

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052090.D
 Acq On : 1 Nov 2018 8:22
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:20:56 AM

Quant Time: Nov 02 05:23:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53191	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	301478	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	269122	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	126369	32.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.70%
60) 4-Bromofluorobenzene	12.40	95	129380	30.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.17%
63) Toluene-d8	10.09	98	391080	30.90	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	15354	4.322 ug/l	98
3) Chloromethane	2.06	50	20673	5.092 ug/l	98
4) Vinyl Chloride	2.19	62	20415	5.126 ug/l	100
5) Bromomethane	2.58	94	14988	5.513 ug/l	93
6) Chloroethane	2.71	64	14398	5.653 ug/l	98
7) Trichlorofluoromethane	3.02	101	29251	5.423 ug/l	97
8) Diethyl Ether	3.42	74	9657	5.303 ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	17219	5.462 ug/l	83
10) 1,1-Dichloroethene	3.74	96	15609	5.306 ug/l	84
11) Methyl Iodide	3.96	142	19311	4.541 ug/l	94
12) Methyl Acetate	4.32	43	14623m	5.722 ug/l	
13) Acrolein	3.61	56	6277m	23.634 ug/l	
14) Acrylonitrile	4.99	53	30355m	27.647 ug/l	
15) Acetone	3.82	58	8053	31.033 ug/l	79
16) Carbon Disulfide	4.05	76	43213	4.975 ug/l	99
17) Allyl chloride	4.33	41	26351	5.276 ug/l	91
18) Methylene Chloride	4.55	84	21716	5.981 ug/l	95
19) trans-1,2-Dichloroethene	5.04	96	16523	5.127 ug/l	93
20) Diisopropyl ether	5.94	45	56833m	5.234 ug/l	
21) 1,1-Dichloroethane	5.86	63	34851	5.495 ug/l	96
22) cis-1,2-Dichloroethene	6.83	96	19395	5.153 ug/l	95
23) tert-Butyl Alcohol	4.79	59	4227m	24.402 ug/l	
24) Methyl tert-Butyl Ether	5.04	73	43214	5.182 ug/l #	66
25) Chloroform	7.37	83	33914	5.325 ug/l	92
26) Cyclohexane	7.65	56	30328	5.334 ug/l	95
29) 1,1-Dichloropropene	7.79	75	25326	5.291 ug/l	99
30) 2-Butanone	6.83	43	36743	28.826 ug/l #	86
31) 2,2-Dichloropropane	6.83	77	26360m	5.344 ug/l	
32) 1,1,1-Trichloroethane	7.57	97	27586	5.151 ug/l	99
33) Carbon Tetrachloride	7.77	117	25222	5.296 ug/l	97
34) Benzene	8.04	78	75646	5.398 ug/l #	64
35) Methacrylonitrile	7.17	41	8473m	3.285 ug/l	
36) 1,2-Dichloroethane	8.12	62	27567	5.883 ug/l	96
37) Trichloroethene	8.83	130	18090	5.157 ug/l	98
38) Methylcyclohexane	9.08	83	31260	5.354 ug/l	98
39) 1,2-Dichloropropane	9.12	63	20265	5.432 ug/l	95
40) Dibromomethane	9.20	93	12842	5.585 ug/l	94

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Nov 02 05:23:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	24336	5.172	ug/l	96
42) Vinyl Acetate	5.90	43	189459	25.389	ug/l	100
43) Ethyl Acetate	6.83	43	37557m	4.233	ug/l	
44) Isopropyl Acetate	8.16	43	29198	5.505	ug/l	95
45) 1,4-Dioxane	9.19	88	2481	102.542	ug/l #	70
46) Methyl methacrylate	9.20	41	13841	5.243	ug/l	93
47) n-amyl Acetate	12.07	43	24385	5.068	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	22400	4.795	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	25365	4.704	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	16437	5.406	ug/l	89
51) Ethyl methacrylate	10.43	69	19876	5.058	ug/l	97
52) 1,3-Dichloropropane	10.71	76	29026	5.480	ug/l	83
53) Dibromochloromethane	10.90	129	14573	4.439	ug/l	90
54) 1,2-Dibromoethane	11.00	107	15935	5.168	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	52802	24.536	ug/l	99
56) Bromoform	12.12	173	8332	4.394	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	81596	28.295	ug/l	98
59) 2-Hexanone	10.75	43	57973	29.197	ug/l	98
61) Tetrachloroethene	10.63	164	15463	5.283	ug/l	95
62) Toluene	10.15	91	78420	5.191	ug/l	96
64) Chlorobenzene	11.43	112	50845	5.310	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	16022	4.916	ug/l	95
66) Ethyl Benzene	11.51	91	83945	5.144	ug/l	94
67) m/p-Xylenes	11.62	106	63975	10.183	ug/l	98
68) o-Xylene	11.95	106	29015	4.844	ug/l	95
69) Styrene	11.96	104	45889	4.754	ug/l	96
70) Isopropylbenzene	12.25	105	81983	5.099	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	20162	5.701	ug/l #	94
72) 1,2,3-Trichloropropane	12.56	75	17825m	6.061	ug/l	
73) Bromobenzene	12.53	156	16947	4.756	ug/l	92
74) n-propylbenzene	12.59	91	96513	5.154	ug/l	97
75) 2-Chlorotoluene	12.67	91	57848	5.359	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	65323	5.066	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	4458	4.582	ug/l	86
78) 4-Chlorotoluene	12.77	91	54277	4.993	ug/l	97
79) tert-butylbenzene	12.99	119	56207	5.004	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	62388	4.857	ug/l	98
81) sec-Butylbenzene	13.17	105	76418	4.944	ug/l	95
82) p-Isopropyltoluene	13.29	119	61800	4.731	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	30107	4.777	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	29626	4.749	ug/l	97
85) n-Butylbenzene	13.62	91	53686	4.749	ug/l	97
86) Hexachloroethane	13.87	117	9762	4.429	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	28883	4.824	ug/l	93
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2447	5.060	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	9895	4.071	ug/l	91
90) Hexachlorobutadiene	15.01	225	6967	5.239	ug/l	94
91) Naphthalene	15.13	128	22727	4.057	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.31	180	9452	4.462	ug/l	96

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Acq On : 1 Nov 2018 8:22
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

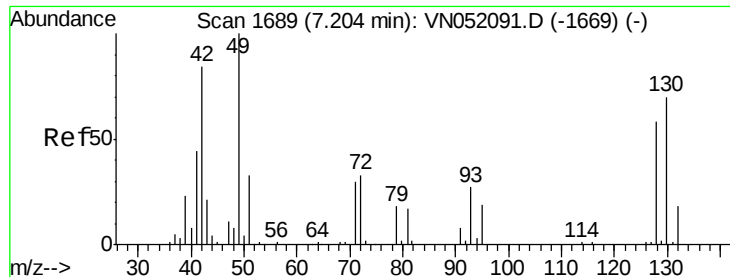
Manual Integrations
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11/2/2018 9:20:56 AM

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:15:09 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



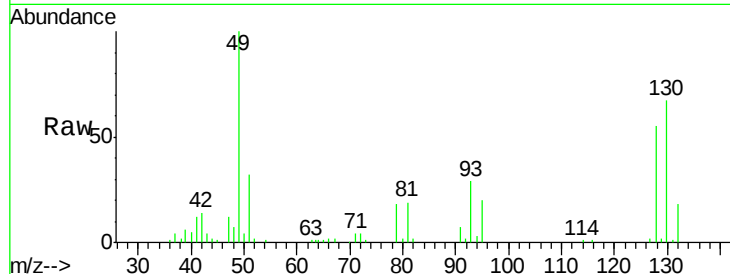
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

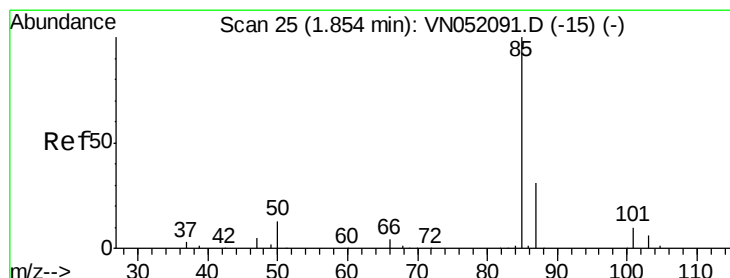
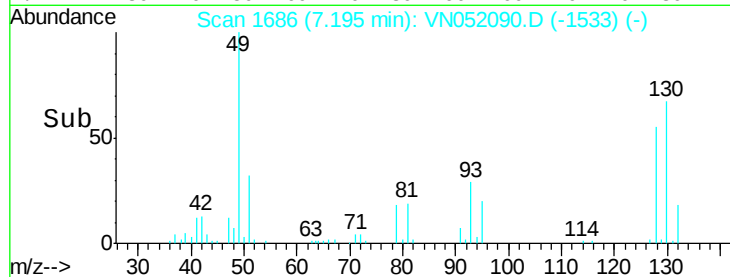
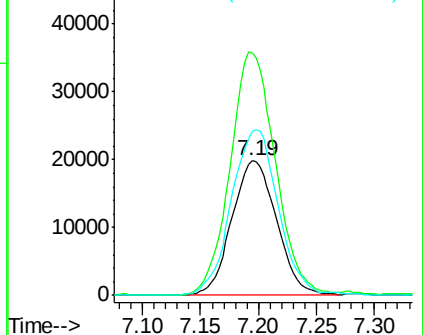
Tgt Ion	Ratio	Lower	Upper
128	100		
49	183.2	0.0	453.7
130	128.8	0.0	308.8

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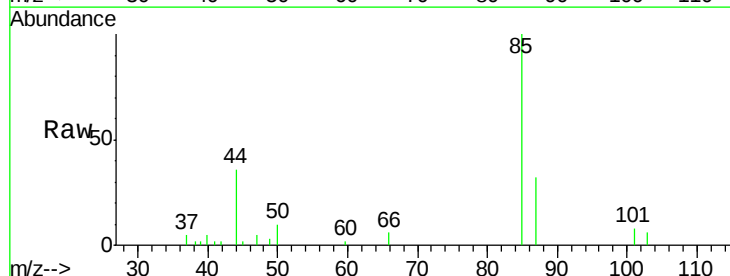


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): V
Ion 130.00 (129.70 to 130.70): V

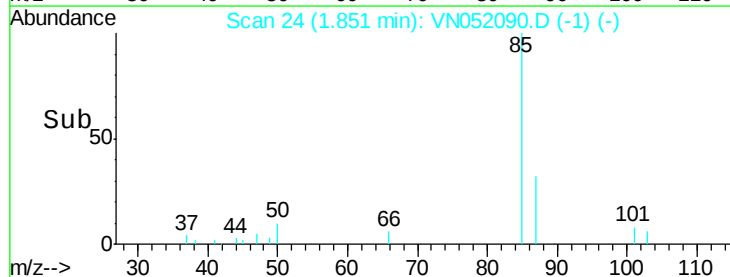
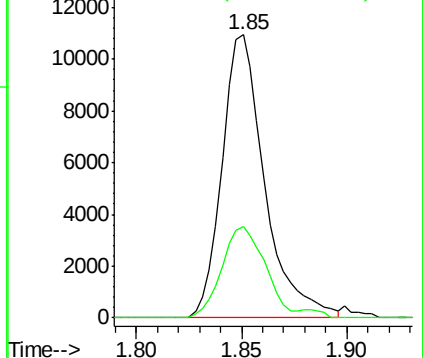


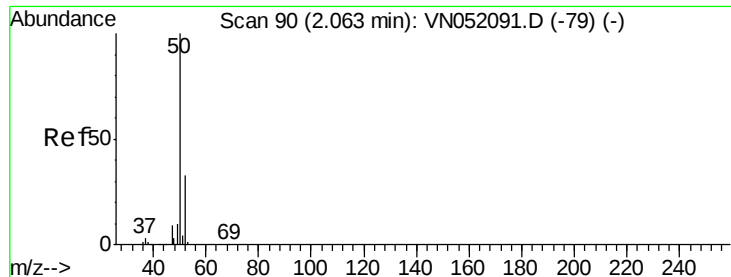
#2
Dichlorodifluoromethane
Concen: 4.322 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.3	15.7	47.1



Abundance Ion 85.00 (84.70 to 85.70): V
Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 5.092 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 20673

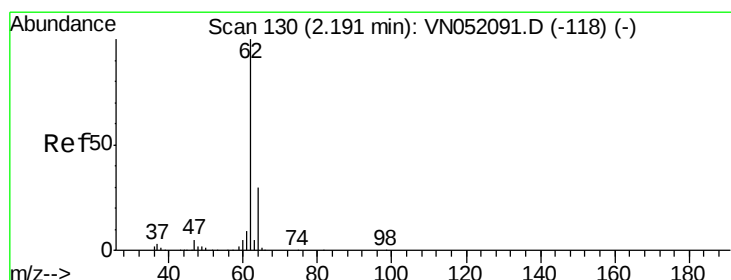
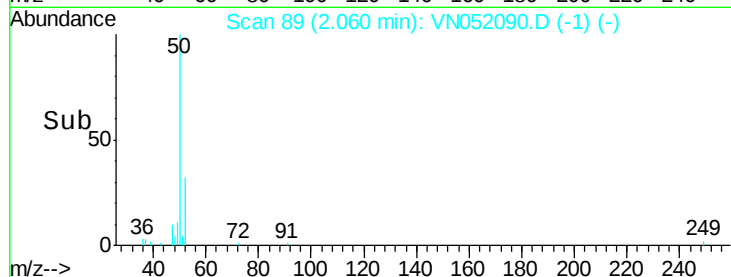
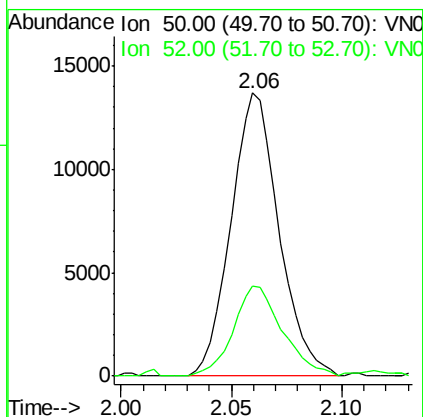
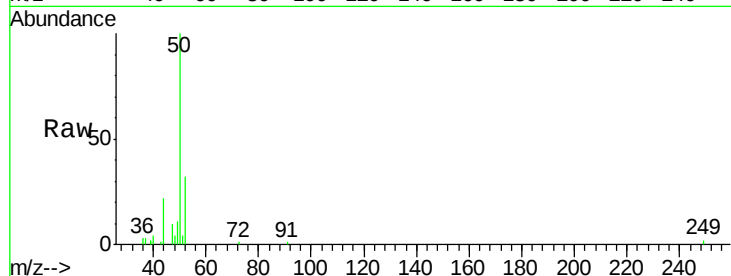
Ion Ratio Lower Upper

50 100

52 31.7 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.126 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052090.D

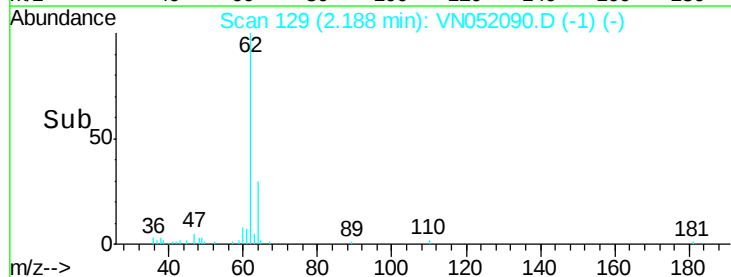
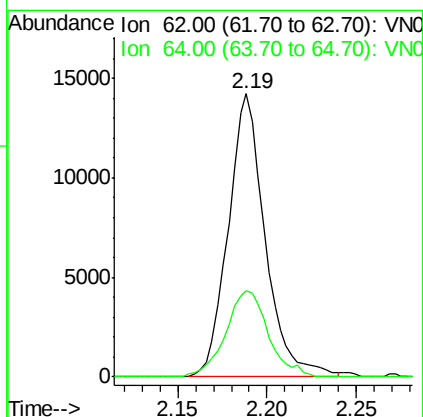
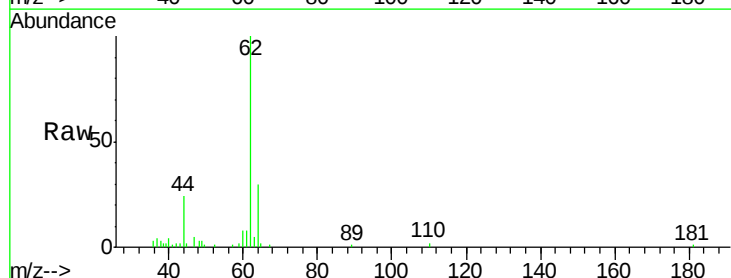
Acq: 1 Nov 2018 8:22

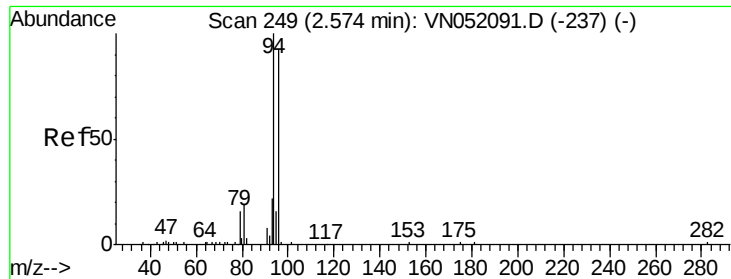
Tgt Ion: 62 Resp: 20415

Ion Ratio Lower Upper

62 100

64 30.5 24.2 36.4





#5

Bromomethane

Concen: 5.513 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 14988

Ion Ratio Lower Upper

94 100

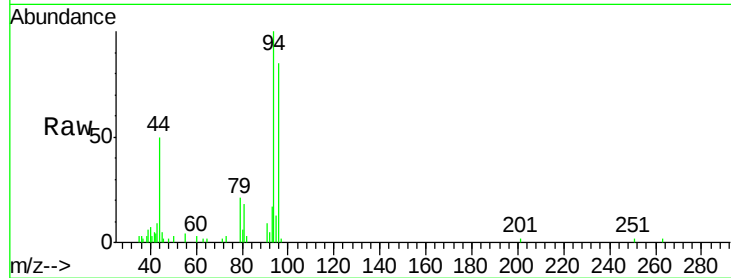
96 85.4 73.4 110.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.58

