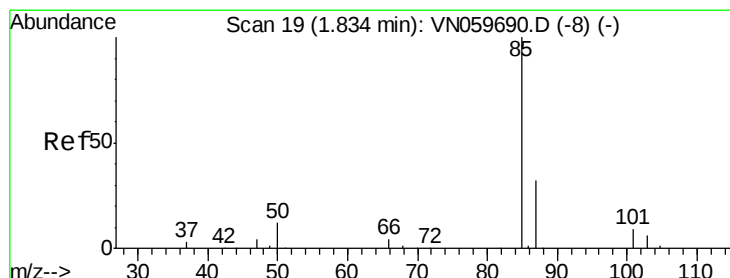
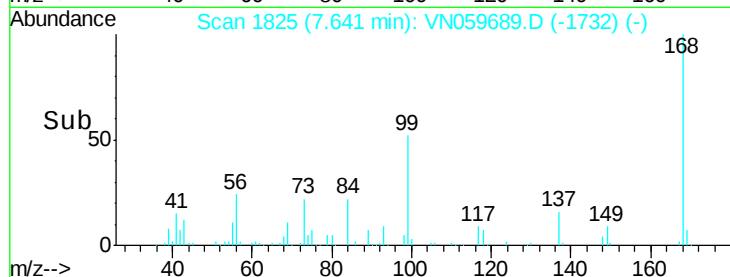
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.181 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059689.D

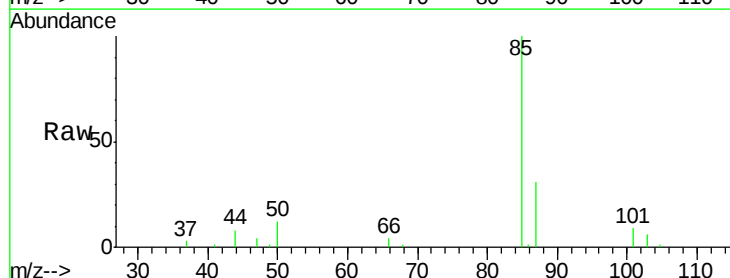
Acq: 13 Jan 2020 14:30

Tgt Ion: 85 Resp: 44278

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

20000

10000

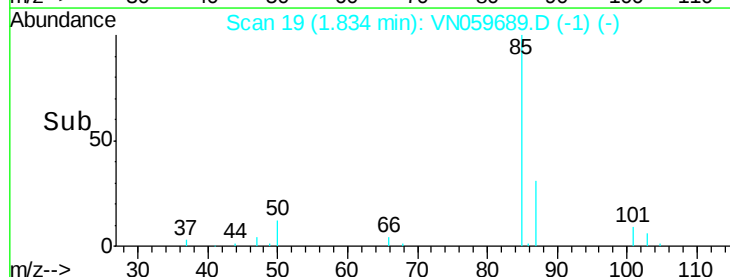
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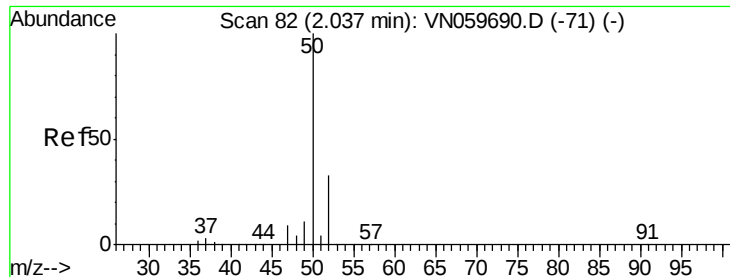
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 11.343 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 43840

Ion Ratio Lower Upper

50 100

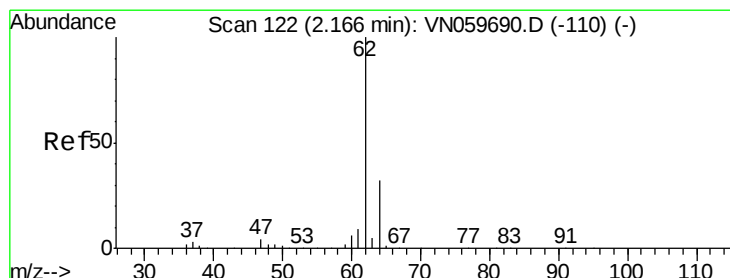
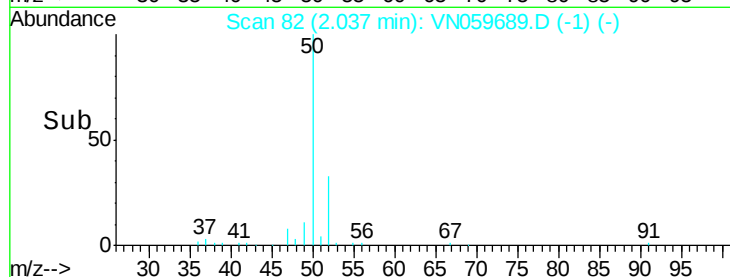
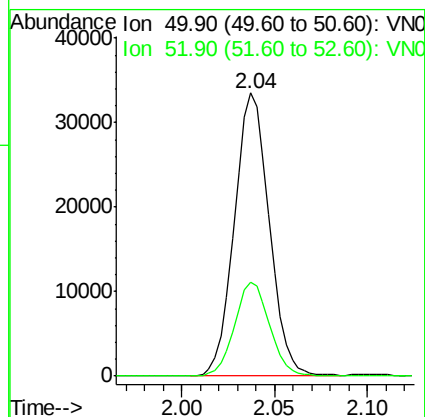
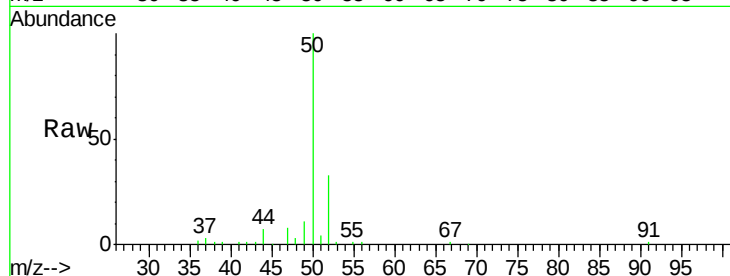
52 33.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.028 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059689.D

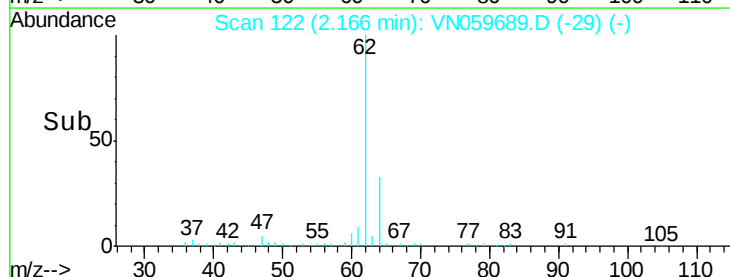
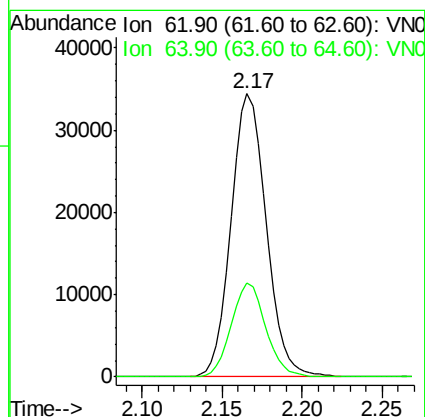
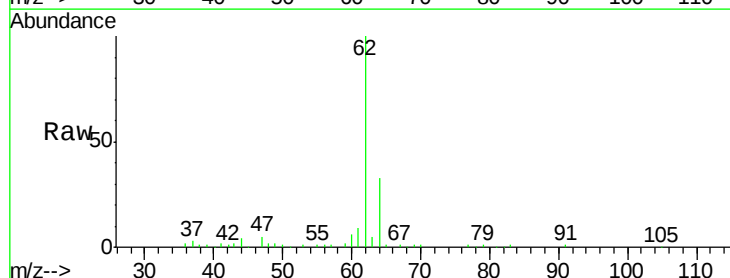
Acq: 13 Jan 2020 14:30

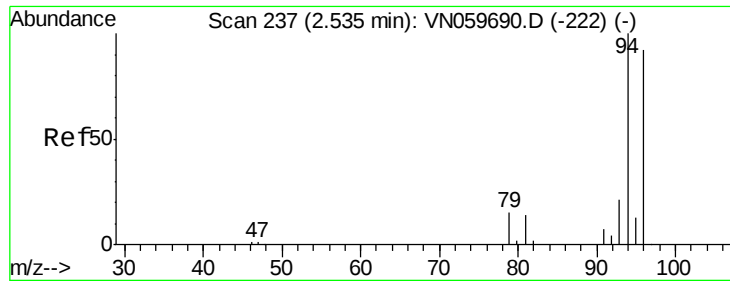
Tgt Ion: 62 Resp: 51414

Ion Ratio Lower Upper

62 100

64 33.0 24.6 37.0





#5

Bromomethane

Concen: 13.633 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

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ClientSampleId :

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Tot Ion: 94 Resp: 29047

Ion Ratio Lower Upper

94 100

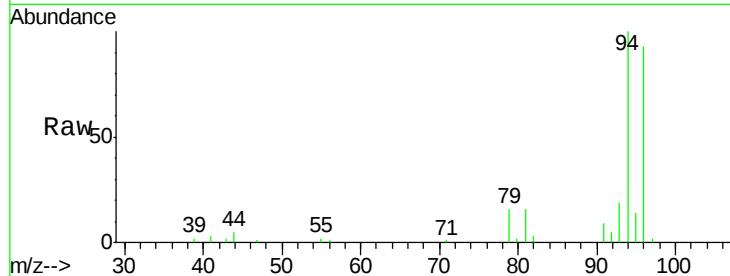
96 93.4 74.7 112.1

Manual Integrations

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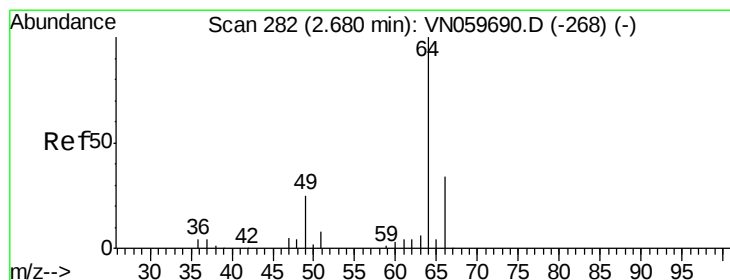
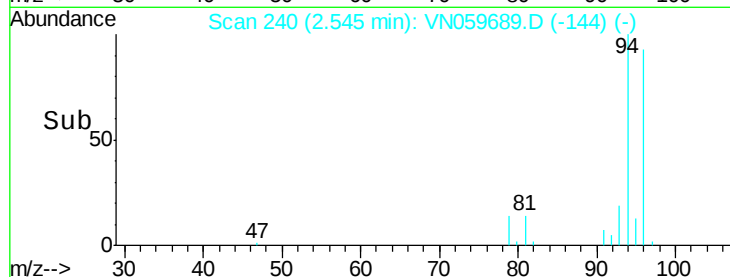
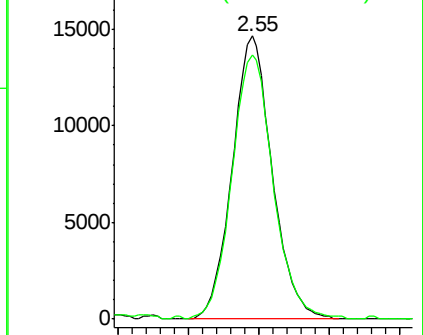
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 11.320 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059689.D

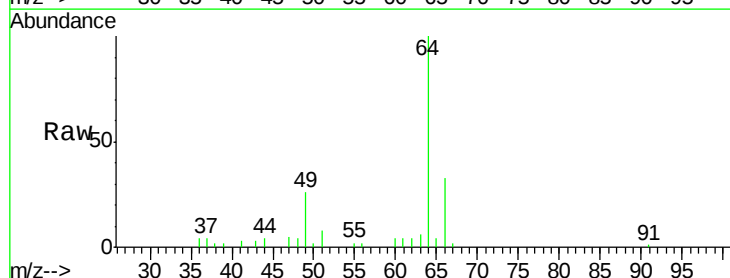
Acq: 13 Jan 2020 14:30

Tgt Ion: 64 Resp: 23318

Ion Ratio Lower Upper

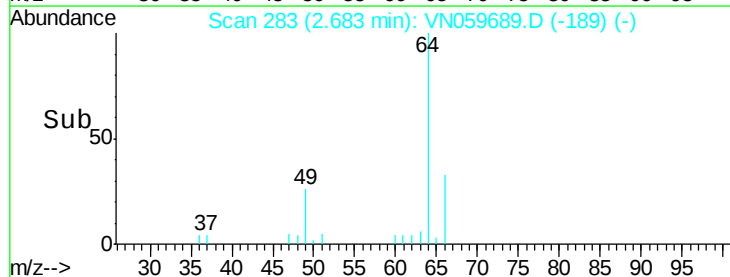
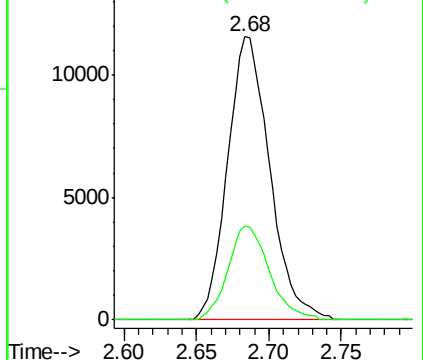
64 100

66 33.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

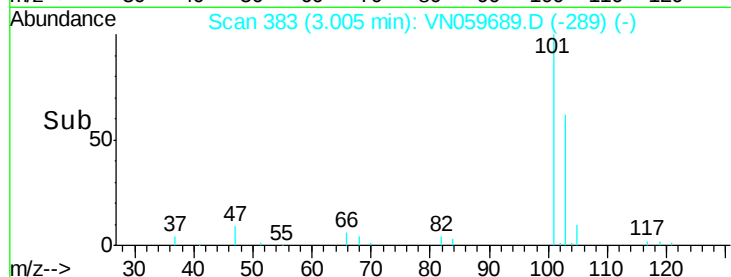
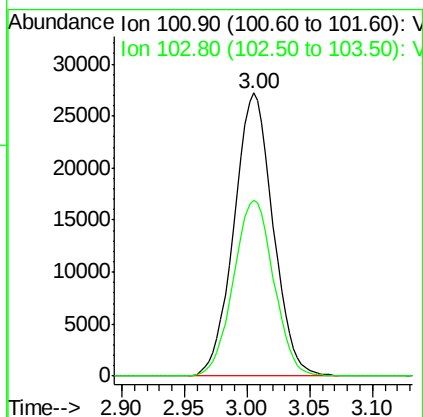
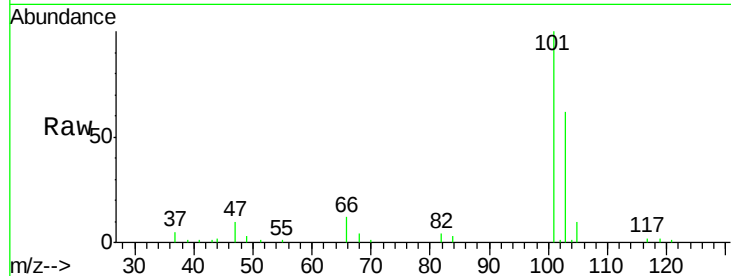
Trichlorofluoromethane
Concen: 14.637 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 58860
Ion Ratio Lower Upper
101 100
103 62.2 51.0 76.6

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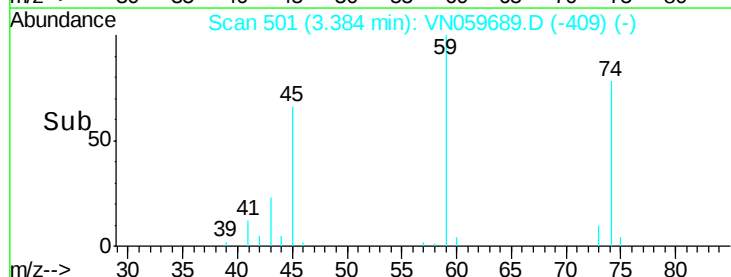
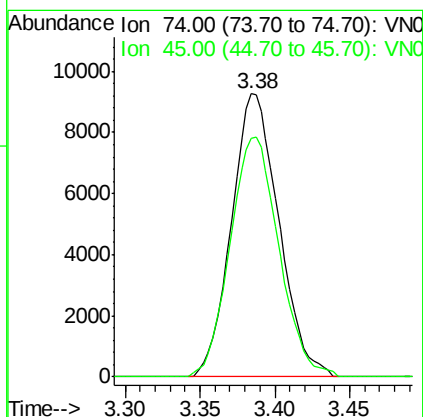
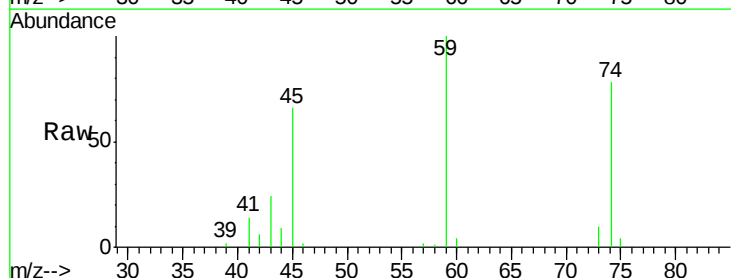
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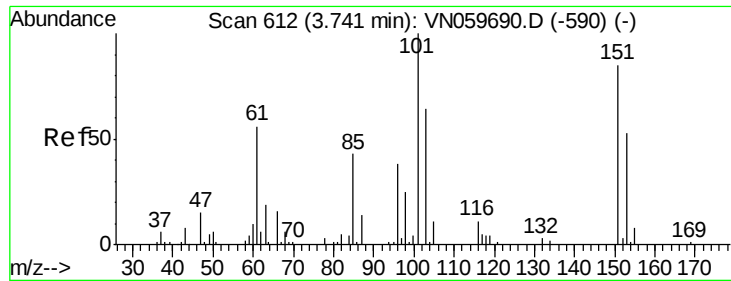


#8

Diethyl Ether
Concen: 16.269 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 74 Resp: 20441
Ion Ratio Lower Upper
74 100
45 87.1 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.910 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN059689.D

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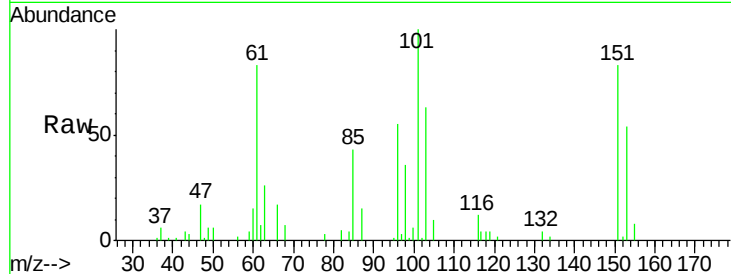
ClientSampleId :

VSTDIC020

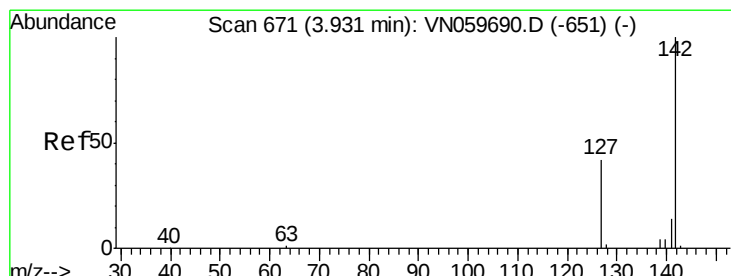
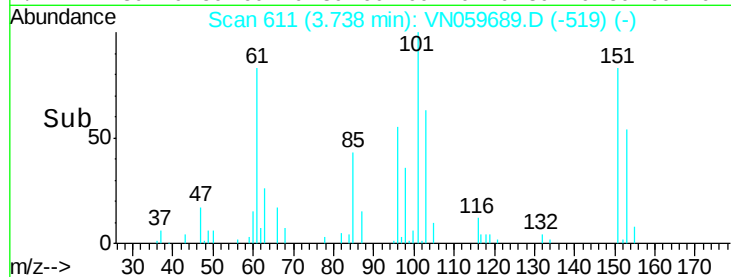
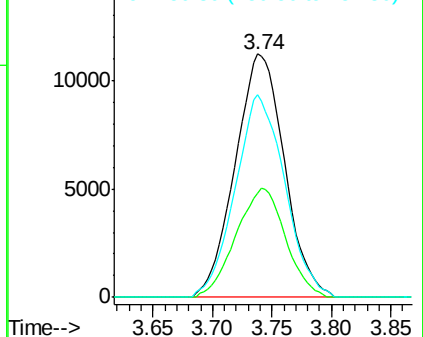
Tot Ion:	101	Resp:	32241
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.6	54.8
151	83.5	59.7	89.5

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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: 18.713 ug/l

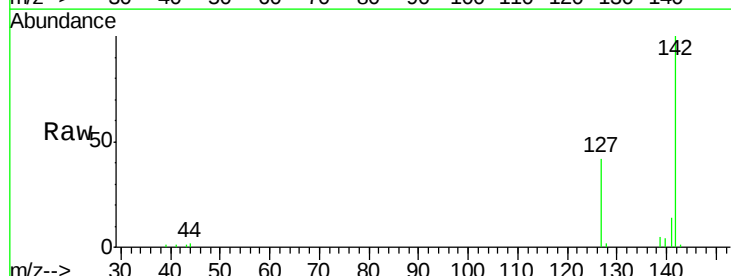
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

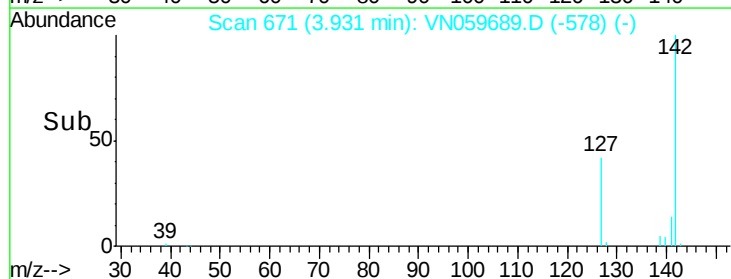
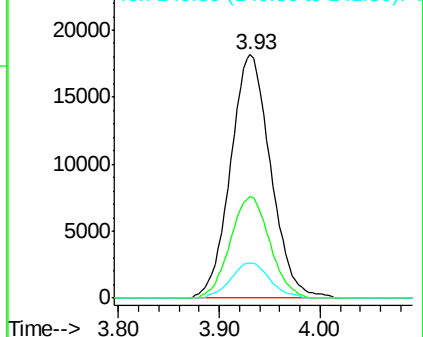
Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion:	142	Resp:	50203
Ion Ratio	Lower	Upper	
142	100		
127	41.0	36.7	55.1
141	14.1	11.7	17.5



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





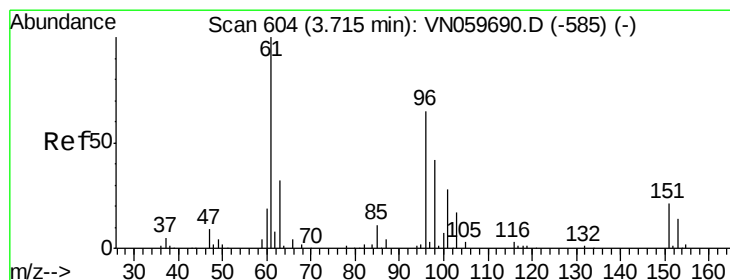
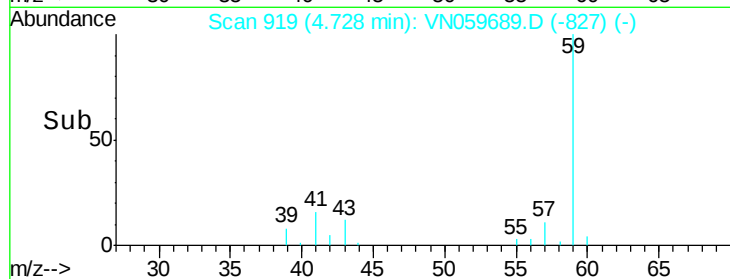
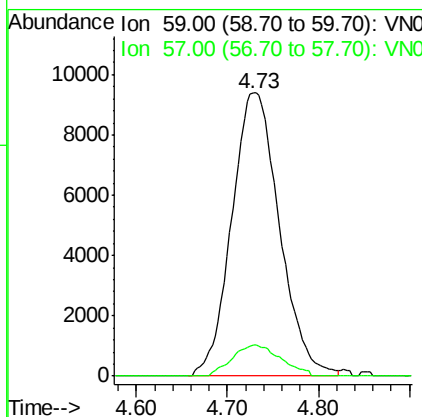
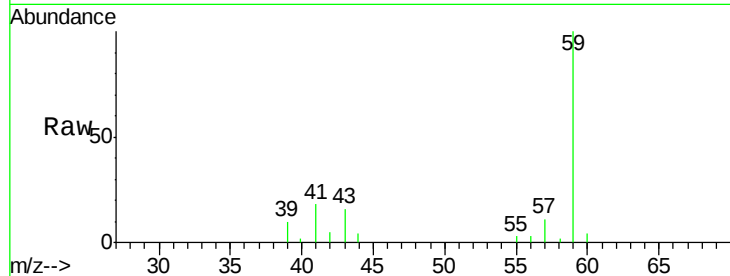
#11
Tert butyl alcohol
Concen: 68.158 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 59 Resp: 34270
Ion Ratio Lower Upper
59 100
57 11.3 8.6 12.8

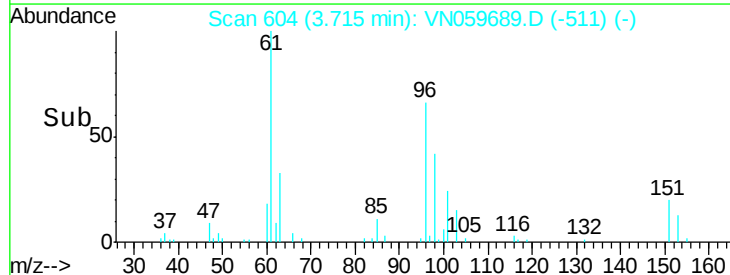
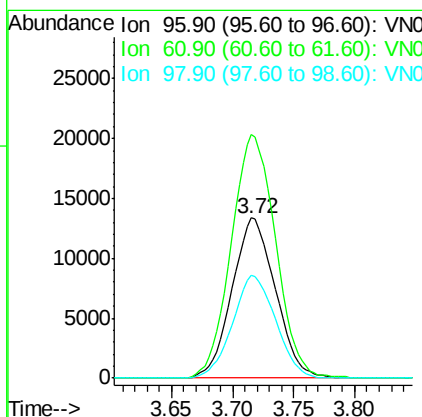
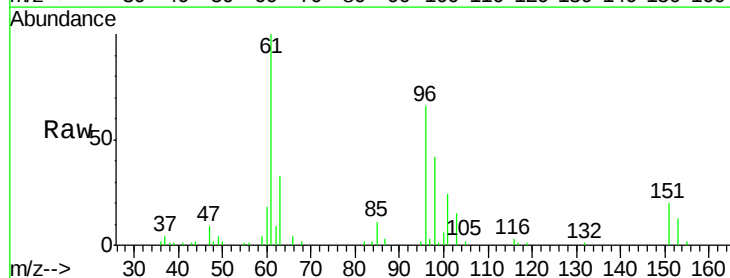
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#12
1,1-Dichloroethene
Concen: 16.660 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 96 Resp: 32935
Ion Ratio Lower Upper
96 100
61 151.9 137.5 206.3
98 64.0 50.2 75.4





#13

Acrolein

Concen: 65.967 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 23627

Ion Ratio Lower Upper

56 100

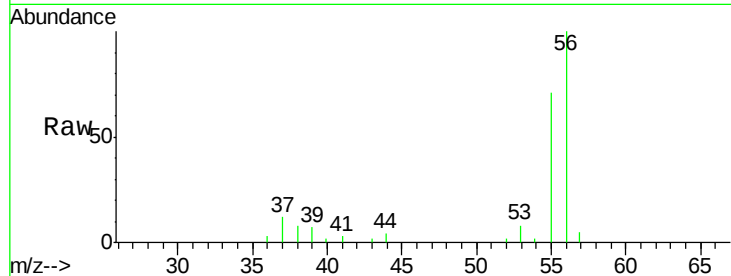
55 73.4 58.6 88.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

10000

8000

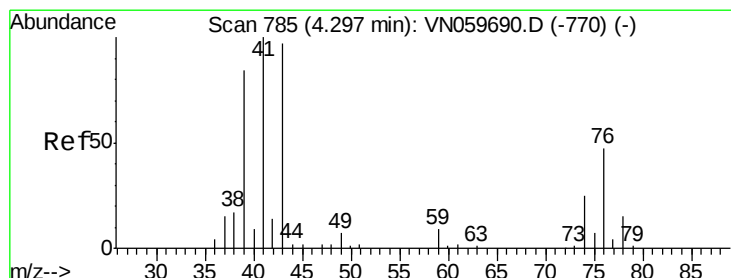
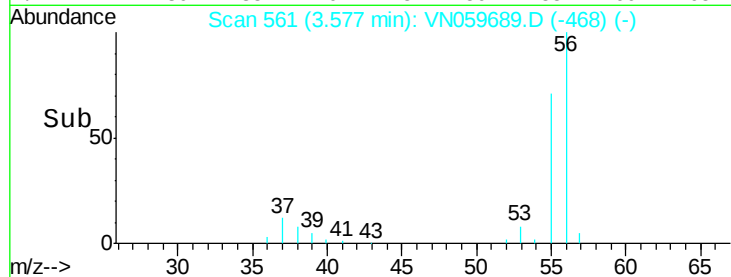
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 11.068 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

