

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059829.D
 Acq On : 22 Jan 2020 14:05
 Operator : JC/MD
 Sample : VN0122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 10:14:42 AM

Quant Time: Jan 23 05:55:58 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	202628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	313656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	283044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	129048	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112014	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.57	113	93993	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
50) Toluene-d8	10.08	98	359769	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	12.40	95	124858	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	44692	18.377	ug/l	100
3) Chloromethane	2.04	50	43136	18.594	ug/l	97
4) Vinyl Chloride	2.17	62	55014	20.727	ug/l	98
5) Bromomethane	2.54	94	32986	20.364	ug/l	98
6) Chloroethane	2.68	64	25189	20.059	ug/l	99
7) Trichlorofluoromethane	3.00	101	65584	20.574	ug/l	98
8) Diethyl Ether	3.38	74	22684	20.277	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37483	21.128	ug/l	92
10) Methyl Iodide	3.93	142	54544	19.020	ug/l	95
11) Tert butyl alcohol	4.72	59	38627	101.968	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	36656	19.773	ug/l	87
13) Acrolein	3.58	56	21737	81.061	ug/l	95
14) Allyl chloride	4.30	41	48938	19.585	ug/l #	85
15) Acrylonitrile	4.95	53	88277	102.160	ug/l	98
16) Acetone	3.78	43	91781	114.146	ug/l	96
17) Carbon Disulfide	4.03	76	93713	17.745	ug/l	100
18) Methyl Acetate	4.29	43	51776	19.698	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	123325	20.404	ug/l	94
20) Methylene Chloride	4.52	84	41280	19.487	ug/l	87
21) trans-1,2-Dichloroethene	5.01	96	37791	19.177	ug/l	88
22) Diisopropyl ether	5.91	45	113086	19.971	ug/l #	92
23) Vinyl Acetate	5.86	43	430658	98.228	ug/l #	94
24) 1,1-Dichloroethane	5.81	63	69935	20.212	ug/l	98
25) 2-Butanone	6.80	43	120579	94.624	ug/l	92
26) 2,2-Dichloropropane	6.79	77	65743	19.764	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	45857	20.232	ug/l	88
28) Bromochloromethane	7.17	49	27453	19.852	ug/l #	74
29) Tetrahydrofuran	7.18	42	76080	96.495	ug/l #	87
30) Chloroform	7.35	83	73042	20.374	ug/l	99
31) Cyclohexane	7.63	56	60449	18.156	ug/l #	82
32) 1,1,1-Trichloroethane	7.55	97	67944	20.498	ug/l	97
36) 1,1-Dichloropropene	7.77	75	54041	19.785	ug/l	96
37) Ethyl Acetate	6.90	43	46240	18.050	ug/l	94
38) Carbon Tetrachloride	7.75	117	60981	20.524	ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
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Manual Integrations
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MMDadoda
 1/24/2020 10:14:42 AM

Quant Time: Jan 23 05:55:58 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)
39) Methylcyclohexane	9.07	83	62210	18.471	ug/l	91
40) Benzene	8.02	78	160205	19.666	ug/l	99
41) Methacrylonitrile	7.15	41	20788m	16.474	ug/l	
42) 1,2-Dichloroethane	8.10	62	56241	20.363	ug/l	97
43) Isopropyl Acetate	8.14	43	83550	18.961	ug/l #	94
44) Trichloroethene	8.82	130	46357	20.846	ug/l	92
45) 1,2-Dichloropropane	9.10	63	40167	19.926	ug/l	98
46) Dibromomethane	9.19	93	28306	19.907	ug/l #	89
47) Bromodichloromethane	9.39	83	58236	20.324	ug/l	100
48) Methyl methacrylate	9.18	41	35679	18.102	ug/l	86
49) 1,4-Dioxane	9.18	88	15500	429.577	ug/l #	89
51) 4-Methyl-2-Pentanone	9.97	43	242988	95.392	ug/l	94
52) Toluene	10.14	92	102920	20.002	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	62589	19.562	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	67975	20.192	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	41652	20.439	ug/l	96
56) Ethyl methacrylate	10.42	69	58533	18.797	ug/l	94
57) 1,3-Dichloropropane	10.70	76	66672	20.607	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	92708	98.844	ug/l	91
59) 2-Hexanone	10.74	43	176916	94.276	ug/l	93
60) Dibromochloromethane	10.89	129	46896	20.208	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43375	20.307	ug/l	100
64) Tetrachloroethene	10.62	164	47176	20.451	ug/l	95
65) Chlorobenzene	11.43	112	113084	20.327	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	44157	20.541	ug/l	97
67) Ethyl Benzene	11.50	91	200052	19.809	ug/l	97
68) m/p-Xylenes	11.62	106	152264	39.913	ug/l	94
69) o-Xylene	11.94	106	74274	19.887	ug/l	94
70) Styrene	11.96	104	117339	18.775	ug/l	96
71) Bromoform	12.12	173	34930	20.286	ug/l #	100
73) Isopropylbenzene	12.25	105	199823	21.113	ug/l	100
74) N-amyl acetate	12.06	43	67349	18.339	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	57048	20.792	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	51953m	23.922	ug/l	
77) Bromobenzene	12.52	156	49730	20.749	ug/l	83
78) n-propylbenzene	12.59	91	215838	20.318	ug/l	97
79) 2-Chlorotoluene	12.67	91	126800	20.065	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	162471	20.412	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	19741	19.521	ug/l	94
82) 4-Chlorotoluene	12.77	91	130644	20.611	ug/l	96
83) tert-Butylbenzene	12.99	119	142149	20.649	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	165459	21.012	ug/l	100
85) sec-Butylbenzene	13.17	105	185560	20.516	ug/l	99
86) p-Isopropyltoluene	13.28	119	166930	19.947	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	85453	20.526	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	84386	20.318	ug/l	98
89) n-Butylbenzene	13.61	91	137908	19.327	ug/l	98
90) Hexachloroethane	13.87	117	31246	19.955	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	85805	20.848	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11851	18.822	ug/l	84

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0122WBSD01

Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	14.90	180	48235	19.504	ug/l	99
94) Hexachlorobutadiene	15.01	225	27492	20.172	ug/l	98
95) Naphthalene	15.13	128	126666	18.006	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47912	19.903	ug/l	98

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

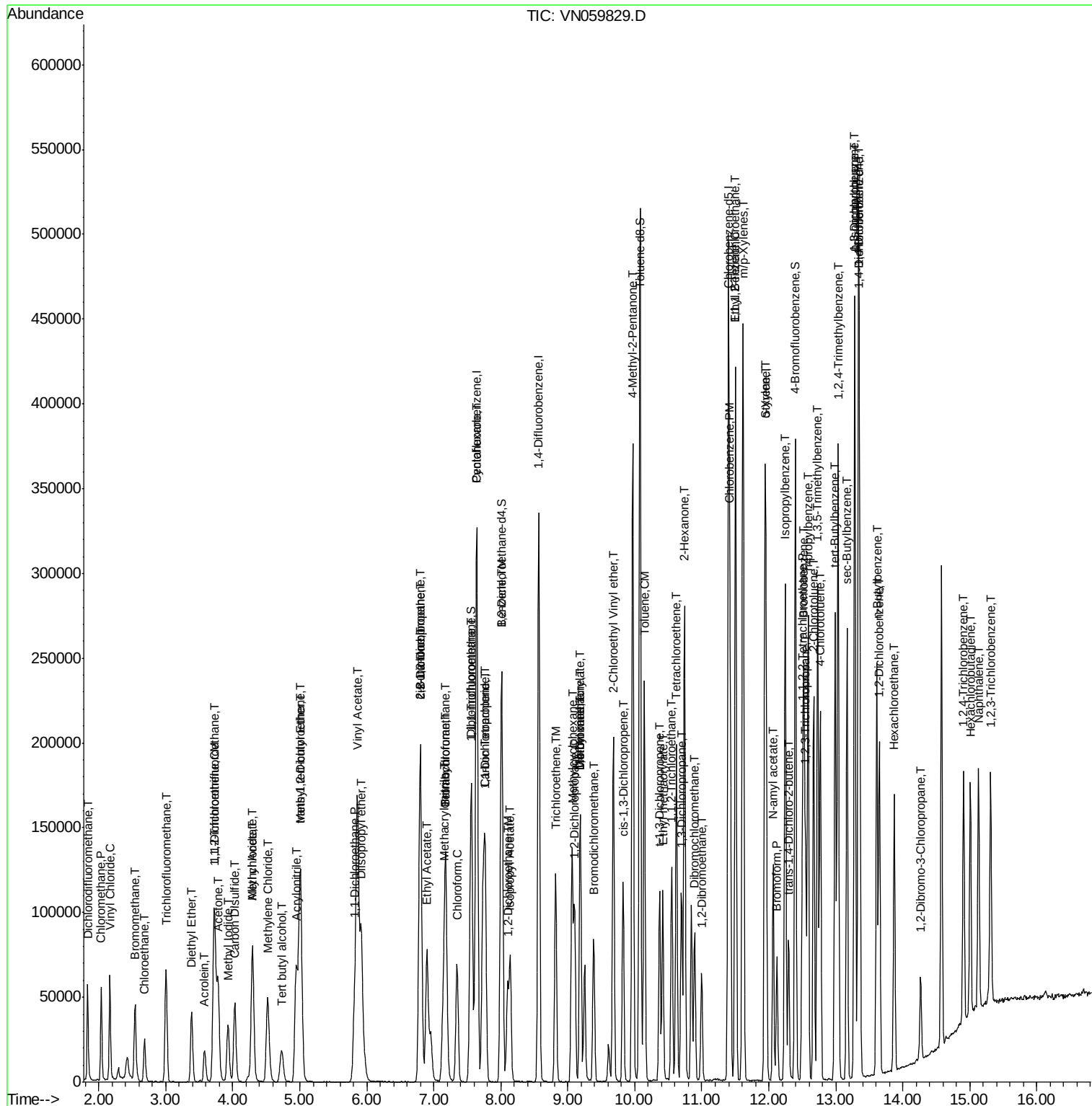
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012220\
 Data File : VN059829.D
 Acq On : 22 Jan 2020 14:05
 Operator : JC/MD
 Sample : VN0122WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

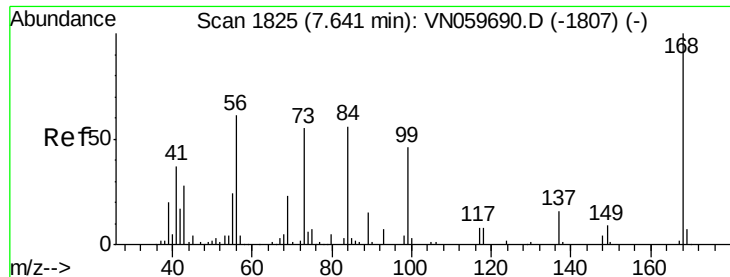
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion:168 Resp: 202628

Ion Ratio Lower Upper

168 100

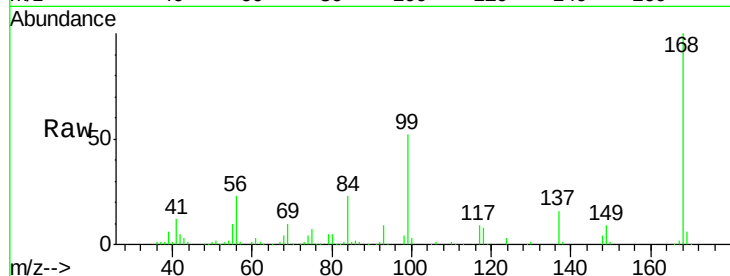
99 51.7 48.2 72.4

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

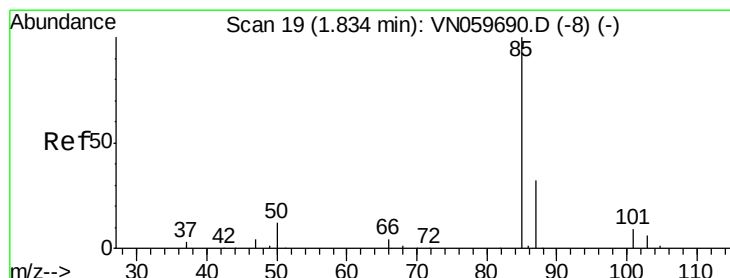
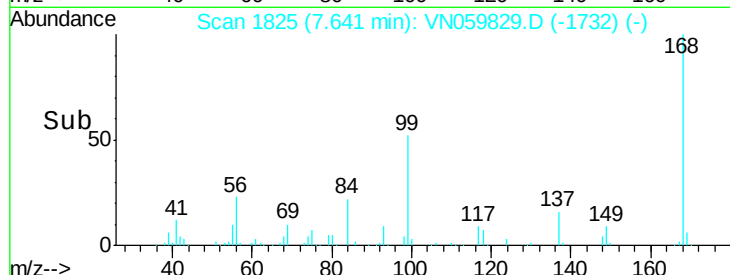
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.377 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059829.D

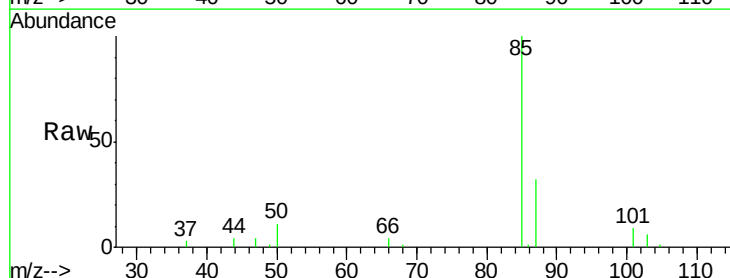
Acq: 22 Jan 2020 14:05

Tgt Ion: 85 Resp: 44692

Ion Ratio Lower Upper

85 100

87 31.7 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

30000

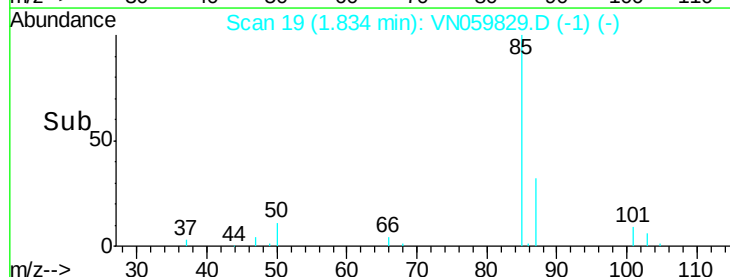
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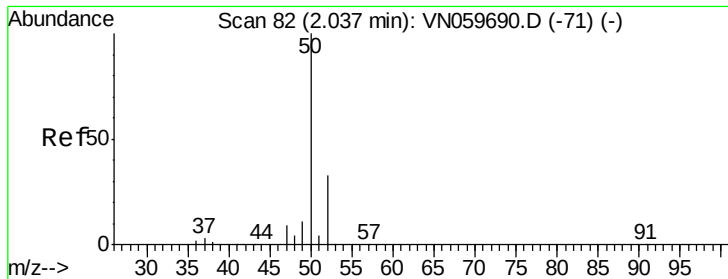
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.594 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 50 Resp: 43136

Ion Ratio Lower Upper

50 100

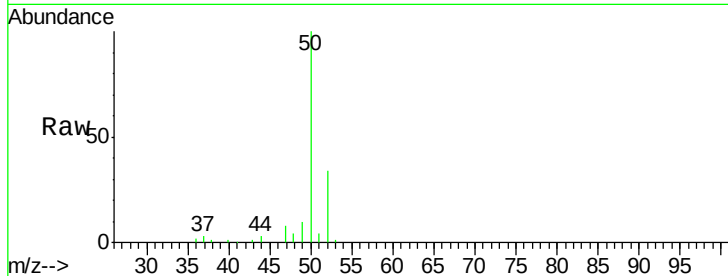
52 34.1 25.9 38.9

Manual Integrations

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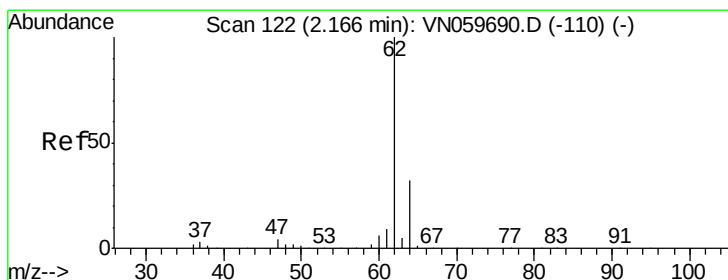
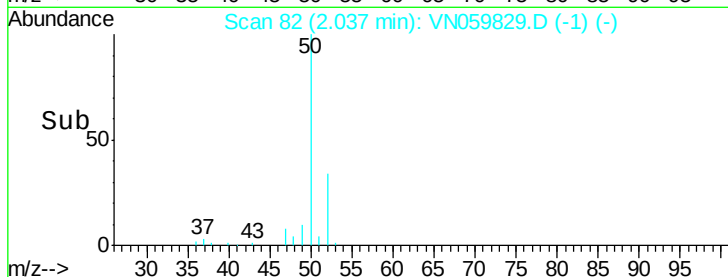
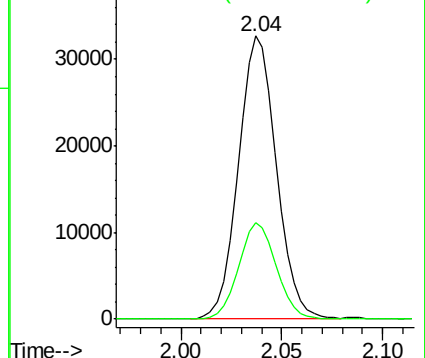
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.727 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059829.D

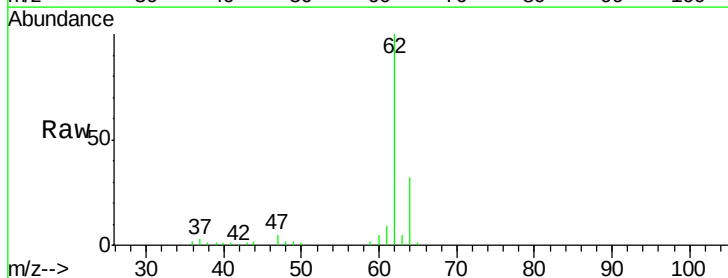
Acq: 22 Jan 2020 14:05

Tgt Ion: 62 Resp: 55014

Ion Ratio Lower Upper

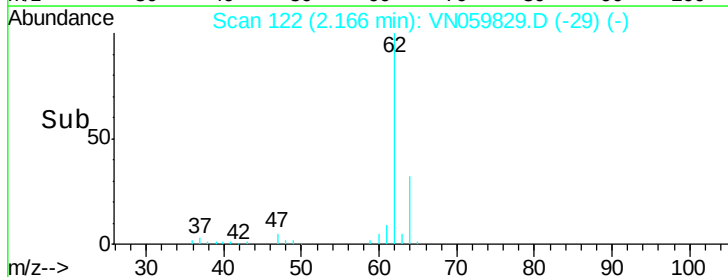
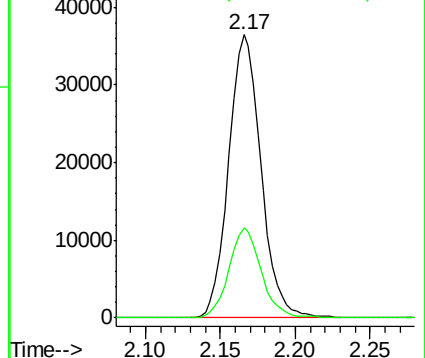
62 100

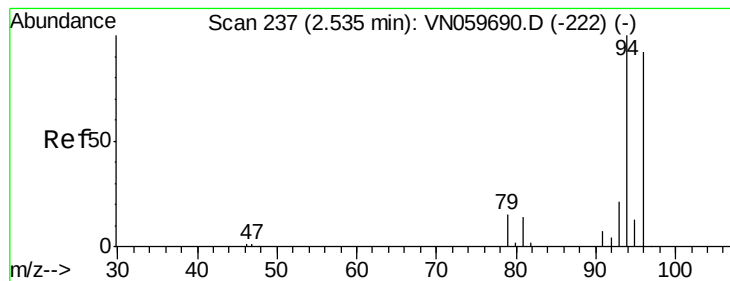
64 31.7 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.364 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

Tot Ion: 94 Resp: 32986

Ion Ratio Lower Upper

94 100

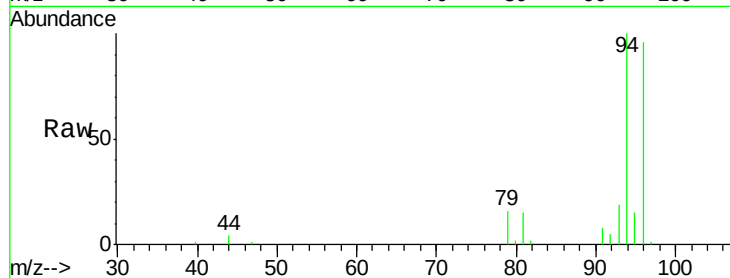
96 95.8 74.7 112.1

Manual Integrations

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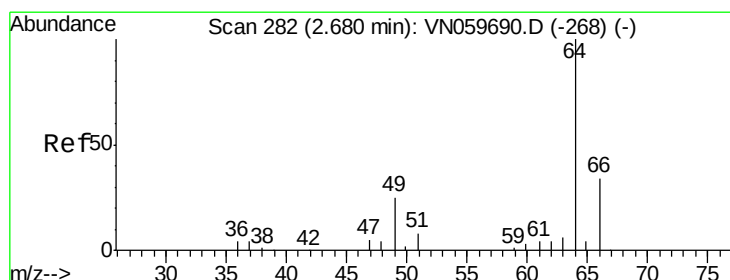
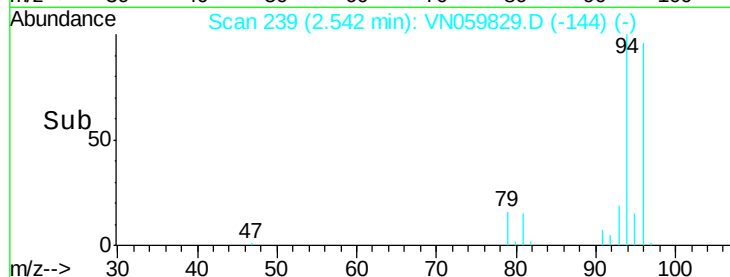
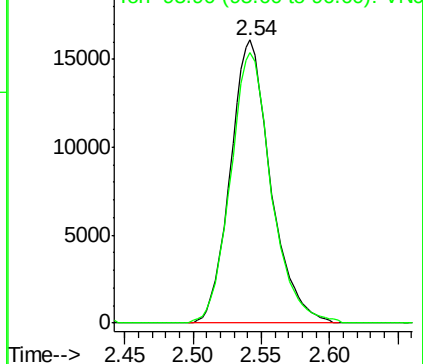
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.059 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059829.D

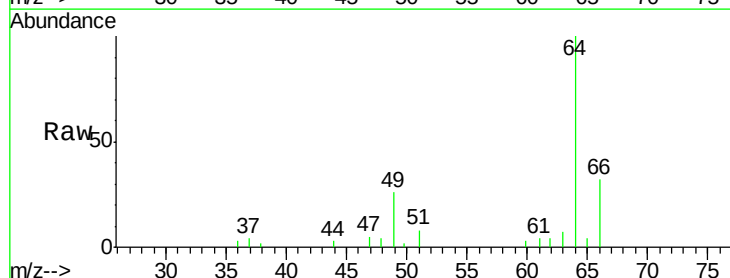
Acq: 22 Jan 2020 14:05

Tgt Ion: 64 Resp: 25189

Ion Ratio Lower Upper

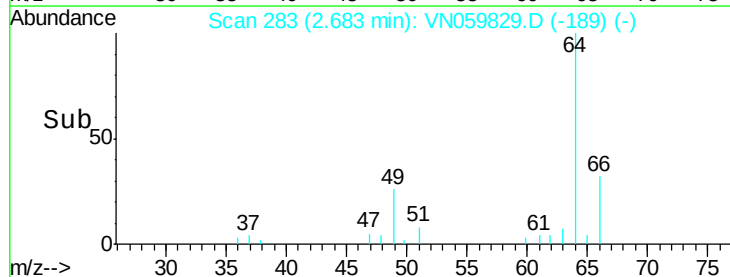
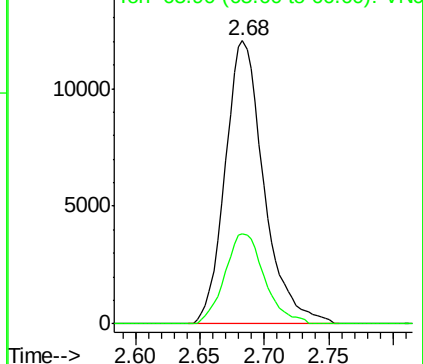
64 100

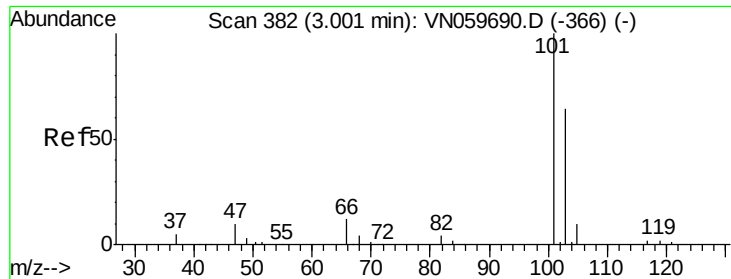
66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

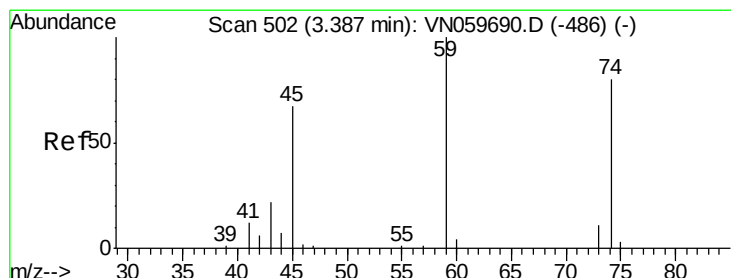
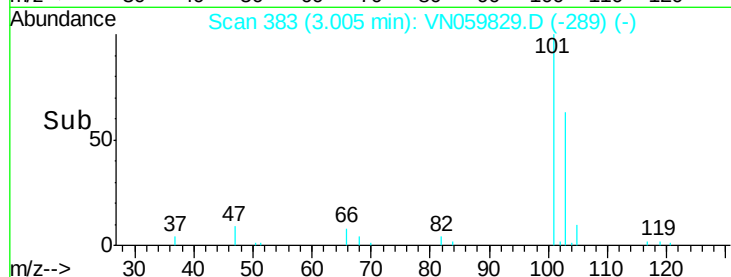
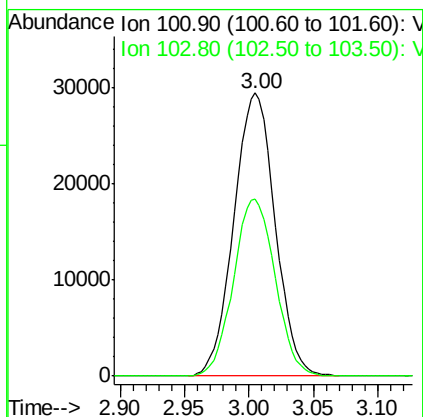
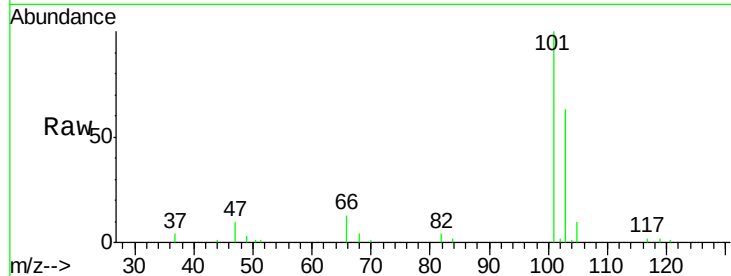
Trichlorofluoromethane
Concen: 20.574 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:101 Resp: 65584
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6

Manual Integrations
APPROVED

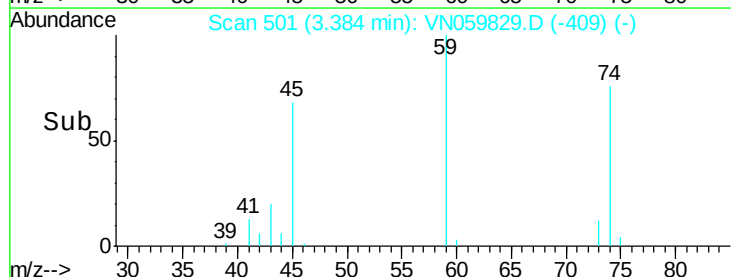
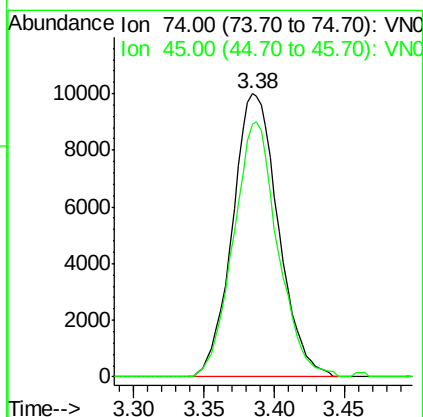
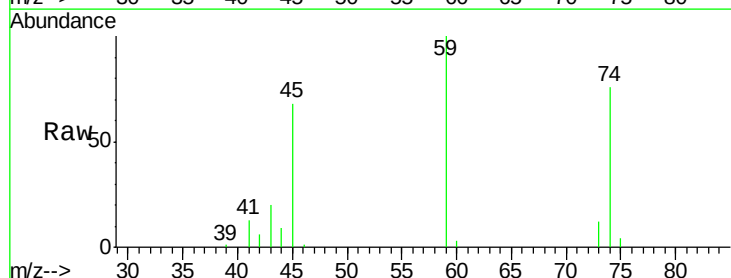
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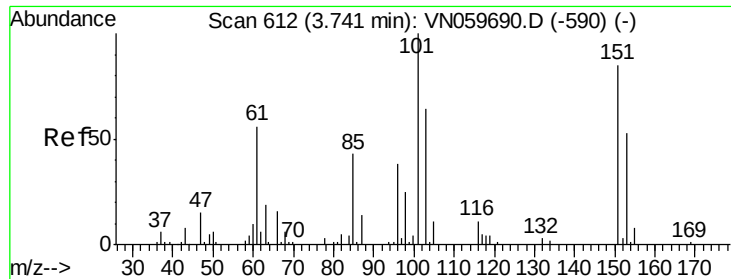


#8

Diethyl Ether
Concen: 20.277 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion: 74 Resp: 22684
Ion Ratio Lower Upper
74 100
45 87.5 51.9 155.8





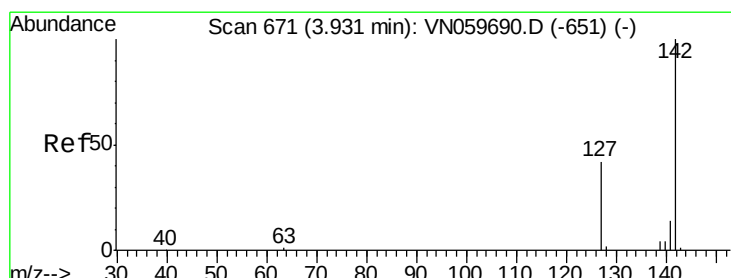
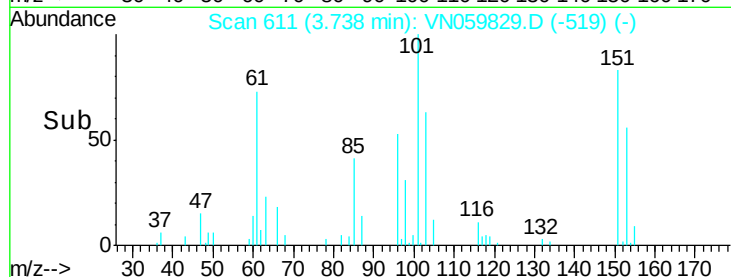
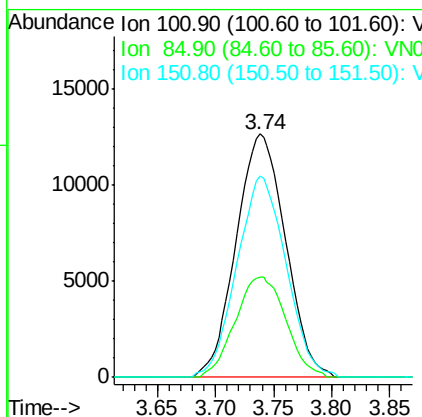
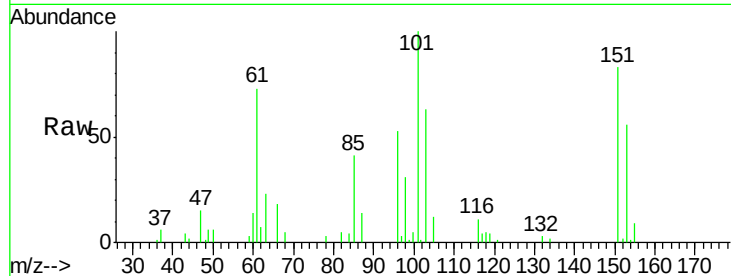
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.128 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.2	36.6	54.8
151	82.2	59.7	89.5

