

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059825.D
 Acq On : 22 Jan 2020 12:26
 Operator : JC/MD
 Sample : VN0122MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 10:14:37 AM

Quant Time: Jan 22 18:21:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	285228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	118945	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.56	113	99782	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	
50) Toluene-d8	10.08	98	379526	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
62) 4-Bromofluorobenzene	12.40	95	132075	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	45023	18.076	ug/l	97
3) Chloromethane	2.04	50	42095	17.726	ug/l	100
4) Vinyl Chloride	2.17	62	52969	19.494	ug/l	95
5) Bromomethane	2.54	94	33418	20.153	ug/l	98
6) Chloroethane	2.68	64	24849	19.330	ug/l	96
7) Trichlorofluoromethane	3.00	101	64144	19.657	ug/l	99
8) Diethyl Ether	3.38	74	24054	21.004	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37433	20.611	ug/l	91
10) Methyl Iodide	3.93	142	55765	18.996	ug/l	95
11) Tert butyl alcohol	4.73	59	38613	99.571	ug/l	98
12) 1,1-Dichloroethene	3.72	96	35187	18.541	ug/l	88
13) Acrolein	3.58	56	24142	87.946	ug/l	95
14) Allyl chloride	4.29	41	49160	19.218	ug/l #	86
15) Acrylonitrile	4.95	53	89558	101.243	ug/l	100
16) Acetone	3.78	43	94380	114.708	ug/l	96
17) Carbon Disulfide	4.03	76	93246	17.248	ug/l	100
18) Methyl Acetate	4.29	43	54923	20.412	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	127158	20.551	ug/l	94
20) Methylene Chloride	4.52	84	41454	19.091	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	38617	19.143	ug/l	89
22) Diisopropyl ether	5.91	45	114144	19.691	ug/l #	93
23) Vinyl Acetate	5.86	43	441677	98.410	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	69336	19.575	ug/l	96
25) 2-Butanone	6.80	43	123903	94.982	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	66255	19.457	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	45977	19.816	ug/l	88
28) Bromochloromethane	7.17	49	29590	20.902	ug/l #	72
29) Tetrahydrofuran	7.18	42	76650	94.968	ug/l #	87
30) Chloroform	7.35	83	73482	20.023	ug/l	97
31) Cyclohexane	7.63	56	61495	18.043	ug/l	86
32) 1,1,1-Trichloroethane	7.54	97	67605	19.923	ug/l	95
36) 1,1-Dichloropropene	7.77	75	52278	18.918	ug/l	95
37) Ethyl Acetate	6.90	43	50309	19.411	ug/l	97
38) Carbon Tetrachloride	7.75	117	58871	19.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	64403	18.901	ug/l	90
40) Benzene	8.02	78	160688	19.498	ug/l	100
41) Methacrylonitrile	7.15	41	22428m	17.568	ug/l	
42) 1,2-Dichloroethane	8.10	62	58087	20.788	ug/l	96
43) Isopropyl Acetate	8.14	43	85236	19.120	ug/l #	92
44) Trichloroethene	8.82	130	47203	20.981	ug/l	88
45) 1,2-Dichloropropane	9.10	63	41375	20.289	ug/l	96
46) Dibromomethane	9.19	93	29178	20.283	ug/l	89
47) Bromodichloromethane	9.39	83	59417	20.496	ug/l	99
48) Methyl methacrylate	9.18	41	37110	18.610	ug/l	86
49) 1,4-Dioxane	9.18	88	15917	436.036	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	249864	96.958	ug/l	95
52) Toluene	10.14	92	103589	19.899	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	65335	20.184	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	69823	20.501	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	41472	20.115	ug/l	98
56) Ethyl methacrylate	10.42	69	60163	19.097	ug/l	92
57) 1,3-Dichloropropane	10.70	76	69788	21.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	105985	111.694	ug/l	91
59) 2-Hexanone	10.74	43	183326	96.563	ug/l	95
60) Dibromochloromethane	10.89	129	50119	21.347	ug/l	98
61) 1,2-Dibromoethane	10.99	107	44614	20.646	ug/l	98
64) Tetrachloroethene	10.62	164	47485	20.427	ug/l	96
65) Chlorobenzene	11.43	112	113077	20.170	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	45320	20.921	ug/l	98
67) Ethyl Benzene	11.50	91	201150	19.765	ug/l	96
68) m/p-Xylenes	11.62	106	153887	40.030	ug/l	92
69) o-Xylene	11.94	106	74605	19.823	ug/l	94
70) Styrene	11.96	104	120360	19.111	ug/l	97
71) Bromoform	12.12	173	35593	20.512	ug/l #	96
73) Isopropylbenzene	12.24	105	201513	20.557	ug/l	100
74) N-amyl acetate	12.07	43	70284	18.477	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	57582	20.262	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	52534m	23.355	ug/l	
77) Bromobenzene	12.52	156	50847	20.483	ug/l	81
78) n-propylbenzene	12.59	91	222988	20.267	ug/l	97
79) 2-Chlorotoluene	12.67	91	130928	20.003	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	166912	20.246	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	20351	19.429	ug/l	94
82) 4-Chlorotoluene	12.77	91	132297	20.151	ug/l	94
83) tert-Butylbenzene	12.99	119	143729	20.158	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	166916	20.465	ug/l	98
85) sec-Butylbenzene	13.17	105	188034	20.072	ug/l	98
86) p-Isopropyltoluene	13.28	119	173365	20.000	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	89926	20.854	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	88066	20.472	ug/l	97
89) n-Butylbenzene	13.61	91	145438	19.678	ug/l	98
90) Hexachloroethane	13.87	117	32385	19.969	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	87355	20.491	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12150	18.608	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51238	20.003	ug/l	98
94) Hexachlorobutadiene	15.01	225	28579	20.246	ug/l	99
95) Naphthalene	15.13	128	137939	18.932	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	49644	19.911	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion:168 Resp: 207430

Ion Ratio Lower Upper

168 100

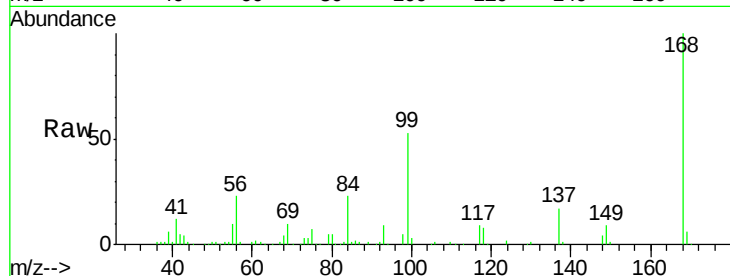
99 52.9 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

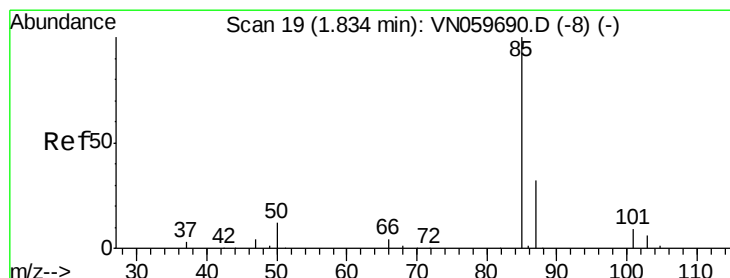
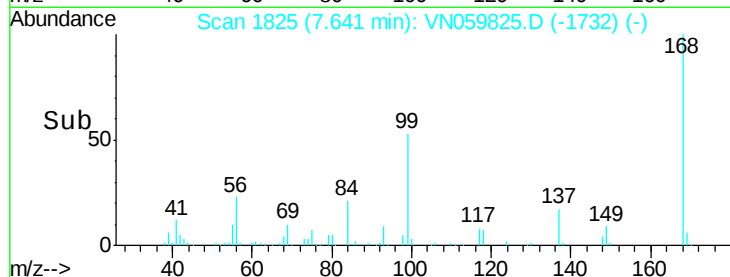
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 18.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059825.D

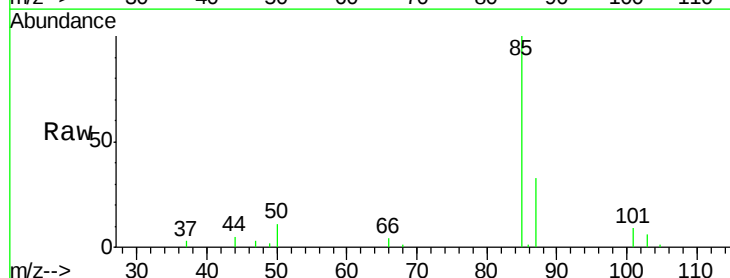
Acq: 22 Jan 2020 12:26

Tgt Ion: 85 Resp: 45023

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

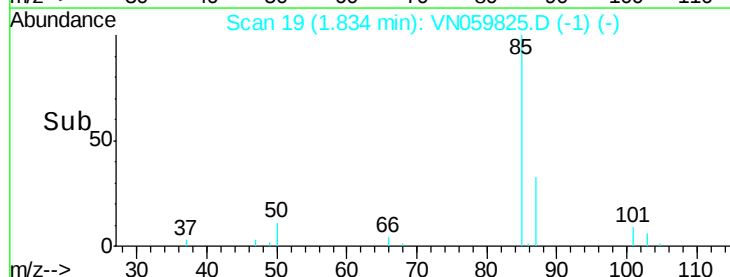
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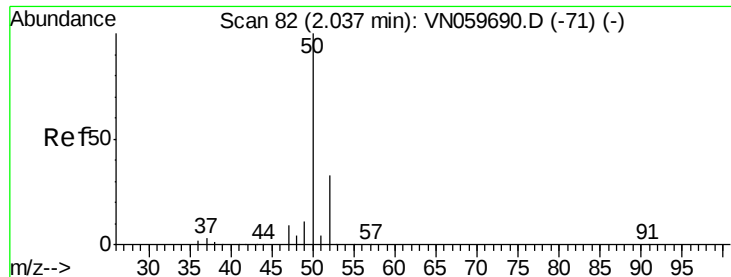
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.726 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 50 Resp: 42095

Ion Ratio Lower Upper

50 100

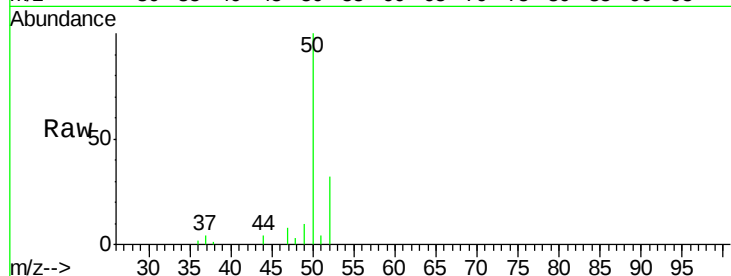
52 32.1 25.9 38.9

Manual Integrations

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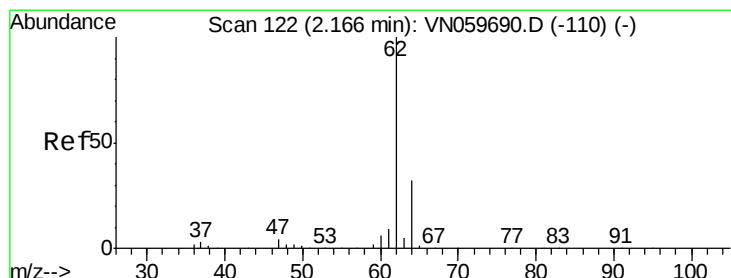
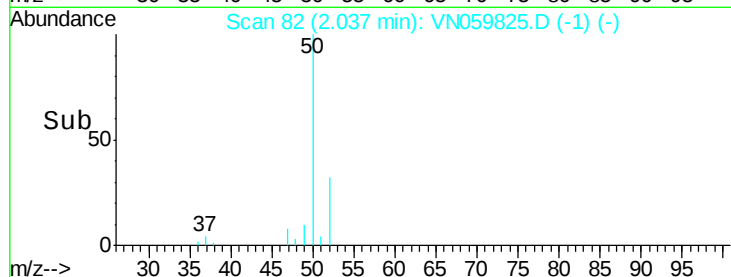
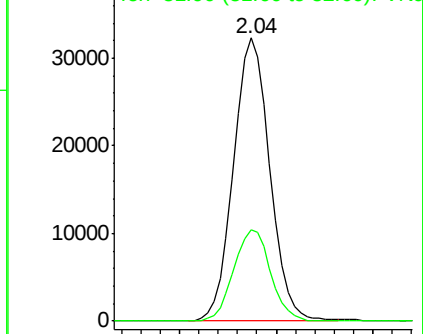
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.494 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059825.D

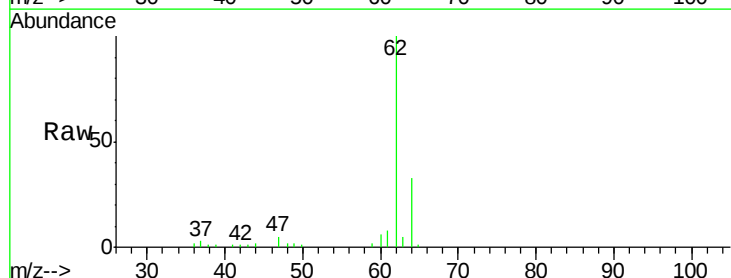
Acq: 22 Jan 2020 12:26

Tgt Ion: 62 Resp: 52969

Ion Ratio Lower Upper

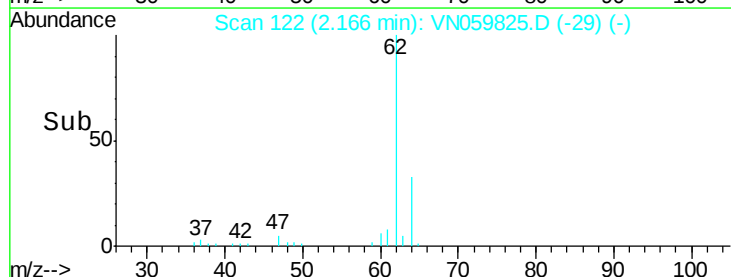
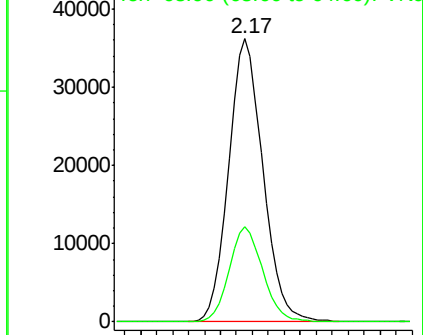
62 100

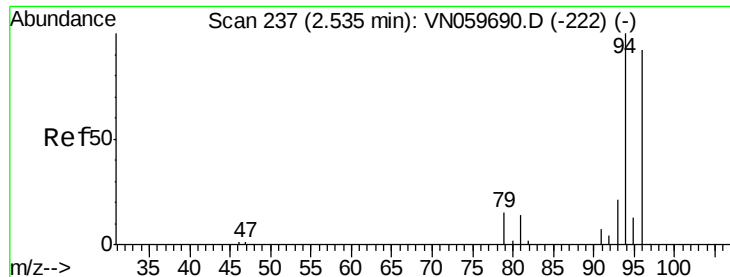
64 33.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.153 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 94 Resp: 33418

Ion Ratio Lower Upper

94 100

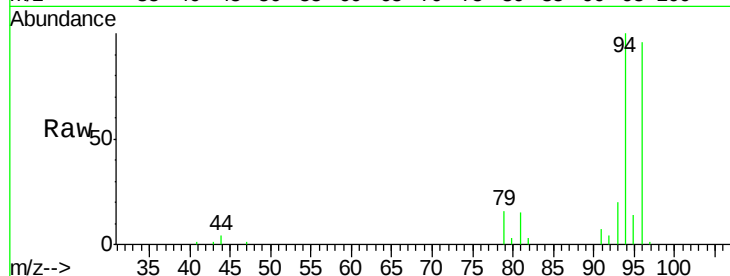
96 95.8 74.7 112.1

Manual Integrations

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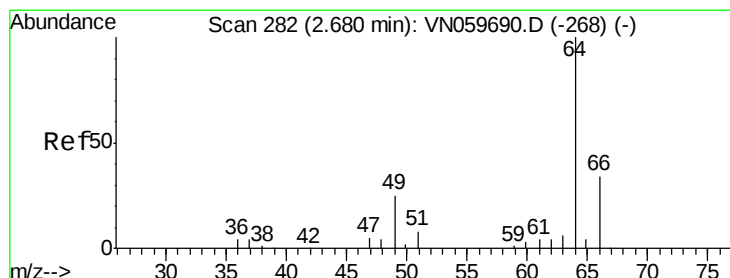
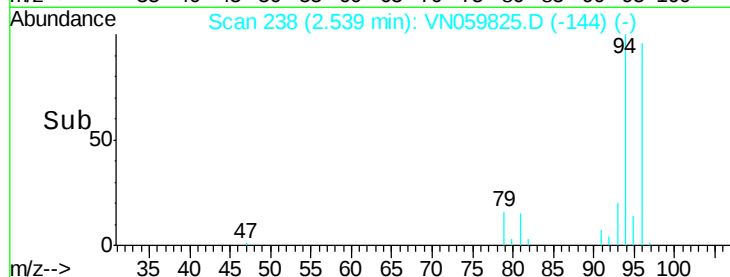
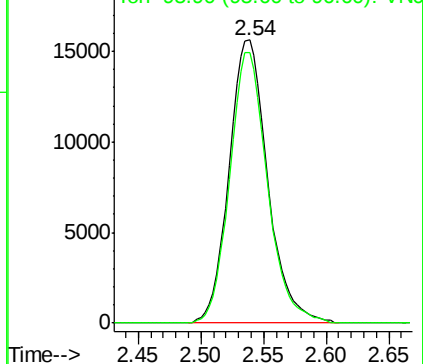
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.330 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059825.D

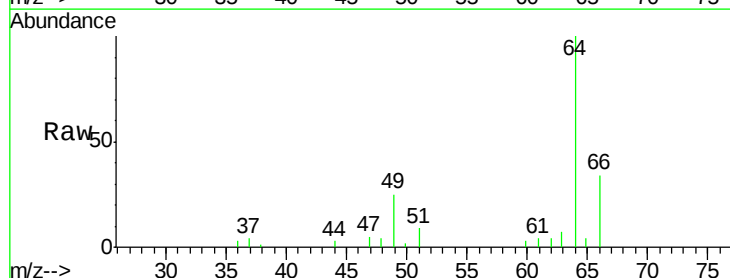
Acq: 22 Jan 2020 12:26

Tgt Ion: 64 Resp: 24849

Ion Ratio Lower Upper

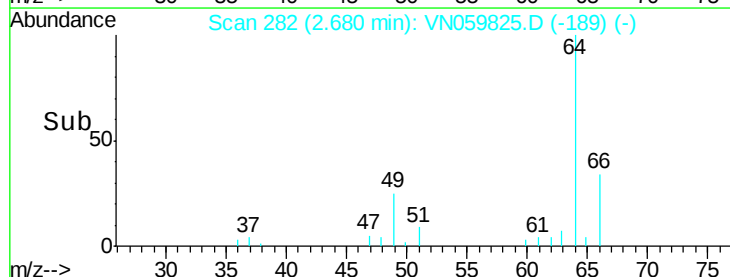
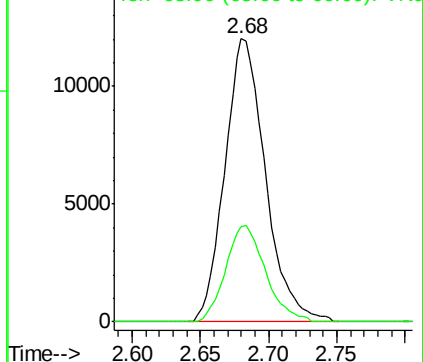
64 100

66 33.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

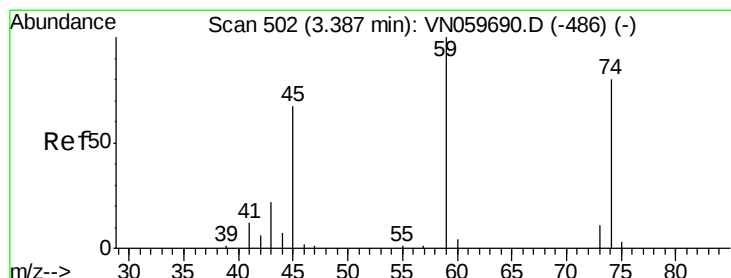
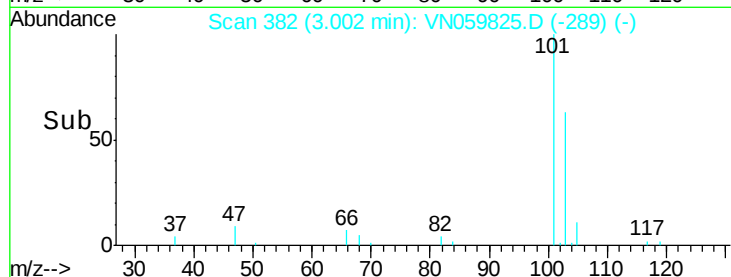
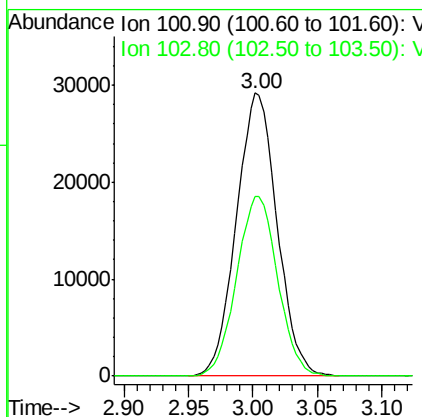
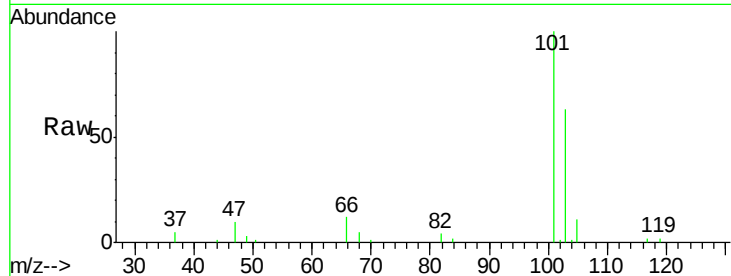
Trichlorofluoromethane
 Concen: 19.657 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion:101 Resp: 64144
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.0 76.6

Manual Integrations
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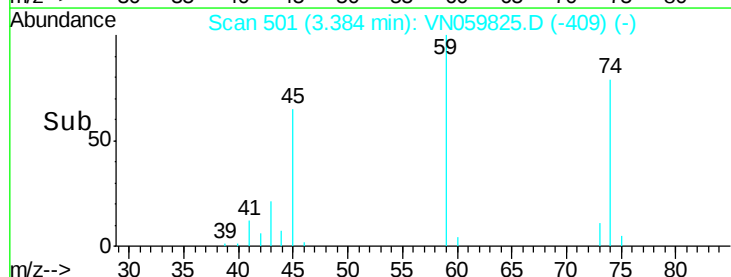
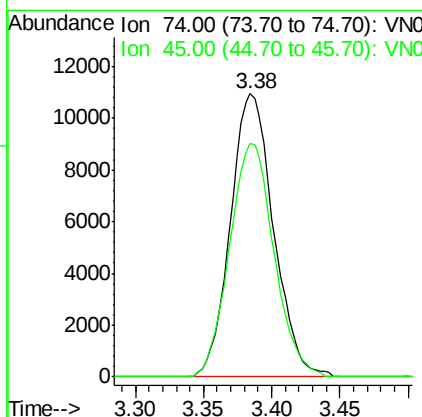
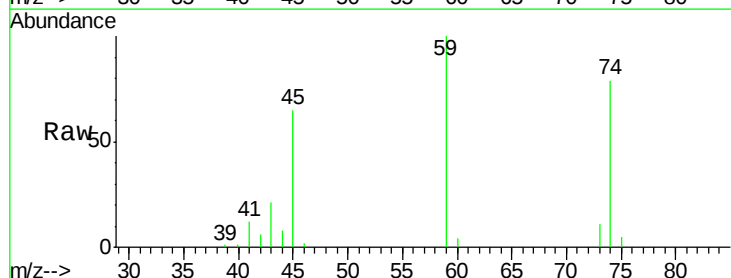
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#8

Diethyl Ether
 Concen: 21.004 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion: 74 Resp: 24054
 Ion Ratio Lower Upper
 74 100
 45 84.9 51.9 155.8





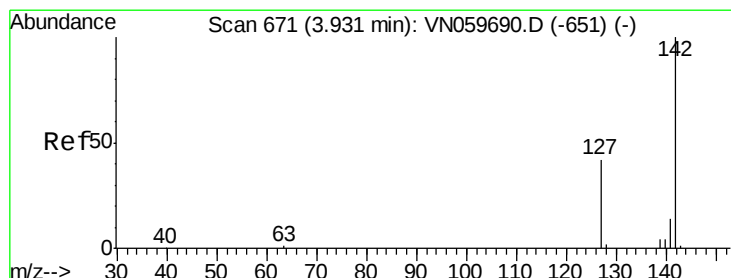
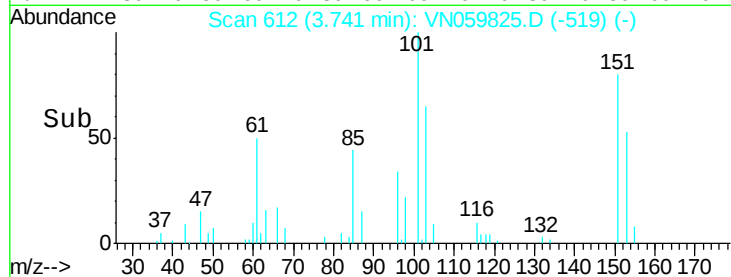
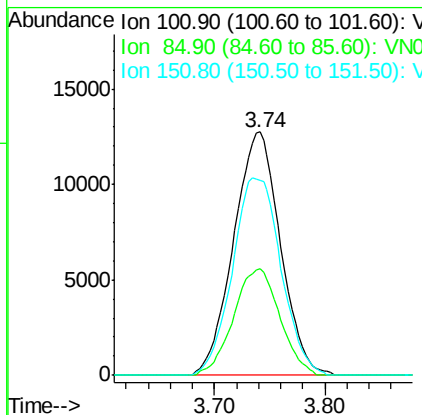
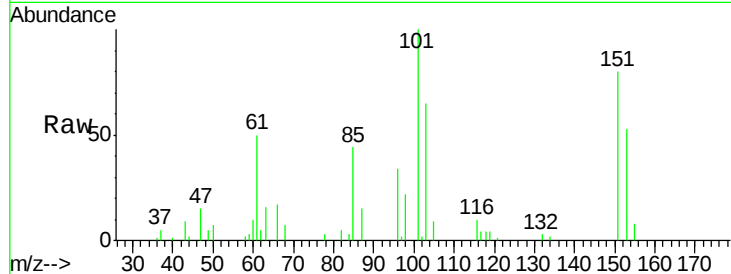
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.611 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN059825.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.2	36.6	54.8
151	84.4	59.7	89.5

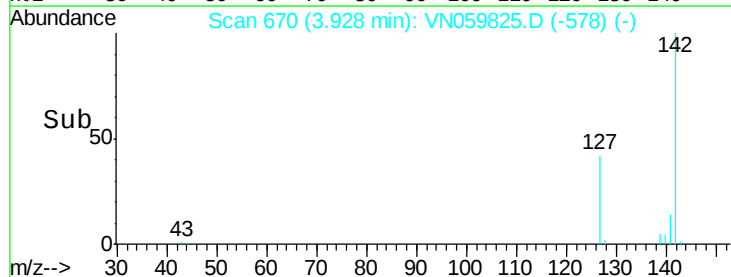
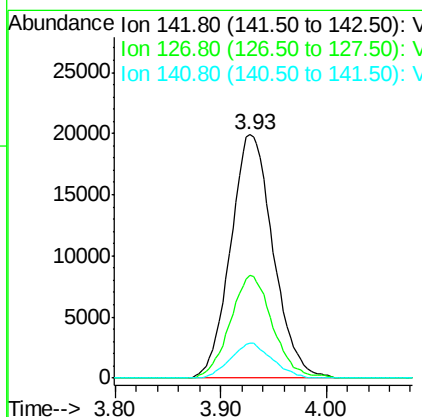
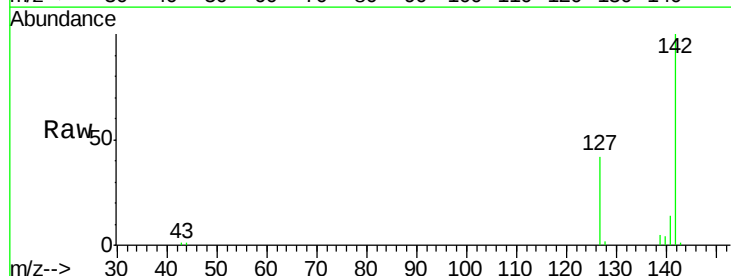
Manual Integrations
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#10
Methyl Iodide
Concen: 18.996 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.9	36.7	55.1
141	14.0	11.7	17.5