8000

6000

4000

2000

0

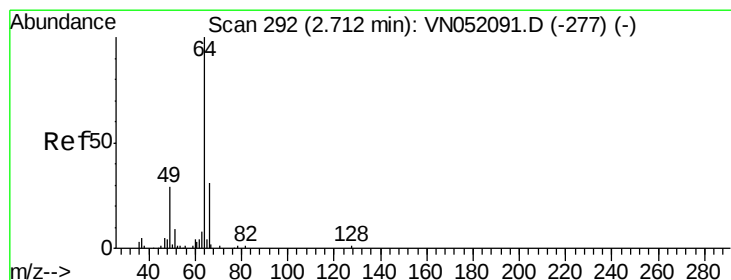
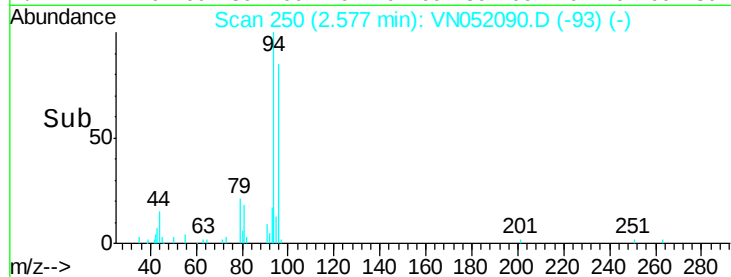
Time-->

2.50

2.55

2.60

2.65



#6

Chloroethane

Concen: 5.653 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052090.D

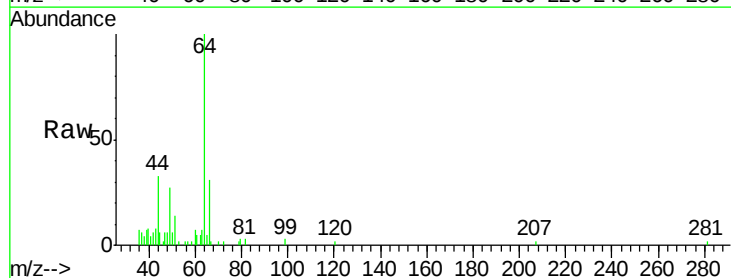
Acq: 1 Nov 2018 8:22

Tgt Ion: 64 Resp: 14398

Ion Ratio Lower Upper

64 100

66 31.7 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

8000

6000

4000

2000

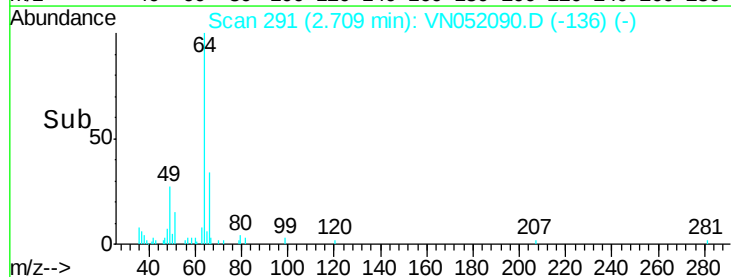
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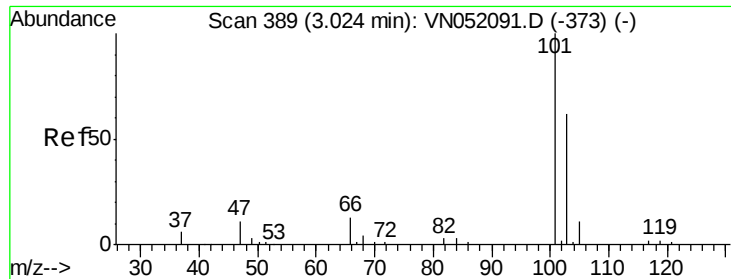
Time-->

2.65

2.70

2.75





#7

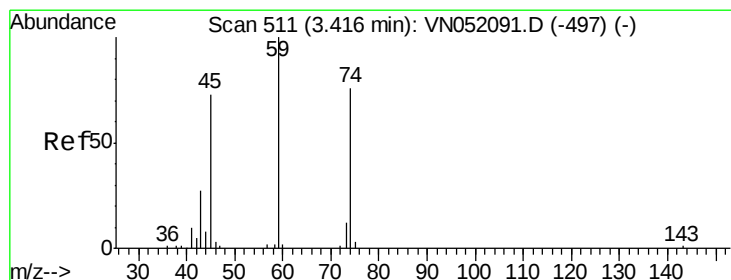
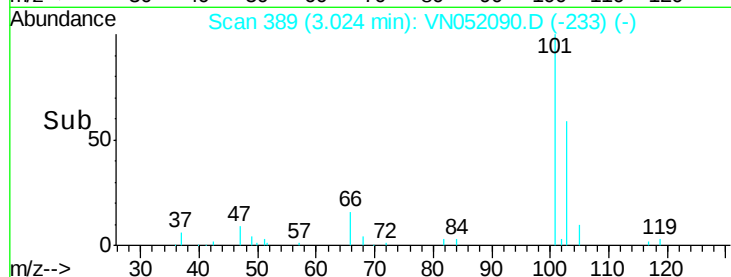
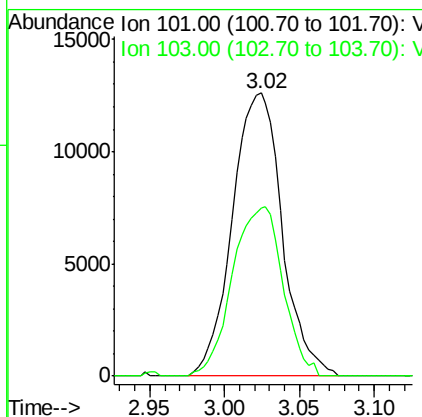
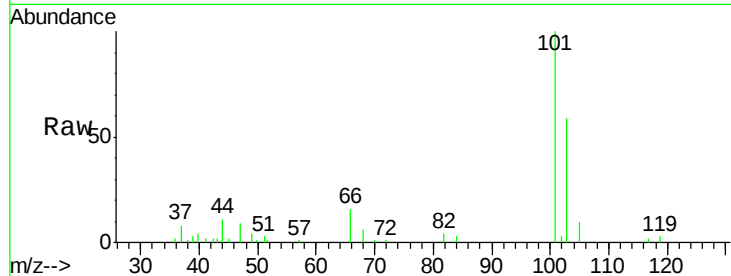
Trichlorofluoromethane
Concen: 5.423 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
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ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.4	49.5	74.3

Manual Integrations
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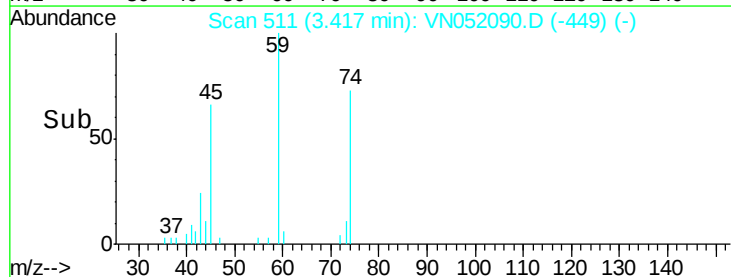
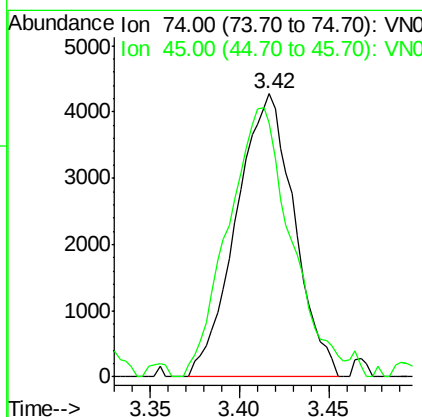
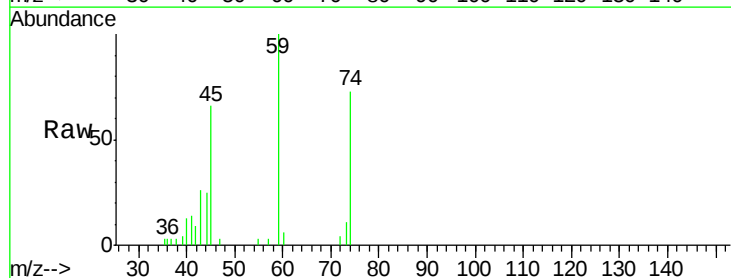
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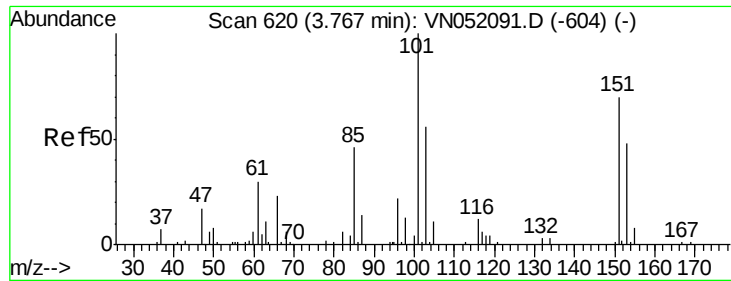


#8

Diethyl Ether
Concen: 5.303 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.3	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.462 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.01 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

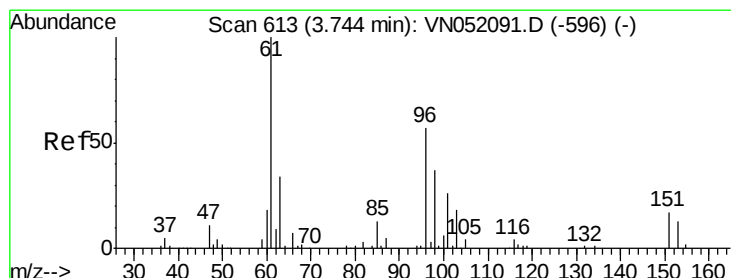
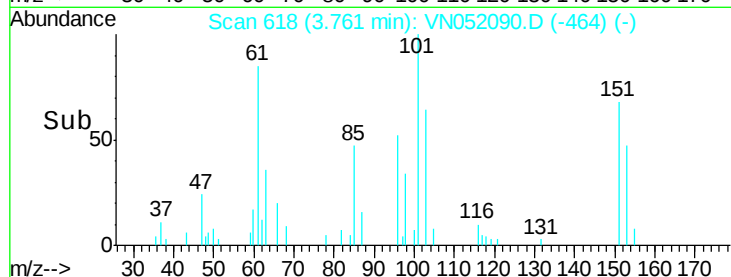
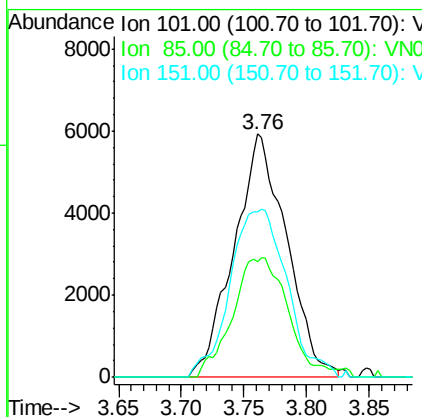
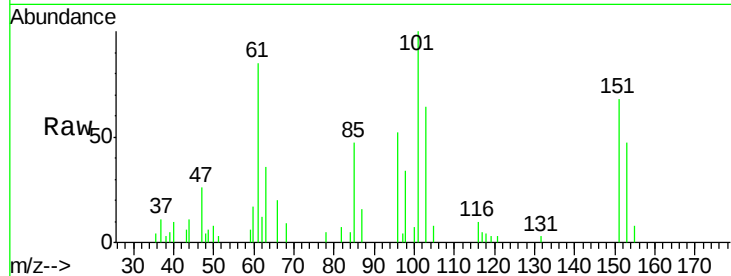
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	17219
Ion Ratio	Lower	Upper	
101	100		
85	24.8	0.0	98.0
151	72.5	0.0	139.6

Manual Integrations
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MMDadoda
11/2/2018 9:20:56 AM



#10

1,1-Dichloroethene

Concen: 5.306 ug/l

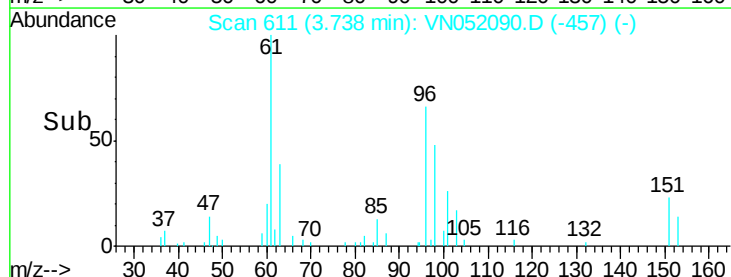
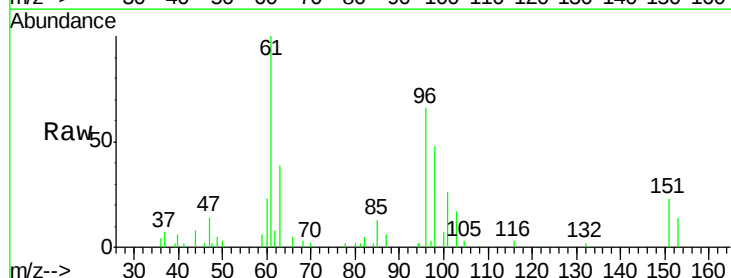
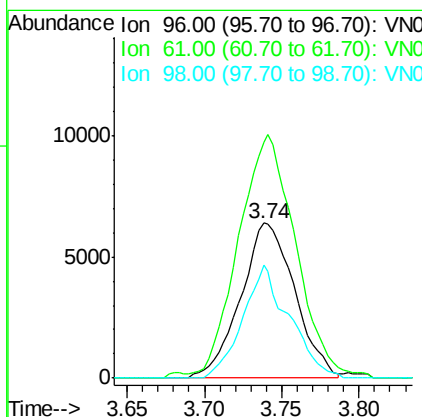
RT: 3.74 min Scan# 611

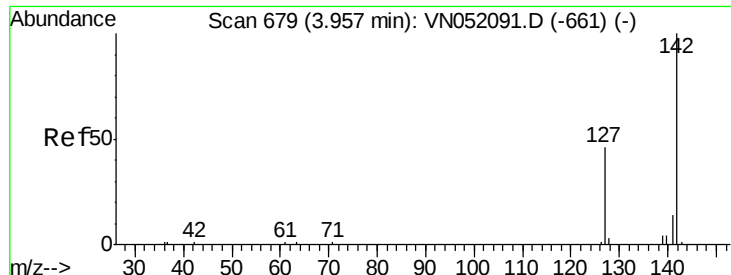
Delta R.T. -0.01 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Tgt Ion:	96	Resp:	15609
Ion Ratio	Lower	Upper	
96	100		
61	149.4	140.3	210.5
98	73.2	52.0	78.0





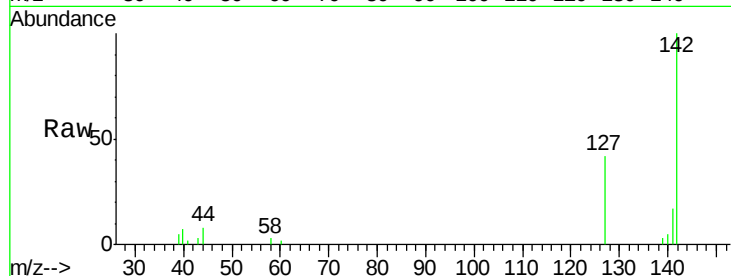
#11
Methyl Iodide
Concen: 4.541 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

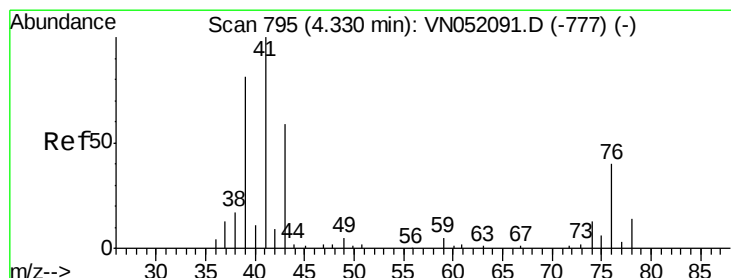
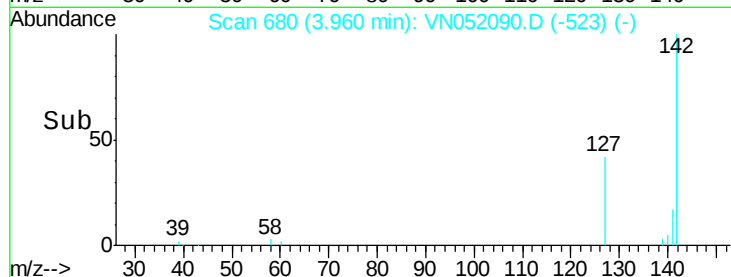
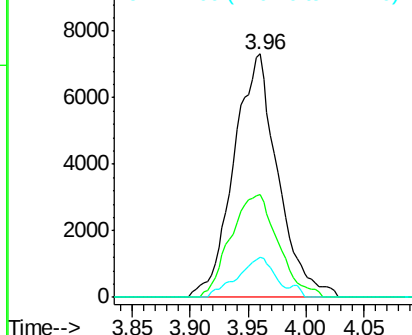
Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.0	23.1	69.2
141	16.5	7.0	20.9

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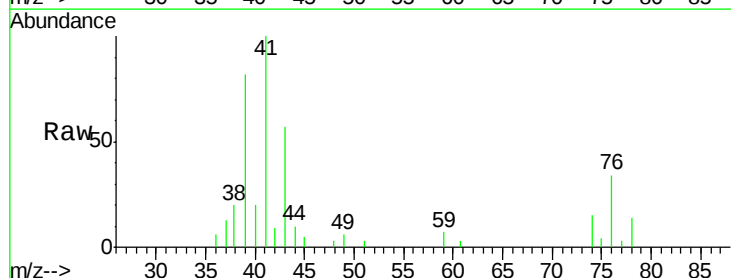


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

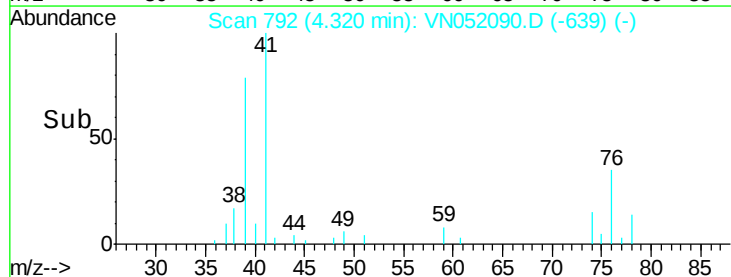
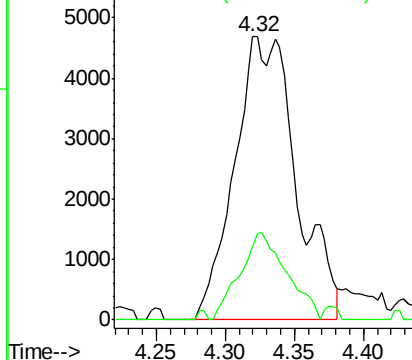


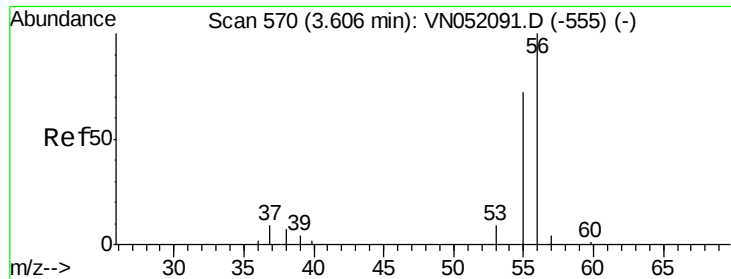
#12
Methyl Acetate
Concen: 5.722 ug/l m
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	17.4	26.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