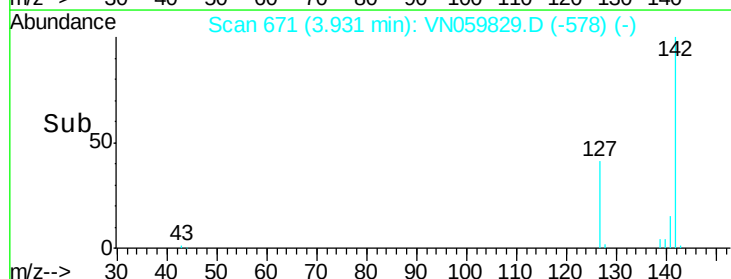
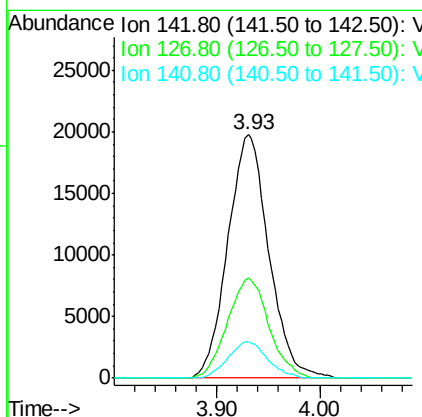
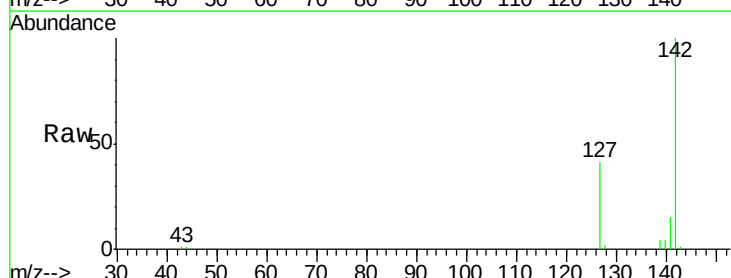
Manual Integrations
APPROVED

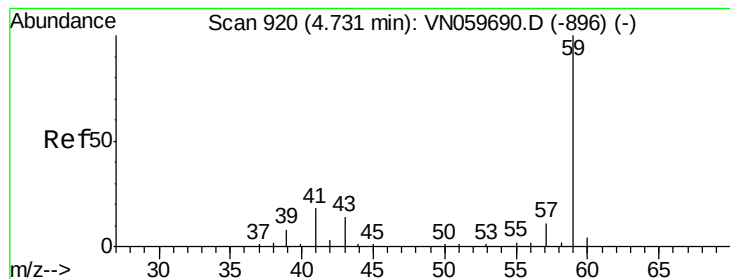
MMDadoda
1/24/2020 10:14:42 AM



#10
Methyl Iodide
Concen: 19.020 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.7	36.7	55.1
141	14.4	11.7	17.5





#11

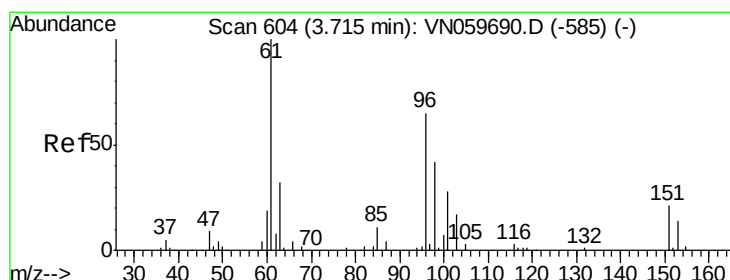
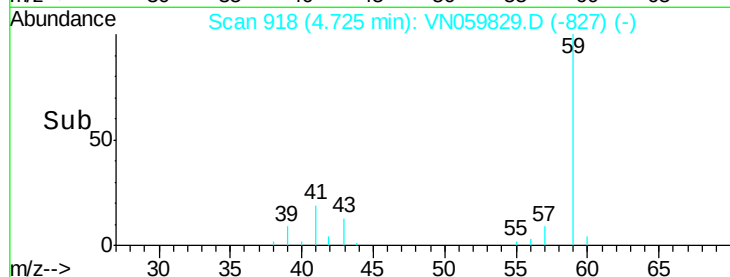
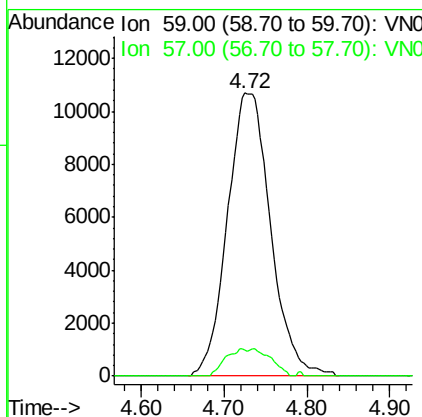
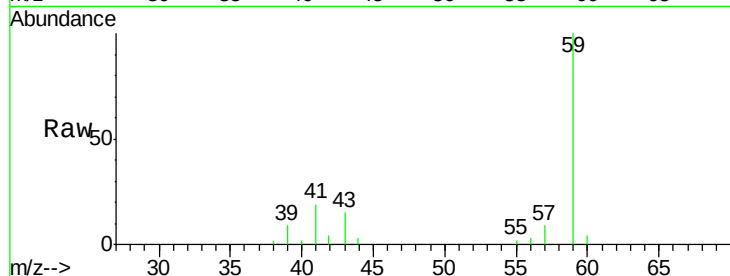
Tert butyl alcohol
 Concen: 101.968 ug/l
 RT: 4.72 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.6	12.8#

Manual Integrations
 APPROVED

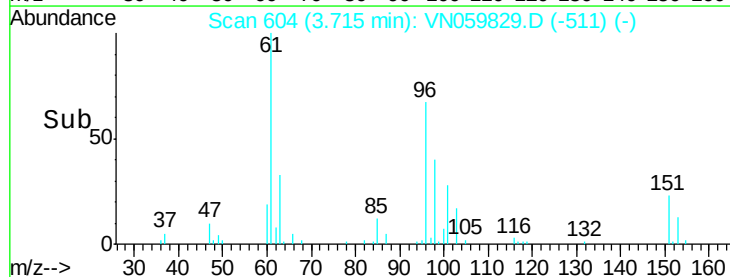
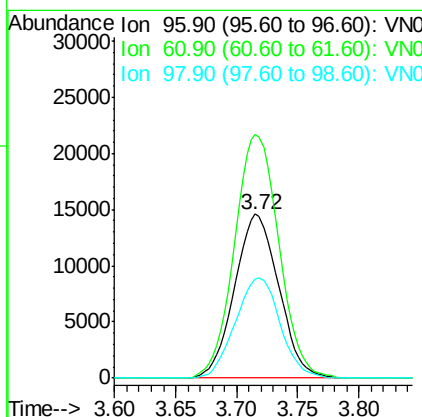
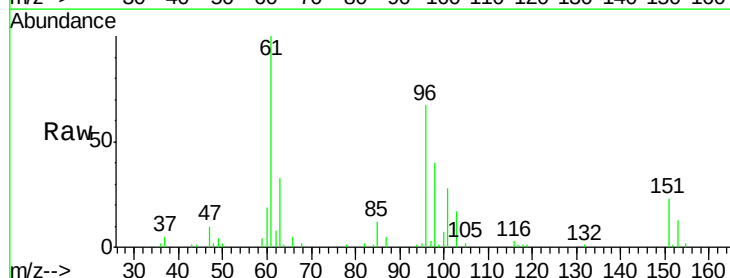
MMDadoda
 1/24/2020 10:14:42 AM

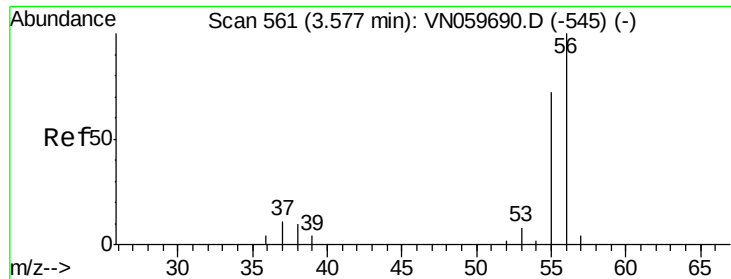


#12

1,1-Dichloroethene
 Concen: 19.773 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.6	137.5	206.3
98	60.1	50.2	75.4





#13

Acrolein

Concen: 81.061 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 56 Resp: 21737

Ion Ratio Lower Upper

56 100

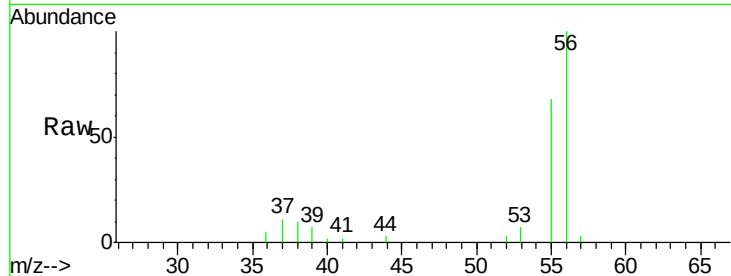
55 69.3 58.6 88.0

Manual Integrations

APPROVED

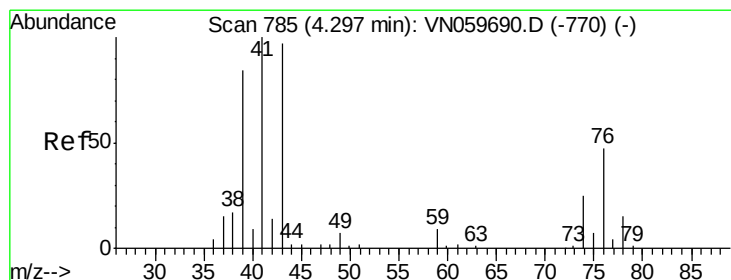
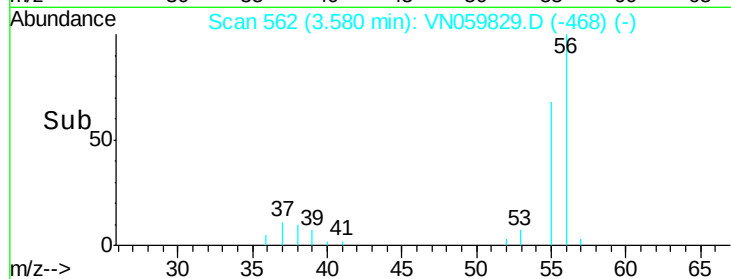
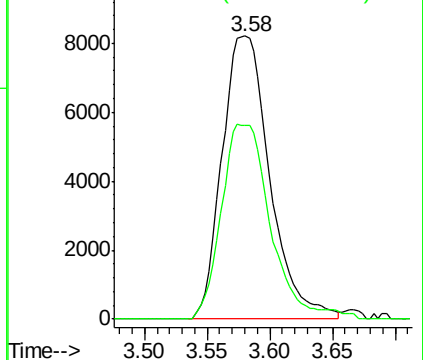
MMDadoda

1/24/2020 10:14:42 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.585 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

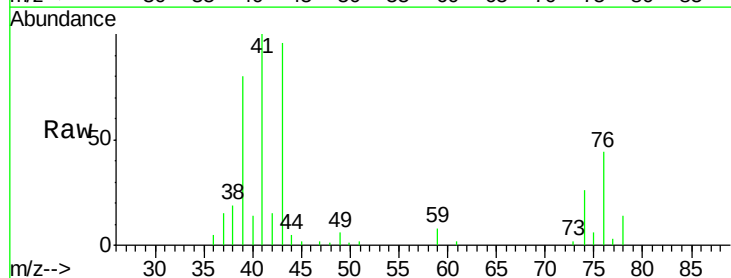
Tgt Ion: 41 Resp: 48938

Ion Ratio Lower Upper

41 100

39 82.4 57.8 86.8

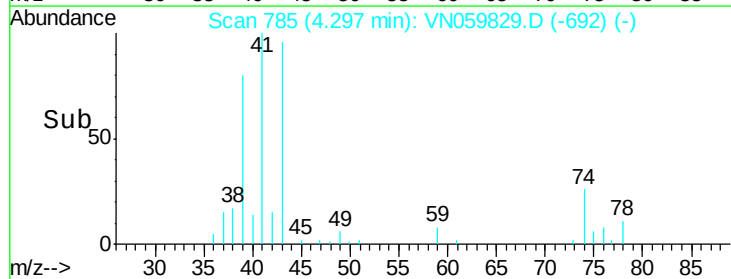
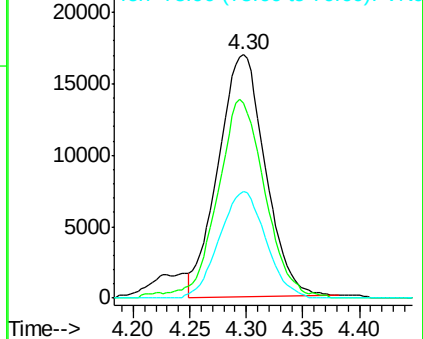
76 43.5 25.4 38.0#

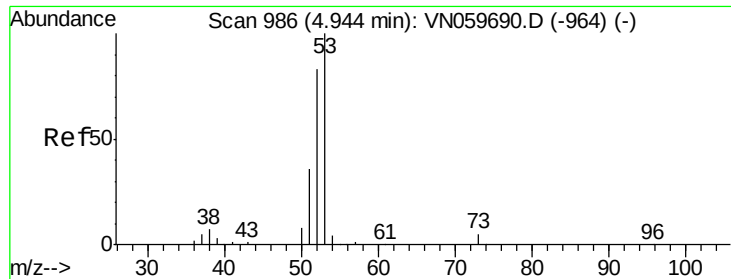


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.160 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

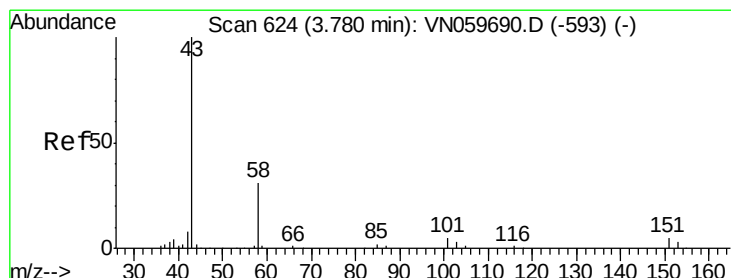
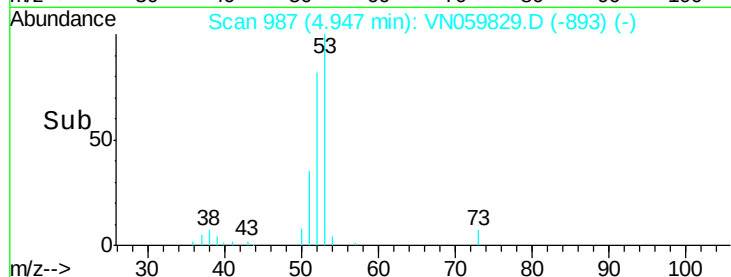
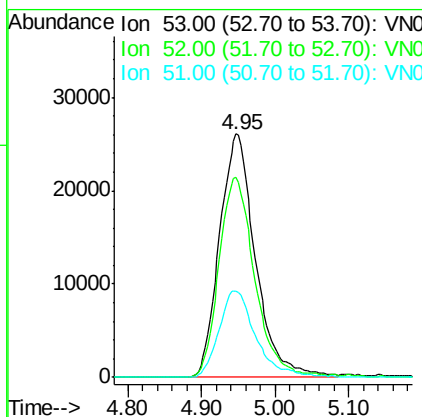
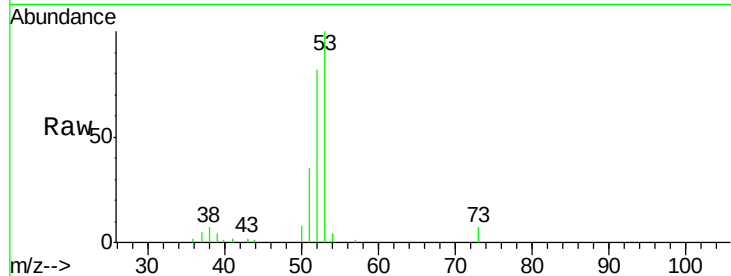
ClientSampleId :

VN0122WBSD01

Tot Ion:	53	Resp:	88277
Ion Ratio	Lower	Upper	
53	100		
52	81.2	66.3	99.5
51	36.5	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 114.146 ug/l

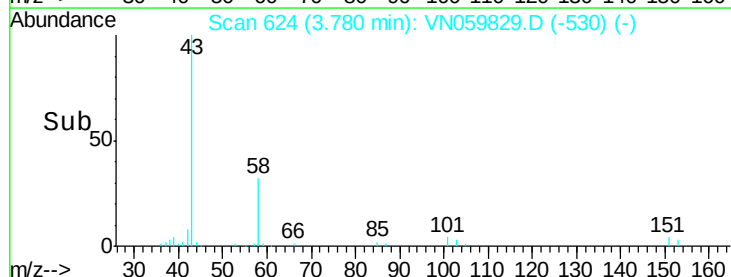
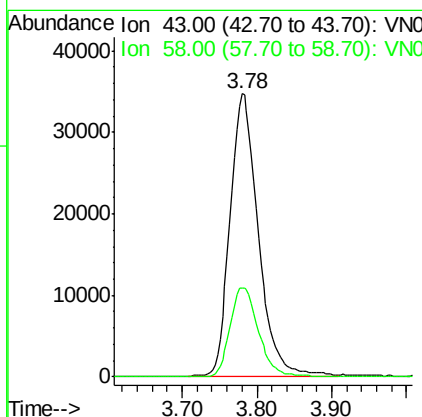
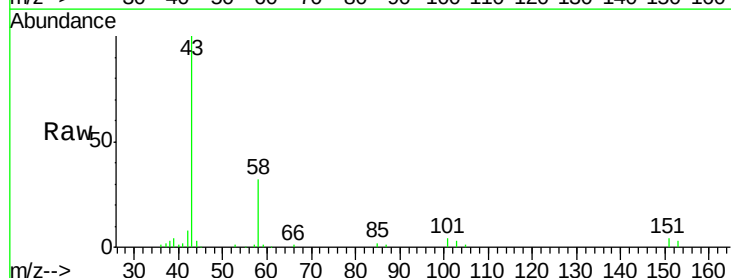
RT: 3.78 min Scan# 624

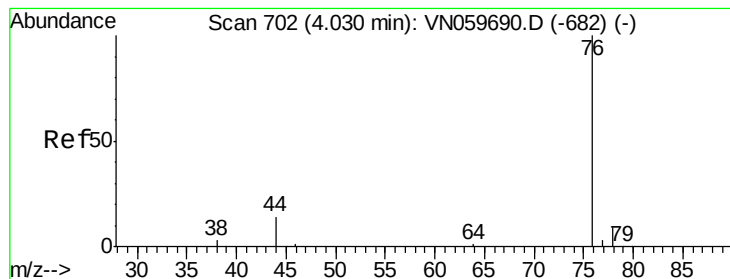
Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion:	43	Resp:	91781
Ion Ratio	Lower	Upper	
43	100		
58	31.5	23.6	35.4





#17

Carbon Disulfide

Concen: 17.745 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 76 Resp: 93713

Ion Ratio Lower Upper

76 100

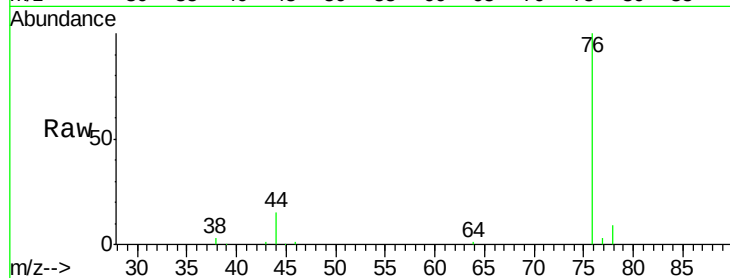
78 9.1 7.4 11.0

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

40000

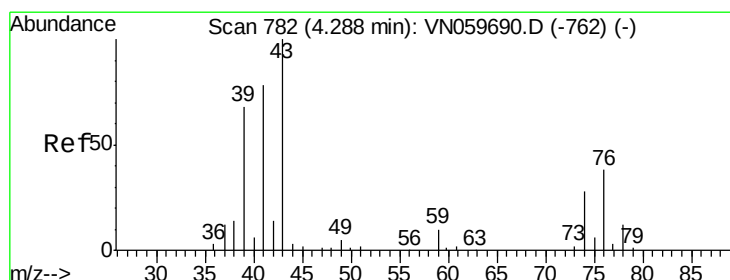
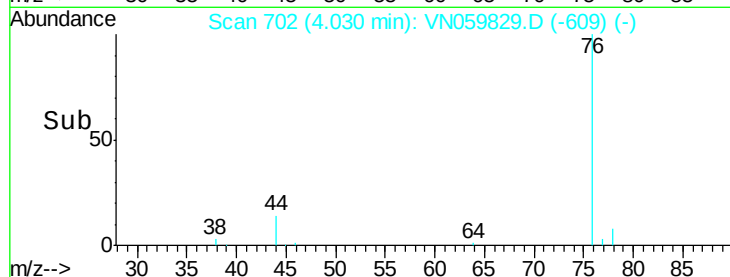
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 19.698 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059829.D

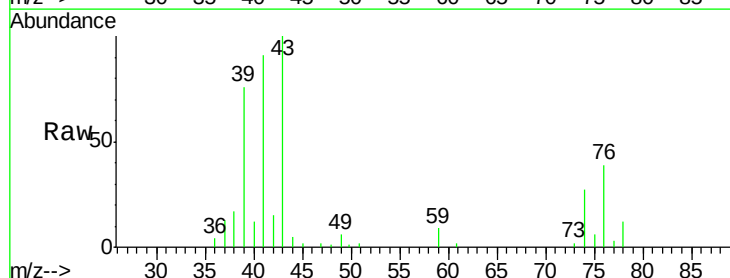
Acq: 22 Jan 2020 14:05

Tgt Ion: 43 Resp: 51776

Ion Ratio Lower Upper

43 100

74 26.5 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

20000

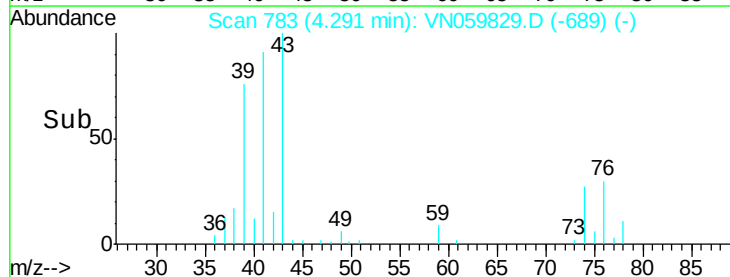
15000

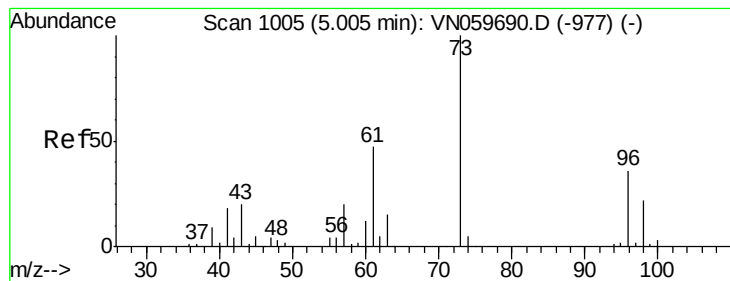
10000

5000

0

Time-->





#19

Methvl tert-butyl Ether

Concen: 20.404 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

Tot Ion: 73 Resp: 123325

Ion Ratio Lower Upper

73 100

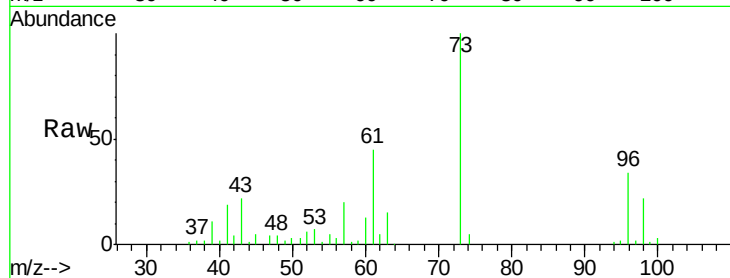
57 20.3 18.6 27.8

Manual Integrations

APPROVED

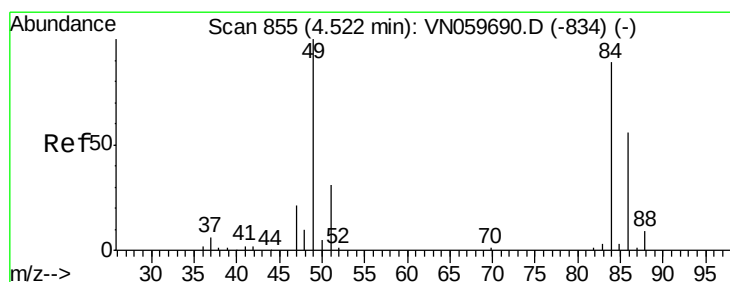
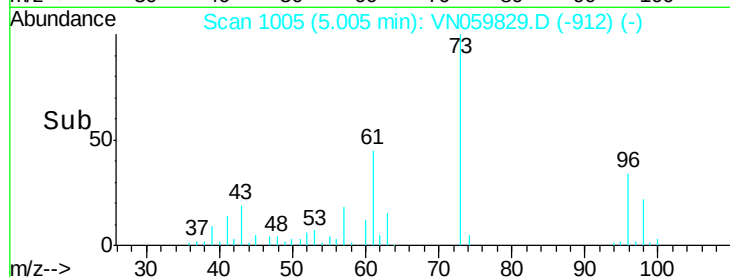
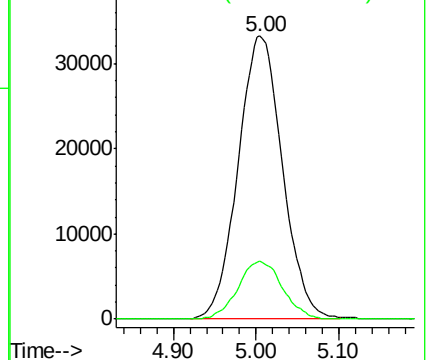
MMDadoda

1/24/2020 10:14:42 AM



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.487 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion: 84 Resp: 41280

Ion Ratio Lower Upper

84 100

49 110.1 106.6 160.0

51 34.4 31.9 47.9

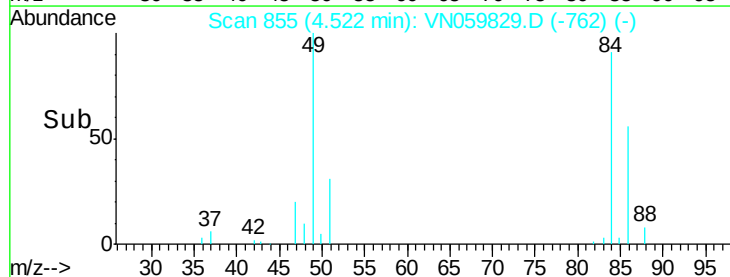
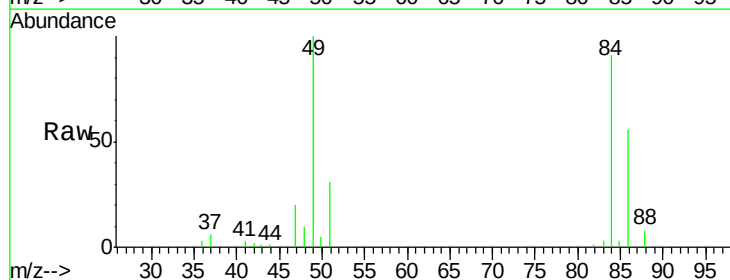
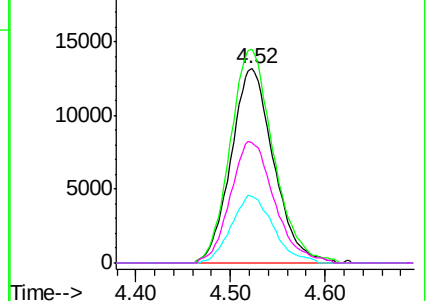
86 61.8 50.8 76.2

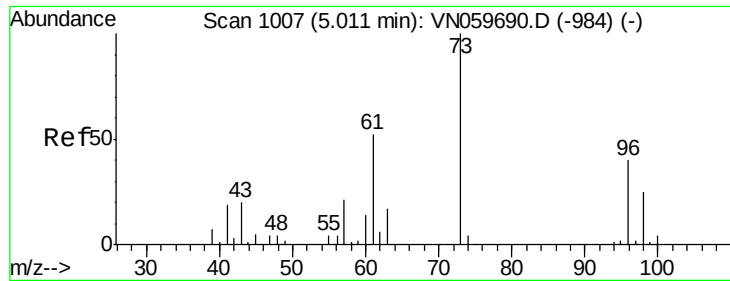
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





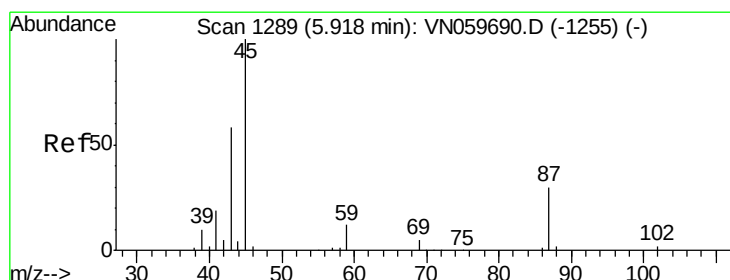
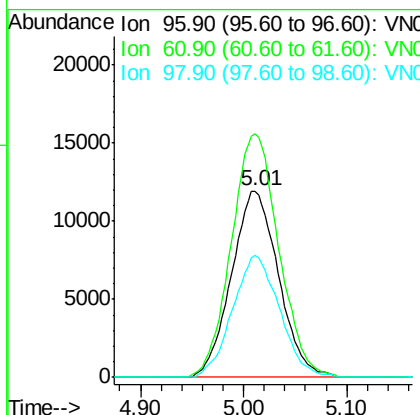
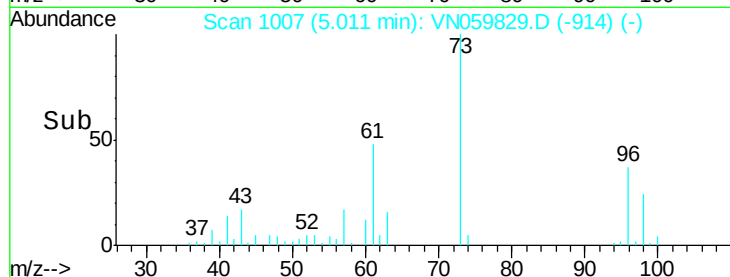
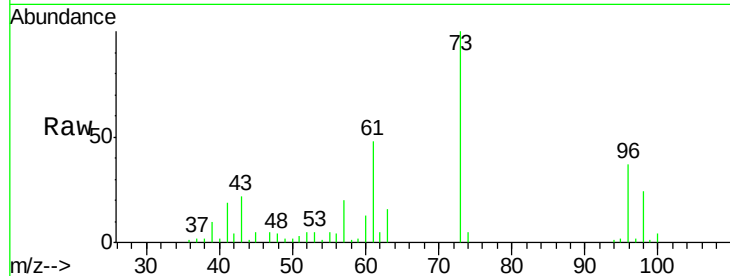
#21
trans-1,2-Dichloroethene
Concen: 19.177 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	120.4	180.6
98	65.4	50.6	75.8

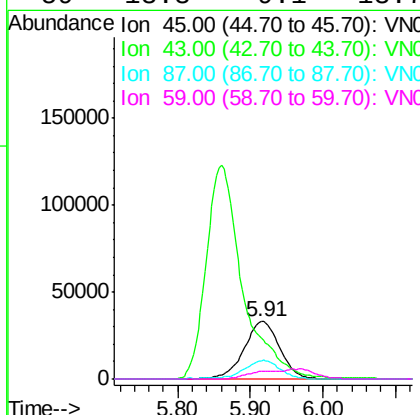
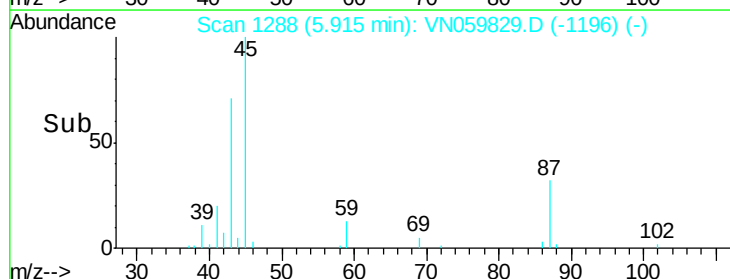
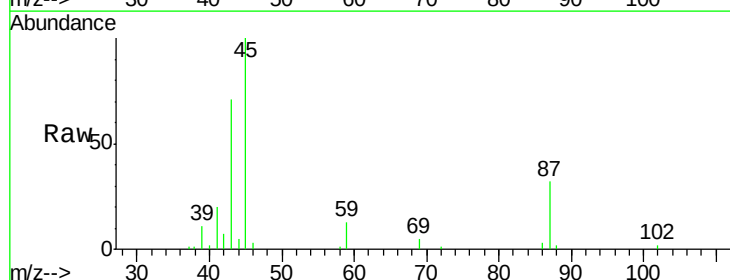
Manual Integrations
APPROVED