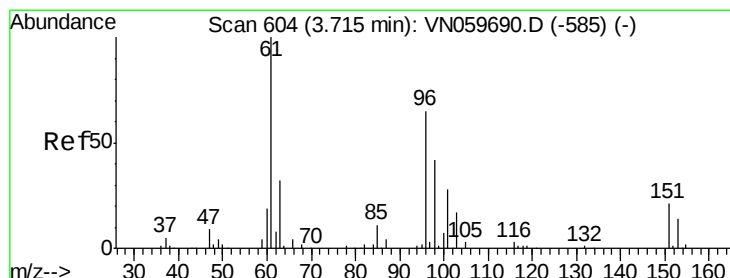
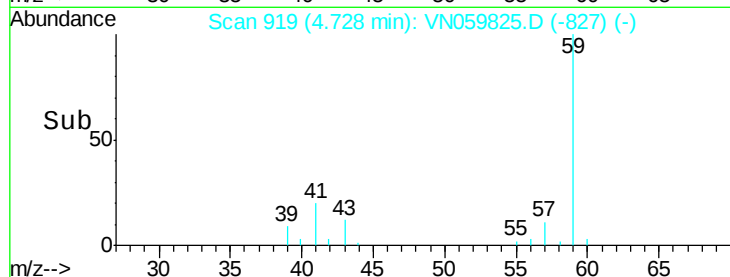
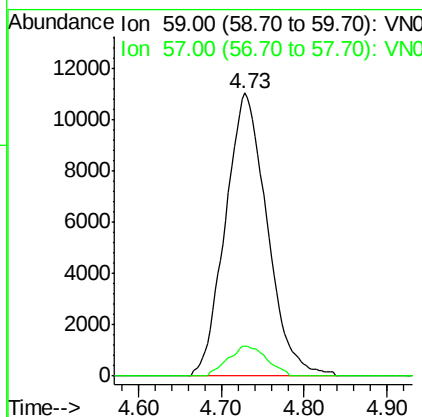
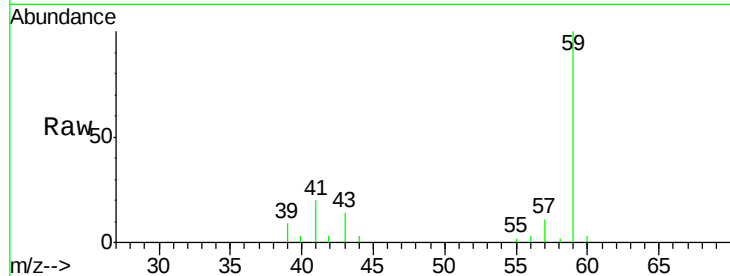
#11
Tert butyl alcohol
Concen: 99.571 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.6	12.8

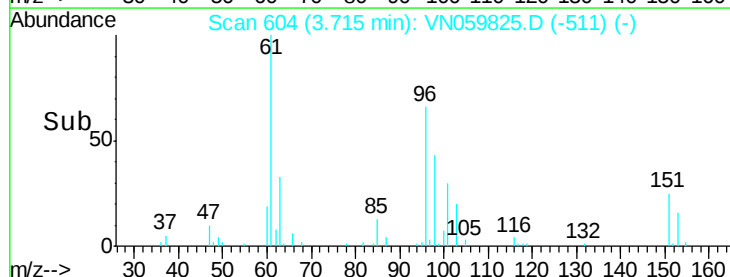
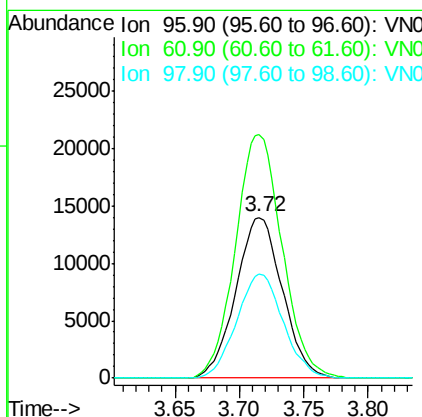
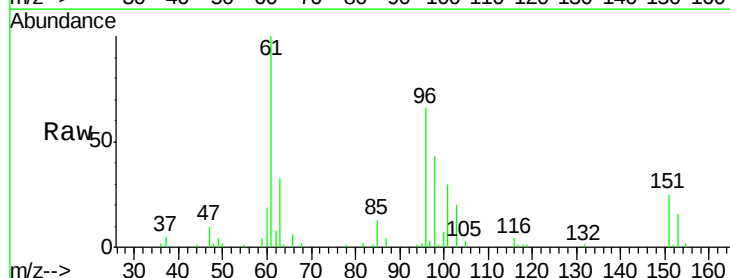
Manual Integrations
APPROVED

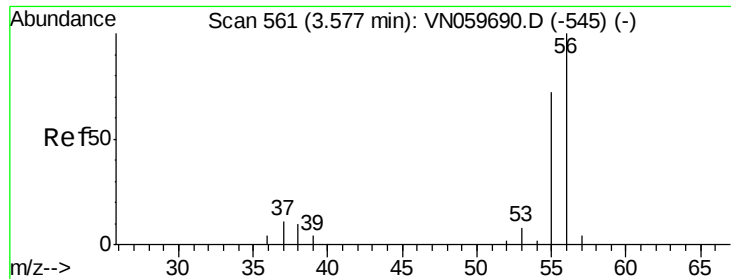
MMDadoda
1/24/2020 10:14:37 AM



#12
1,1-Dichloroethene
Concen: 18.541 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.2	137.5	206.3
98	64.5	50.2	75.4





#13

Acrolein

Concen: 87.946 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 56 Resp: 24142

Ion Ratio Lower Upper

56 100

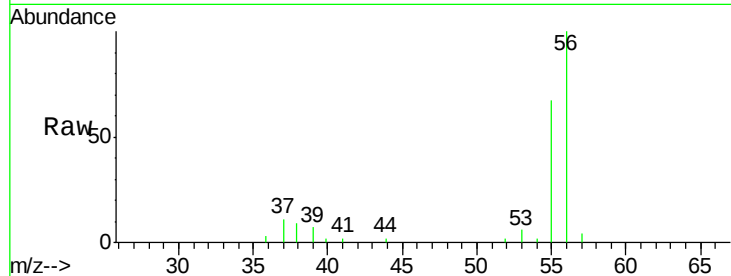
55 68.9 58.6 88.0

Manual Integrations

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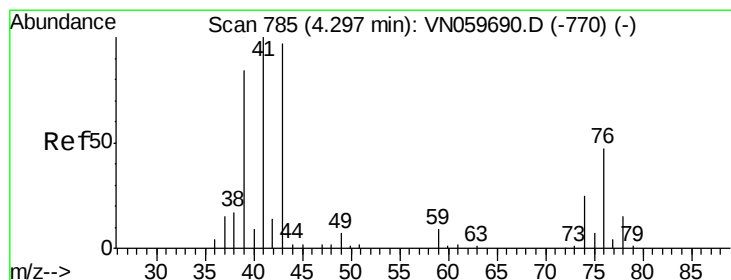
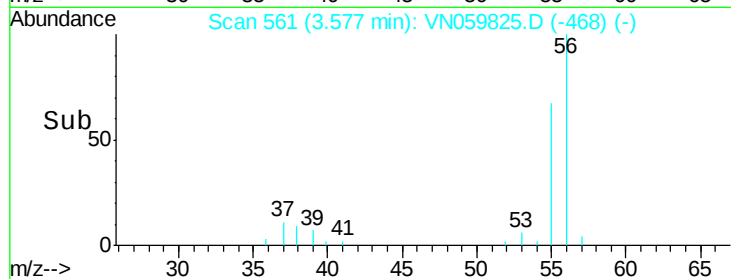
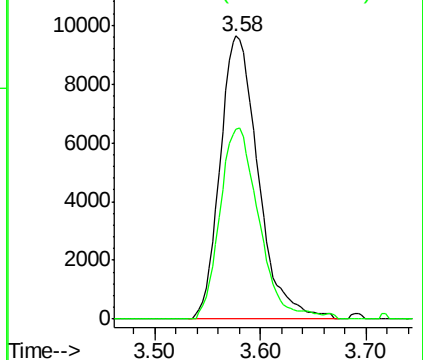
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.218 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

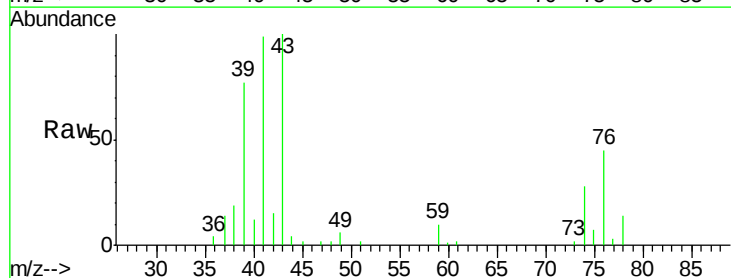
Tgt Ion: 41 Resp: 49160

Ion Ratio Lower Upper

41 100

39 80.9 57.8 86.8

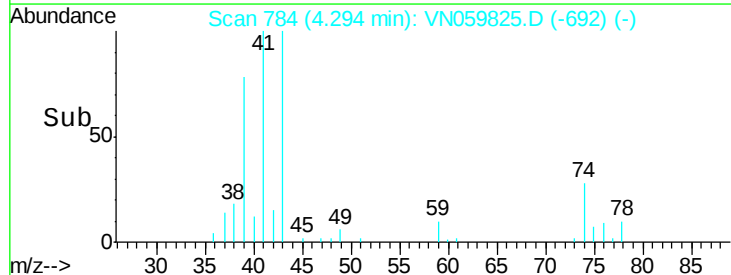
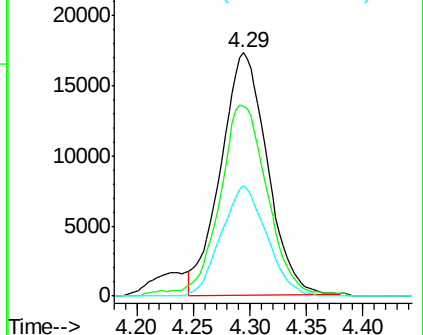
76 44.6 25.4 38.0#



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





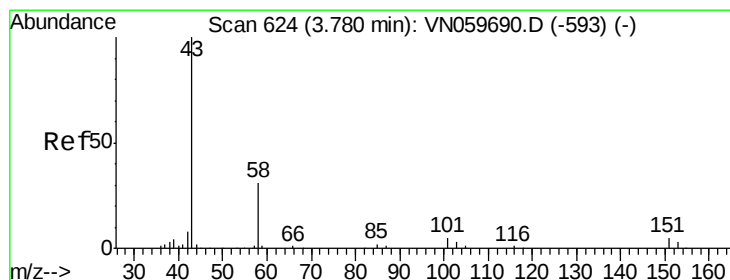
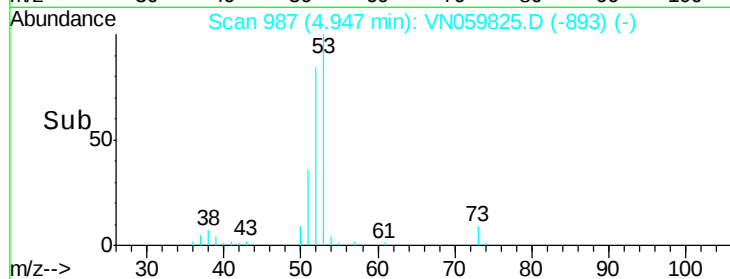
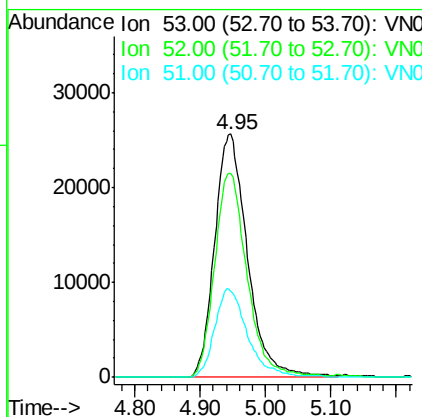
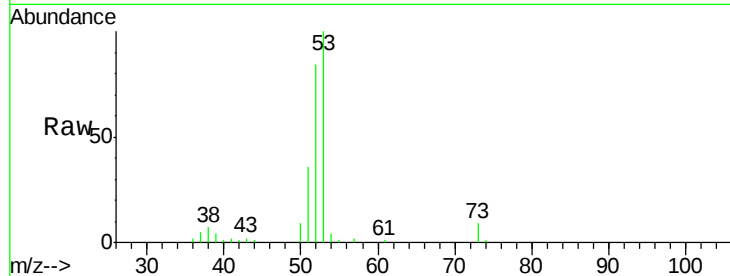
#15
 Acrylonitrile
 Concen: 101.243 ug/l
 RT: 4.95 min Scan# 987
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	36.3	29.7	44.5

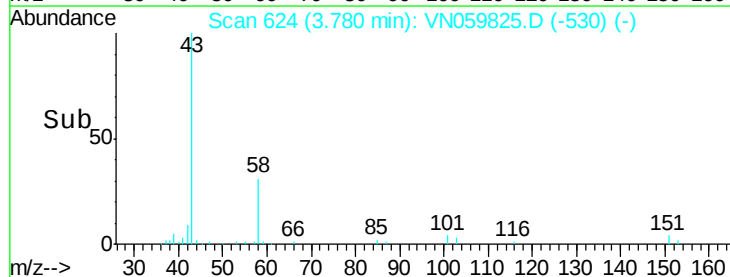
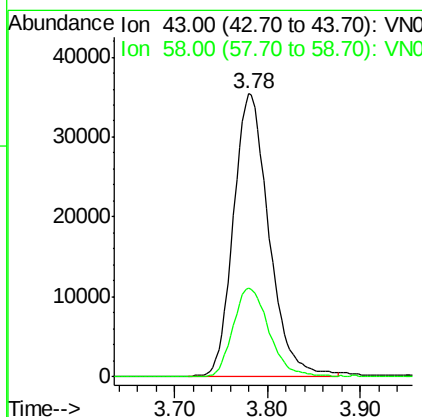
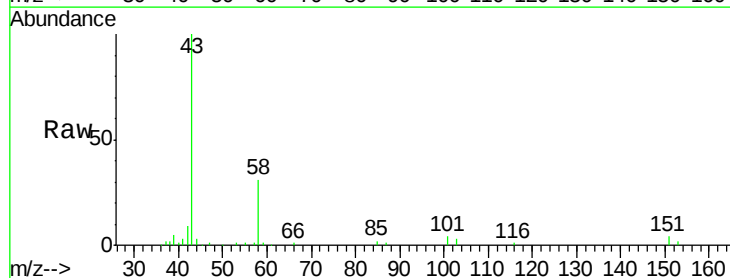
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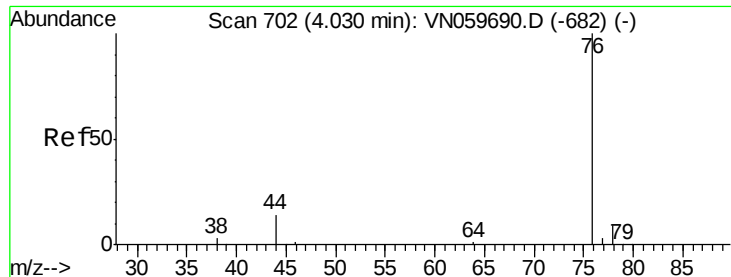
MMDadoda
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#16
 Acetone
 Concen: 114.708 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.6	35.4





#17

Carbon Disulfide

Concen: 17.248 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 76 Resp: 93246

Ion Ratio Lower Upper

76 100

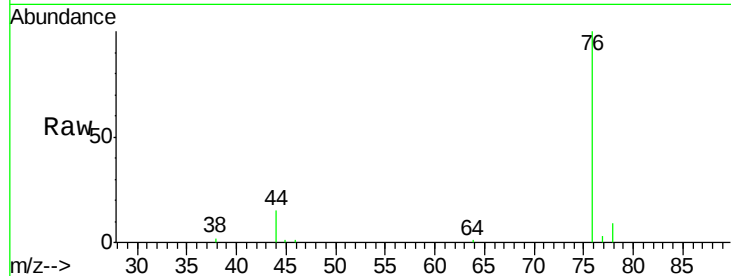
78 9.1 7.4 11.0

Manual Integrations

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MMDadoda

1/24/2020 10:14:37 AM

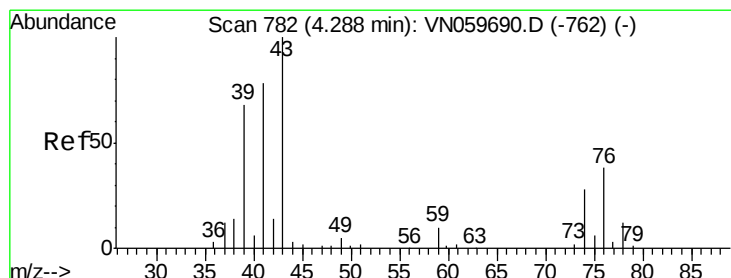
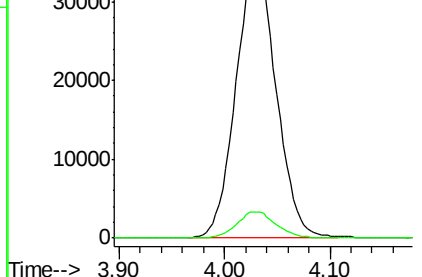
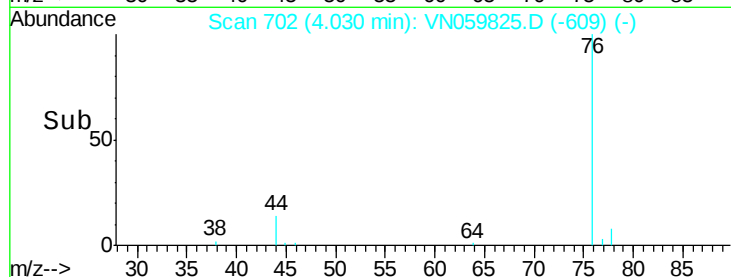


Abundance Ion 75.90 (75.60 to 76.60): VN059690.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN059690.D (-682) (-)

4.03

Time-->



#18

Methyl Acetate

Concen: 20.412 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059825.D

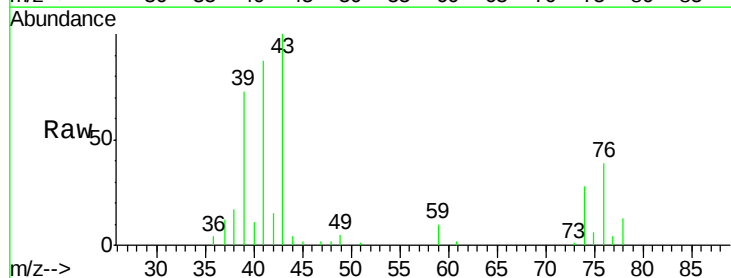
Acq: 22 Jan 2020 12:26

Tgt Ion: 43 Resp: 54923

Ion Ratio Lower Upper

43 100

74 26.8 17.5 26.3#

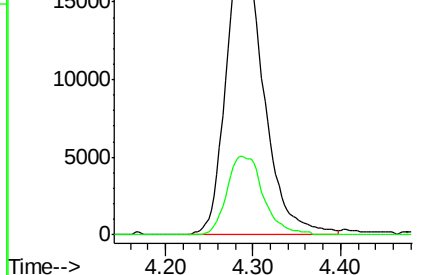
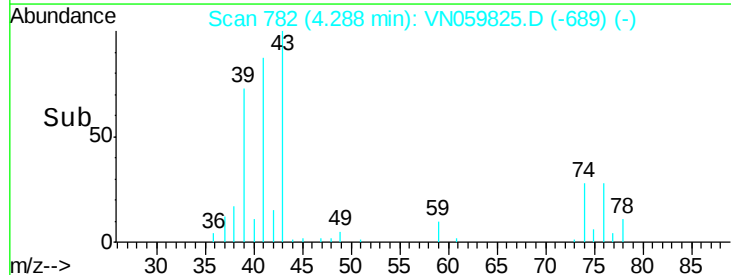


Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN059690.D (-762) (-)

4.29

Time-->





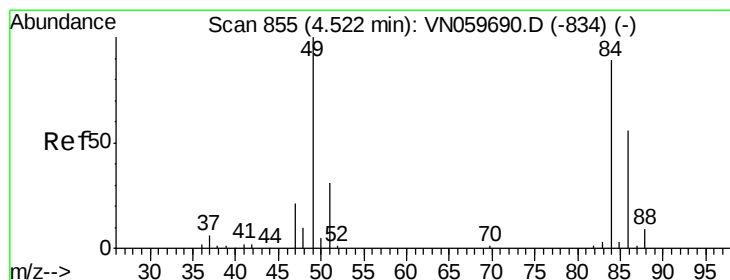
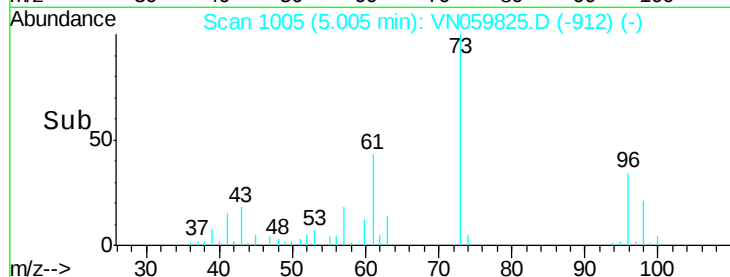
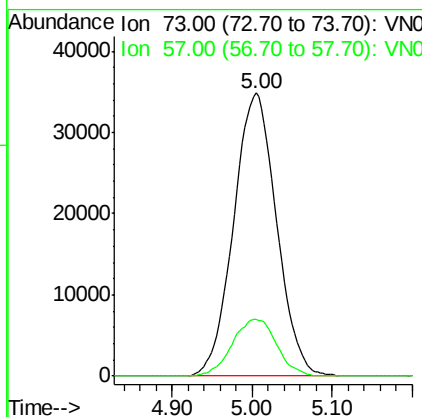
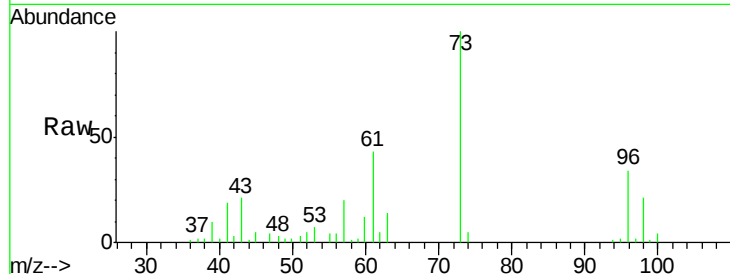
#19
Methvl tert-butvl Ether
Concen: 20.551 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion: 73 Resp: 127158
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

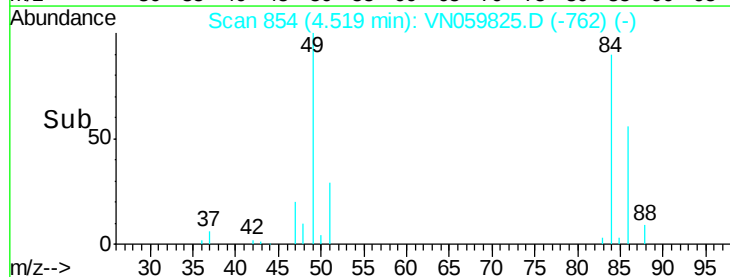
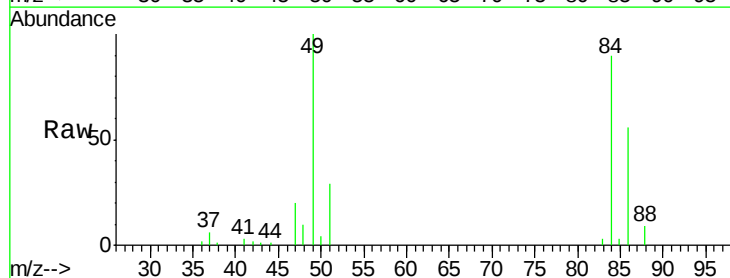
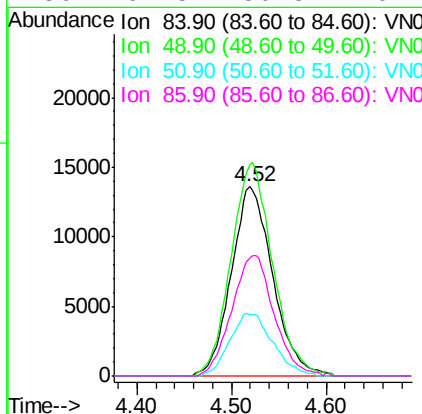
Manual Integrations
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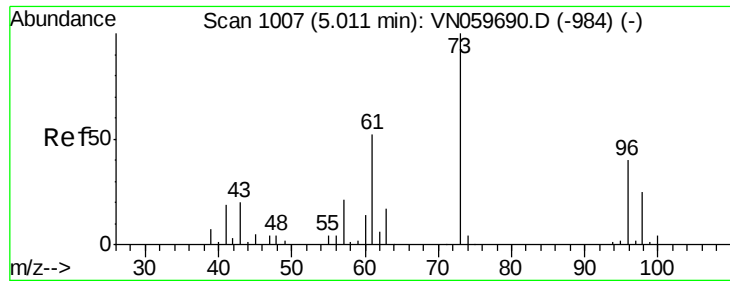
MMDadoda
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#20
Methylene Chloride
Concen: 19.091 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion: 84 Resp: 41454
Ion Ratio Lower Upper
84 100
49 111.5 106.6 160.0
51 32.8 31.9 47.9
86 62.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.143 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

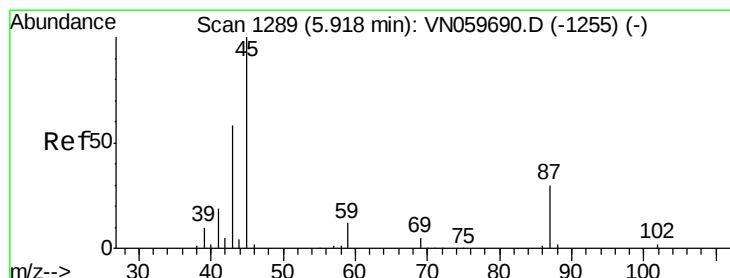
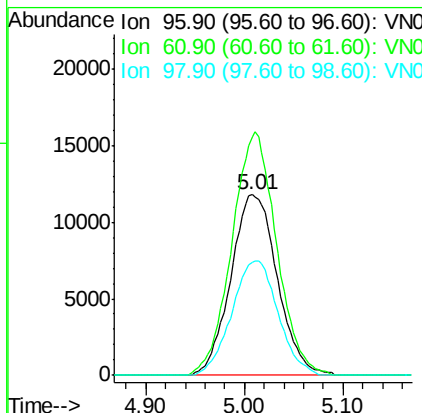
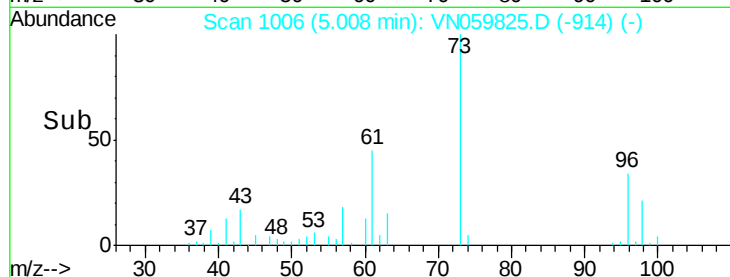
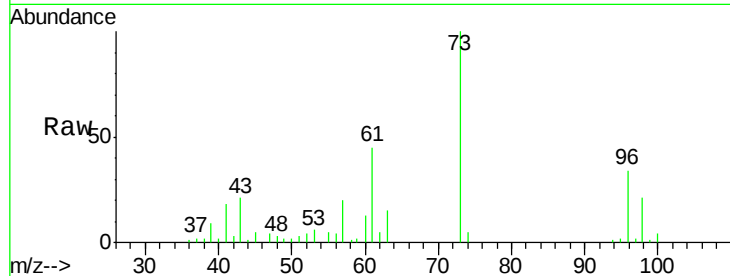
ClientSampleId :

VN0122MBS01

Tot Ion:	96	Resp:	38617
Ion	Ratio	Lower	Upper
96	100		
61	132.1	120.4	180.6
98	62.4	50.6	75.8

Manual Integrations
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1/24/2020 10:14:37 AM



#22

Diisopropyl ether

Concen: 19.691 ug/l

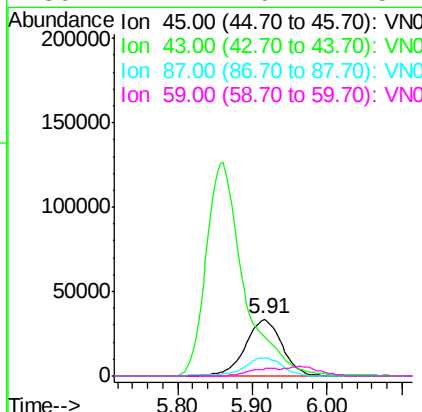
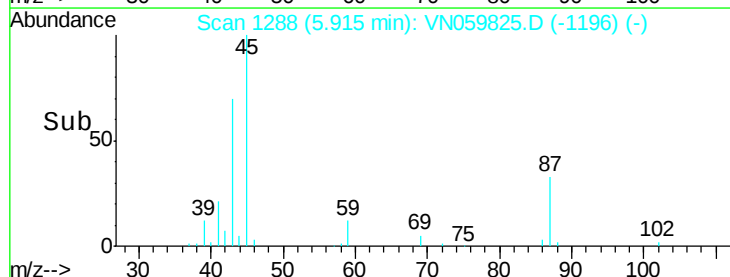
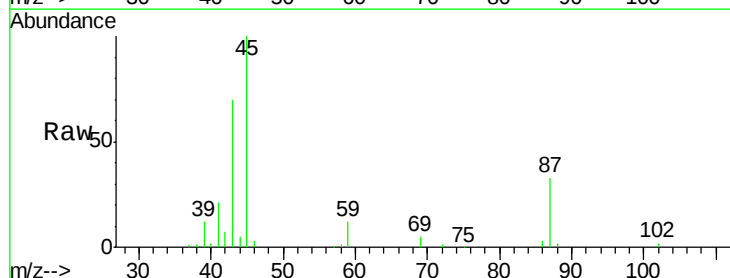
RT: 5.91 min Scan# 1288

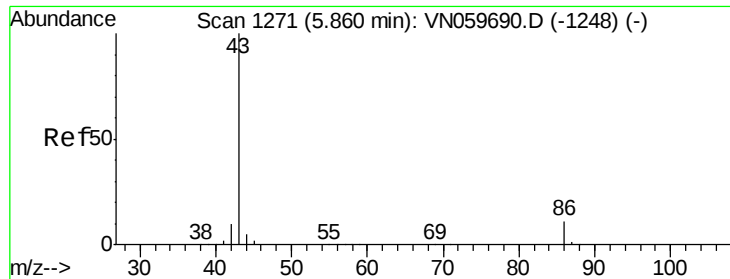
Delta R.T. -0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion:	45	Resp:	114144
Ion	Ratio	Lower	Upper
45	100		
43	68.1	50.8	76.2
87	32.8	21.0	31.6
59	12.1	9.1	13.7