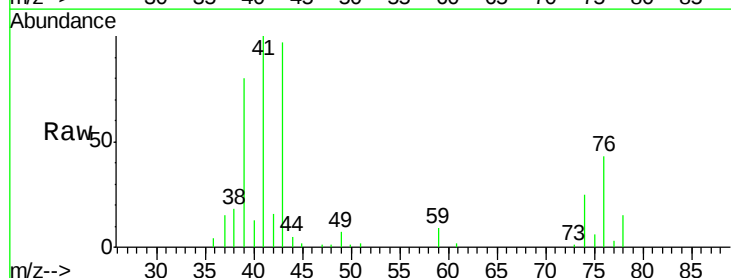
Tgt Ion: 41 Resp: 44915

Ion Ratio Lower Upper

41 100

39 81.6 57.8 86.8

76 44.2 25.4 38.0#



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

4.30

20000

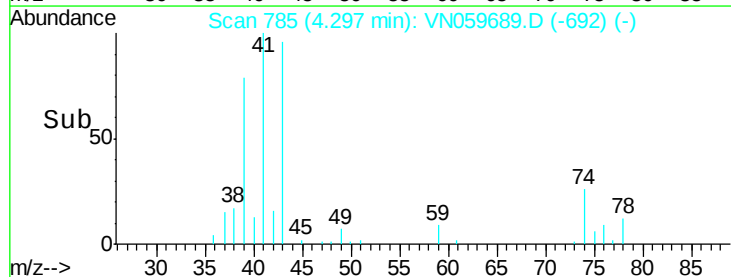
15000

10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 65.504 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

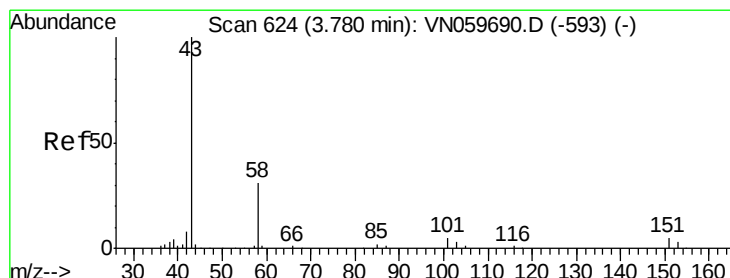
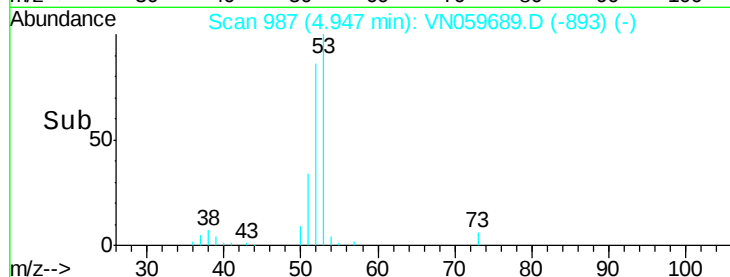
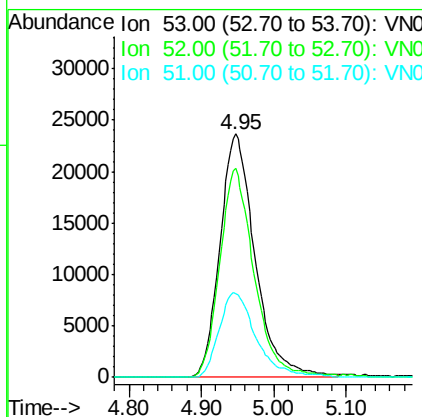
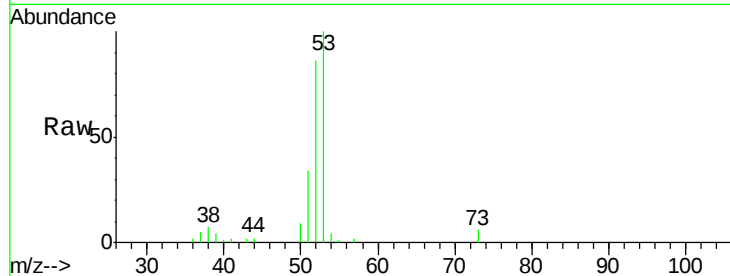
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	79667
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.3	99.5
51	36.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 42.883 ug/l

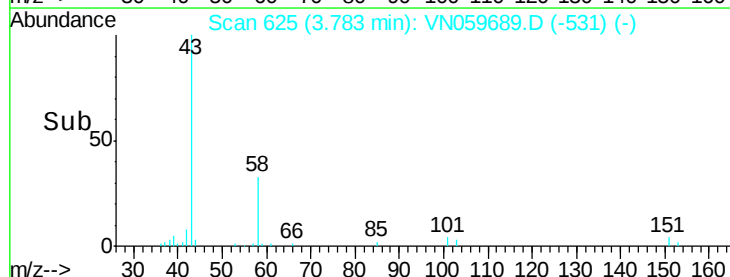
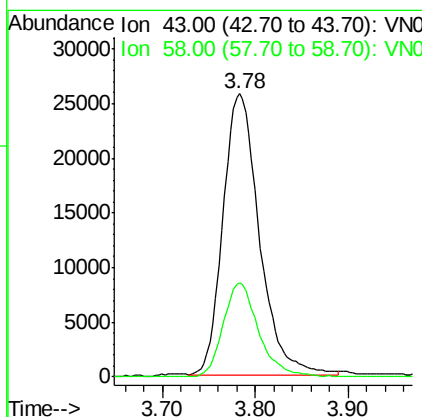
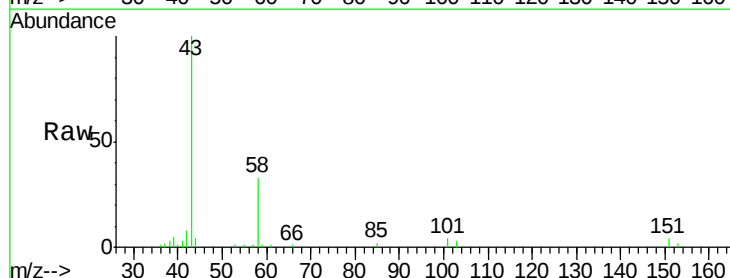
RT: 3.78 min Scan# 625

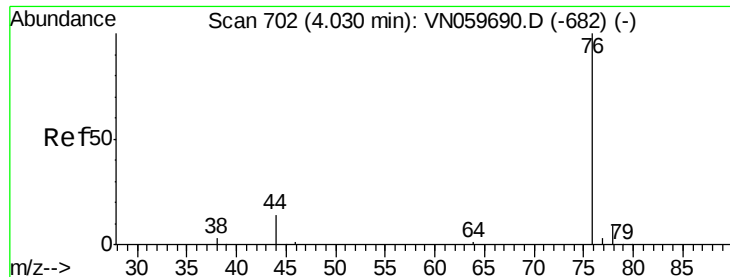
Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion:	43	Resp:	69825
Ion	Ratio	Lower	Upper
43	100		
58	33.5	23.6	35.4





#17

Carbon Disulfide

Concen: 14.106 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 95751

Ion Ratio Lower Upper

76 100

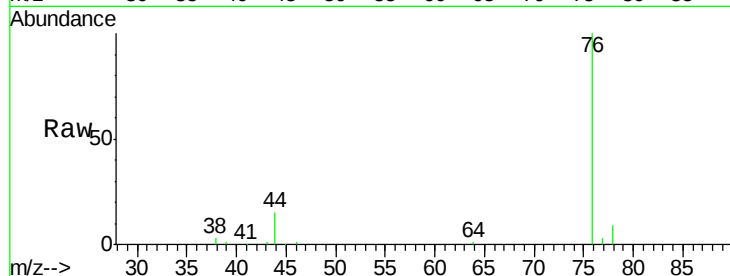
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

40000

30000

20000

10000

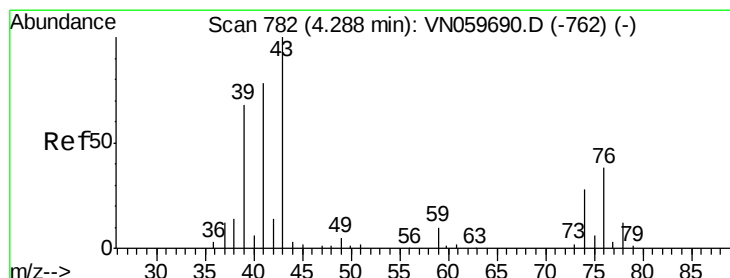
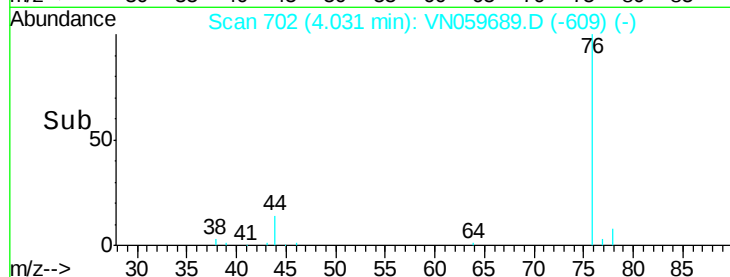
0

Time-->

3.90

4.00

4.10



#18

Methyl Acetate

Concen: 13.820 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059689.D

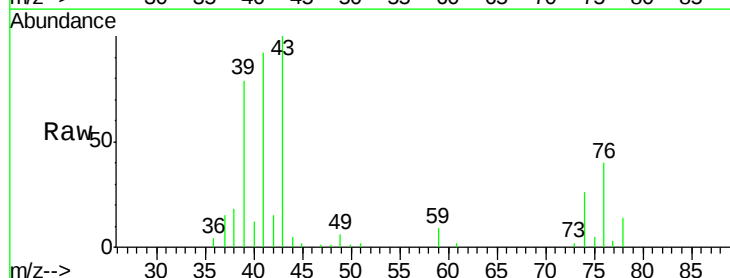
Acq: 13 Jan 2020 14:30

Tgt Ion: 43 Resp: 47152

Ion Ratio Lower Upper

43 100

74 25.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

15000

10000

5000

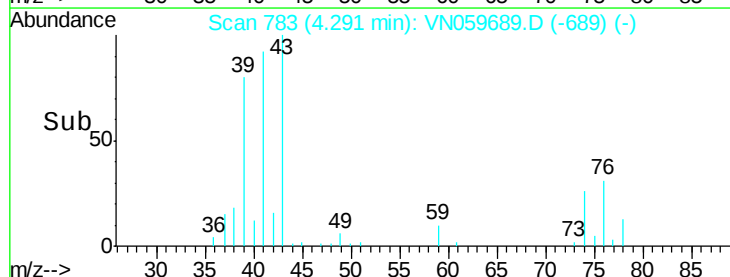
0

Time-->

4.20

4.30

4.40





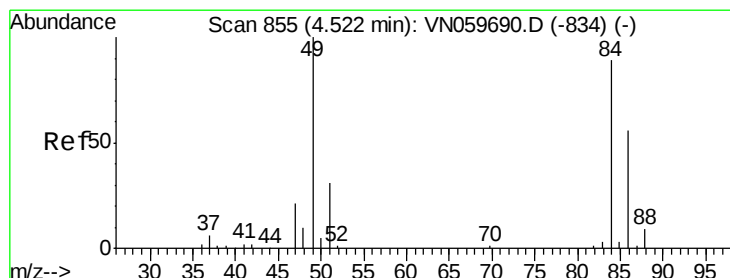
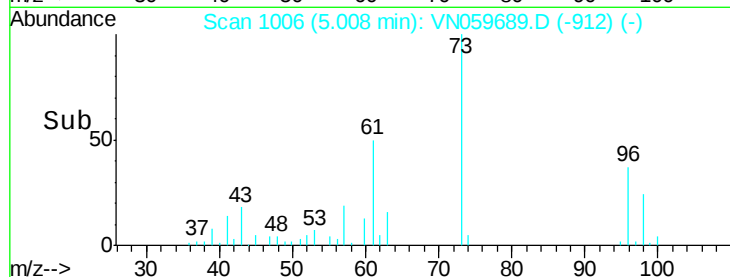
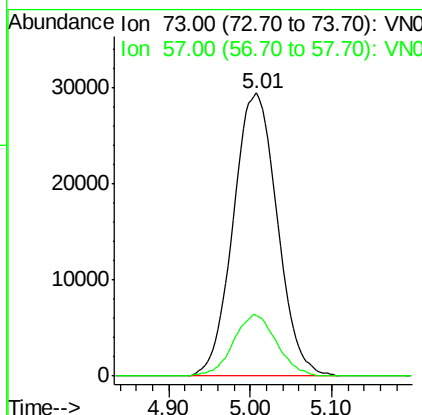
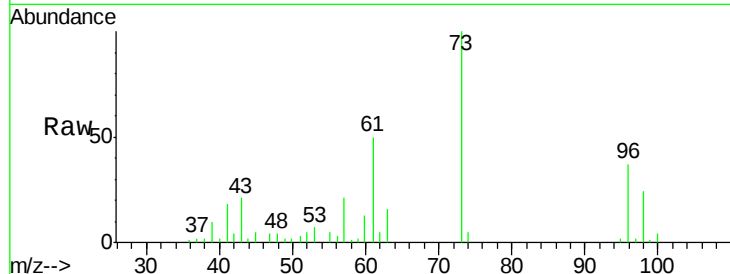
#19
Methvl tert-butvl Ether
Concen: 15.800 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 110280
Ion Ratio Lower Upper
73 100
57 21.4 18.6 27.8

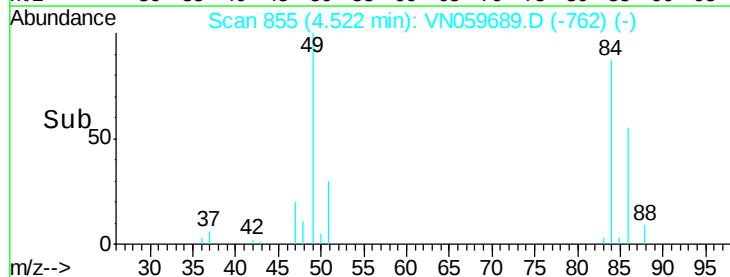
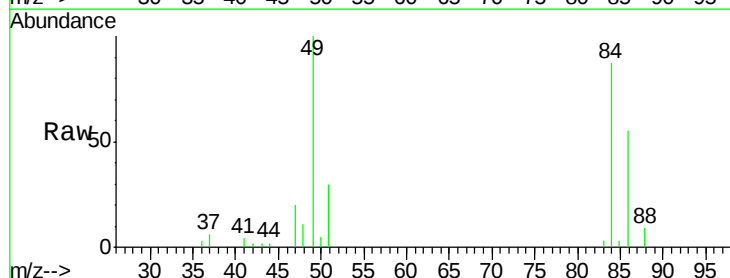
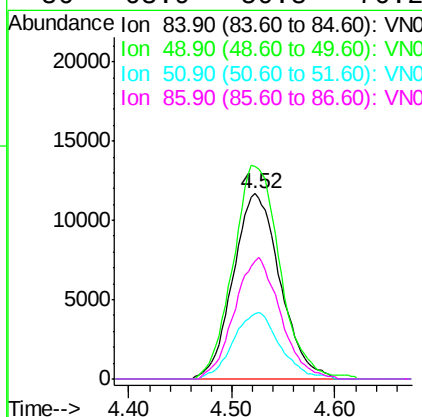
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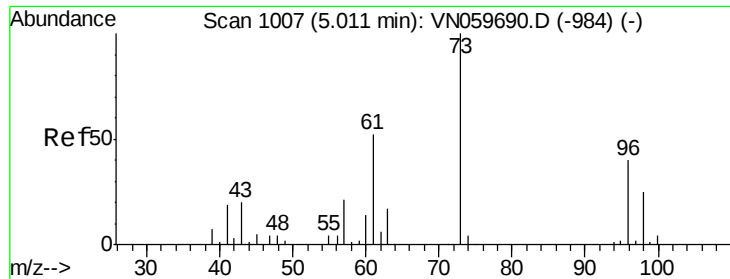
MMDadoda
1/14/2020 10:59:45 AM



#20
Methylene Chloride
Concen: 15.727 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 84 Resp: 36985
Ion Ratio Lower Upper
84 100
49 115.1 106.6 160.0
51 35.0 31.9 47.9
86 63.9 50.8 76.2





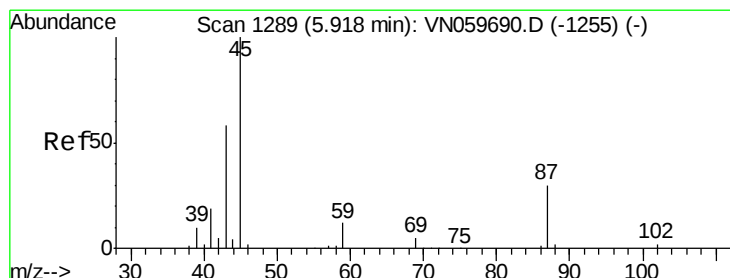
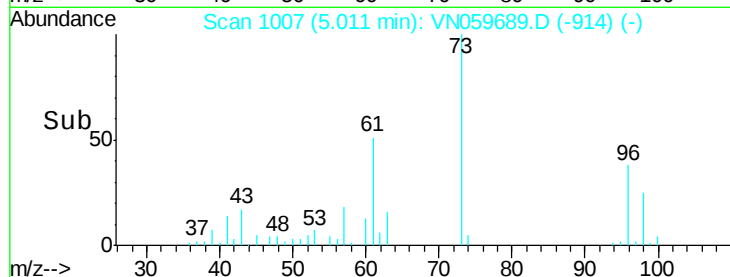
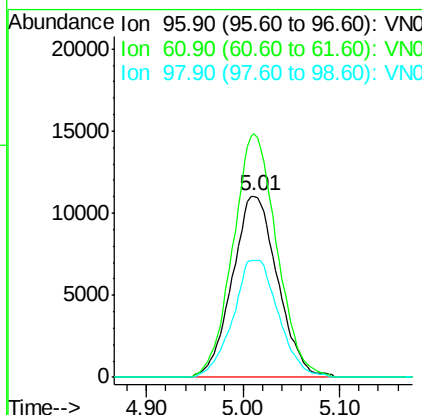
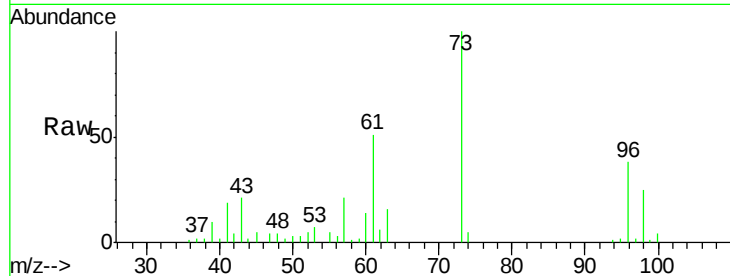
#21
trans-1,2-Dichloroethene
Concen: 16.274 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.5	120.4	180.6
98	64.4	50.6	75.8

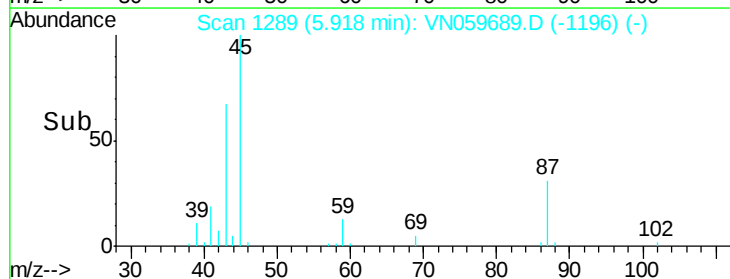
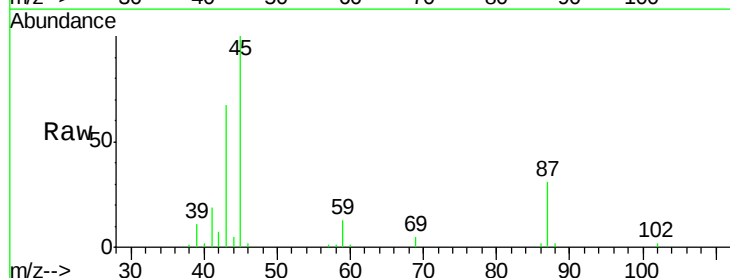
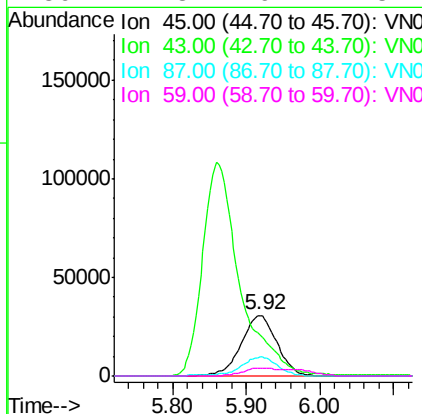
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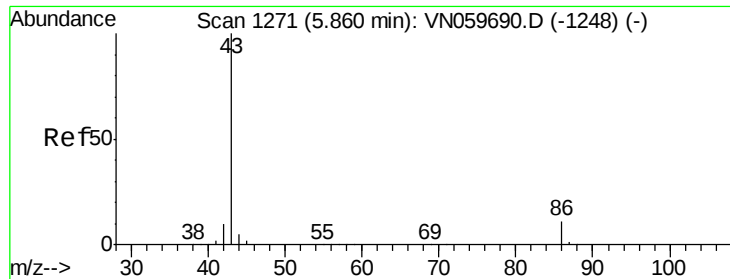
MMDadoda
1/14/2020 10:59:45 AM



#22
Diisopropyl ether
Concen: 13.871 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.3	50.8	76.2
87	30.9	21.0	31.6
59	12.8	9.1	13.7





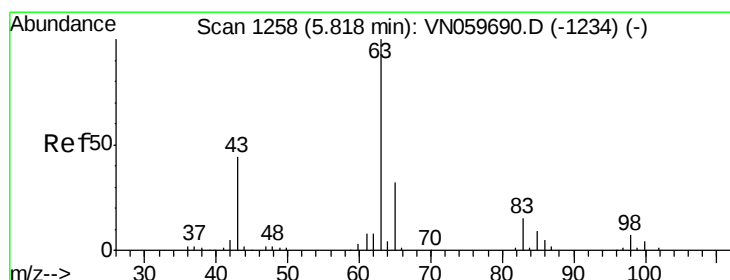
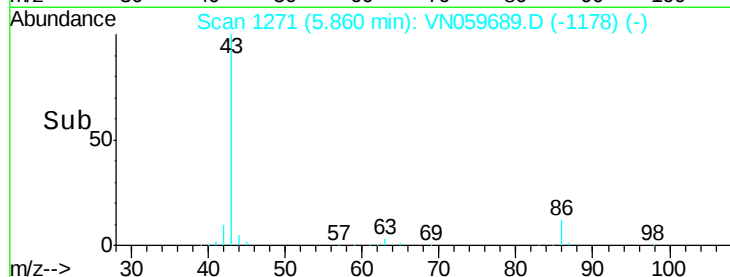
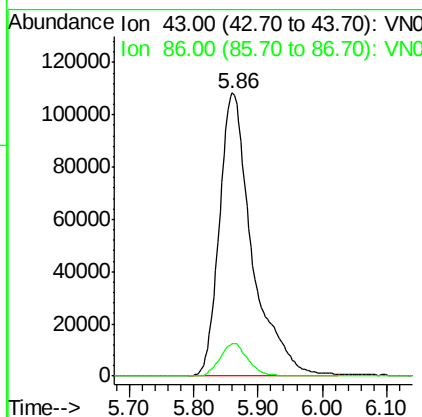
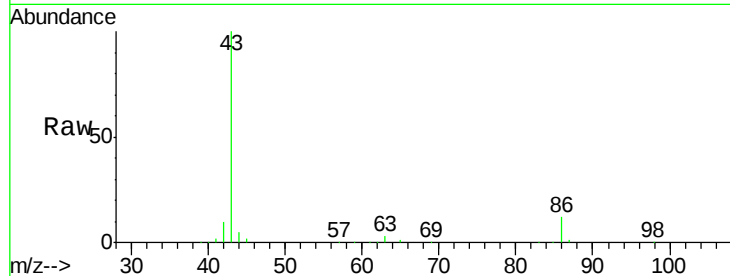
#23
 Vinyl Acetate
 Concen: 65.282 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	383287
Ion Ratio	100	Lower	Upper
43	100		
86	11.5	7.6	11.4#

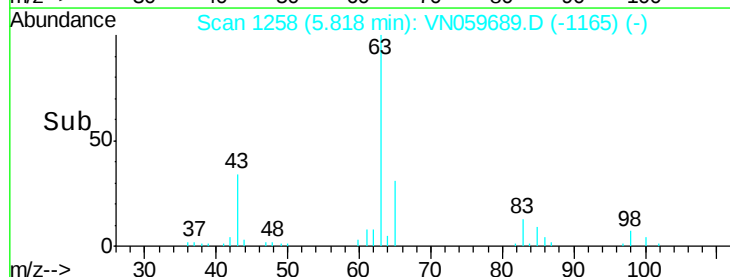
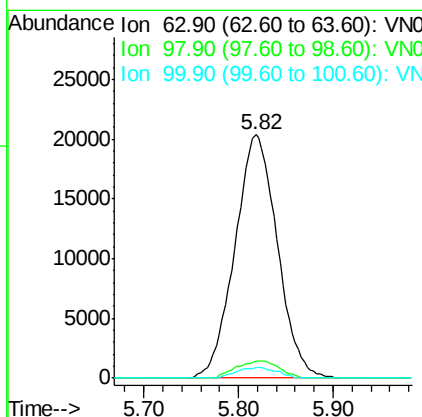
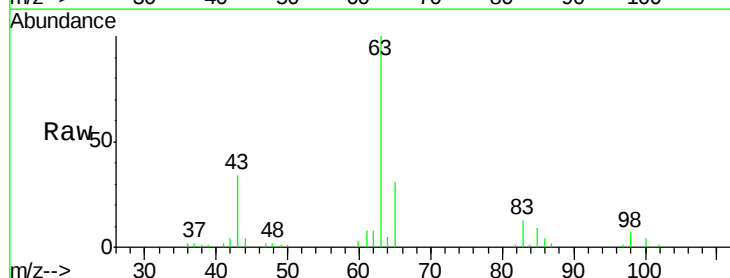
Manual Integrations
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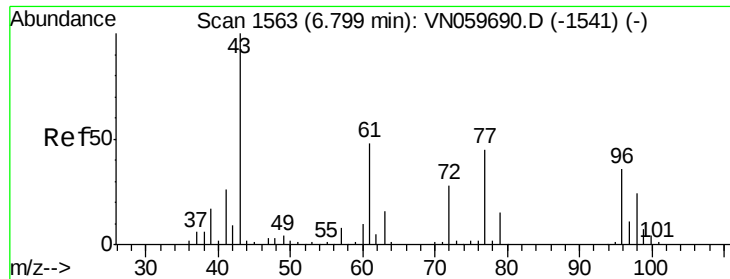
MMDadoda
 1/14/2020 10:59:45 AM



#24
 1,1-Dichloroethane
 Concen: 14.991 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	63	Resp	63533
Ion Ratio	100	Lower	Upper
63	100		
98	6.8	2.9	8.7
100	4.2	2.0	6.0





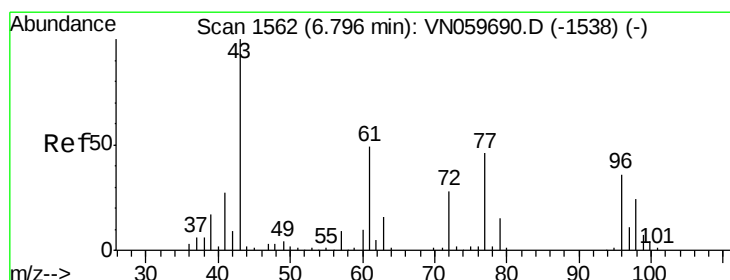
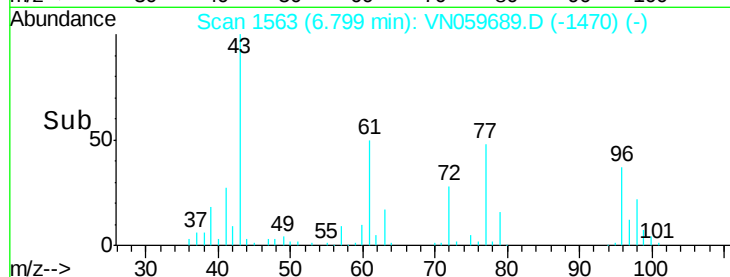
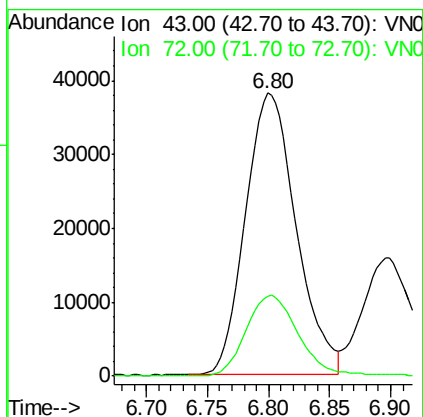
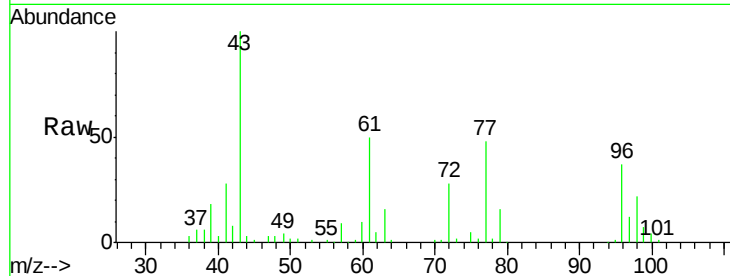
#25
2-Butanone
Concen: 56.531 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 110072
Ion Ratio Lower Upper
43 100
72 28.4 19.9 29.9