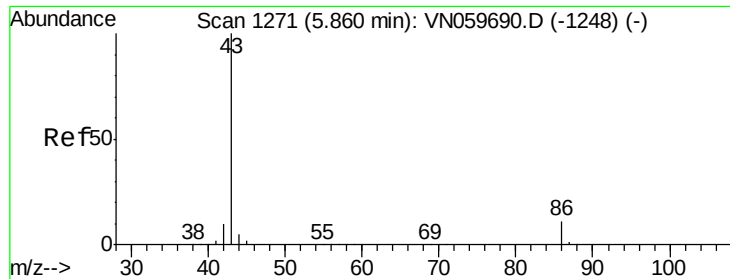
MMDadoda
1/24/2020 10:14:42 AM



#22
Diisopropyl ether
Concen: 19.971 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.1	50.8	76.2
87	32.3	21.0	31.6
59	13.3	9.1	13.7





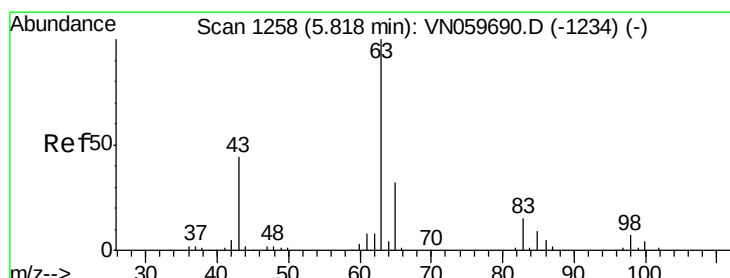
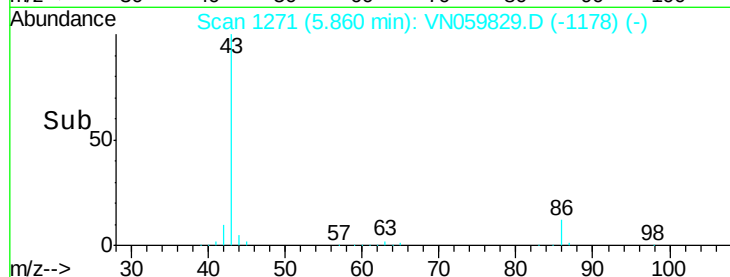
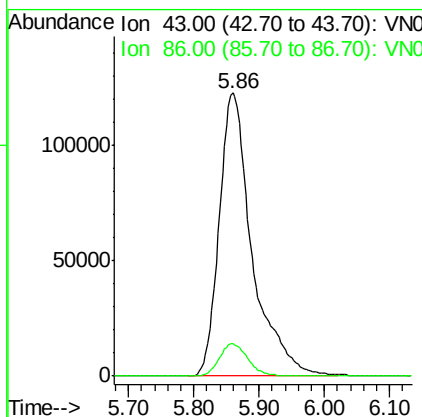
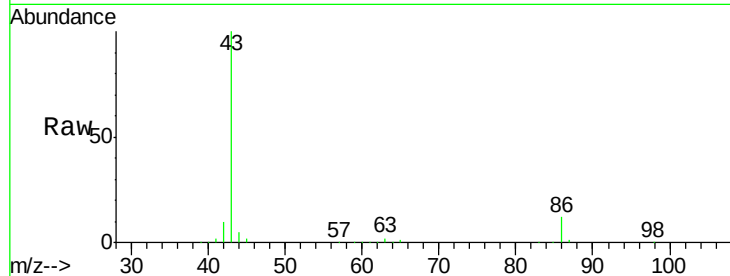
#23
 Vinyl Acetate
 Concen: 98.228 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	43	Resp	430658
Ion Ratio	100	Lower	Upper
43	100		
86	11.7	7.6	11.4#

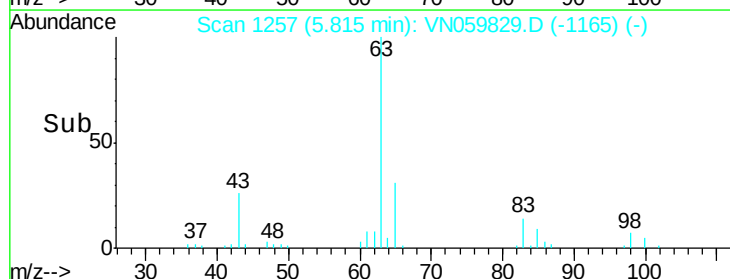
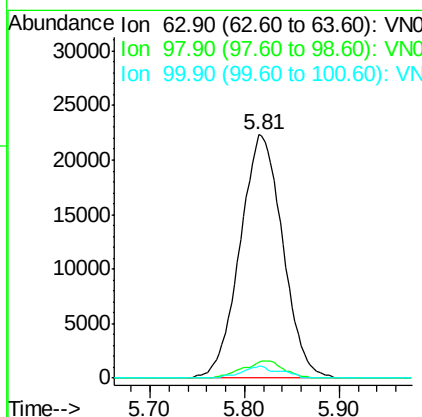
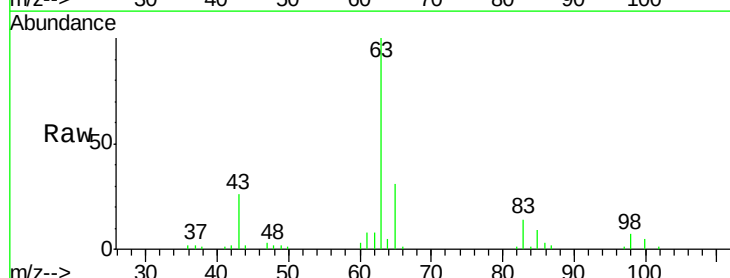
Manual Integrations
 APPROVED

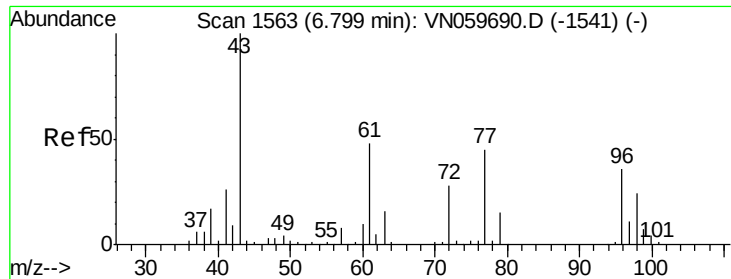
MMDadoda
 1/24/2020 10:14:42 AM



#24
 1,1-Dichloroethane
 Concen: 20.212 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion	63	Resp	69935
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	2.9	8.7
100	4.7	2.0	6.0





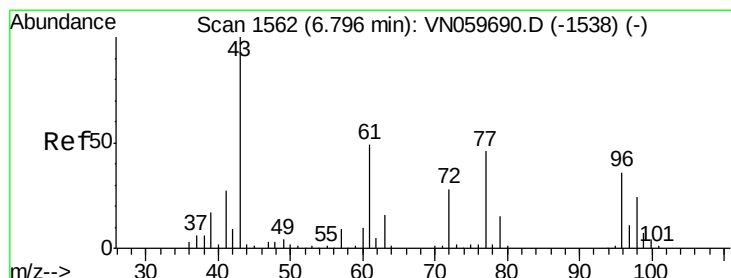
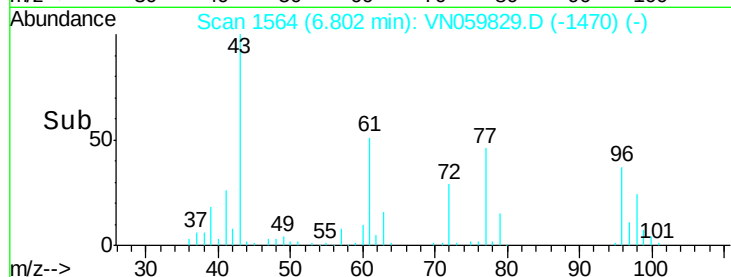
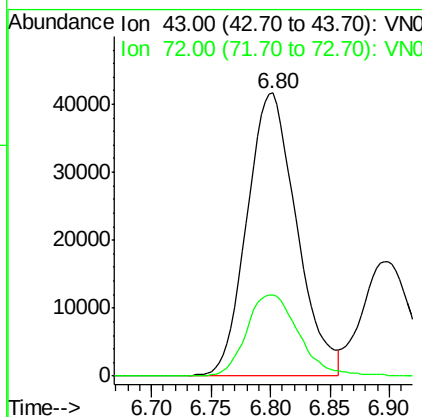
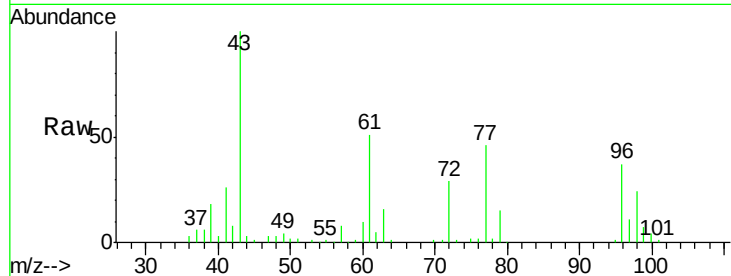
#25
2-Butanone
Concen: 94.624 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 43 Resp: 120579
Ion Ratio Lower Upper
43 100
72 28.7 19.9 29.9

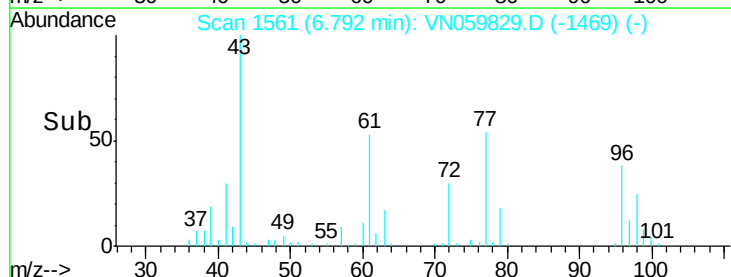
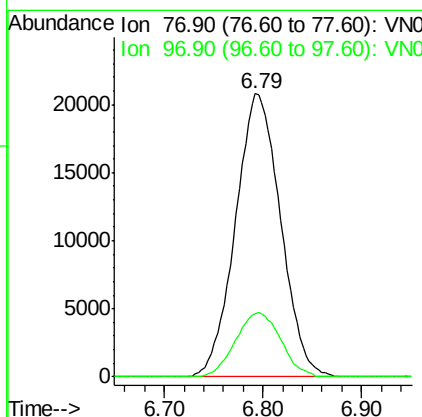
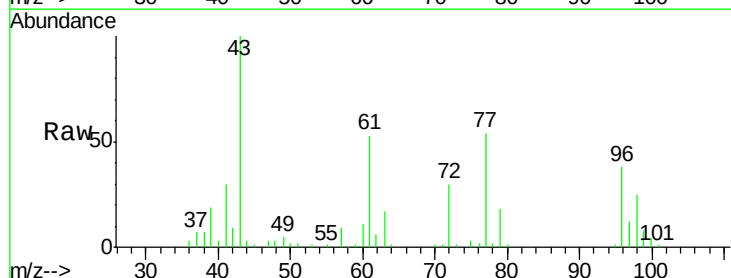
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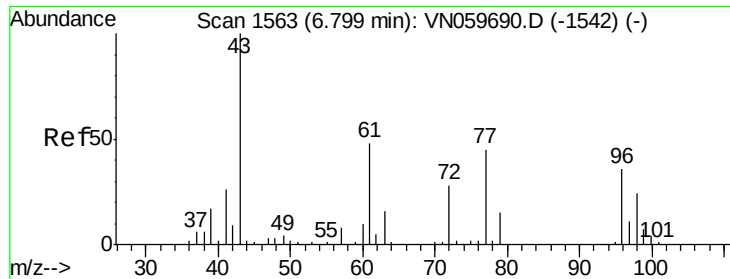
MMDadoda
1/24/2020 10:14:42 AM



#26
2,2-Dichloropropane
Concen: 19.764 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion: 77 Resp: 65743
Ion Ratio Lower Upper
77 100
97 22.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.232 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

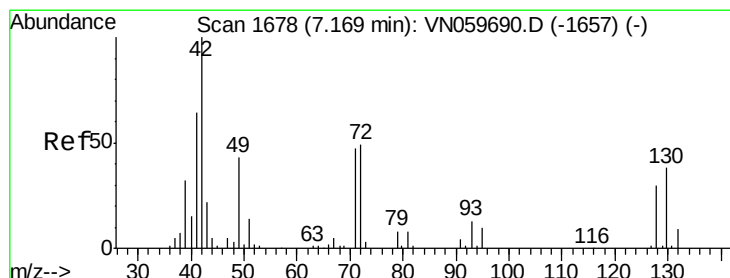
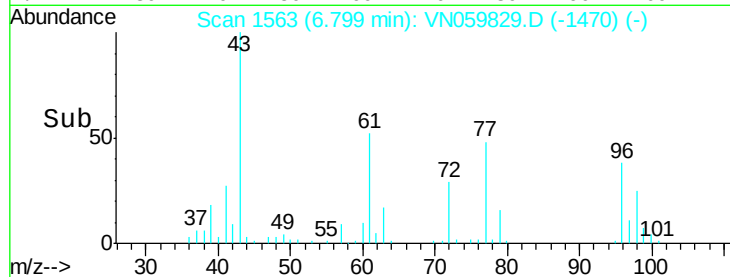
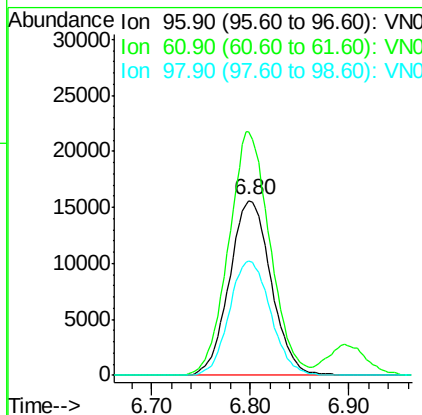
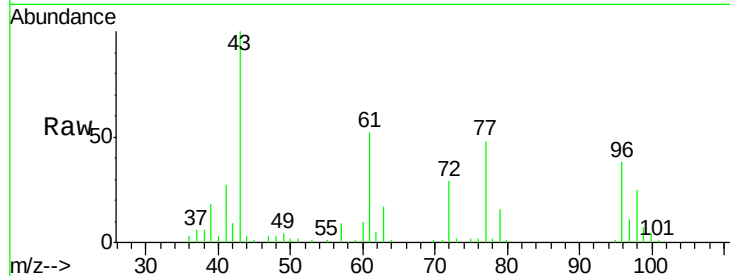
ClientSampleId :

VN0122WBSD01

Tot Ion:	96	Resp:	45857
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	317.6
98	64.8	0.0	127.0

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#28

Bromochloromethane

Concen: 19.852 ug/l

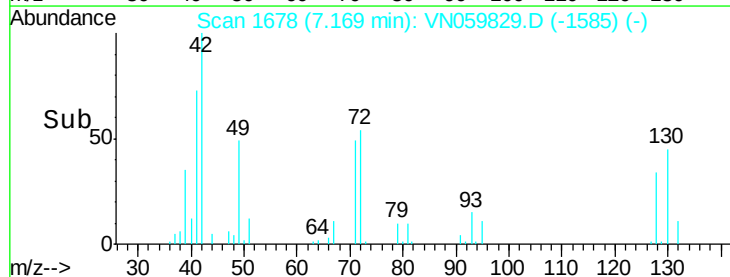
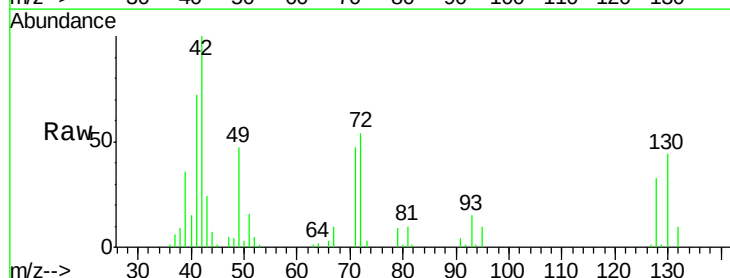
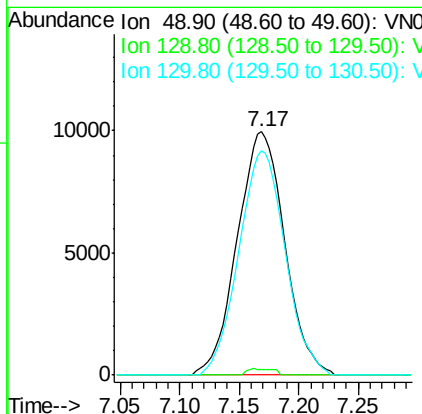
RT: 7.17 min Scan# 1678

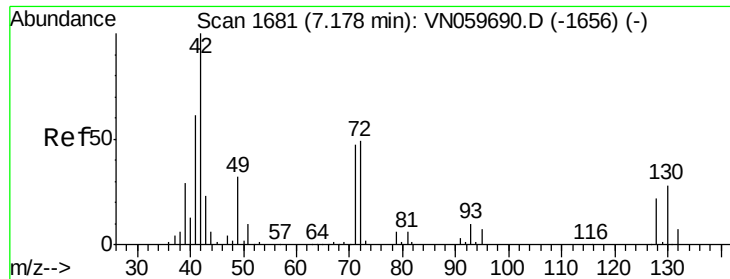
Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion:	49	Resp:	27453
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.4
130	90.4	54.7	82.1#





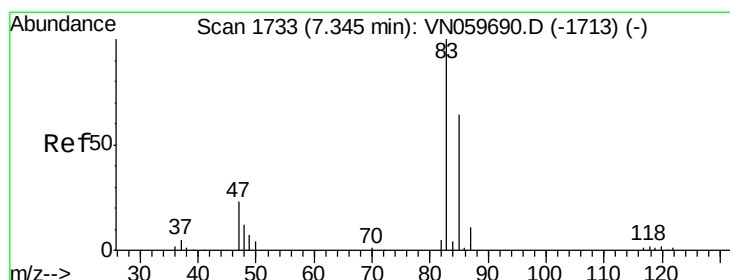
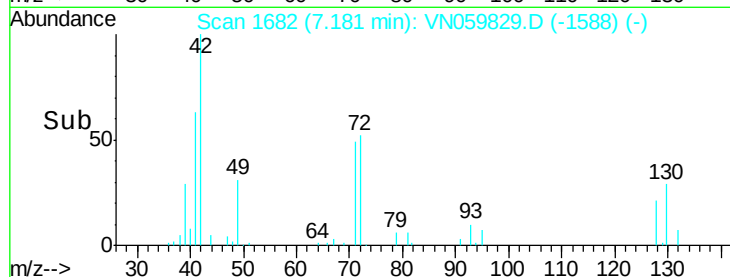
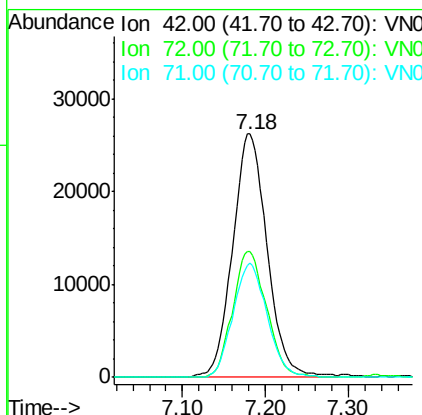
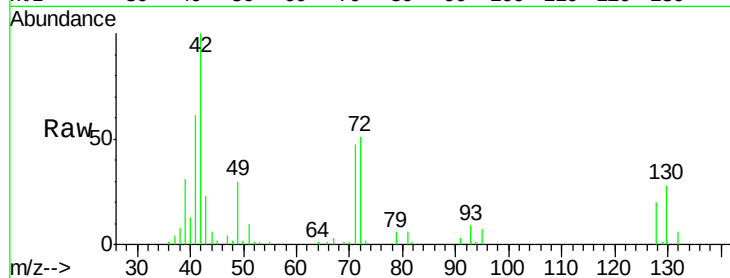
#29
Tetrahydrofuran
Concen: 96.495 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.7	33.1	49.7#
71	46.1	31.4	47.0

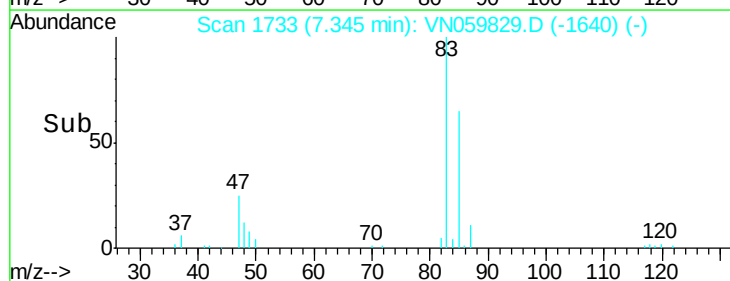
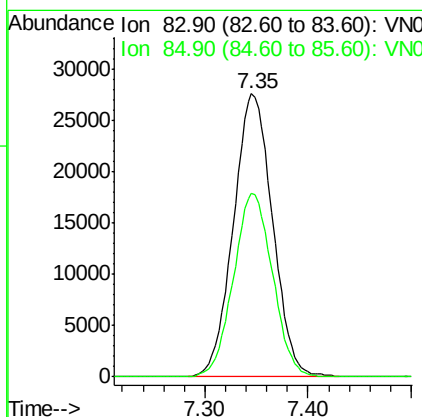
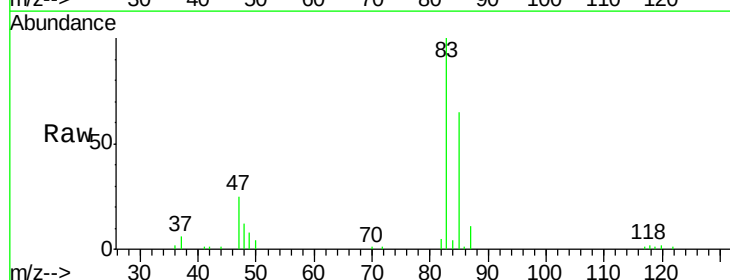
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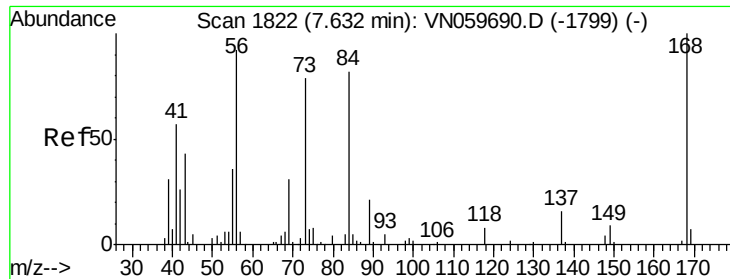
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#30
Chloroform
Concen: 20.374 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6





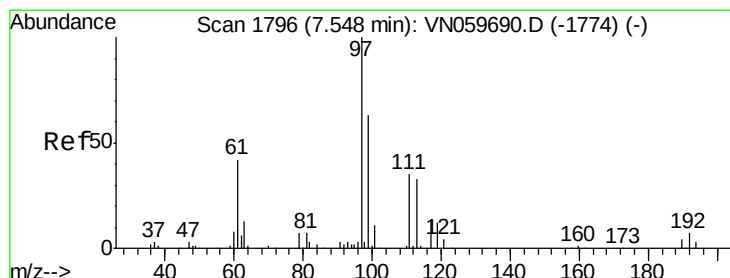
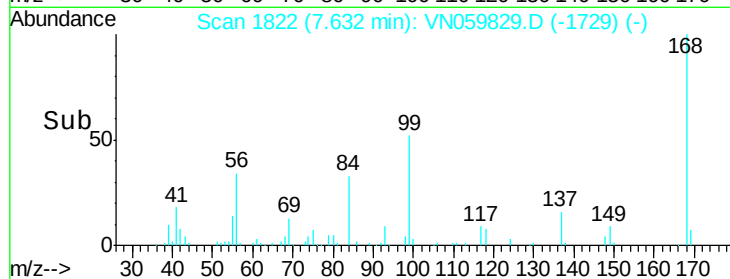
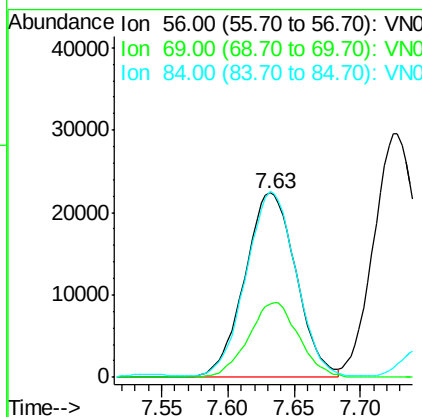
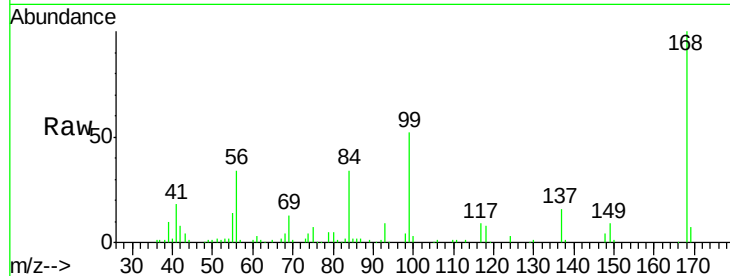
#31
Cyclohexane
Concen: 18.156 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampled :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	26.5	39.7
84	99.6	65.3	97.9

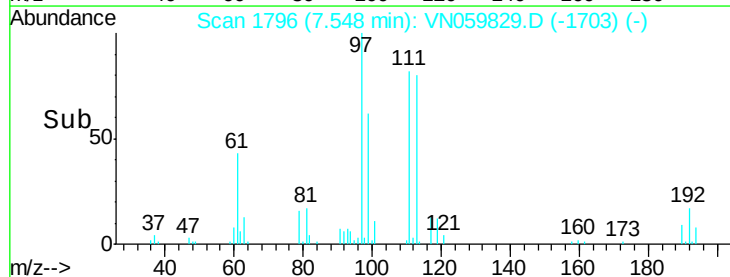
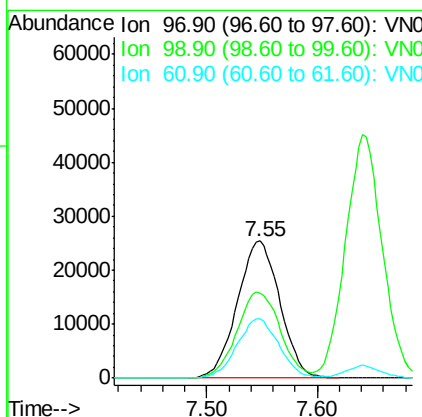
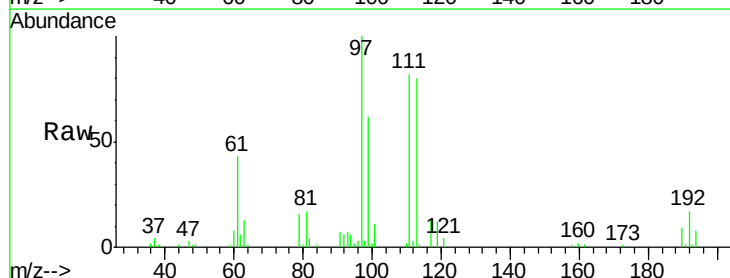
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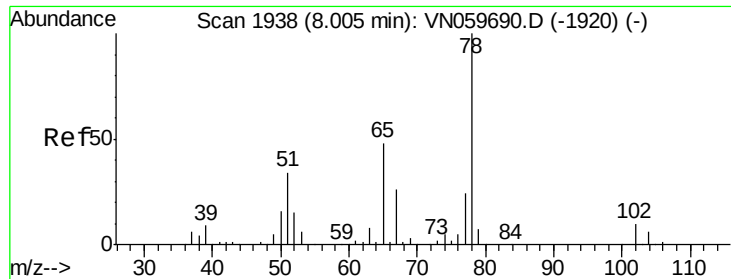
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#32
1,1,1-Trichloroethane
Concen: 20.498 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	42.7	38.5	57.7





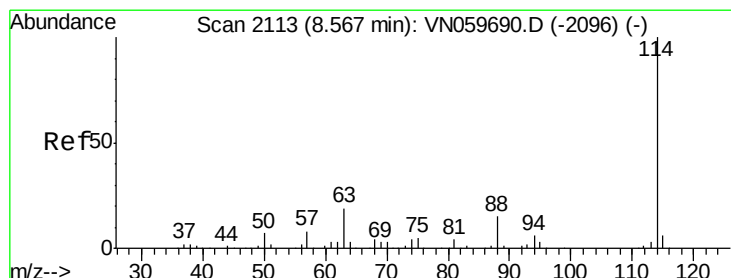
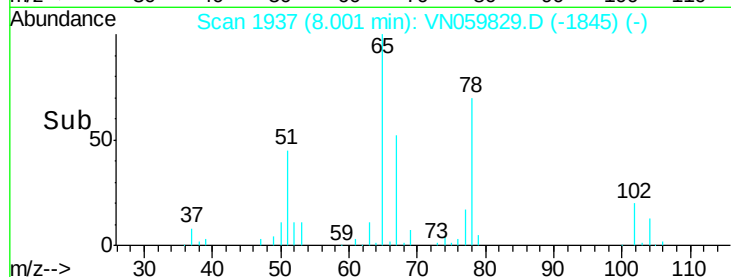
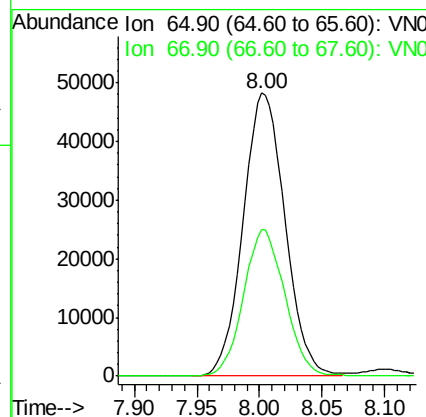
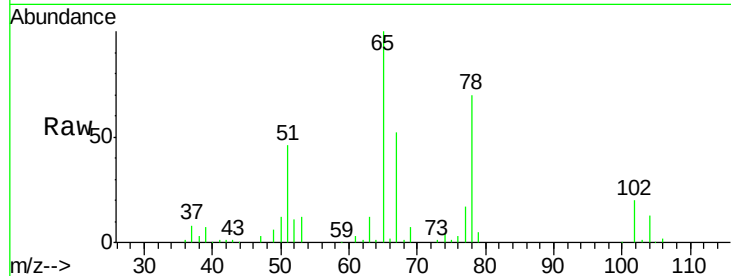
#33
 1,2-Dichloroethane-d4
 Concen: 49.779 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	103.0	

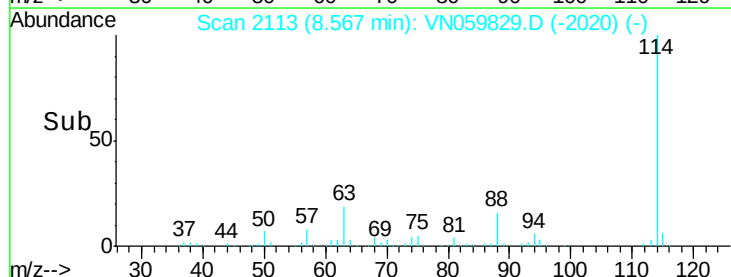
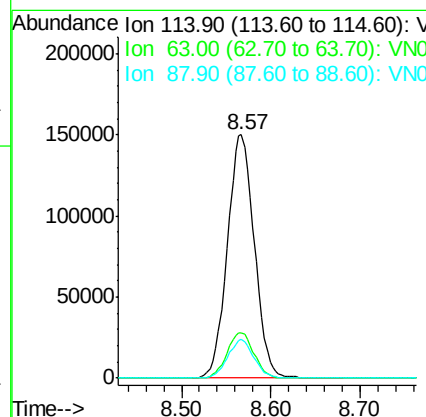
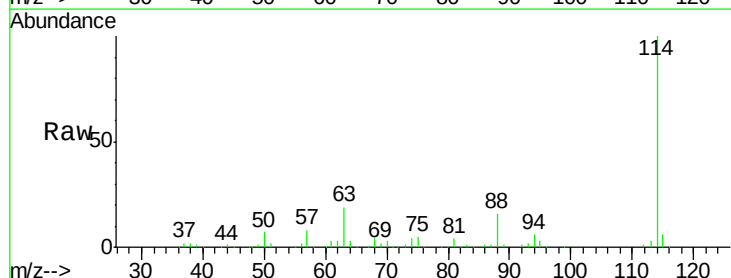
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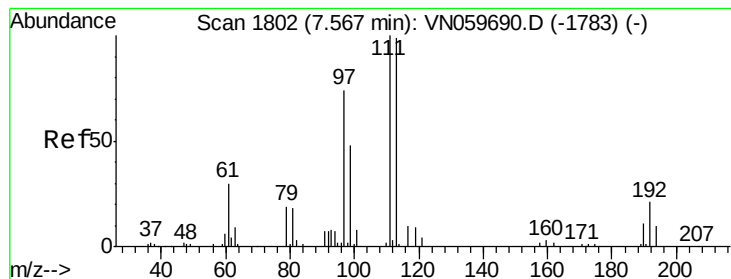
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.8	0.0	43.6	
88	15.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 50.251 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