#23

Vinyl Acetate

Concen: 98.410 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0122MBS01

Tot Ion: 43 Resp: 441677

Ion Ratio Lower Upper

43 100

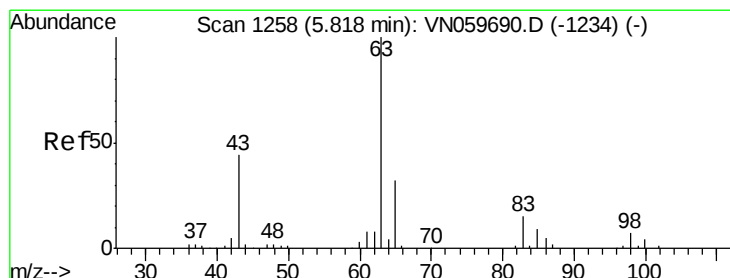
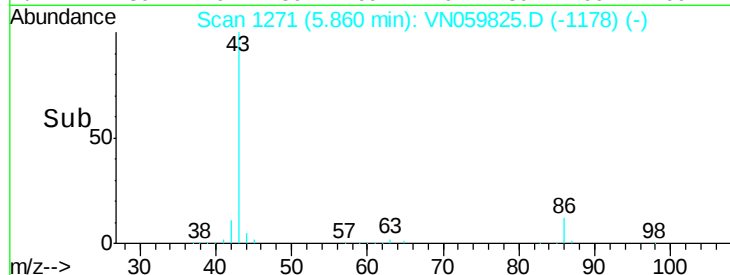
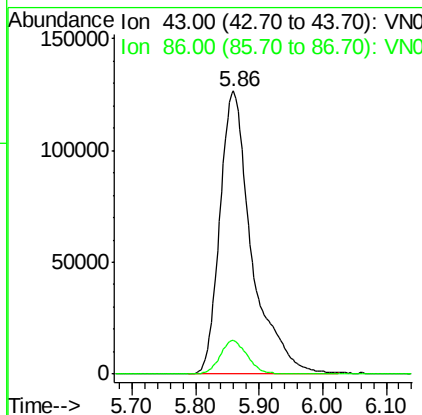
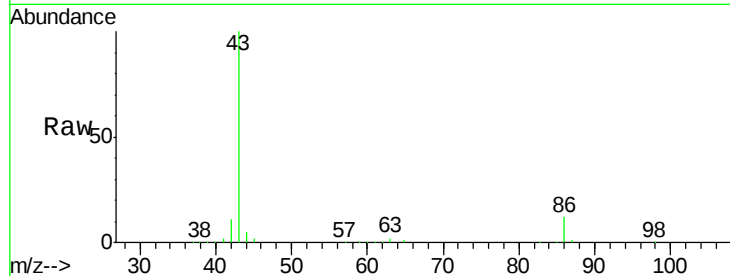
86 11.8 7.6 11.4#

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#24

1,1-Dichloroethane

Concen: 19.575 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

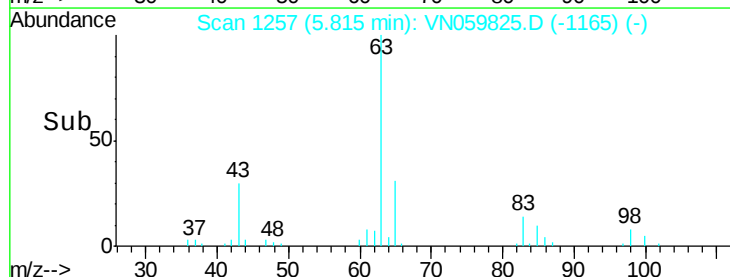
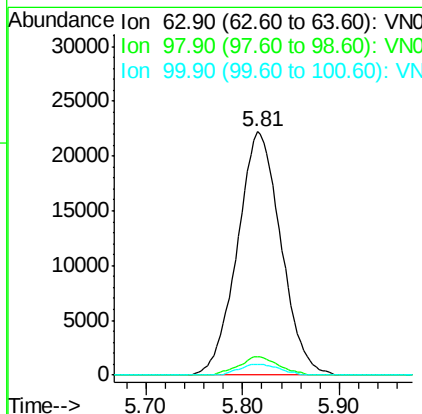
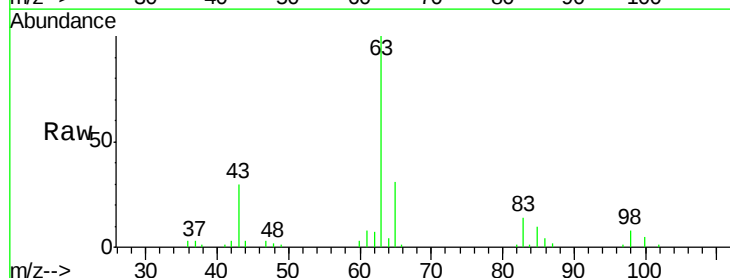
Tgt Ion: 63 Resp: 69336

Ion Ratio Lower Upper

63 100

98 7.6 2.9 8.7

100 4.6 2.0 6.0





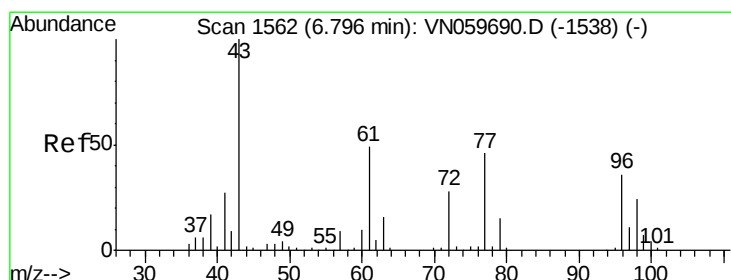
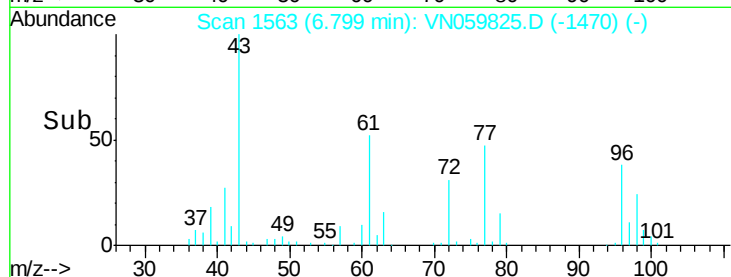
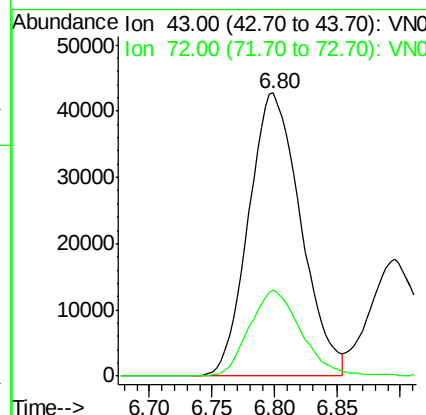
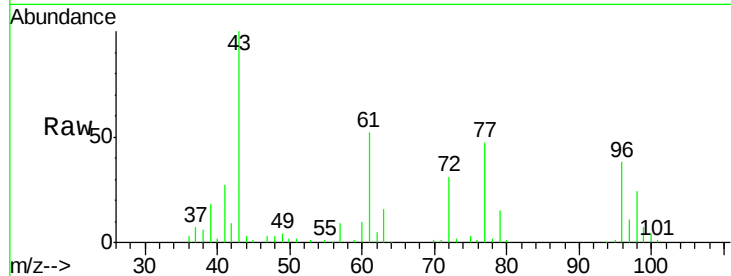
#25
2-Butanone
Concen: 94.982 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion: 43 Resp: 123903
Ion Ratio Lower Upper
43 100
72 30.6 19.9 29.9#

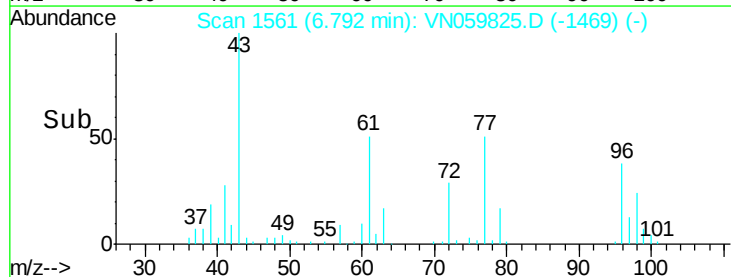
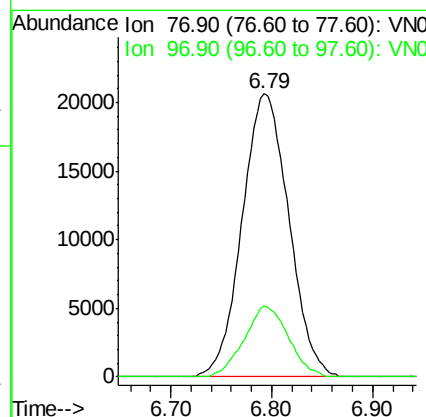
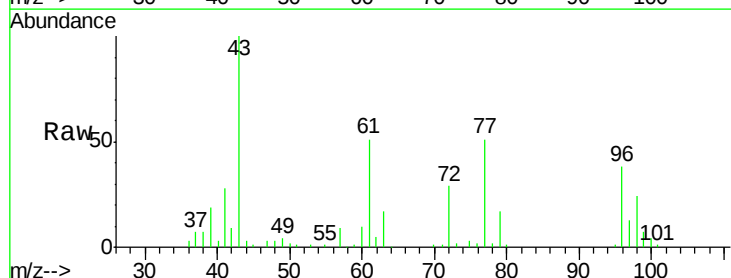
Manual Integrations
APPROVED

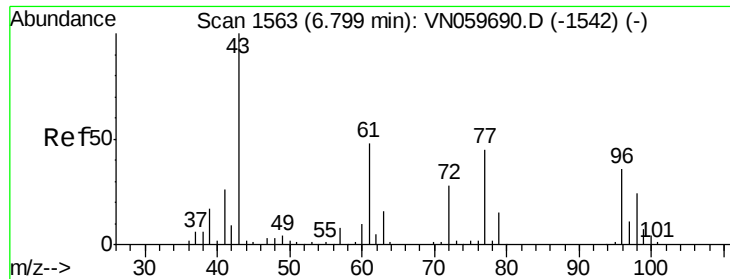
MMDadoda
1/24/2020 10:14:37 AM



#26
2,2-Dichloropropane
Concen: 19.457 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion: 77 Resp: 66255
Ion Ratio Lower Upper
77 100
97 23.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 19.816 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

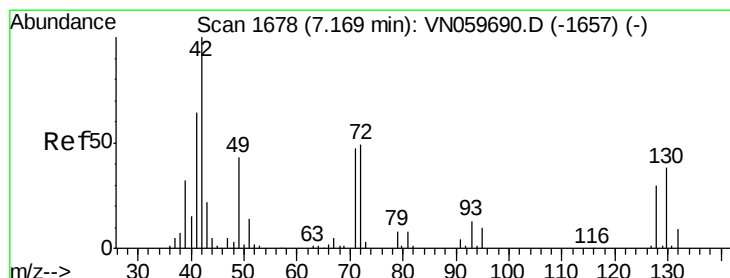
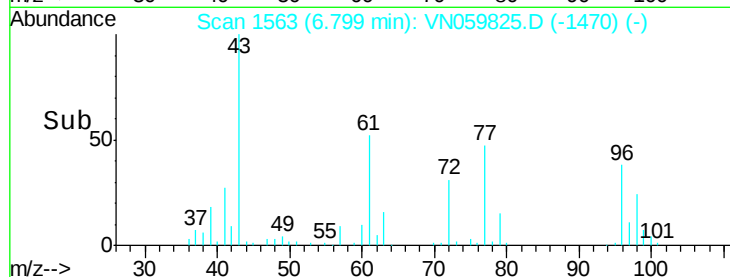
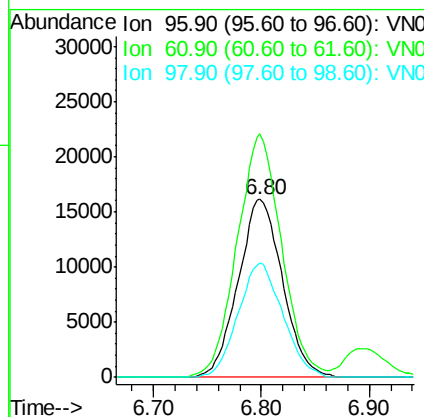
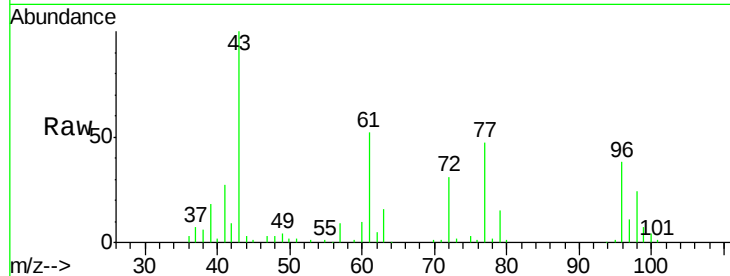
ClientSampleId :

VN0122MBS01

Tot Ion:	96	Resp:	45977
Ion	Ratio	Lower	Upper
96	100		
61	137.3	0.0	317.6
98	64.6	0.0	127.0

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#28

Bromochloromethane

Concen: 20.902 ug/l

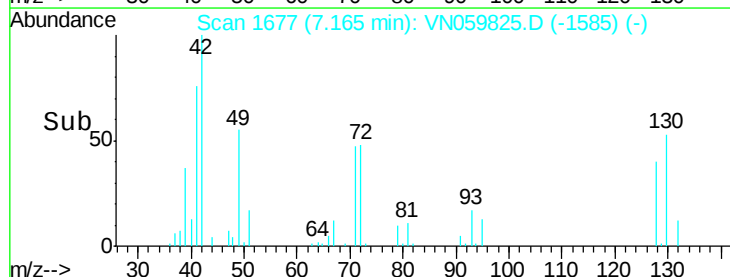
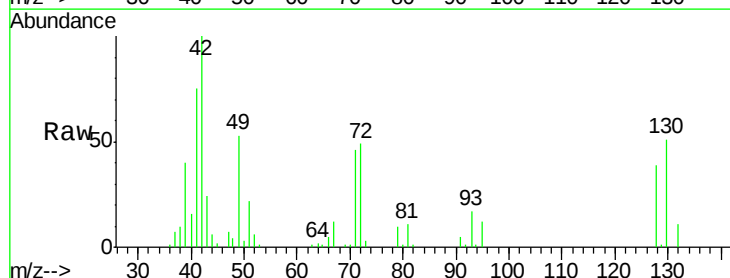
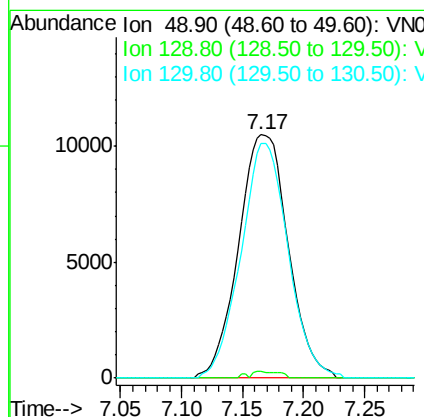
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion:	49	Resp:	29590
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.4
130	91.8	54.7	82.1#





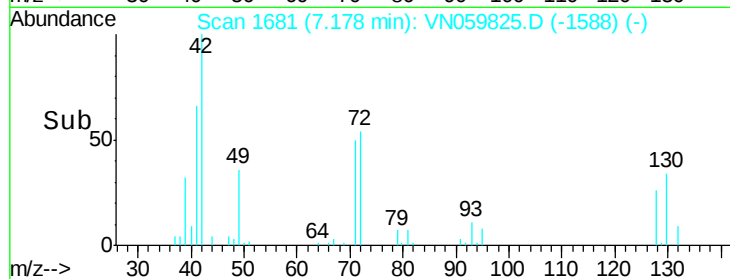
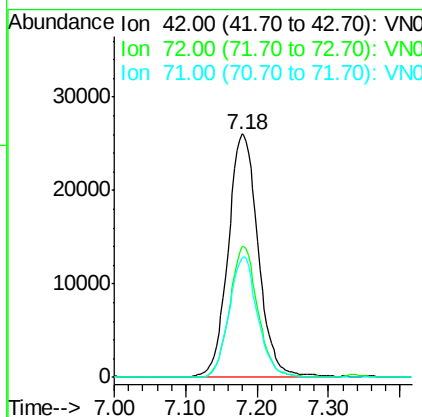
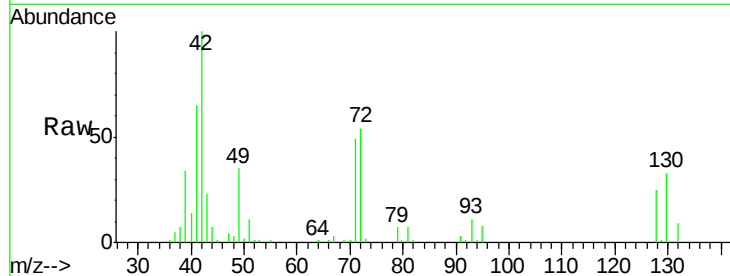
#29
Tetrahydrofuran
Concen: 94.968 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	33.1	49.7#
71	46.7	31.4	47.0

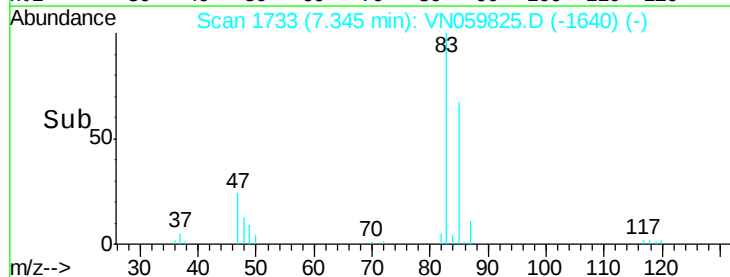
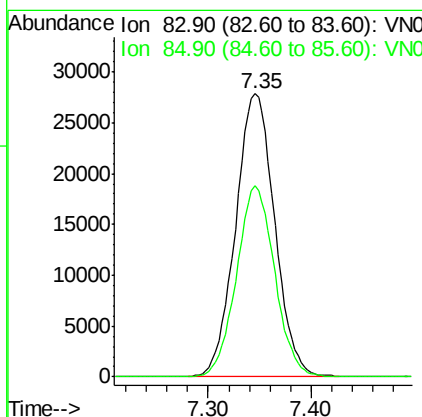
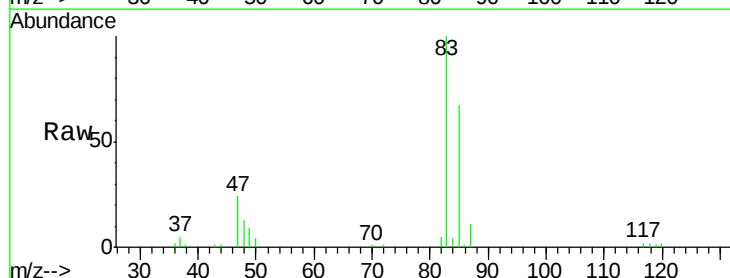
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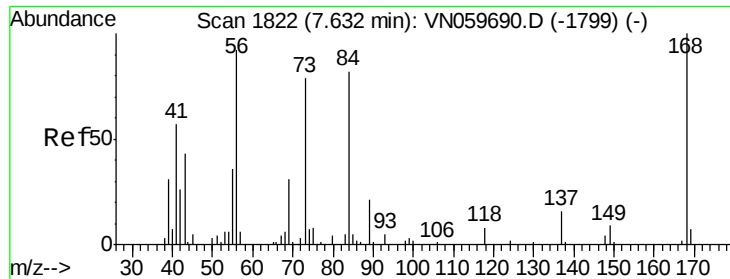
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#30
Chloroform
Concen: 20.023 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	52.4	78.6





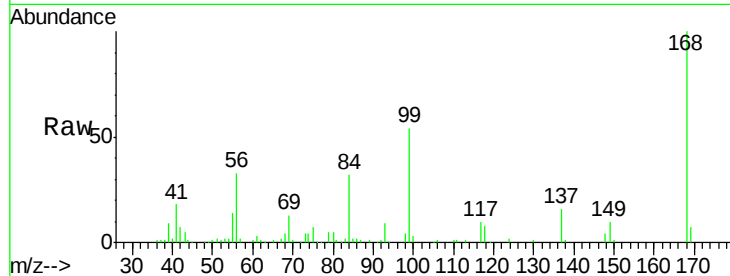
#31
Cyclohexane
Concen: 18.043 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

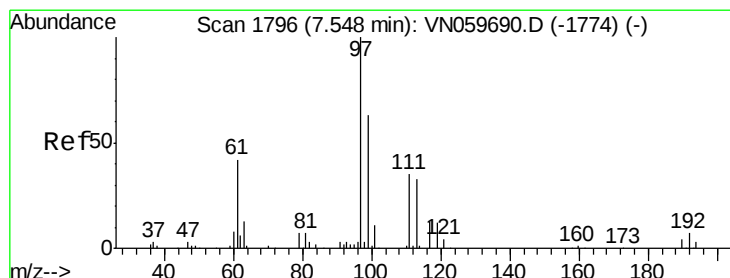
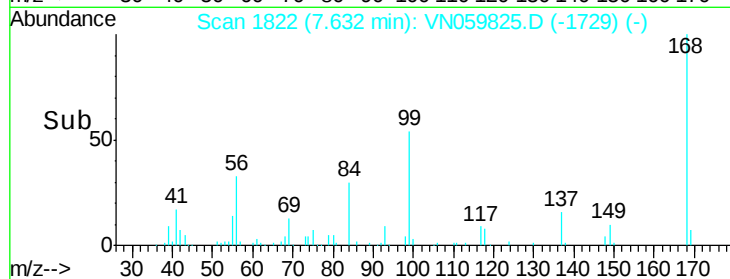
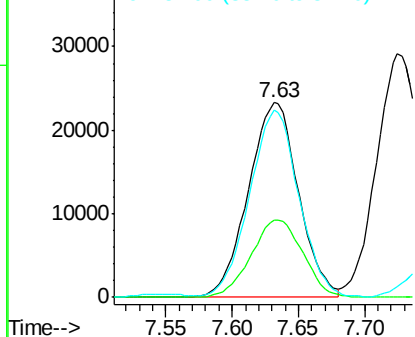
Tot Ion	Ratio	Lower	Upper
56	100		
69	39.6	26.5	39.7
84	95.0	65.3	97.9

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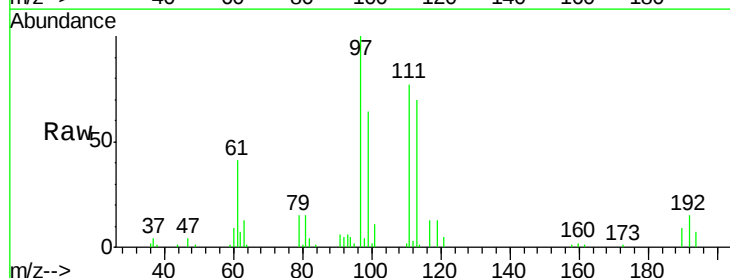


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

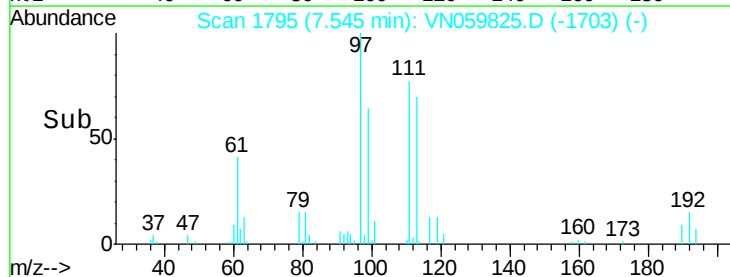
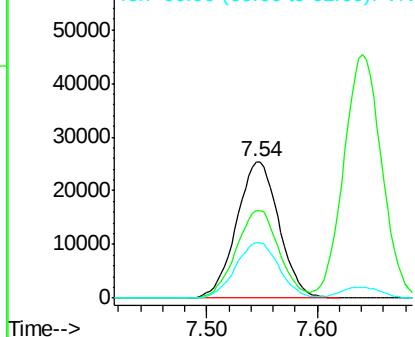


#32
1,1,1-Trichloroethane
Concen: 19.923 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	41.9	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





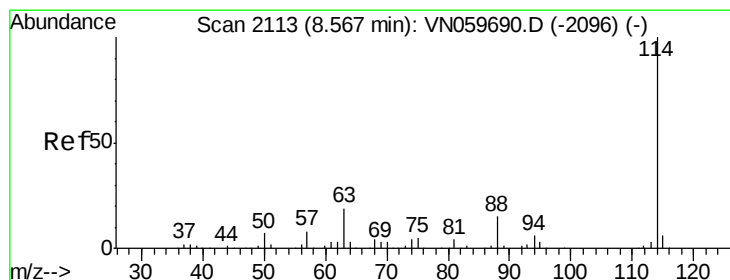
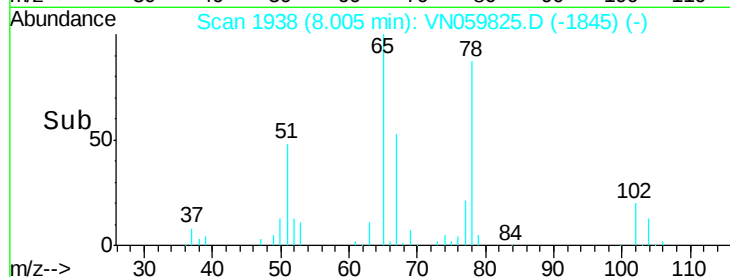
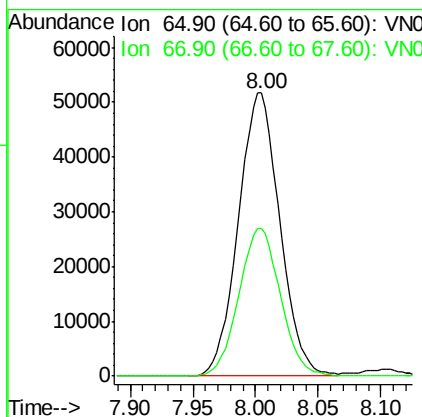
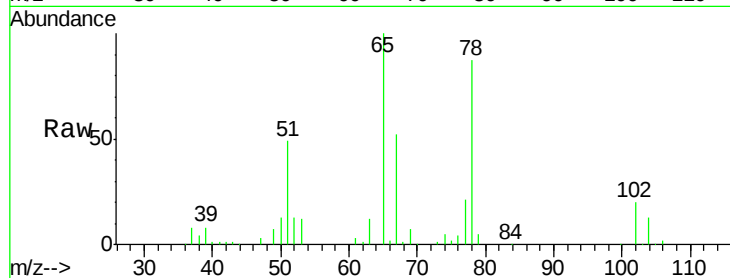
#33
 1,2-Dichloroethane-d4
 Concen: 51.635 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.0	

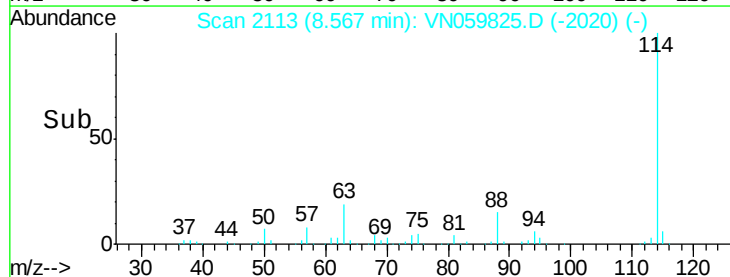
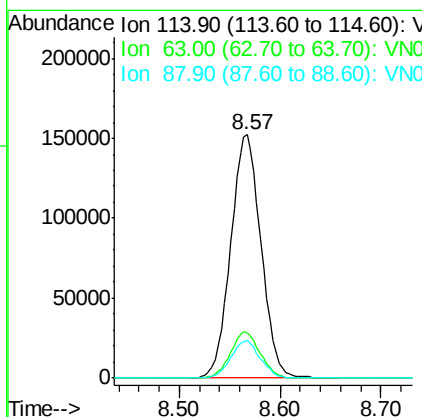
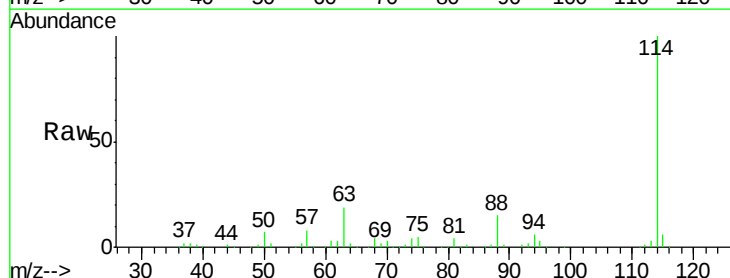
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	43.6	
88	15.2	0.0	31.4	