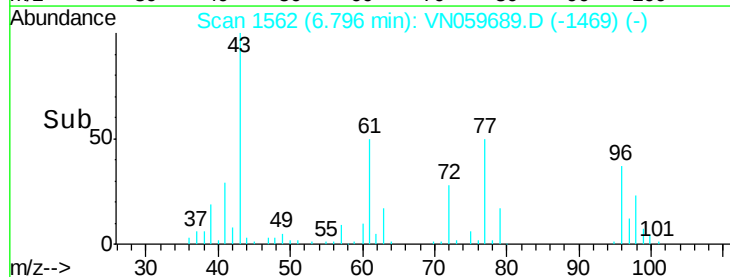
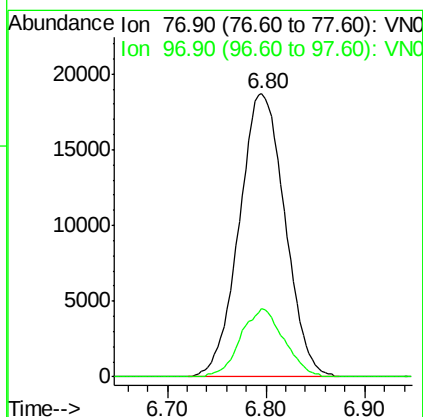
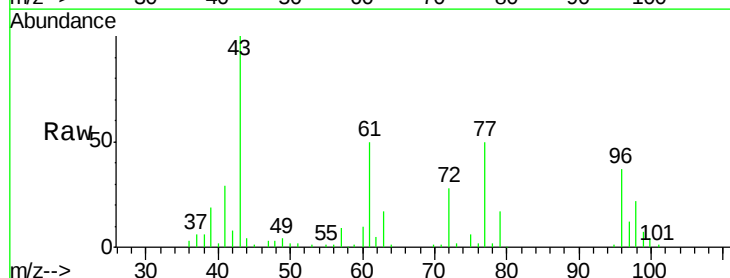
Manual Integrations
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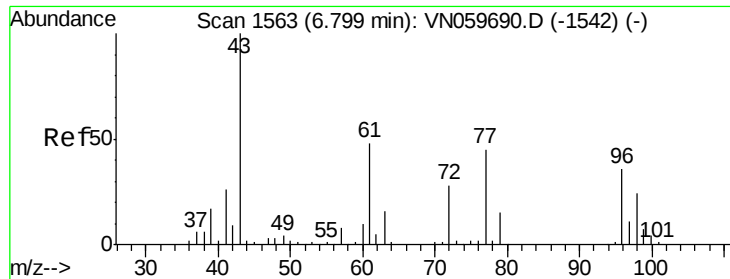
MMDadoda
1/14/2020 10:59:45 AM



#26
2,2-Dichloropropane
Concen: 15.583 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 77 Resp: 60022
Ion Ratio Lower Upper
77 100
97 22.8 10.7 31.9





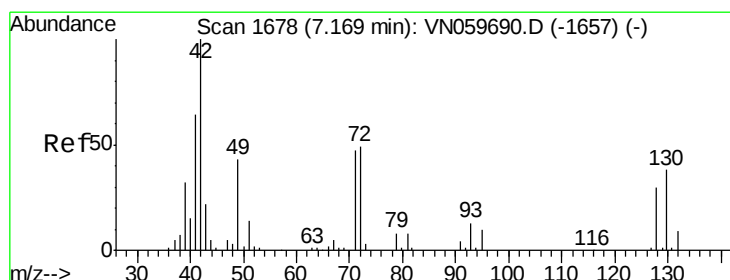
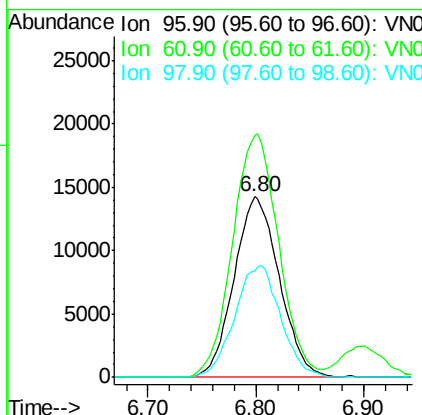
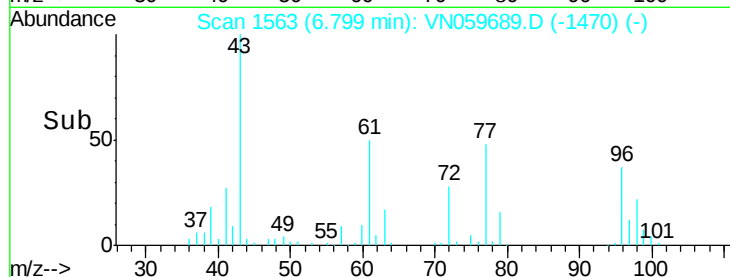
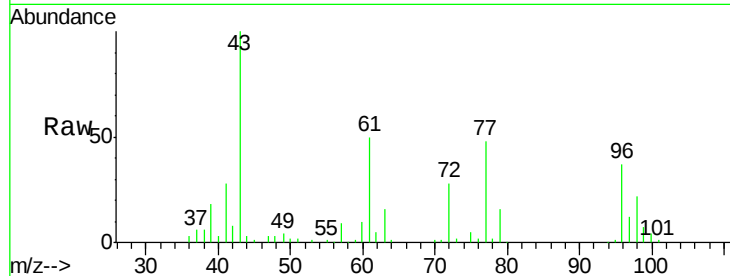
#27
 cis-1,2-Dichloroethene
 Concen: 17.022 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	317.6
98	62.7	0.0	127.0

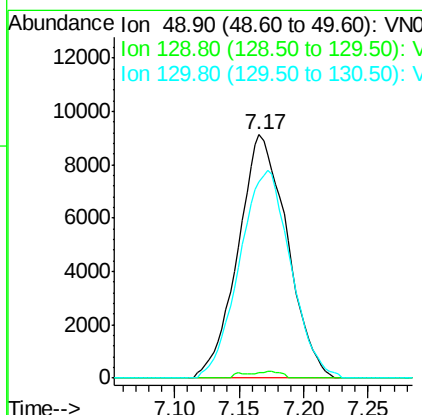
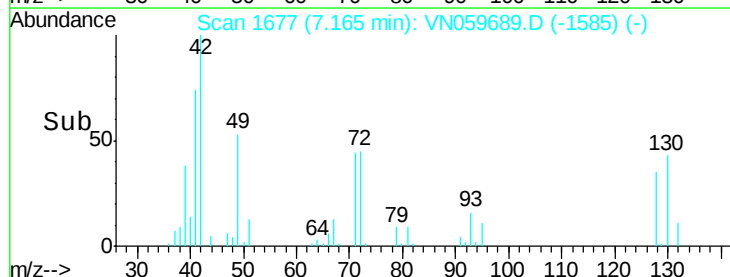
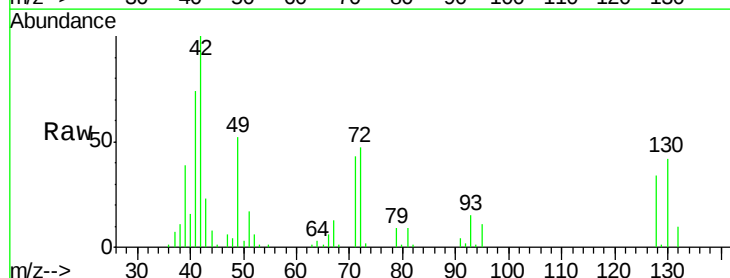
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#28
 Bromochloromethane
 Concen: 16.675 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.4
130	88.9	54.7	82.1#





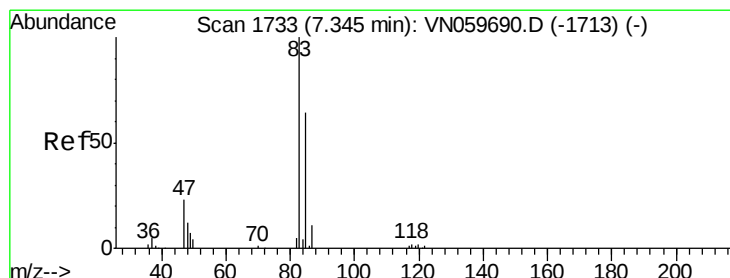
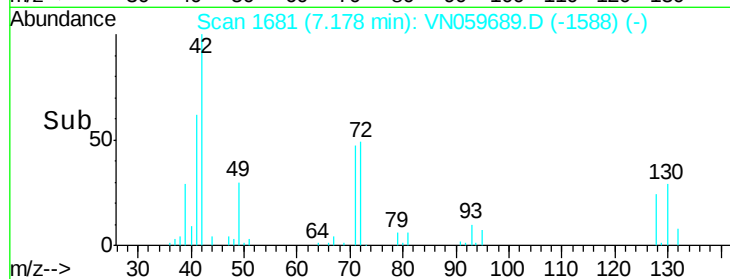
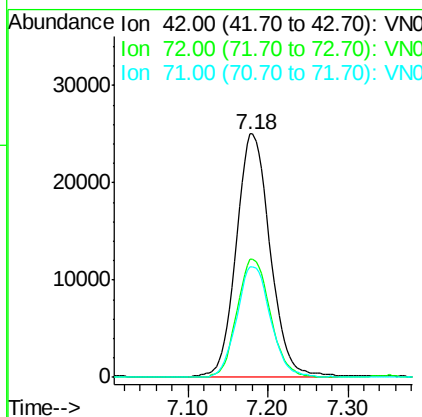
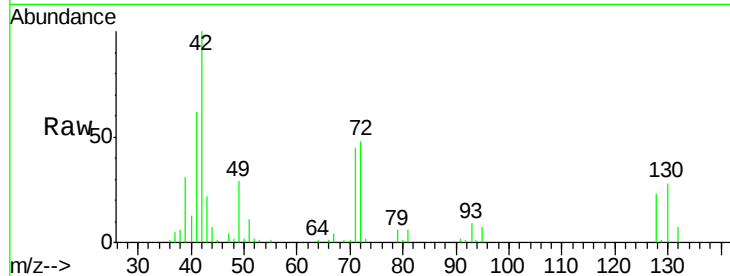
#29
Tetrahydrofuran
Concen: 60.823 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	33.1	49.7
71	45.0	31.4	47.0

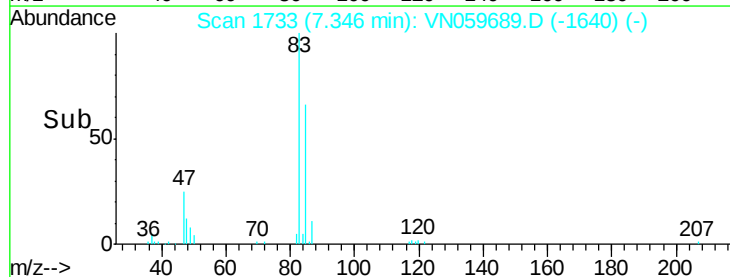
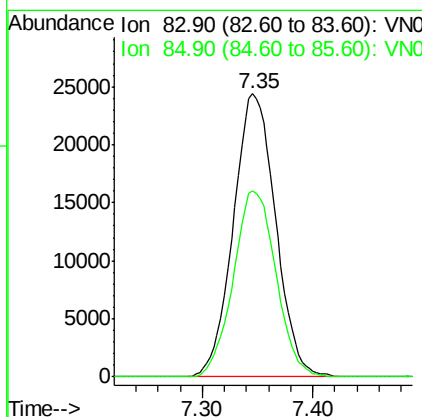
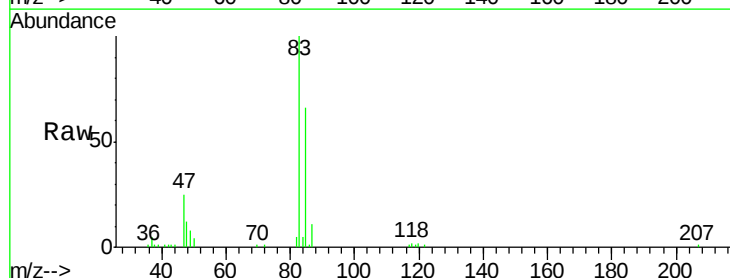
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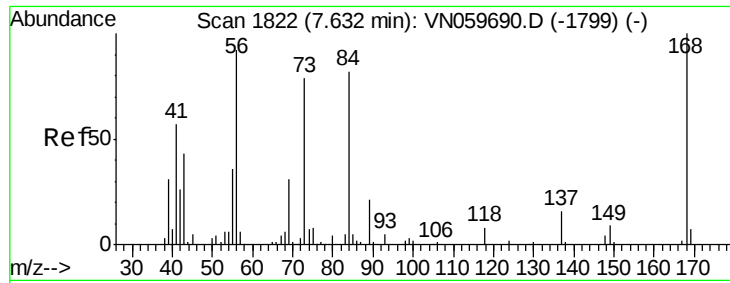
MMDadoda
1/14/2020 10:59:45 AM



#30
Chloroform
Concen: 15.517 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.4	78.6





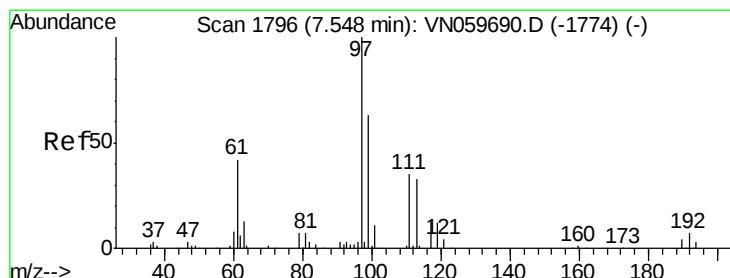
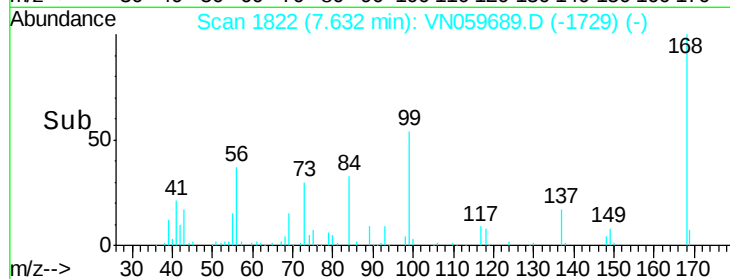
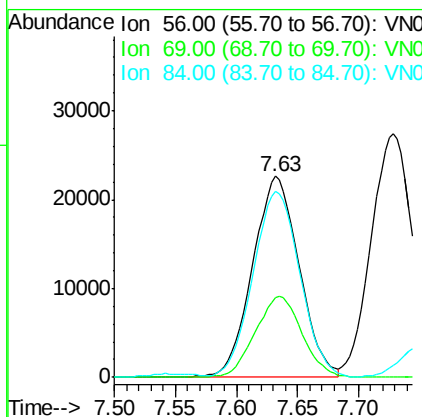
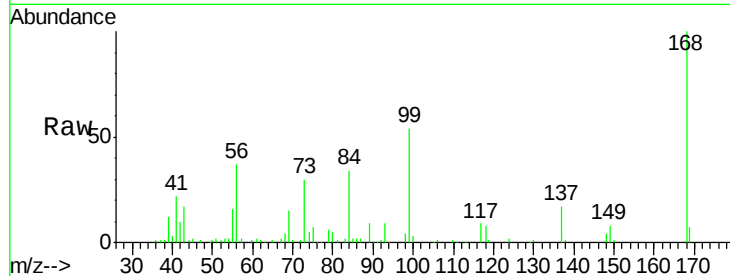
#31
Cyclohexane
Concen: 14.949 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	56	Resp:	59861
Ion Ratio	Lower	Upper	
56	100		
69	39.6	26.5	39.7
84	90.6	65.3	97.9

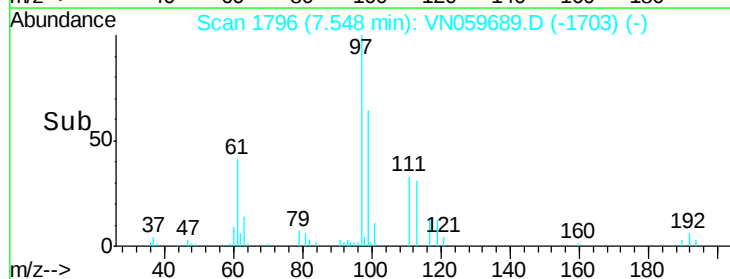
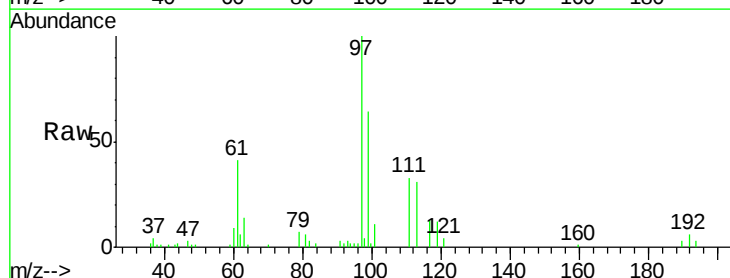
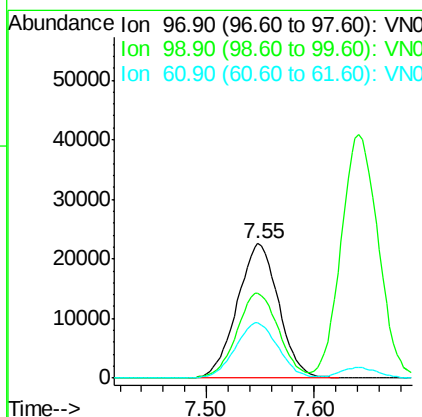
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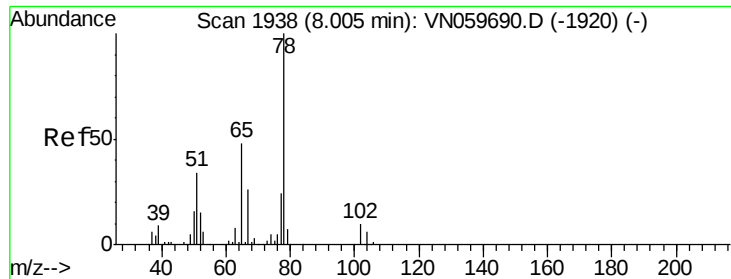
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#32
1,1,1-Trichloroethane
Concen: 15.996 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:	97	Resp:	60161
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.0	76.4
61	42.3	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 14.934 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 40958

Ion Ratio Lower Upper

65 100

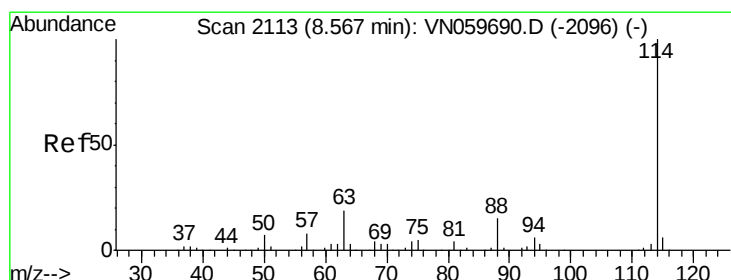
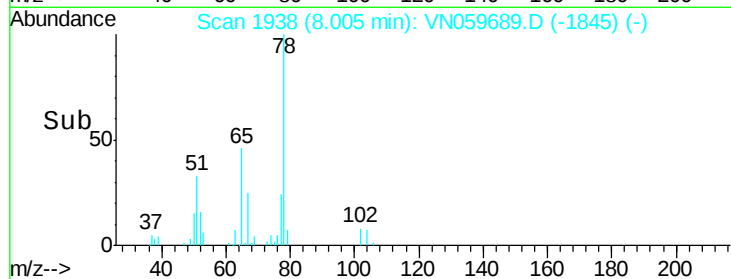
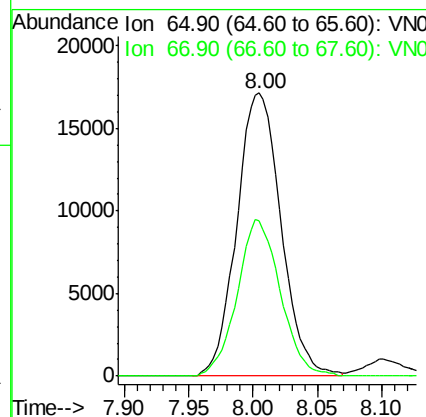
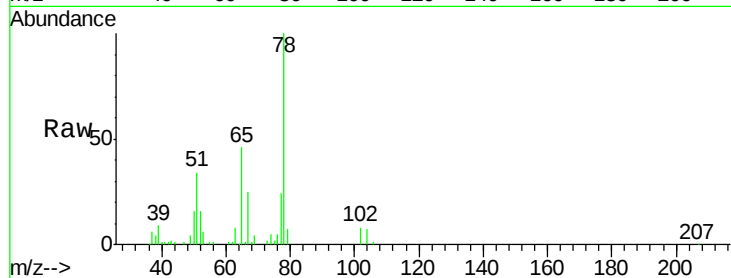
67 53.7 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

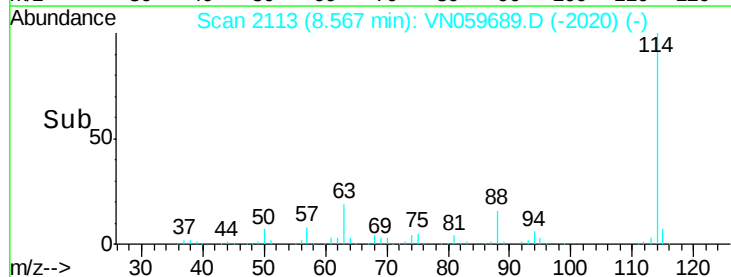
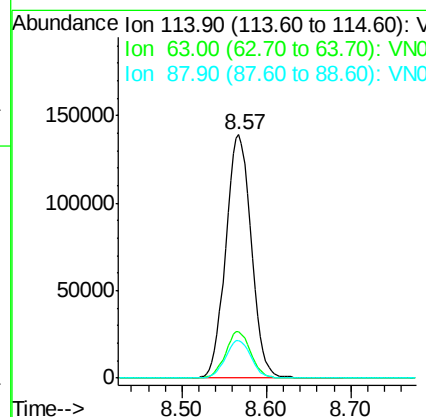
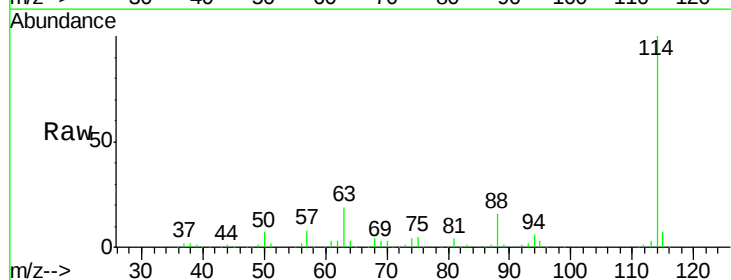
Tgt Ion: 114 Resp: 292037

Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.6

88 15.5 0.0 31.4





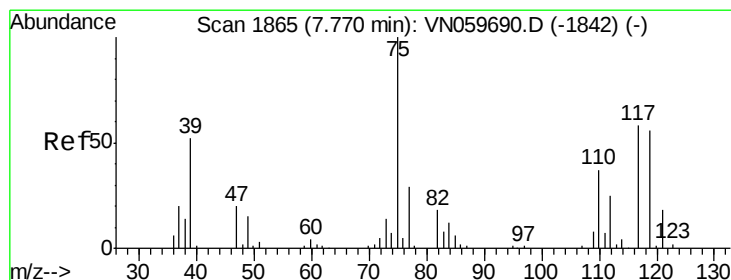
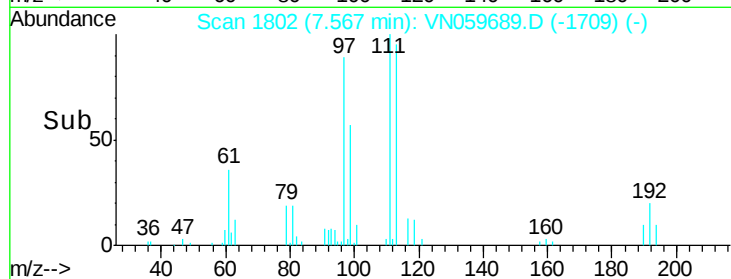
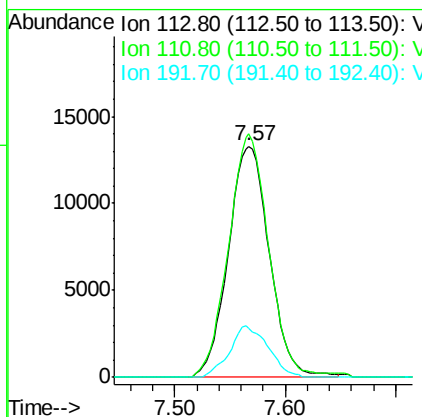
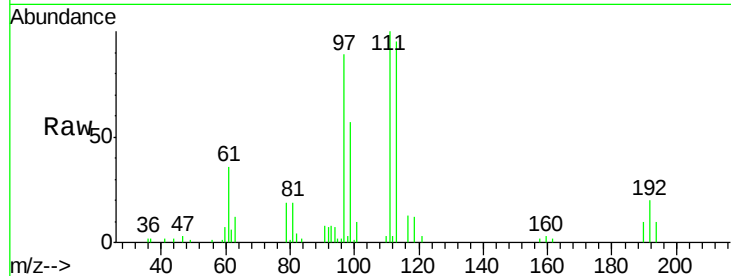
#35
 Dibromofluoromethane
 Concen: 18.752 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.5	125.3
192	20.9	15.4	23.2

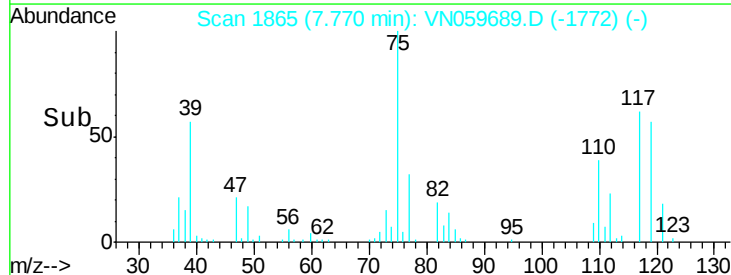
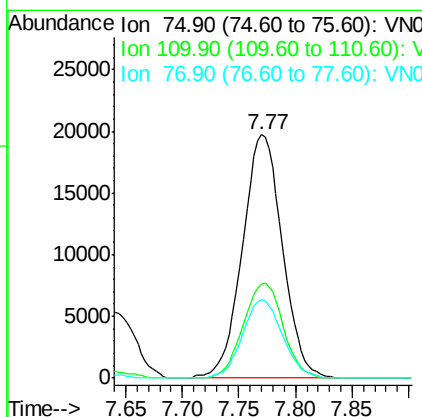
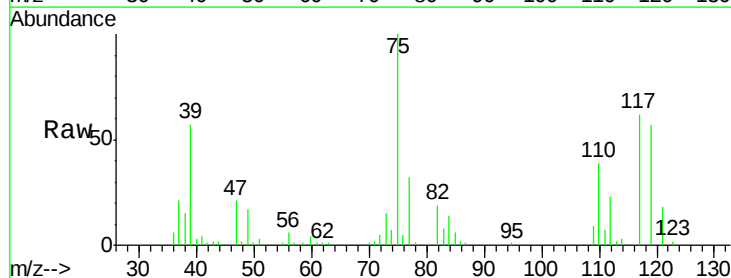
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#36
 1,1-Dichloropropene
 Concen: 15.913 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	16.6	49.7
77	32.3	25.1	37.7





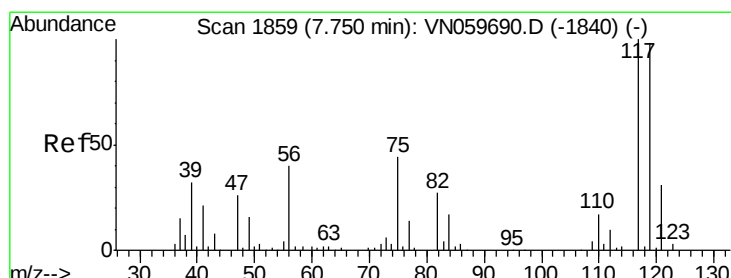
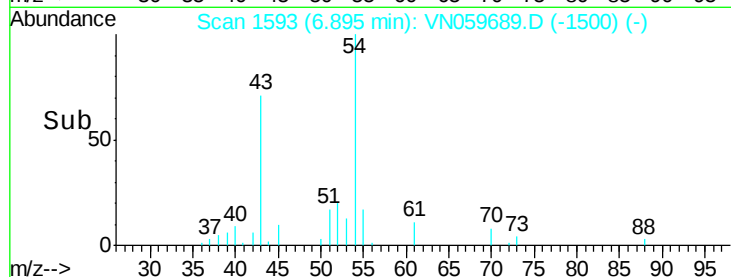
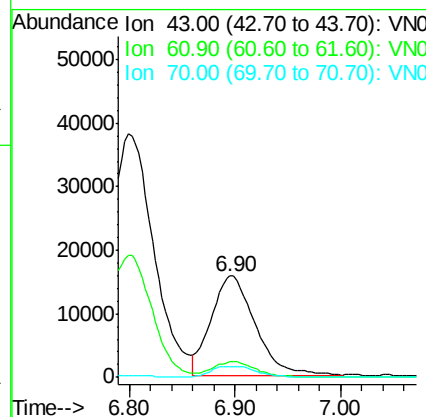
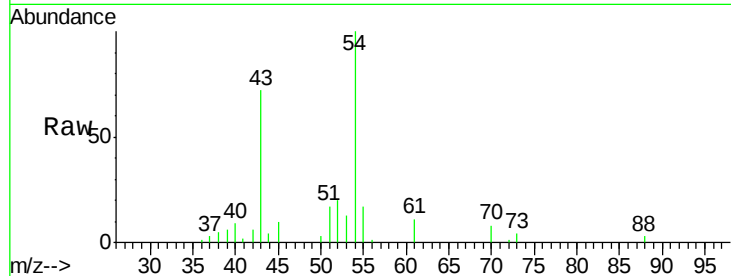
#37
Ethyl Acetate
Concen: 12.843 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 45462
Ion Ratio Lower Upper
43 100
61 15.3 10.9 16.3
70 11.3 7.7 11.5