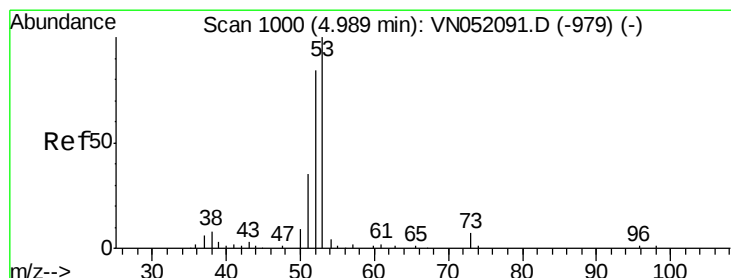
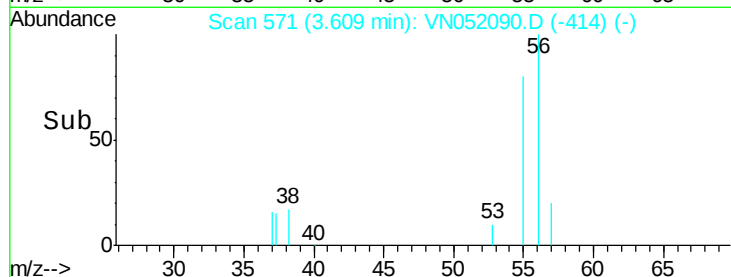
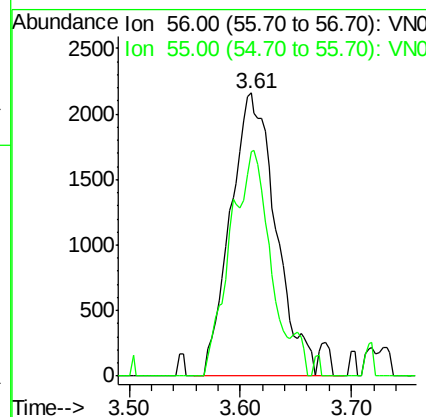
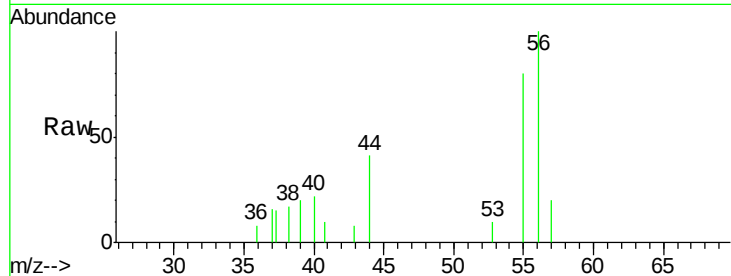
#13
 Acrolein
 Concen: 23.634 ug/l m
 RT: 3.61 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 56 Resp: 6277
 Ion Ratio Lower Upper
 56 100
 55 39.7 56.2 84.2#

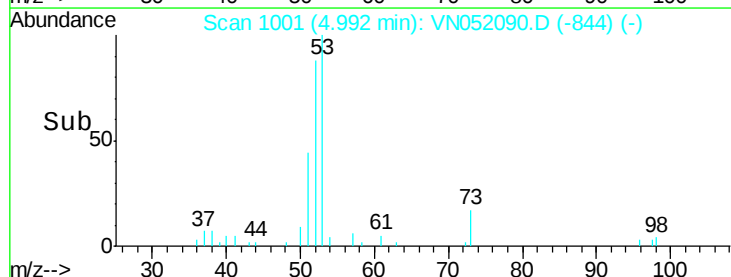
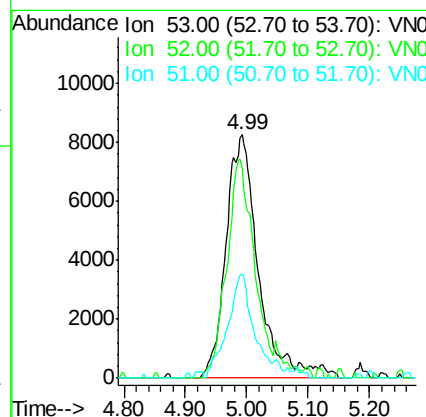
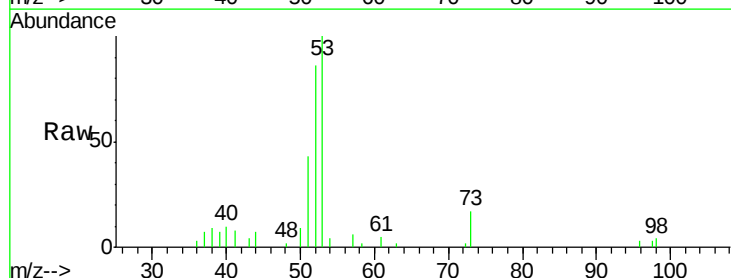
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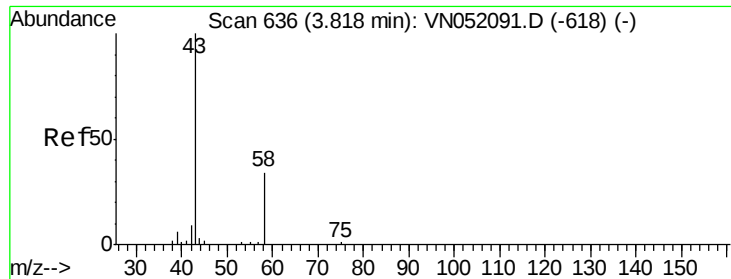
MMDadoda
 11/2/2018 9:20:56 AM



#14
 Acrylonitrile
 Concen: 27.647 ug/l m
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion: 53 Resp: 30355
 Ion Ratio Lower Upper
 53 100
 52 75.4 41.3 124.1
 51 33.8 18.6 55.6





#15

Acetone

Concen: 31.033 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 58 Resp: 8053

Ion Ratio Lower Upper

58 100

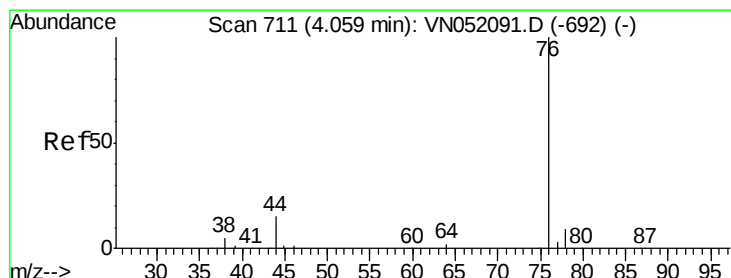
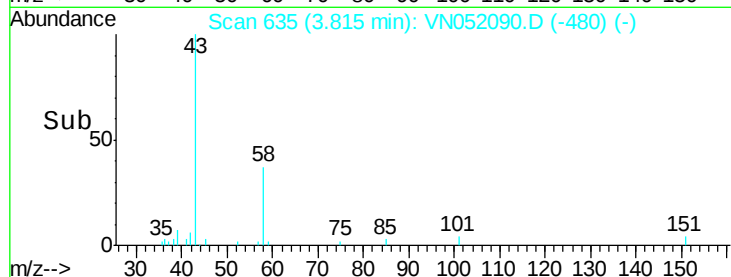
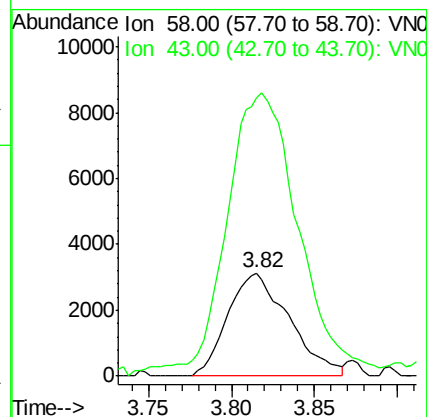
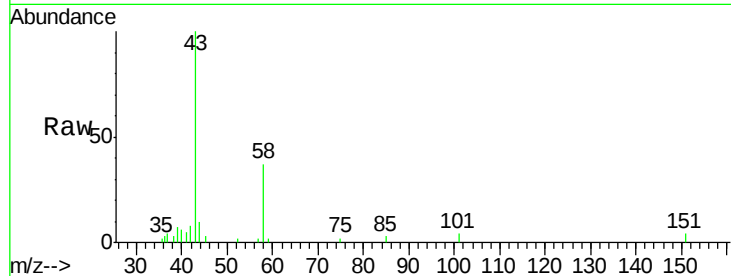
43 253.3 234.7 352.1

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#16

Carbon Disulfide

Concen: 4.975 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.01 min

Lab File: VN052090.D

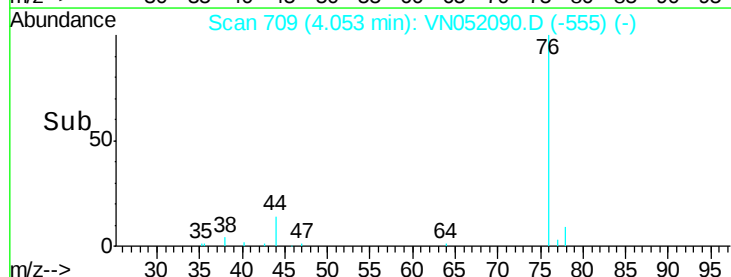
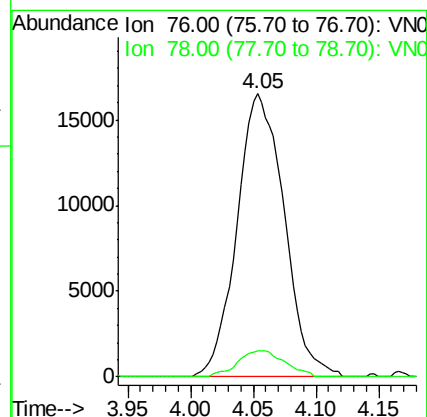
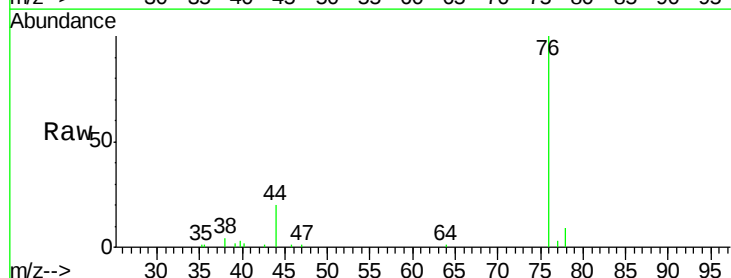
Acq: 1 Nov 2018 8:22

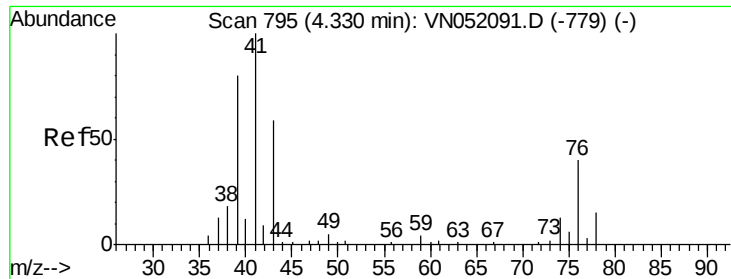
Tgt Ion: 76 Resp: 43213

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6





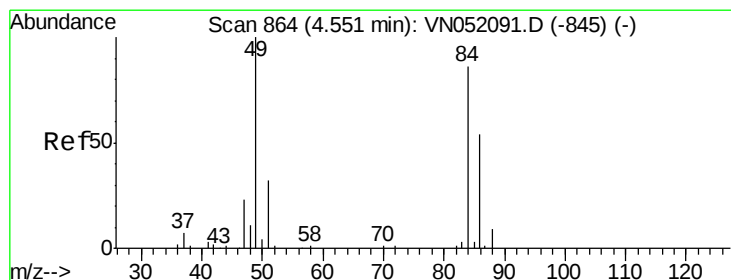
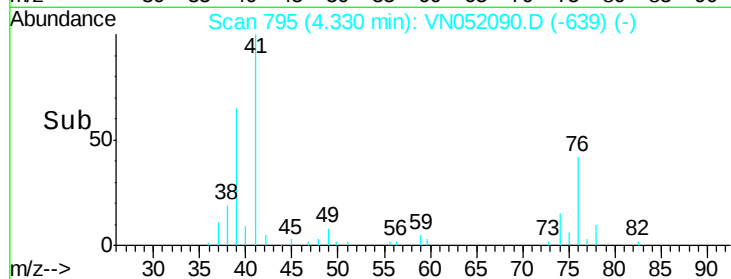
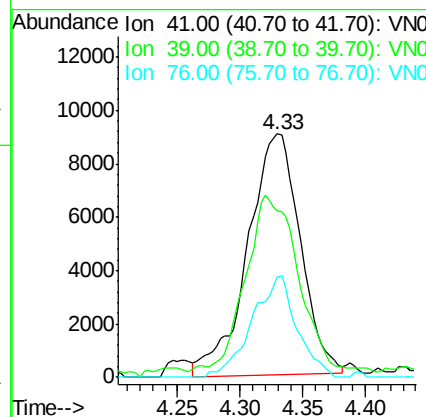
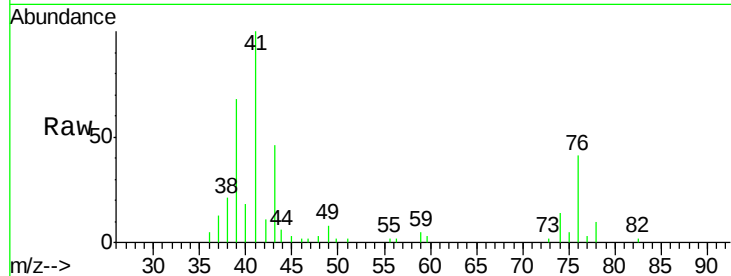
#17
 Allyl chloride
 Concen: 5.276 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.2	38.4	115.1
76	42.7	18.8	56.3

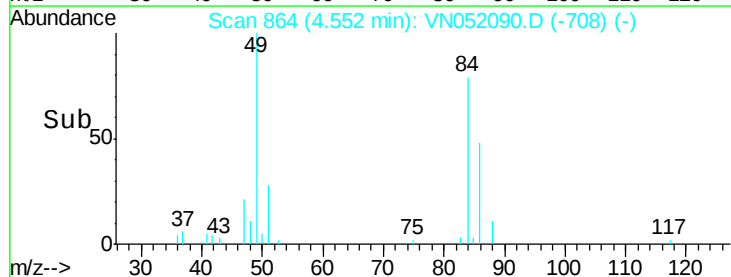
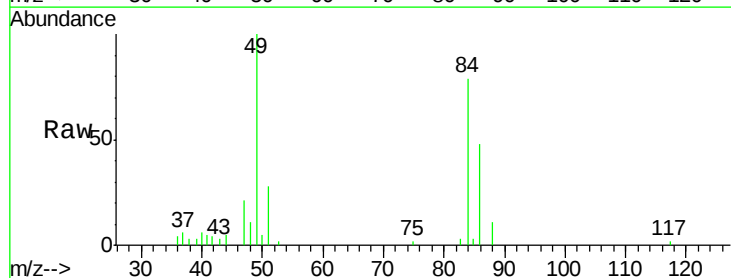
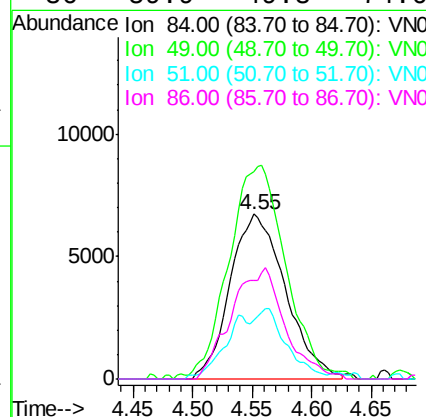
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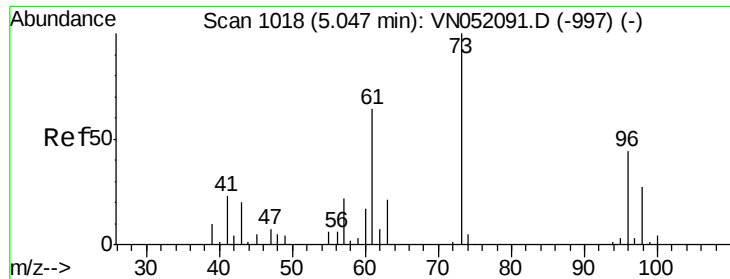
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 11/2/2018 9:20:56 AM



#18
 Methylene Chloride
 Concen: 5.981 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.2	92.6	138.8
51	33.3	29.7	44.5
86	59.9	49.8	74.6





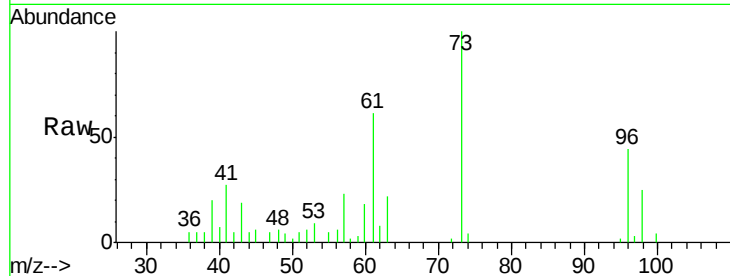
#19
trans-1,2-Dichloroethene
Concen: 5.127 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.5	117.8	176.6
98	56.7	49.3	73.9

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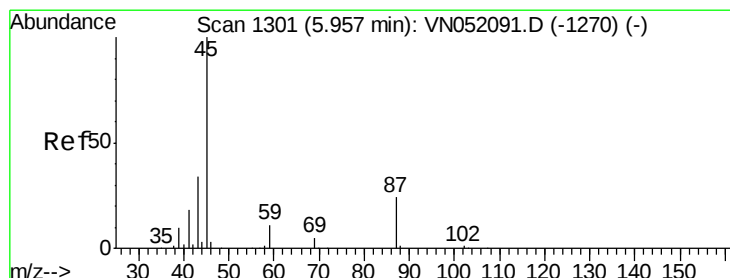
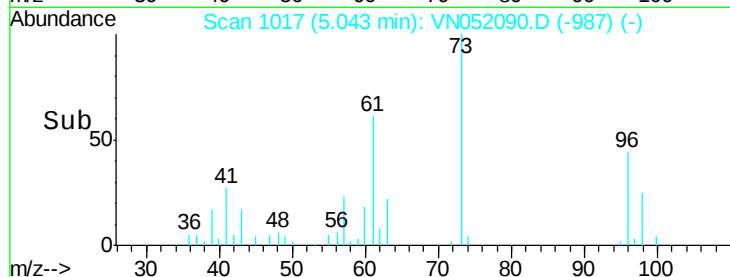
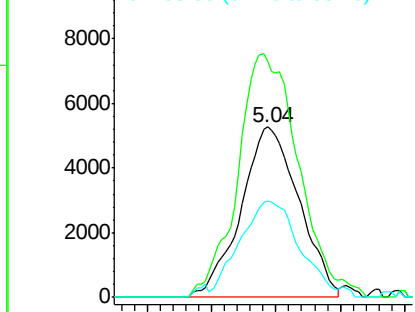