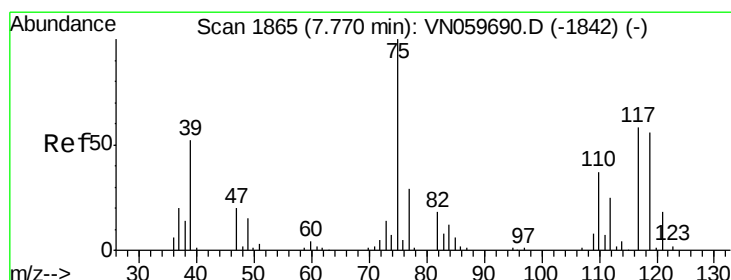
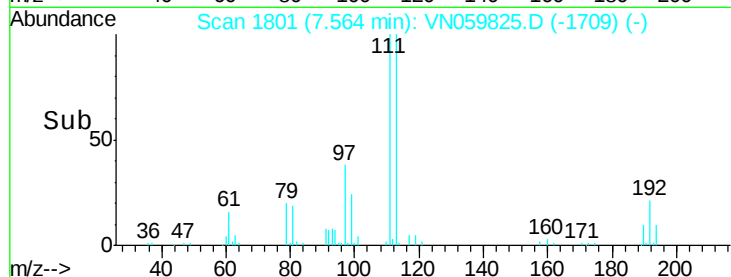
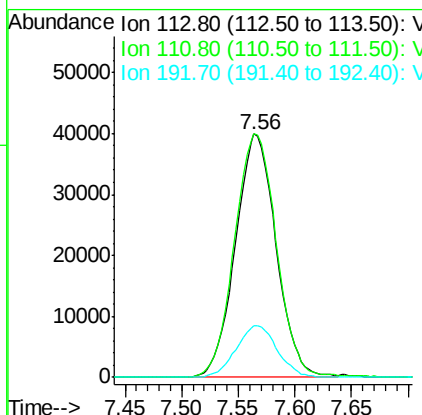
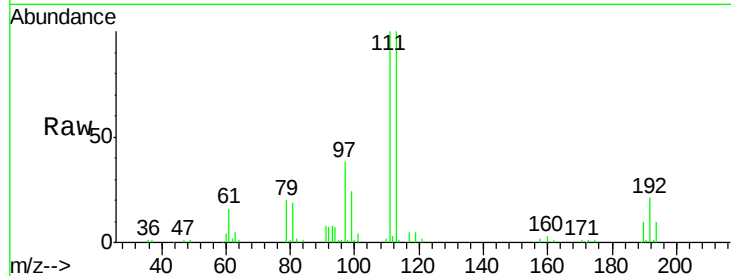
#35
Dibromofluoromethane
Concen: 52.730 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.5	125.3
192	21.4	15.4	23.2

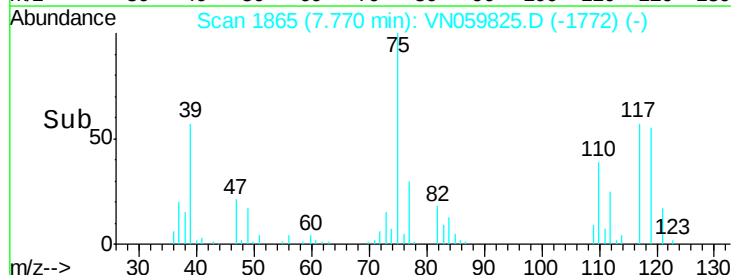
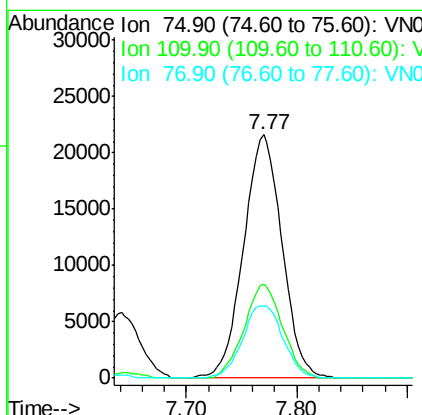
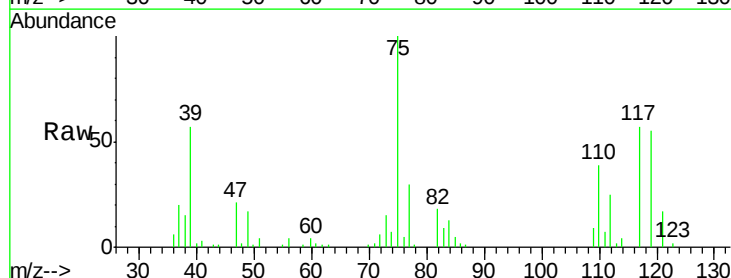
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#36
1,1-Dichloropropene
Concen: 18.918 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	16.6	49.7
77	31.3	25.1	37.7





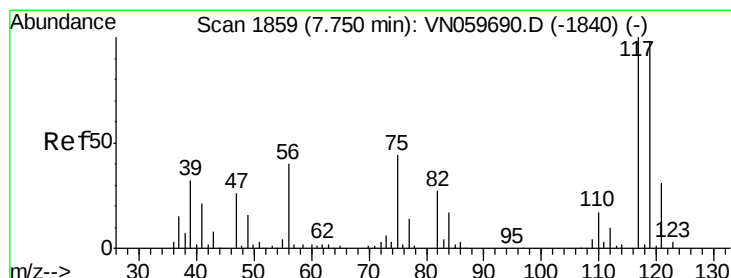
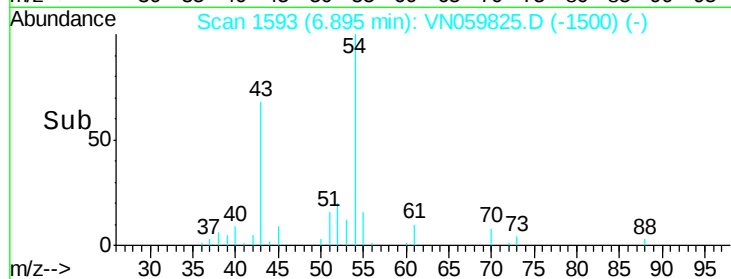
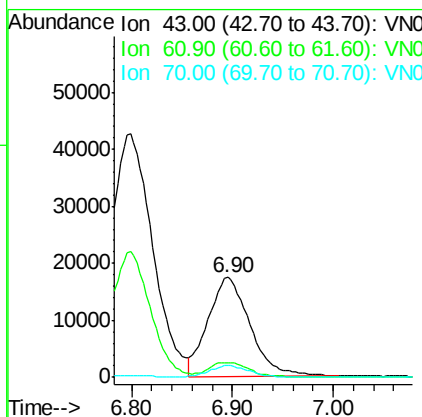
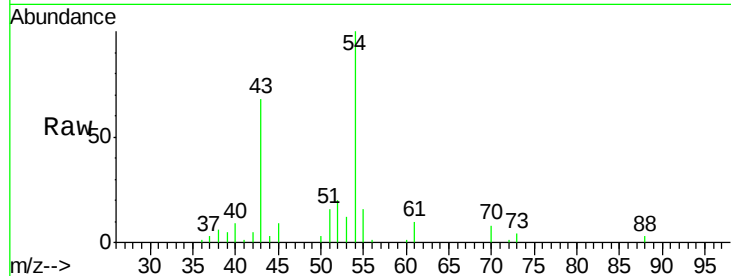
#37
Ethyl Acetate
Concen: 19.411 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	43	61	70
Ratio	100	14.5	11.2
Lower		10.9	7.7
Upper		16.3	11.5

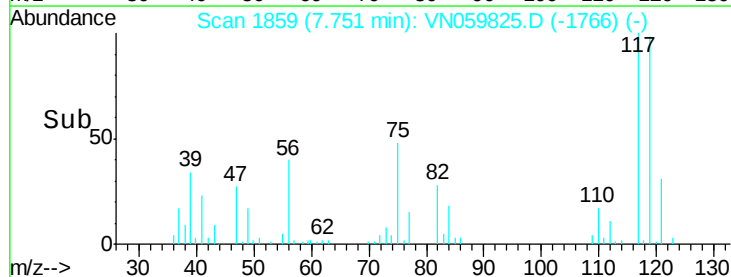
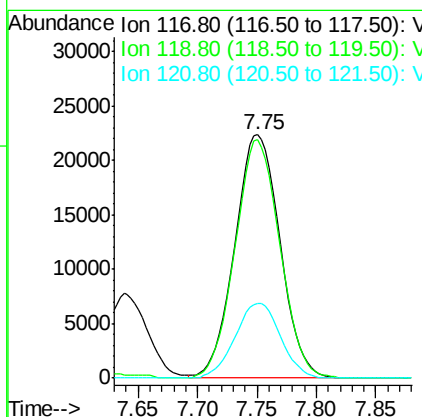
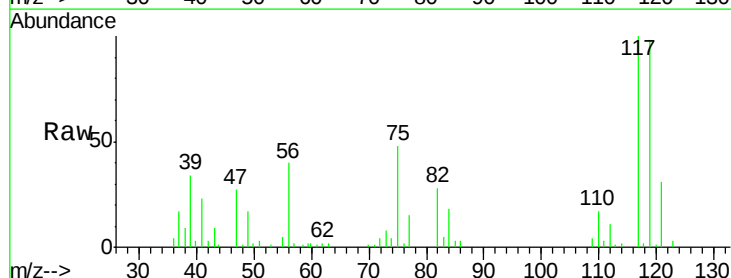
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#38
Carbon Tetrachloride
Concen: 19.585 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	117	119	121
Ratio	100	98.0	30.9
Lower		76.5	25.1
Upper		114.7	37.7





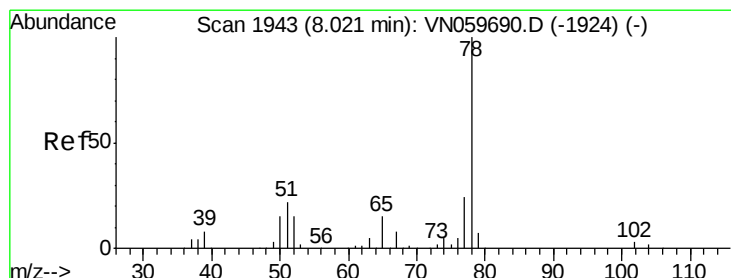
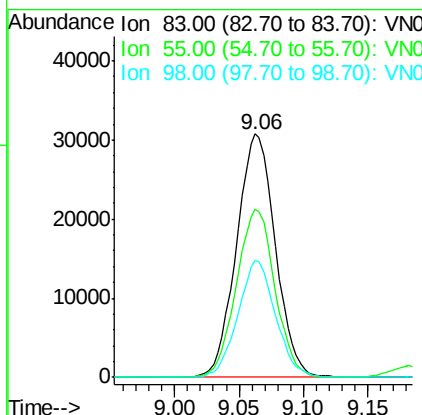
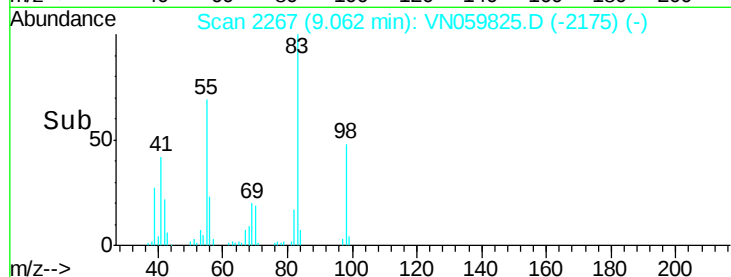
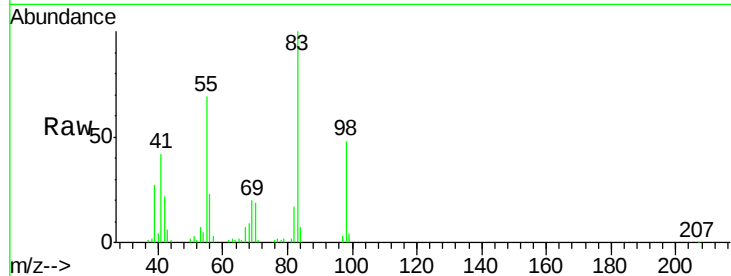
#39
Methvlcvclohexane
Concen: 18.901 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.8	64.2	96.2
98	48.1	35.9	53.9

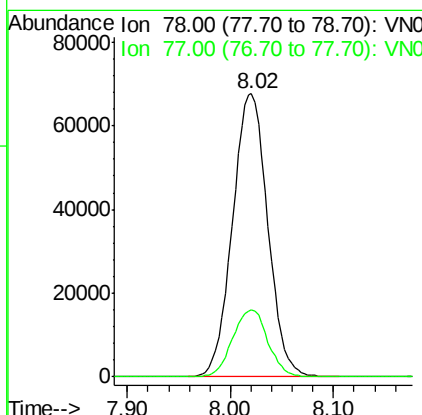
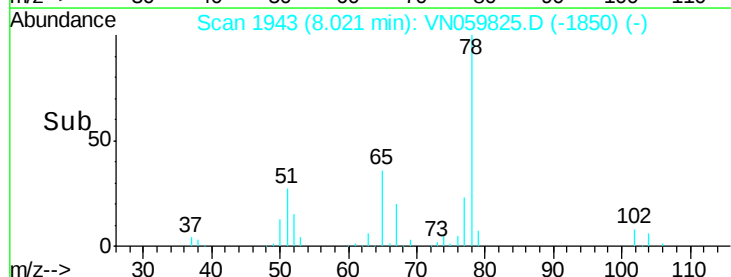
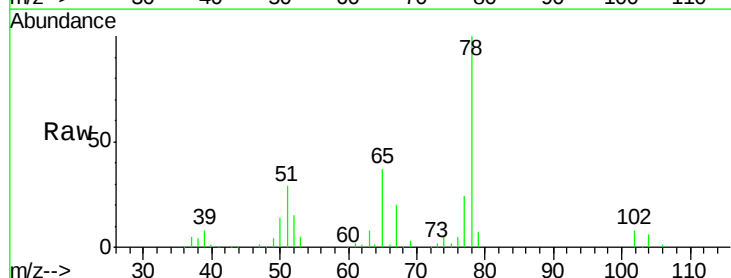
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#40
Benzene
Concen: 19.498 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





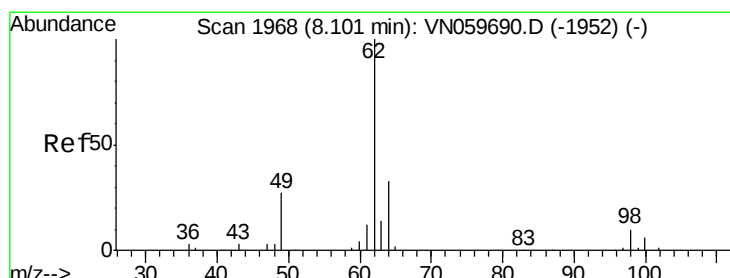
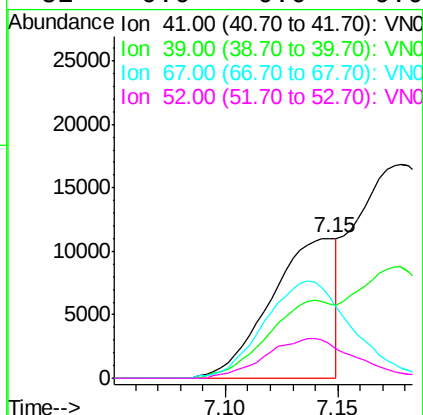
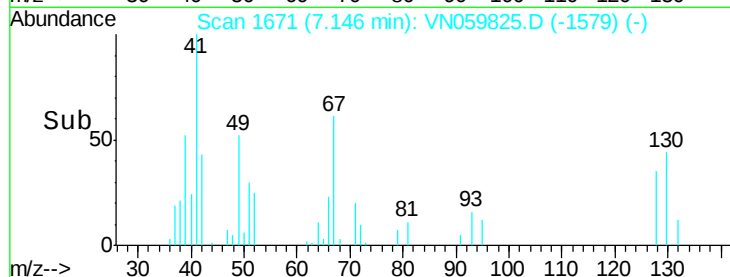
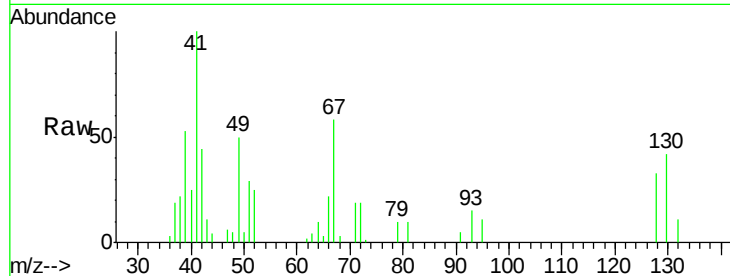
#41
Methacrylonitrile
Concen: 17.568 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	41	Resp	22428
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

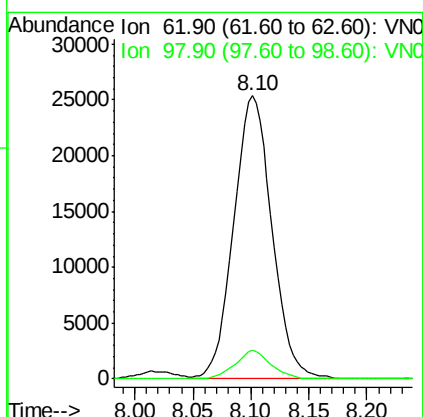
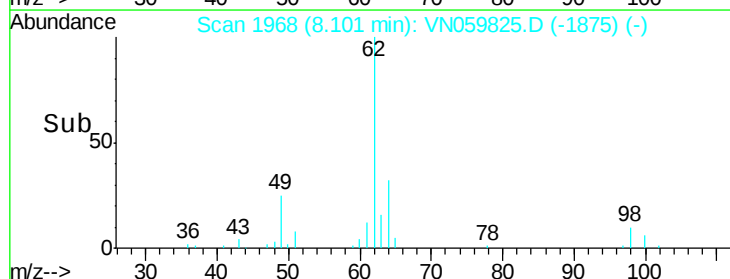
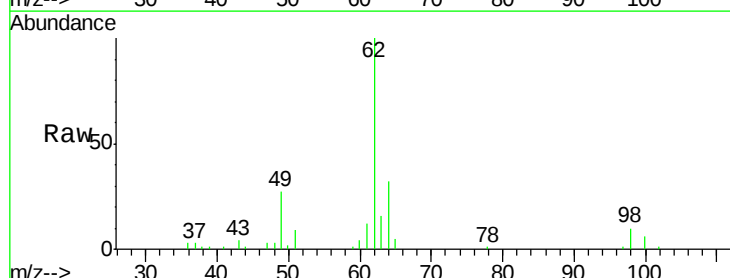
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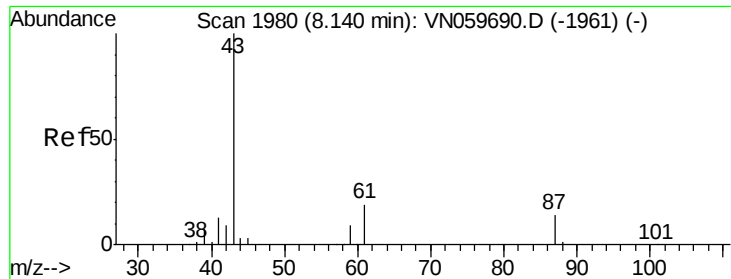
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#42
1,2-Dichloroethane
Concen: 20.788 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	62	Resp	58087
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.120 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

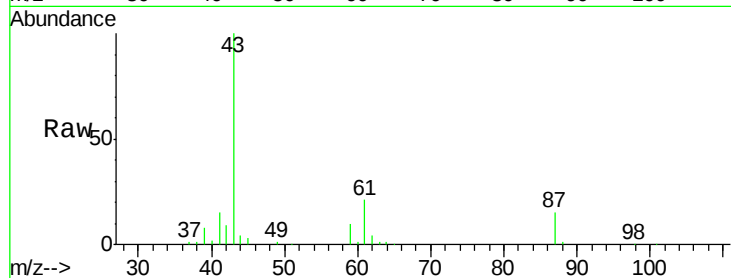
ClientSampleId :

VN0122MBS01

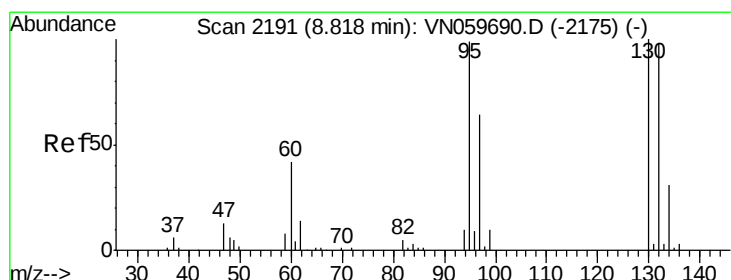
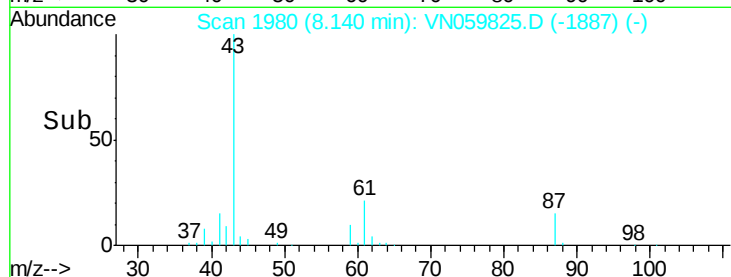
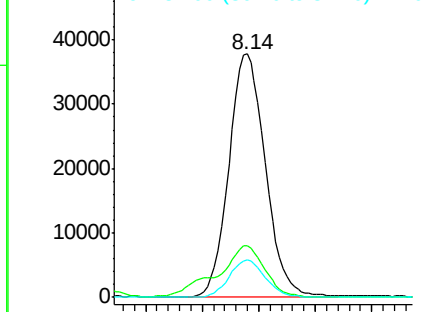
Tot Ion:	43	Resp:	85236
Ion	Ratio	Lower	Upper
43	100		
61	21.4	20.2	30.2
87	14.9	9.5	14.3#

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN059825.D (-1887) (-)



#44

Trichloroethene

Concen: 20.981 ug/l

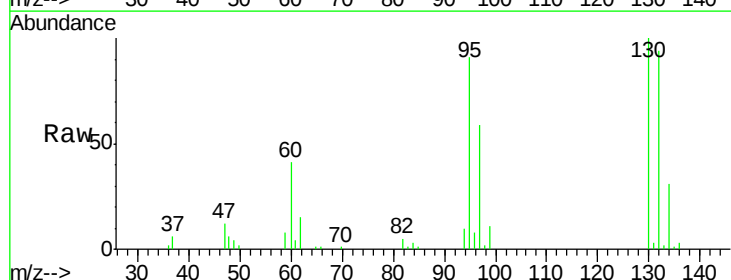
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

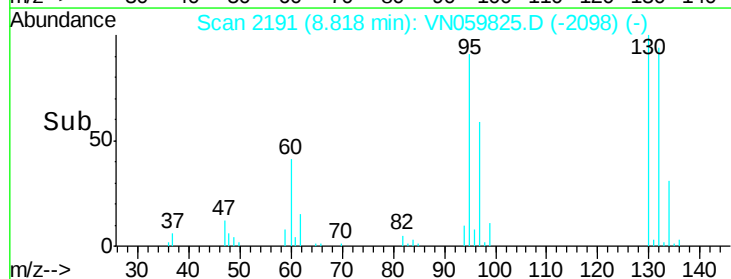
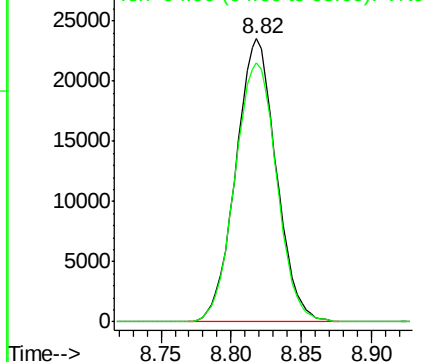
Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion:	130	Resp:	47203
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059825.D (-2098) (-)





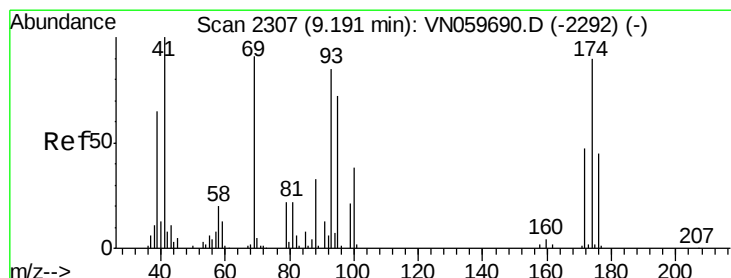
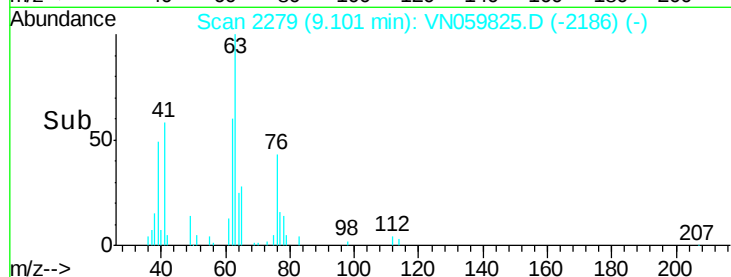
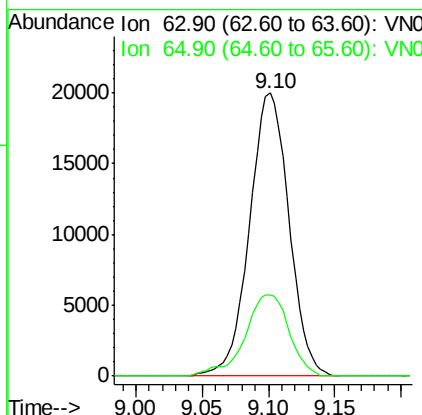
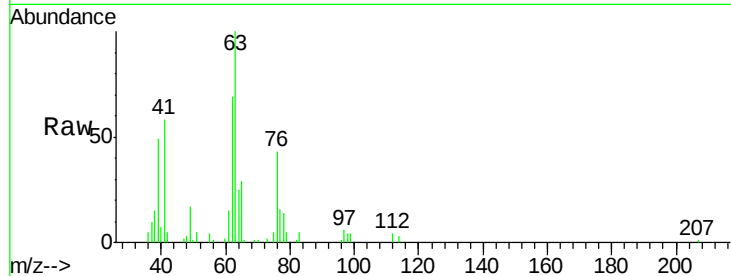
#45
 1,2-Dichloropropane
 Concen: 20.289 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion: 63 Resp: 41375
 Ion Ratio Lower Upper
 63 100
 65 28.9 24.9 37.3

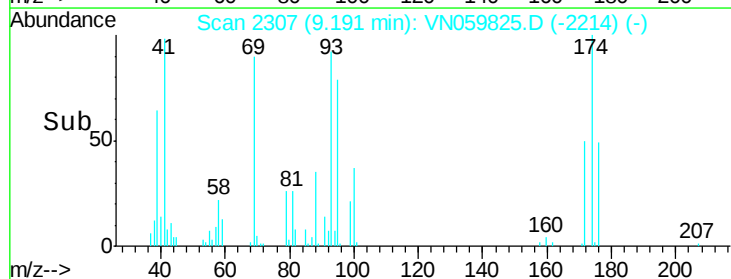
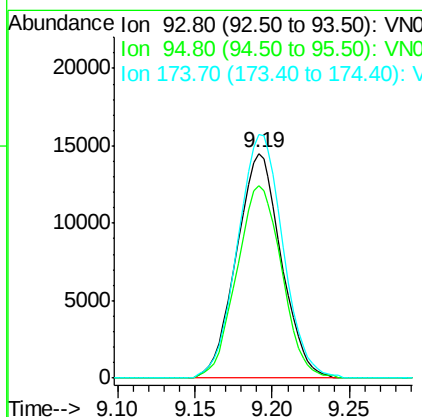
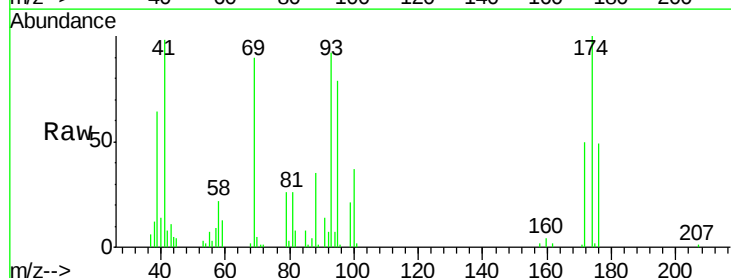
Manual Integrations
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 1/24/2020 10:14:37 AM



#46
 Dibromomethane
 Concen: 20.283 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion: 93 Resp: 29178
 Ion Ratio Lower Upper
 93 100
 95 86.0 67.0 100.6
 174 110.0 73.4 110.2





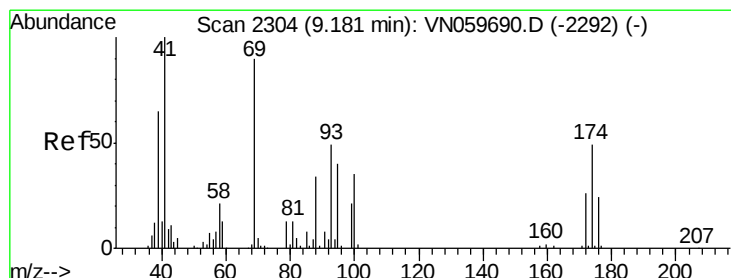
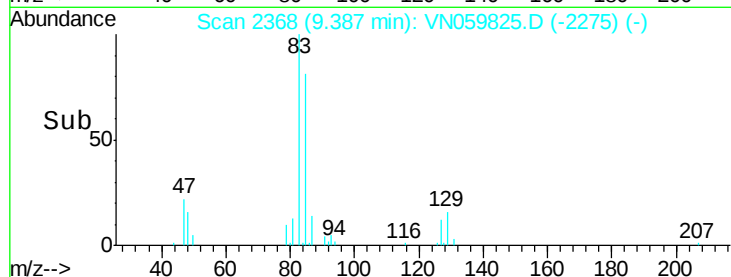
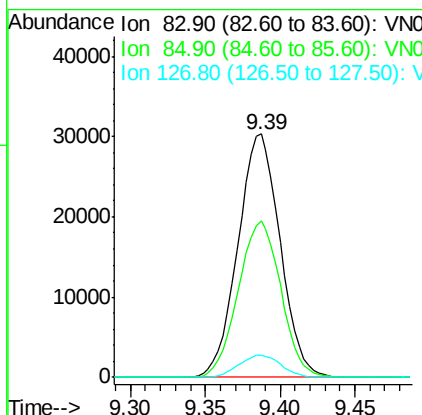
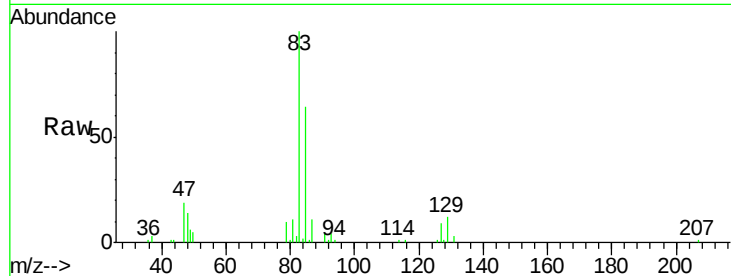
#47
Bromodichloromethane
Concen: 20.496 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	83	Resp	59417
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	9.3	6.6	9.8