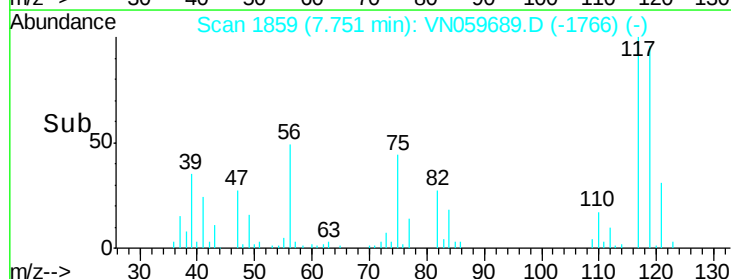
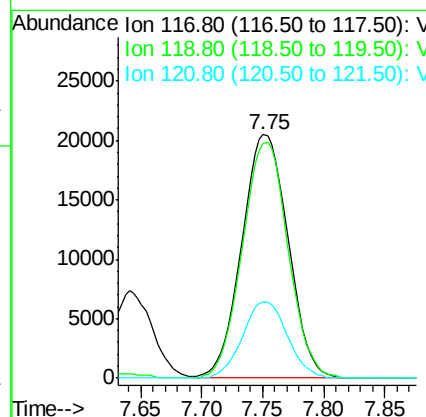
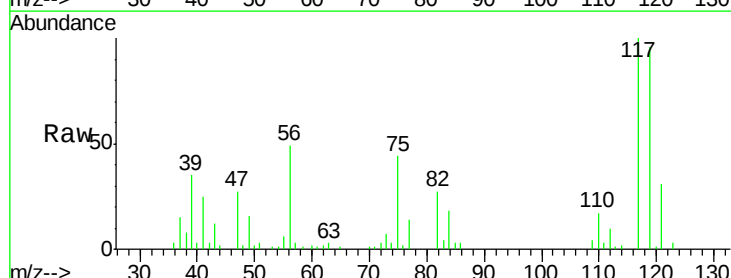
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#38
Carbon Tetrachloride
Concen: 17.082 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 117 Resp: 53982
Ion Ratio Lower Upper
117 100
119 96.4 76.5 114.7
121 31.4 25.1 37.7





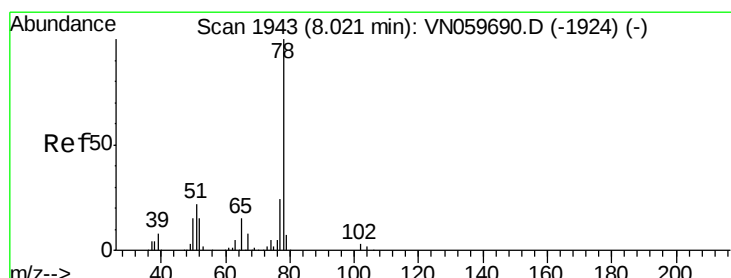
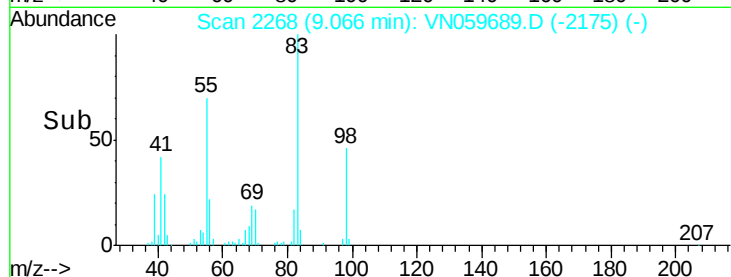
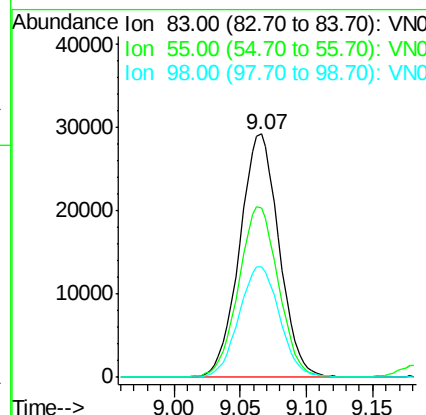
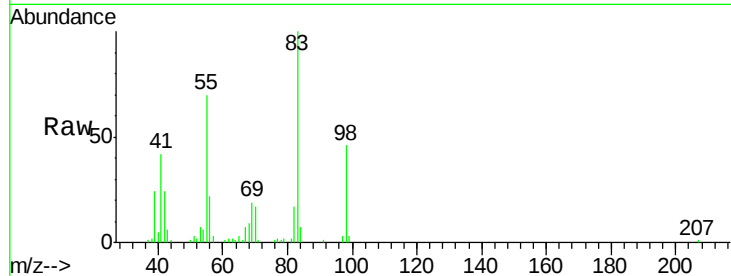
#39
Methvlcvclohexane
Concen: 17.497 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	64.2	96.2
98	45.6	35.9	53.9

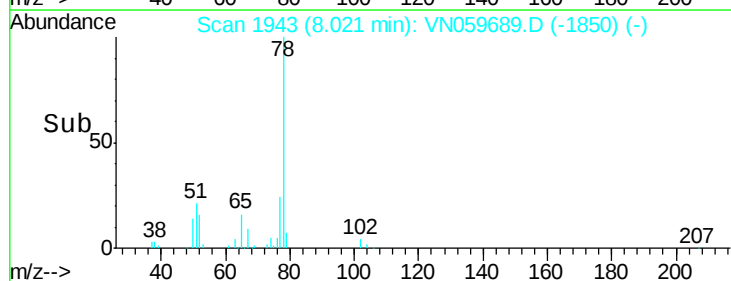
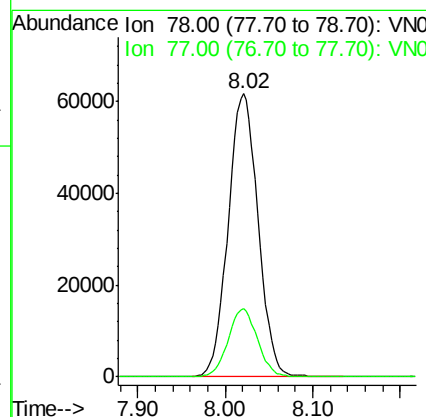
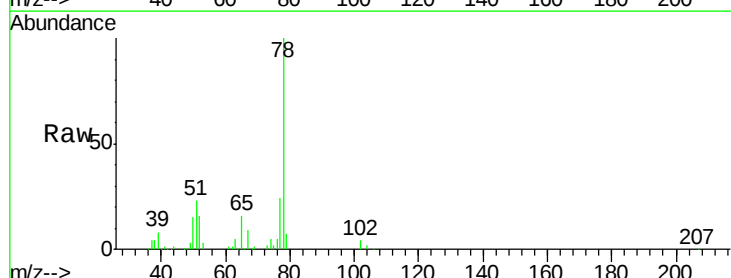
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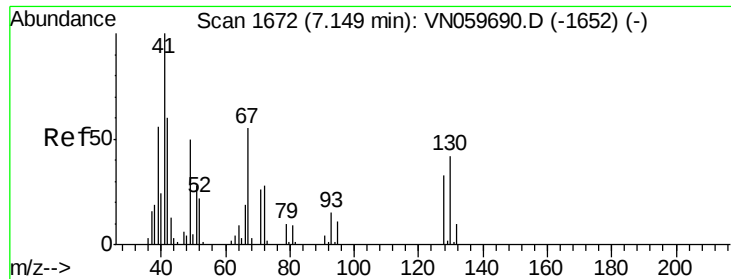
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#40
Benzene
Concen: 16.454 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





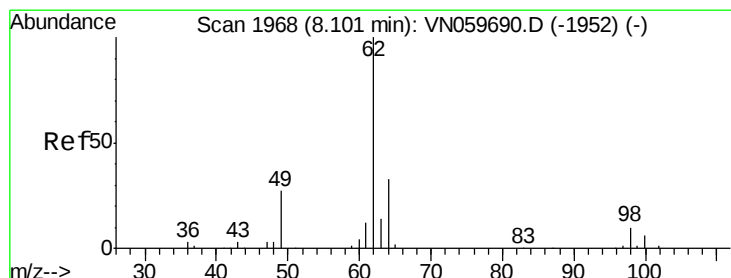
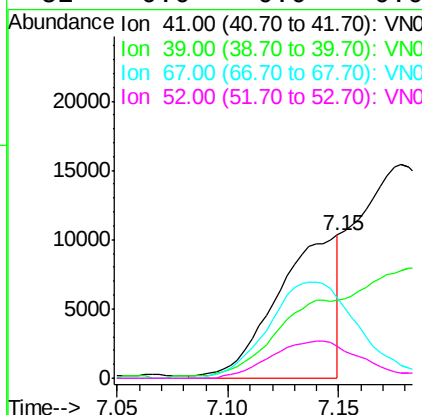
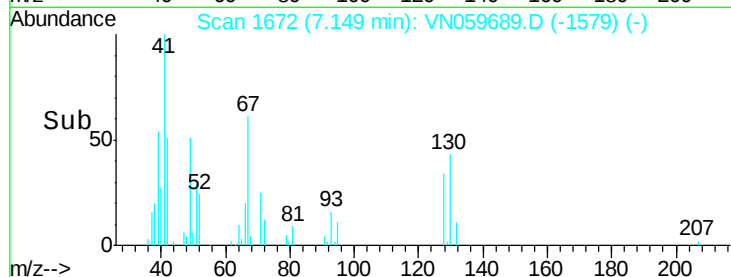
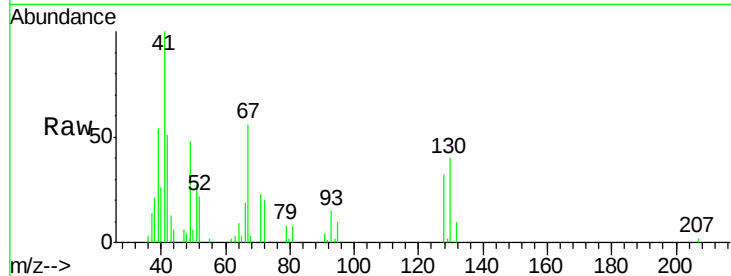
#41
Methacrylonitrile
Concen: 13.592 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	19855
Ion	Ratio	Lower	Upper
41	100		
39	178.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

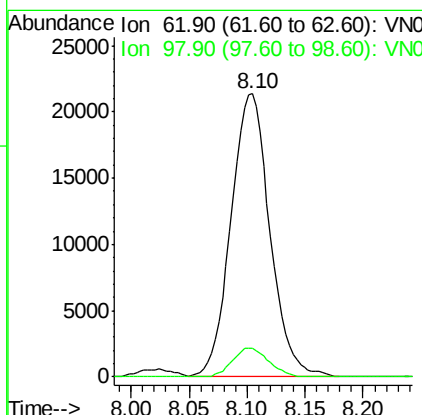
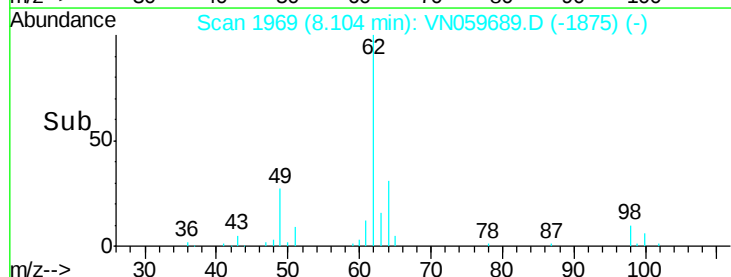
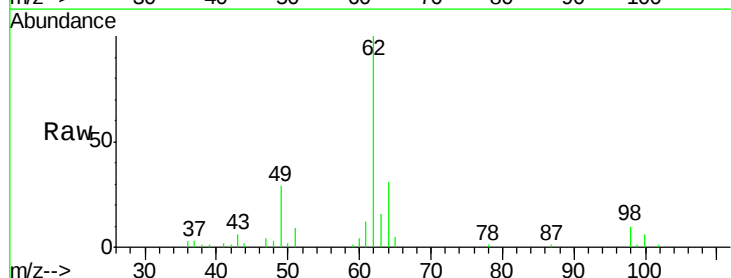
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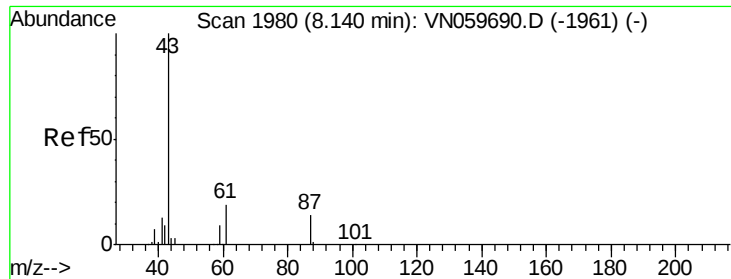
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#42
1,2-Dichloroethane
Concen: 14.638 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	62	Resp	49893
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	15.8





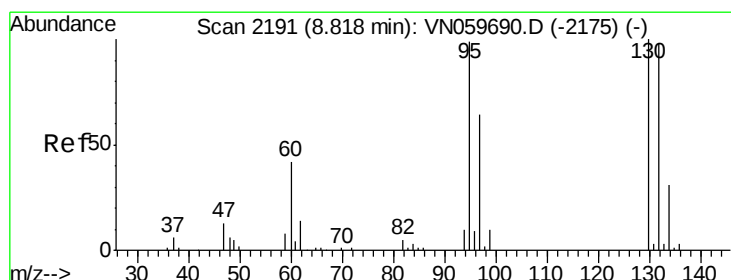
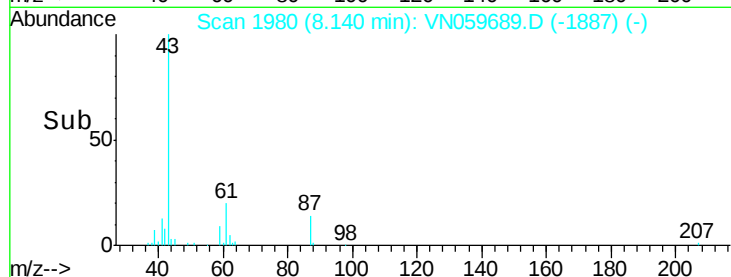
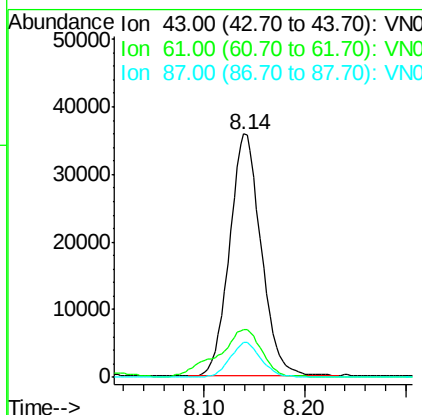
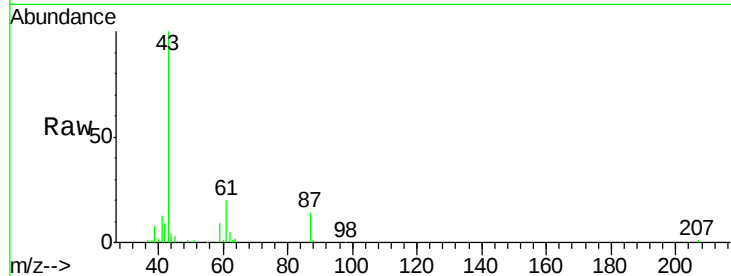
#43
Isopropyl Acetate
Concen: 14.174 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	20.2	30.2
87	14.3	9.5	14.3

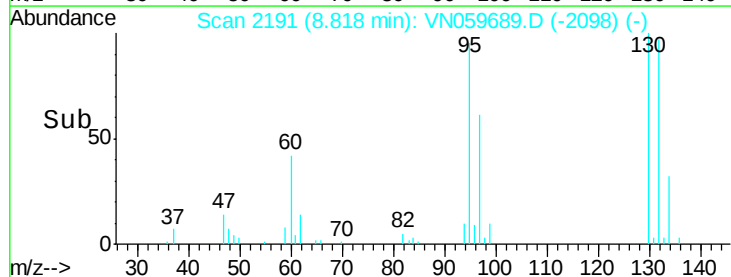
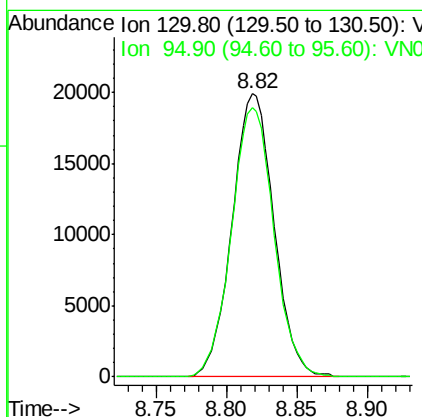
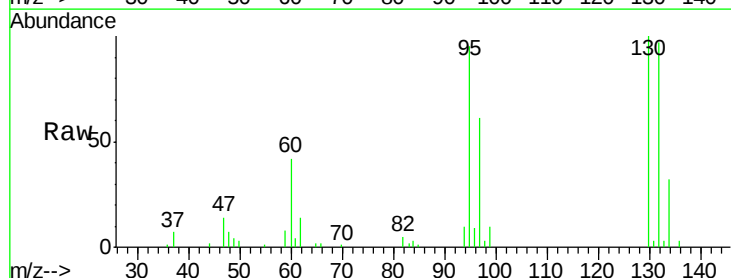
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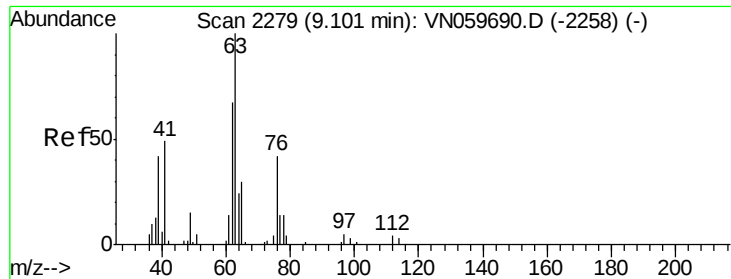
MMDadoda
1/14/2020 10:59:45 AM



#44
Trichloroethene
Concen: 17.717 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	207.0





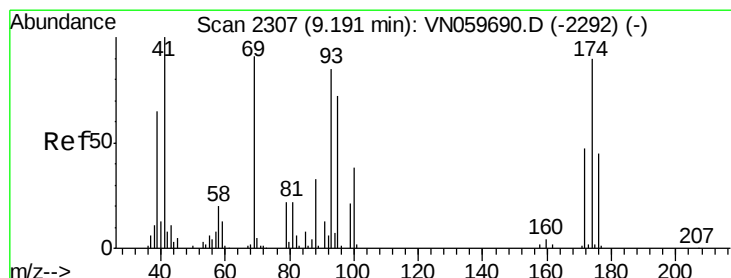
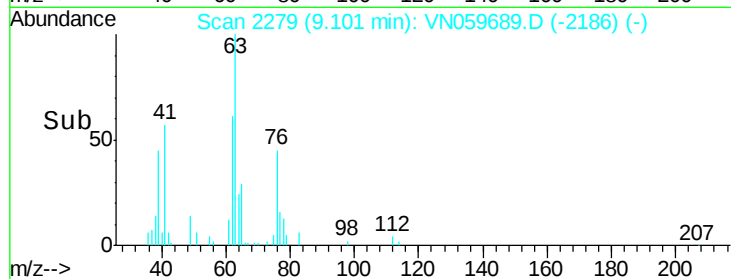
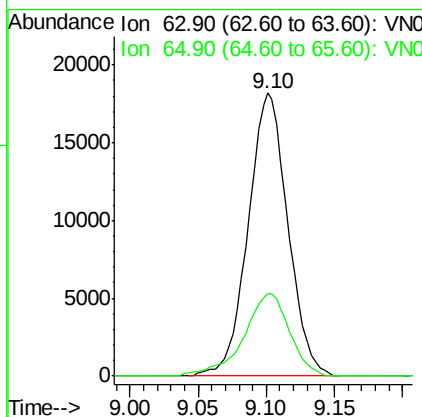
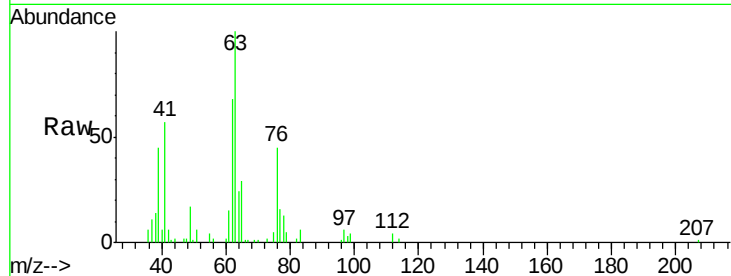
#45
 1,2-Dichloropropane
 Concen: 15.279 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.9	37.3

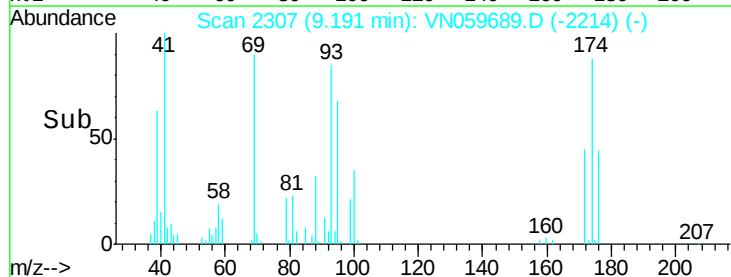
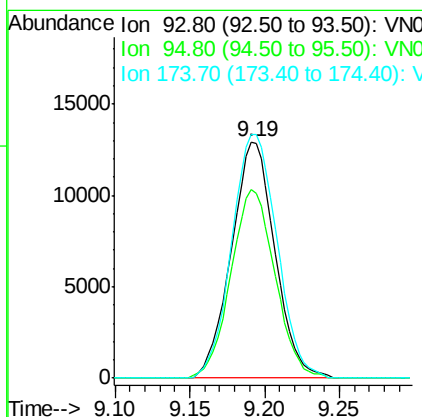
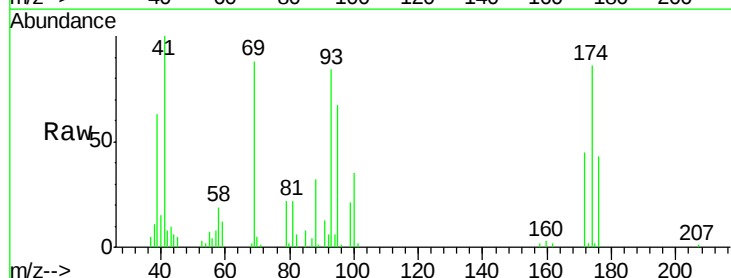
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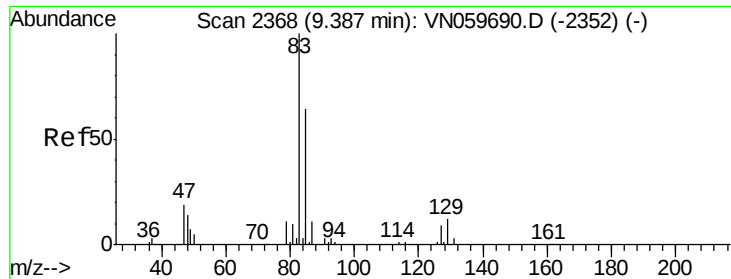
MMDadoda
 1/14/2020 10:59:45 AM



#46
 Dibromomethane
 Concen: 16.660 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.8	67.0	100.6
174	107.1	73.4	110.2





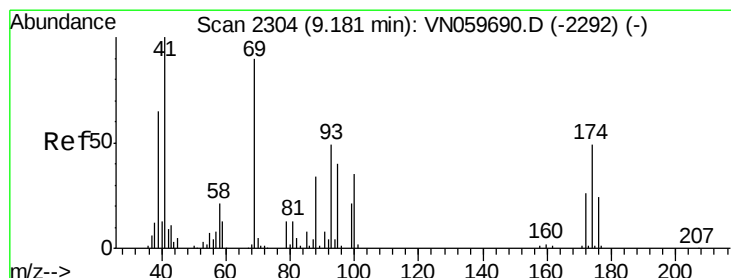
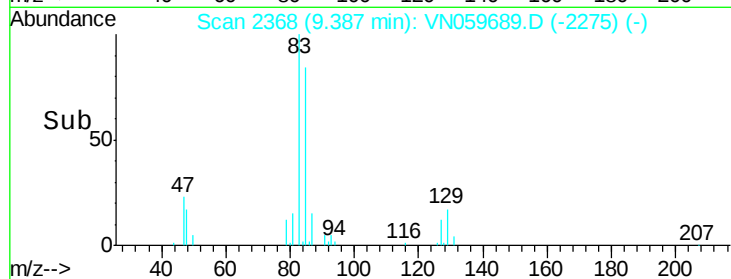
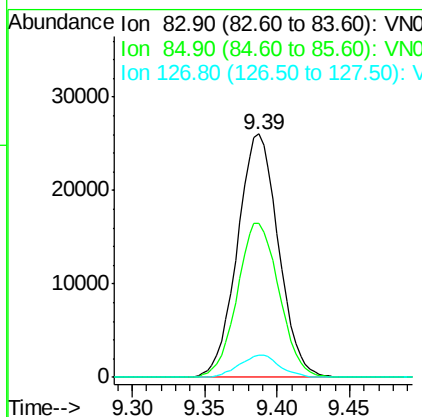
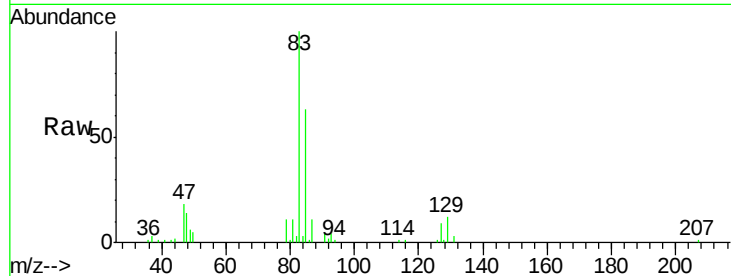
#47
Bromodichloromethane
Concen: 16.330 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	51264
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	51.1	76.7
127	9.0	6.6	9.8

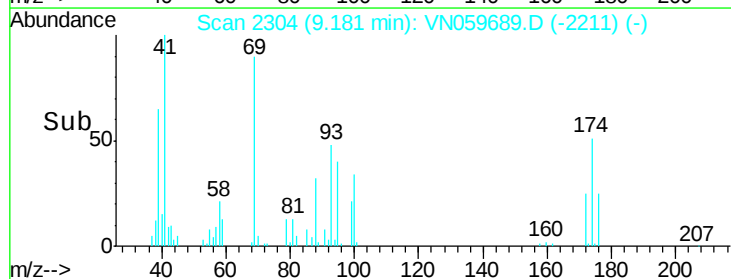
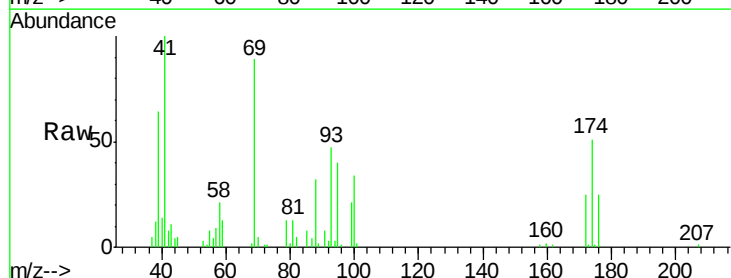
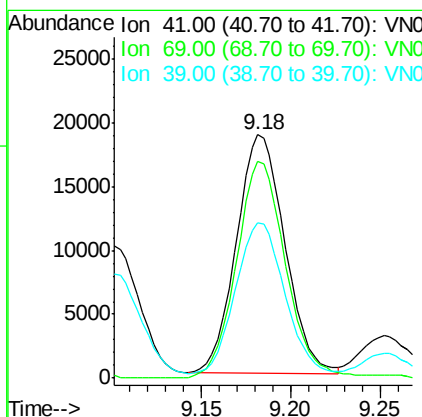
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#48
Methyl methacrylate
Concen: 14.171 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	41	Resp	35382
Ion Ratio	100	Lower	Upper
41	100		
69	92.8	64.4	96.6
39	64.6	51.3	76.9