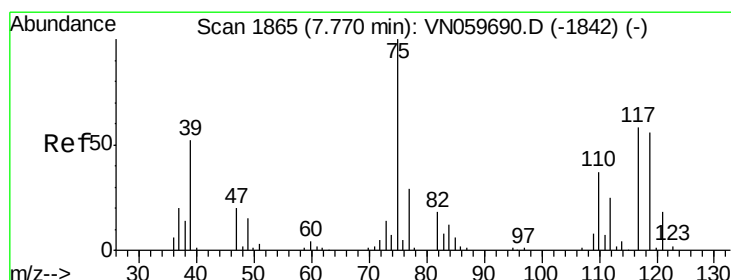
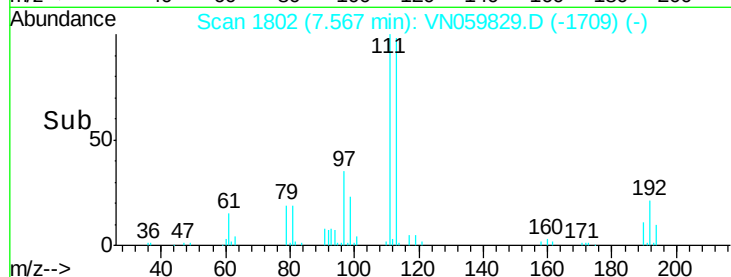
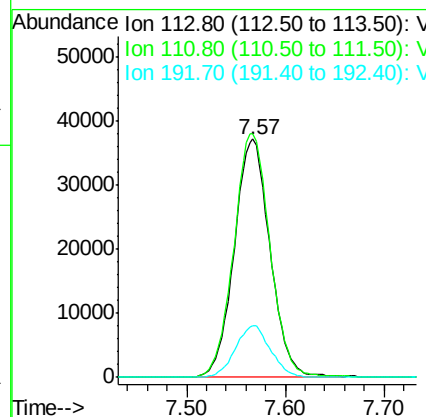
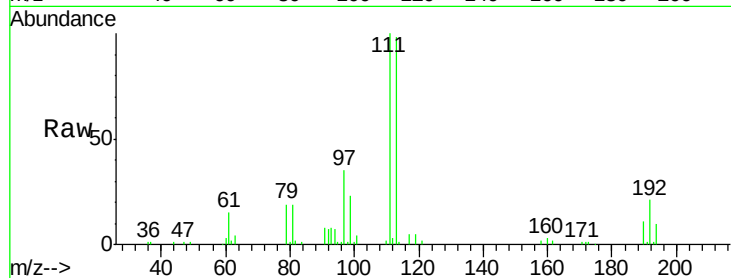
ClientSampleId :

VN0122WBSD01

Tot Ion:	113	Resp:	93993
Ion Ratio	Lower	Upper	
113	100		
111	103.6	83.5	125.3
192	21.2	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 19.785 ug/l

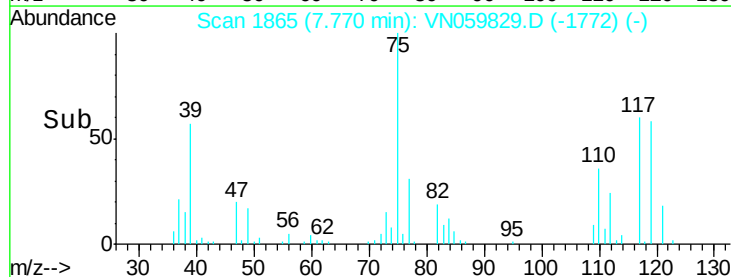
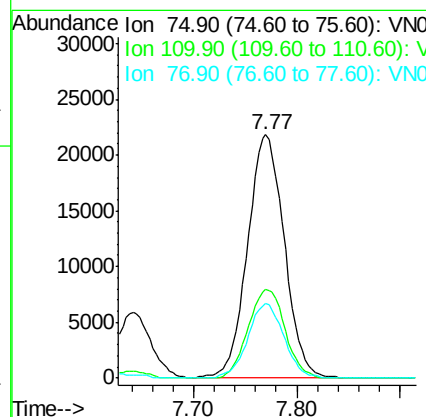
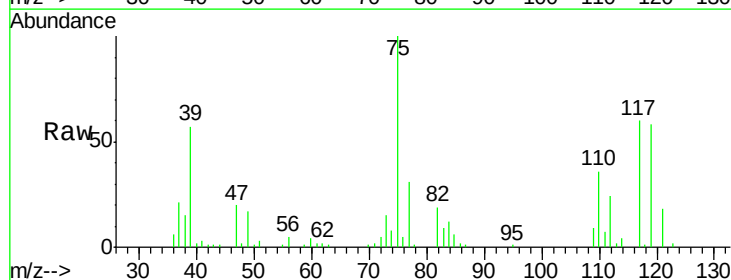
RT: 7.77 min Scan# 1865

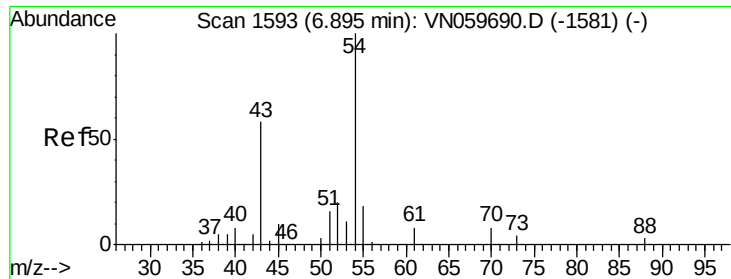
Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion:	75	Resp:	54041
Ion Ratio	Lower	Upper	
75	100		
110	36.5	16.6	49.7
77	30.0	25.1	37.7





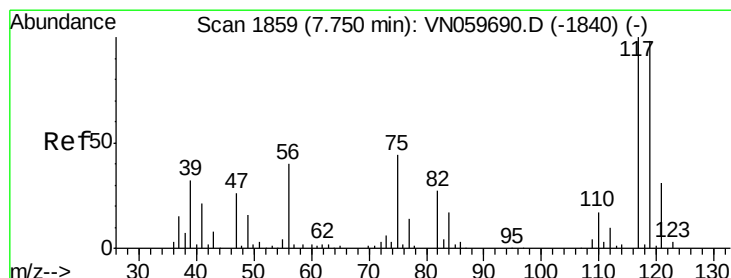
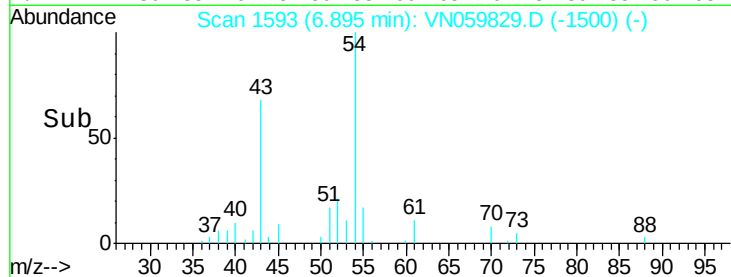
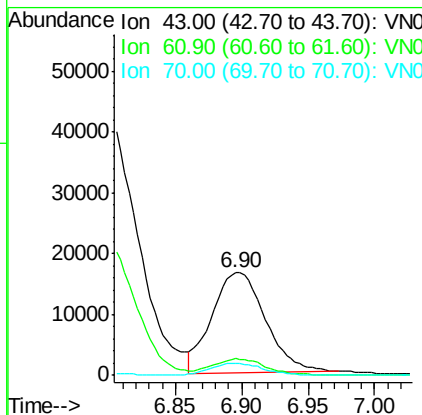
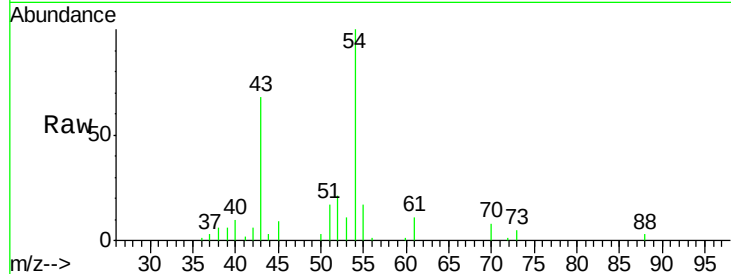
#37
Ethyl Acetate
Concen: 18.050 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	43	Resp	46240
Ion Ratio	100	Lower	Upper
43	100		
61	16.3	10.9	16.3
70	11.5	7.7	11.5

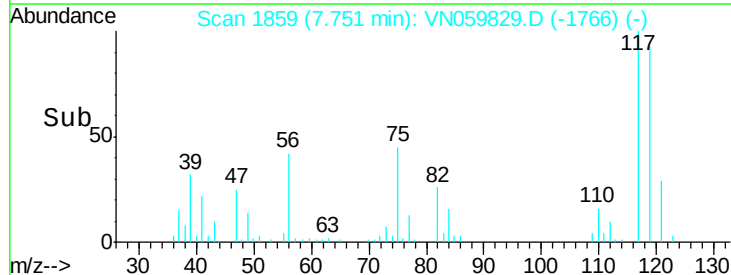
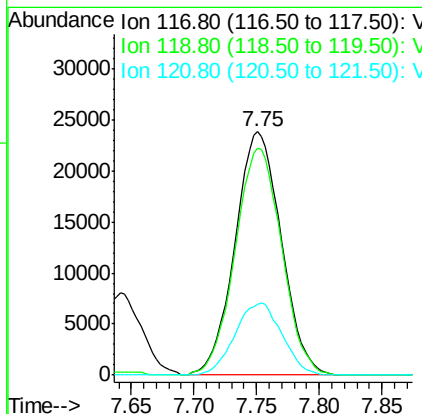
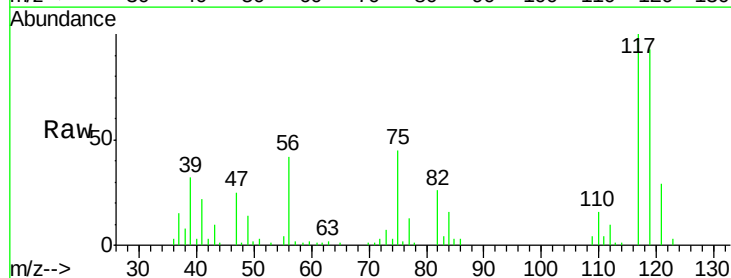
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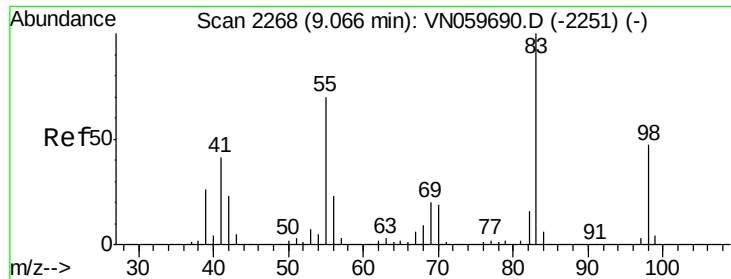
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#38
Carbon Tetrachloride
Concen: 20.524 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	117	Resp	60981
Ion Ratio	100	Lower	Upper
117	100		
119	93.3	76.5	114.7
121	29.2	25.1	37.7





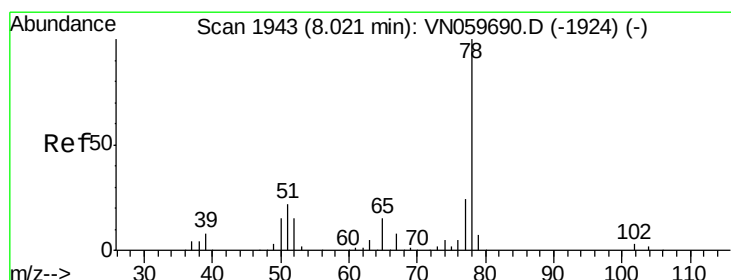
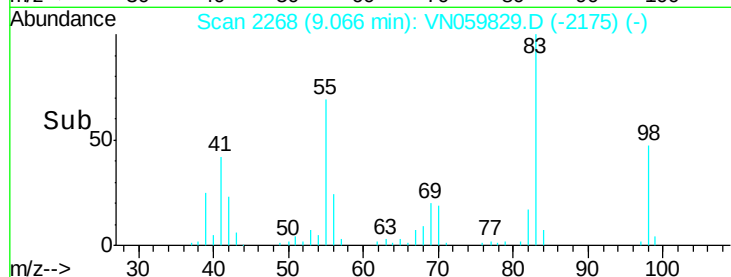
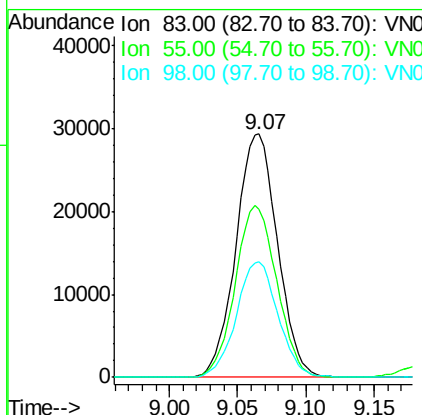
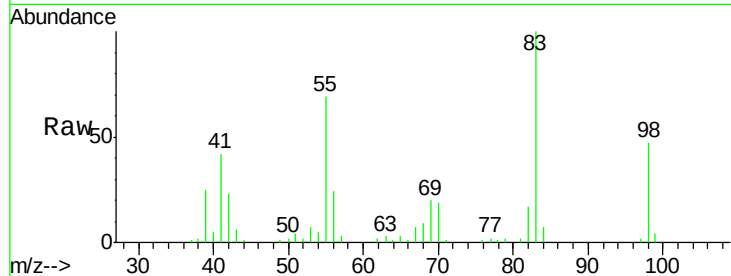
#39
Methylvlcyclohexane
Concen: 18.471 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.1	64.2	96.2
98	47.2	35.9	53.9

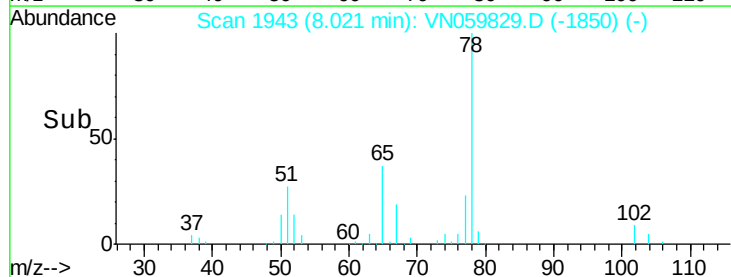
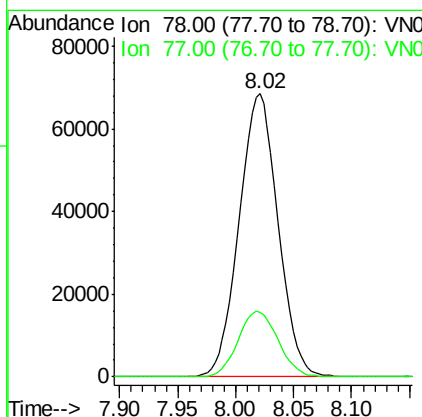
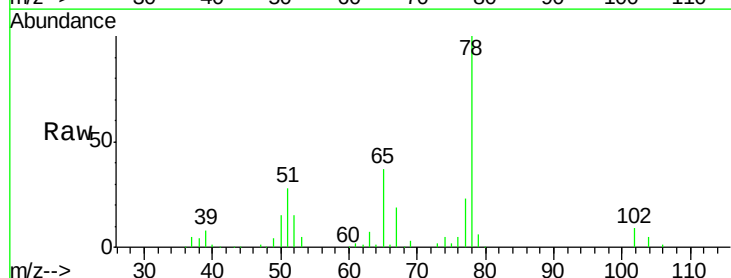
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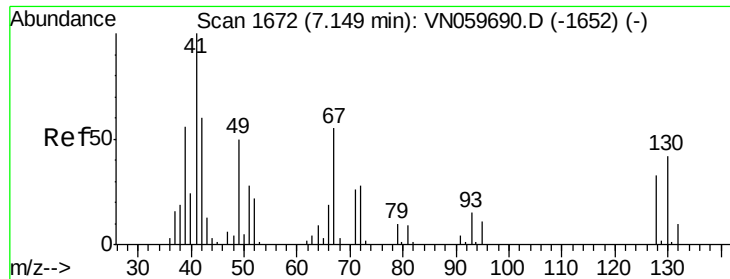
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#40
Benzene
Concen: 19.666 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.9	28.3





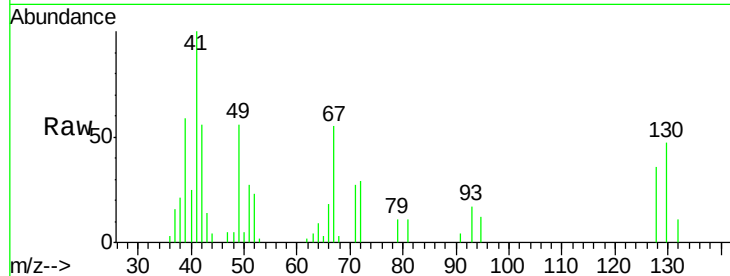
#41
Methacrylonitrile
Concen: 16.474 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

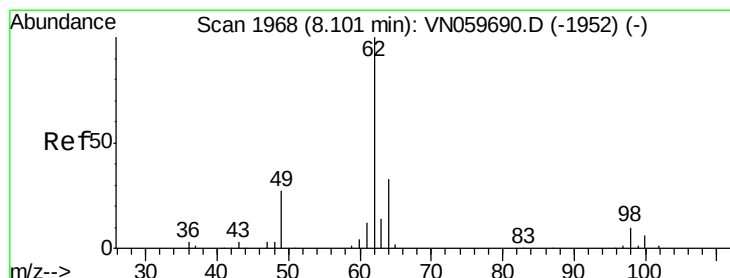
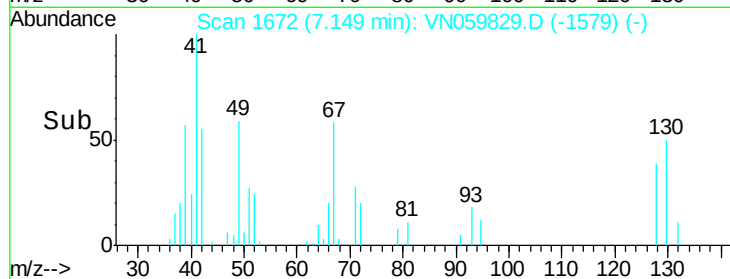
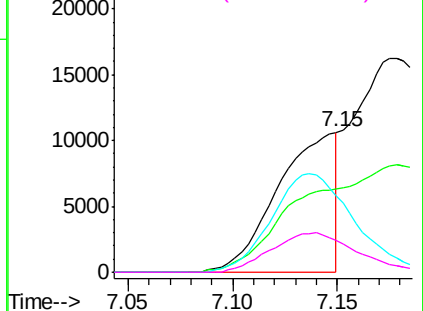
Tot Ion	41	Resp	20788
Ion	Ratio	Lower	Upper
41	100		
39	182.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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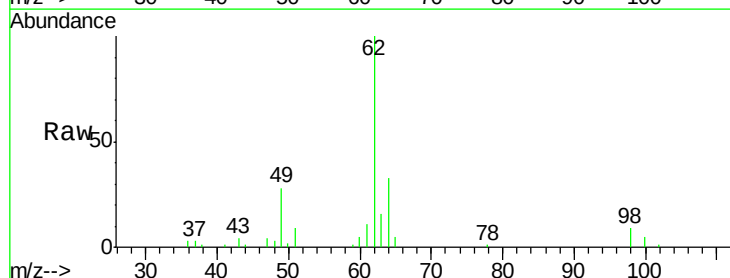


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

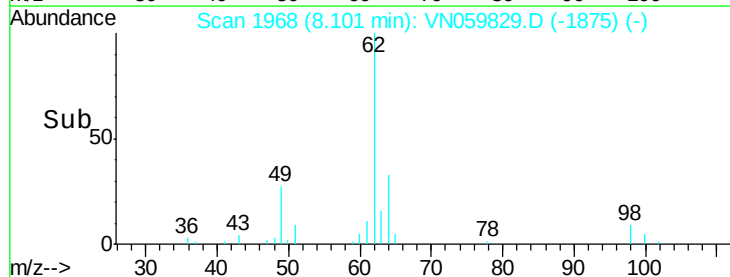
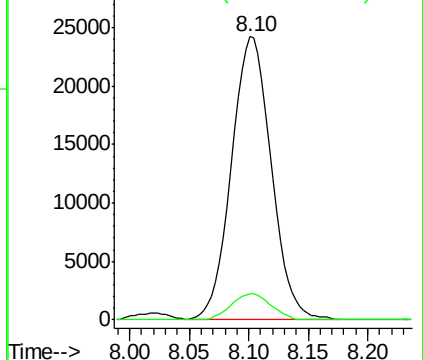


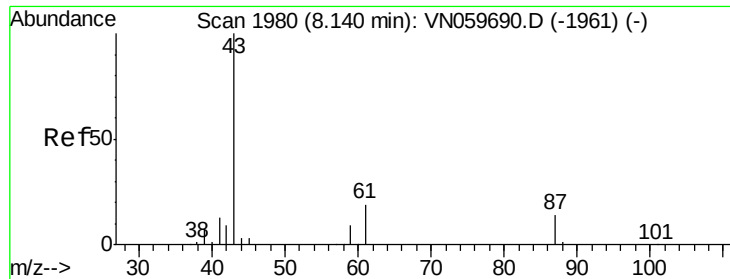
#42
1,2-Dichloroethane
Concen: 20.363 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	62	Resp	56241
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8



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





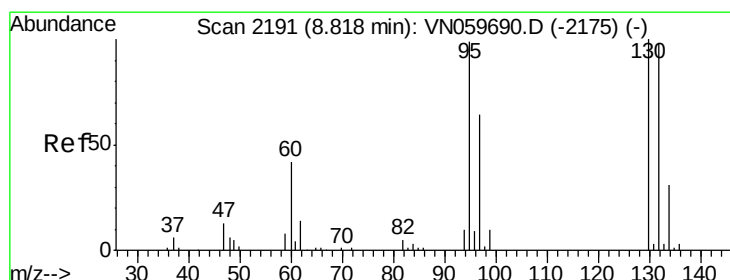
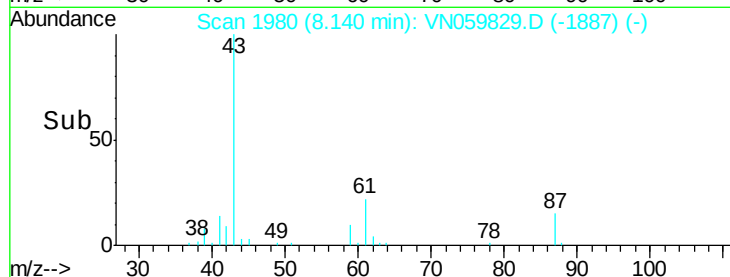
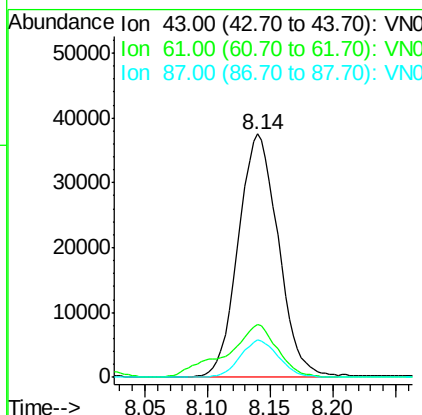
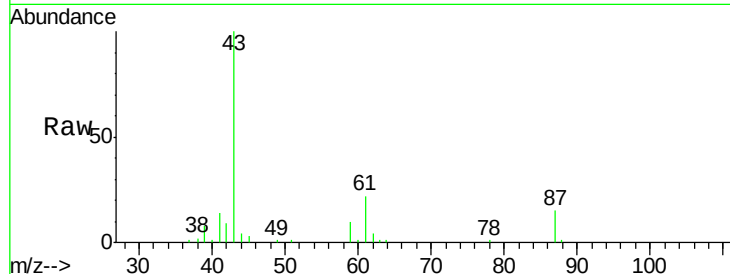
#43
Isopropyl Acetate
Concen: 18.961 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.2	30.2
87	14.7	9.5	14.3

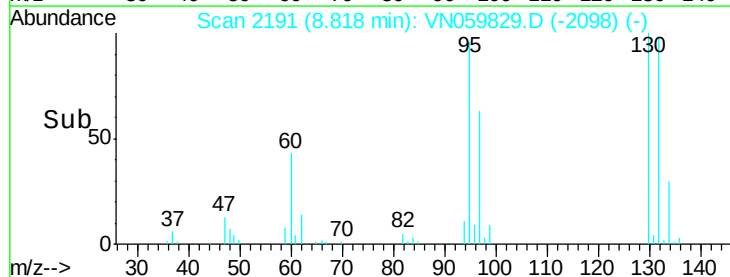
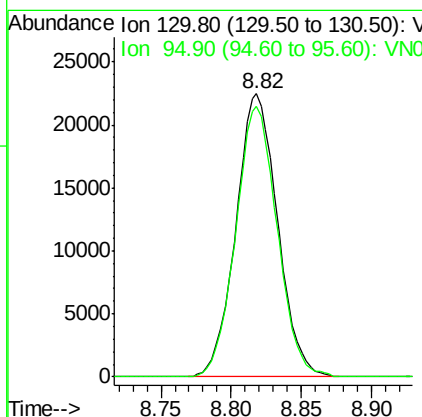
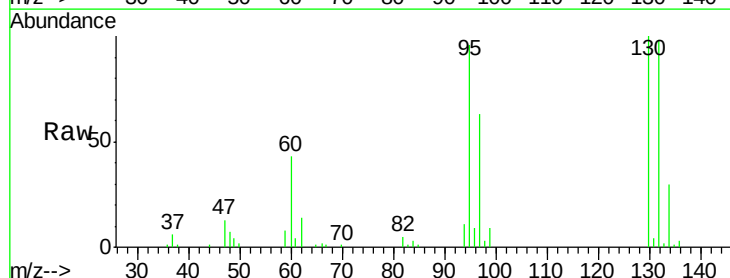
Manual Integrations
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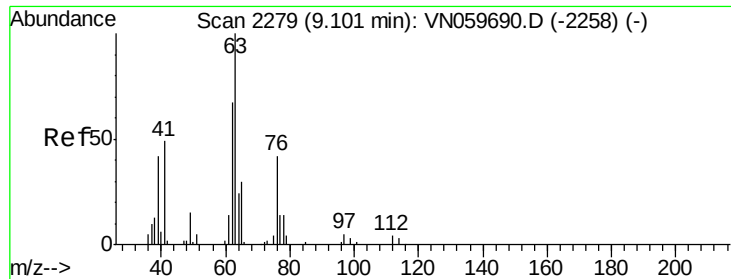
MMDadoda
1/24/2020 10:14:42 AM



#44
Trichloroethene
Concen: 20.846 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.5	0.0	207.0





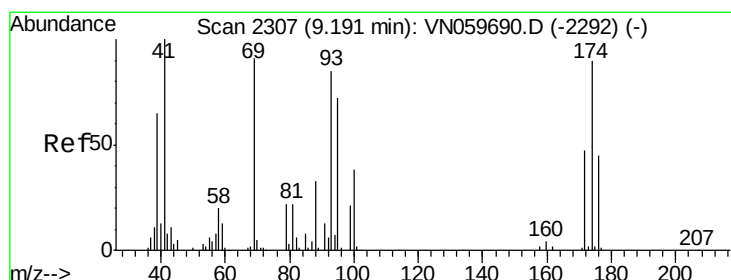
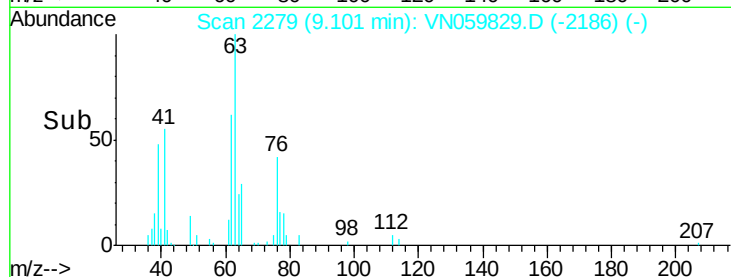
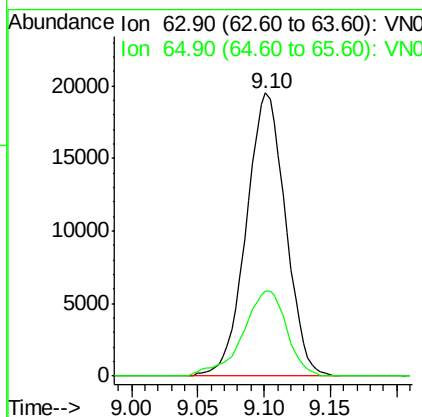
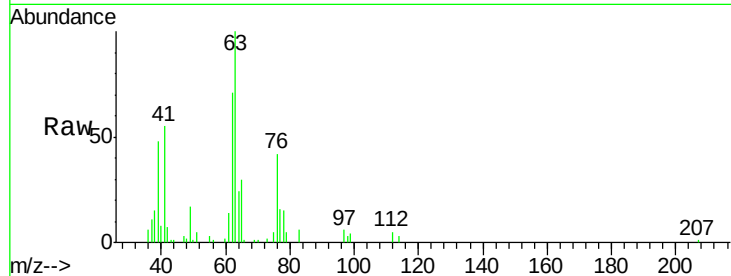
#45
 1,2-Dichloropropane
 Concen: 19.926 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion: 63 Resp: 40167
 Ion Ratio Lower Upper
 63 100
 65 29.8 24.9 37.3

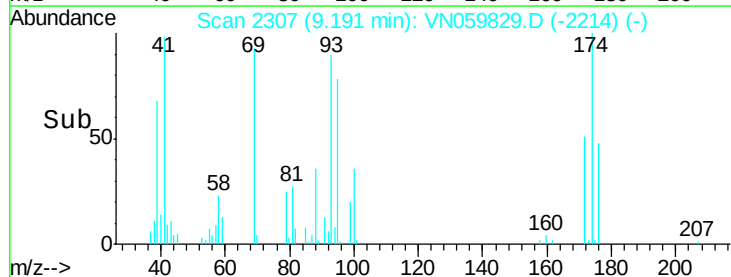
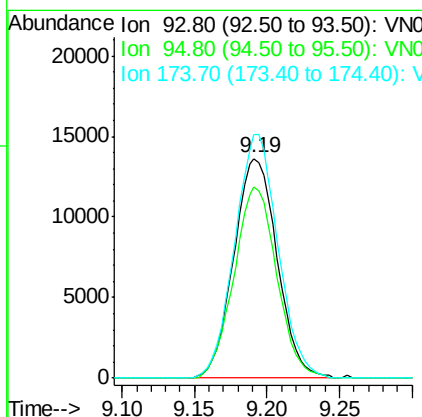
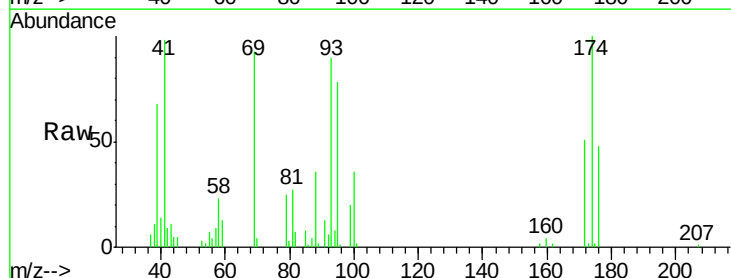
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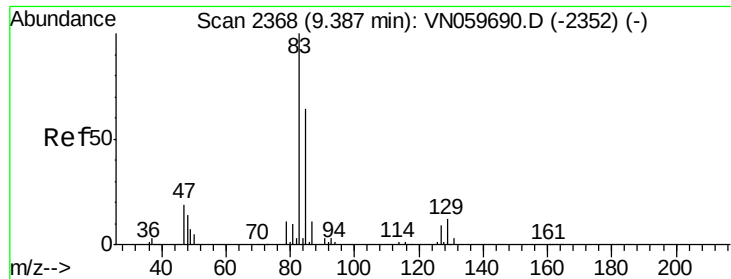
MMDadoda
 1/24/2020 10:14:42 AM