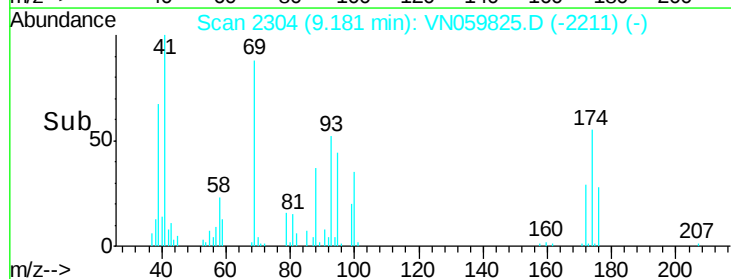
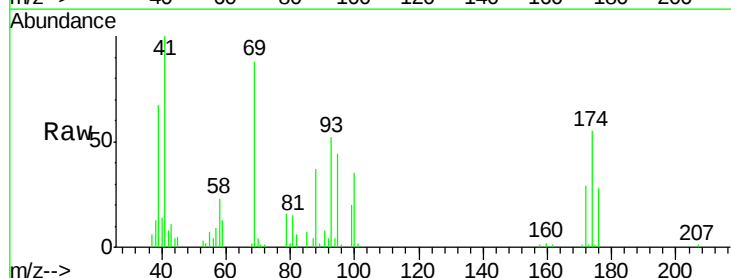
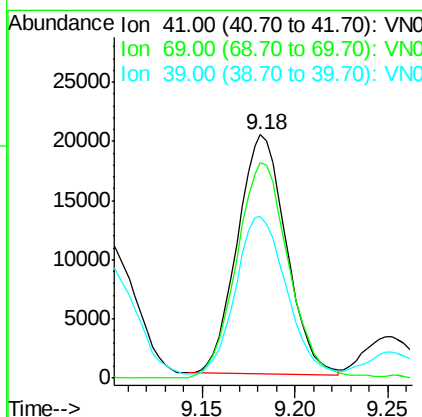
Manual Integrations
APPROVED

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1/24/2020 10:14:37 AM



#48
Methyl methacrylate
Concen: 18.610 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	41	Resp	37110
Ion Ratio	100	Lower	Upper
41	100		
69	95.4	64.4	96.6
39	71.8	51.3	76.9





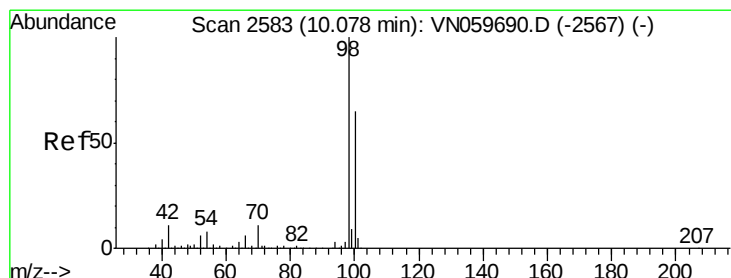
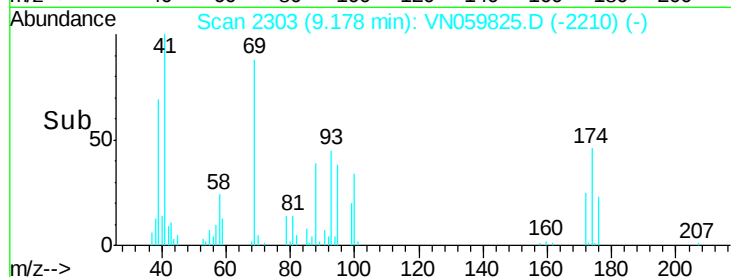
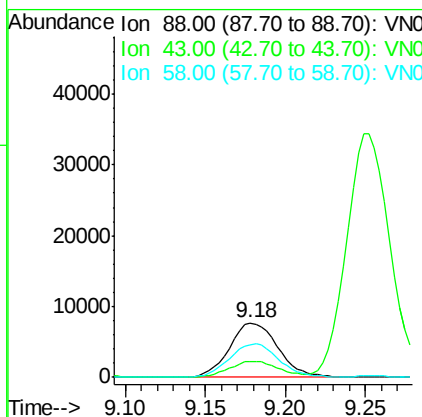
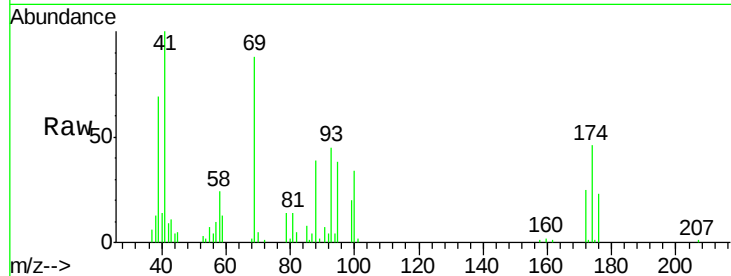
#49
1,4-Dioxane
Concen: 436.036 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	29.7	44.5
58	62.3	56.6	85.0

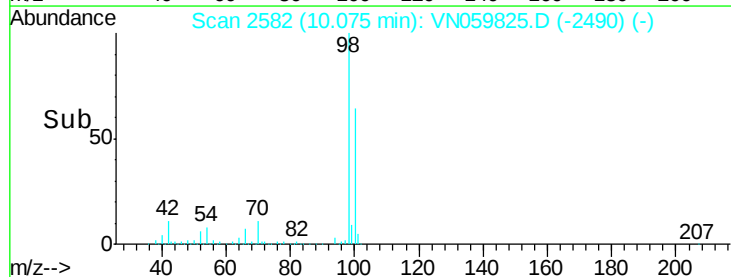
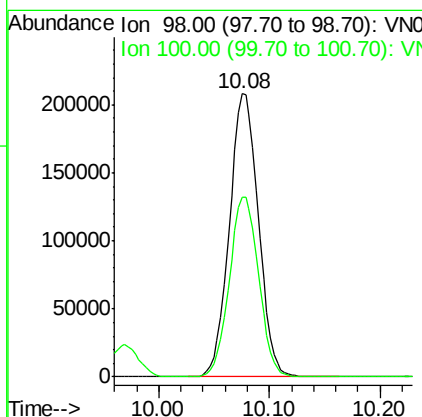
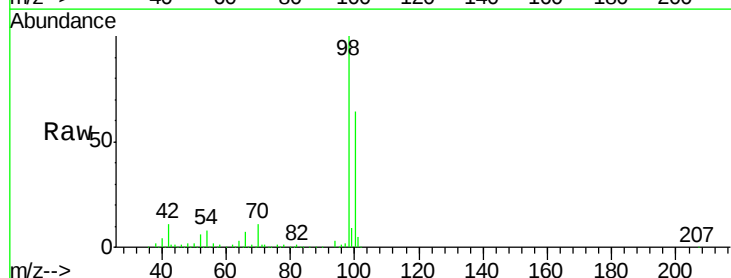
Manual Integrations
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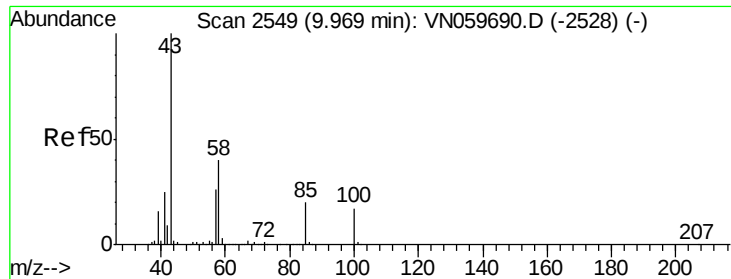
MMDadoda
1/24/2020 10:14:37 AM



#50
Toluene-d8
Concen: 51.764 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 96.958 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 43 Resp: 249864

Ion Ratio Lower Upper

43 100

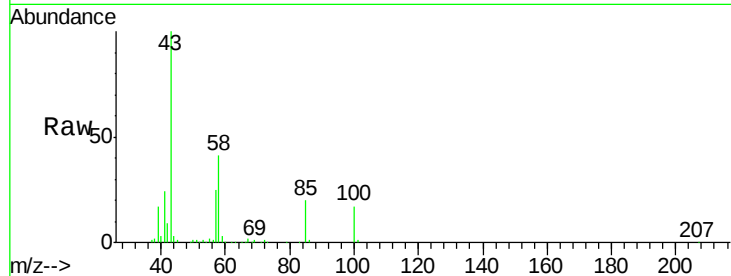
58 40.4 29.8 44.8

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

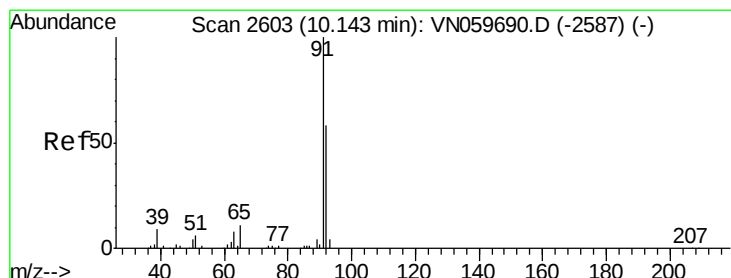
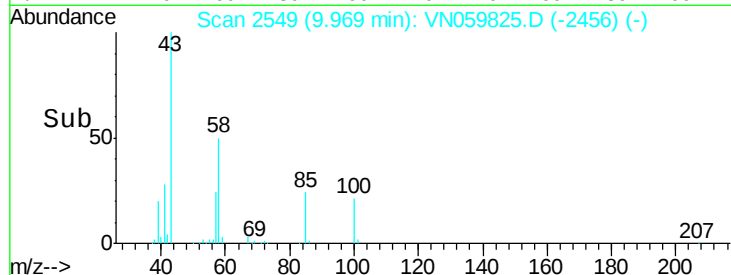
100000

50000

0

9.90 9.97 10.00

Time-->



#52

Toluene

Concen: 19.899 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059825.D

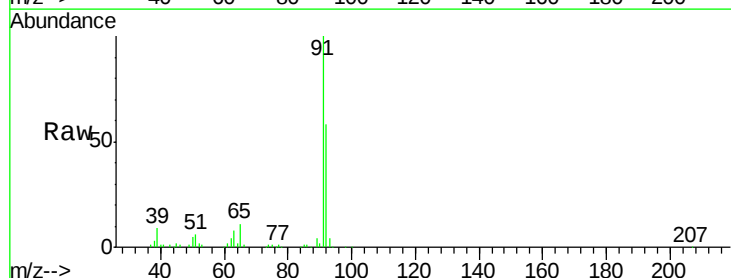
Acq: 22 Jan 2020 12:26

Tgt Ion: 92 Resp: 103589

Ion Ratio Lower Upper

92 100

91 173.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

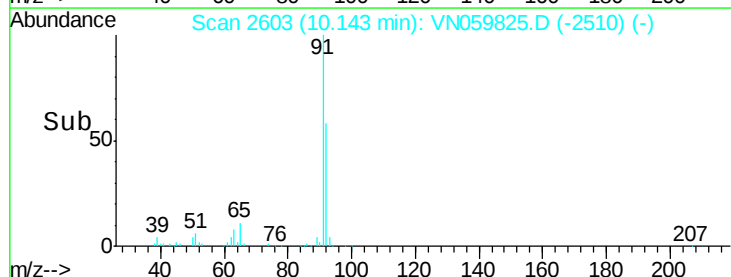
40000

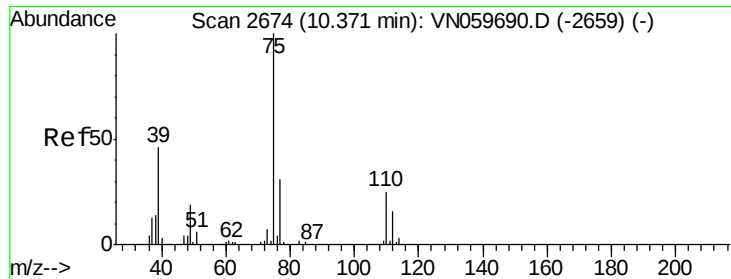
20000

0

10.05 10.10 10.14 10.20

Time-->





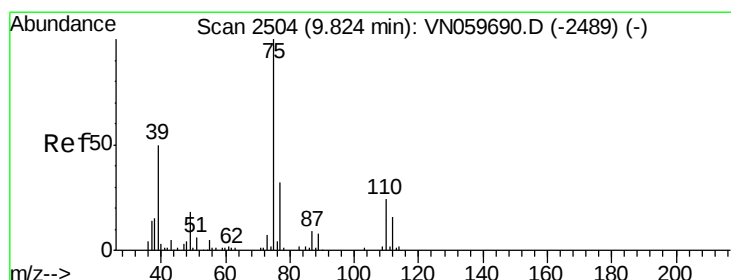
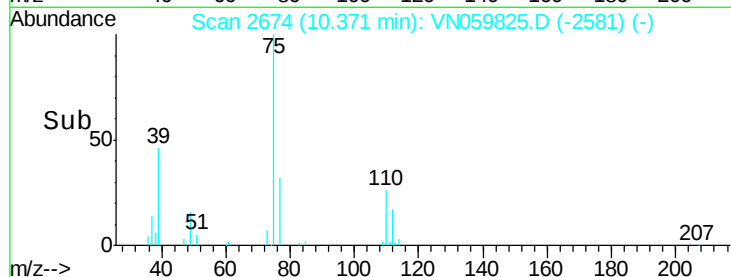
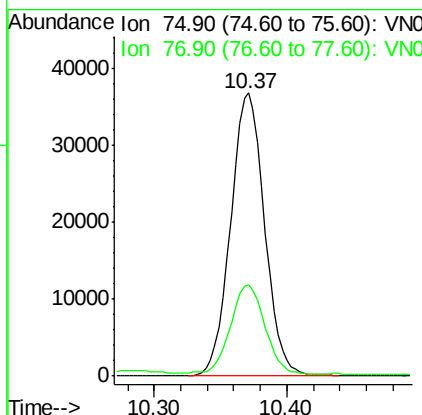
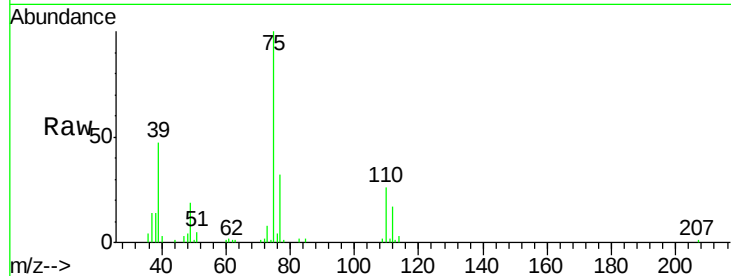
#53
t-1,3-Dichloropropene
Concen: 20.184 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion: 75 Resp: 65335
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

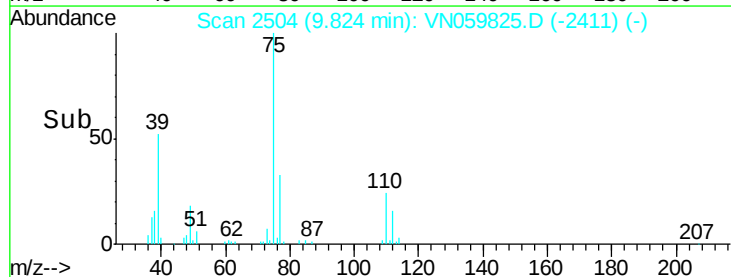
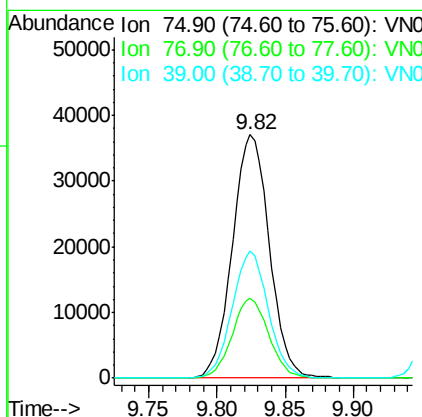
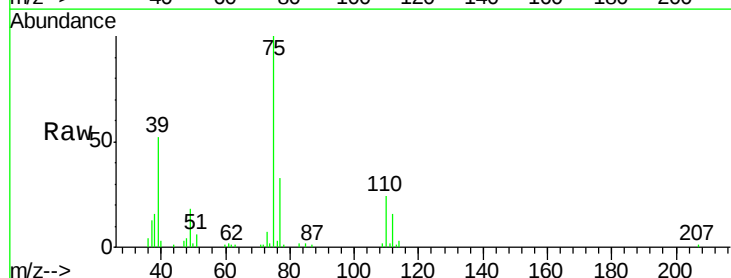
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1/24/2020 10:14:37 AM



#54
cis-1,3-Dichloropropene
Concen: 20.501 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion: 75 Resp: 69823
Ion Ratio Lower Upper
75 100
77 32.6 25.1 37.7
39 52.0 46.1 69.1





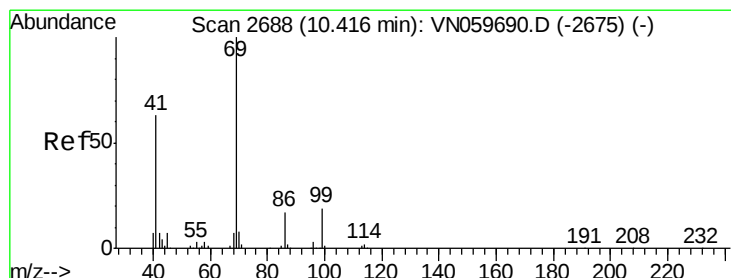
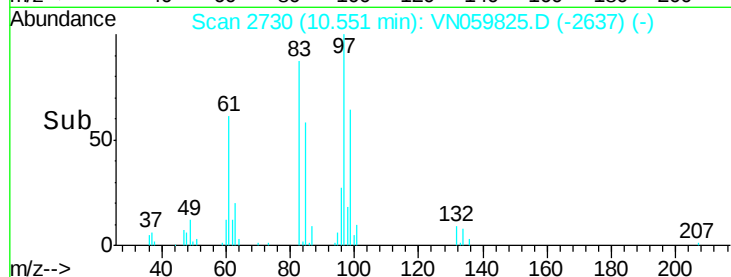
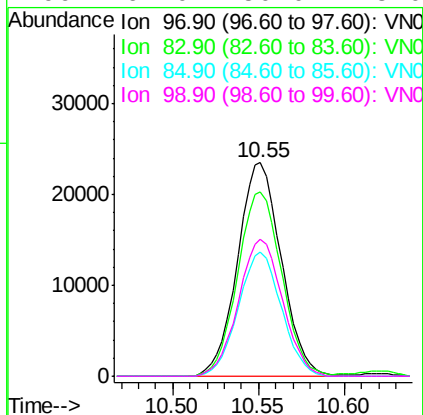
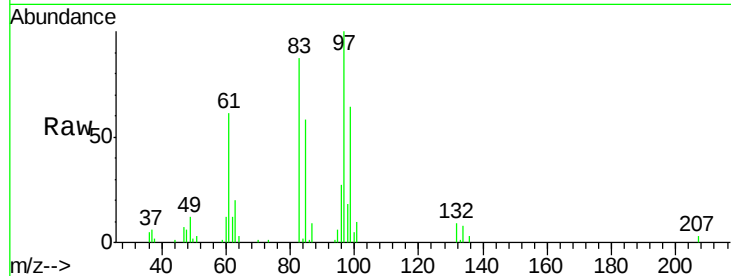
#55
 1,1,2-Trichloroethane
 Concen: 20.115 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion:	97	Resp:	41472
Ion	Ratio	Lower	Upper
97	100		
83	86.6	71.3	106.9
85	58.0	45.8	68.8
99	64.0	50.0	75.0

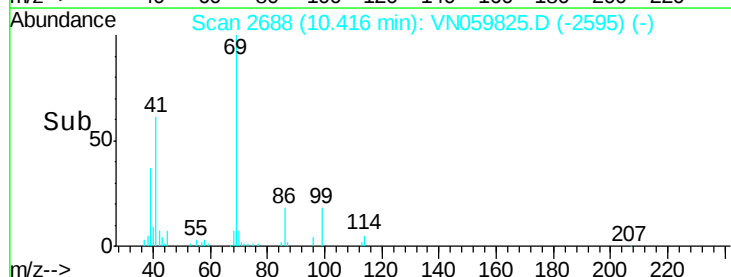
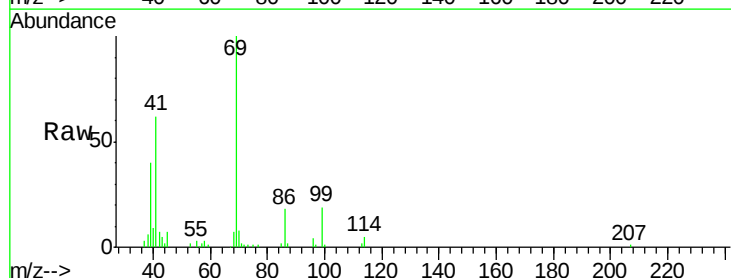
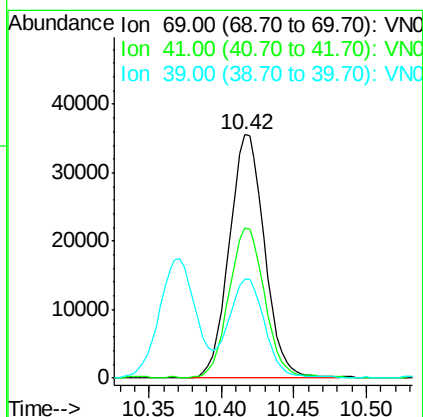
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 1/24/2020 10:14:37 AM



#56
 Ethyl methacrylate
 Concen: 19.097 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion:	69	Resp:	60163
Ion	Ratio	Lower	Upper
69	100		
41	63.1	57.1	85.7
39	40.6	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.321 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 76 Resp: 69788

Ion Ratio Lower Upper

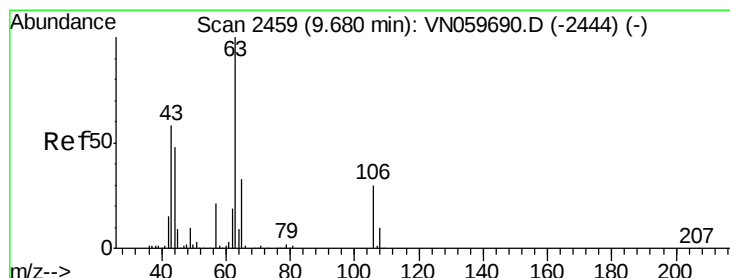
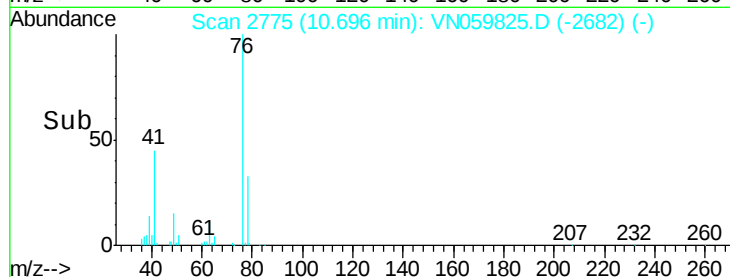
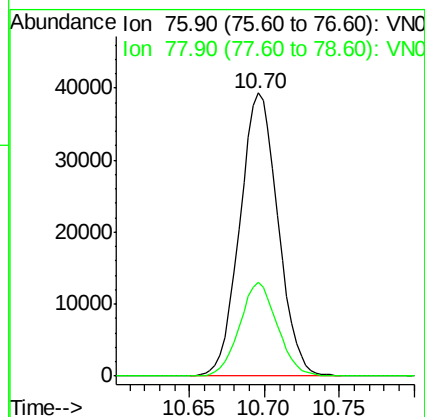
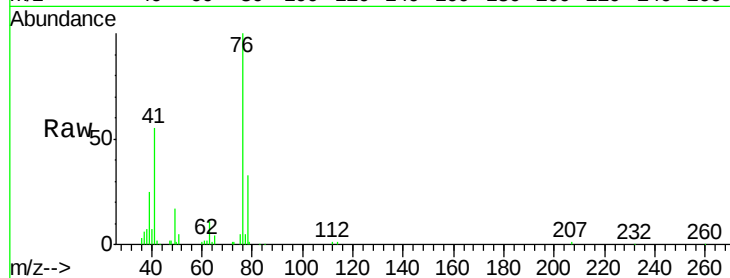
76 100

78 32.6 25.8 38.8

Manual Integrations
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1/24/2020 10:14:37 AM



#58

2-Chloroethyl Vinyl ether

Concen: 111.694 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059825.D

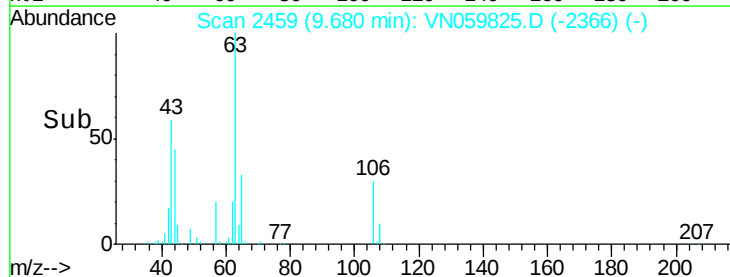
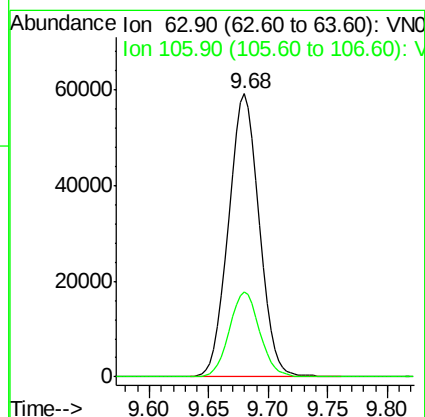
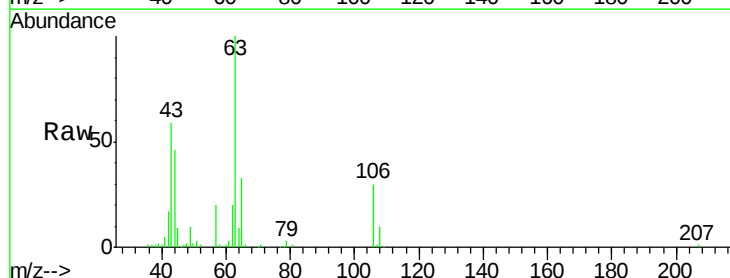
Acq: 22 Jan 2020 12:26

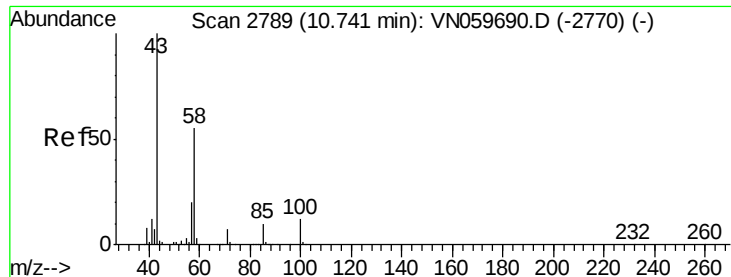
Tgt Ion: 63 Resp: 105985

Ion Ratio Lower Upper

63 100

106 29.5 20.2 30.2





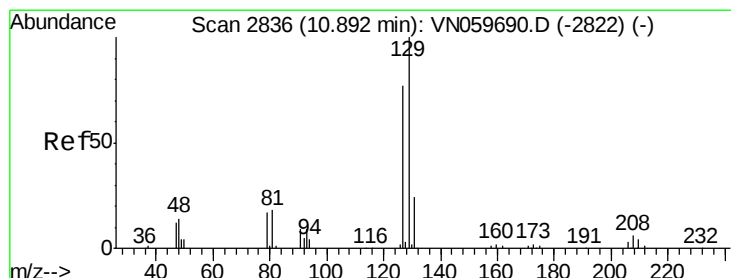
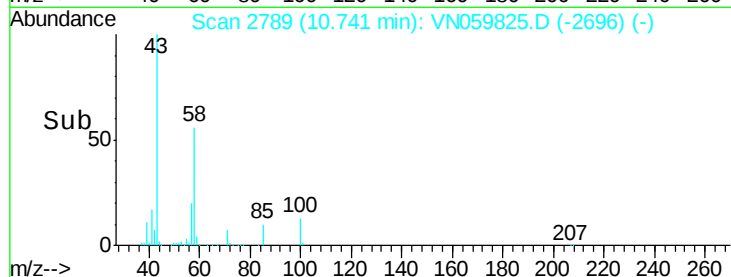
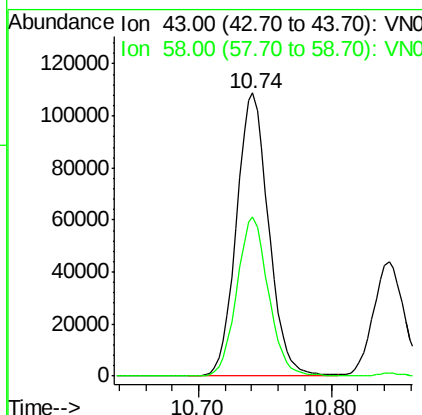
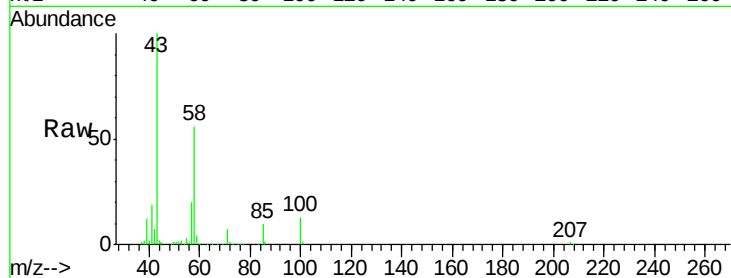
#59
2-Hexanone
Concen: 96.563 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion: 43 Resp: 183326
Ion Ratio Lower Upper
43 100
58 55.3 25.8 77.3