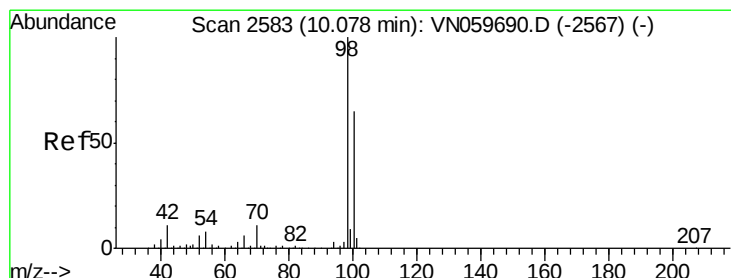
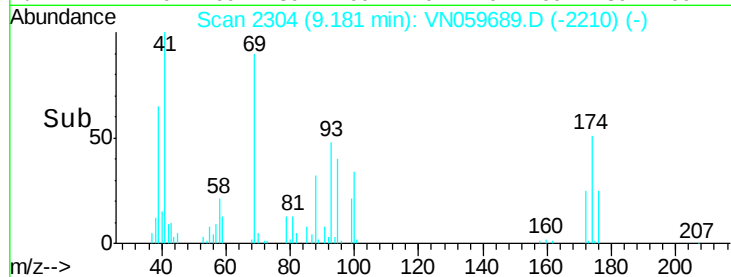
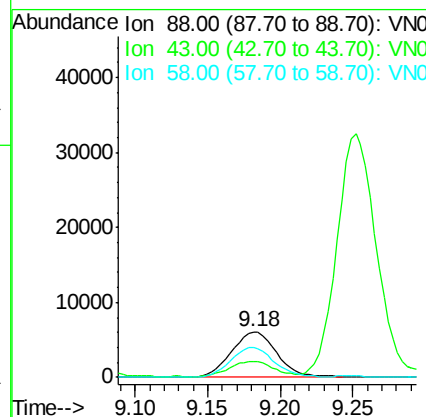
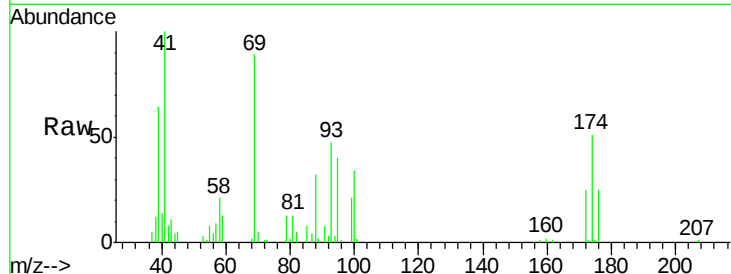
#49
1,4-Dioxane
Concen: 365.891 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	13092
Ion	Ratio	Lower	Upper
88	100		
43	35.3	29.7	44.5
58	63.8	56.6	85.0

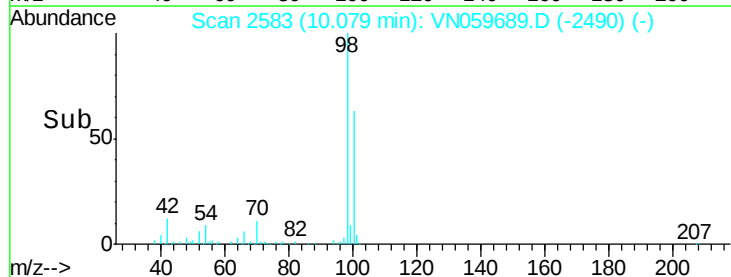
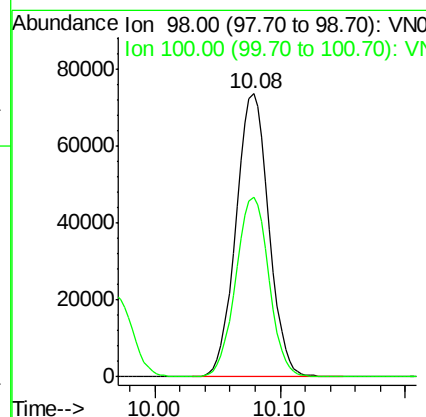
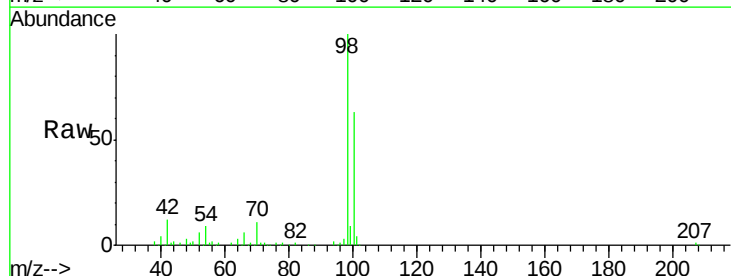
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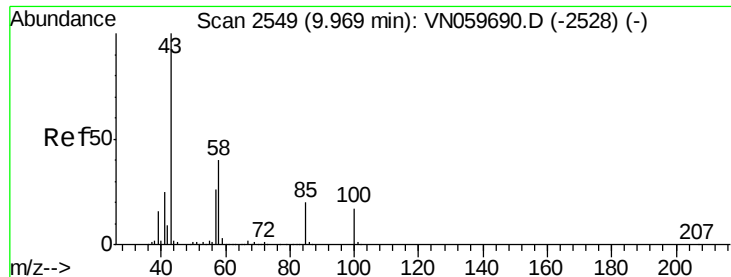
MMDadoda
1/14/2020 10:59:45 AM



#50
Toluene-d8
Concen: 18.533 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	98	Resp	134074
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 70.328 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 230761

Ion Ratio Lower Upper

43 100

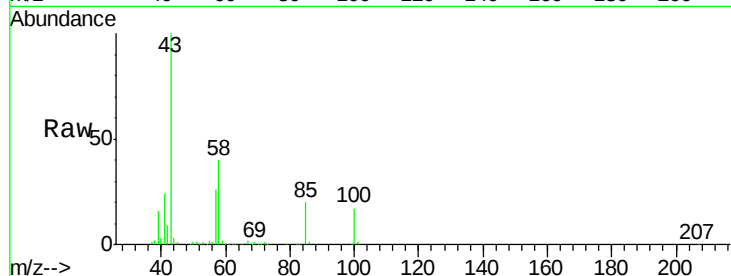
58 40.0 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

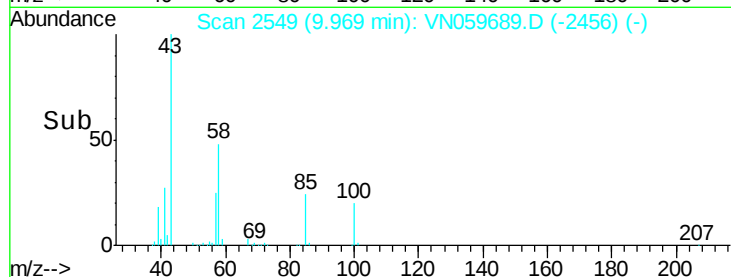
150000

100000

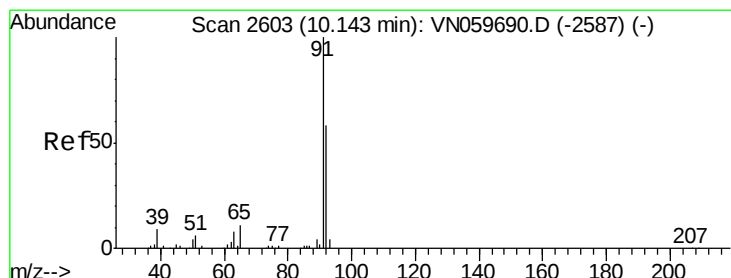
50000

0

9.90 9.97 10.00



Time-->



#52

Toluene

Concen: 17.087 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059689.D

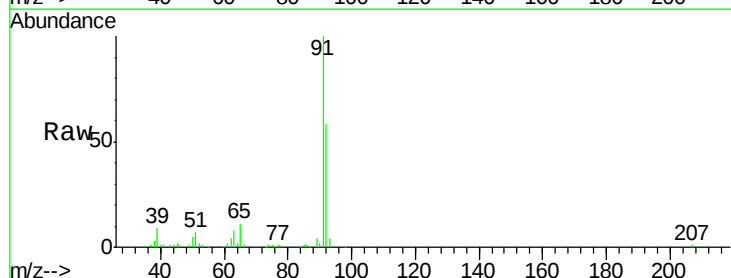
Acq: 13 Jan 2020 14:30

Tgt Ion: 92 Resp: 93443

Ion Ratio Lower Upper

92 100

91 173.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

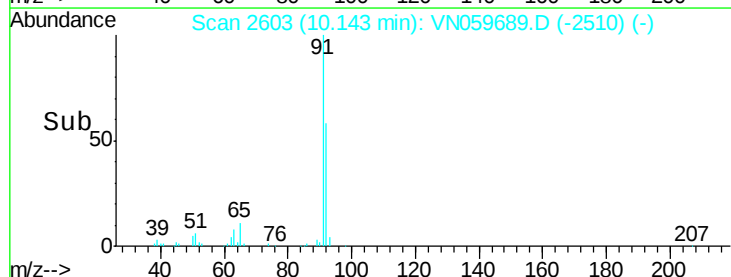
60000

40000

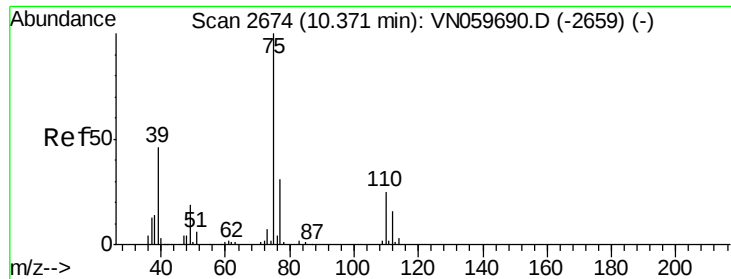
20000

0

10.05 10.10 10.14 10.20



Time-->



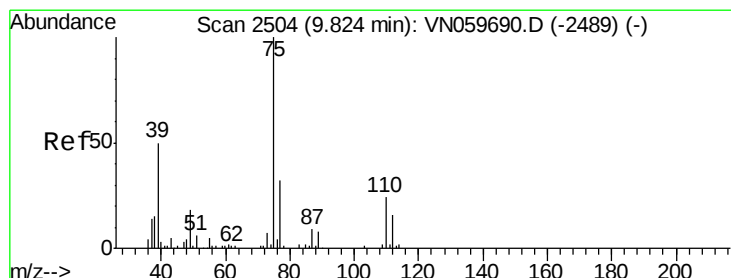
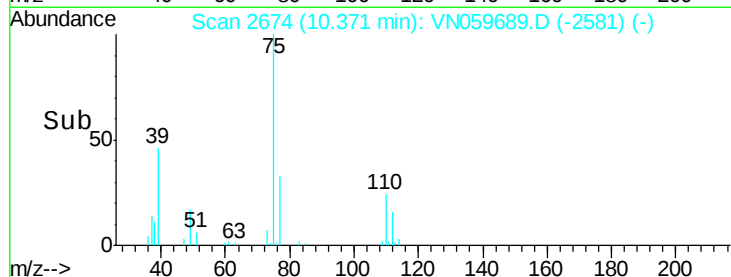
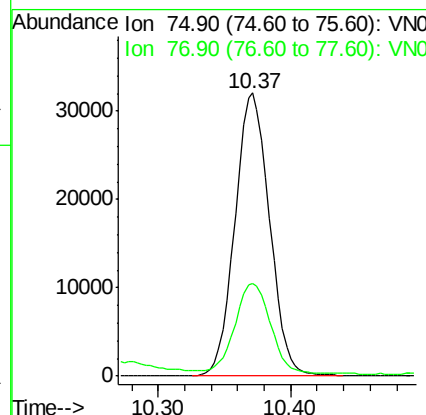
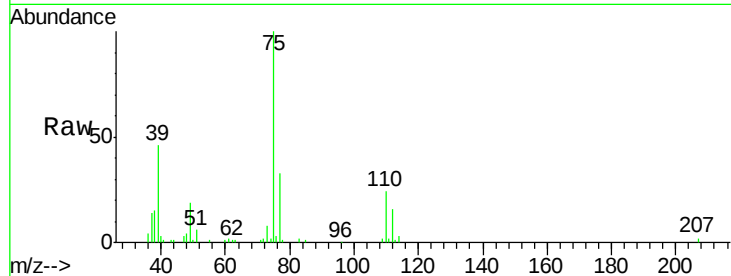
#53
t-1,3-Dichloropropene
Concen: 16.005 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

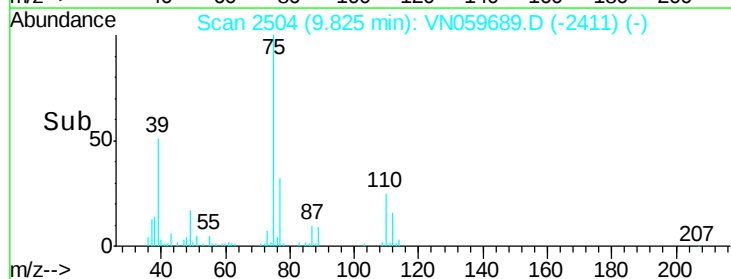
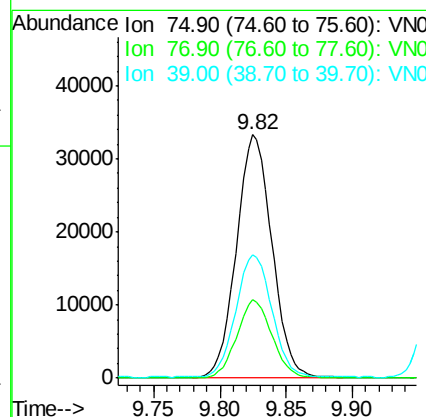
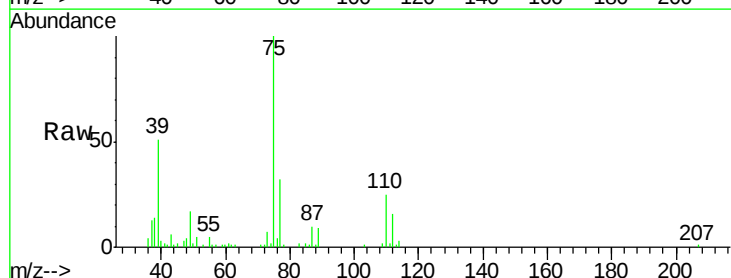
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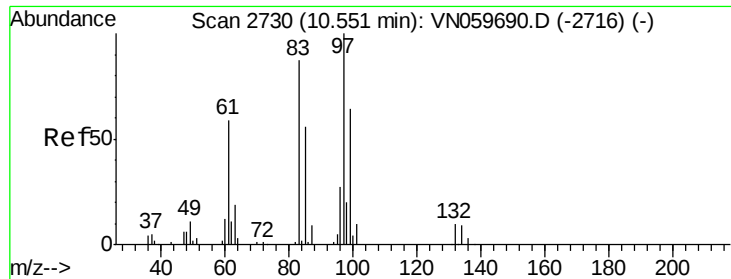
MMDadoda
1/14/2020 10:59:45 AM



#54
cis-1,3-Dichloropropene
Concen: 16.295 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.1	37.7
39	50.0	46.1	69.1





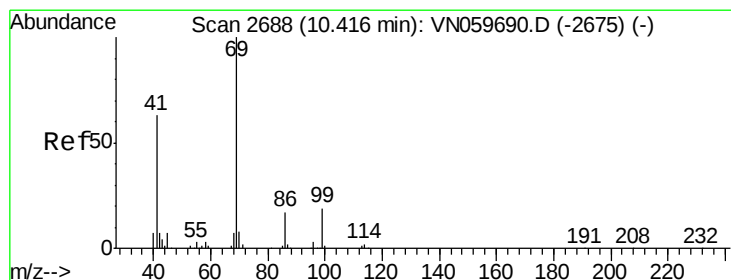
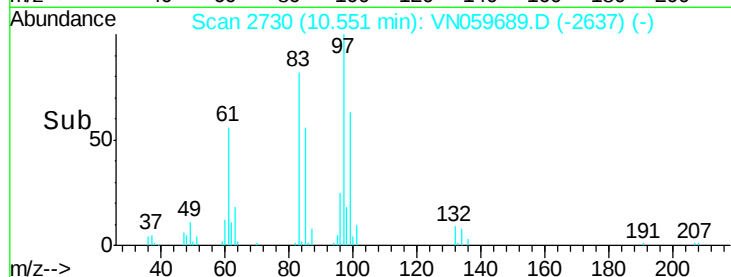
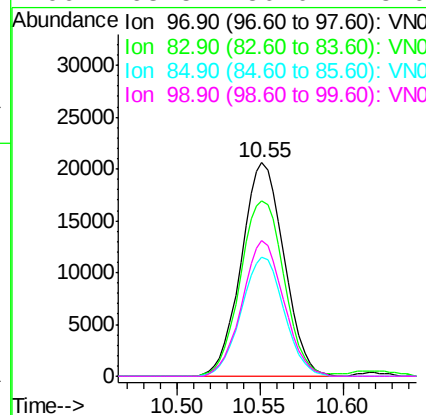
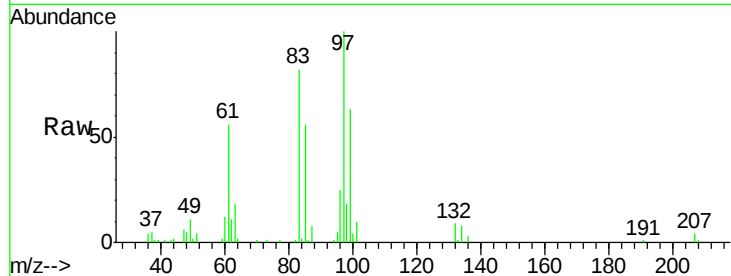
#55
 1,1,2-Trichloroethane
 Concen: 17.271 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	37062
Ion	Ratio	Lower	Upper
97	100		
83	82.0	71.3	106.9
85	55.8	45.8	68.8
99	63.5	50.0	75.0

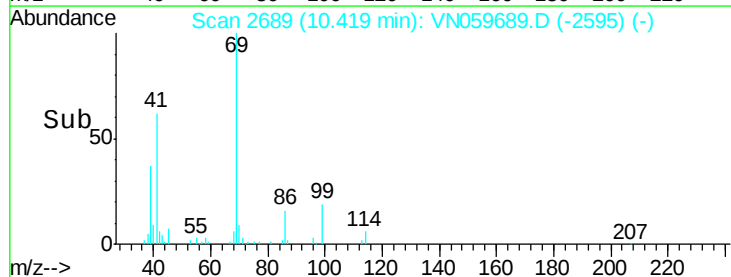
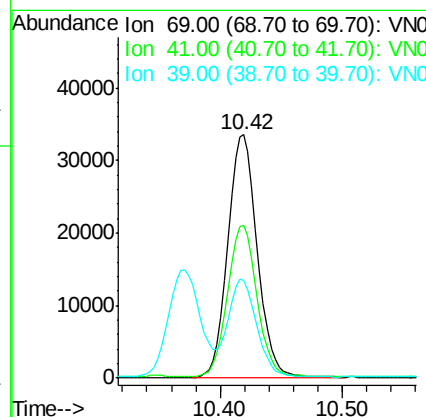
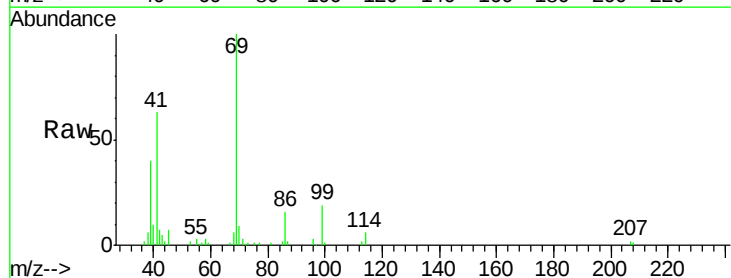
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#56
 Ethyl methacrylate
 Concen: 17.932 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion:	69	Resp:	57125
Ion	Ratio	Lower	Upper
69	100		
41	61.2	57.1	85.7
39	38.7	34.7	52.1





#57

1,3-Dichloropropane

Concen: 16.080 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 60080

Ion Ratio Lower Upper

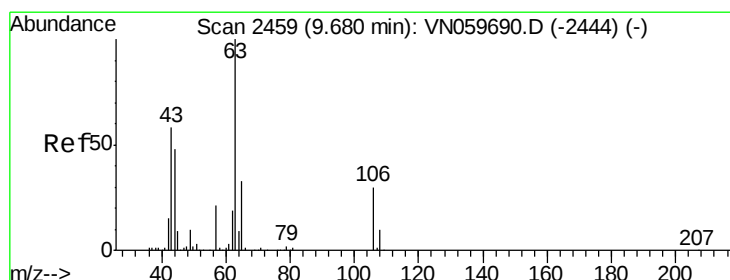
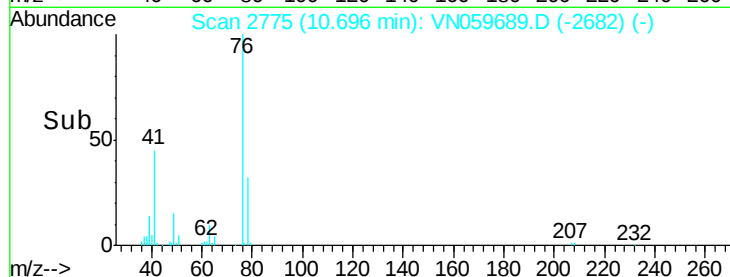
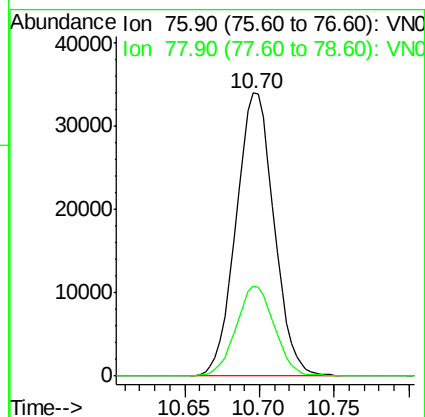
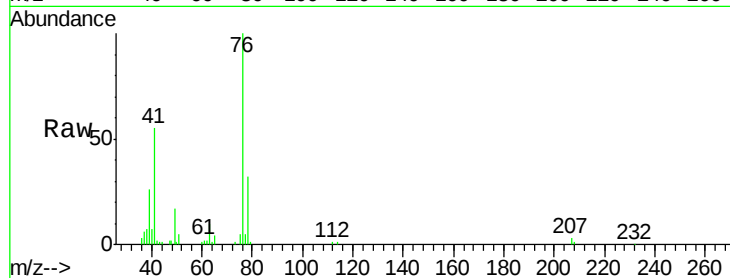
76 100

78 32.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 85.939 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059689.D

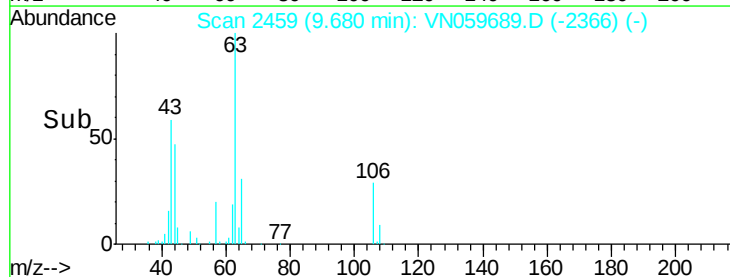
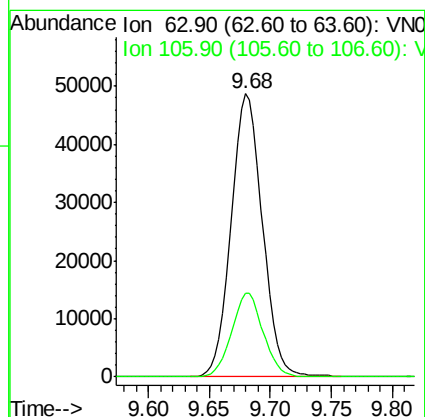
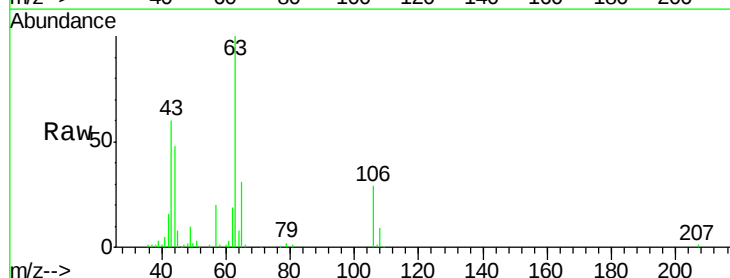
Acq: 13 Jan 2020 14:30

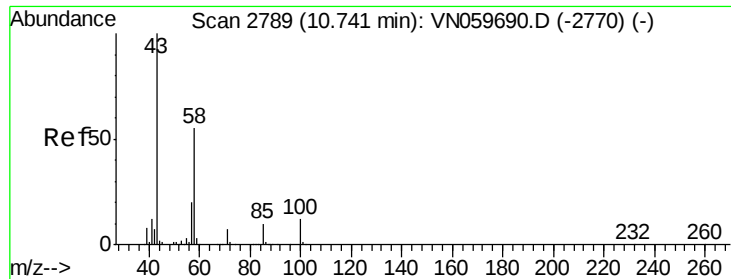
Tgt Ion: 63 Resp: 87071

Ion Ratio Lower Upper

63 100

106 29.7 20.2 30.2





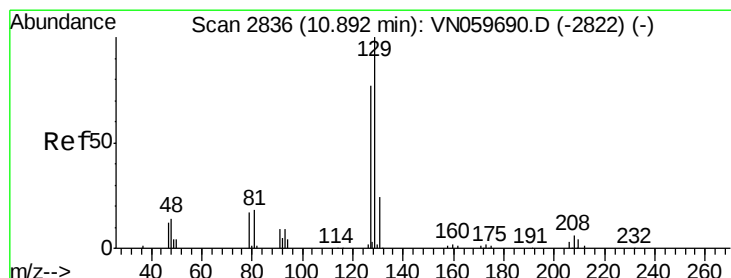
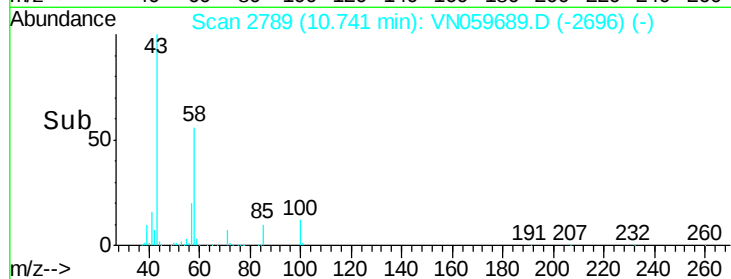
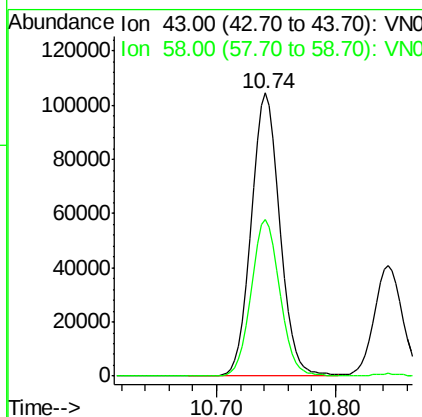
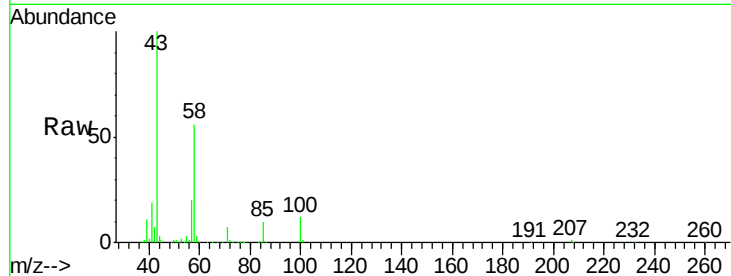
#59
2-Hexanone
Concen: 67.443 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 174408
Ion Ratio Lower Upper
43 100
58 55.4 25.8 77.3

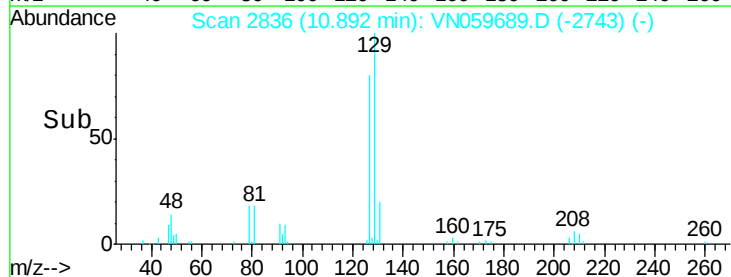
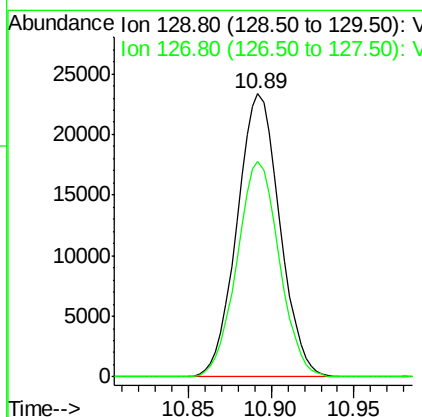
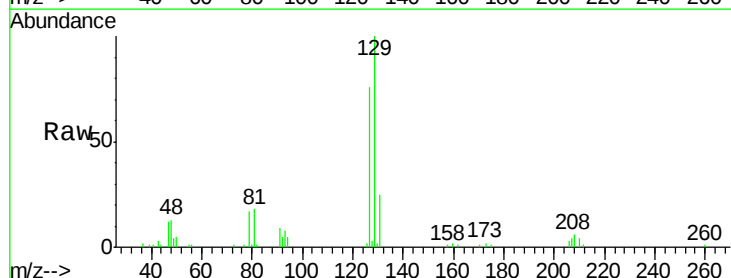
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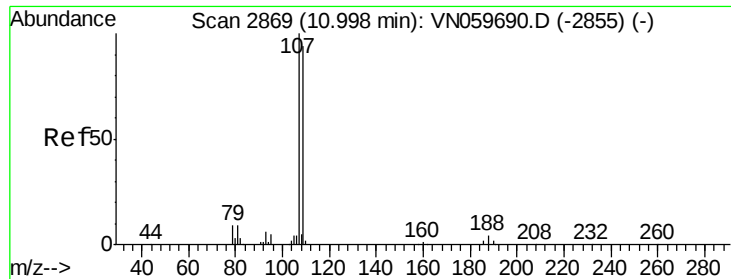
MMDadoda
1/14/2020 10:59:45 AM