#46
 Dibromomethane
 Concen: 19.907 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion: 93 Resp: 28306
 Ion Ratio Lower Upper
 93 100
 95 85.8 67.0 100.6
 174 110.7 73.4 110.2#





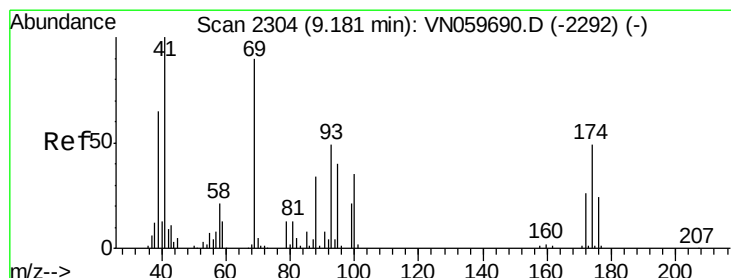
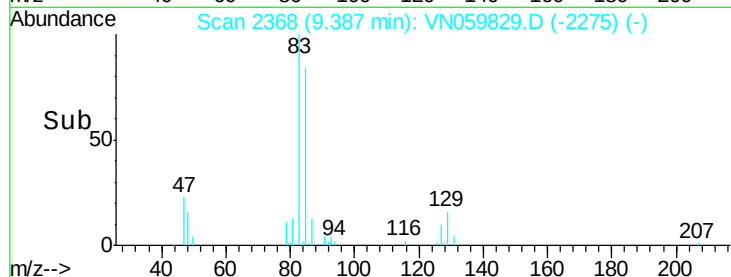
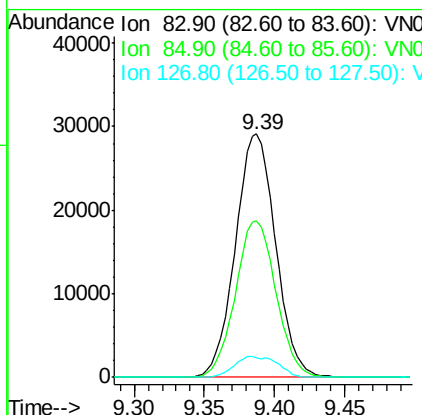
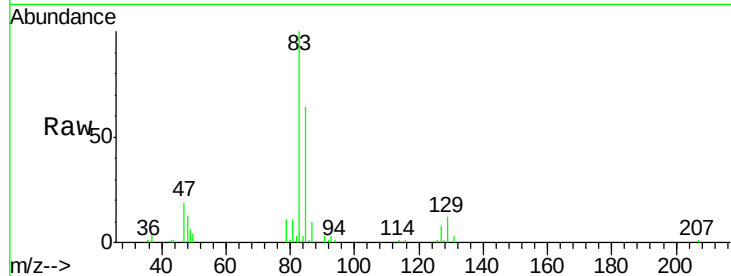
#47
Bromodichloromethane
Concen: 20.324 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	83	Resp	58236
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	8.0	6.6	9.8

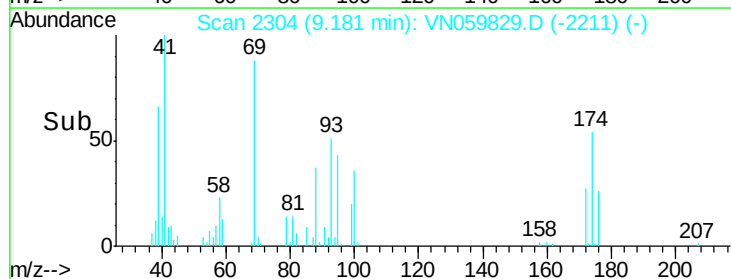
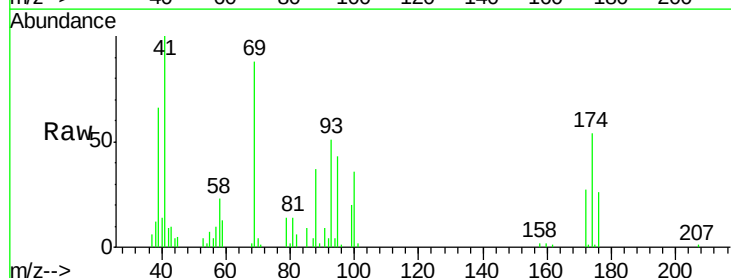
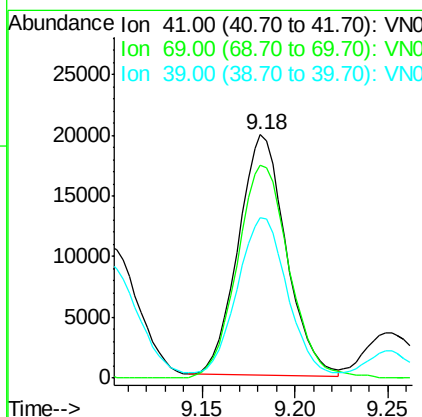
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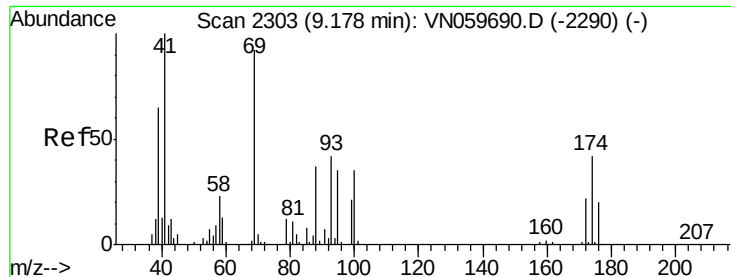
MMDadoda
1/24/2020 10:14:42 AM



#48
Methyl methacrylate
Concen: 18.102 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	41	Resp	35679
Ion Ratio	100	Lower	Upper
41	100		
69	95.9	64.4	96.6
39	70.9	51.3	76.9





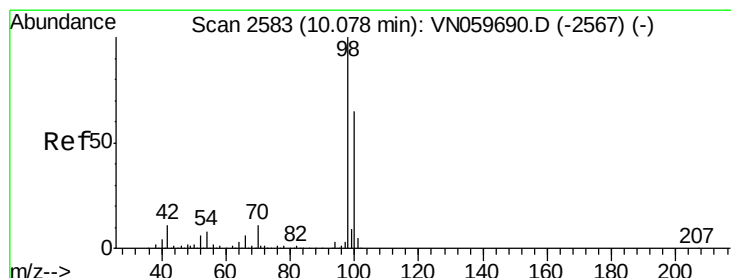
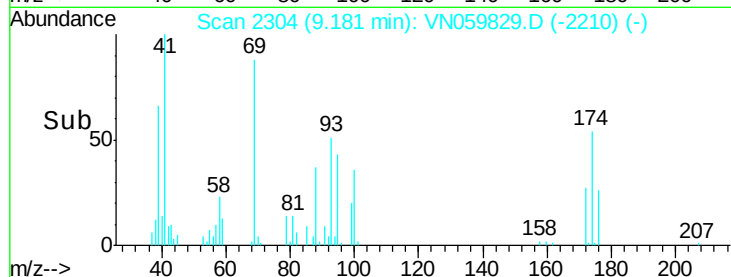
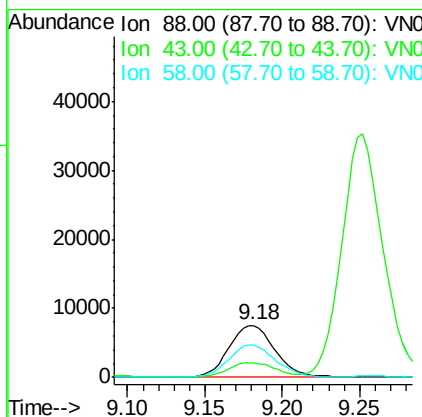
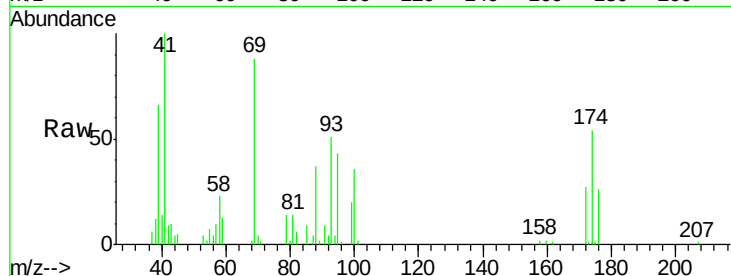
#49
1,4-Dioxane
Concen: 429.577 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	29.7	44.5#
58	63.2	56.6	85.0

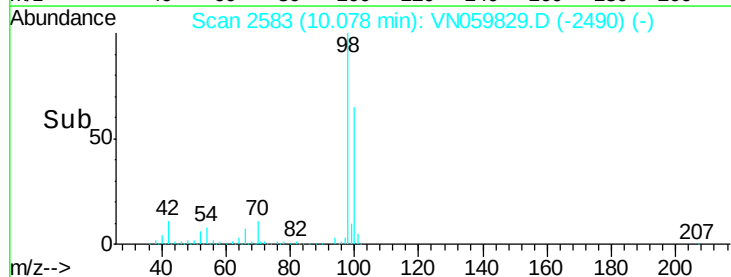
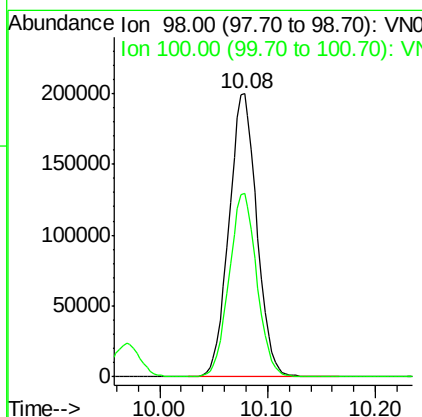
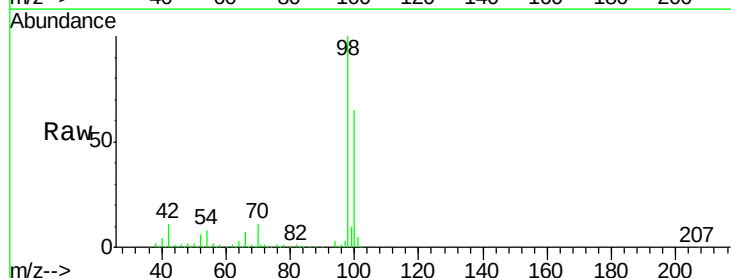
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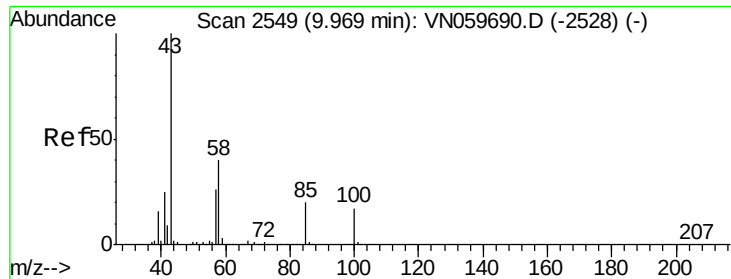
MMDadoda
1/24/2020 10:14:42 AM



#50
Toluene-d8
Concen: 49.643 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 95.392 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

Tot Ion: 43 Resp: 242988

Ion Ratio Lower Upper

43 100

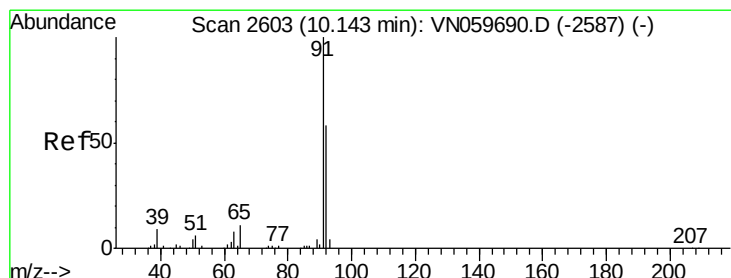
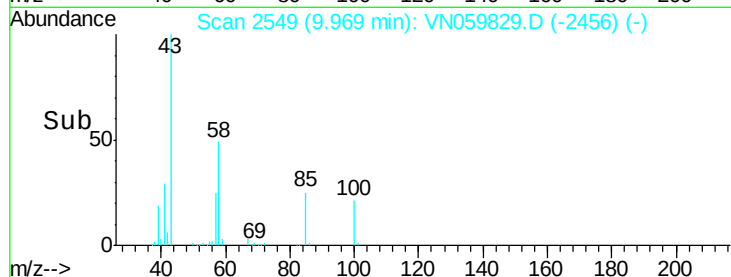
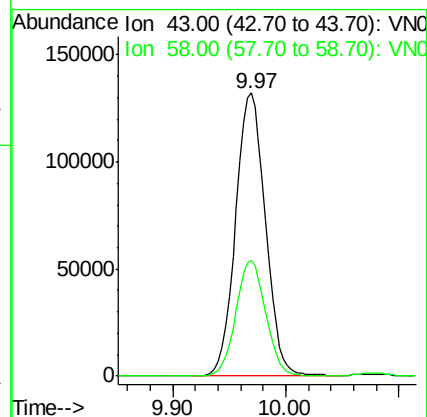
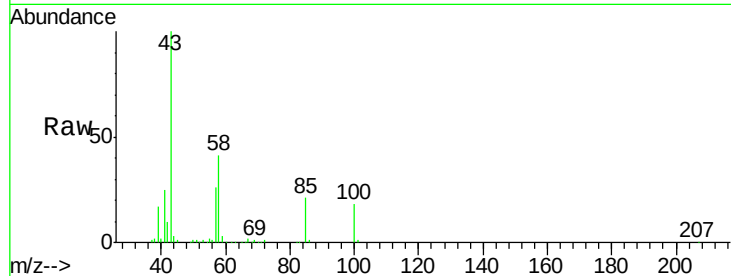
58 40.8 29.8 44.8

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#52

Toluene

Concen: 20.002 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059829.D

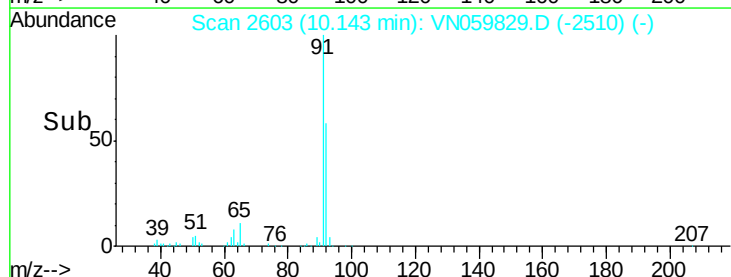
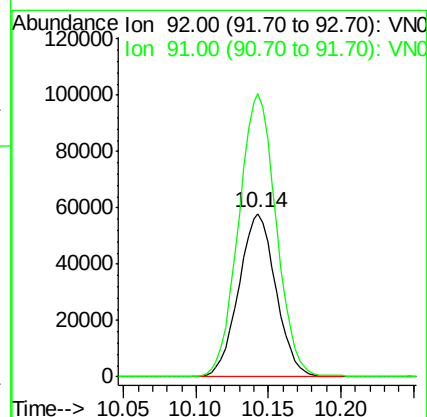
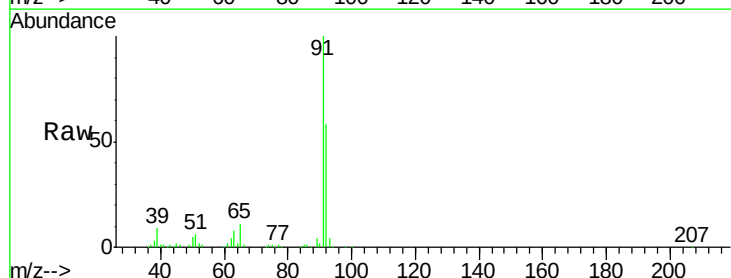
Acq: 22 Jan 2020 14:05

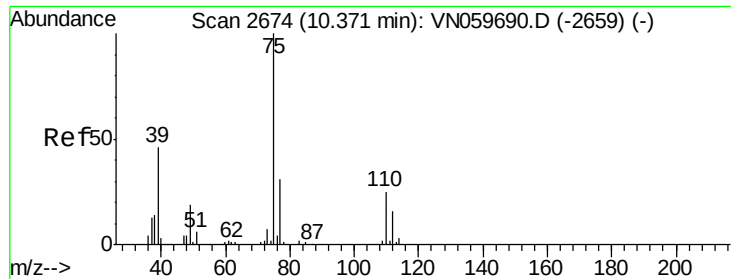
Tgt Ion: 92 Resp: 102920

Ion Ratio Lower Upper

92 100

91 175.8 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 19.562 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 75 Resp: 62589

Ion Ratio Lower Upper

75 100

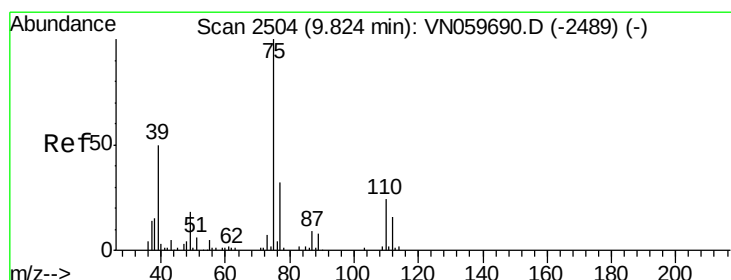
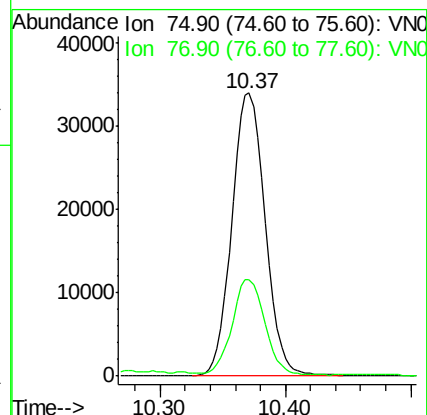
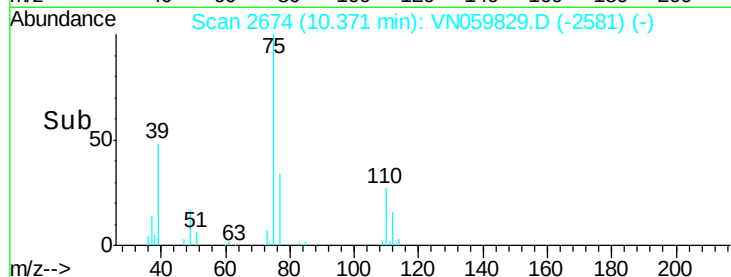
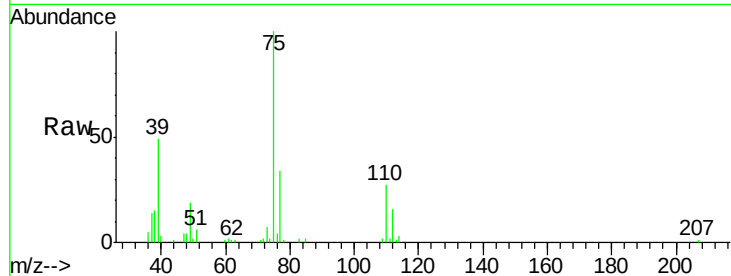
77 33.5 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.192 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

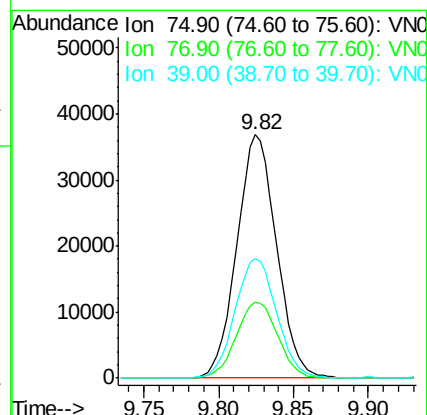
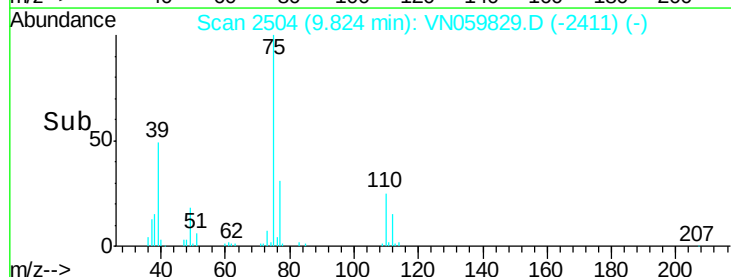
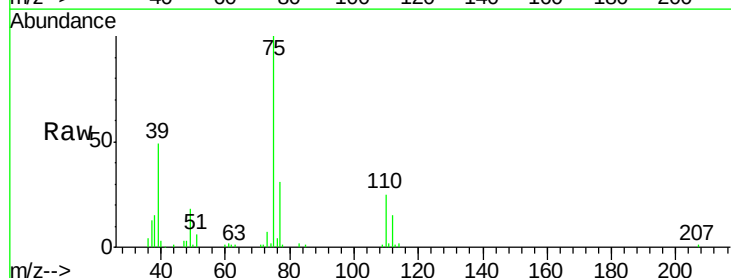
Tgt Ion: 75 Resp: 67975

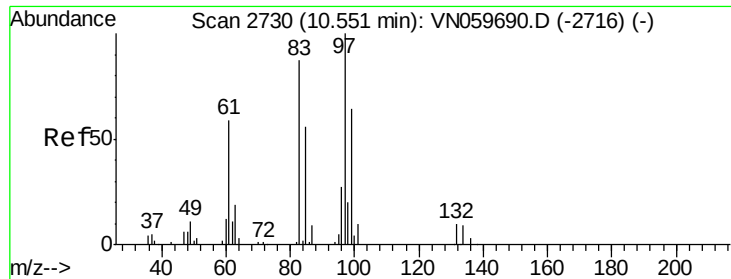
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 49.3 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.439 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

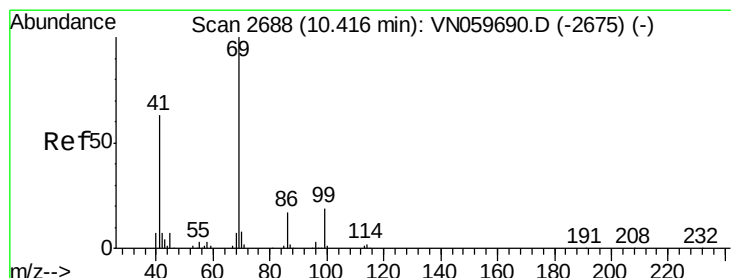
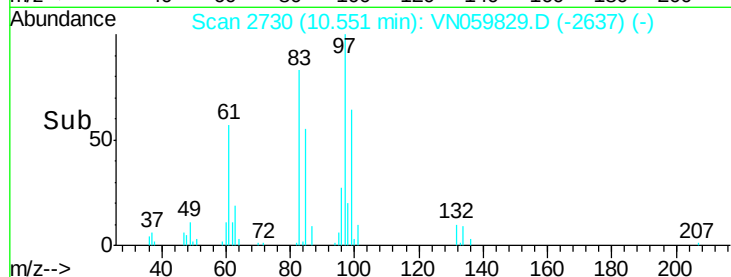
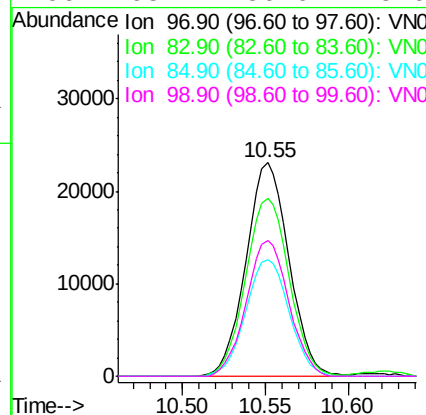
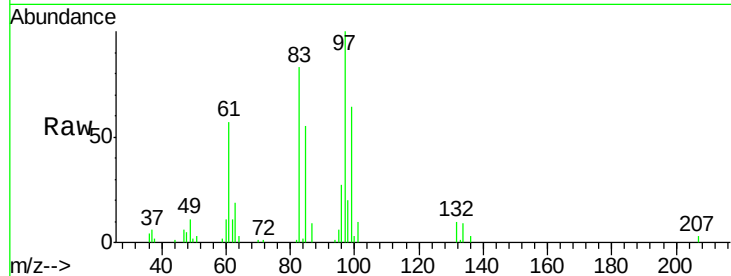
ClientSampleId :

VN0122WBSD01

Tot Ion:	97	Resp:	41652
Ion	Ratio	Lower	Upper
97	100		
83	83.3	71.3	106.9
85	54.5	45.8	68.8
99	63.7	50.0	75.0

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#56

Ethyl methacrylate

Concen: 18.797 ug/l

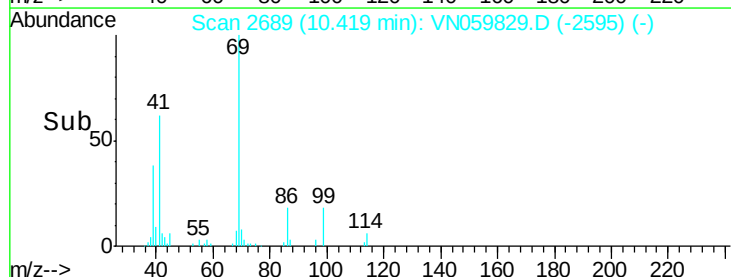
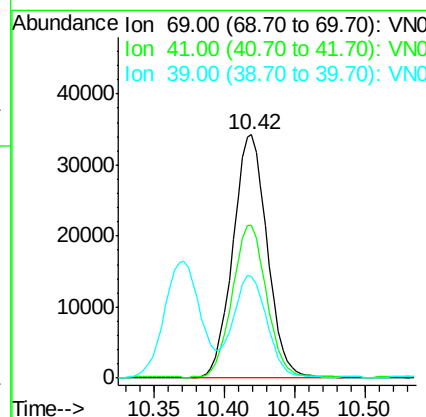
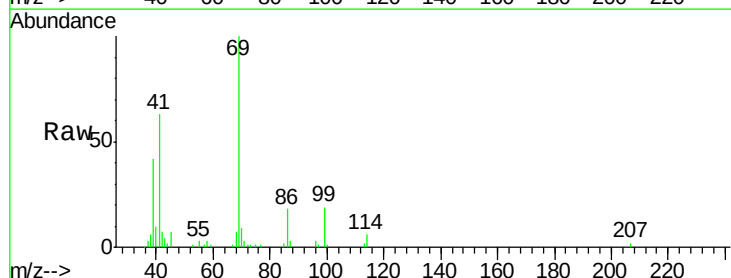
RT: 10.42 min Scan# 2689

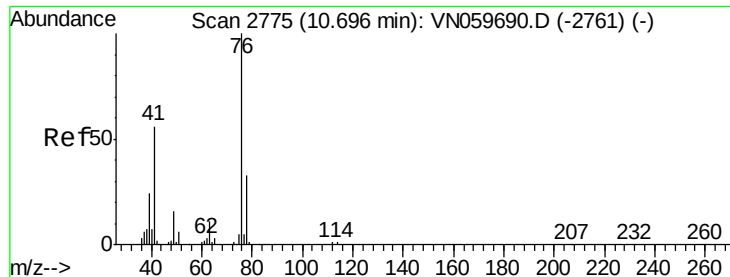
Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion:	69	Resp:	58533
Ion	Ratio	Lower	Upper
69	100		
41	63.5	57.1	85.7
39	42.9	34.7	52.1





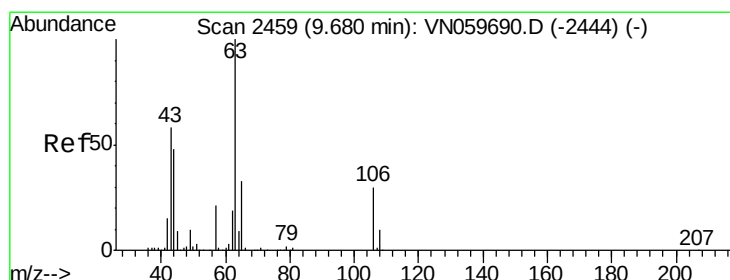
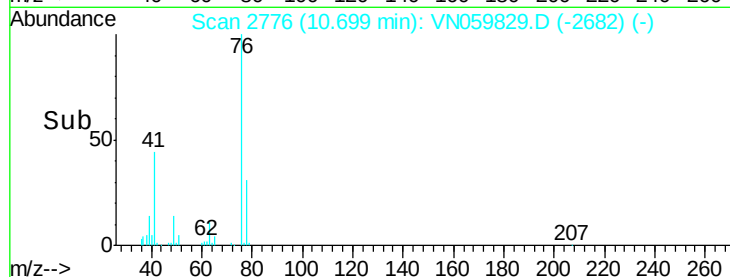
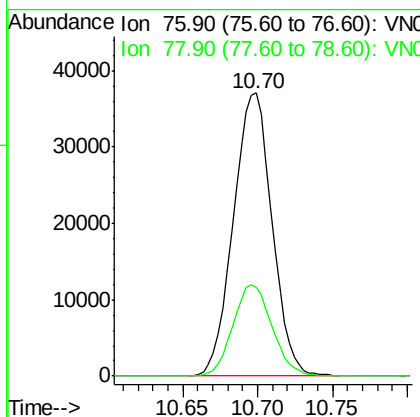
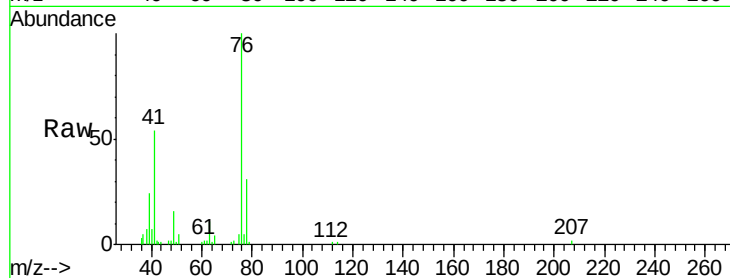
#57
 1,3-Dichloropropane
 Concen: 20.607 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion: 76 Resp: 66672
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8

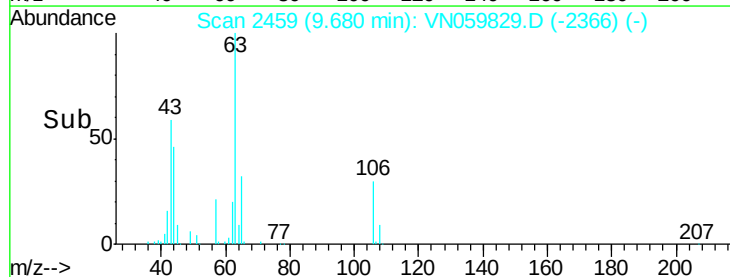
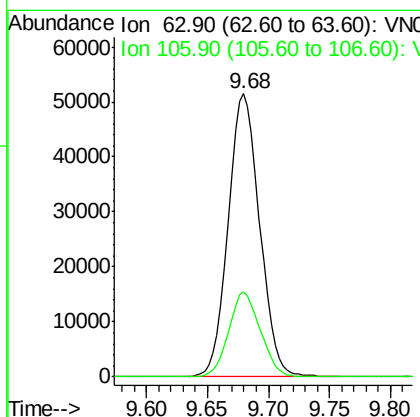
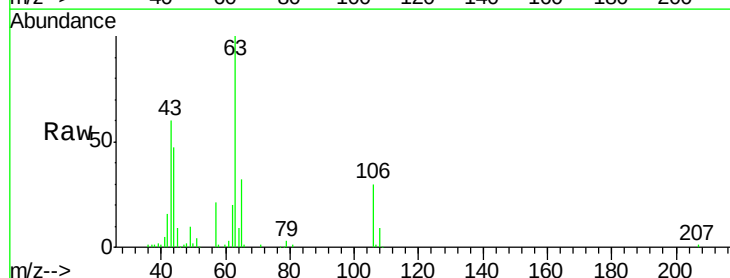
Manual Integrations
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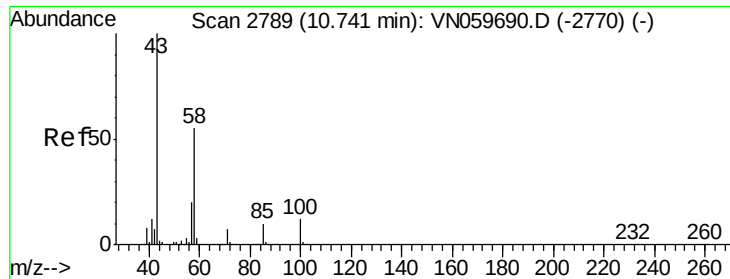
MMDadoda
 1/24/2020 10:14:42 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.844 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion: 63 Resp: 92708
 Ion Ratio Lower Upper
 63 100
 106 29.9 20.2 30.2