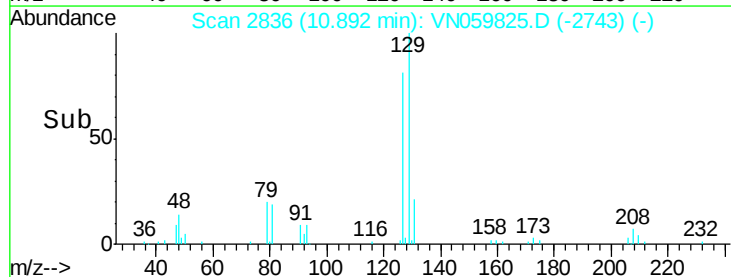
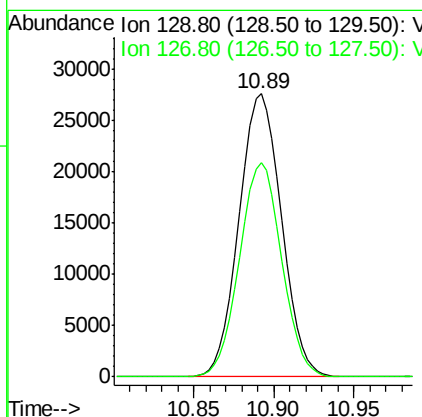
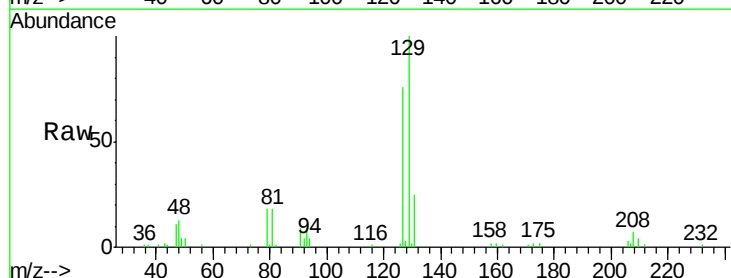
Manual Integrations
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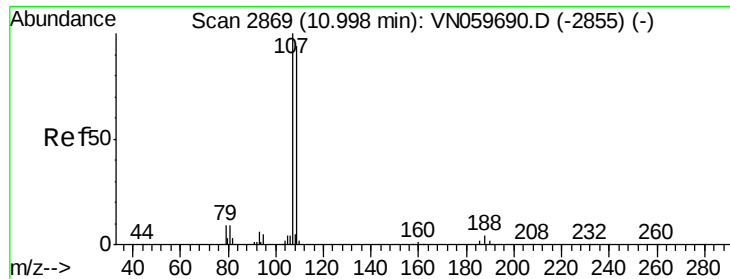
MMDadoda
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#60
Dibromochloromethane
Concen: 21.347 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion: 129 Resp: 50119
Ion Ratio Lower Upper
129 100
127 75.1 38.5 115.5





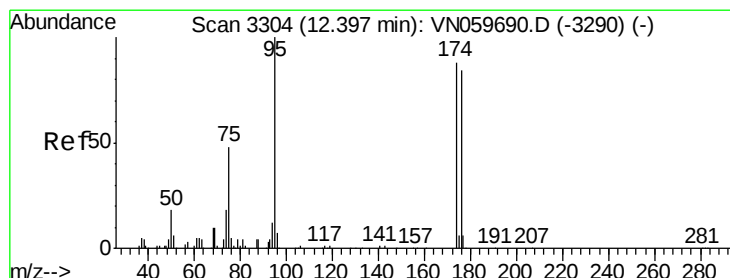
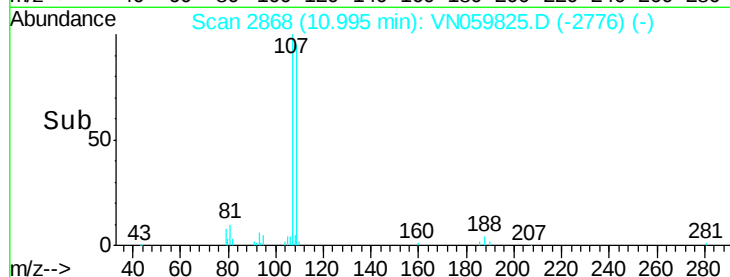
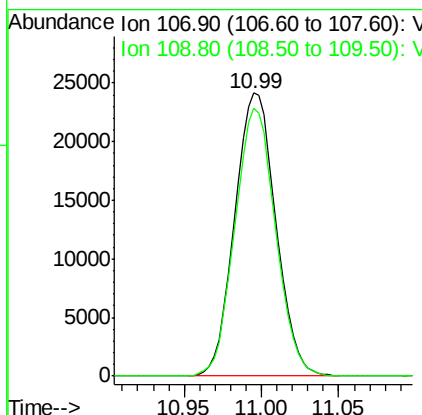
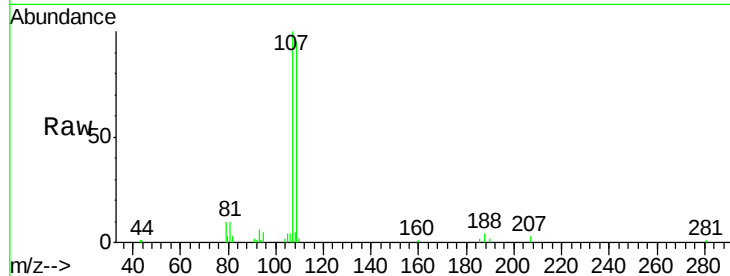
#61
 1,2-Dibromoethane
 Concen: 20.646 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	76.6	115.0

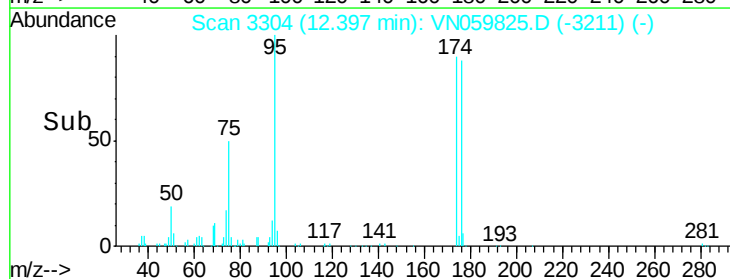
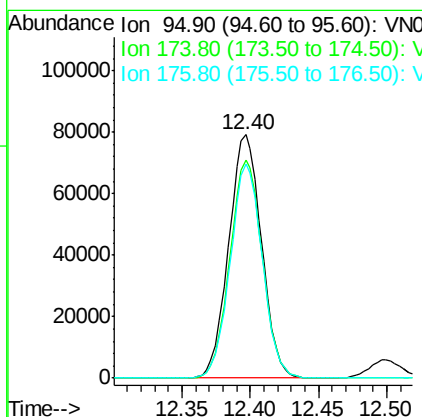
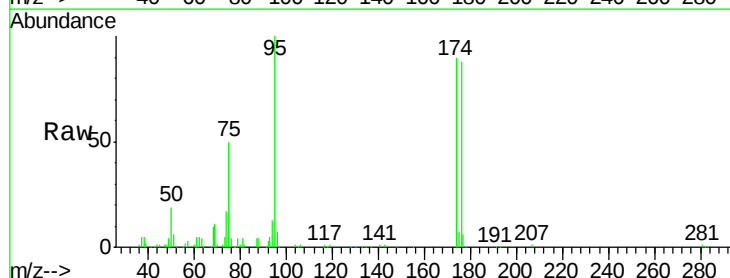
Manual Integrations
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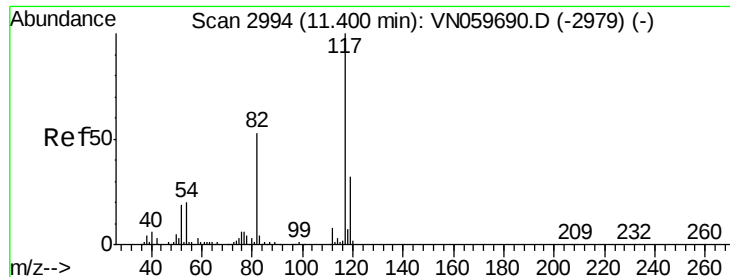
MMDadoda
 1/24/2020 10:14:37 AM



#62
 4-Bromofluorobenzene
 Concen: 49.969 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	151.4
176	86.0	0.0	146.0





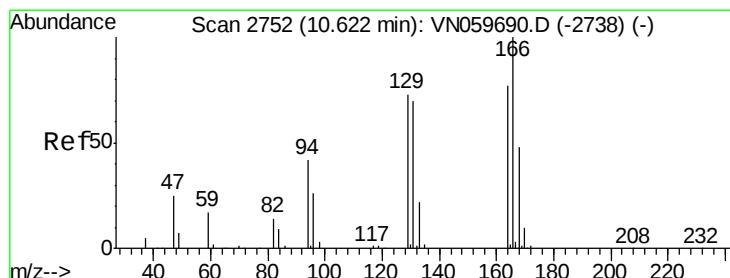
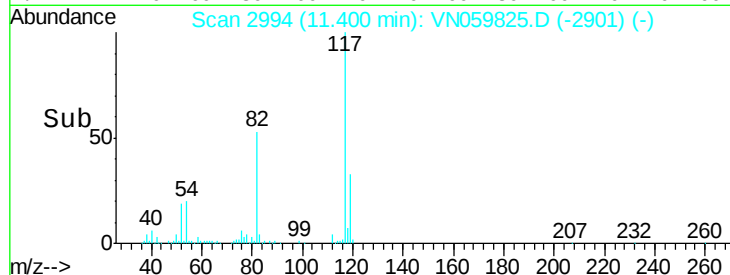
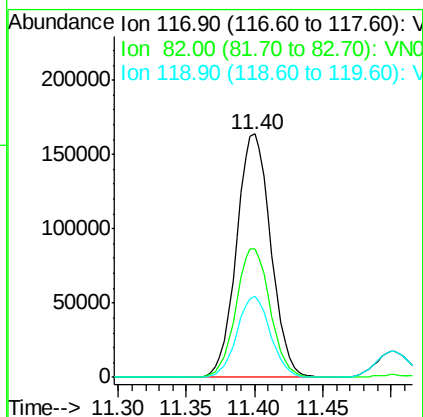
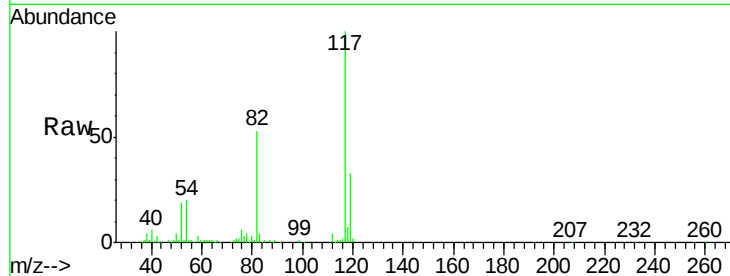
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.9	68.9
119	33.1	25.5	38.3

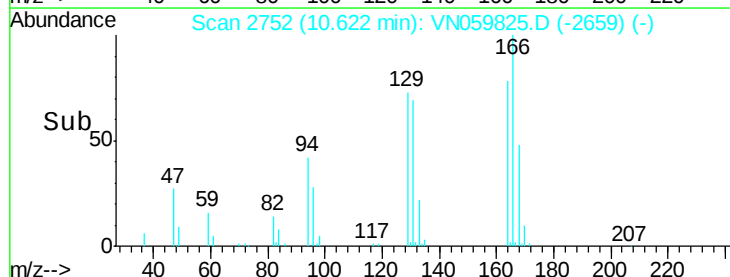
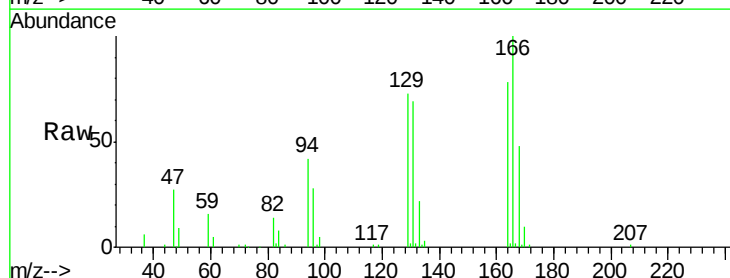
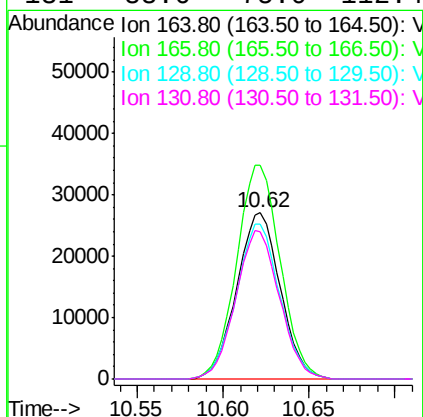
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#64
Tetrachloroethene
Concen: 20.427 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.4	152.0
129	93.5	80.2	120.4
131	88.6	75.0	112.4





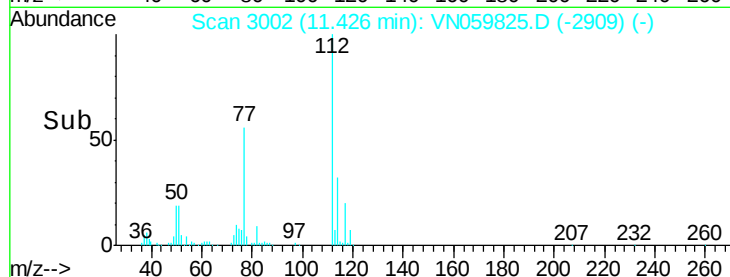
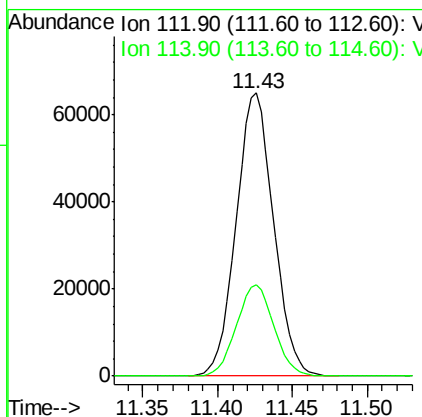
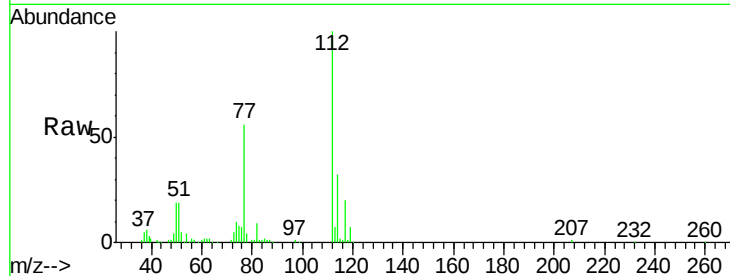
#65
Chlorobenzene
Concen: 20.170 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion:112 Resp: 113077
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8

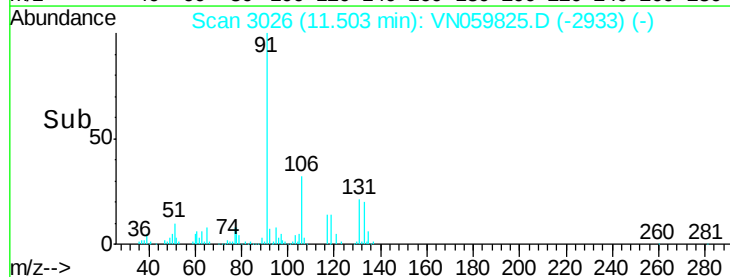
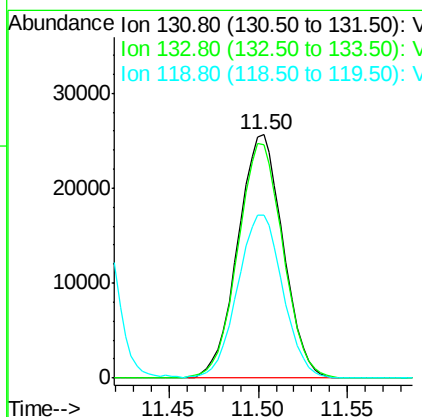
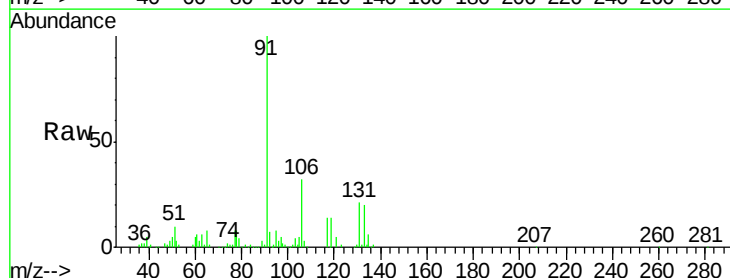
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.921 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion:131 Resp: 45320
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 67.3 33.1 99.3





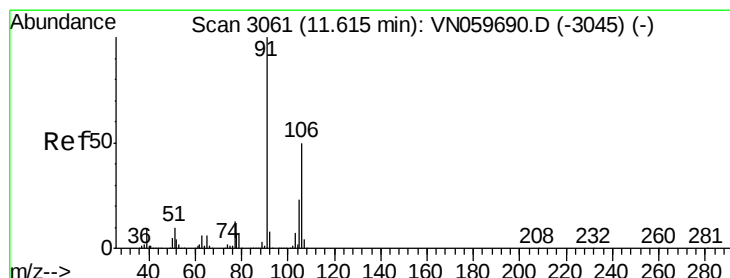
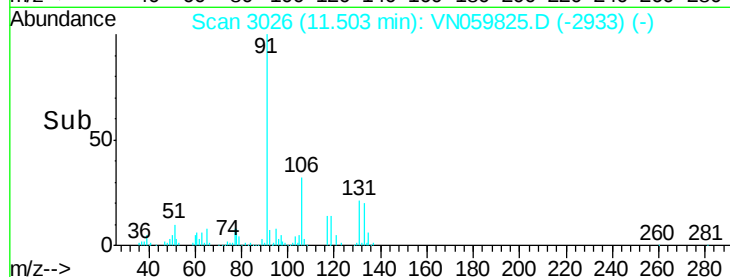
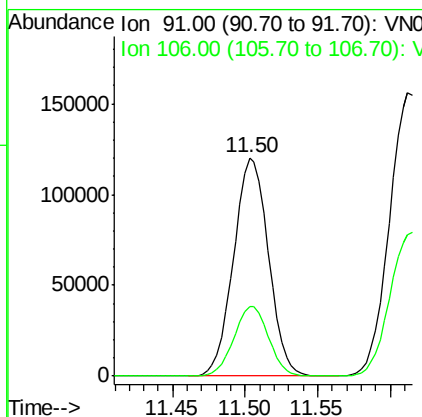
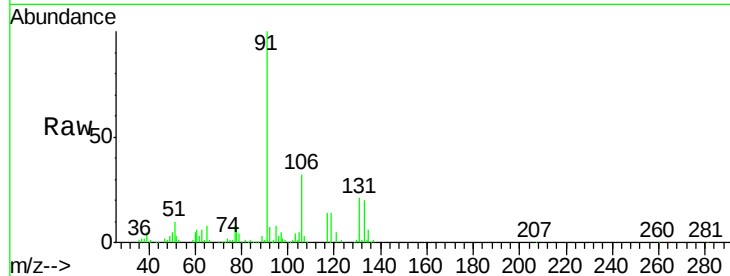
#67
Ethyl Benzene
Concen: 19.765 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion: 91 Resp: 201150
Ion Ratio Lower Upper
91 100
106 32.1 24.1 36.1

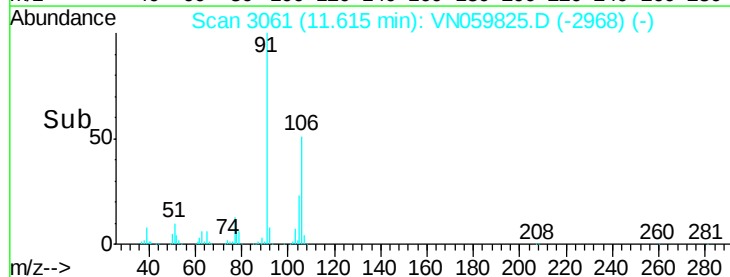
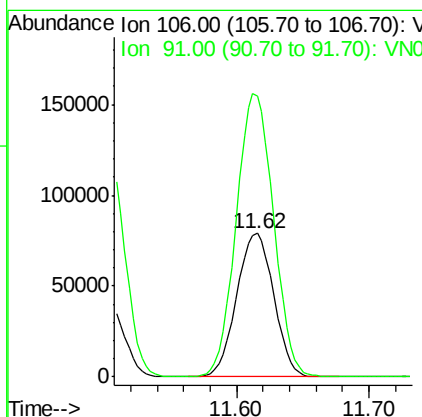
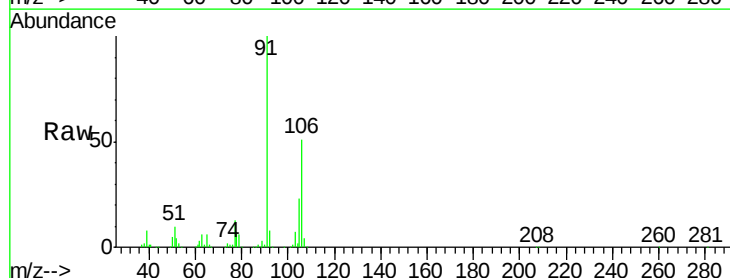
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#68
m/p-Xylenes
Concen: 40.030 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion: 106 Resp: 153887
Ion Ratio Lower Upper
106 100
91 196.9 167.9 251.9





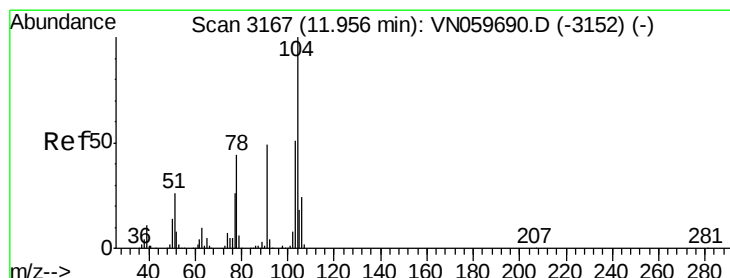
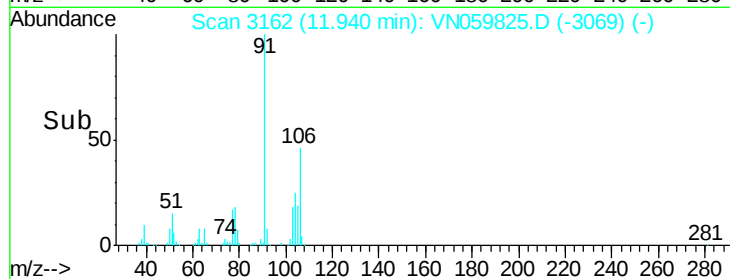
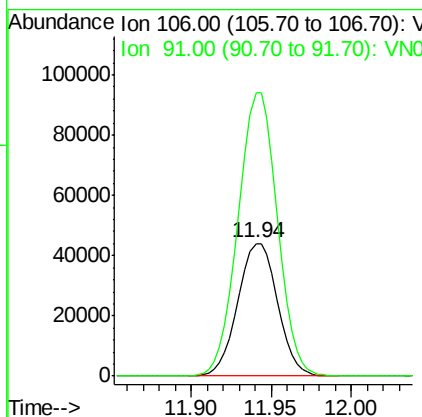
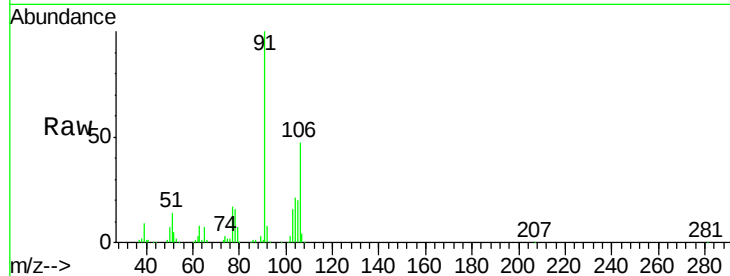
#69
o-Xylene
Concen: 19.823 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion:106 Resp: 74605
Ion Ratio Lower Upper
106 100
91 211.1 110.3 330.9

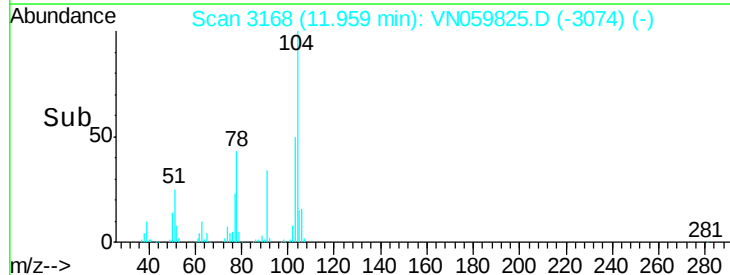
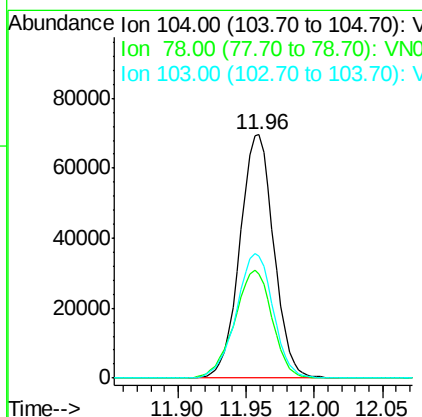
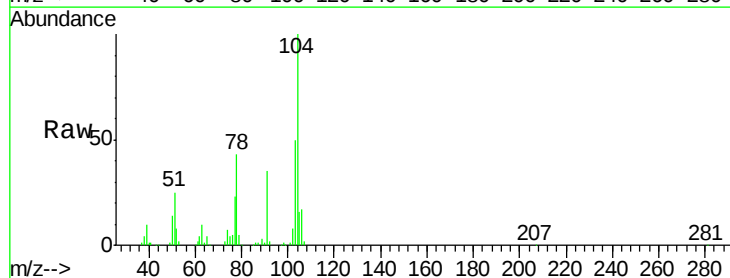
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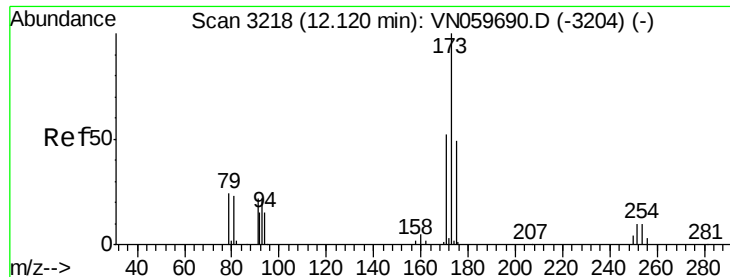
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#70
Styrene
Concen: 19.111 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion:104 Resp: 120360
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 55.5 43.9 65.9





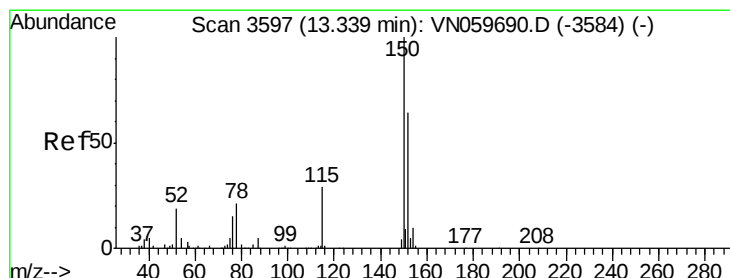
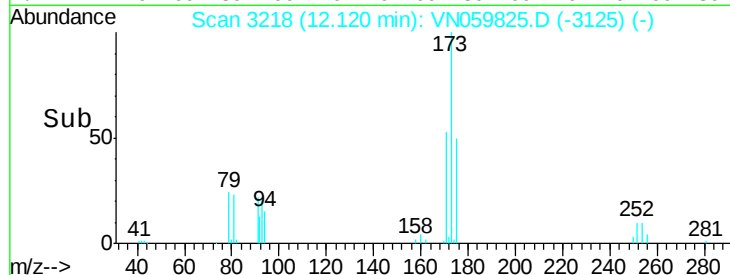
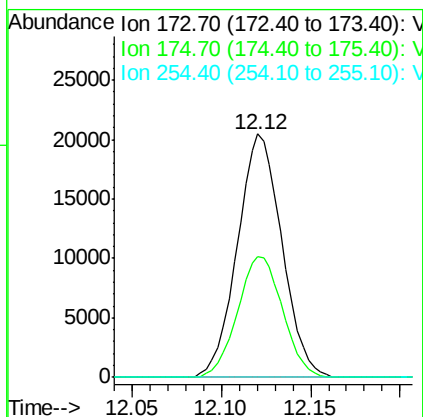
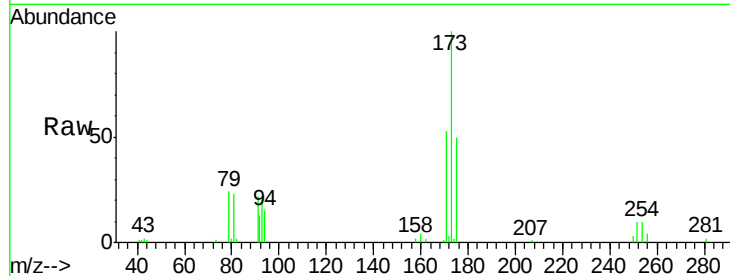
#71
Bromoform
Concen: 20.512 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.8	71.4
254	0.0	0.0	0.0