#60
Dibromochloromethane
Concen: 17.892 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion: 129 Resp: 41905
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.5





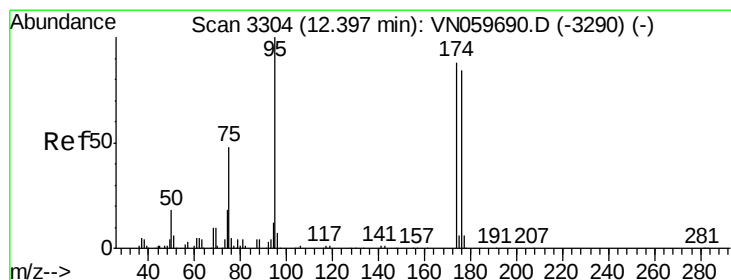
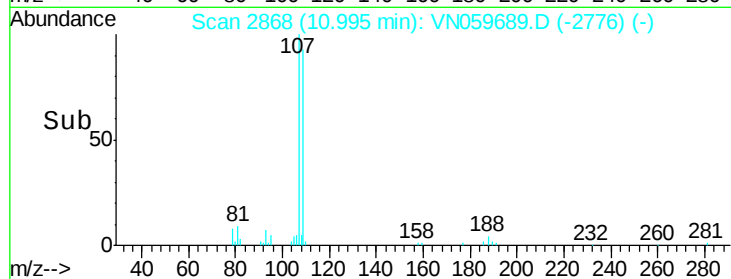
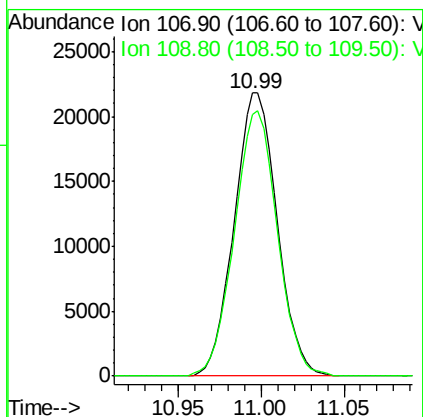
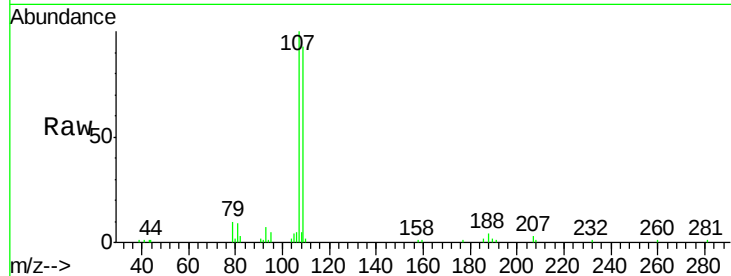
#61
 1,2-Dibromoethane
 Concen: 17.266 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.6	115.0

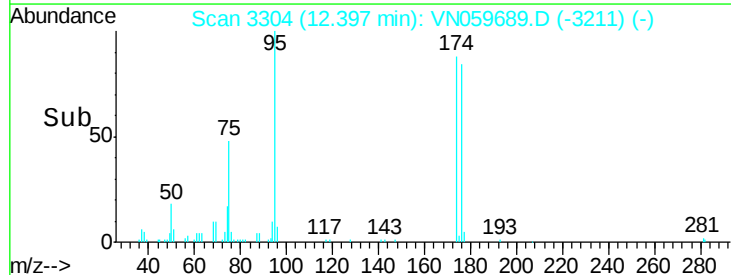
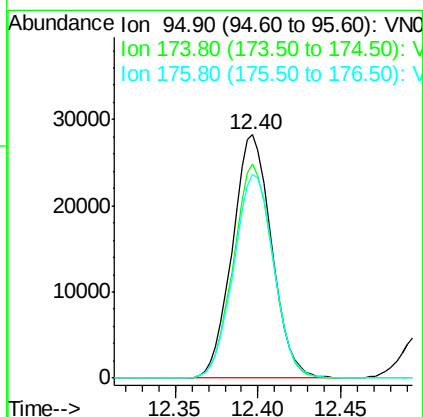
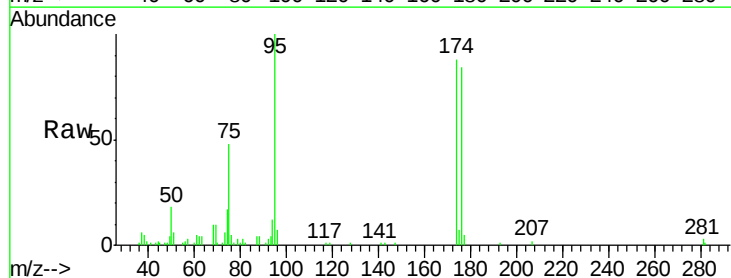
Manual Integrations
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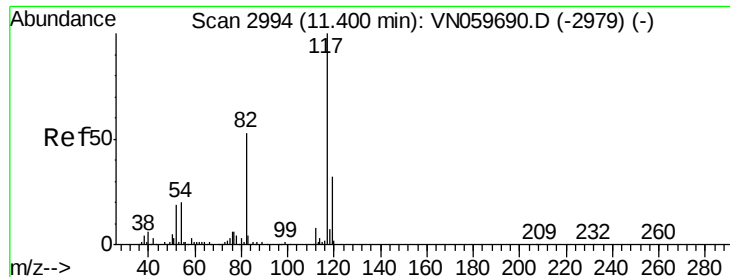
MMDadoda
 1/14/2020 10:59:45 AM



#62
 4-Bromofluorobenzene
 Concen: 17.636 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	151.4
176	85.7	0.0	146.0





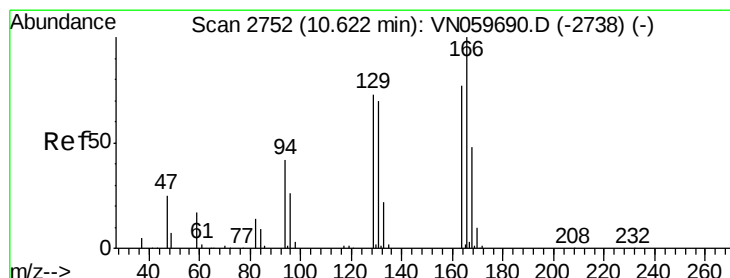
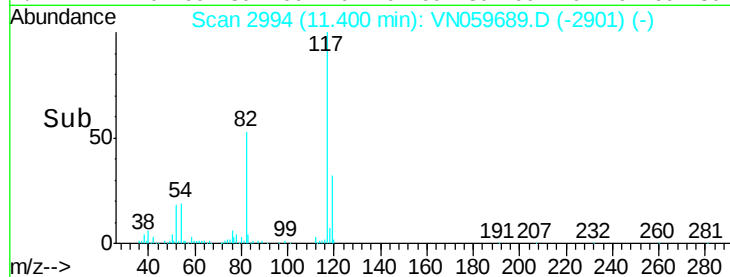
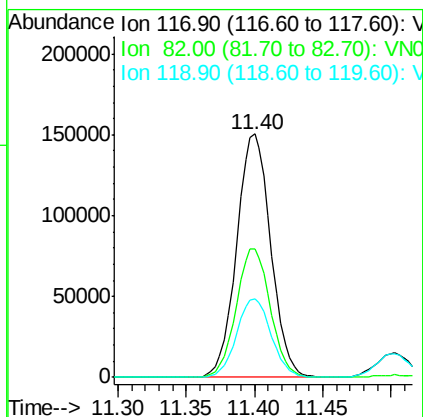
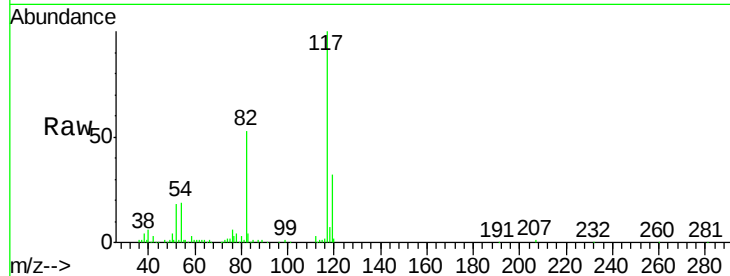
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	260514		
82	52.9		45.9	68.9
119	32.2		25.5	38.3

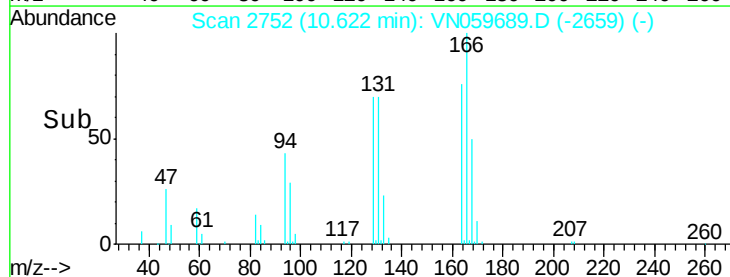
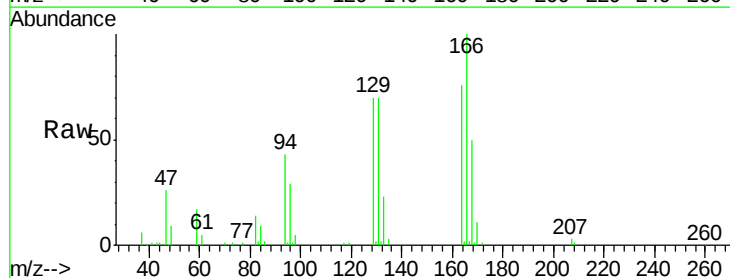
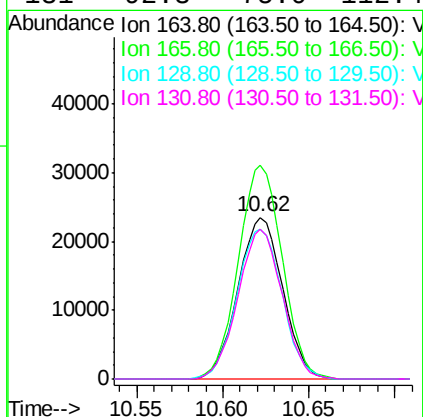
Manual Integrations
APPROVED

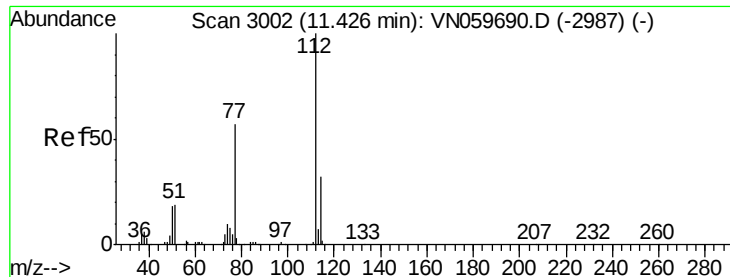
MMDadoda
1/14/2020 10:59:45 AM



#64
Tetrachloroethene
Concen: 17.514 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42532		
166	132.1		101.4	152.0
129	92.9		80.2	120.4
131	92.3		75.0	112.4





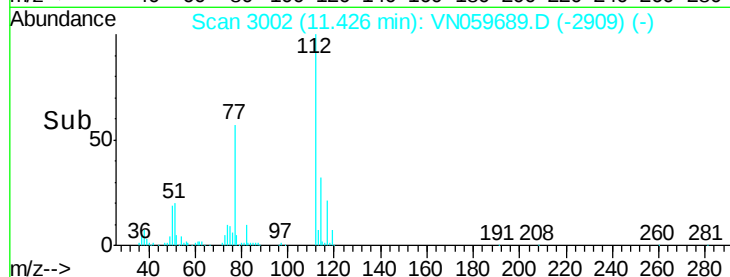
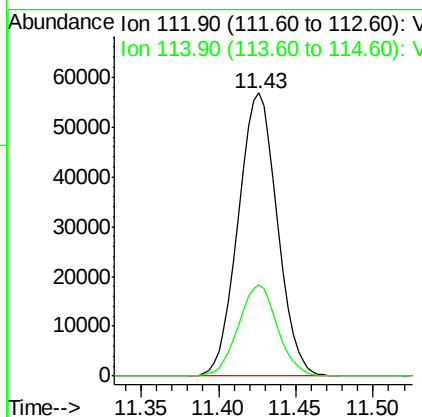
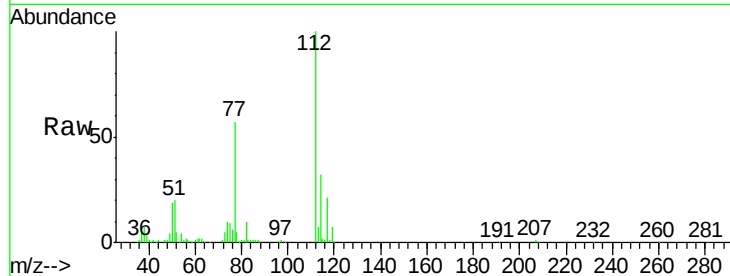
#65
Chlorobenzene
Concen: 17.733 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 99956
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8

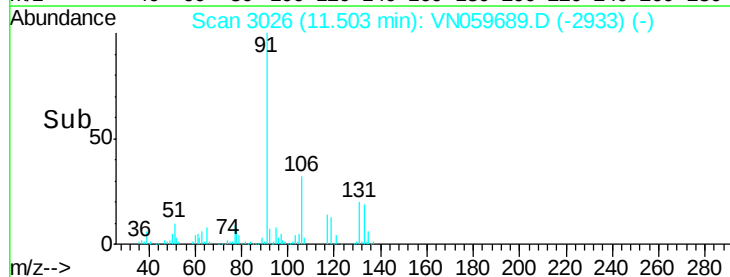
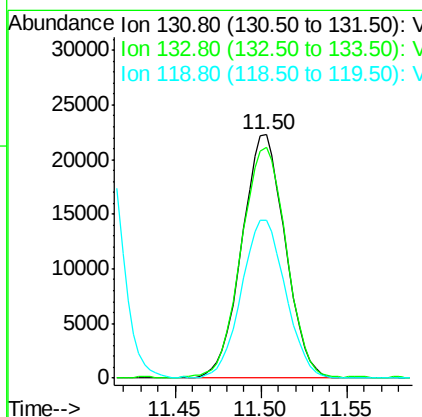
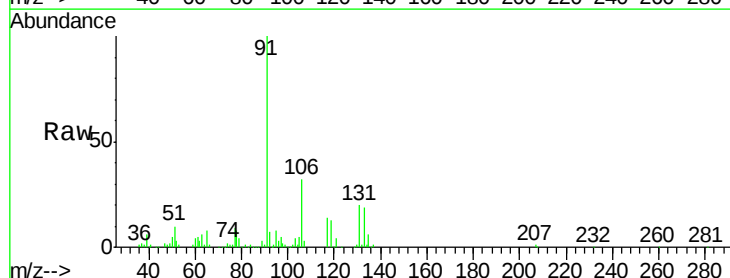
Manual Integrations
APPROVED

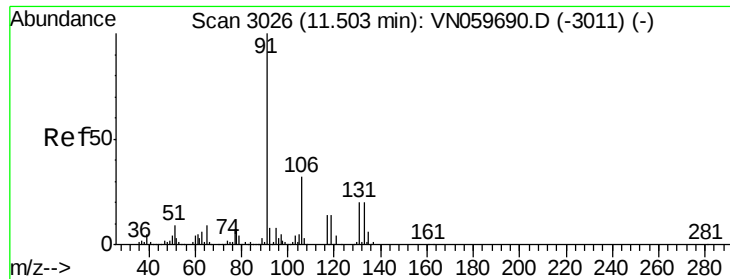
MMDadoda
1/14/2020 10:59:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.194 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:131 Resp: 38954
Ion Ratio Lower Upper
131 100
133 98.8 47.4 142.2
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 17.813 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 181241

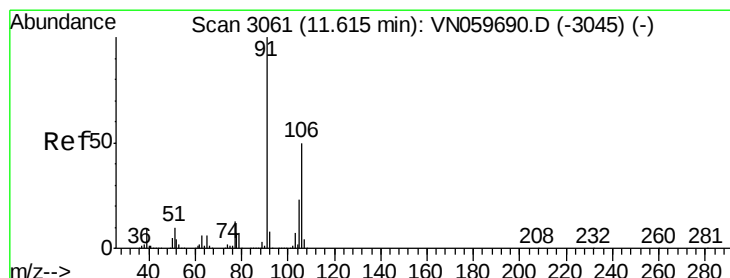
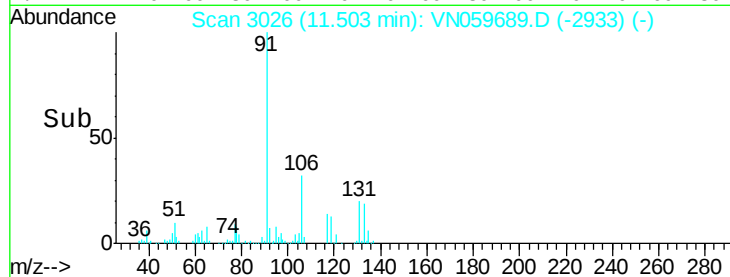
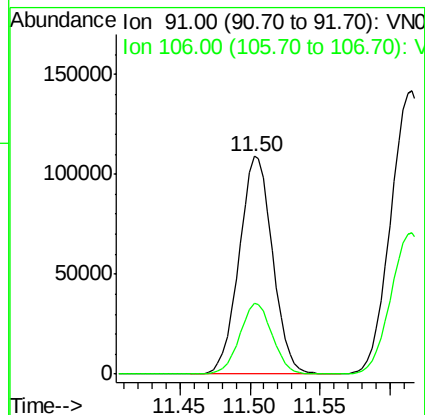
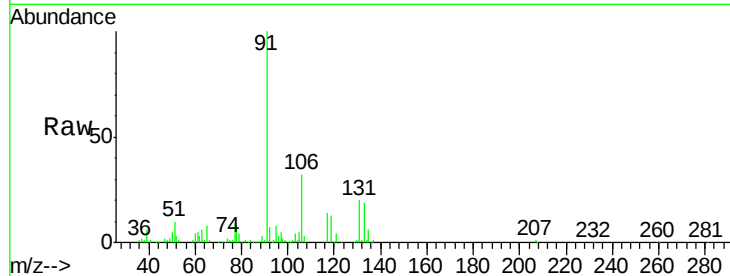
Ion Ratio Lower Upper

91 100

106 32.4 24.1 36.1

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 36.696 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059689.D

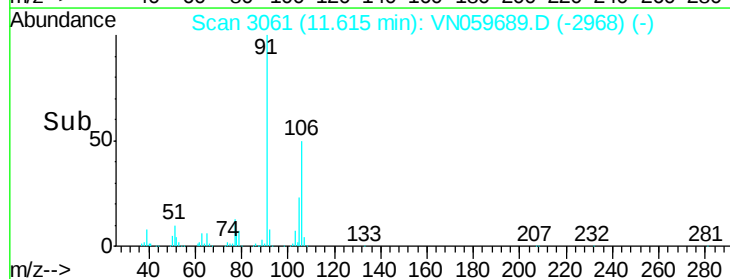
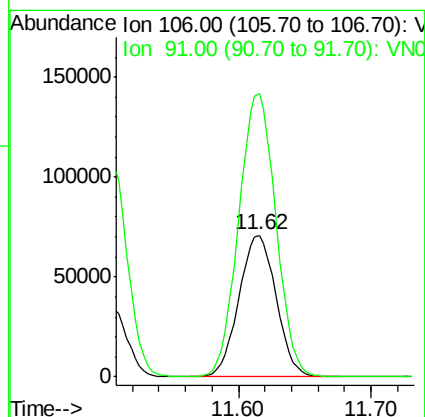
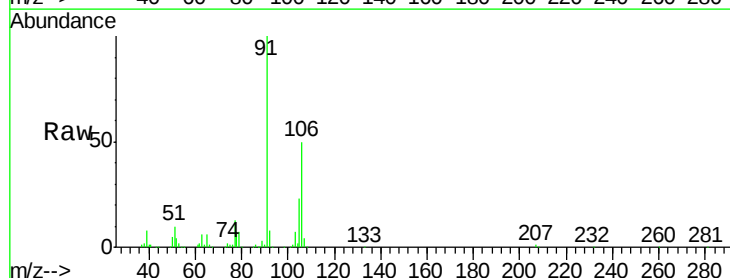
Acq: 13 Jan 2020 14:30

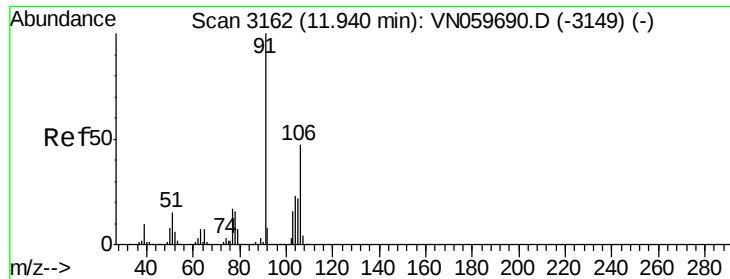
Tgt Ion: 106 Resp: 137876

Ion Ratio Lower Upper

106 100

91 200.4 167.9 251.9





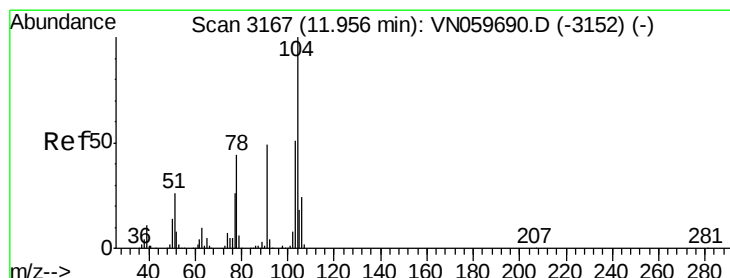
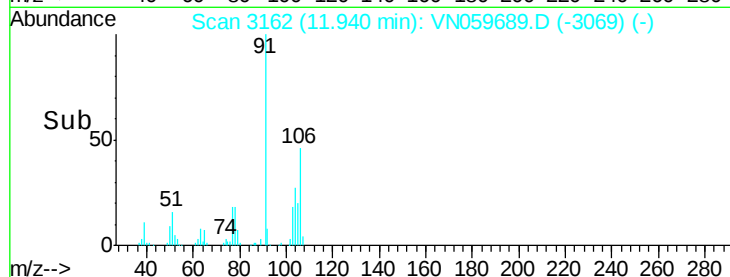
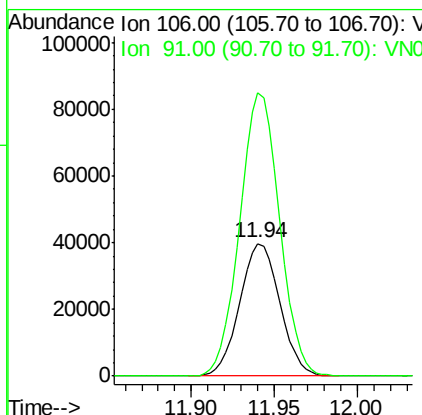
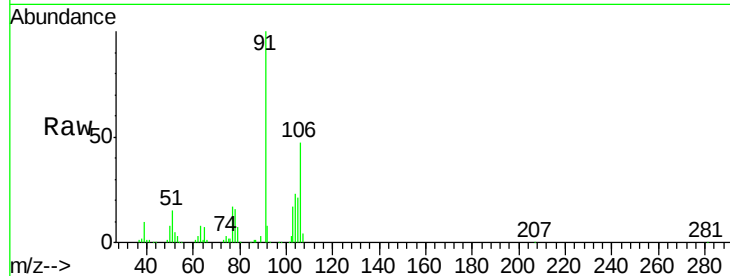
#69
o-Xylene
Concen: 18.749 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 67029
Ion Ratio Lower Upper
106 100
91 211.5 110.3 330.9

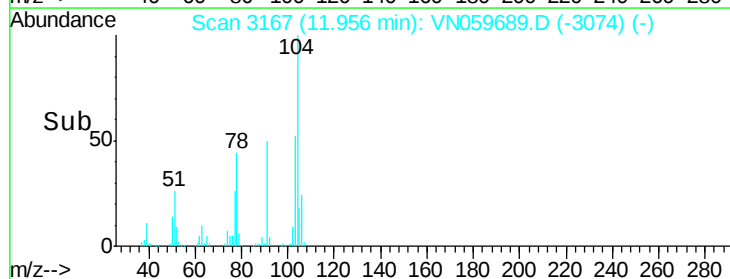
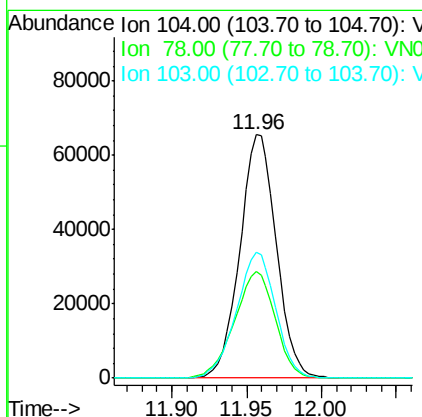
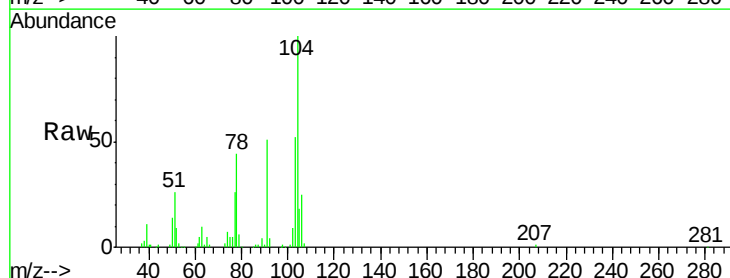
Manual Integrations
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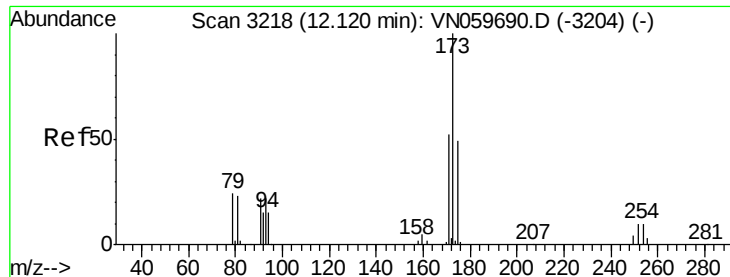
MMDadoda
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#70
Styrene
Concen: 19.367 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:104 Resp: 111243
Ion Ratio Lower Upper
104 100
78 48.9 42.4 63.6
103 55.8 43.9 65.9





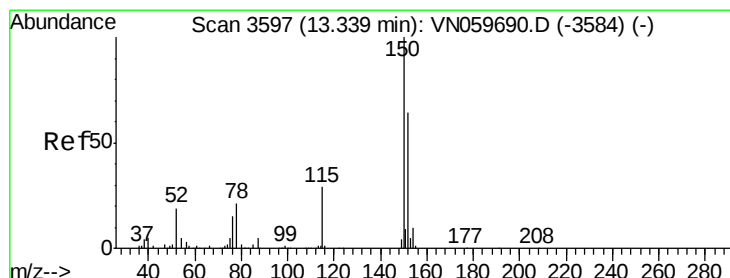
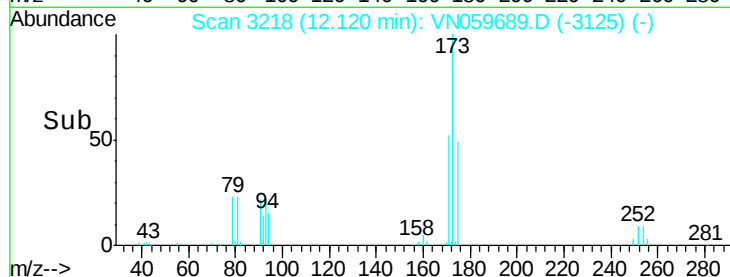
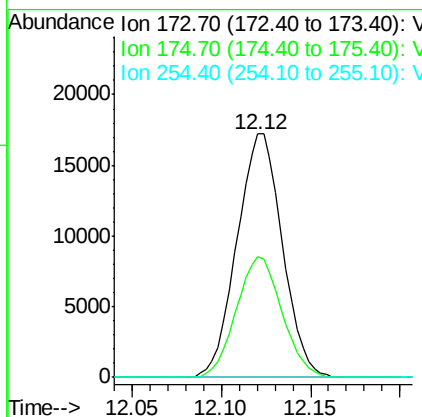
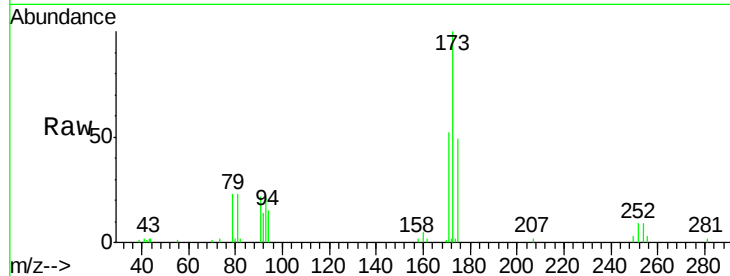
#71
Bromoform
Concen: 18.941 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.8	71.4
254	0.0	0.0	0.0