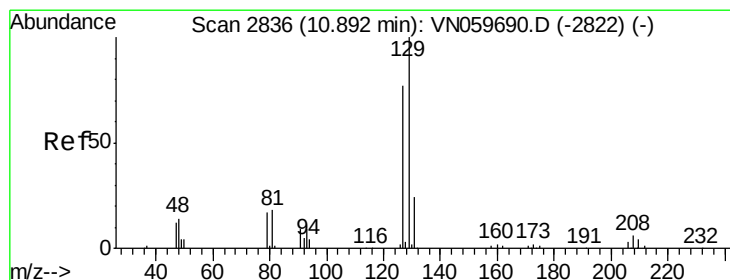
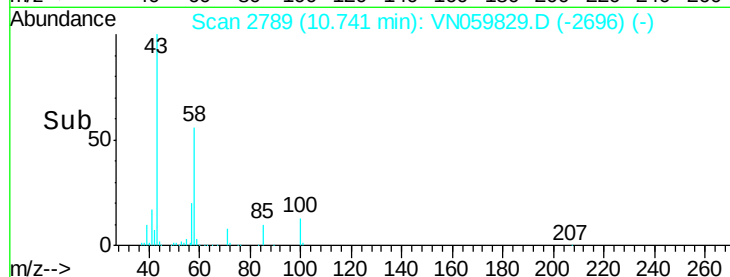
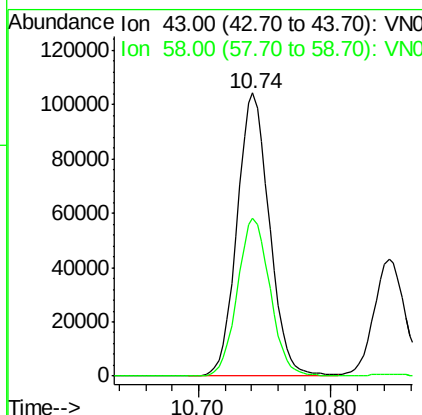
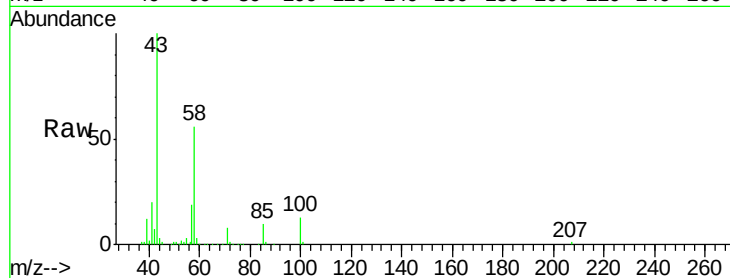
#59
2-Hexanone
Concen: 94.276 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion: 43 Resp: 176916
Ion Ratio Lower Upper
43 100
58 56.3 25.8 77.3

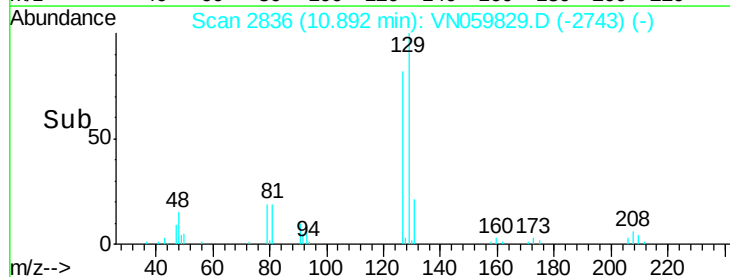
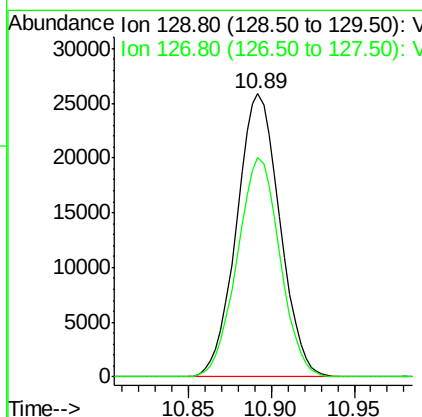
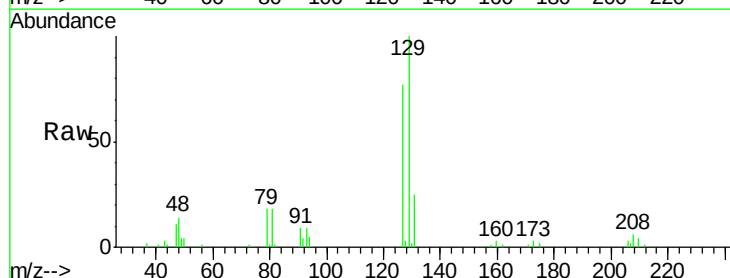
Manual Integrations
APPROVED

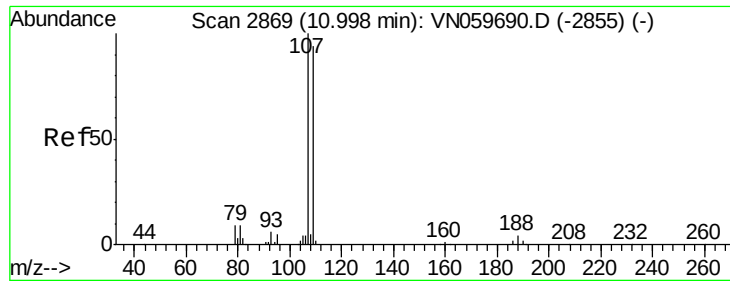
MMDadoda
1/24/2020 10:14:42 AM



#60
Dibromochloromethane
Concen: 20.208 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion: 129 Resp: 46896
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





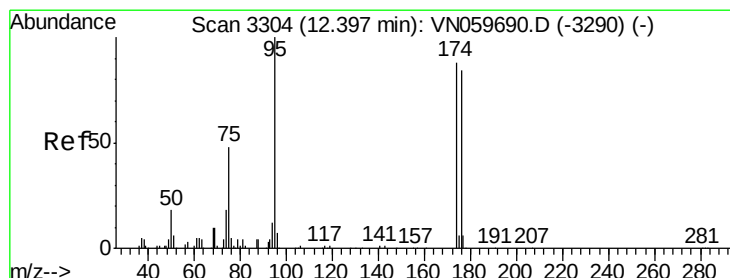
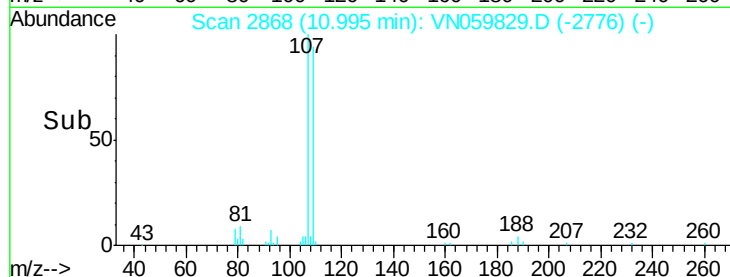
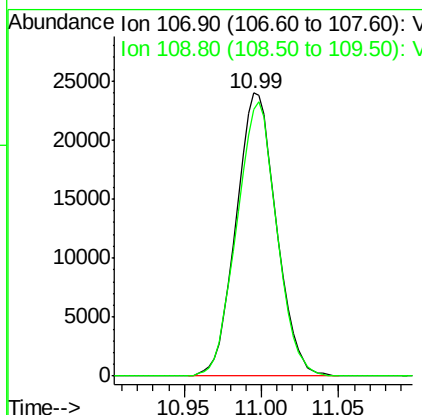
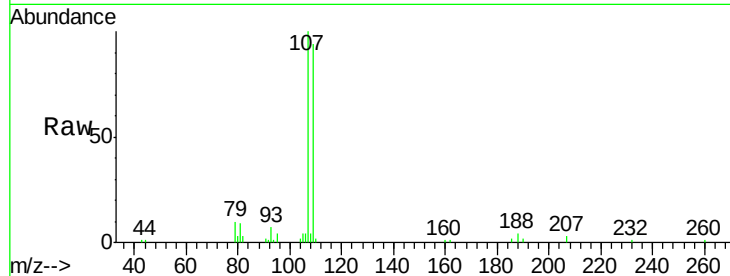
#61
 1,2-Dibromoethane
 Concen: 20.307 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	76.6	115.0

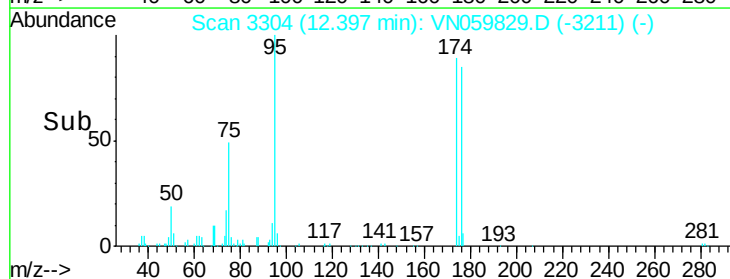
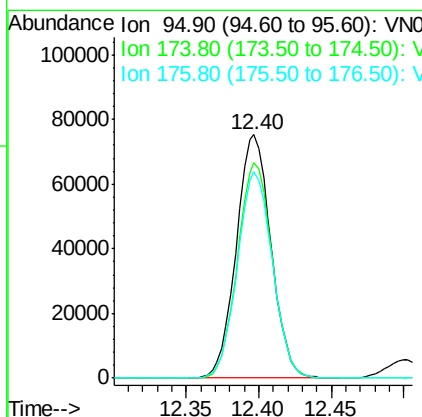
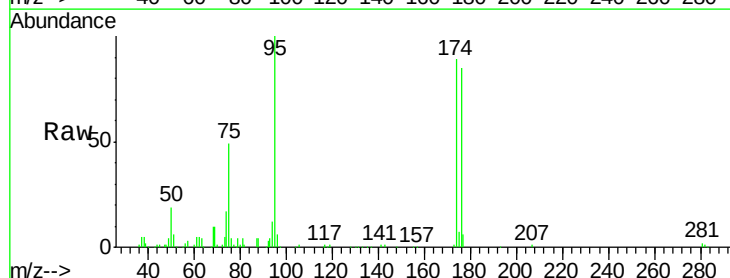
Manual Integrations
 APPROVED

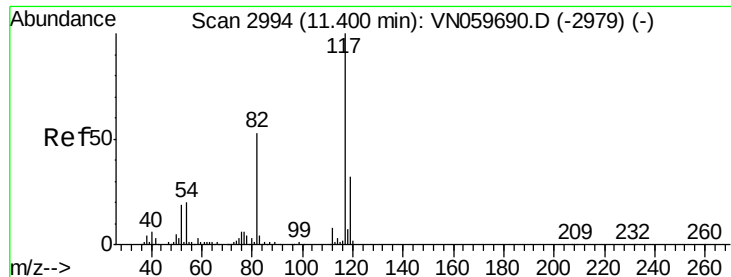
MMDadoda
 1/24/2020 10:14:42 AM



#62
 4-Bromofluorobenzene
 Concen: 47.791 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	151.4
176	85.7	0.0	146.0





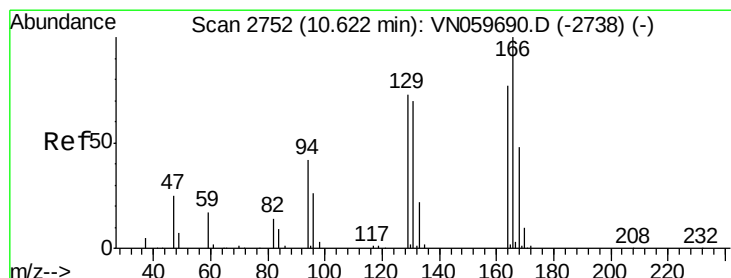
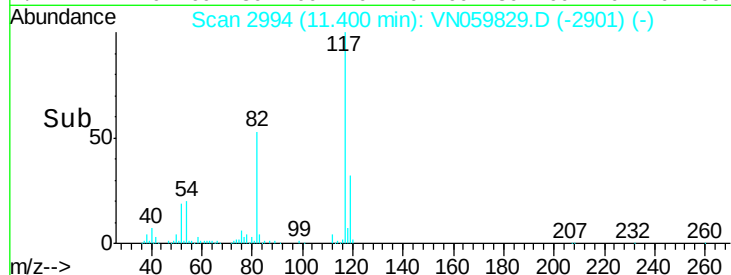
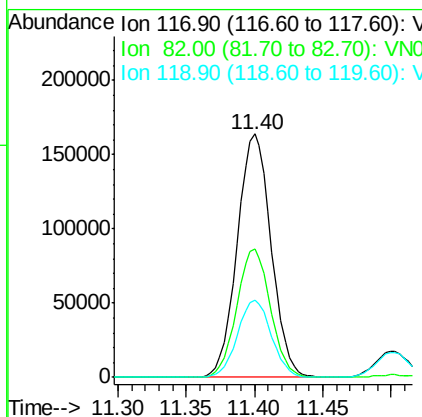
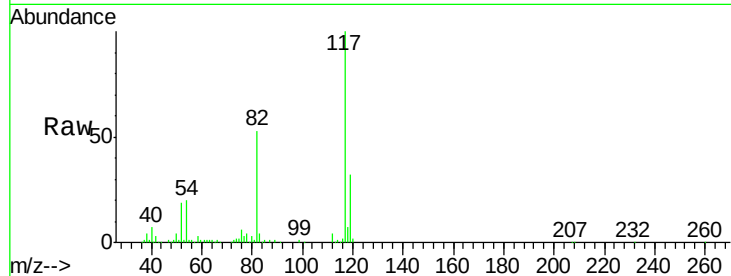
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.9	68.9
119	31.6	25.5	38.3

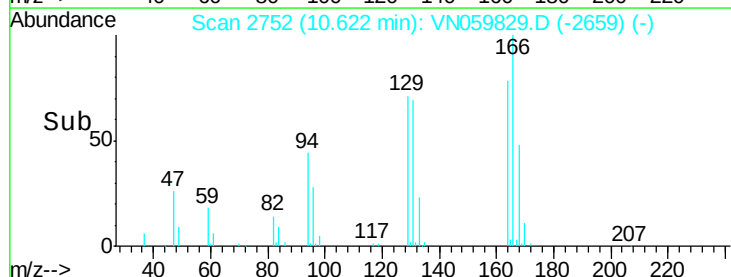
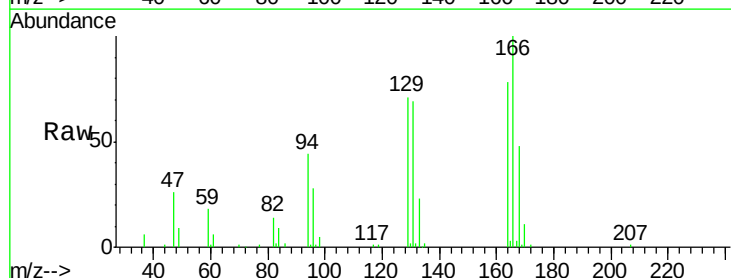
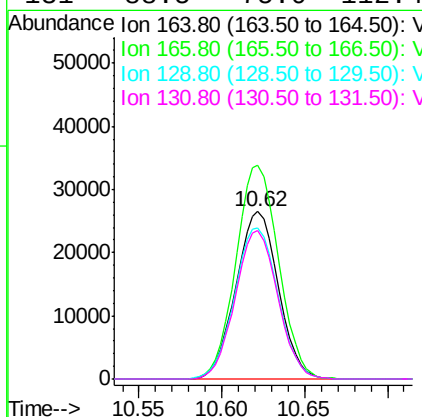
Manual Integrations
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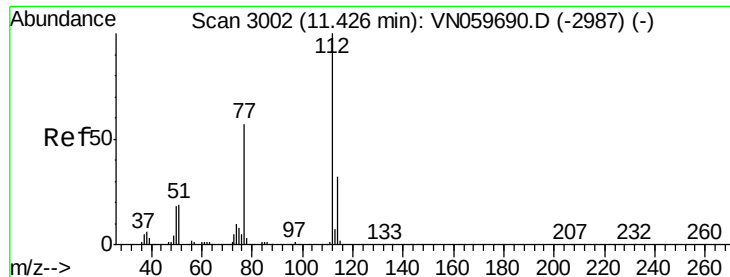
MMDadoda
1/24/2020 10:14:42 AM



#64
Tetrachloroethene
Concen: 20.451 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.4	152.0
129	90.0	80.2	120.4
131	88.5	75.0	112.4





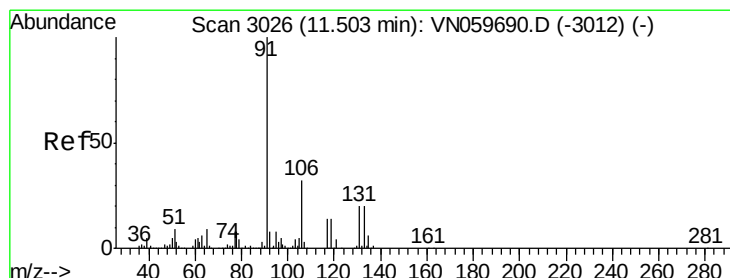
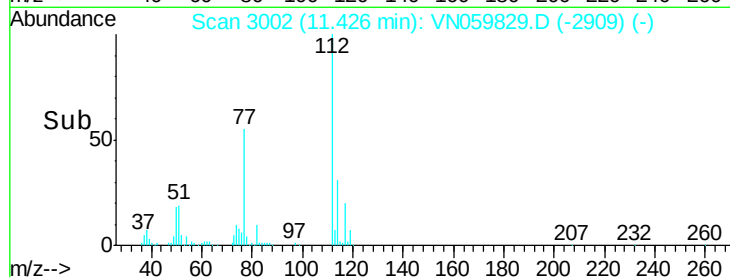
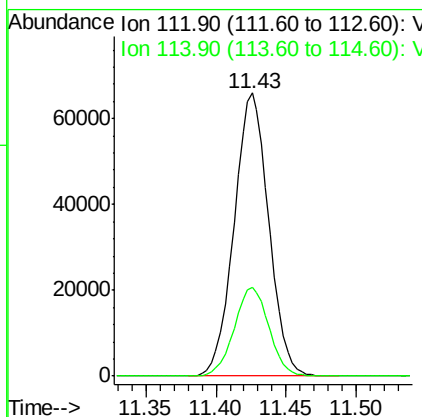
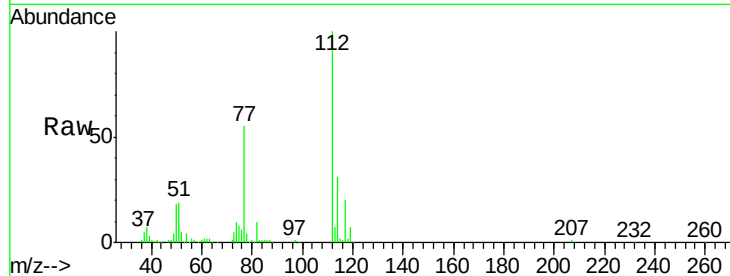
#65
Chlorobenzene
Concen: 20.327 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion:112 Resp: 113084
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8

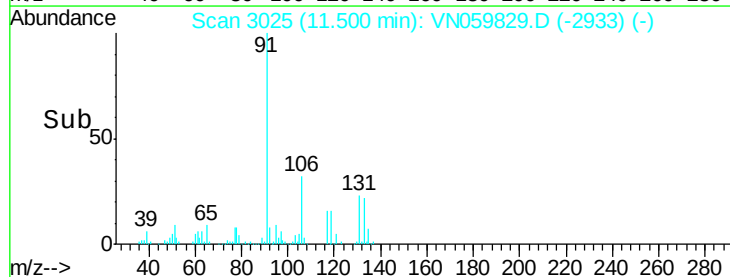
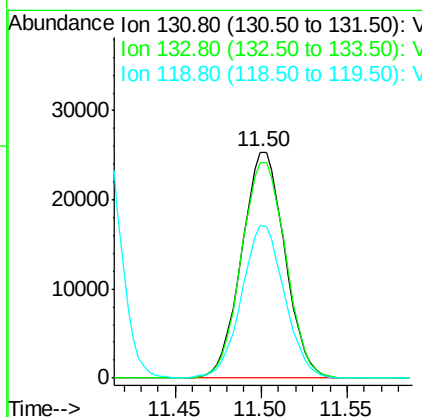
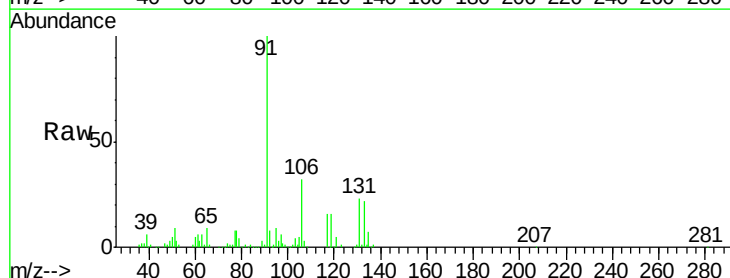
Manual Integrations
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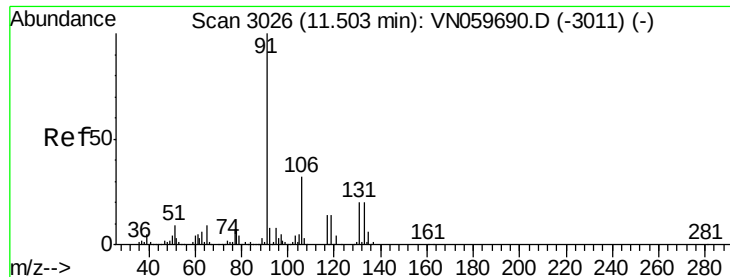
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.541 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion:131 Resp: 44157
Ion Ratio Lower Upper
131 100
133 98.3 47.4 142.2
119 67.1 33.1 99.3





#67

Ethyl Benzene

Concen: 19.809 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampled :

VN0122WBSD01

Tot Ion: 91 Resp: 200052

Ion Ratio Lower Upper

91 100

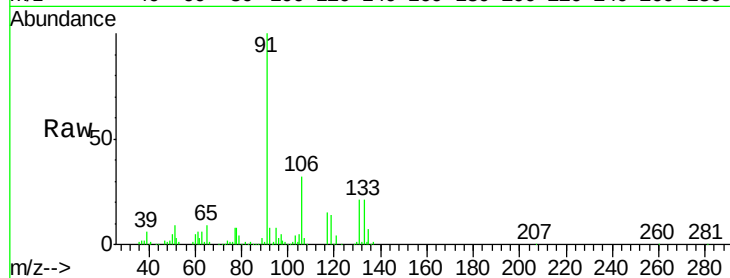
106 31.6 24.1 36.1

Manual Integrations

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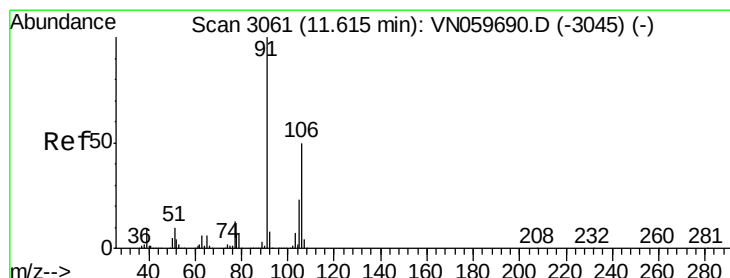
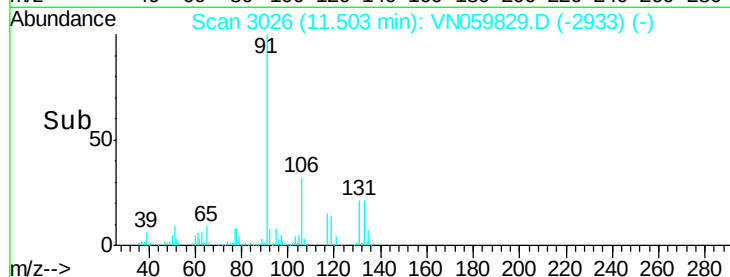
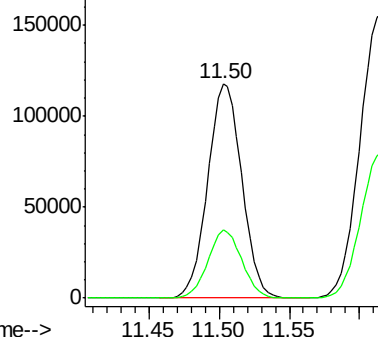
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.913 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059829.D

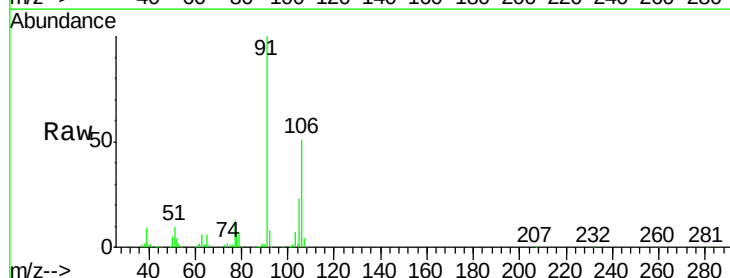
Acq: 22 Jan 2020 14:05

Tgt Ion: 106 Resp: 152264

Ion Ratio Lower Upper

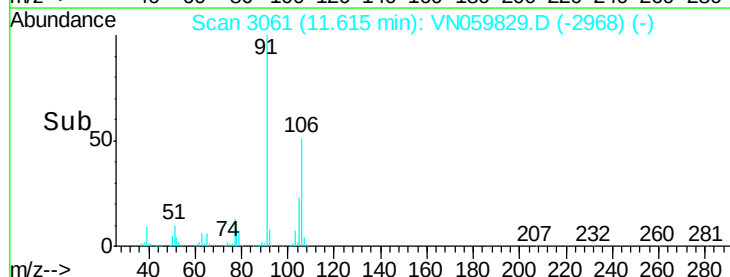
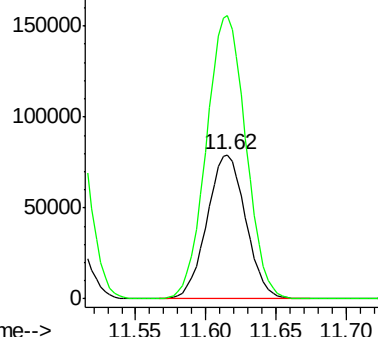
106 100

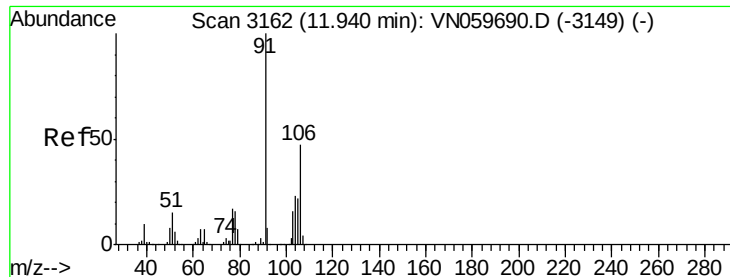
91 200.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





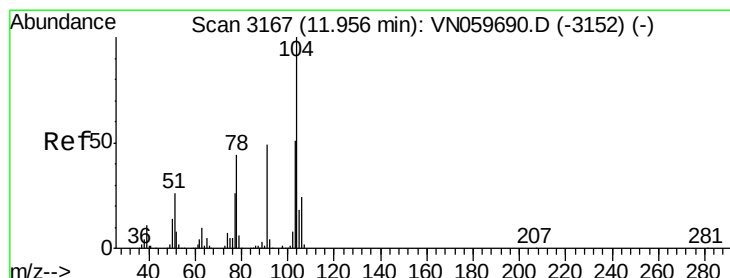
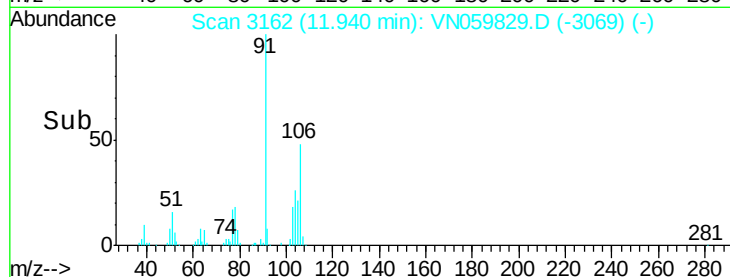
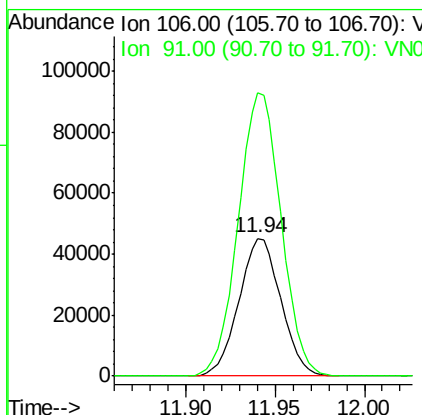
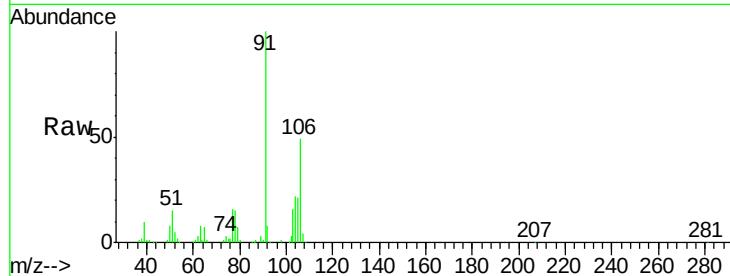
#69
o-Xylene
Concen: 19.887 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.3	110.3	330.9	

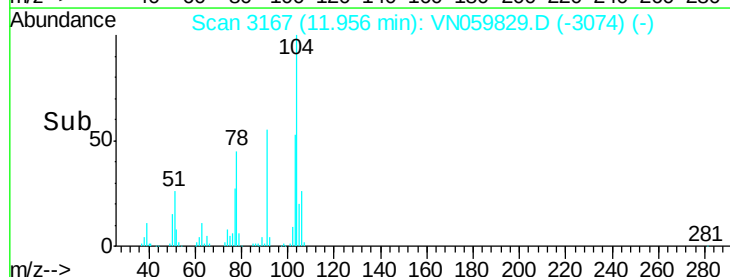
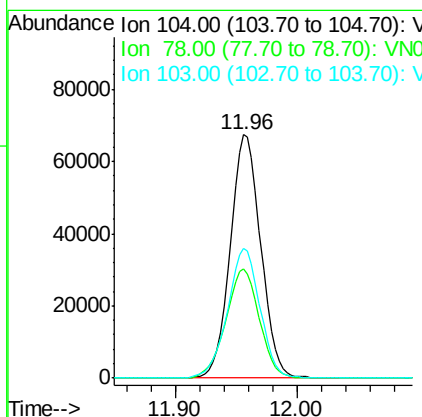
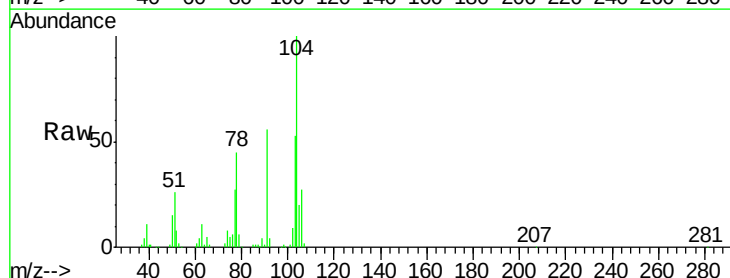
Manual Integrations
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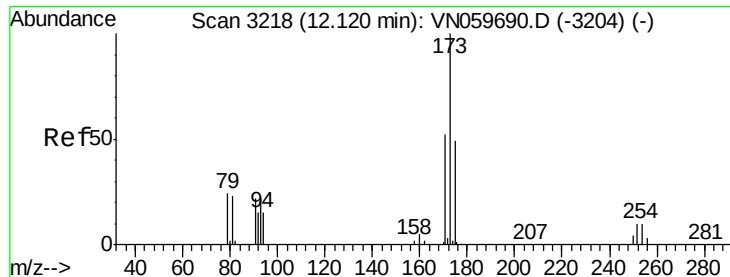
MMDadoda
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#70
Styrene
Concen: 18.775 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.2	42.4	63.6	
103	56.6	43.9	65.9	