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 5.234 ug/l m
RT: 5.94 min Scan# 1297
Delta R.T. -0.01 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	81.8	49.4	74.0#
87	29.4	20.3	30.5
59	11.9	8.6	12.8

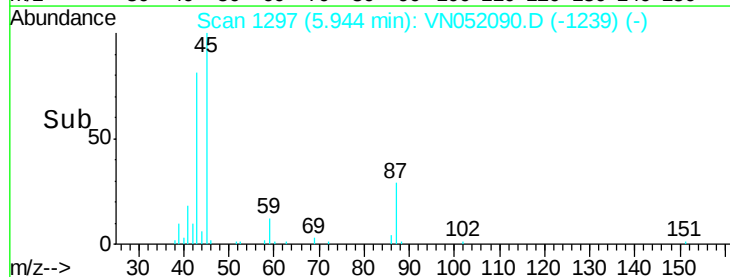
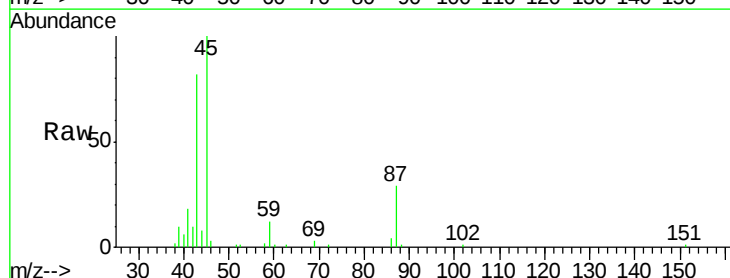
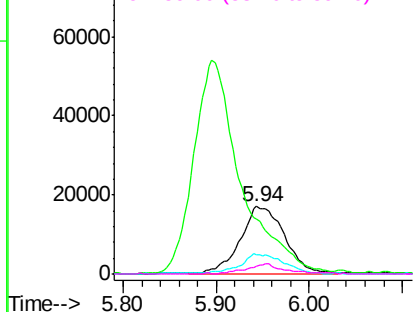
Abundance

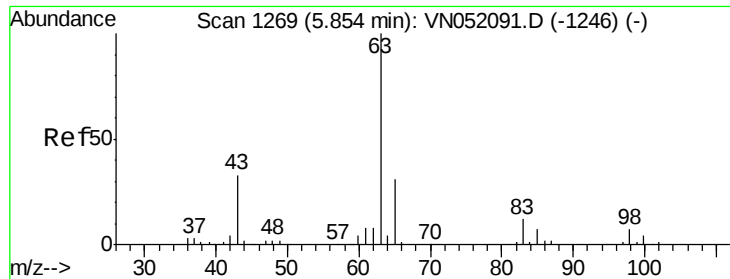
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





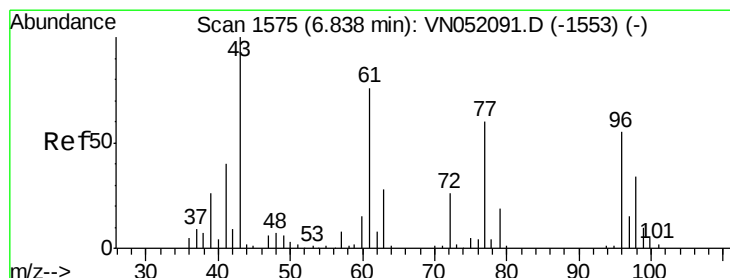
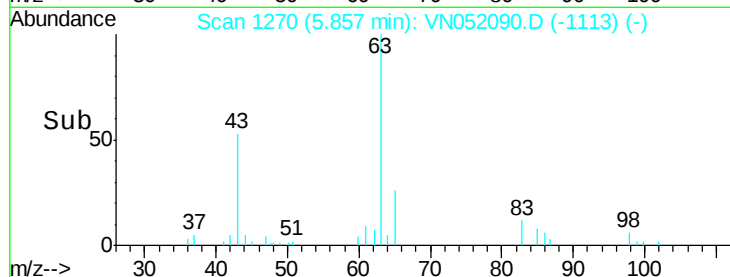
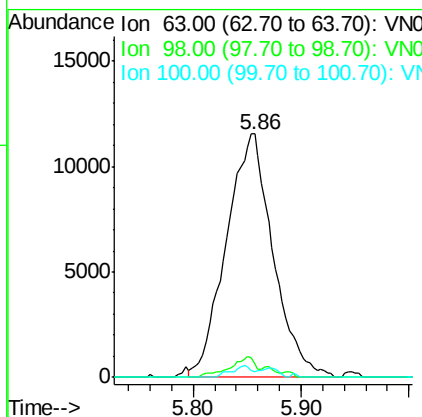
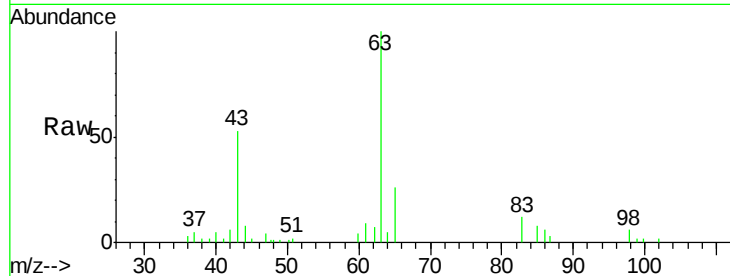
#21
 1,1-Dichloroethane
 Concen: 5.495 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	34851		
98	5.6	3.4	10.1	
100	2.2	2.0	5.8	

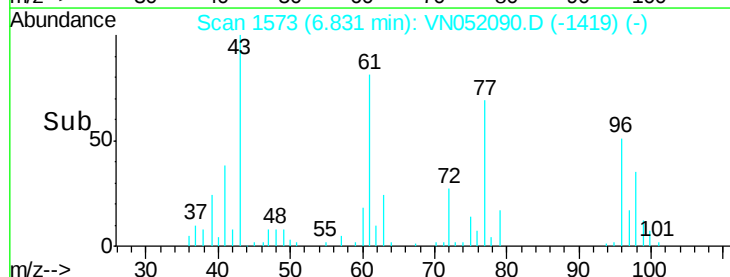
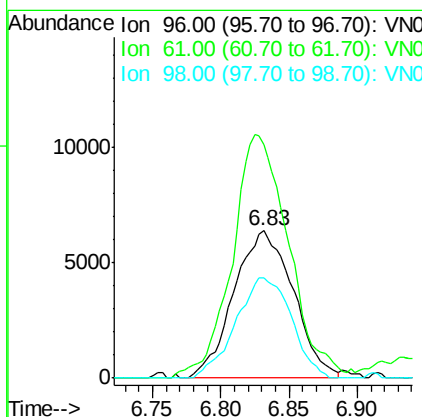
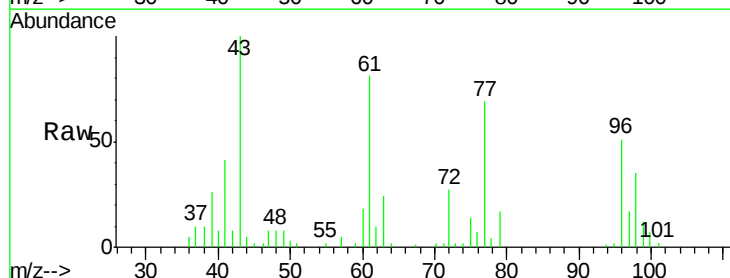
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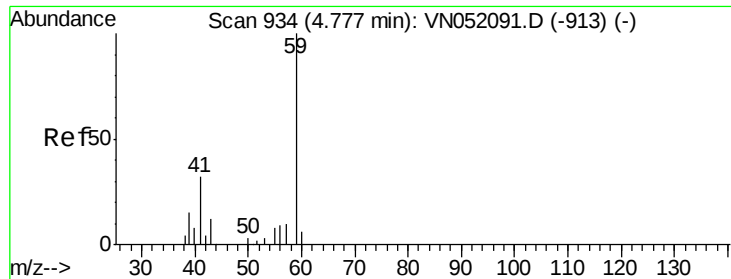
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#22
 cis-1,2-Dichloroethene
 Concen: 5.153 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	19395		
61	155.5	117.6	176.4	
98	63.6	51.0	76.4	





#23

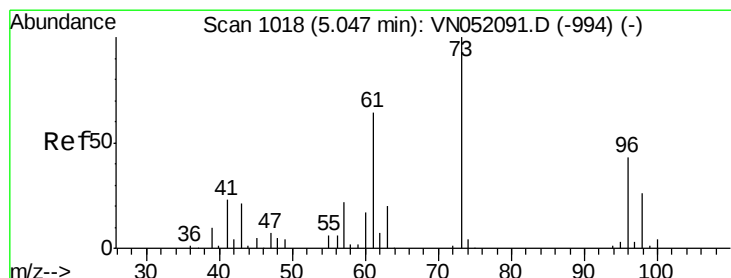
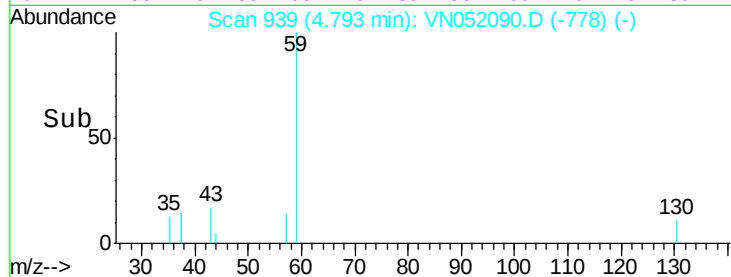
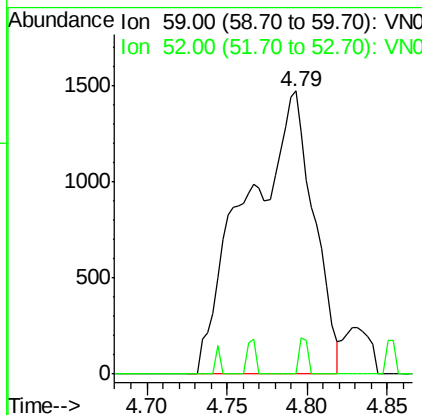
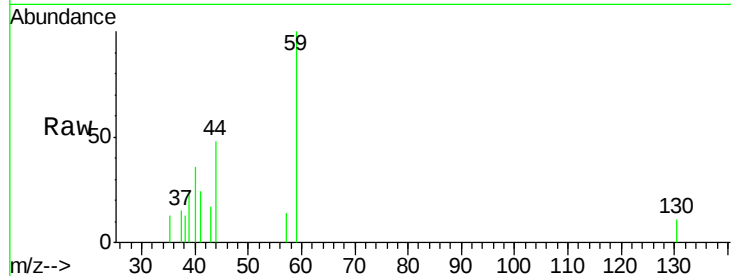
tert-Butyl Alcohol
Concen: 24.402 ug/l m
RT: 4.79 min Scan# 939
Delta R.T. 0.02 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 4227
Ion Ratio Lower Upper
59 100
52 1.6 0.3 0.5#

Manual Integrations
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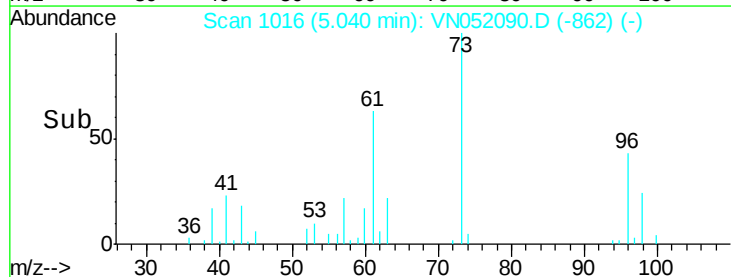
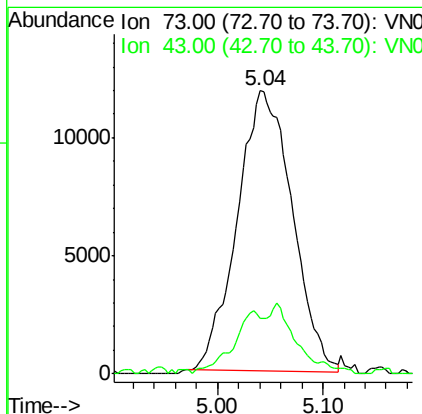
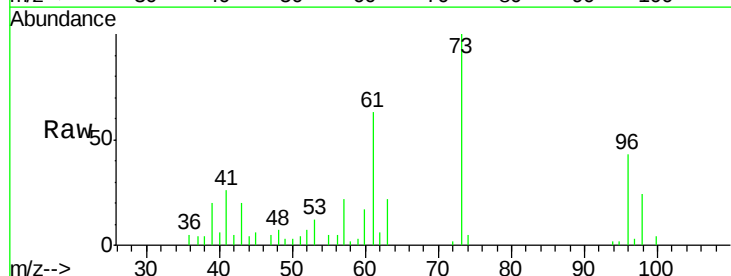
MMDadoda
11/2/2018 9:20:56 AM

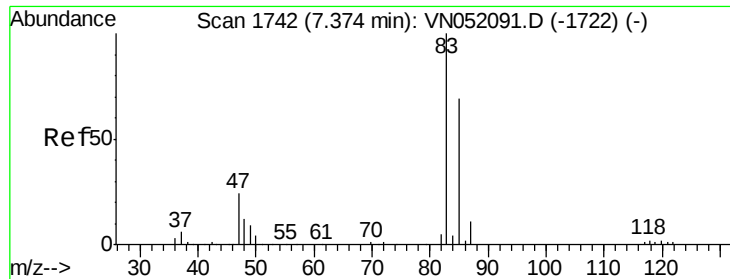


#24

Methyl tert-Butyl Ether
Concen: 5.182 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion: 73 Resp: 43214
Ion Ratio Lower Upper
73 100
43 5.8 17.4 26.2#





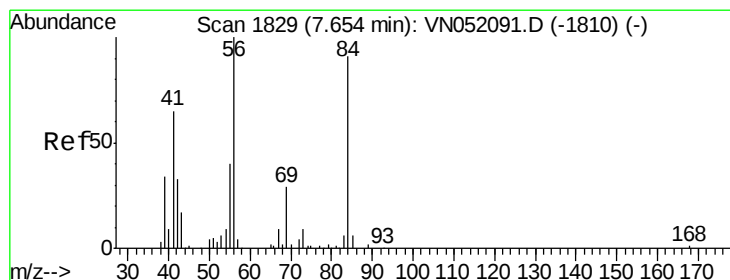
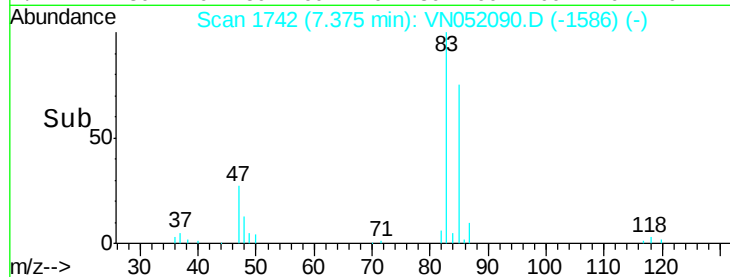
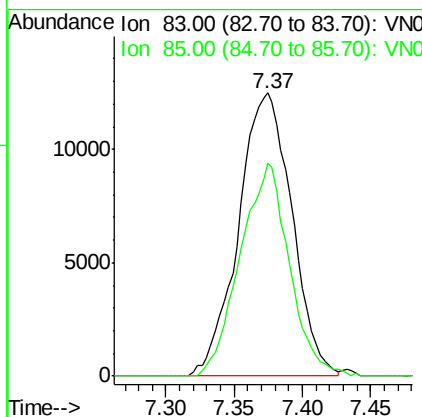
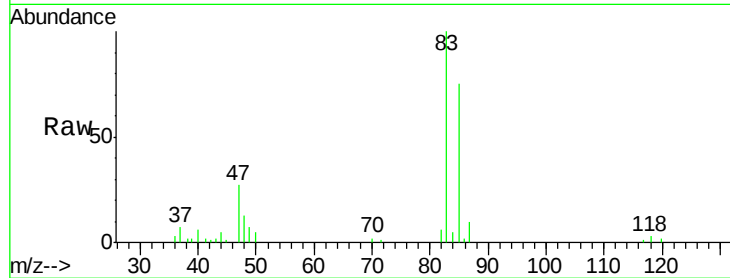
#25
Chloroform
Concen: 5.325 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	75.2	54.9	82.3

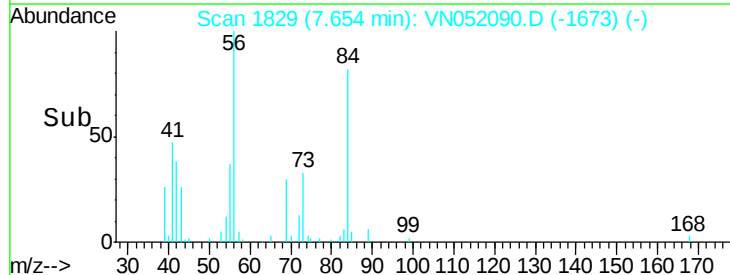
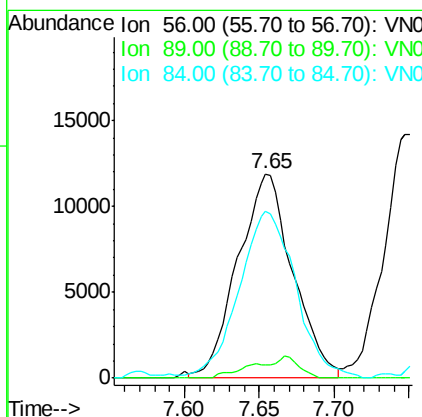
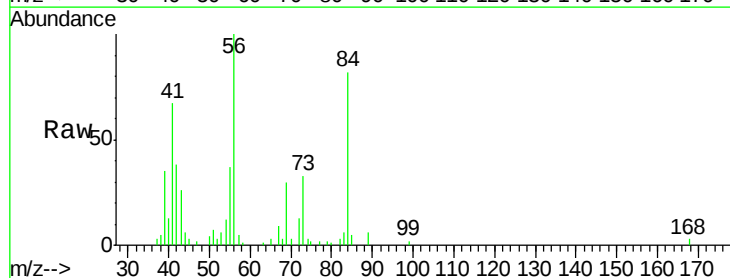
Manual Integrations
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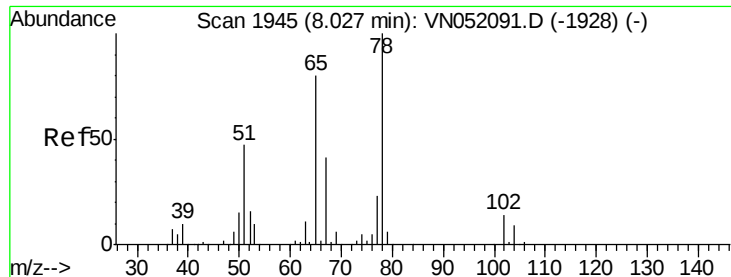
MMDadoda
11/2/2018 9:20:56 AM