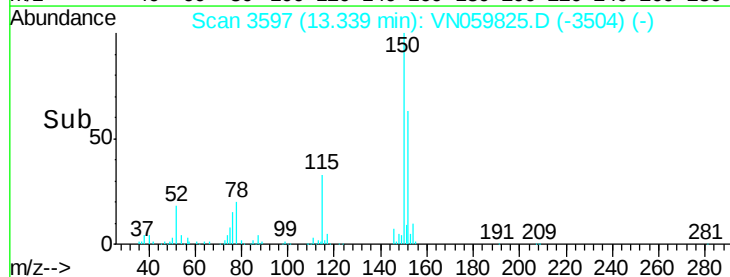
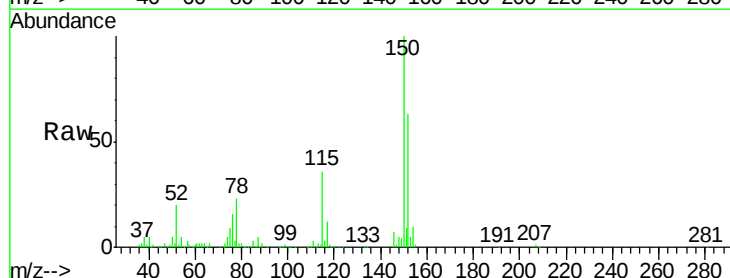
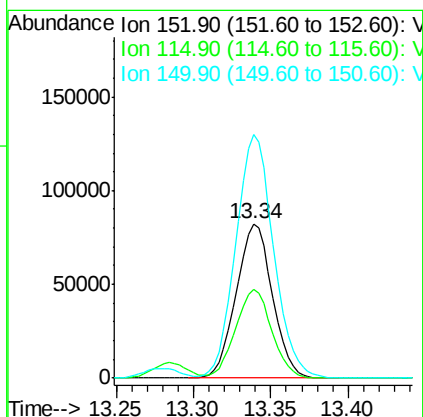
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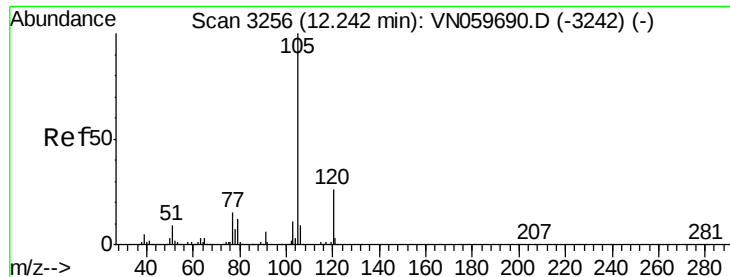
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	30.3	90.9
150	164.9	0.0	345.2





#73

Isopropylbenzene

Concen: 20.557 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampled :

VN0122MBS01

Tot Ion: 105 Resp: 201513

Ion Ratio Lower Upper

105 100

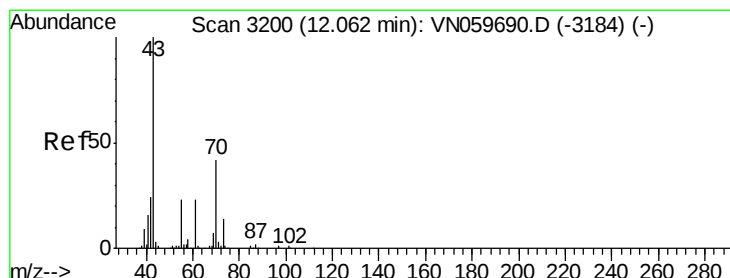
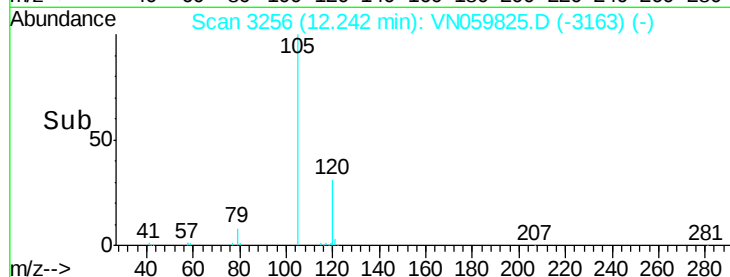
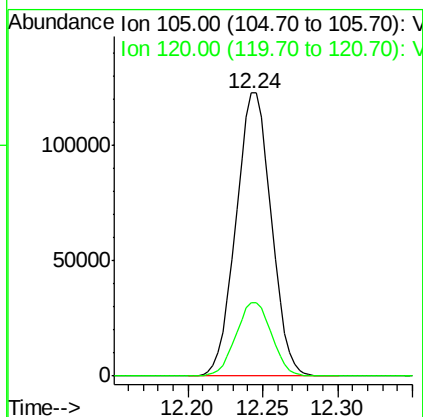
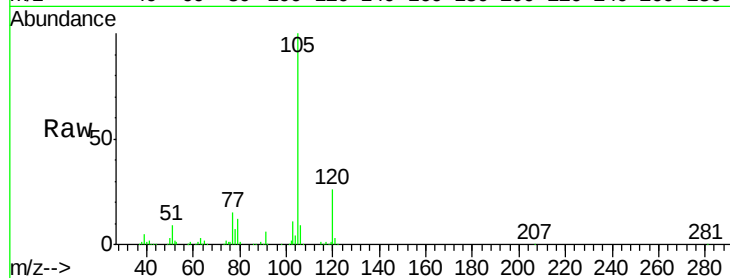
120 26.3 13.2 39.5

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#74

N-ethyl acetate

Concen: 18.477 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion: 43 Resp: 70284

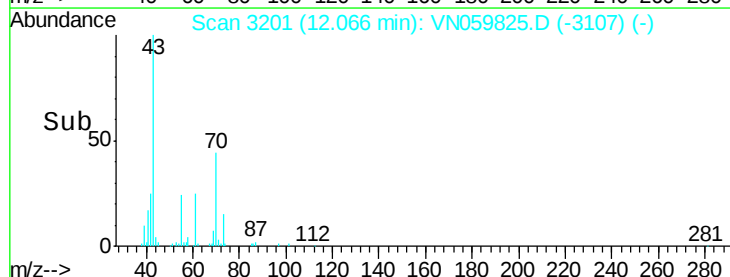
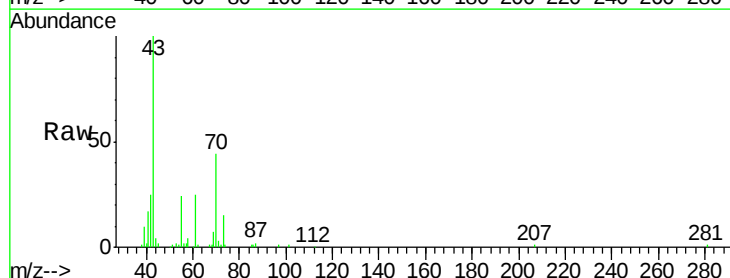
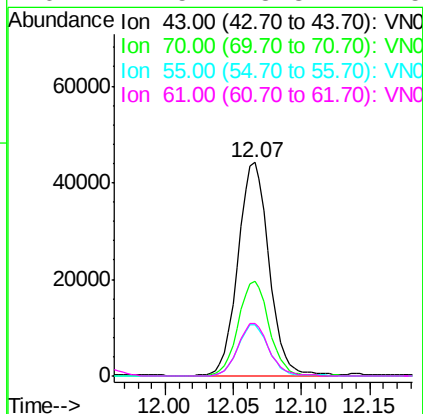
Ion Ratio Lower Upper

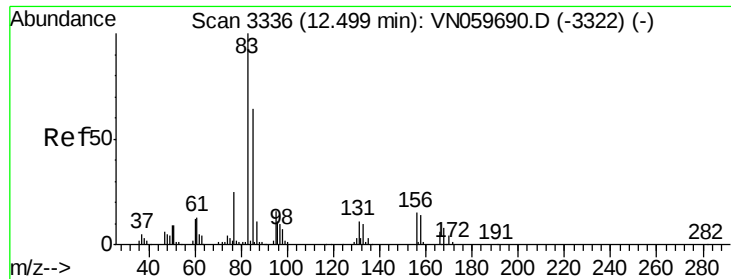
43 100

70 43.9 31.3 46.9

55 24.0 19.8 29.6

61 24.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.262 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

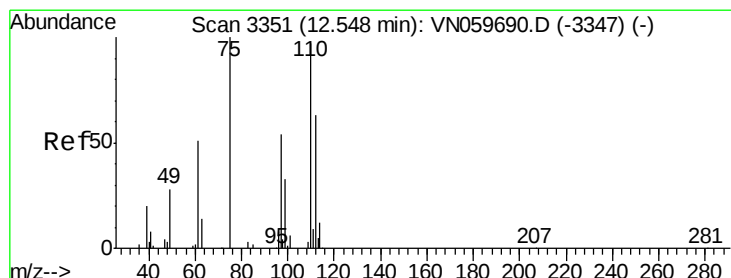
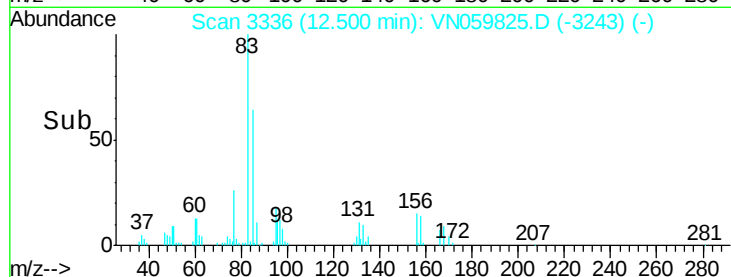
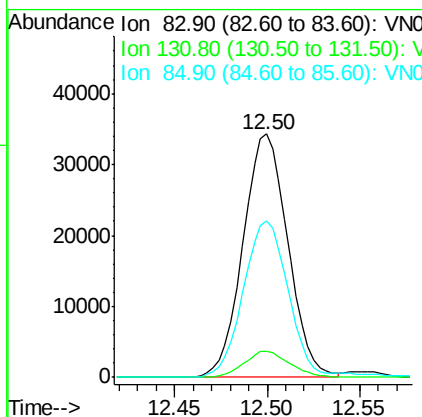
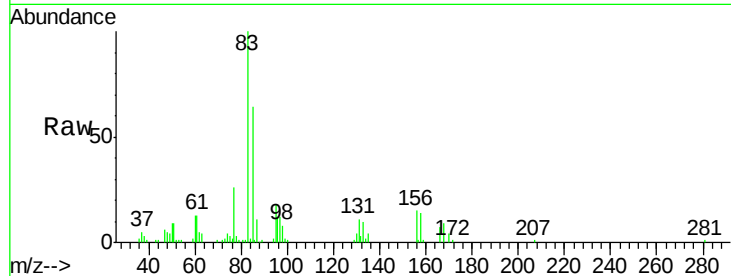
ClientSampleId :

VN0122MBS01

Tot Ion:	83	Resp:	57582
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	63.9	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 23.355 ug/l m

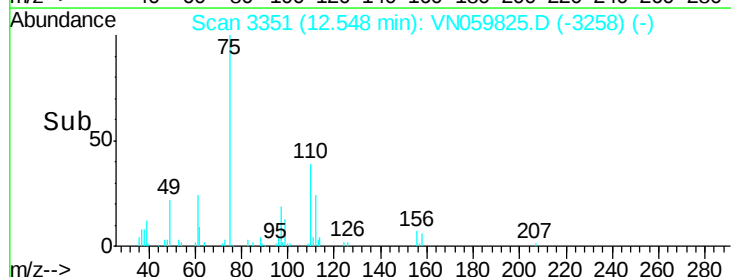
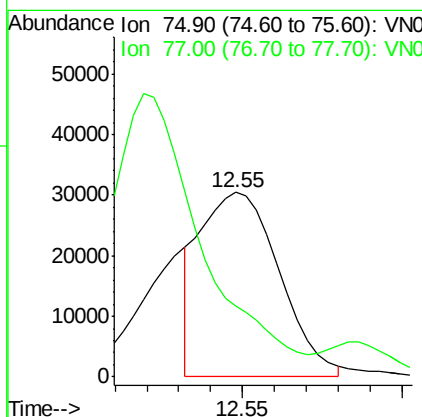
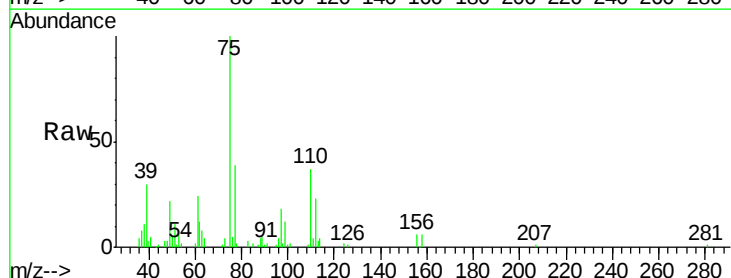
RT: 12.55 min Scan# 3351

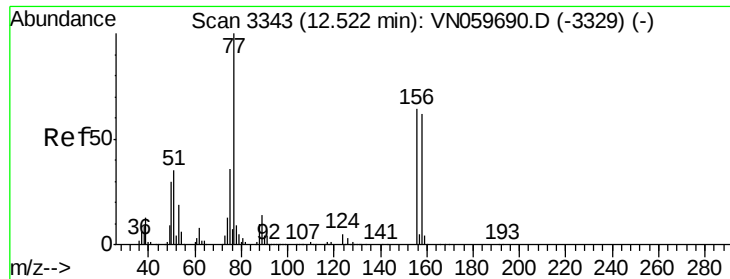
Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion:	75	Resp:	52534
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.483 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

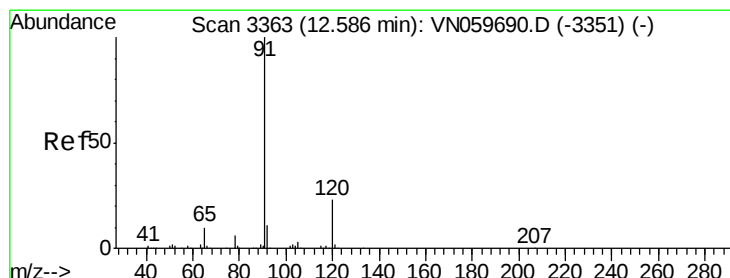
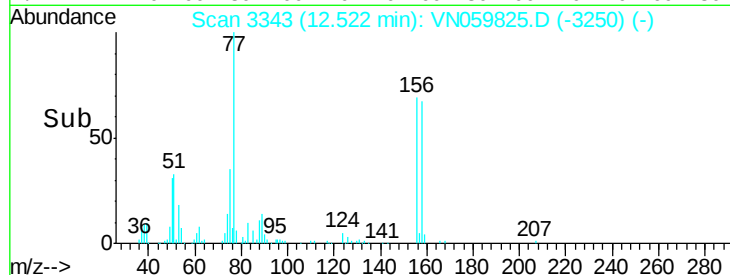
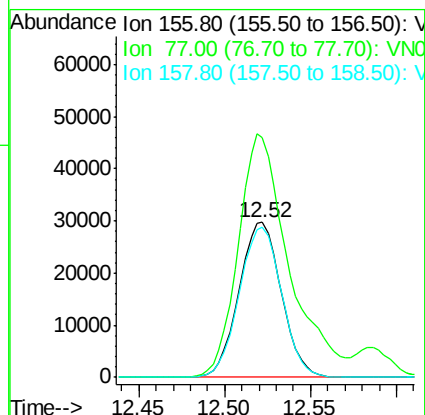
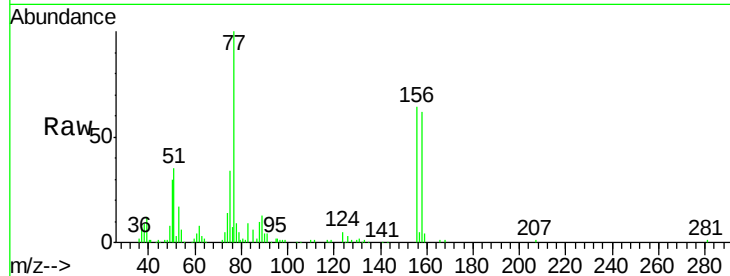
ClientSampleId :

VN0122MBS01

Tot Ion:	156	Resp:	50847
Ion Ratio	Lower	Upper	
156	100		
77	187.8	115.8	347.4
158	97.2	49.2	147.6

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#78

n-propylbenzene

Concen: 20.267 ug/l

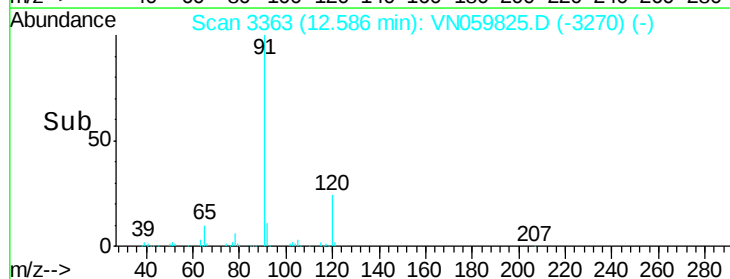
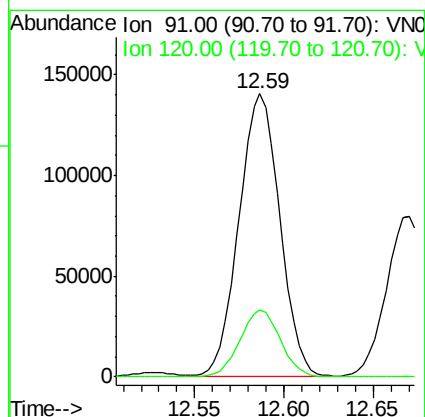
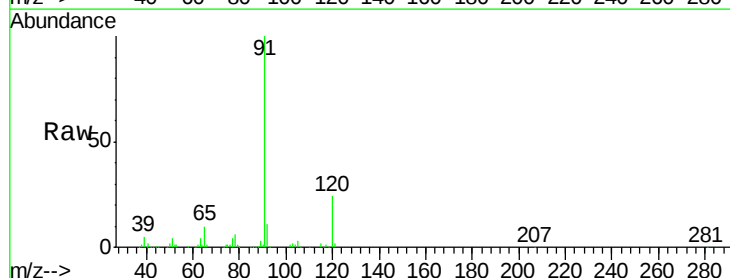
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion:	91	Resp:	222988
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3





#79

2-Chlorotoluene

Concen: 20.003 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

ClientSampleId :

VN0122MBS01

Tot Ion: 91 Resp: 130928

Ion Ratio Lower Upper

91 100

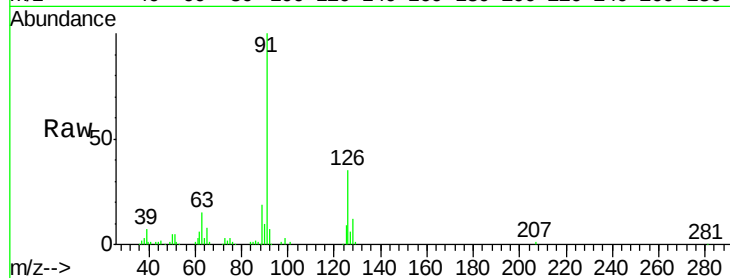
126 35.3 16.3 48.9

Manual Integrations

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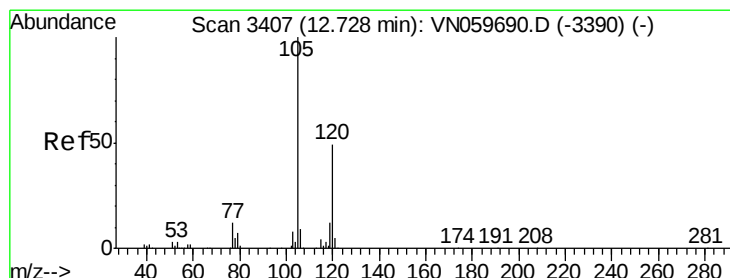
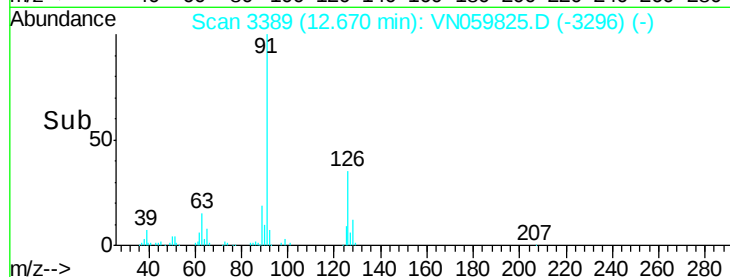
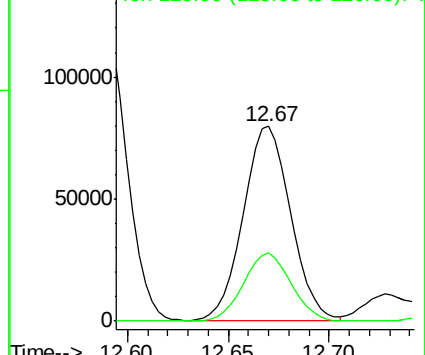
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Abundance Ion 91.00 (90.70 to 91.70): VN059825.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN059825.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.246 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059825.D

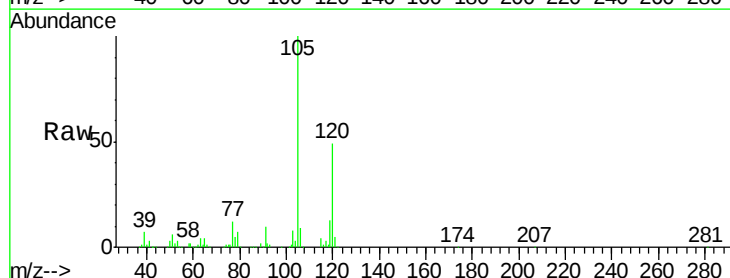
Acq: 22 Jan 2020 12:26

Tgt Ion: 105 Resp: 166912

Ion Ratio Lower Upper

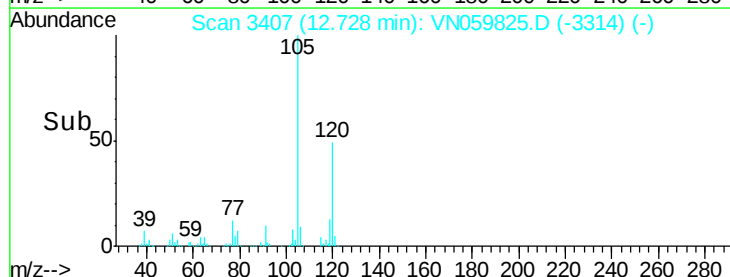
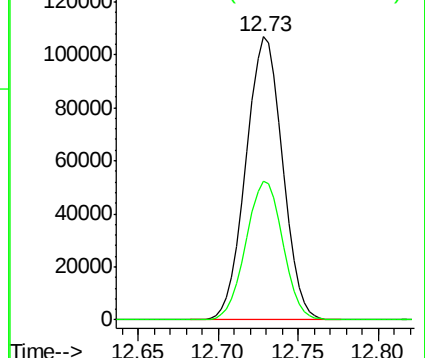
105 100

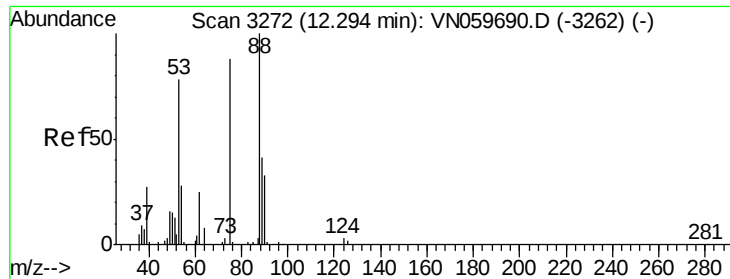
120 49.3 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059825.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059825.D (-3314) (-)





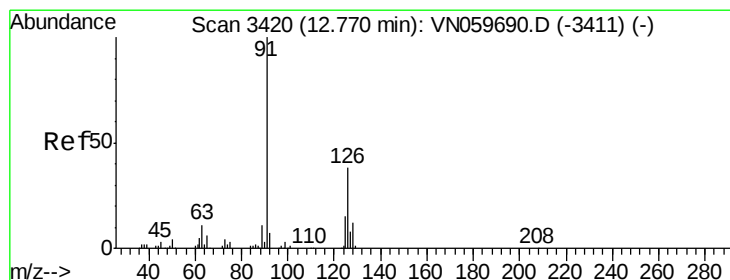
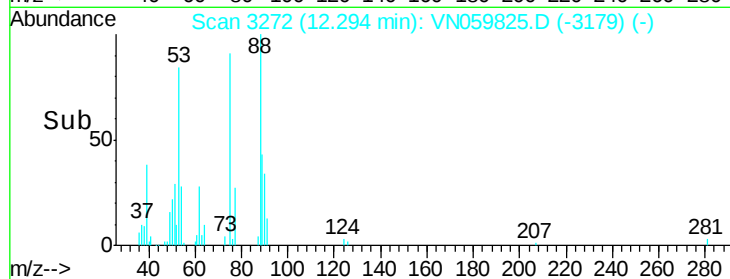
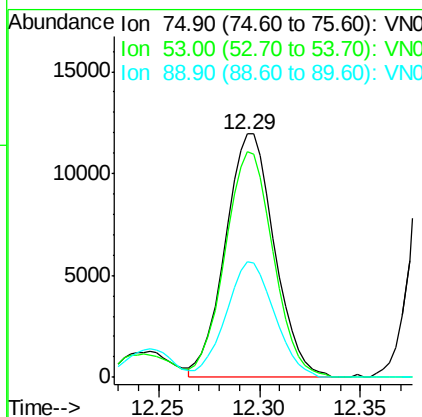
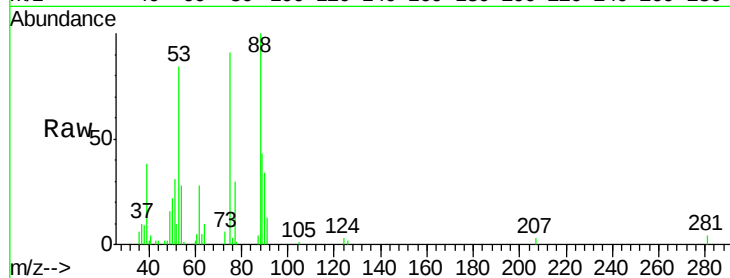
#81
trans-1,4-Dichloro-2-butene
Concen: 19.429 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.0	78.1	117.1
89	47.0	35.4	53.2

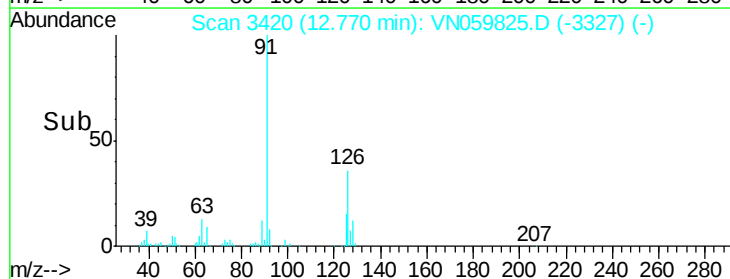
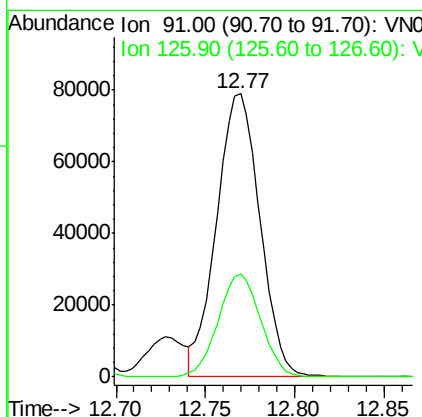
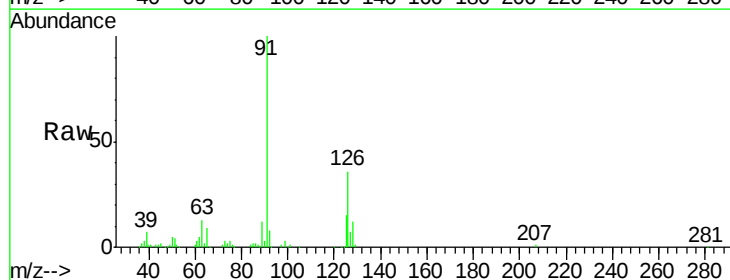
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#82
4-Chlorotoluene
Concen: 20.151 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	16.3	48.8