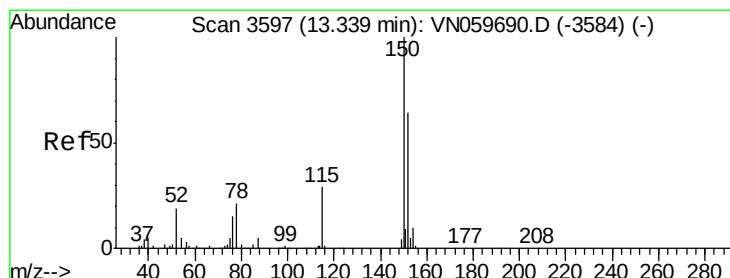
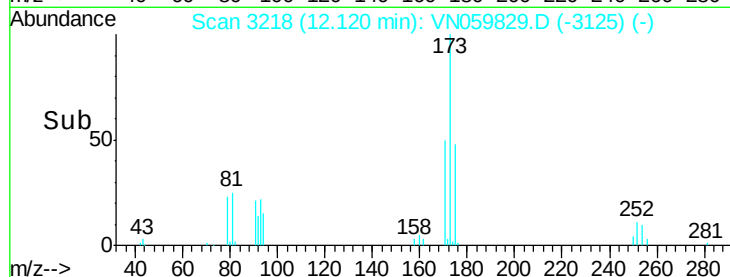
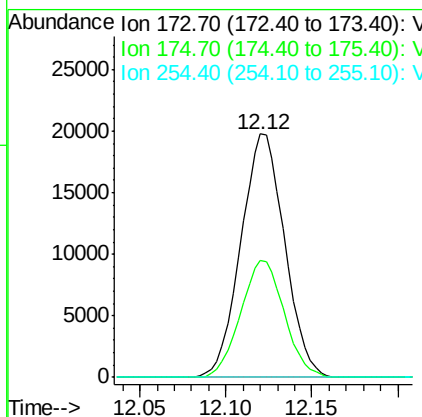
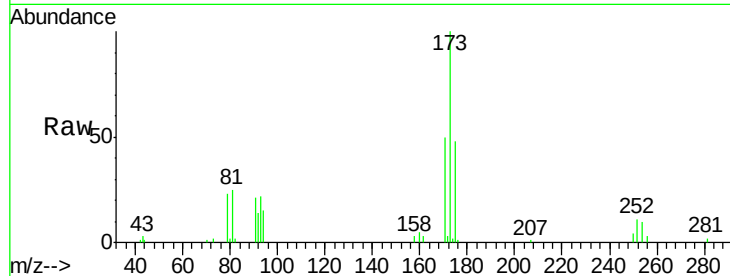
#71
Bromoform
Concen: 20.286 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.8	71.4
254	0.0	0.0	0.0

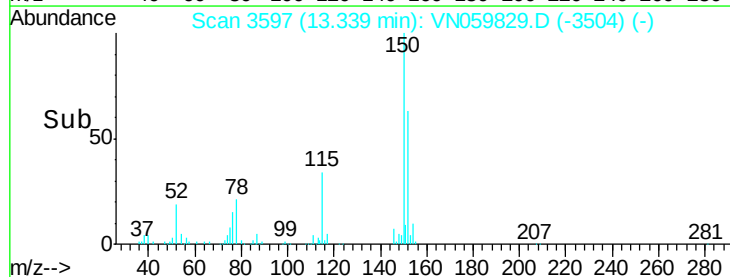
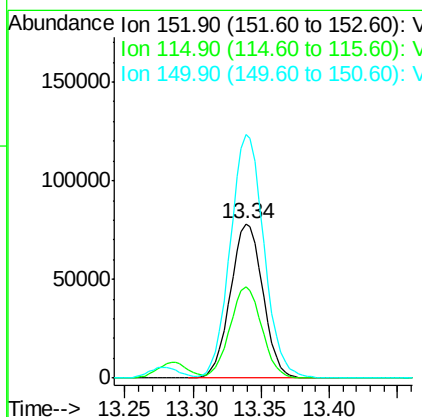
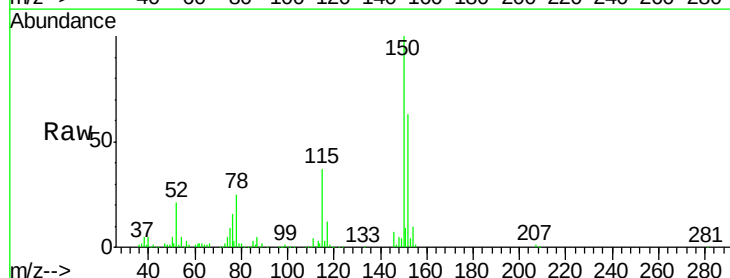
Manual Integrations
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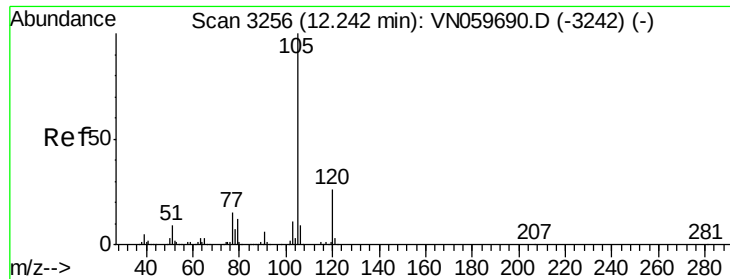
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	30.3	90.9
150	163.9	0.0	345.2





#73

Isopropylbenzene

Concen: 21.113 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion: 105 Resp: 199823

Ion Ratio Lower Upper

105 100

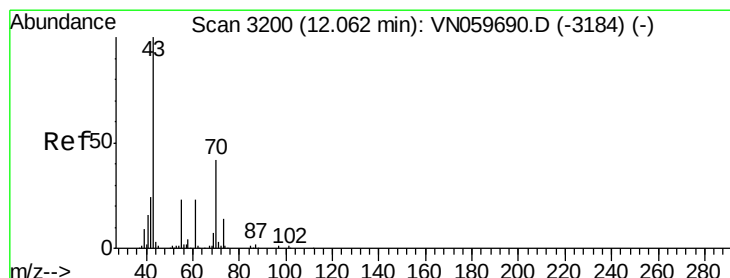
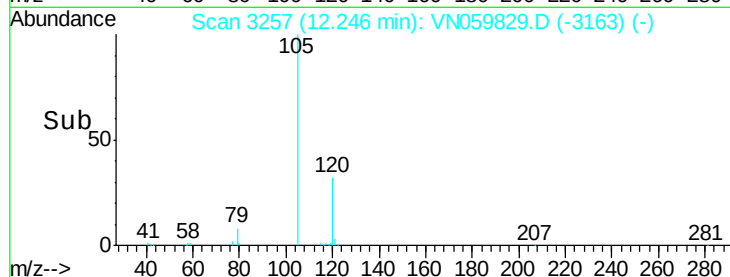
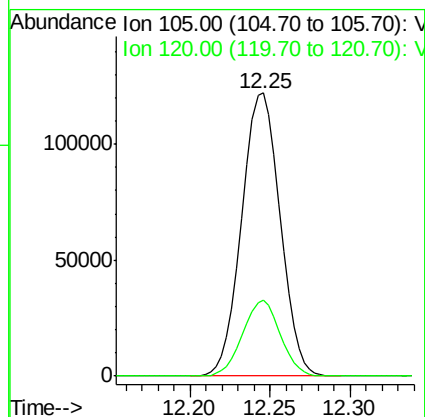
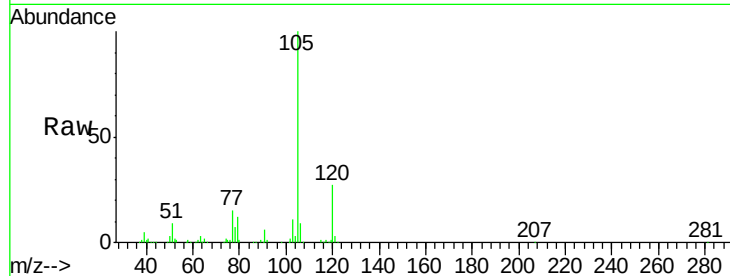
120 26.1 13.2 39.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.339 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion: 43 Resp: 67349

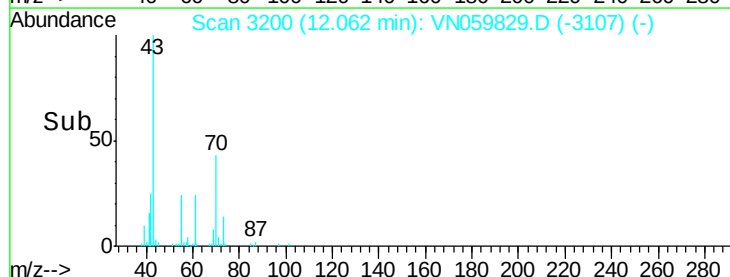
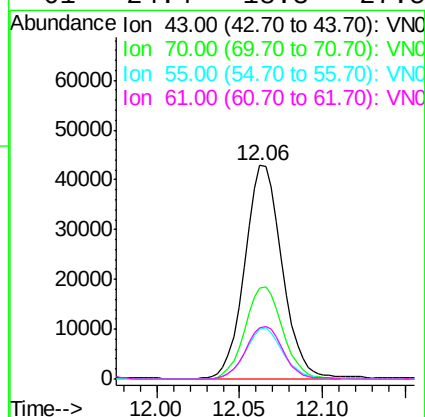
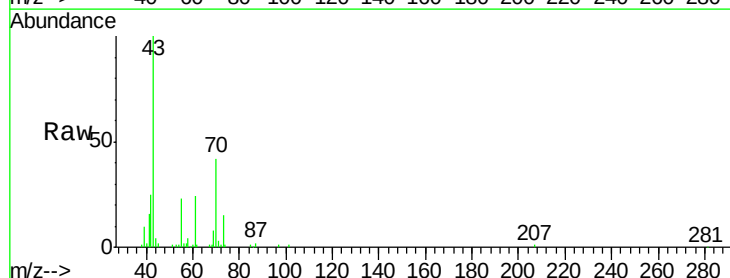
Ion Ratio Lower Upper

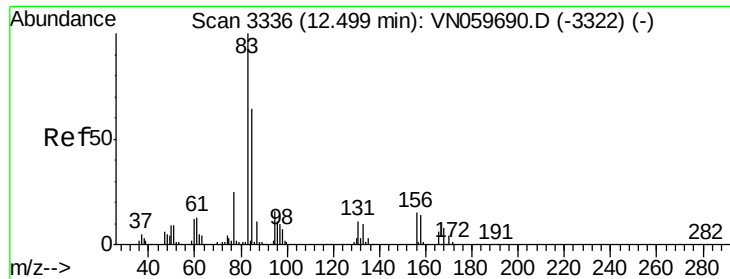
43 100

70 43.6 31.3 46.9

55 23.9 19.8 29.6

61 24.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.792 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

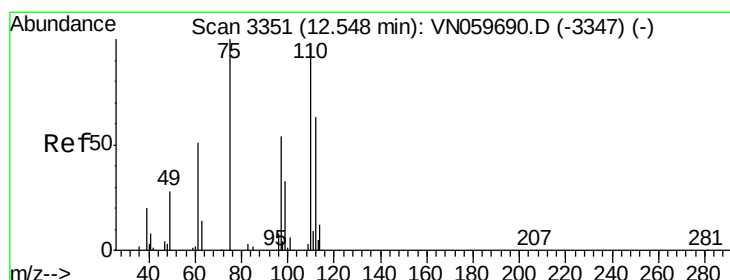
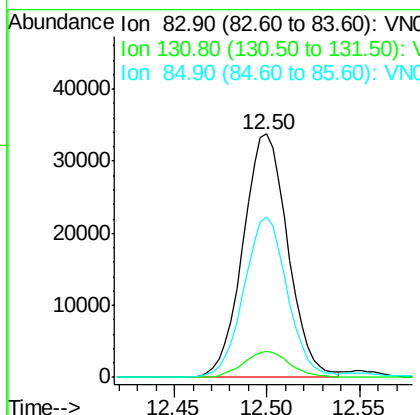
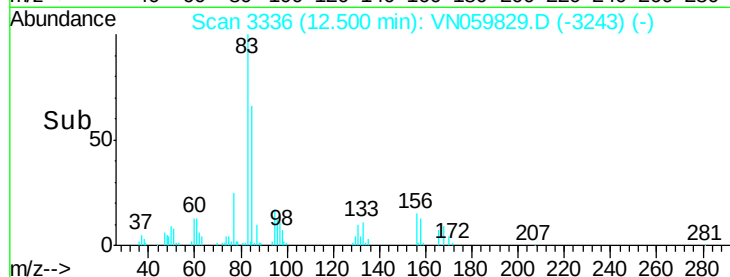
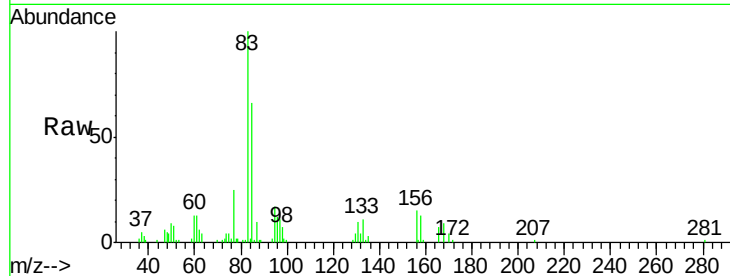
ClientSampleId :

VN0122WBSD01

Tot Ion:	83	Resp:	57048
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.0	14.9
85	63.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.922 ug/l m

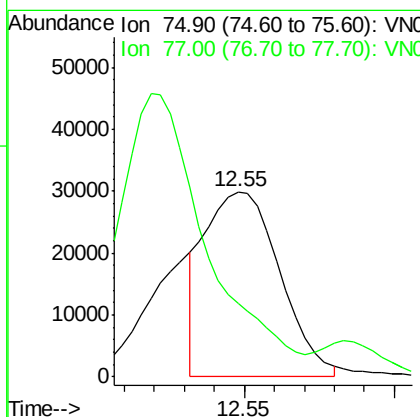
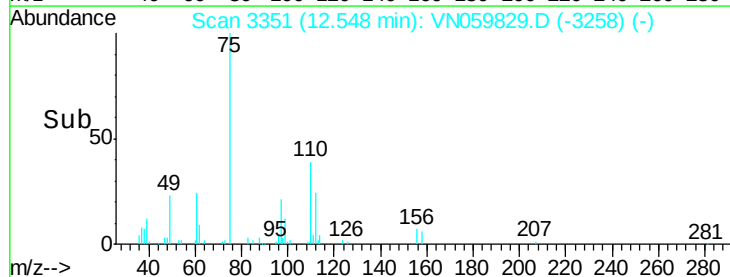
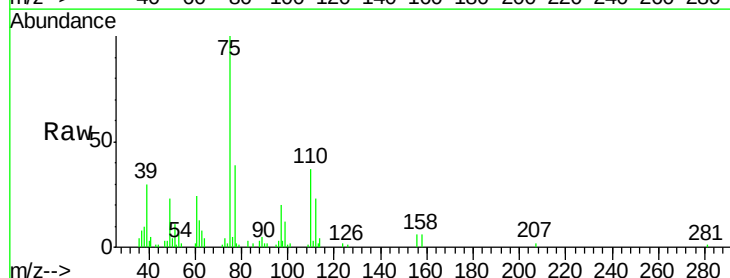
RT: 12.55 min Scan# 3351

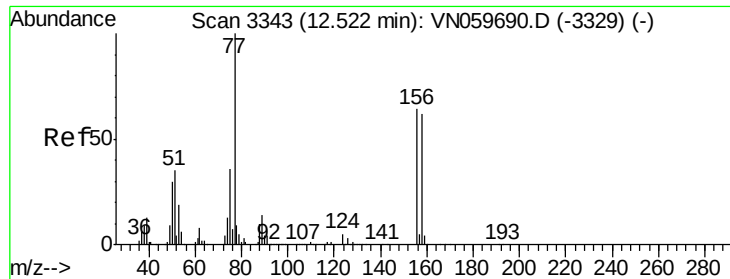
Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion:	75	Resp:	51953
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





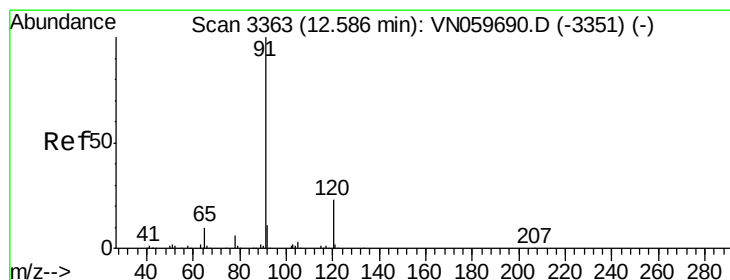
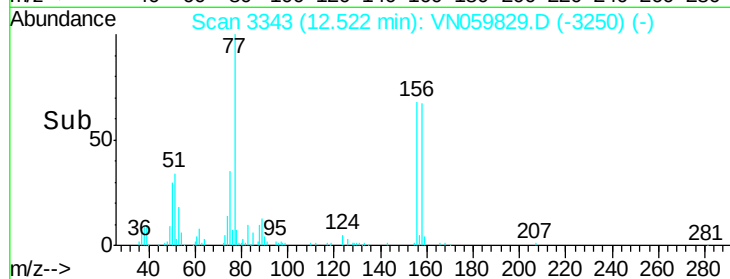
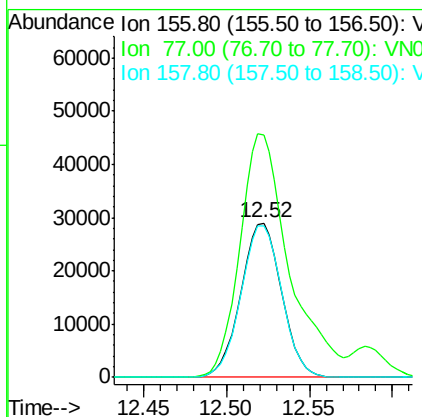
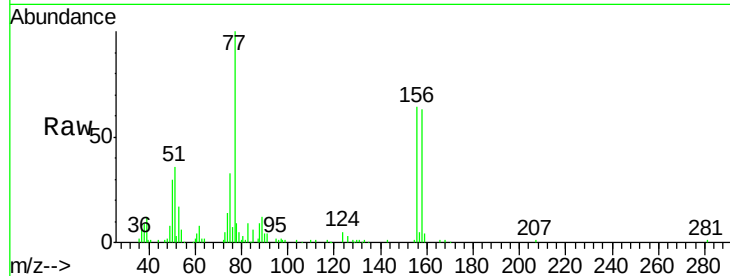
#77
Bromobenzene
Concen: 20.749 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.8	115.8	347.4
158	98.5	49.2	147.6

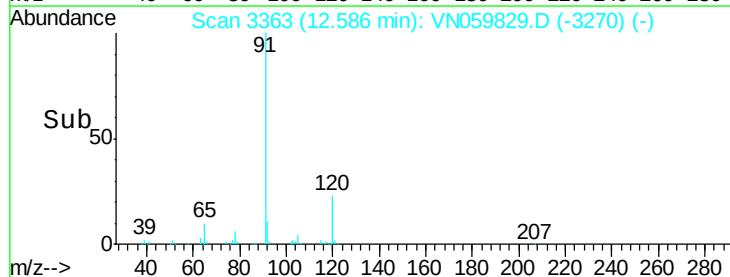
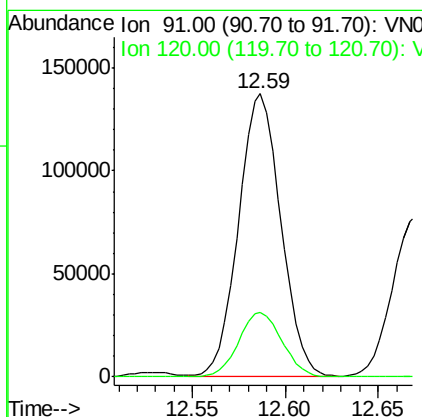
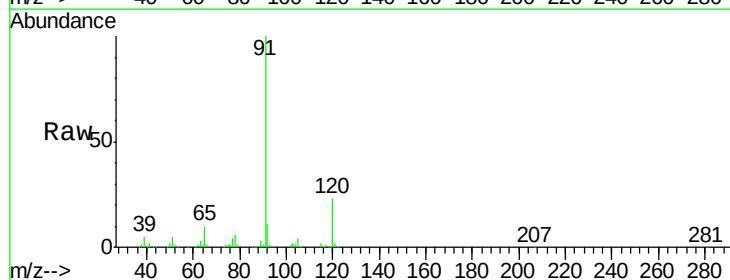
Manual Integrations
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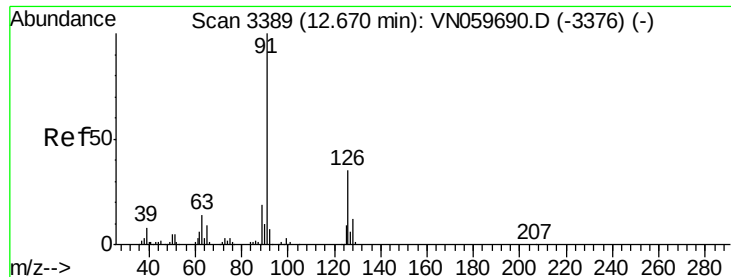
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#78
n-propylbenzene
Concen: 20.318 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.3





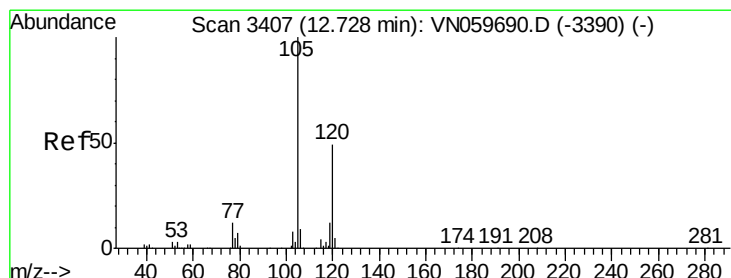
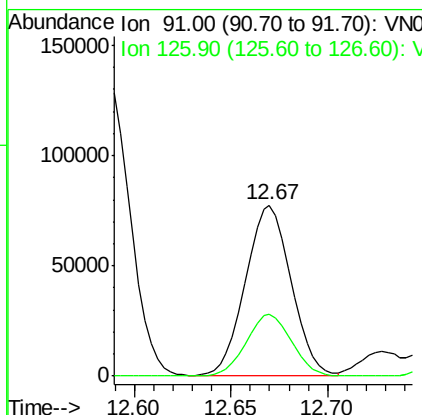
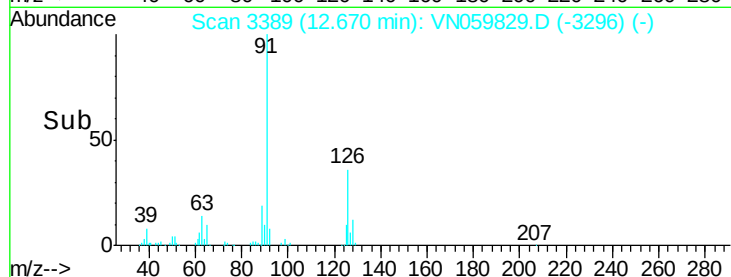
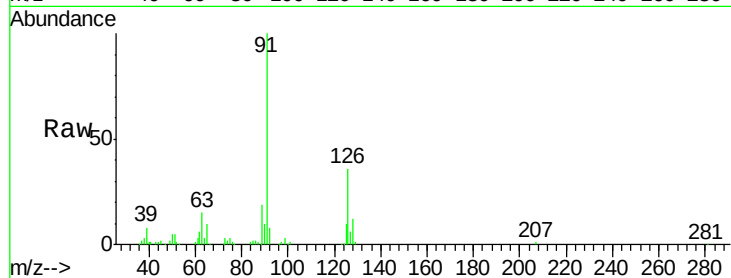
#79
 2-Chlorotoluene
 Concen: 20.065 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion: 91 Resp: 126800
 Ion Ratio Lower Upper
 91 100
 126 36.1 16.3 48.9

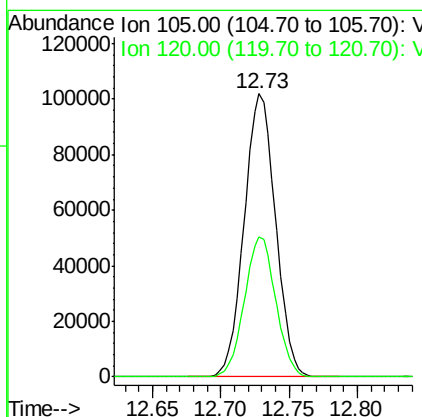
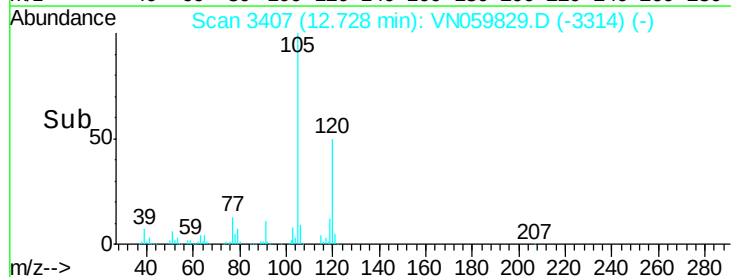
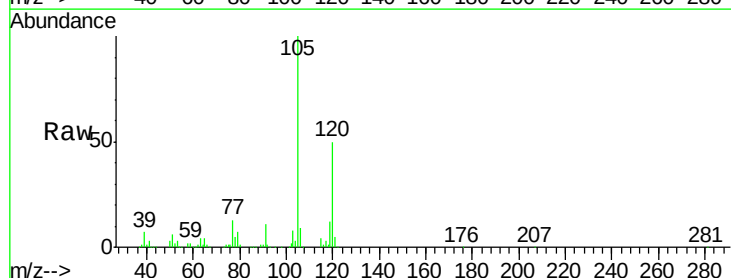
Manual Integrations
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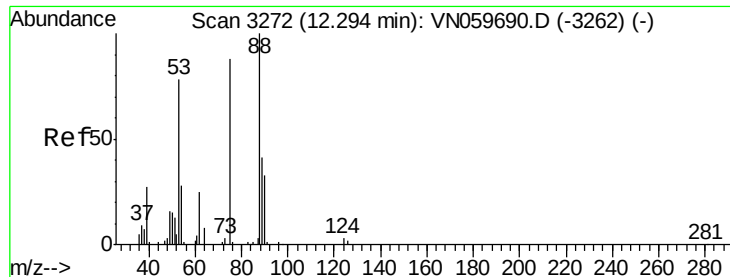
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.412 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion: 105 Resp: 162471
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.1 72.4





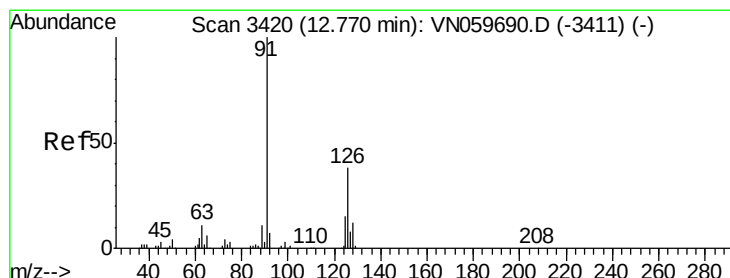
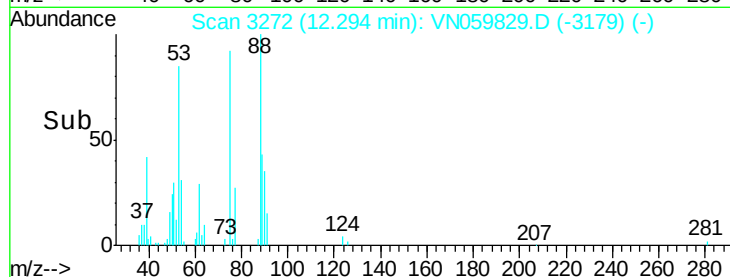
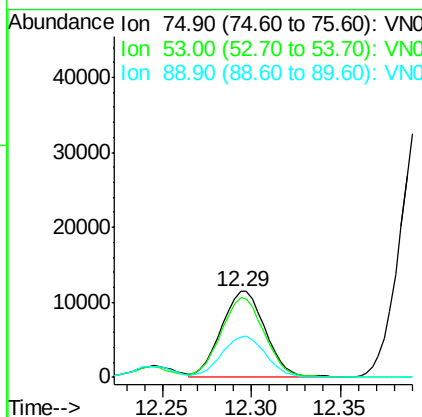
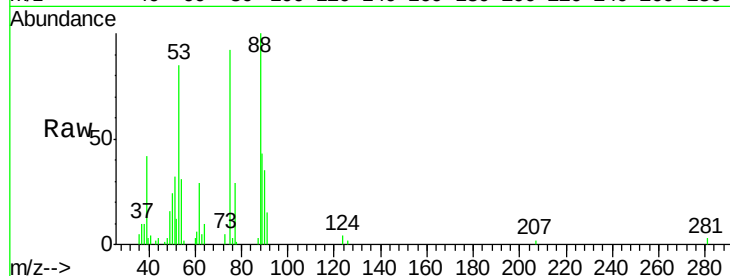
#81
trans-1,4-Dichloro-2-butene
Concen: 19.521 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.8	78.1	117.1
89	47.5	35.4	53.2

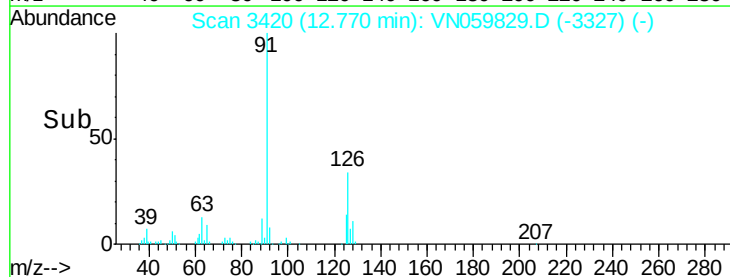
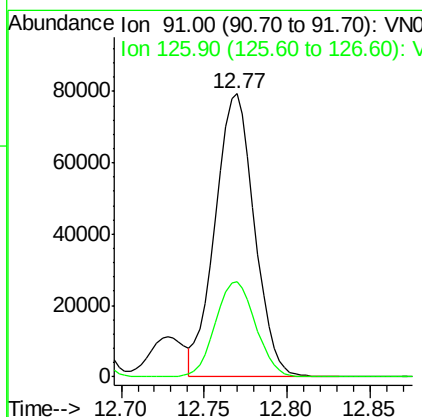
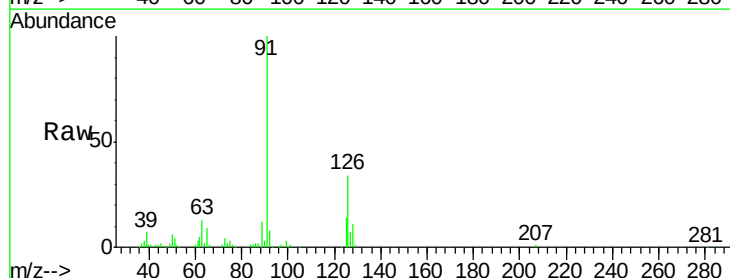
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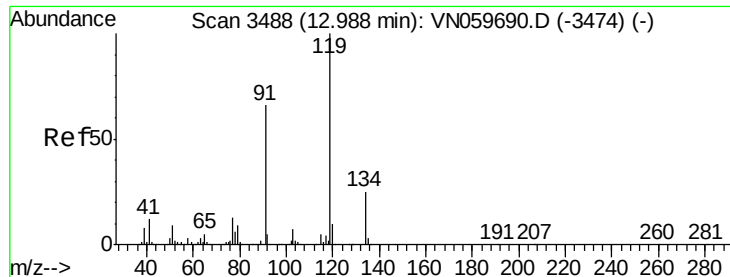
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#82
4-Chlorotoluene
Concen: 20.611 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.3	48.8





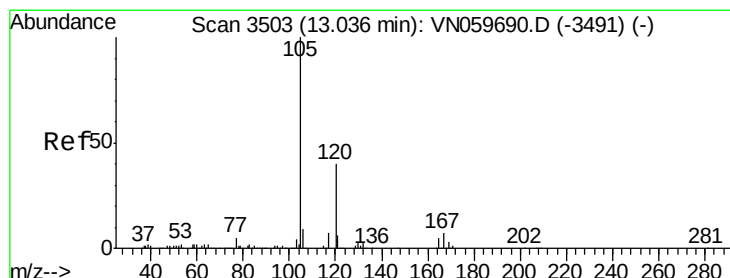
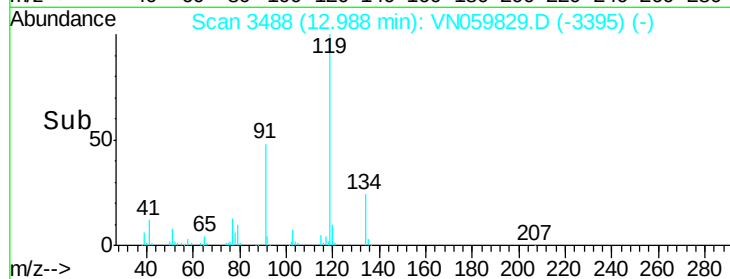
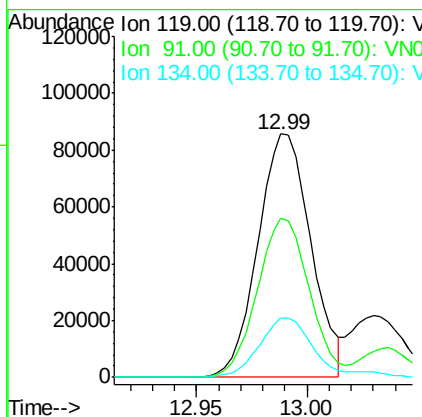
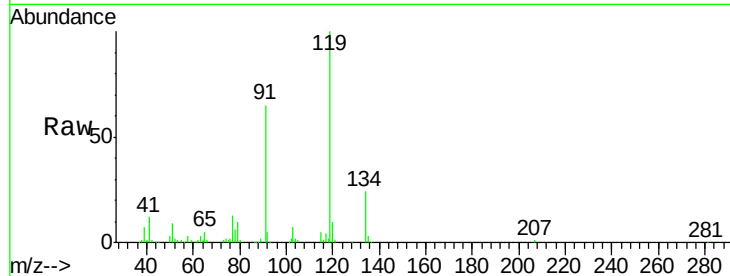
#83
tert-Butylbenzene
Concen: 20.649 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	142149		
91	64.2	34.8	104.4	
134	24.1	12.3	36.9	