#26
Cyclohexane
Concen: 5.334 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
56	100		
89	3.0	2.2	3.2
84	84.3	71.0	106.6





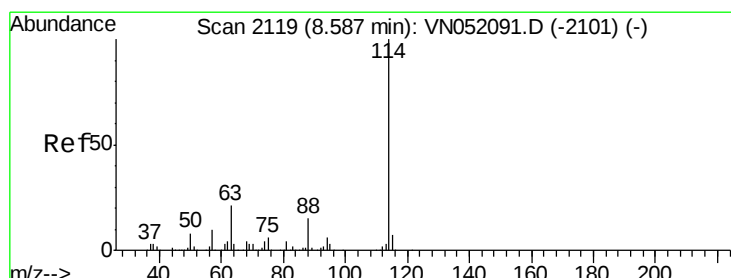
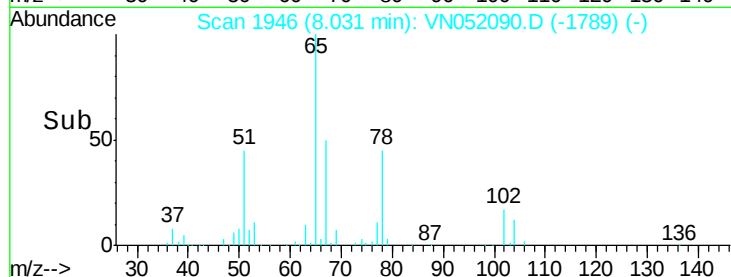
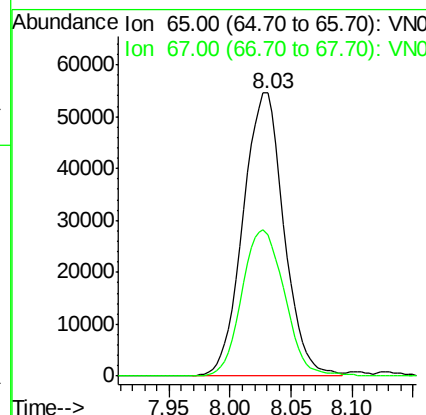
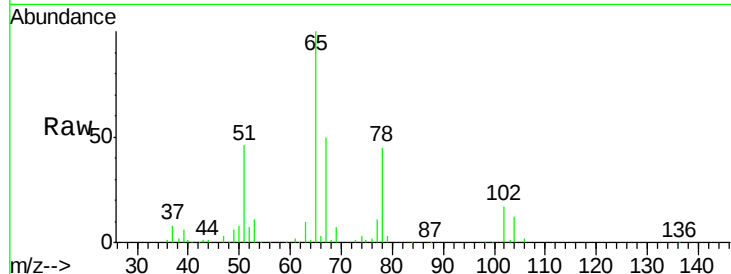
#27
 1,2-Dichloroethane-d4
 Concen: 5.334 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 126369
 Ion Ratio Lower Upper
 65 100
 67 53.9 42.6 64.0

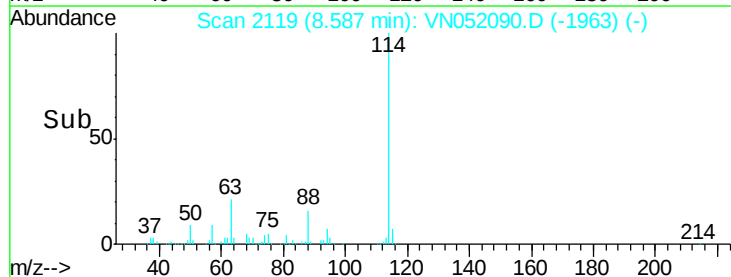
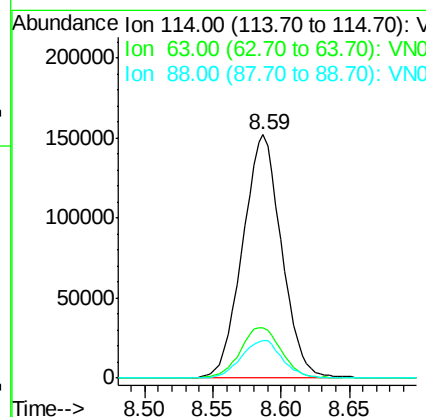
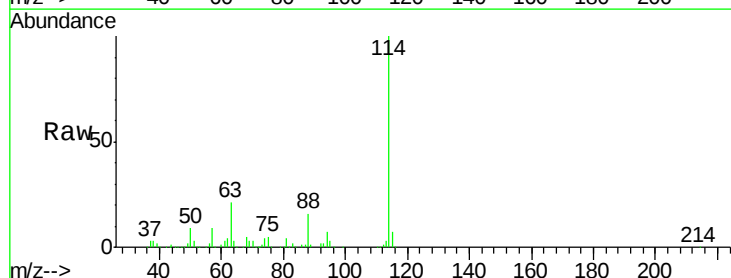
Manual Integrations
 APPROVED

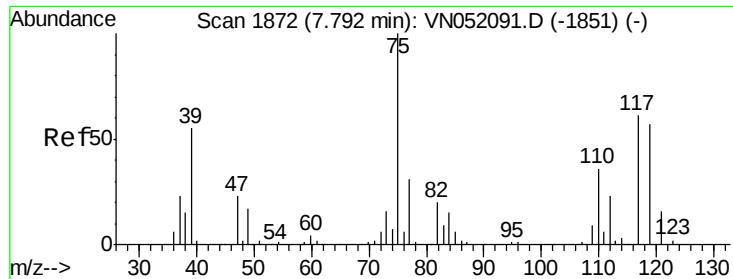
MMDadoda
 11/2/2018 9:20:56 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion: 114 Resp: 301478
 Ion Ratio Lower Upper
 114 100
 63 22.2 17.5 26.3
 88 16.1 12.6 18.8





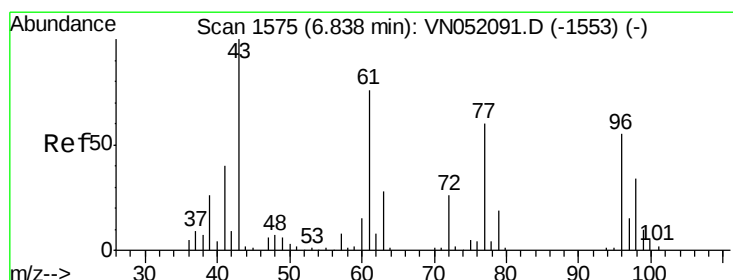
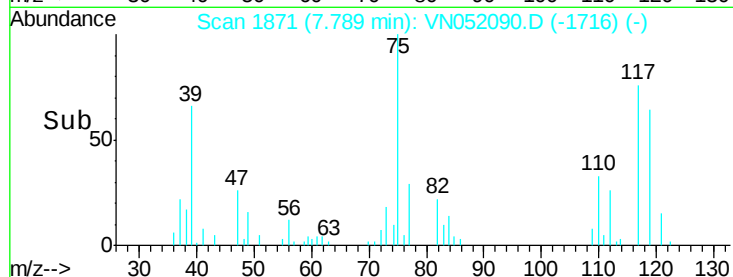
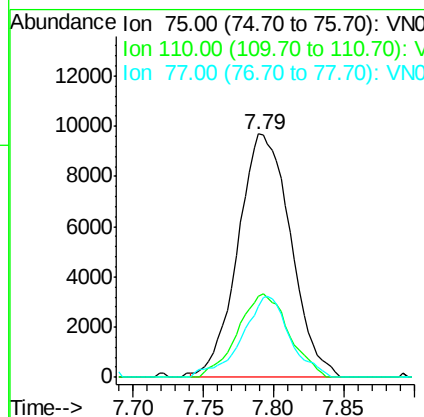
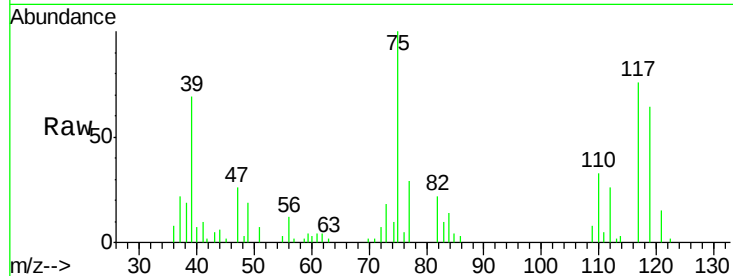
#29
 1,1-Dichloropropene
 Concen: 5.291 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.1	0.0	67.6
77	30.3	0.0	60.2

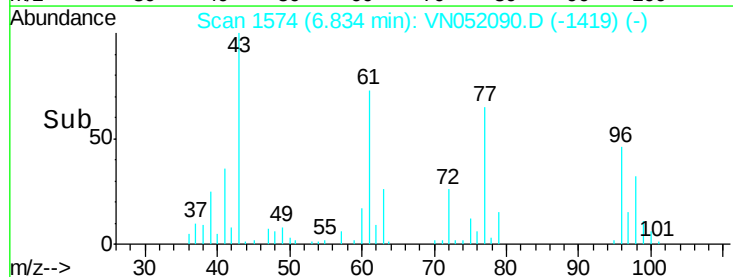
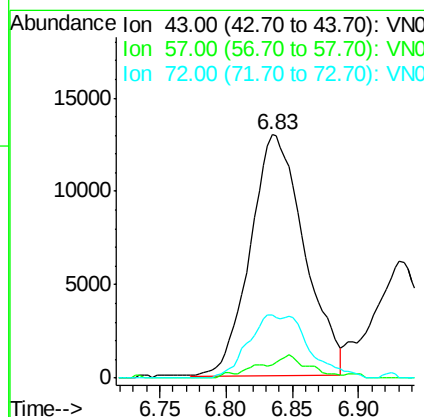
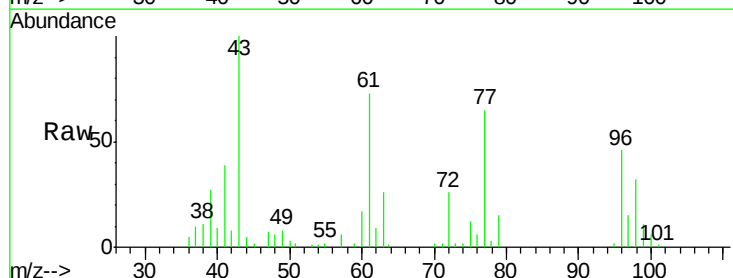
Manual Integrations
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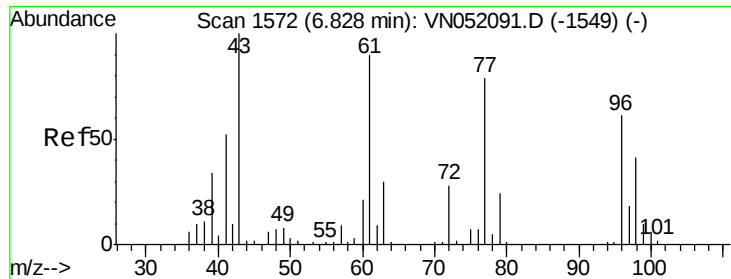
MMDadoda
 11/2/2018 9:20:56 AM



#30
 2-Butanone
 Concen: 28.826 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
43	100		
57	1.6	6.6	9.8#
72	15.7	9.2	13.8#





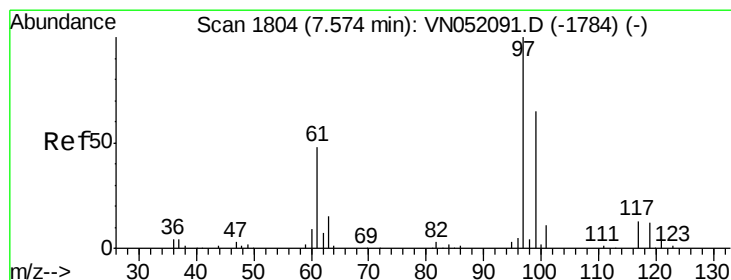
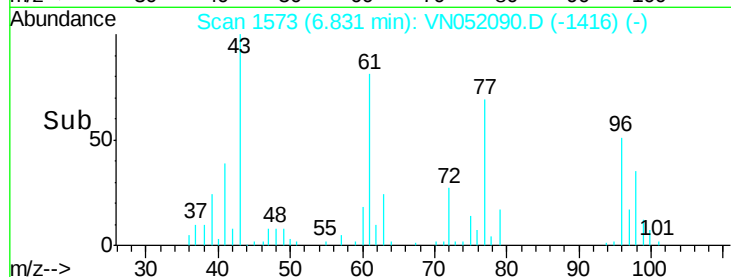
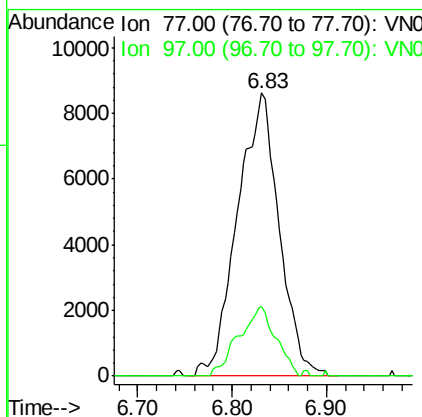
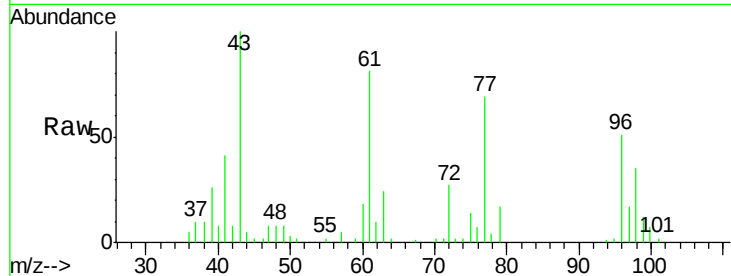
#31
 2,2-Dichloropropane
 Concen: 5.344 ug/l m
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 77 Resp: 26360
 Ion Ratio Lower Upper
 77 100
 97 5.0 18.2 27.2#

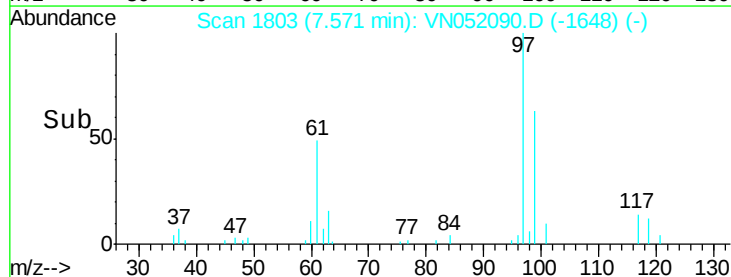
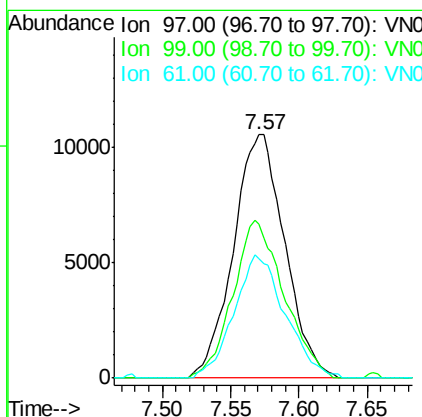
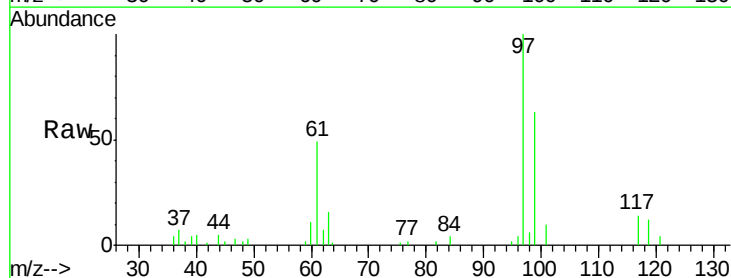
Manual Integrations
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#32
 1,1,1-Trichloroethane
 Concen: 5.151 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion: 97 Resp: 27586
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.7 77.5
 61 50.2 38.7 58.1





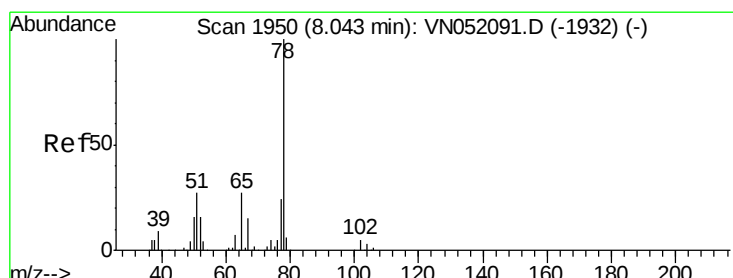
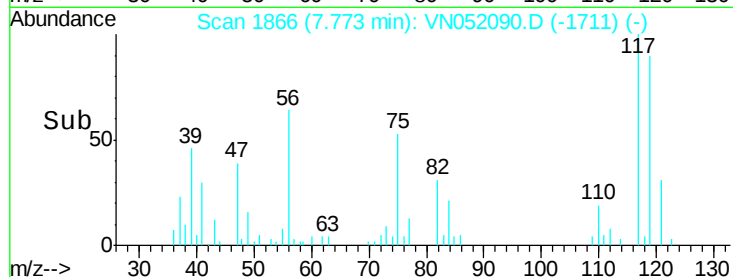
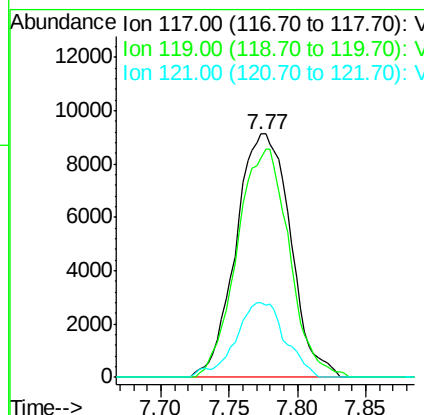
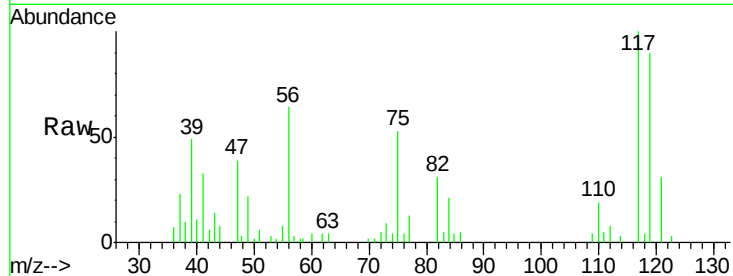
#33
Carbon Tetrachloride
Concen: 5.296 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.9	74.7	112.1
121	30.7	23.4	35.0