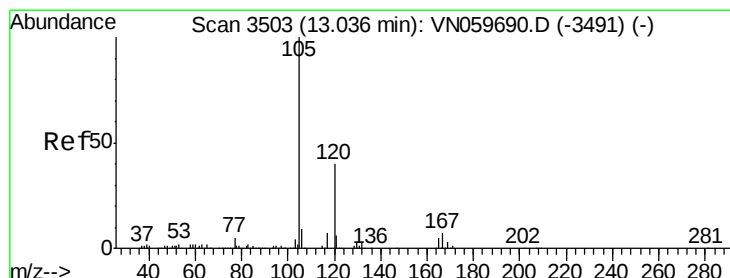
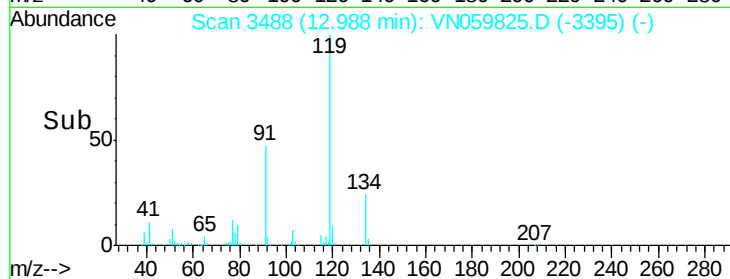
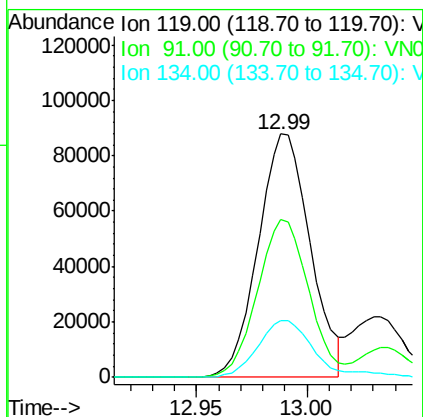
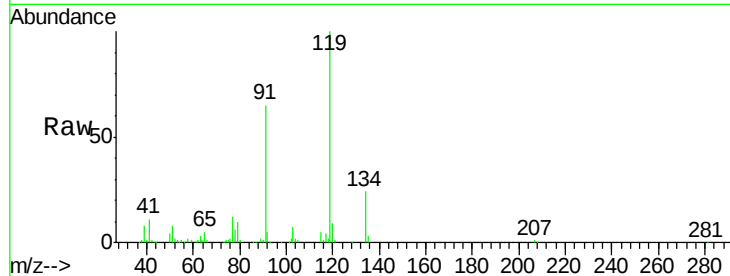
#83
tert-Butylbenzene
Concen: 20.158 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	34.8	104.4
134	25.5	12.3	36.9

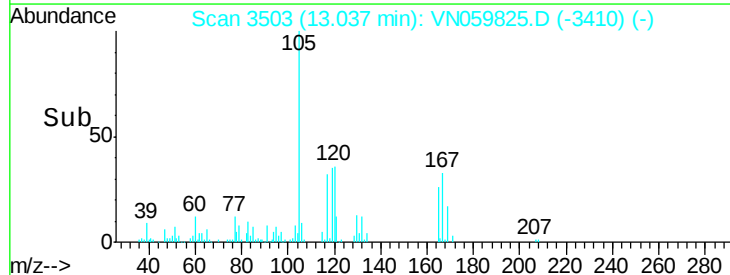
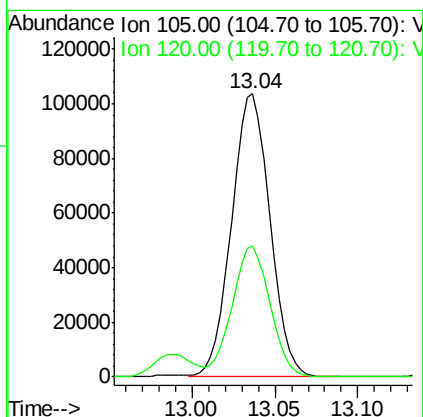
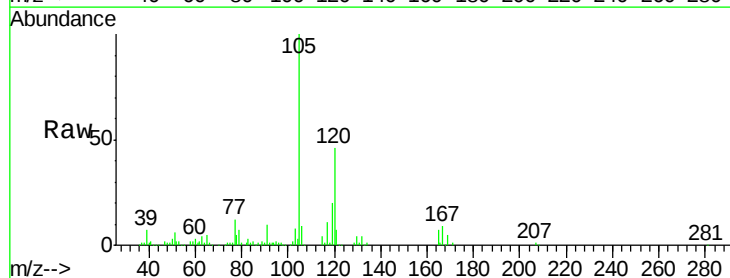
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#84
1,2,4-Trimethylbenzene
Concen: 20.465 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





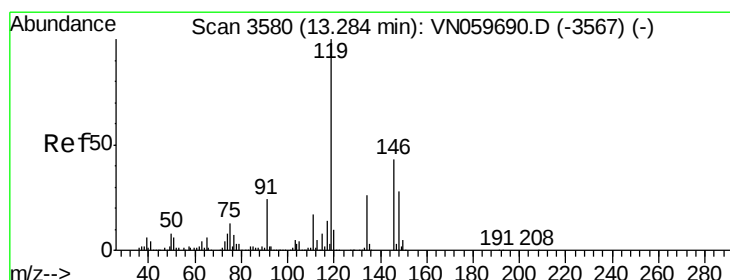
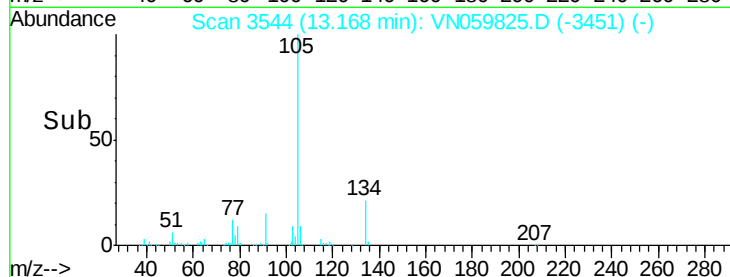
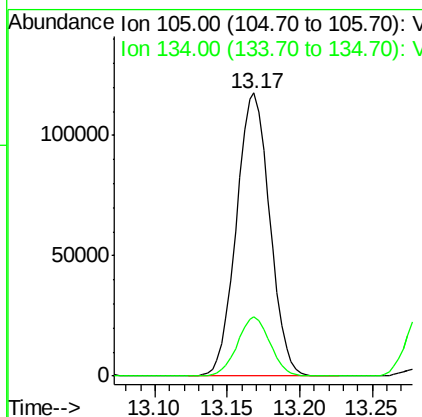
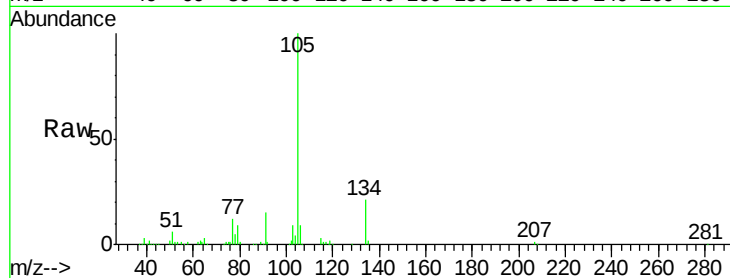
#85
 sec-Butylbenzene
 Concen: 20.072 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	188034		
134	20.4	9.8	29.5	

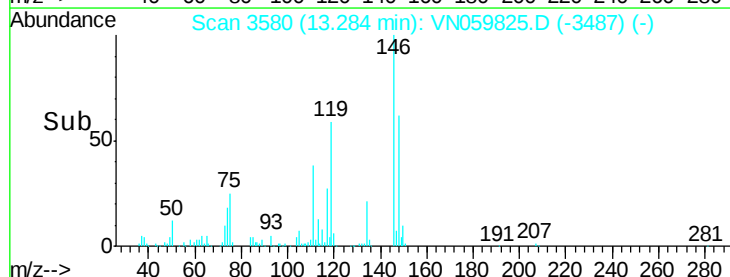
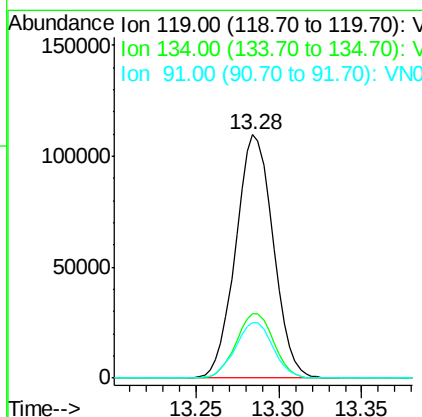
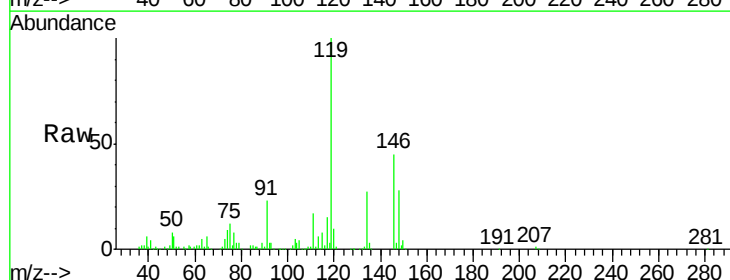
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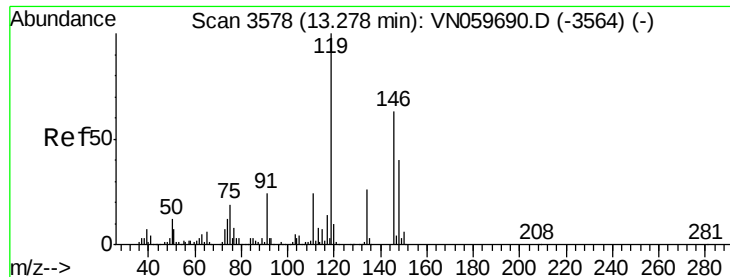
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#86
 p-Isopropyltoluene
 Concen: 20.000 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	173365		
134	26.6	12.9	38.7	
91	23.0	12.4	37.4	





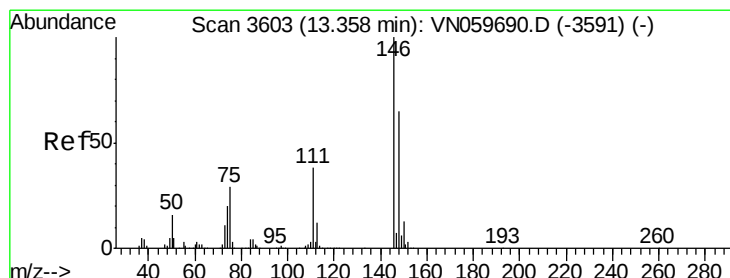
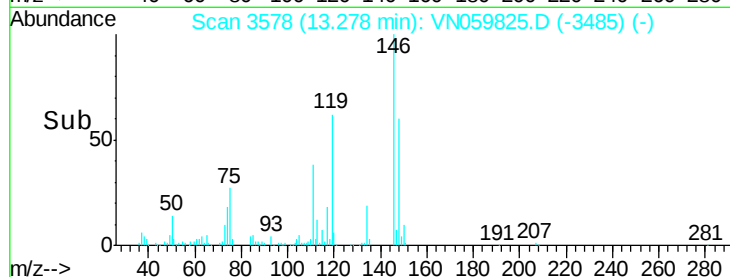
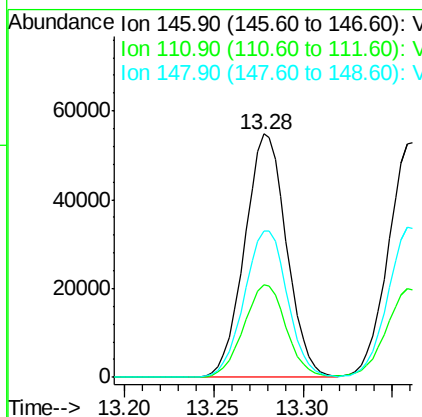
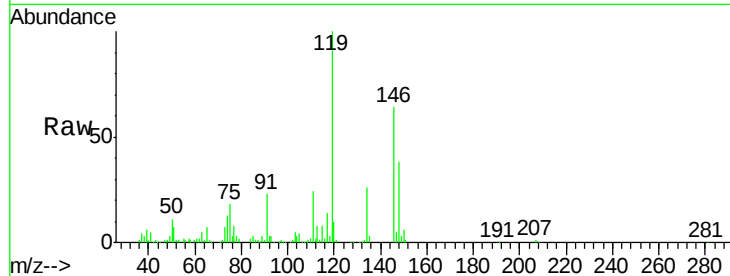
#87
 1,3-Dichlorobenzene
 Concen: 20.854 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.8	62.2
148	61.8	32.0	96.0

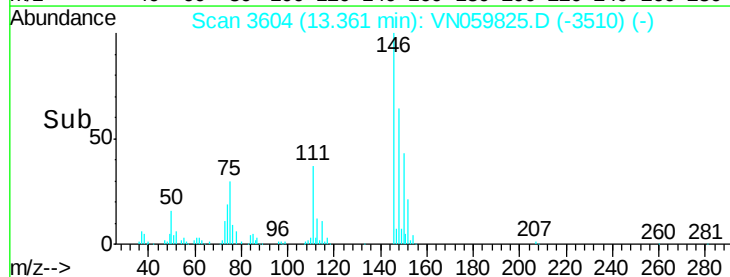
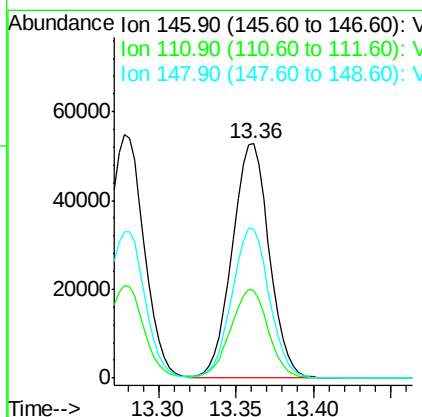
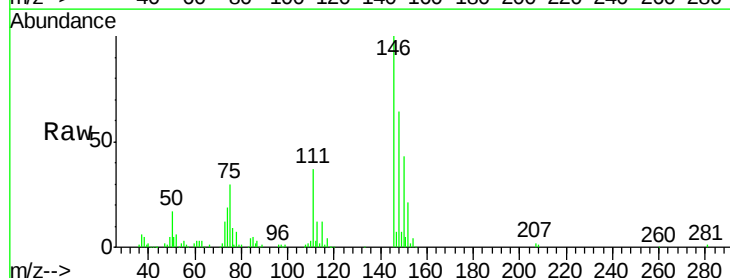
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#88
 1,4-Dichlorobenzene
 Concen: 20.472 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.6	31.8	95.4





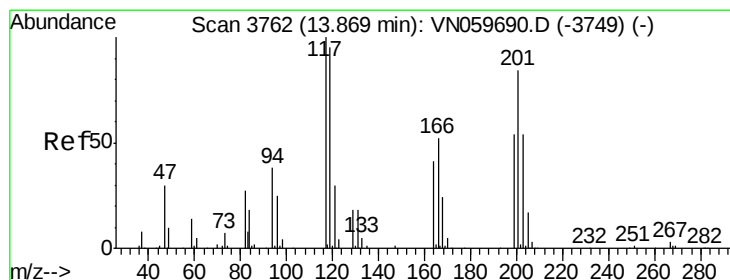
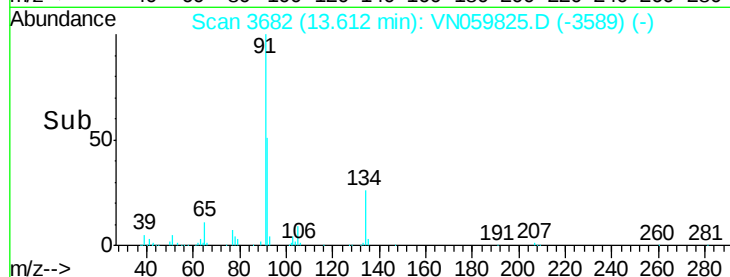
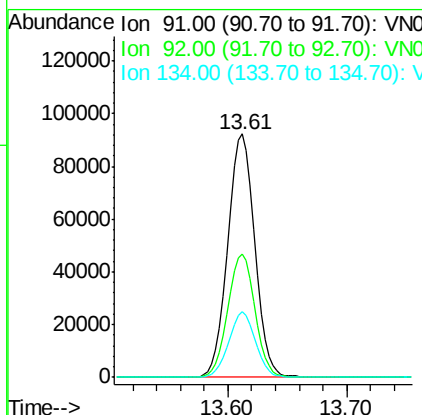
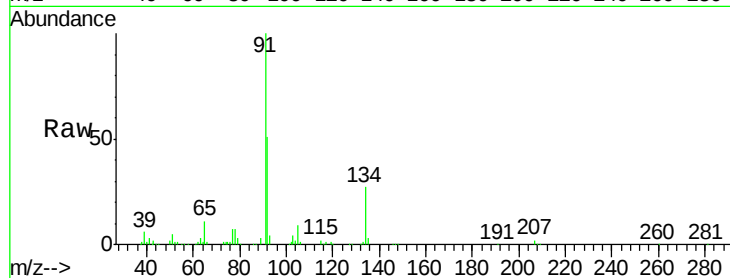
#89
n-Butylbenzene
Concen: 19.678 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Instrument :
MSVOA_N
ClientSampleId :
VN0122MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.7
134	26.6	12.3	36.8

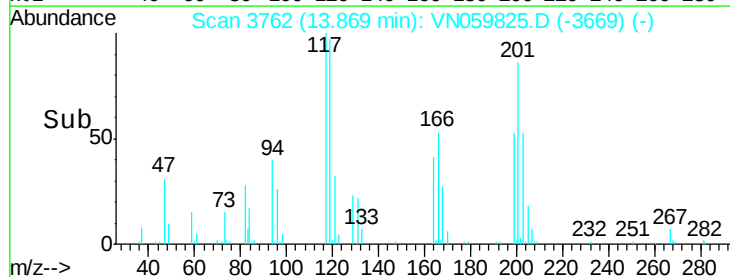
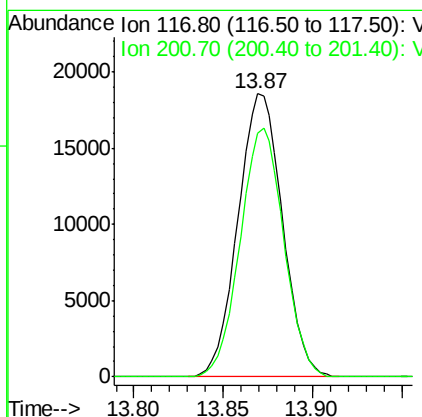
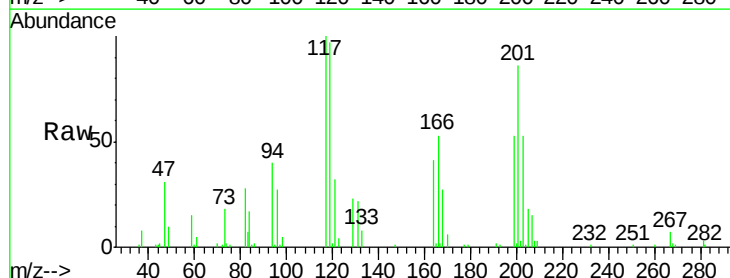
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#90
Hexachloroethane
Concen: 19.969 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059825.D
Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	37.8	113.4





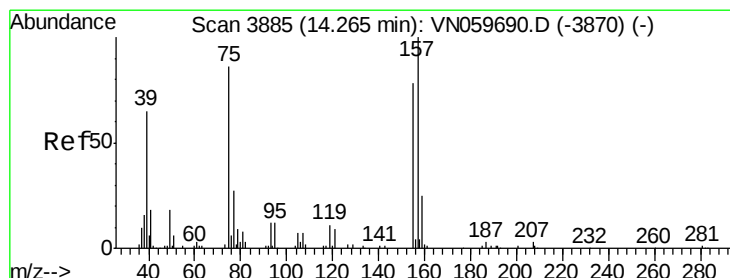
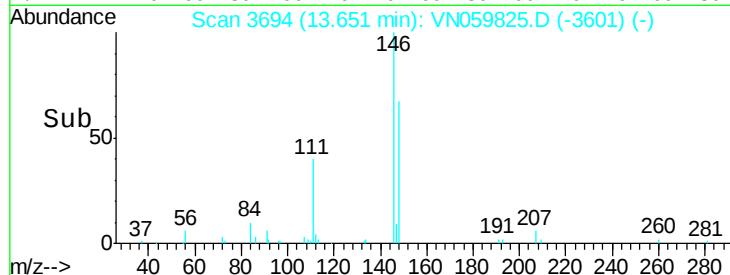
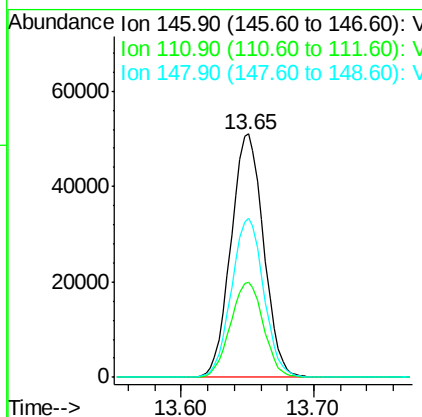
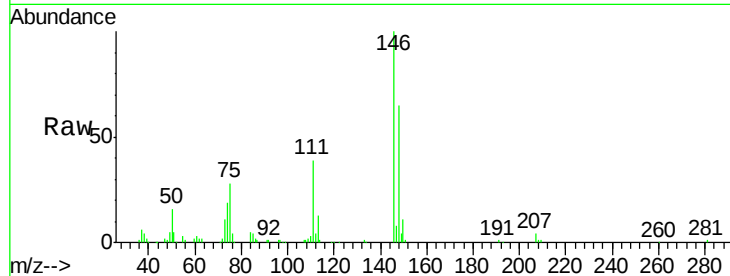
#91
 1,2-Dichlorobenzene
 Concen: 20.491 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	21.6	64.8
148	64.5	31.6	95.0

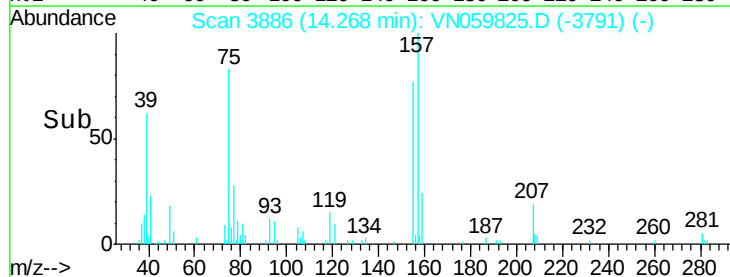
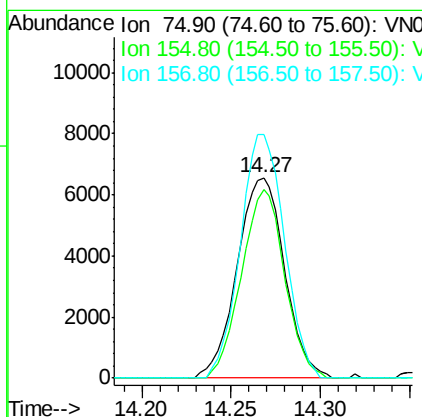
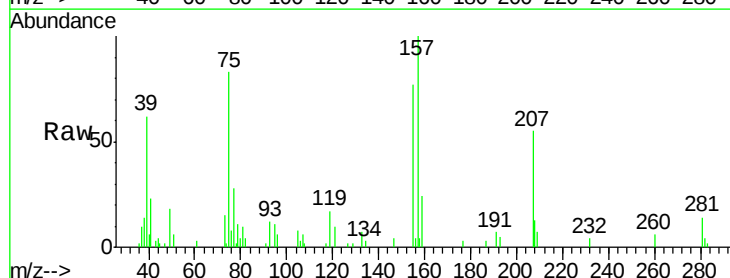
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.608 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	37.0	110.9
157	113.1	48.4	145.2





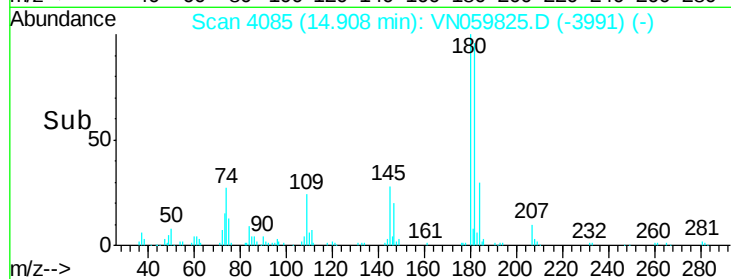
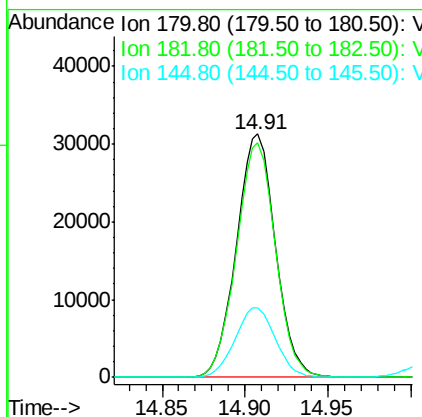
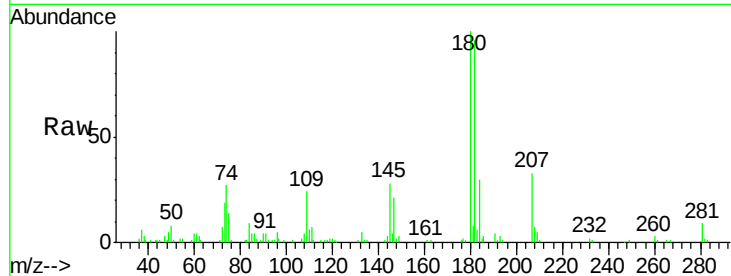
#93
 1,2,4-Trichlorobenzene
 Concen: 20.003 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.7
145	29.6	15.0	45.1

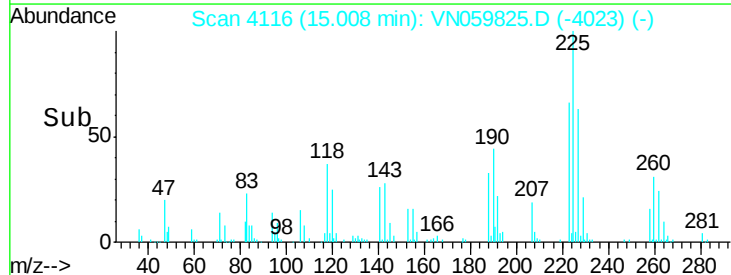
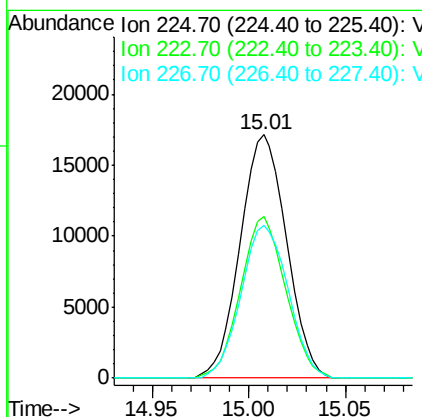
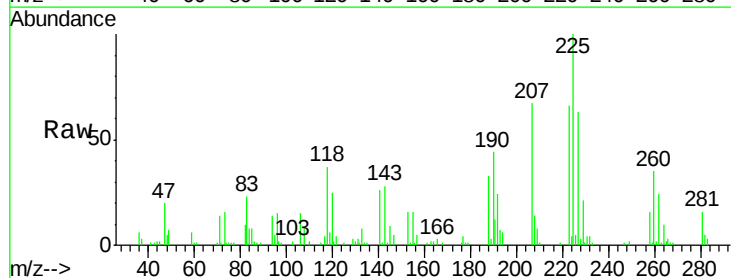
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#94
 Hexachlorobutadiene
 Concen: 20.246 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059825.D
 Acq: 22 Jan 2020 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.8	95.3
227	63.8	32.1	96.5





#95

Naphthalene

Concen: 18.932 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Instrument :

MSVOA_N

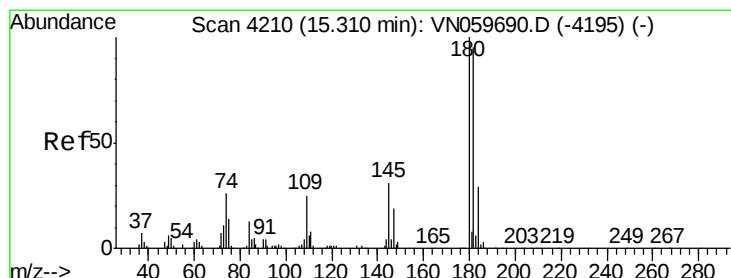
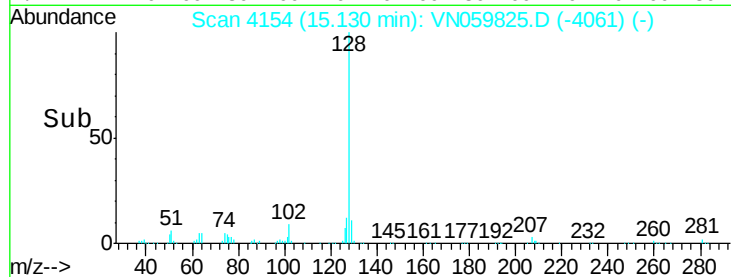
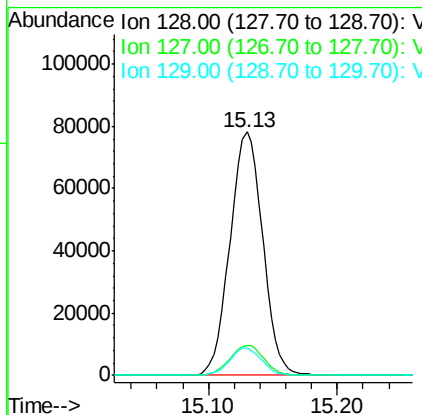
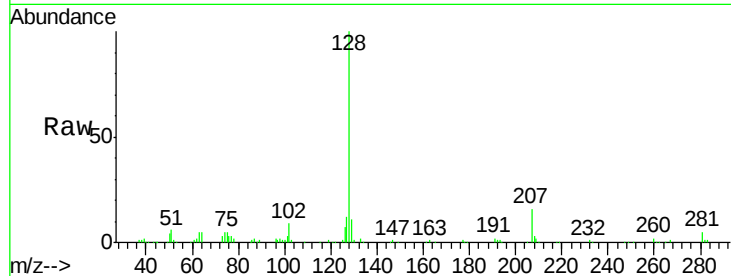
ClientSampleId :

VN0122MBS01

Tot Ion:	128	Resp:	137939
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.9	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 19.911 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059825.D

Acq: 22 Jan 2020 12:26

Tgt Ion:	180	Resp:	49644
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.4	142.3
145	31.9	16.3	48.9