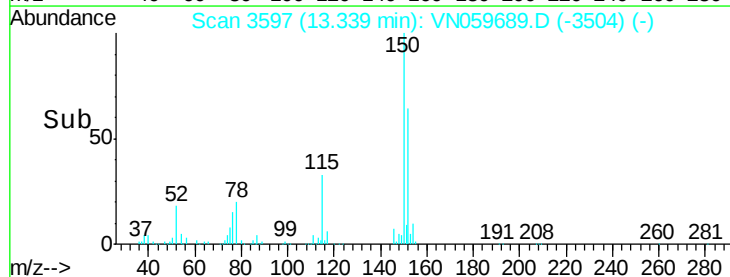
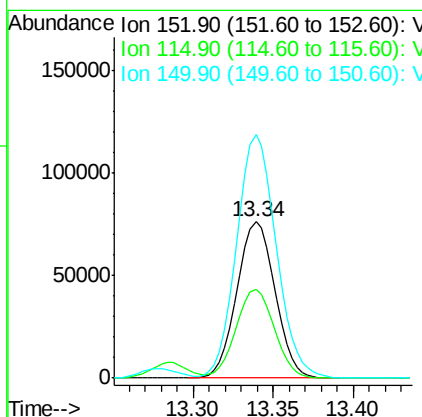
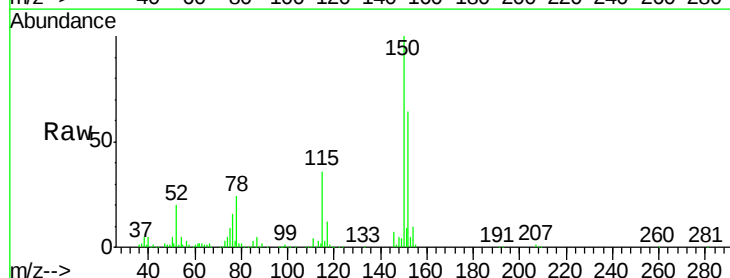
Manual Integrations
APPROVED

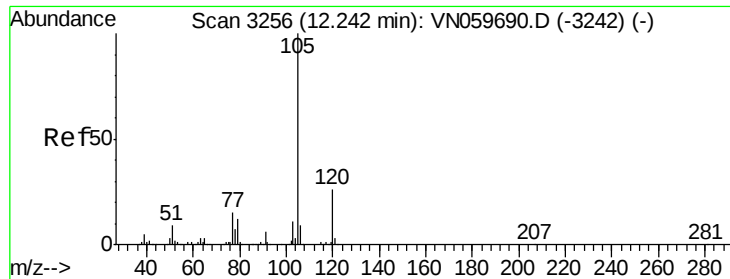
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	30.3	90.9
150	160.8	0.0	345.2





#73

Isopropylbenzene

Concen: 18.488 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 179532

Ion Ratio Lower Upper

105 100

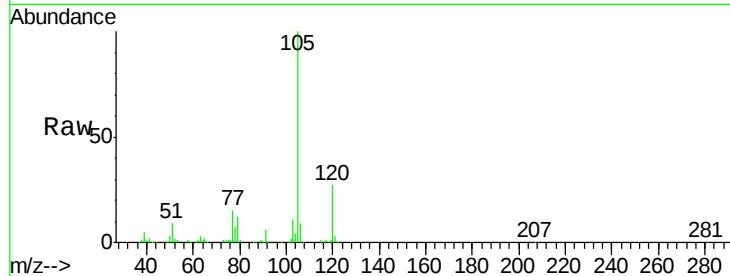
120 27.2 13.2 39.5

Manual Integrations

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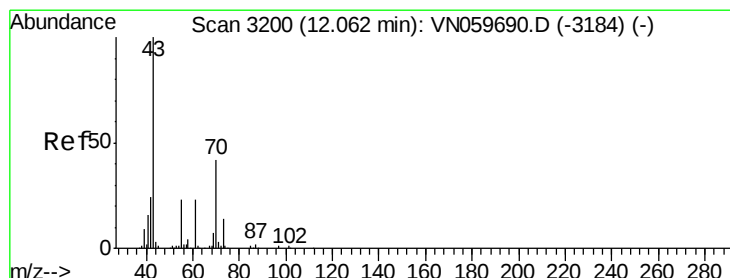
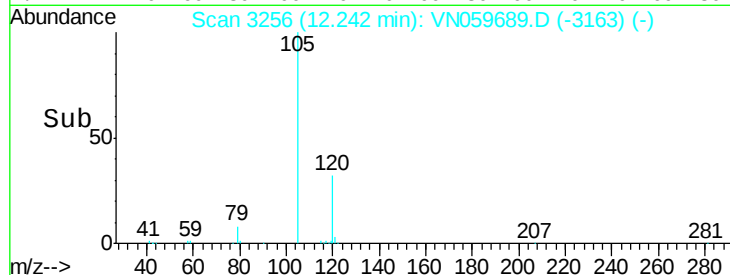
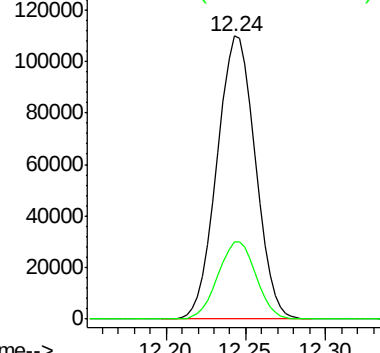
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.370 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion: 43 Resp: 68463

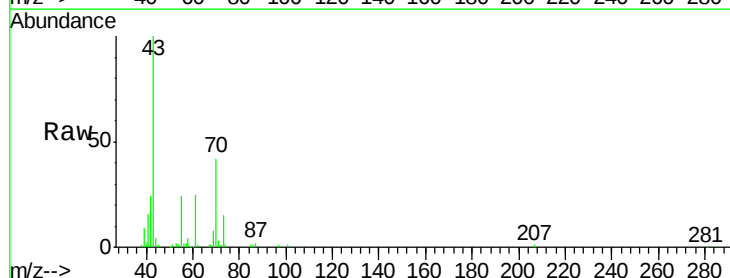
Ion Ratio Lower Upper

43 100

70 41.4 31.3 46.9

55 23.8 19.8 29.6

61 23.6 18.3 27.5

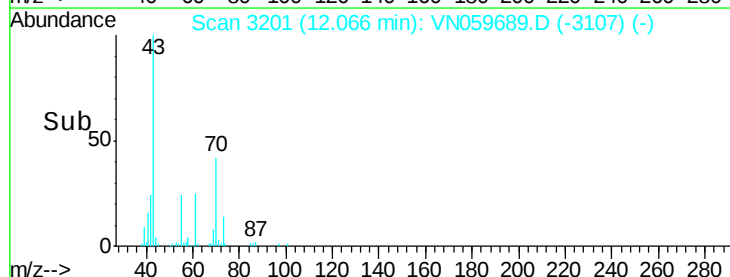
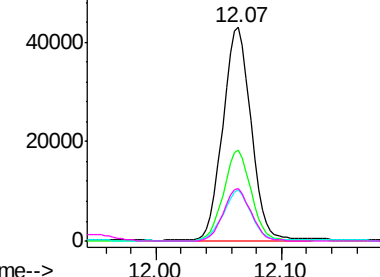


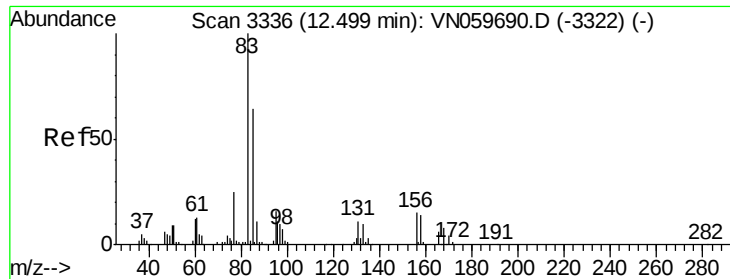
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 16.881 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

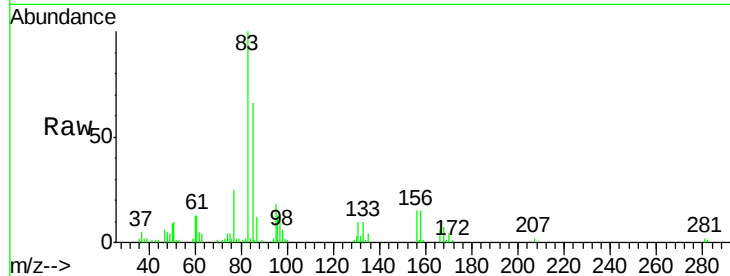
ClientSampled :

VSTDIC020

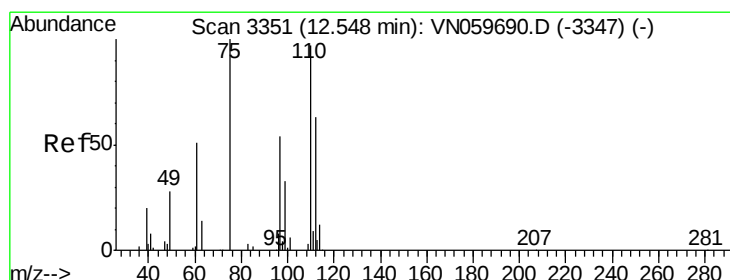
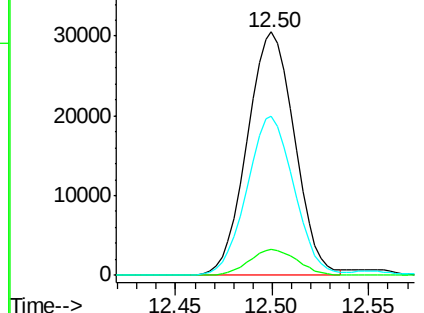
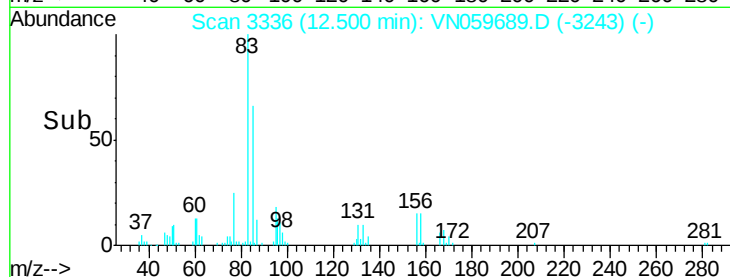
Tot Ion:	83	Resp:	51999
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	14.9
85	65.0	31.9	95.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059689.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 13.897 ug/l m

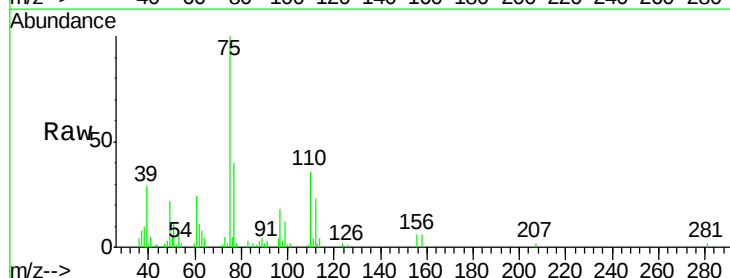
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

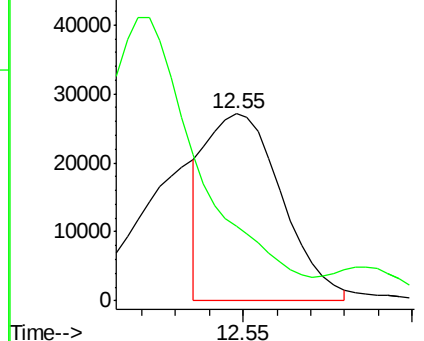
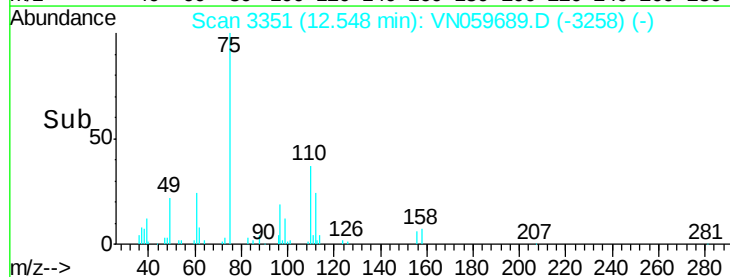
Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion:	75	Resp:	42558
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059689.D (-3258) (-)





#77

Bromobenzene

Concen: 18.918 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

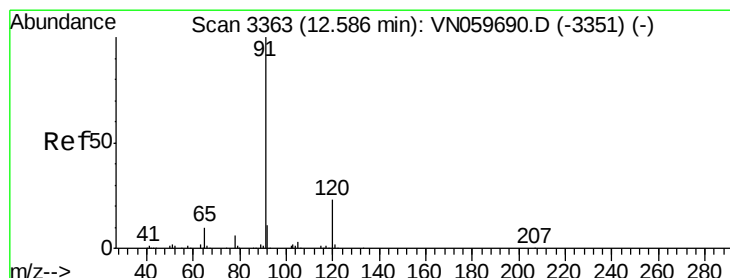
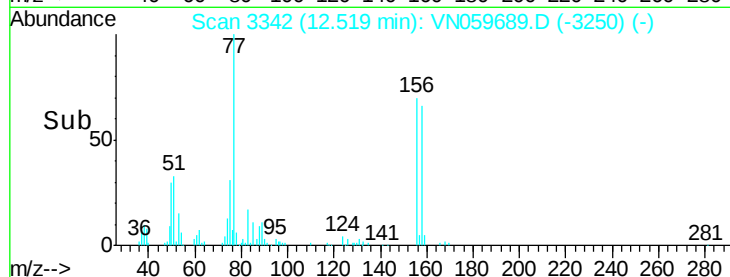
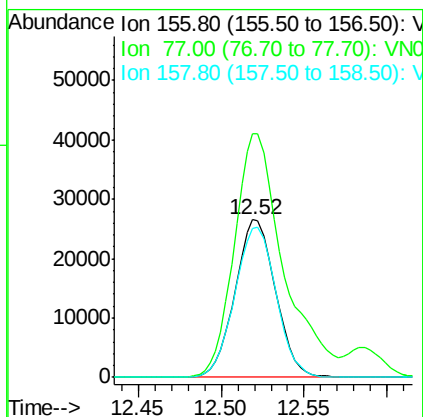
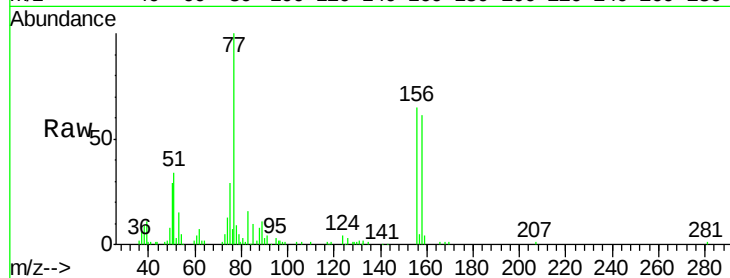
ClientSampleId :

VSTDIC020

Tot Ion:	156	Resp:	45179
Ion	Ratio	Lower	Upper
156	100		
77	188.2	115.8	347.4
158	97.2	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 17.552 ug/l

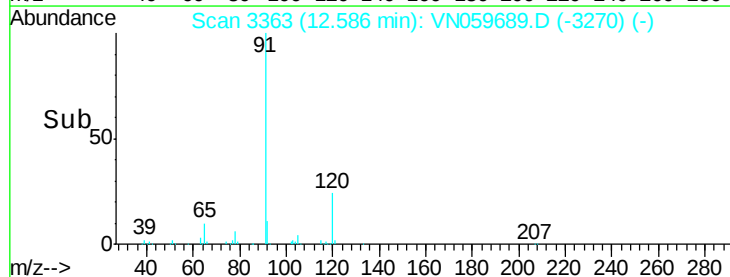
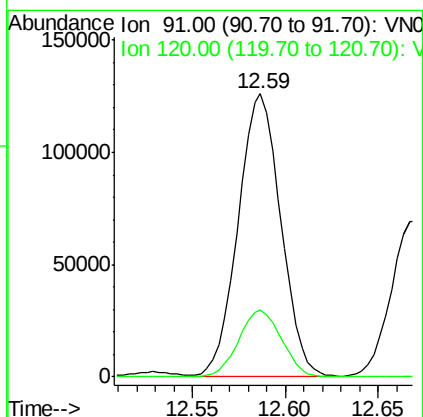
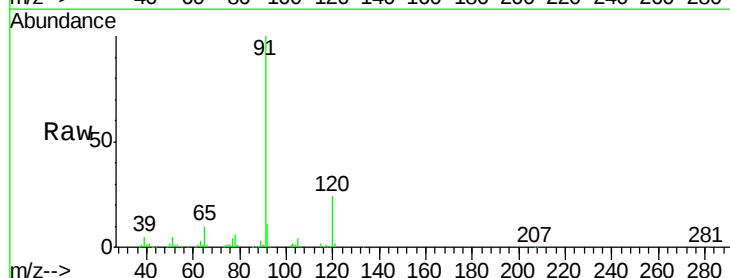
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion:	91	Resp:	201475
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.1	33.3





#79

2-Chlorotoluene

Concen: 16.902 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 117318

Ion Ratio Lower Upper

91 100

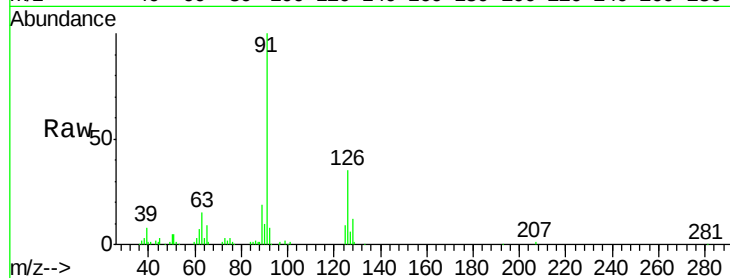
126 35.5 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059690.D (-3376) (-)

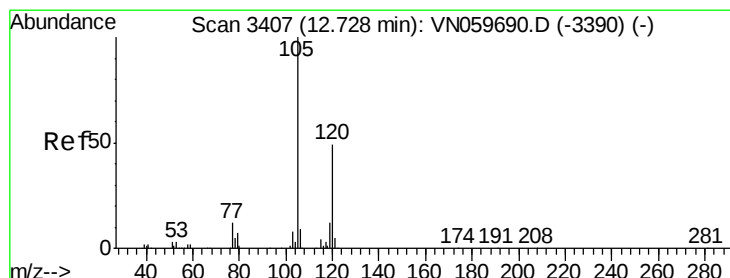
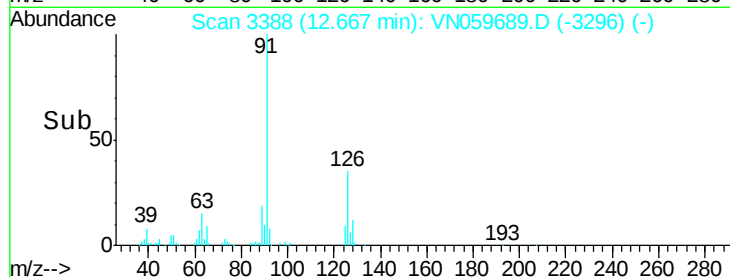
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.104 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059689.D

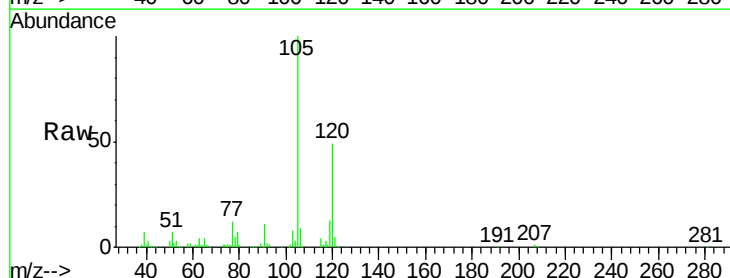
Acq: 13 Jan 2020 14:30

Tgt Ion: 105 Resp: 148773

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059690.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059690.D (-3390) (-)

100000

80000

60000

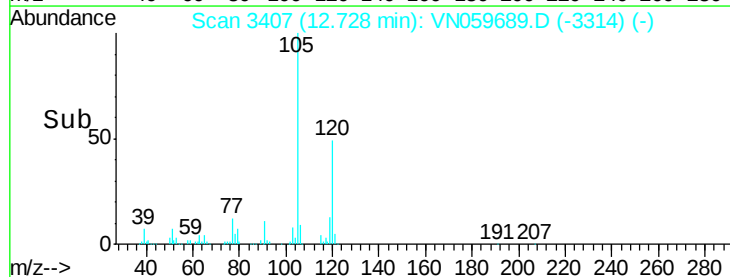
40000

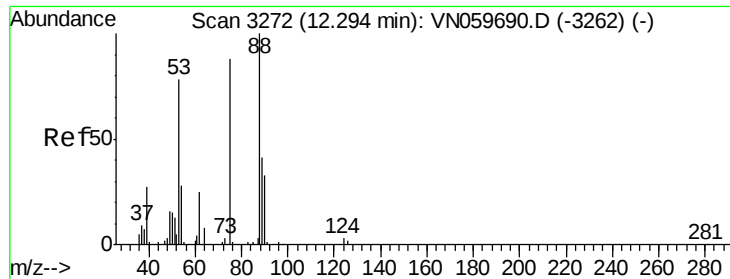
20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.125 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

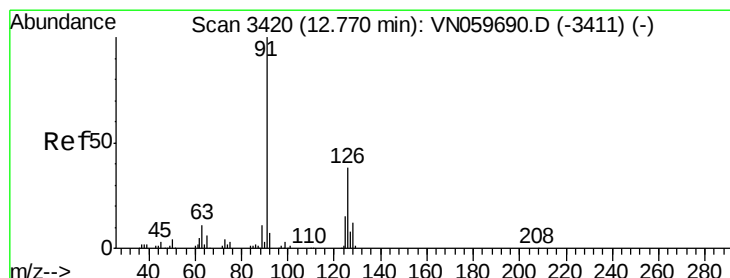
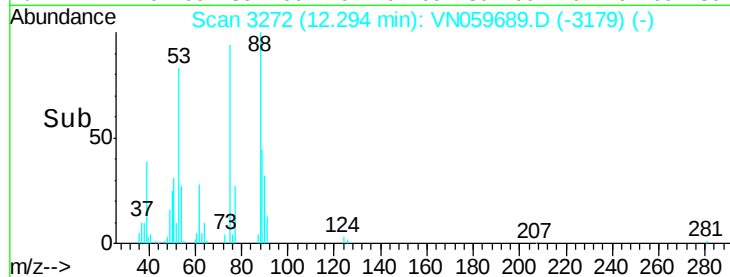
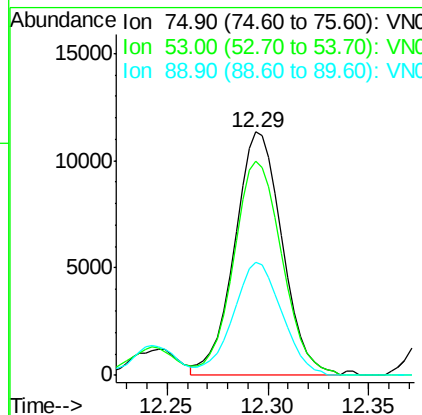
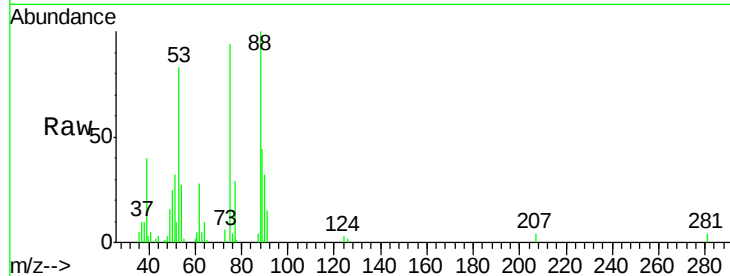
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	18753
Ion	Ratio	Lower	Upper
75	100		
53	89.8	78.1	117.1
89	47.4	35.4	53.2

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#82

4-Chlorotoluene

Concen: 16.733 ug/l

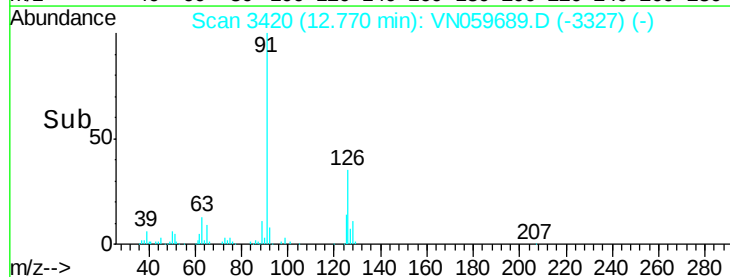
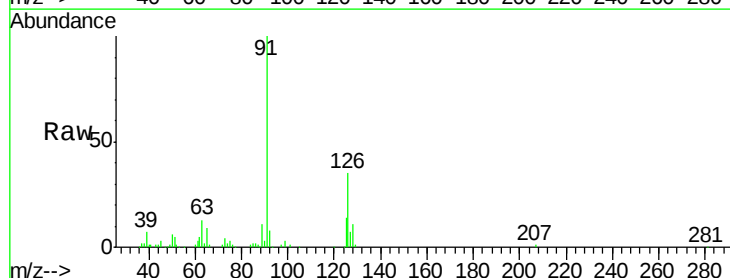
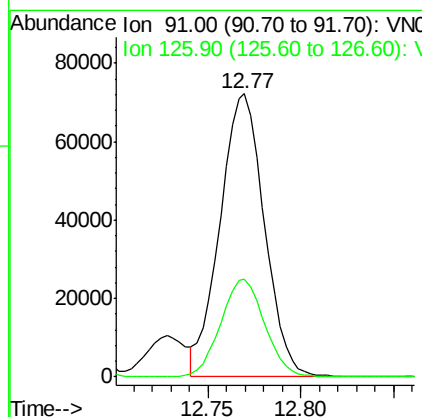
RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion:	91	Resp:	118920
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.3	48.8





#83

tert-Butylbenzene

Concen: 18.524 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Instrument :

MSVOA_N

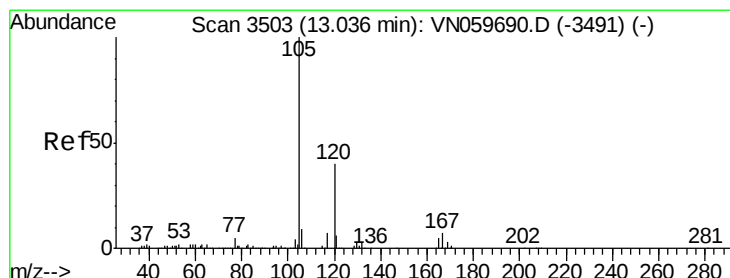
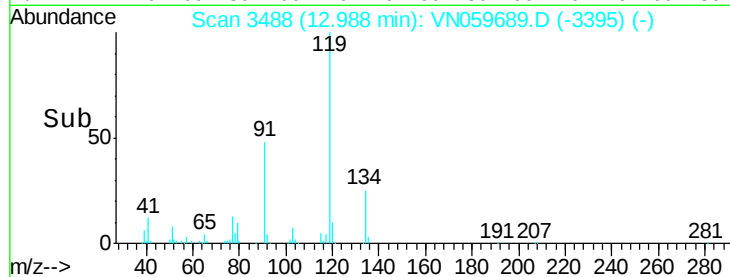
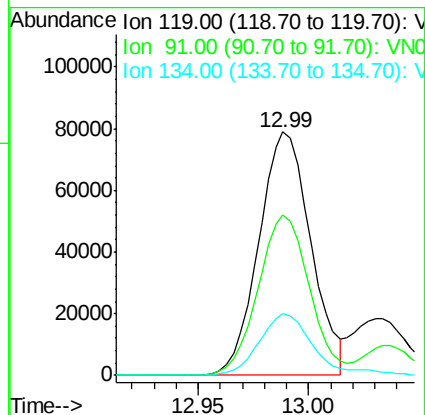
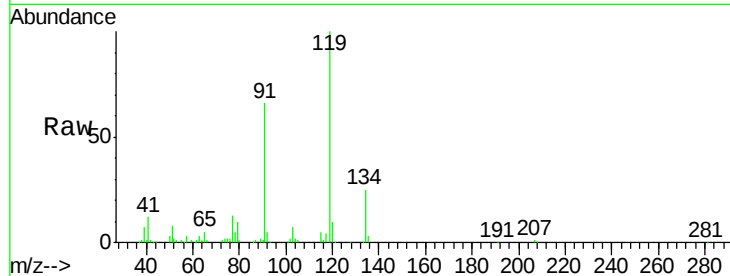
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	128915
Ion Ratio	Lower	Upper	
119	100		
91	65.1	34.8	104.4
134	26.3	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 18.277 ug/l