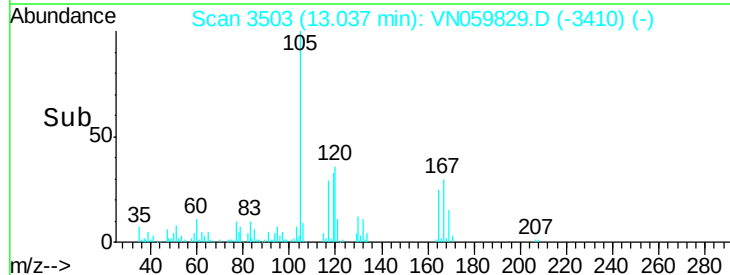
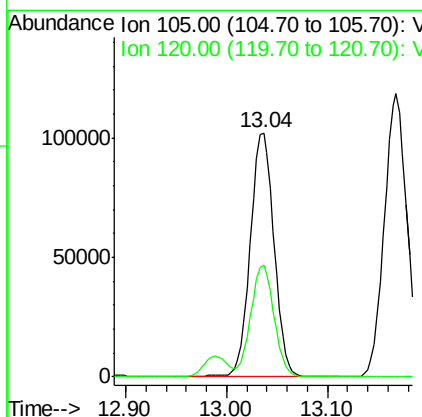
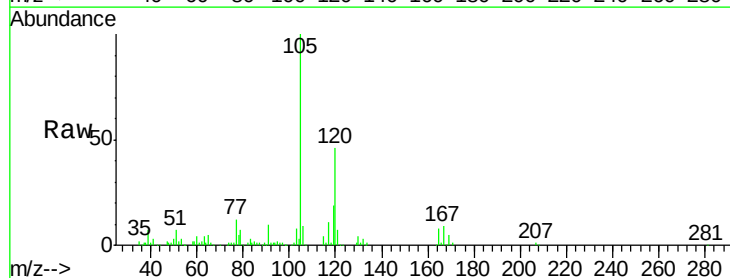
Manual Integrations
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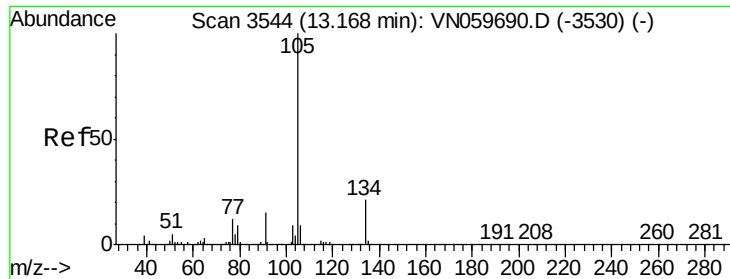
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#84
1,2,4-Trimethylbenzene
Concen: 21.012 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	165459		
120	44.7	22.3	66.9	





#85

sec-Butylbenzene

Concen: 20.516 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBSD01

Tot Ion:105 Resp: 185560

Ion Ratio Lower Upper

105 100

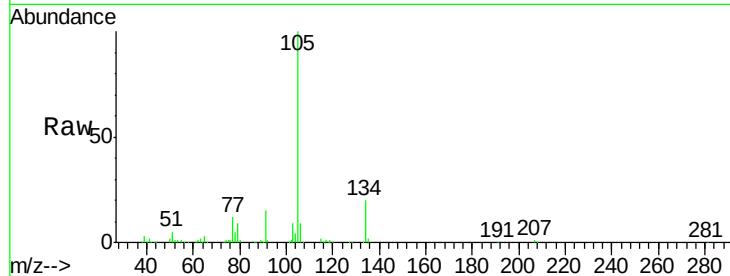
134 20.2 9.8 29.5

Manual Integrations

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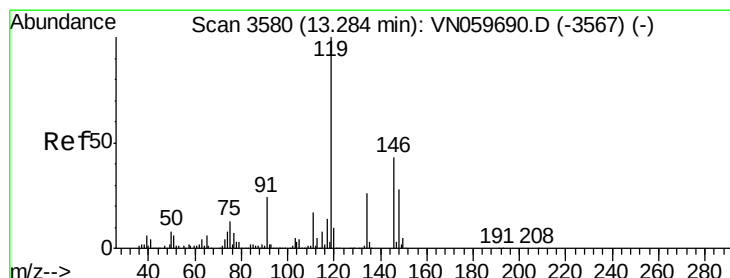
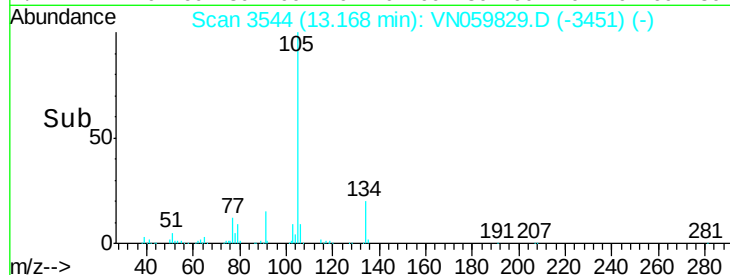
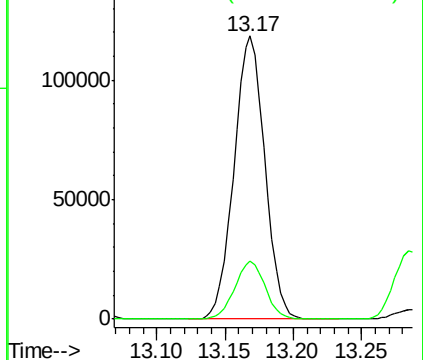
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.947 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

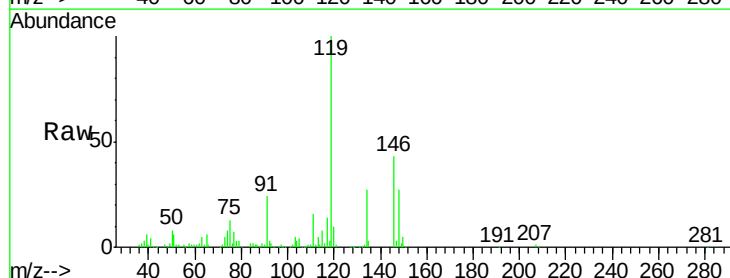
Tgt Ion:119 Resp: 166930

Ion Ratio Lower Upper

119 100

134 27.1 12.9 38.7

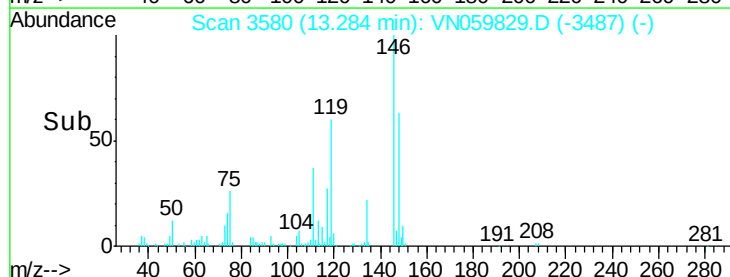
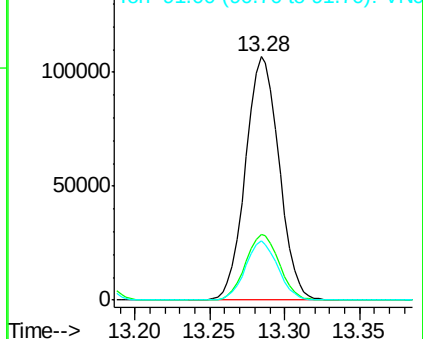
91 23.5 12.4 37.4

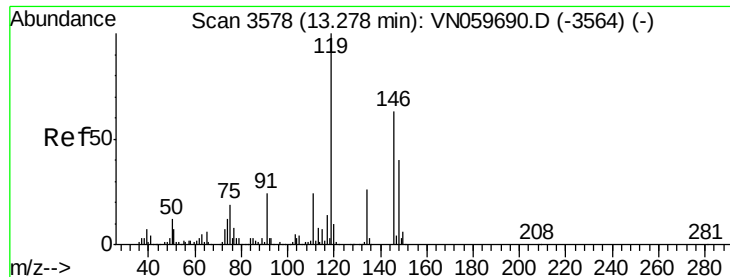


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.526 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059829.D

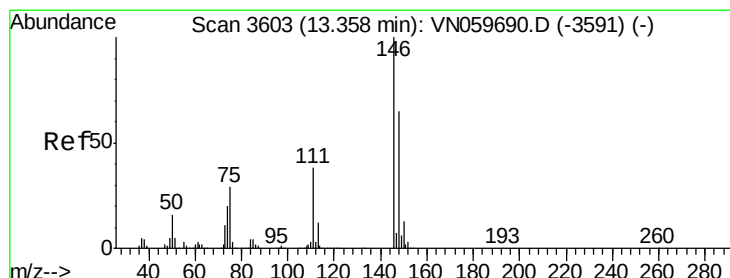
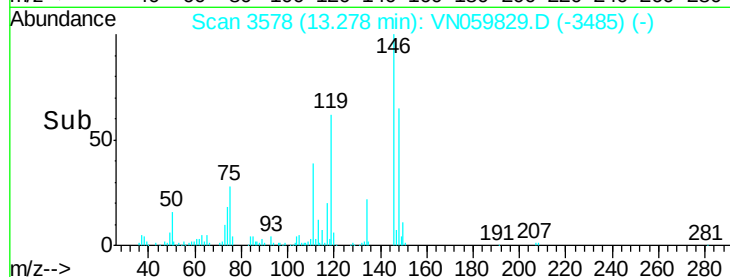
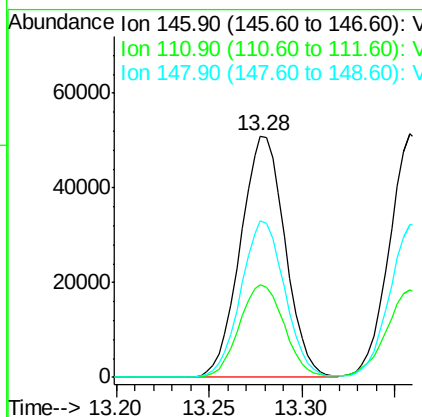
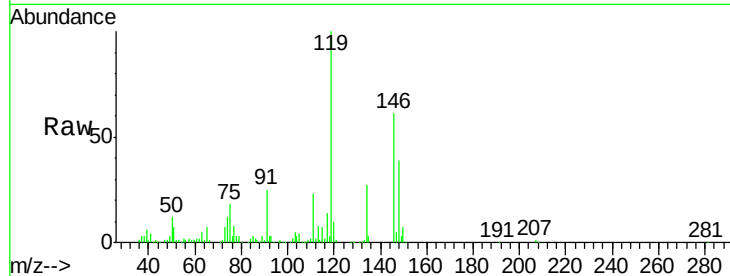
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	63.8	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 20.318 ug/l

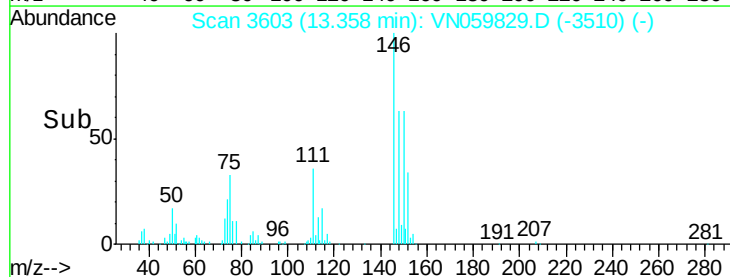
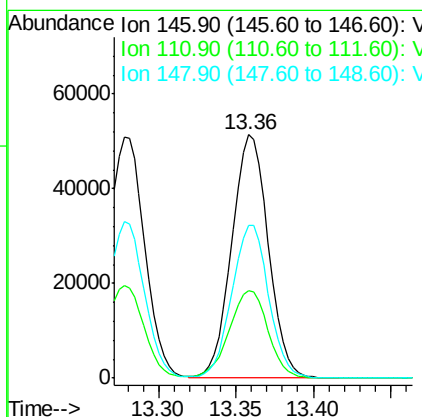
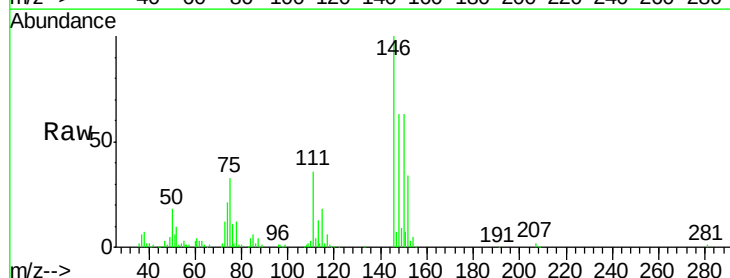
RT: 13.36 min Scan# 3603

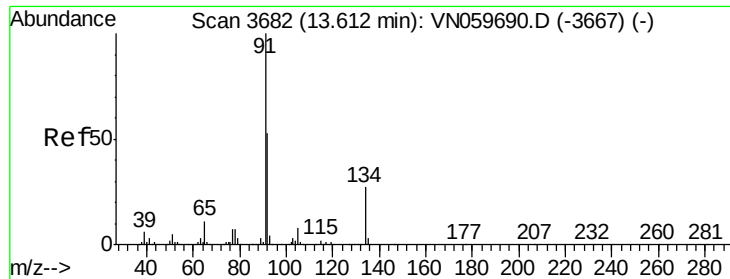
Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.8	62.2
148	63.3	31.8	95.4





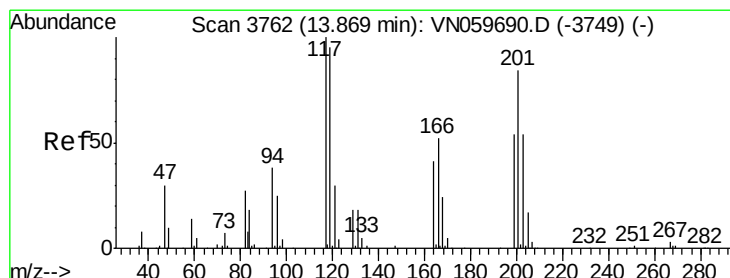
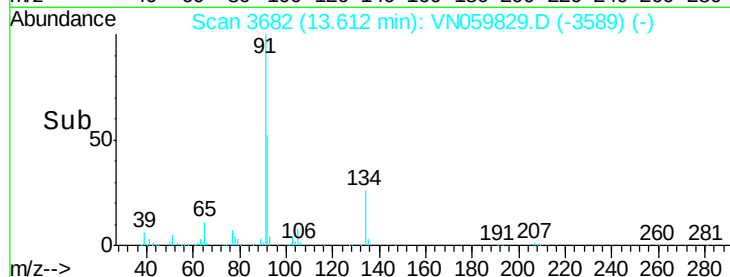
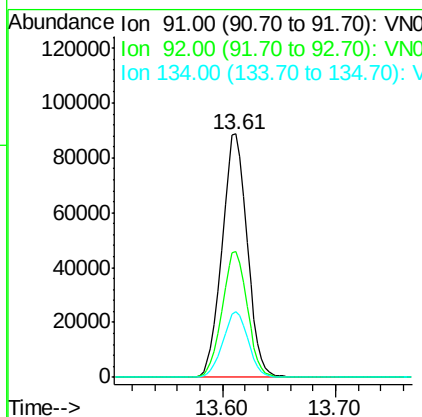
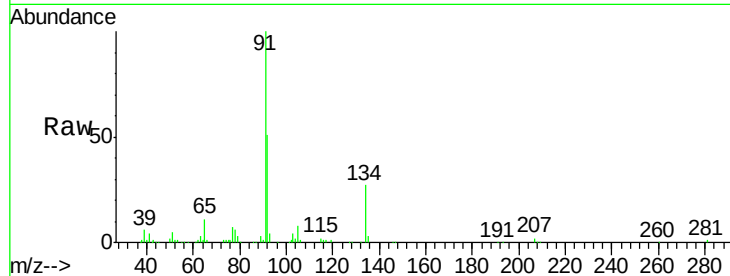
#89
n-Butylbenzene
Concen: 19.327 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	27.1	12.3	36.8

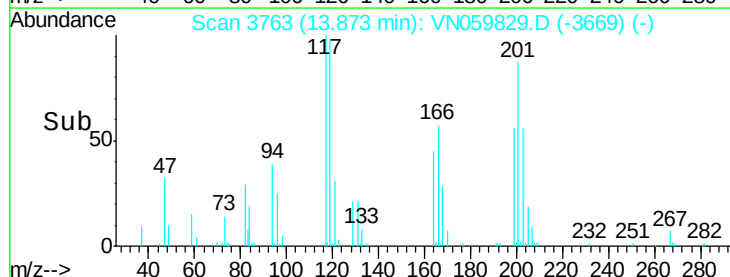
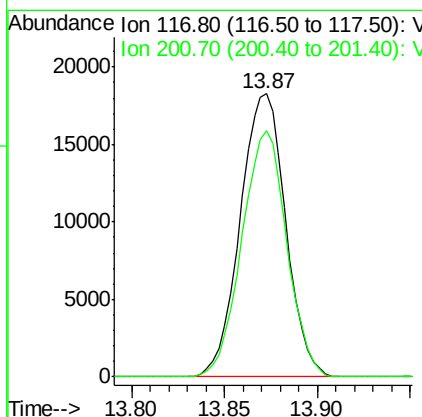
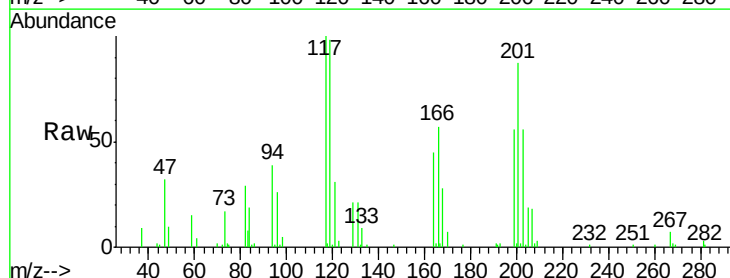
Manual Integrations
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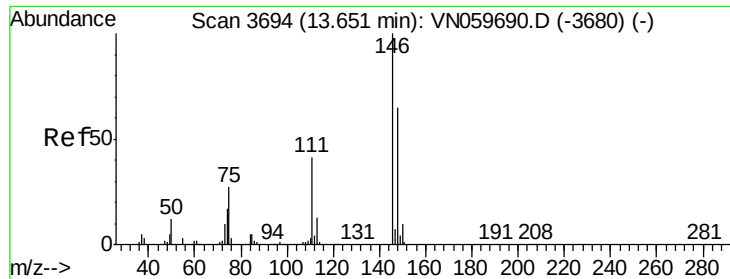
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#90
Hexachloroethane
Concen: 19.955 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059829.D
Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	37.8	113.4





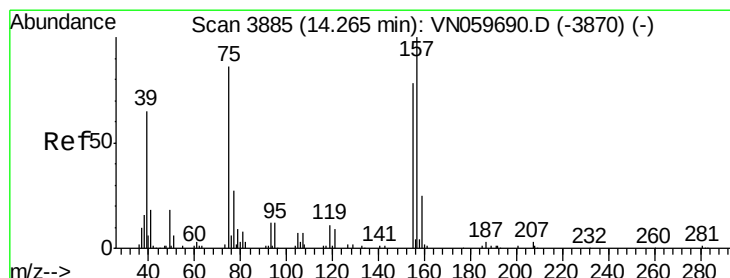
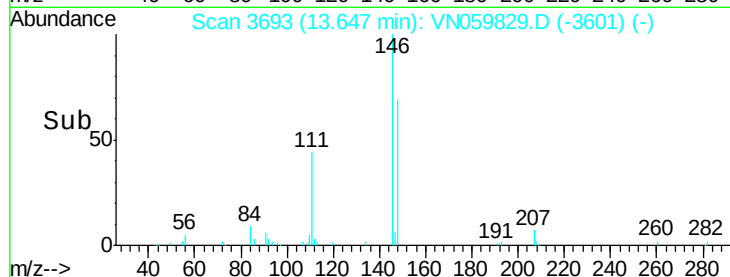
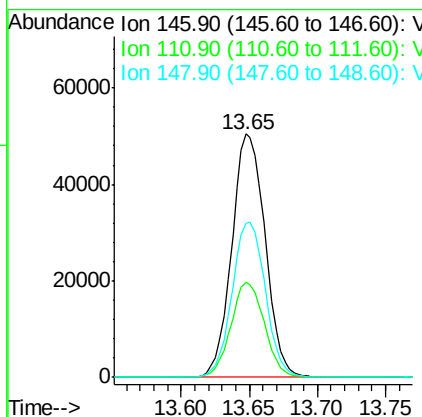
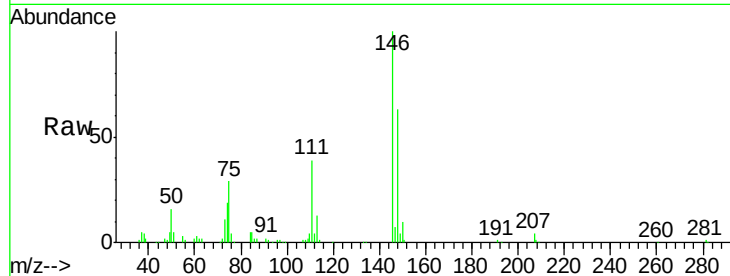
#91
 1,2-Dichlorobenzene
 Concen: 20.848 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.6	64.8
148	63.6	31.6	95.0

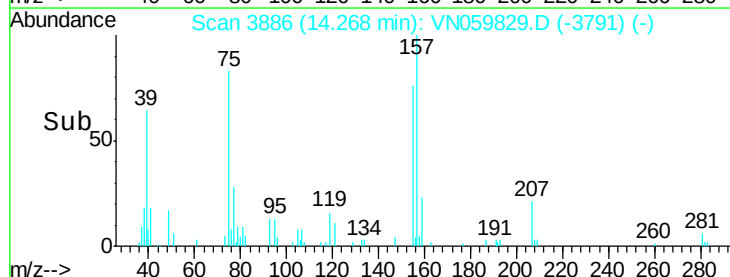
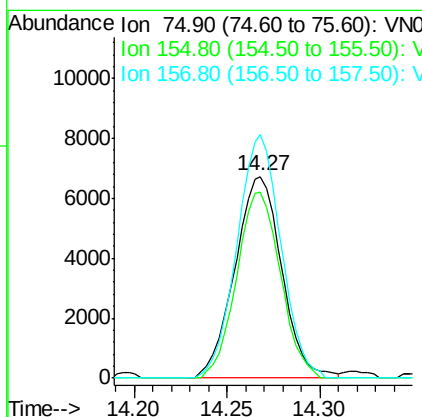
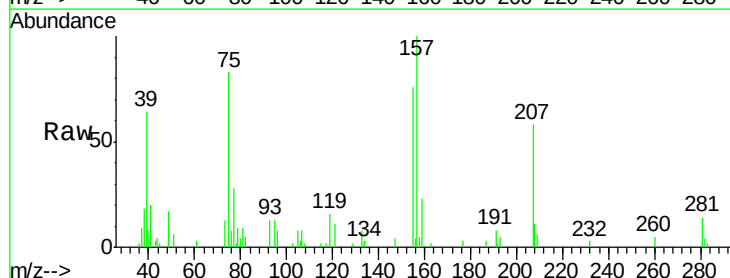
Manual Integrations
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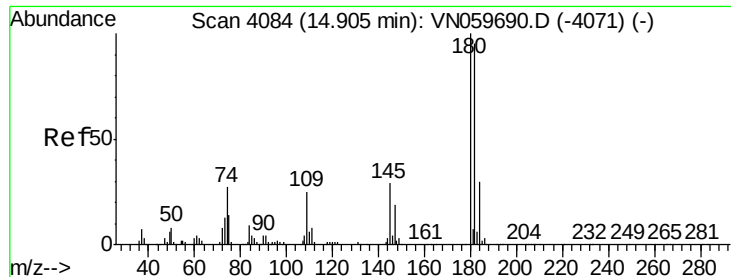
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.822 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	37.0	110.9
157	113.2	48.4	145.2





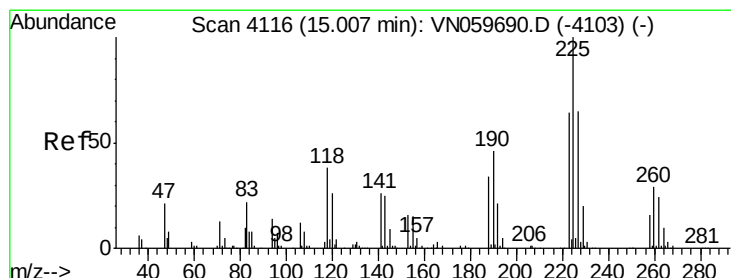
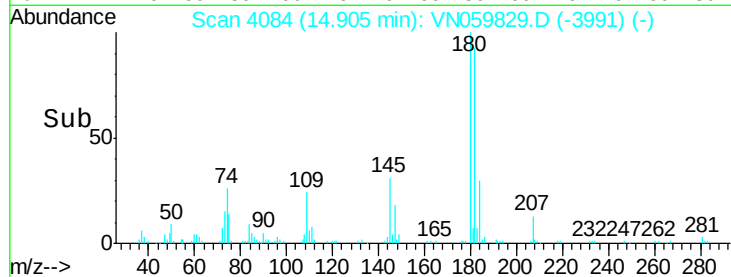
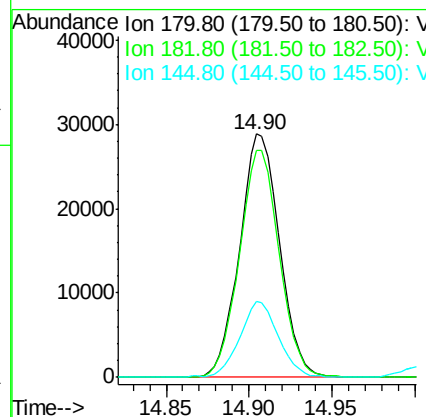
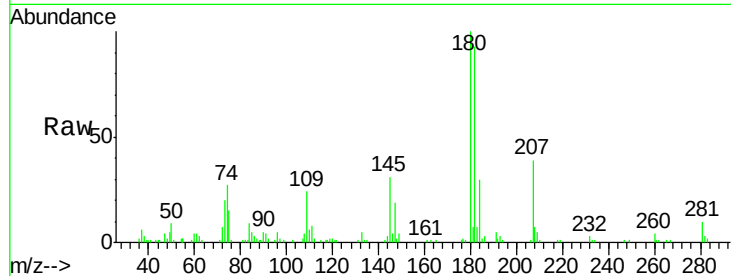
#93
 1,2,4-Trichlorobenzene
 Concen: 19.504 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48235		
182	93.1	46.9	140.7	
145	30.1	15.0	45.1	

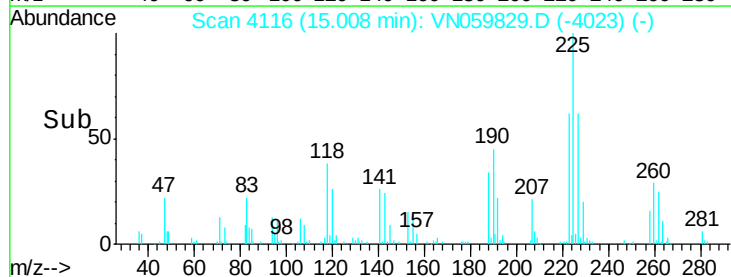
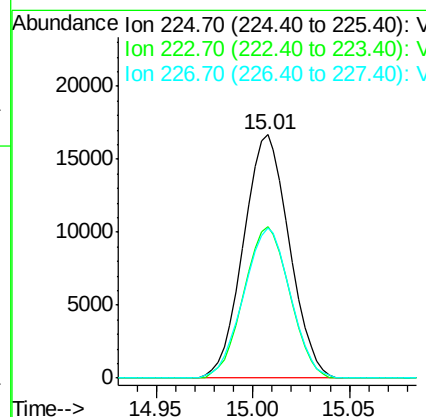
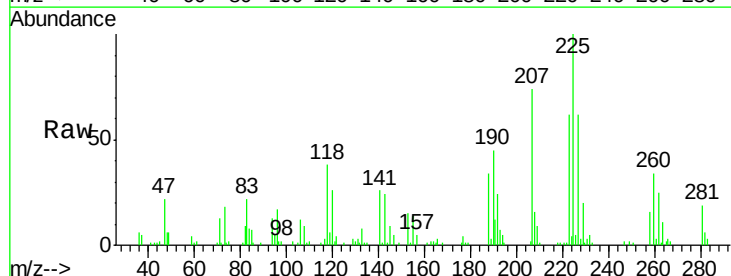
Manual Integrations
 APPROVED

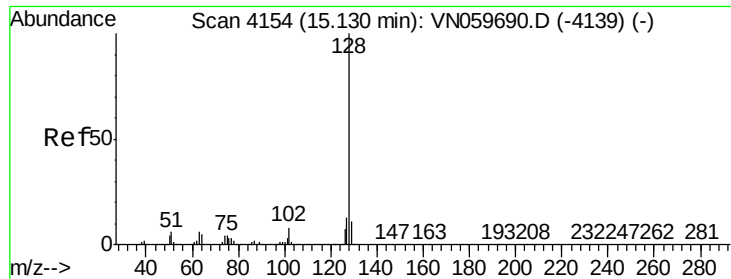
MMDadoda
 1/24/2020 10:14:42 AM



#94
 Hexachlorobutadiene
 Concen: 20.172 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059829.D
 Acq: 22 Jan 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27492		
223	62.1	31.8	95.3	
227	62.7	32.1	96.5	





#95

Naphthalene

Concen: 18.006 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Instrument :

MSVOA_N

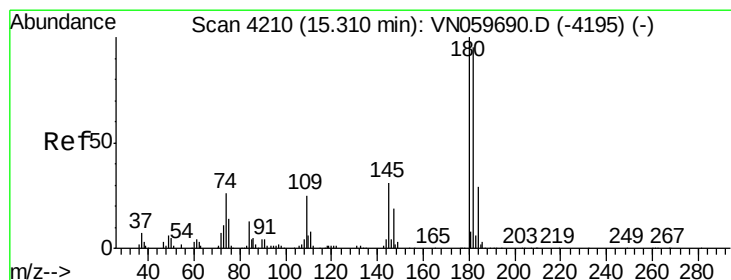
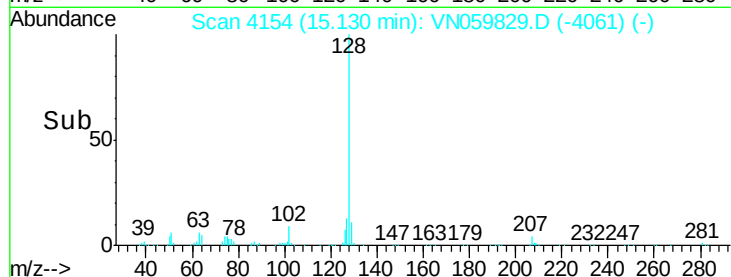
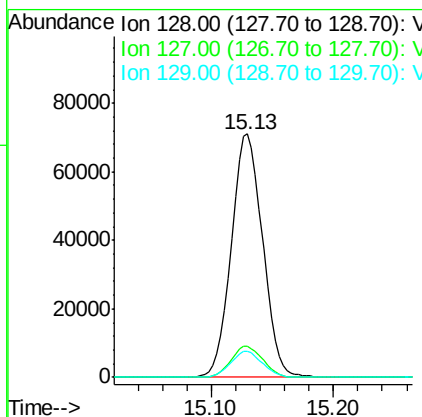
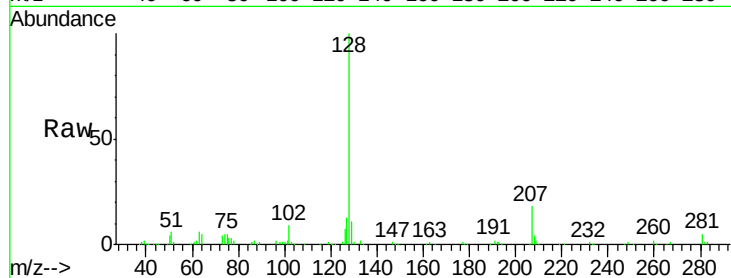
ClientSampleId :

VN0122WBSD01

Tot Ion:	128	Resp:	126666
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/24/2020 10:14:42 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.903 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059829.D

Acq: 22 Jan 2020 14:05

Tgt Ion:	180	Resp:	47912
Ion Ratio	Lower	Upper	
180	100		
182	92.3	47.4	142.3
145	32.1	16.3	48.9