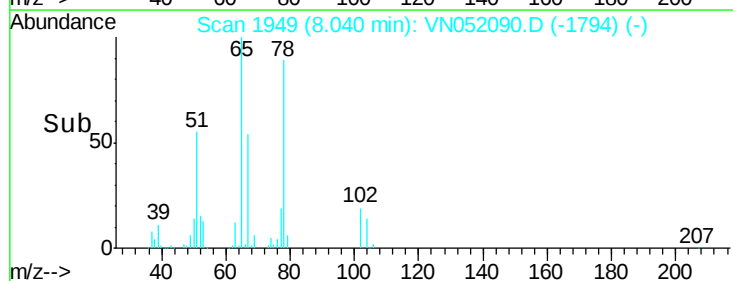
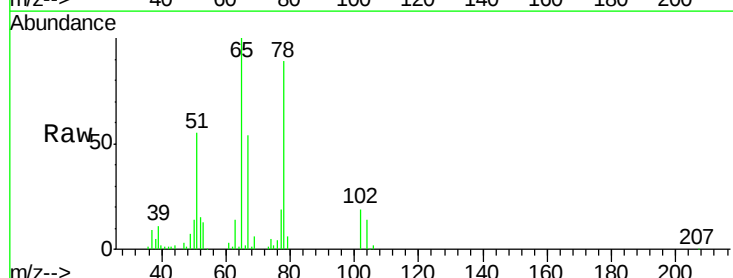
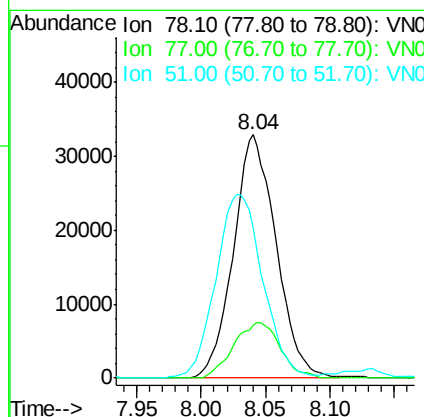
Manual Integrations
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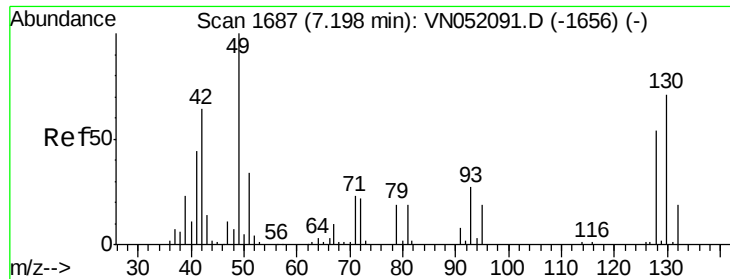
MMDadoda
11/2/2018 9:20:56 AM



#34
Benzene
Concen: 5.398 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.1	28.7
51	59.4	21.2	31.8





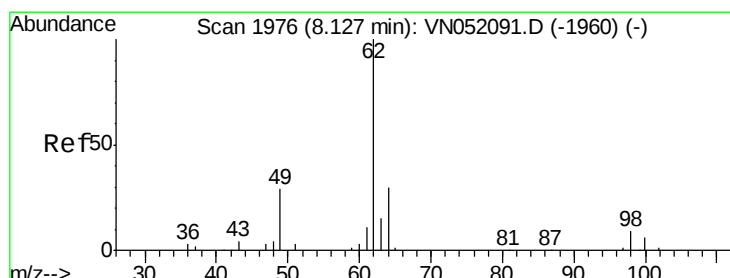
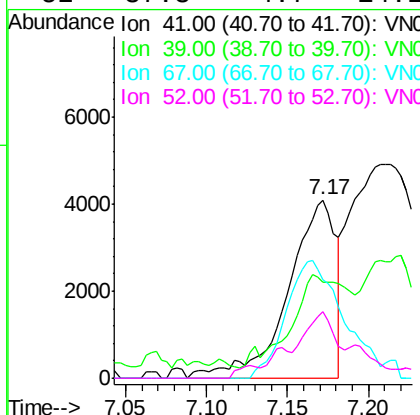
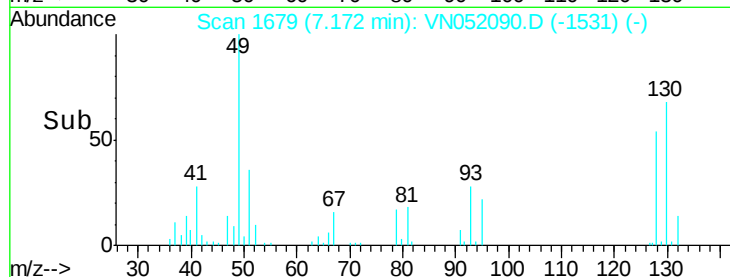
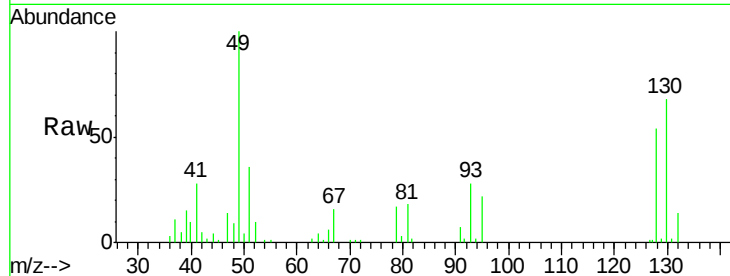
#35
Methacrylonitrile
Concen: 3.285 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.03 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 41 Resp: 8473
Ion Ratio Lower Upper
41 100
39 54.0 26.1 78.3
67 55.6 11.0 33.0#
52 37.3 4.7 14.1#

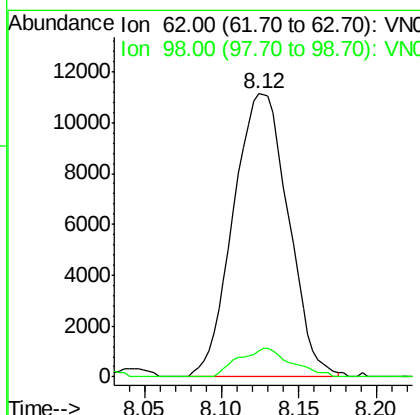
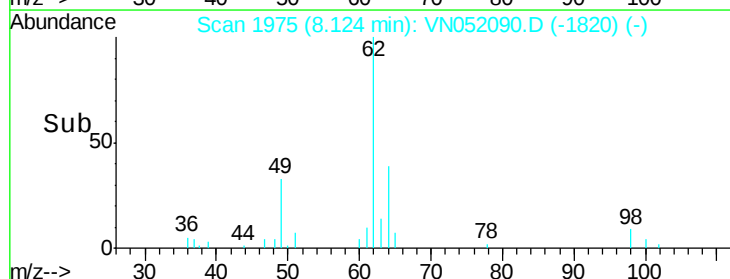
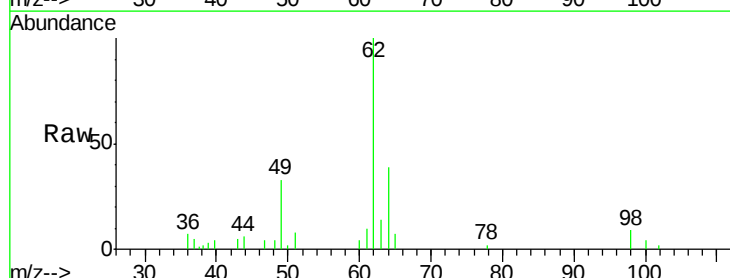
Manual Integrations
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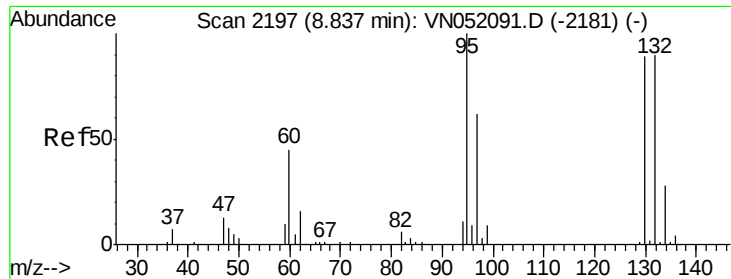
MMDadoda
11/2/2018 9:20:56 AM



#36
1,2-Dichloroethane
Concen: 5.883 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion: 62 Resp: 27567
Ion Ratio Lower Upper
62 100
98 9.7 6.7 10.1





#37

Trichloroethene

Concen: 5.157 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tgt Ion:130 Resp: 18090

Ion Ratio Lower Upper

130 100

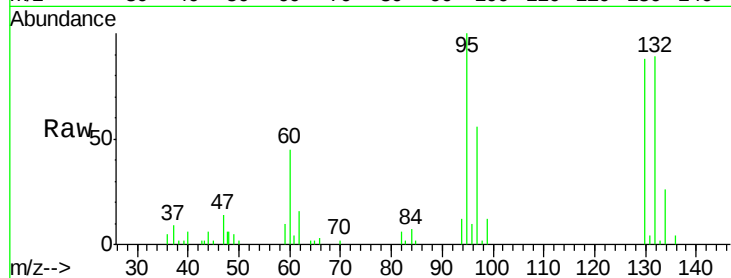
95 114.1 89.9 134.9

Manual Integrations

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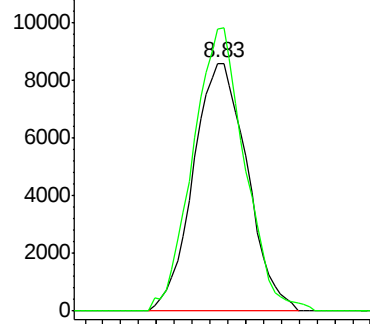
MMDadoda

11/2/2018 9:20:56 AM

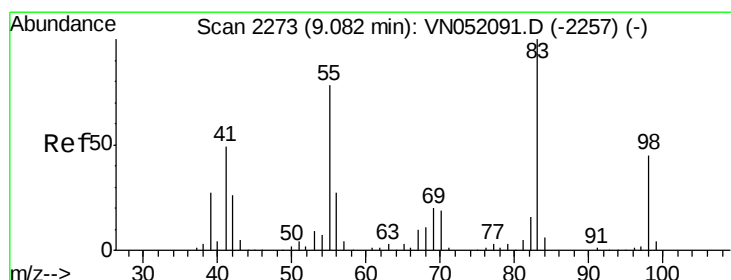
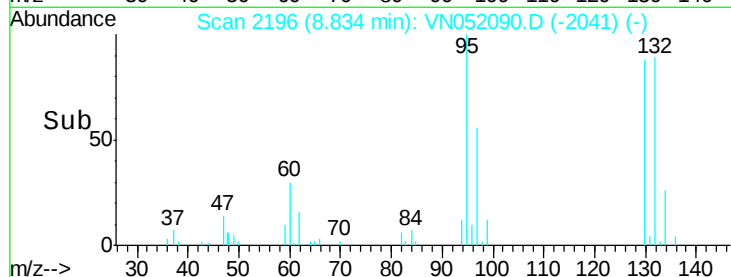


Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



Time-->



#38

Methylcyclohexane

Concen: 5.354 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

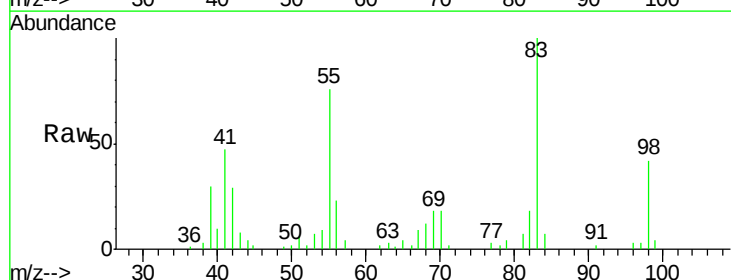
Tgt Ion: 83 Resp: 31260

Ion Ratio Lower Upper

83 100

55 77.2 38.5 115.3

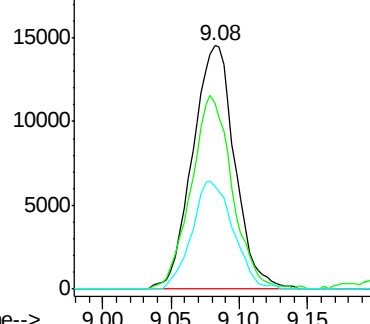
98 43.2 23.2 69.6



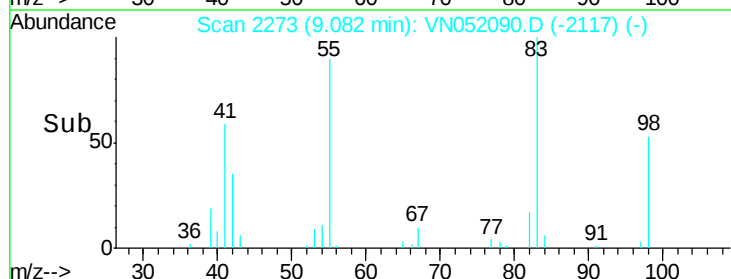
Abundance Ion 83.00 (82.70 to 83.70): VN

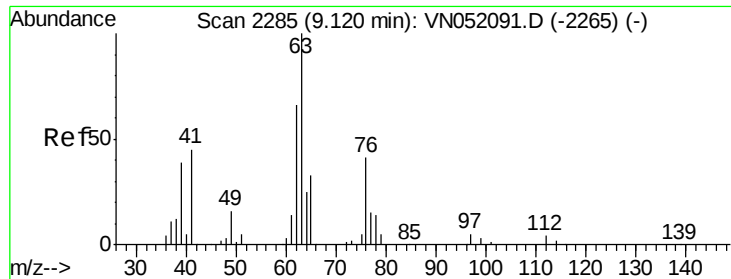
Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN



Time-->





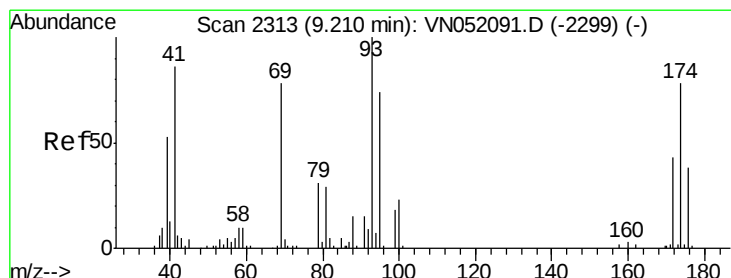
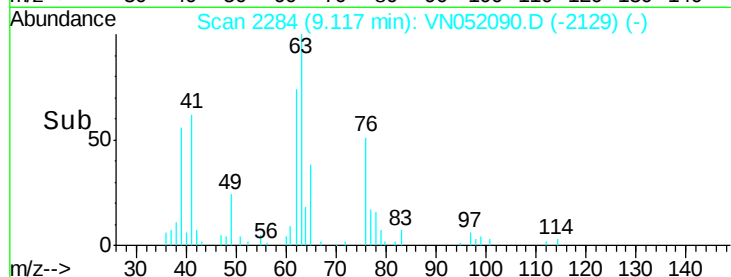
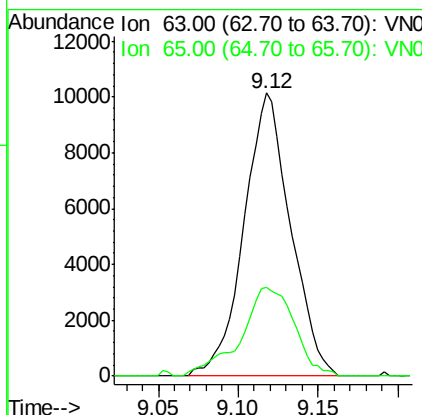
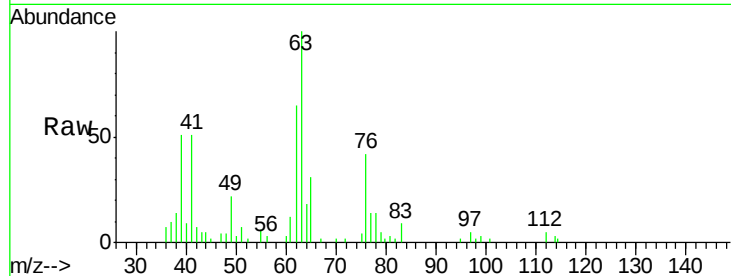
#39
 1,2-Dichloropropane
 Concen: 5.432 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 20265
 Ion Ratio Lower Upper
 63 100
 65 31.3 27.3 40.9

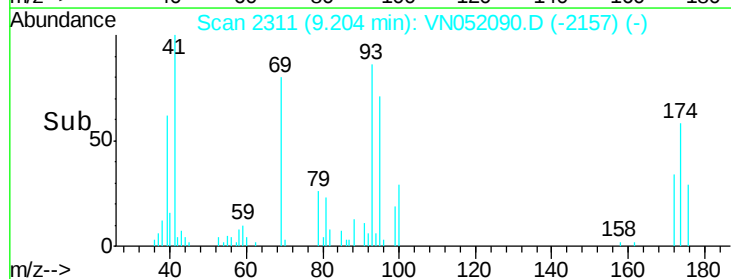
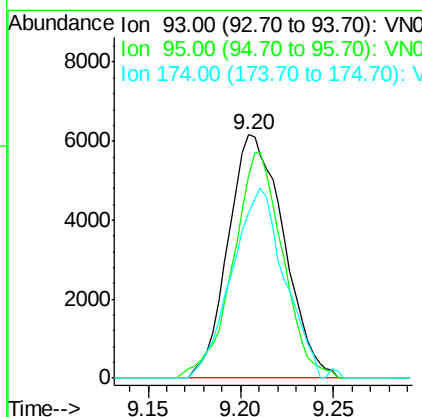
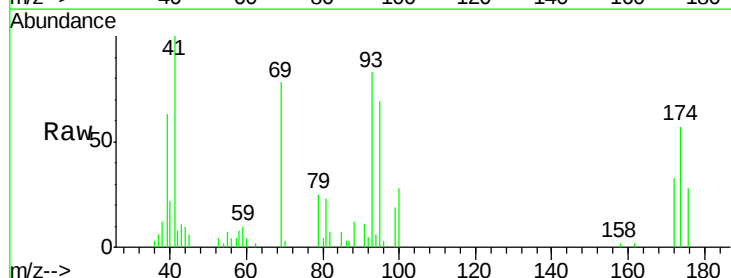
Manual Integrations
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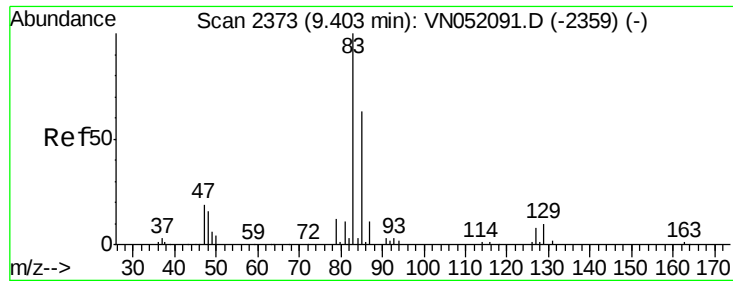
MMDadoda
 11/2/2018 9:20:56 AM