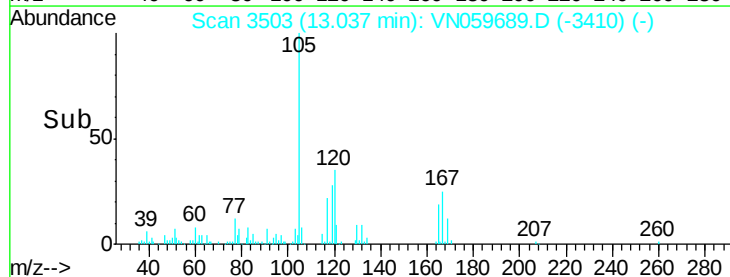
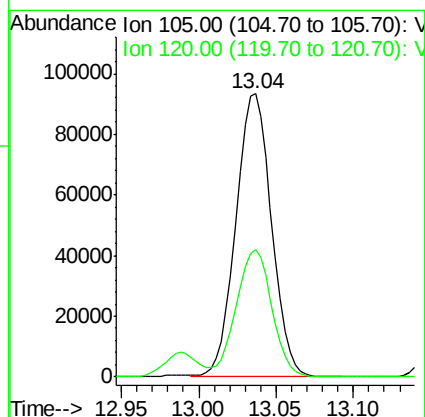
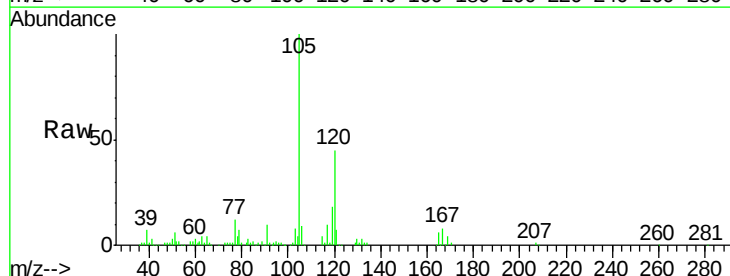
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion:	105	Resp:	149345
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.3	66.9





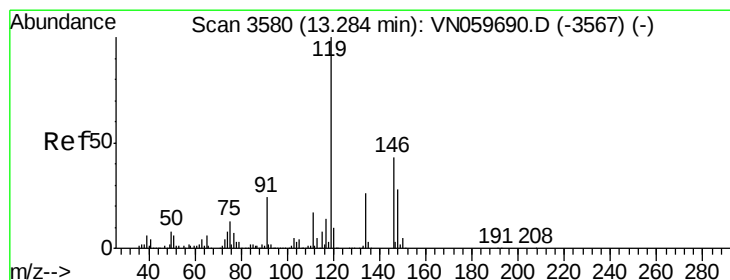
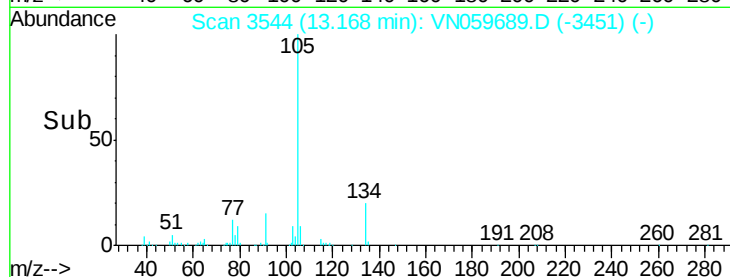
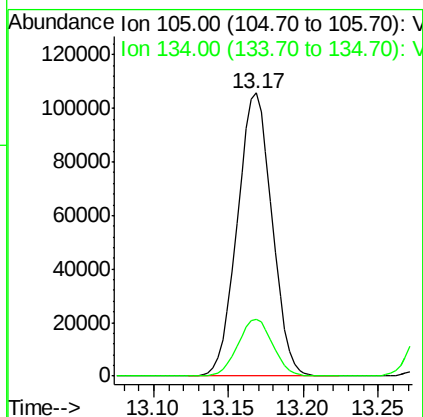
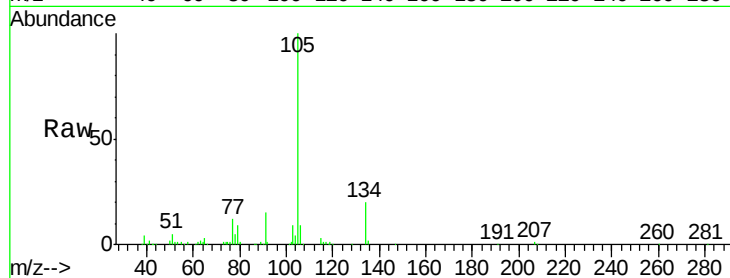
#85
 sec-Butylbenzene
 Concen: 18.385 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

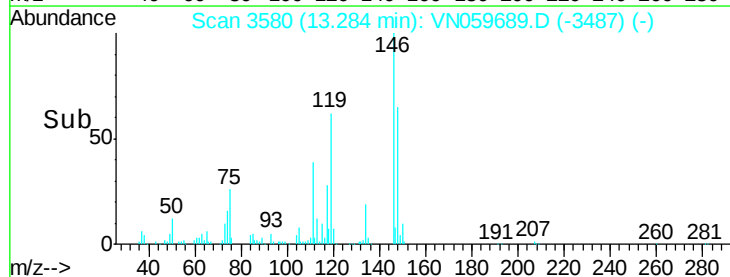
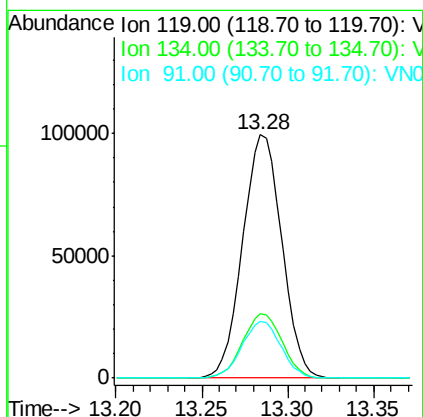
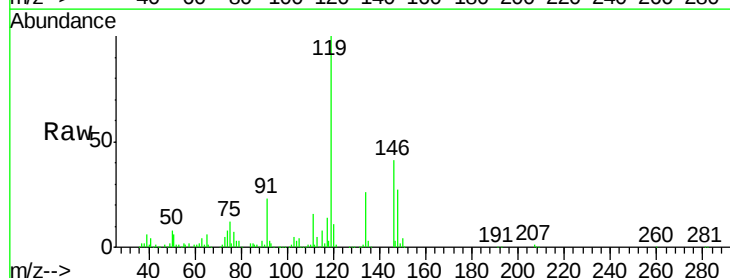
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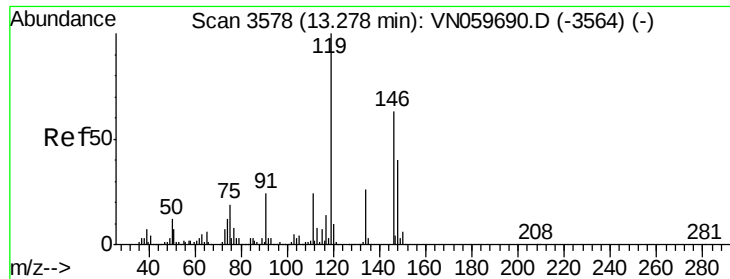
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#86
 p-Isopropyltoluene
 Concen: 18.822 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.7
91	23.4	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 17.839 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059689.D

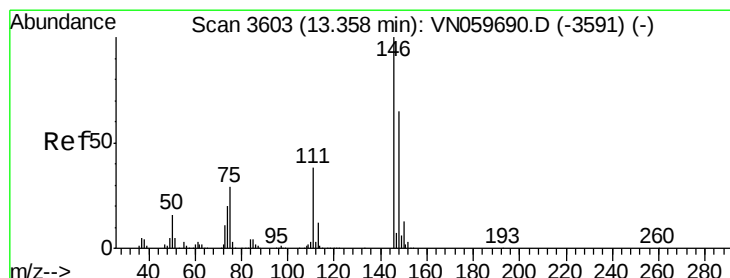
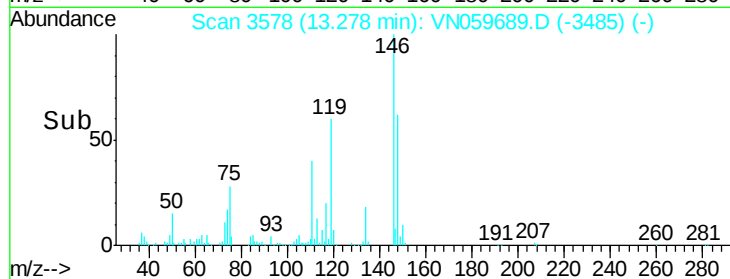
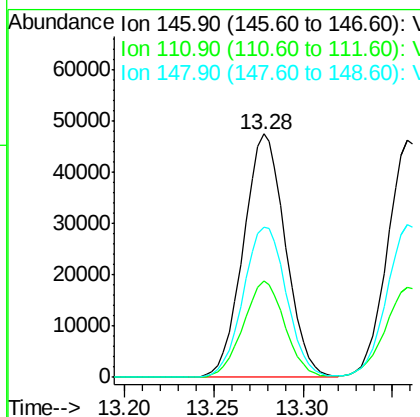
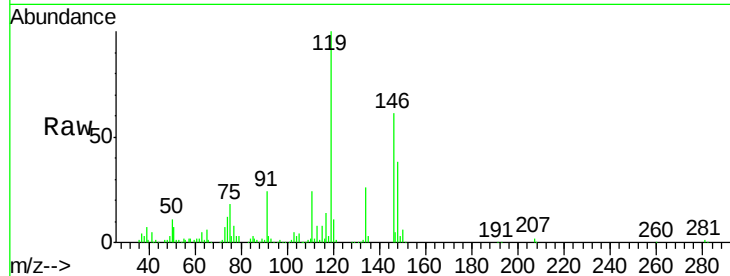
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.8	62.2
148	63.6	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 17.299 ug/l

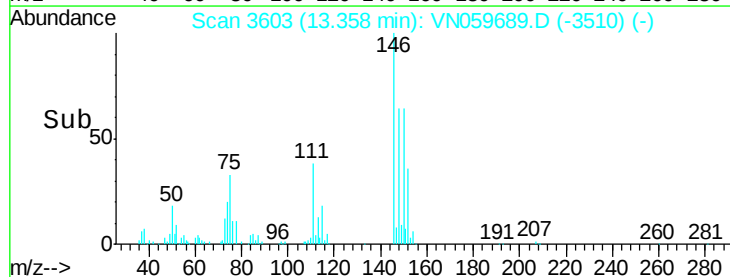
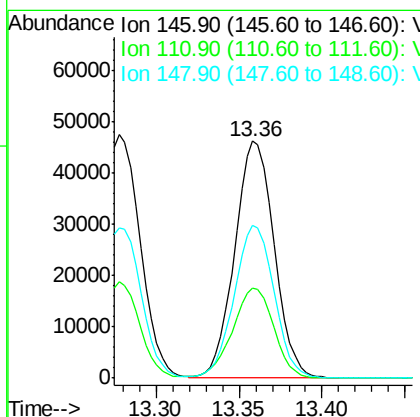
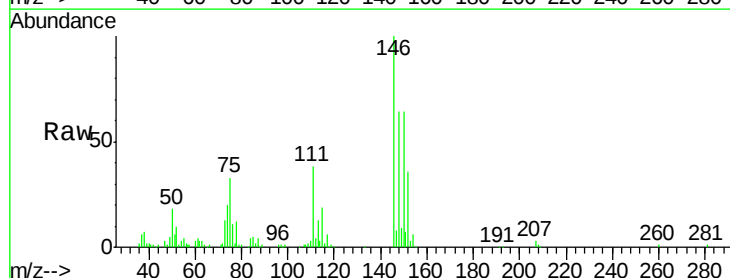
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059689.D

Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	65.1	31.8	95.4





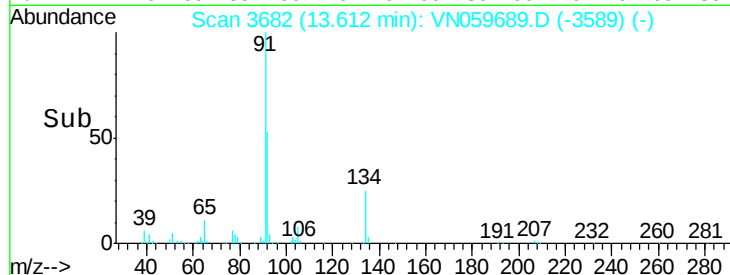
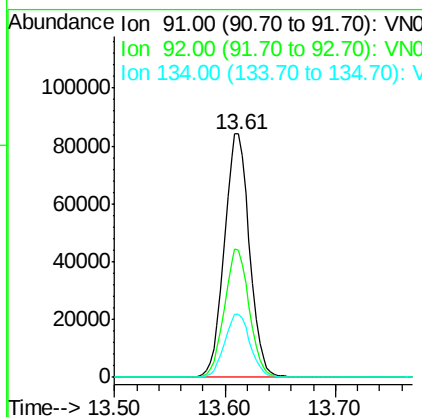
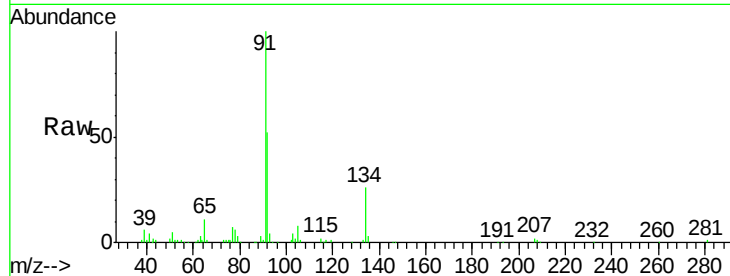
#89
n-Butylbenzene
Concen: 16.917 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	26.4	12.3	36.8

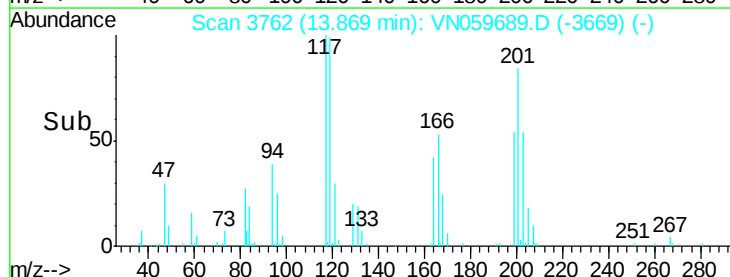
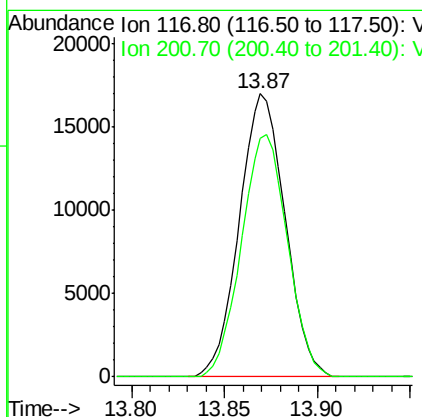
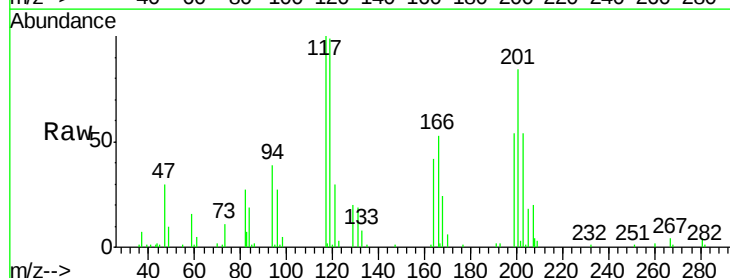
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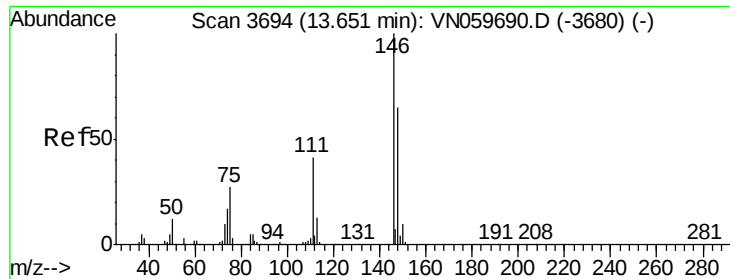
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#90
Hexachloroethane
Concen: 18.389 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	37.8	113.4





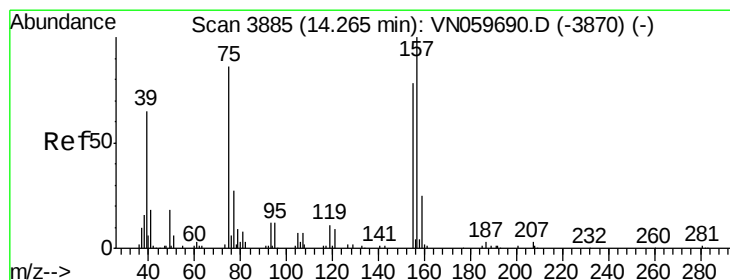
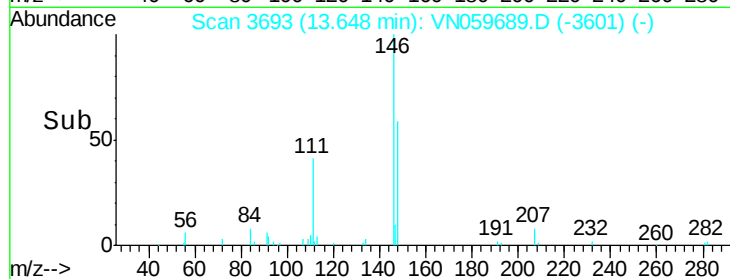
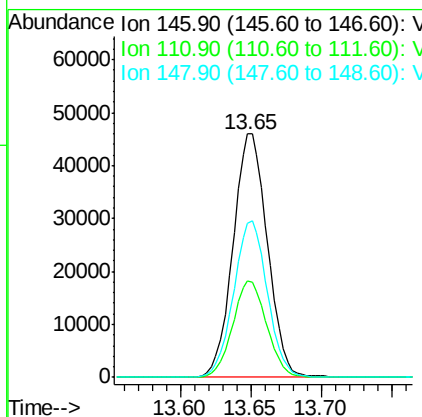
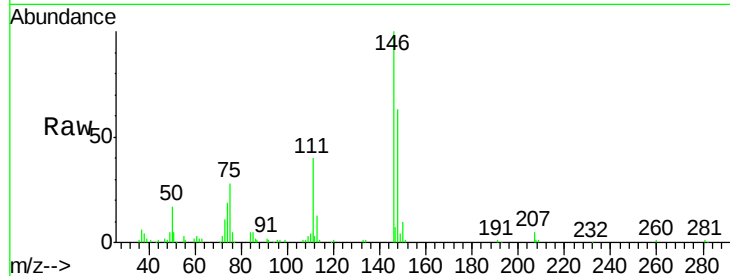
#91
 1,2-Dichlorobenzene
 Concen: 18.119 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.6	64.8
148	63.2	31.6	95.0

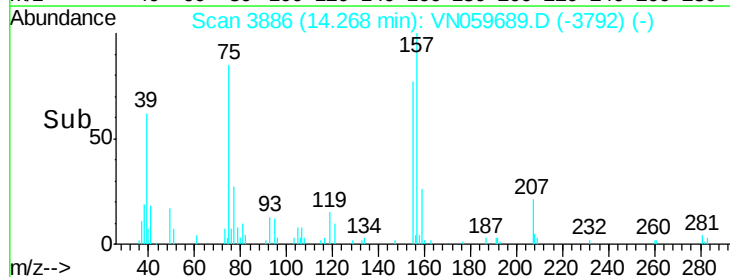
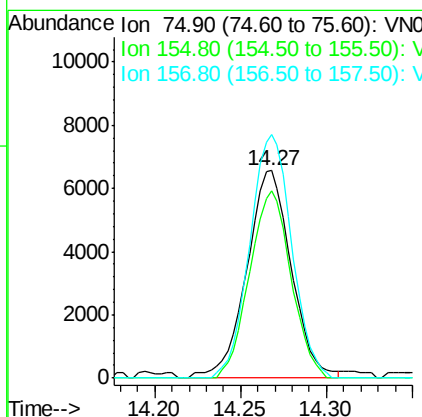
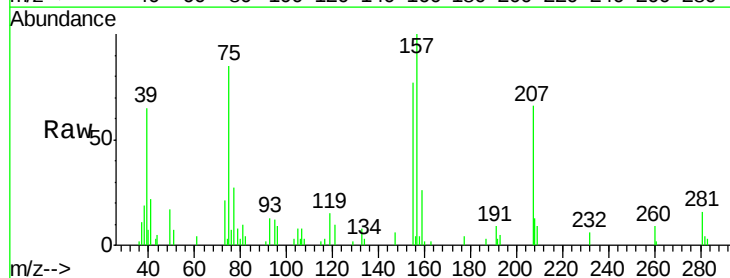
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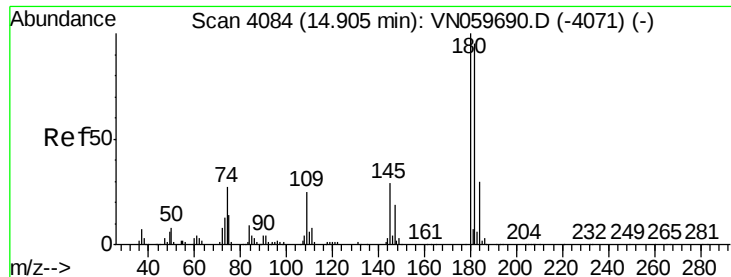
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.044 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	37.0	110.9
157	110.2	48.4	145.2





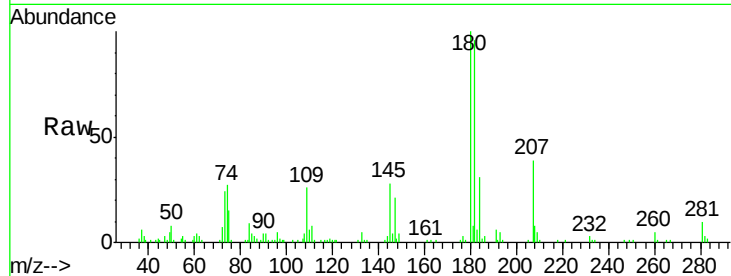
#93
 1,2,4-Trichlorobenzene
 Concen: 17.058 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

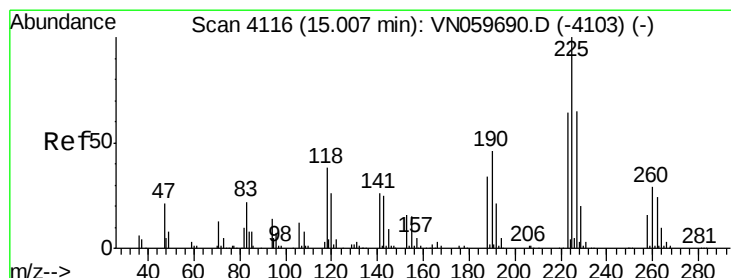
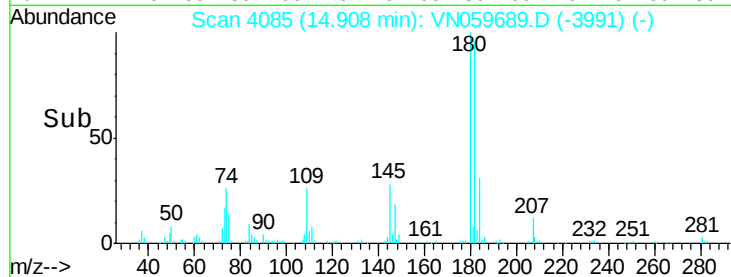
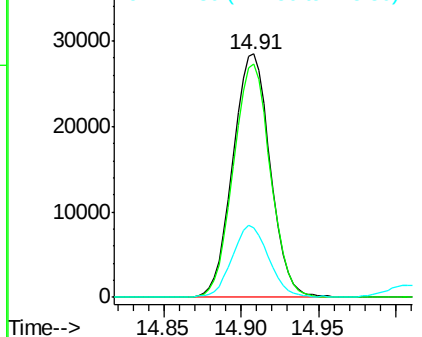
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.9	140.7
145	29.1	15.0	45.1

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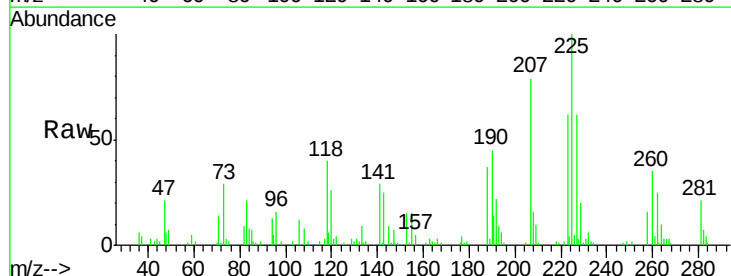


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

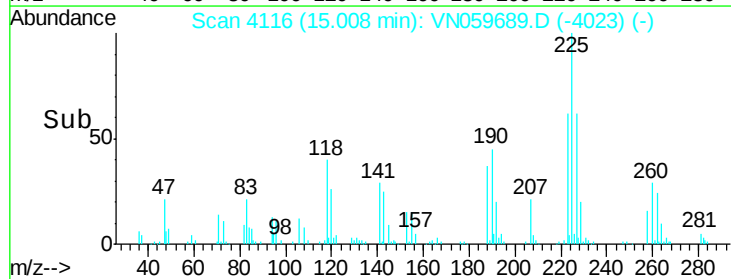
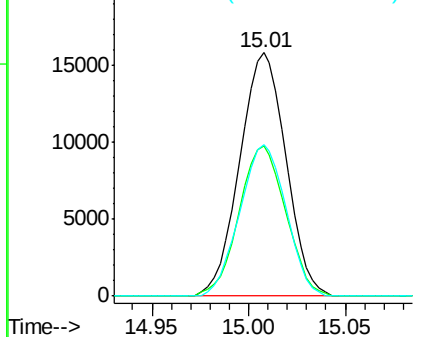


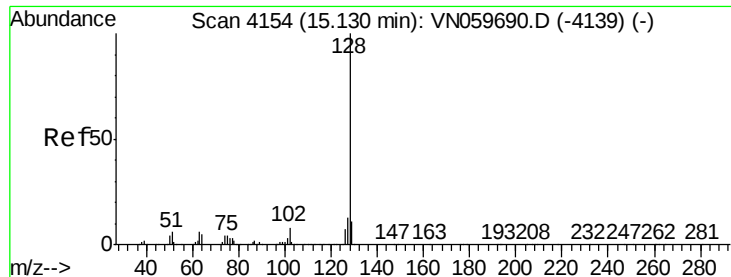
#94
 Hexachlorobutadiene
 Concen: 17.582 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059689.D
 Acq: 13 Jan 2020 14:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	31.8	95.3
227	62.2	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





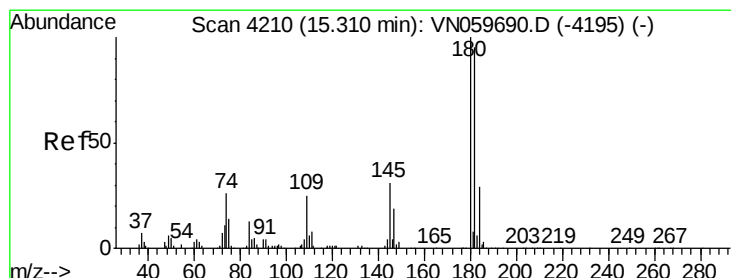
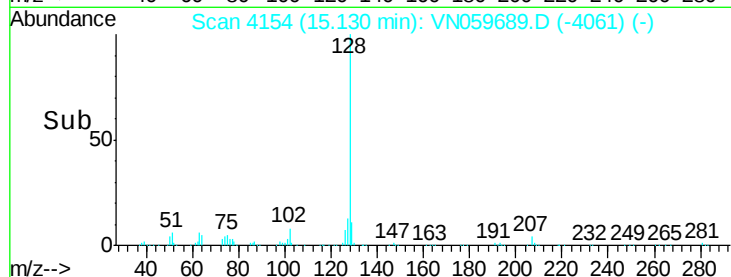
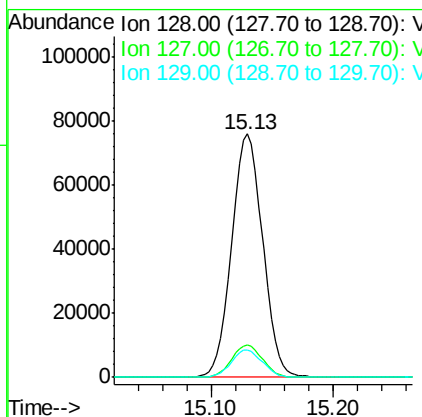
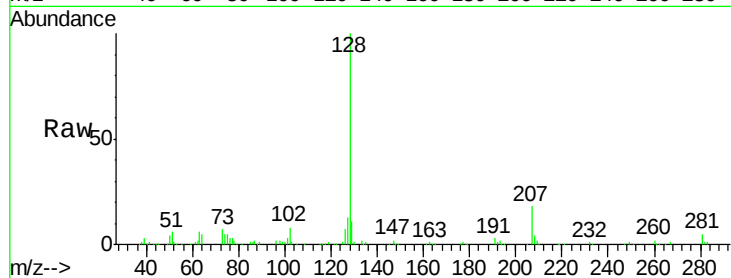
#95
Naphthalene
Concen: 16.053 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	134020
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.2	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 16.384 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059689.D
Acq: 13 Jan 2020 14:30

Tgt Ion:	180	Resp:	46342
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.4	142.3
145	31.8	16.3	48.9