#40
 Dibromomethane
 Concen: 5.585 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion: 93 Resp: 12842
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 161.2
 174 73.9 0.0 165.0





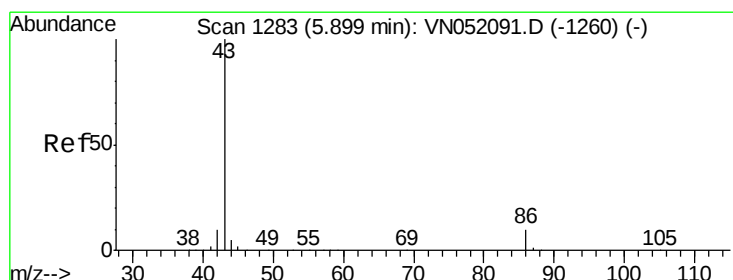
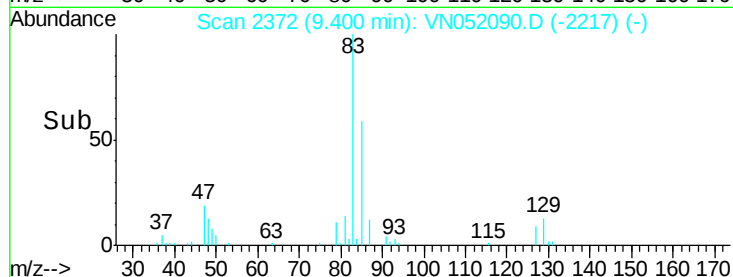
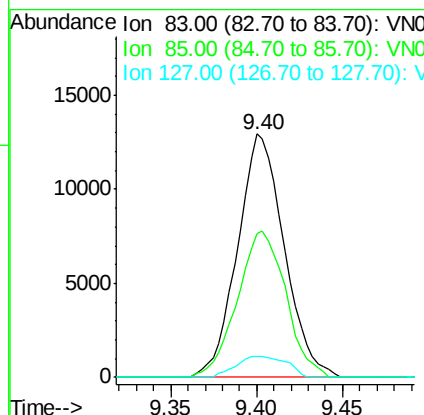
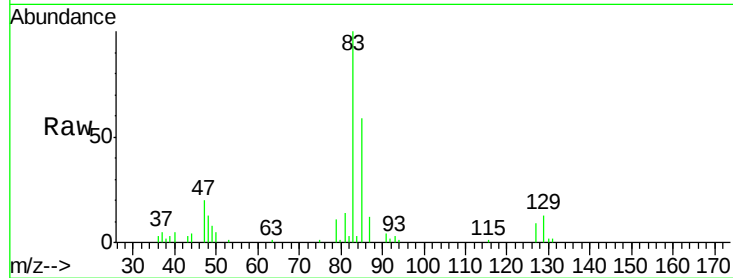
#41
 Bromodichloromethane
 Concen: 5.172 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.2	50.2	75.2
127	8.8	6.6	10.0

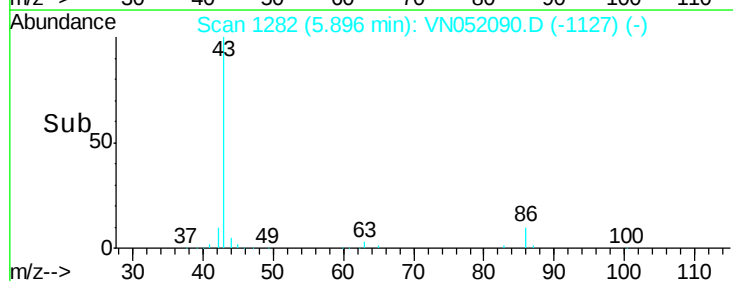
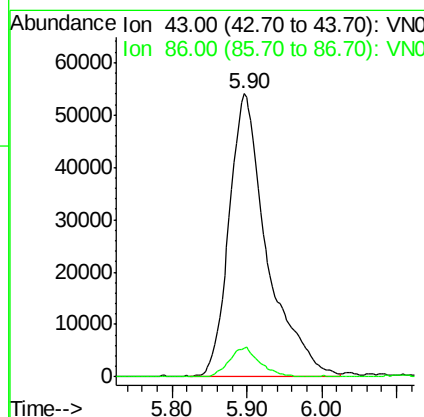
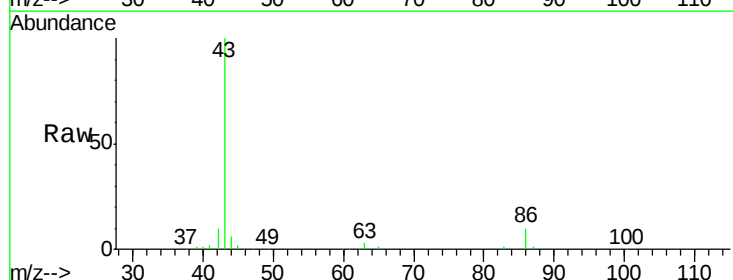
Manual Integrations
 APPROVED

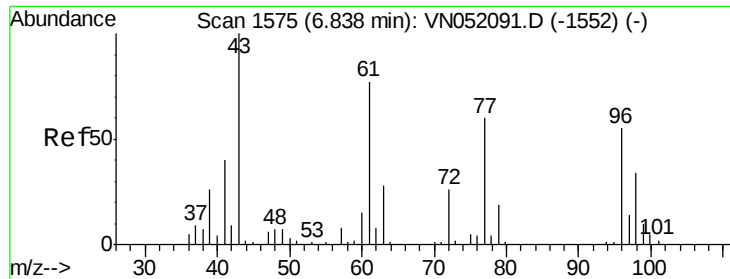
MMDadoda
 11/2/2018 9:20:56 AM



#42
 Vinyl Acetate
 Concen: 25.389 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.4	6.6	10.0





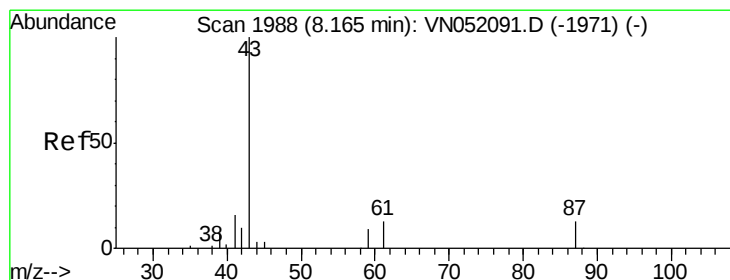
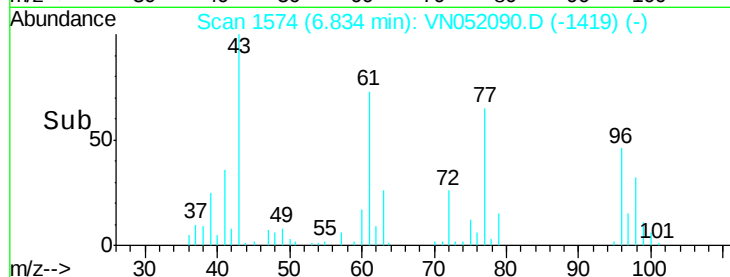
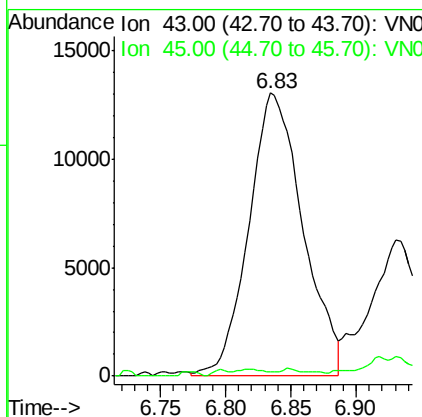
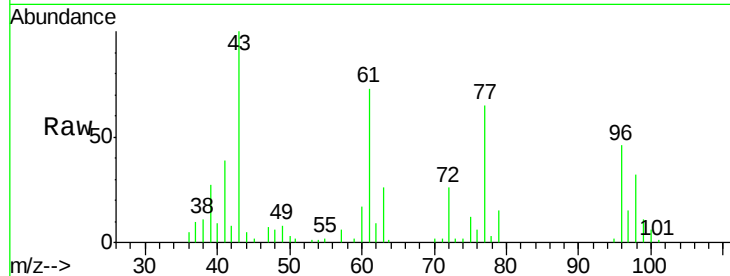
#43
Ethyl Acetate
Concen: 4.233 ug/l m
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 43 Resp: 37557
Ion Ratio Lower Upper
43 100
45 0.2 3.8 5.8#

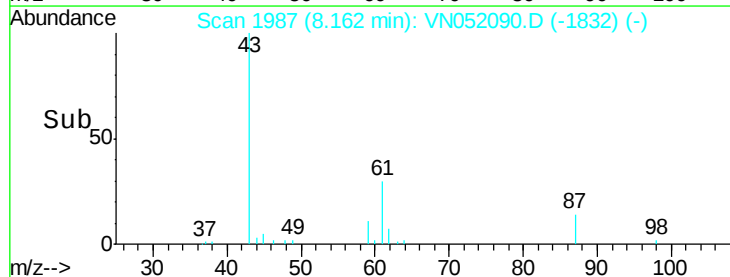
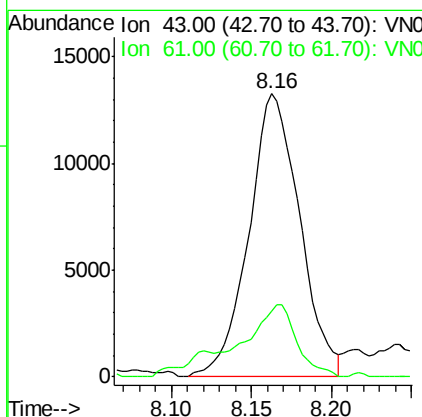
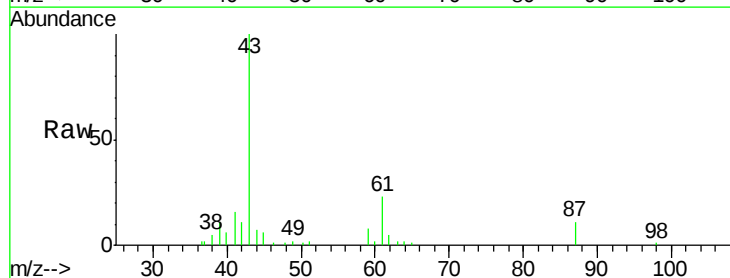
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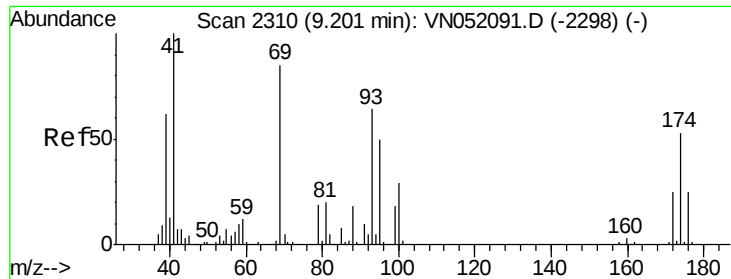
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#44
Isopropyl Acetate
Concen: 5.505 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion: 43 Resp: 29198
Ion Ratio Lower Upper
43 100
61 22.5 16.2 24.2





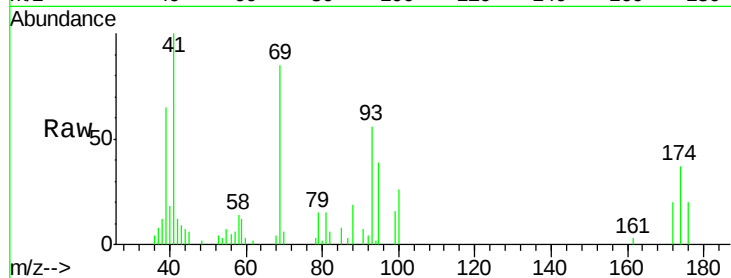
#45
1,4-Dioxane
Concen: 102.542 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

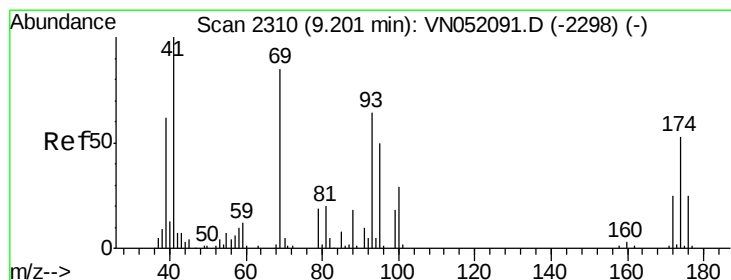
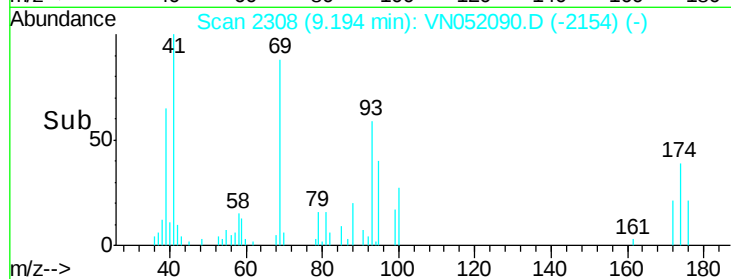
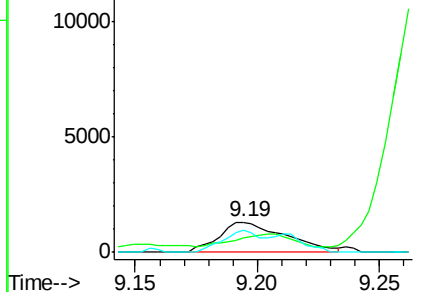
Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.6	43.0#
58	43.2	37.8	56.8

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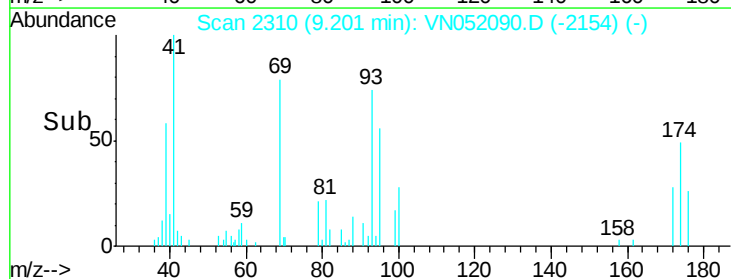
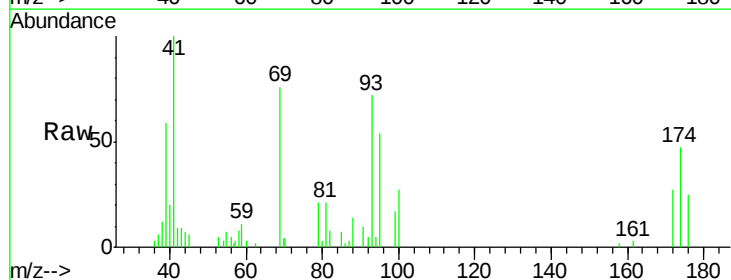
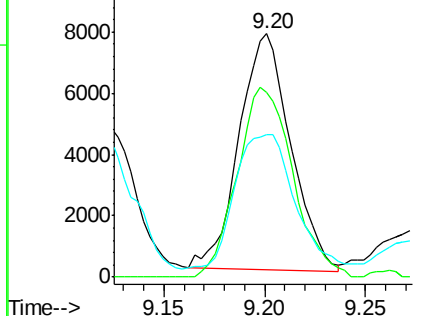
Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

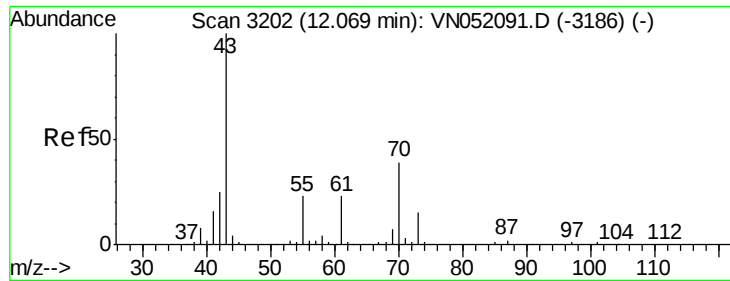


#46
Methyl methacrylate
Concen: 5.243 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.7	42.5	127.6
39	57.0	31.1	93.3

Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





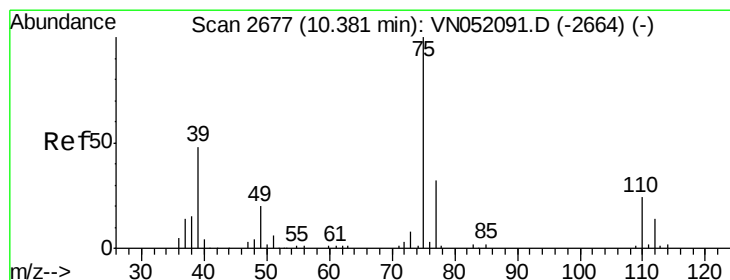
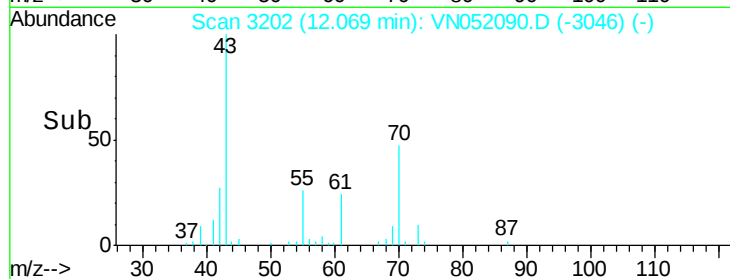
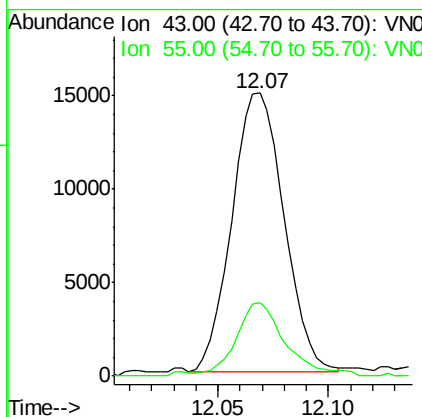
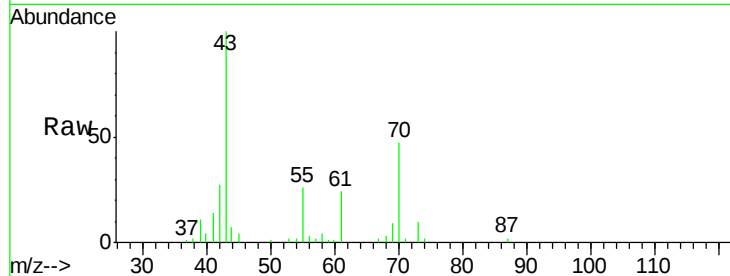
#47
n-amyl Acetate
Concen: 5.068 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 24385
Ion Ratio Lower Upper
43 100
55 25.0 0.0 0.0#

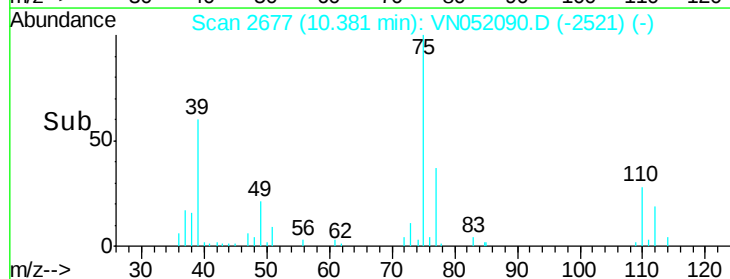
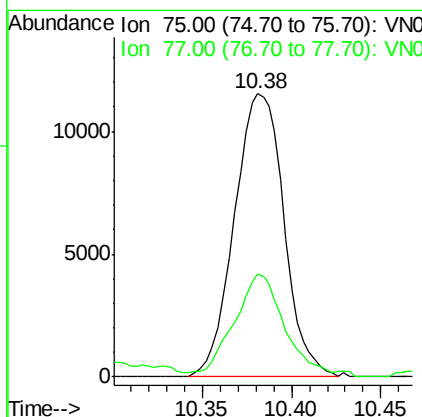
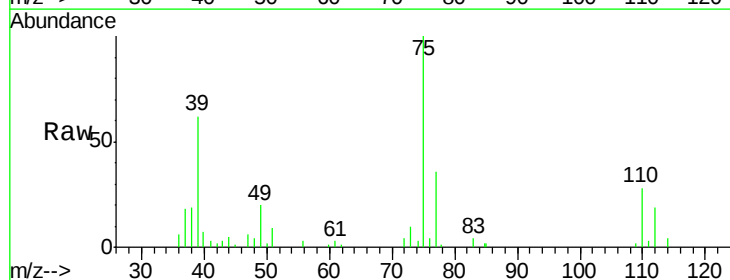
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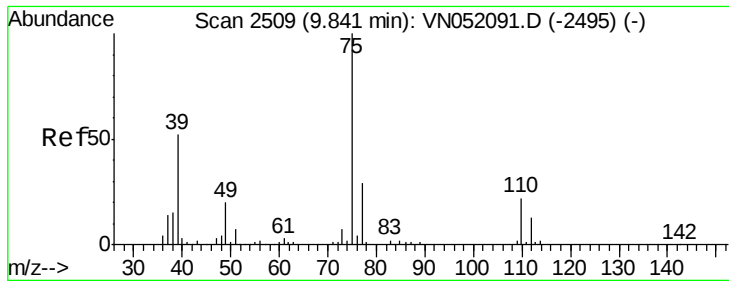
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#48
t-1,3-Dichloropropene
Concen: 4.795 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion: 75 Resp: 22400
Ion Ratio Lower Upper
75 100
77 34.6 26.3 39.5





#49

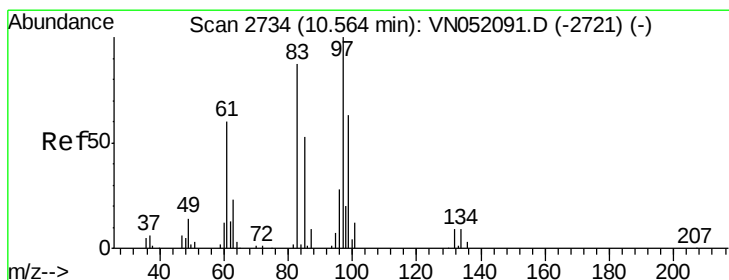
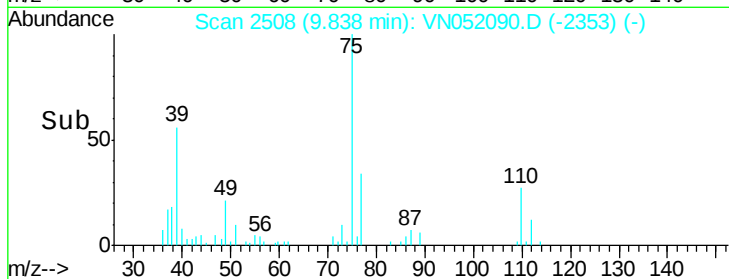
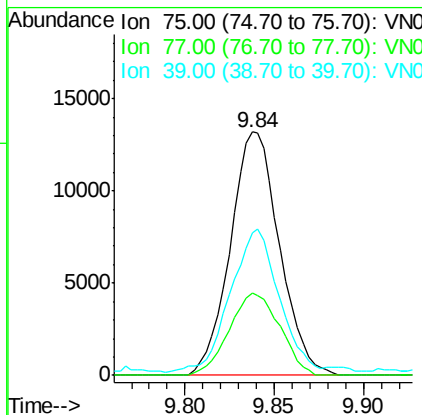
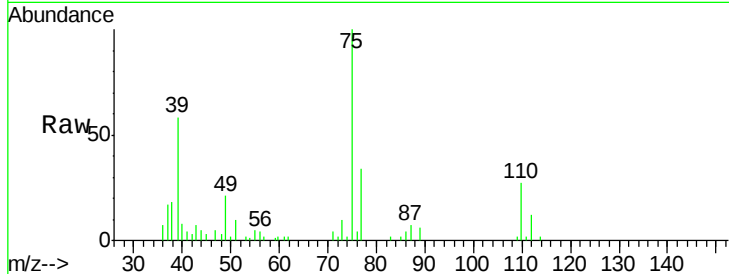
cis-1,3-Dichloropropene
Concen: 4.704 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	23.3	34.9
39	55.2	41.6	62.4

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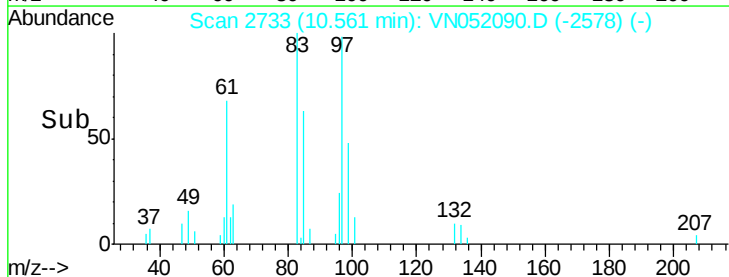
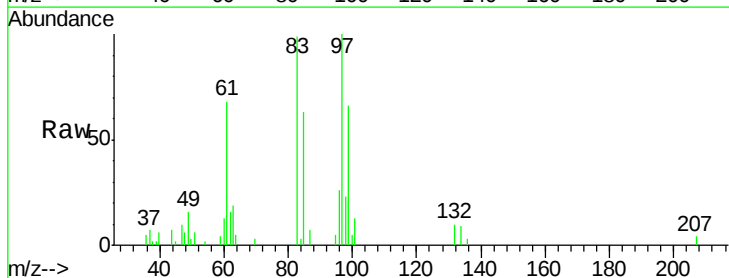
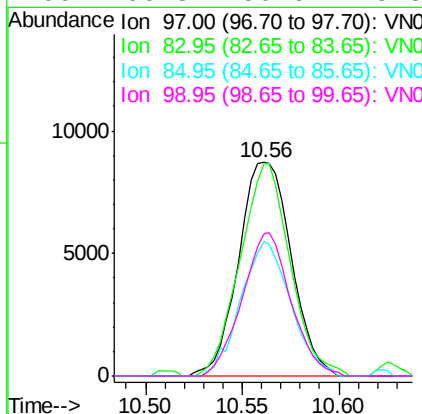
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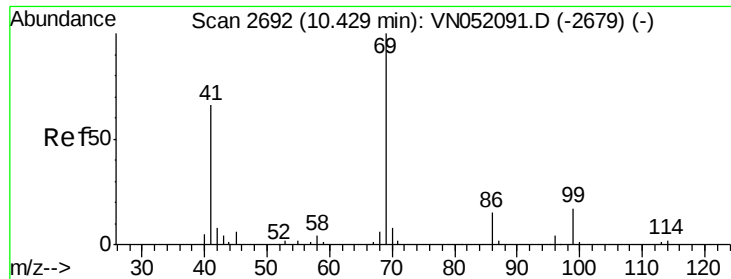


#50

1,1,2-Trichloroethane
Concen: 5.406 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	99.4	69.4	104.0
85	62.9	42.7	64.1
99	66.3	50.6	75.8





#51

Ethyl methacrylate

Concen: 5.058 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 69 Resp: 19876

Ion Ratio Lower Upper

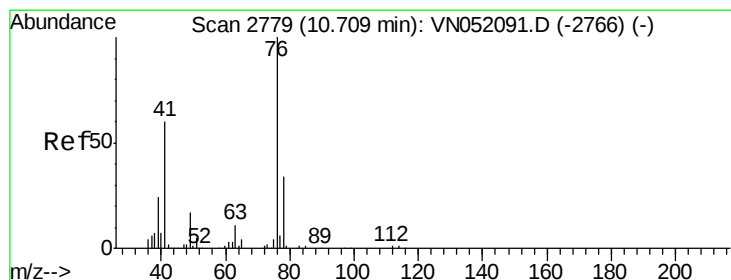
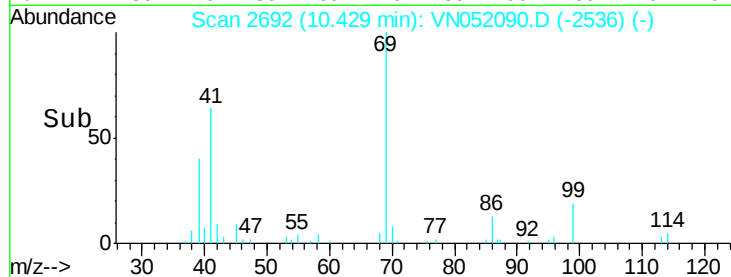
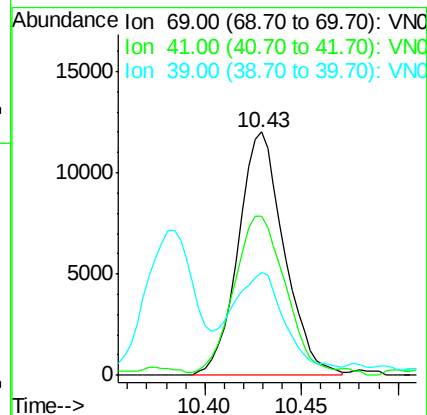
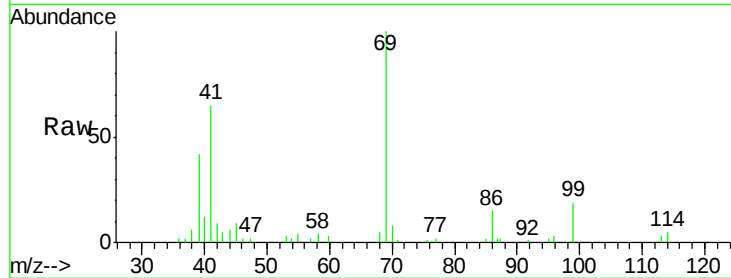
69 100

41 63.9 33.0 99.0

39 38.9 20.7 62.1

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#52

1,3-Dichloropropane

Concen: 5.480 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052090.D

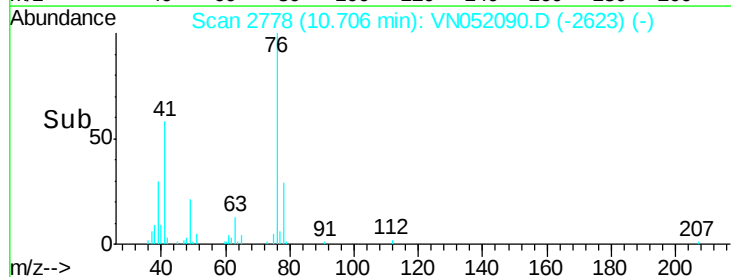
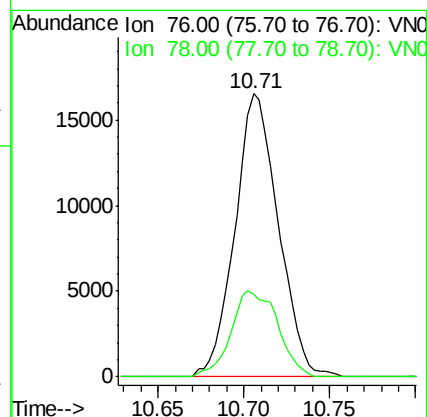
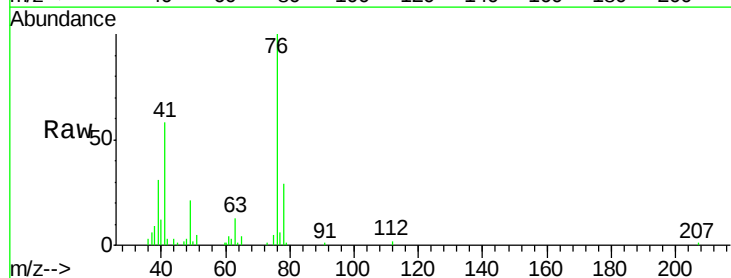
Acq: 1 Nov 2018 8:22

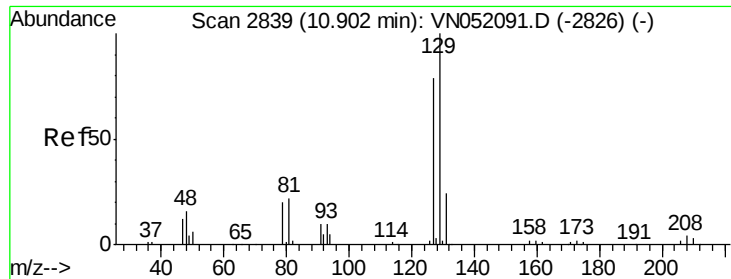
Tgt Ion: 76 Resp: 29026

Ion Ratio Lower Upper

76 100

78 23.0 0.0 65.0





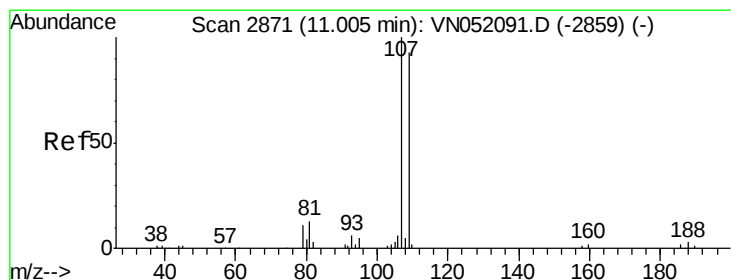
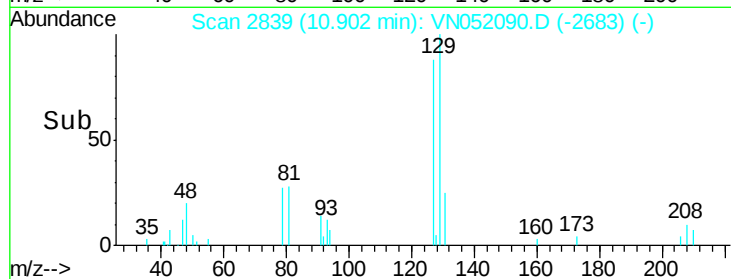
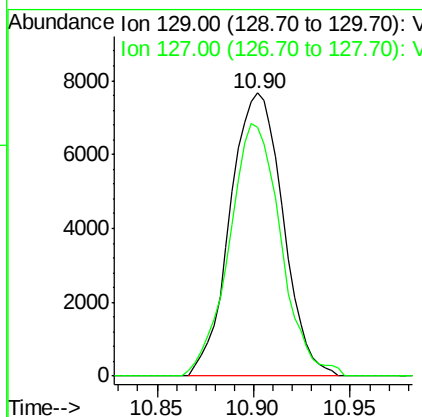
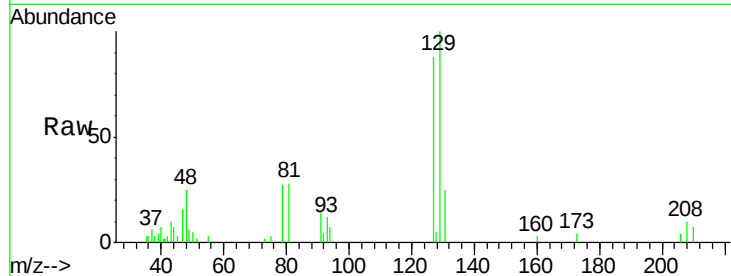
#53
 Dibromochloromethane
 Concen: 4.439 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:129 Resp: 14573
 Ion Ratio Lower Upper
 129 100
 127 87.4 39.2 117.6

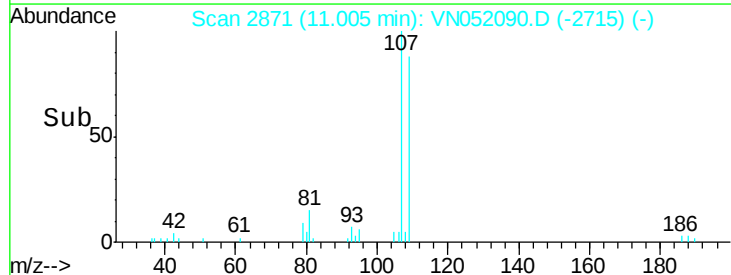
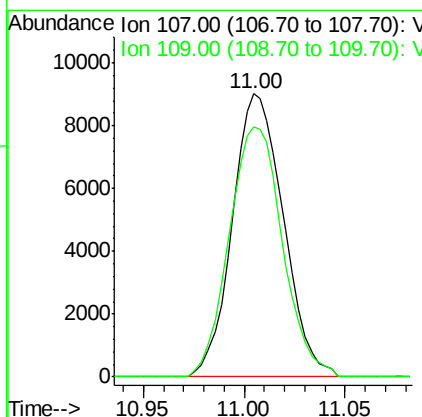
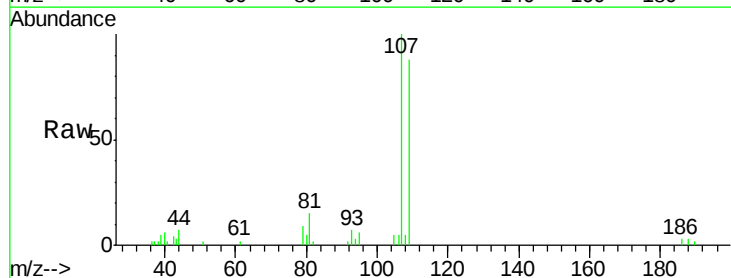
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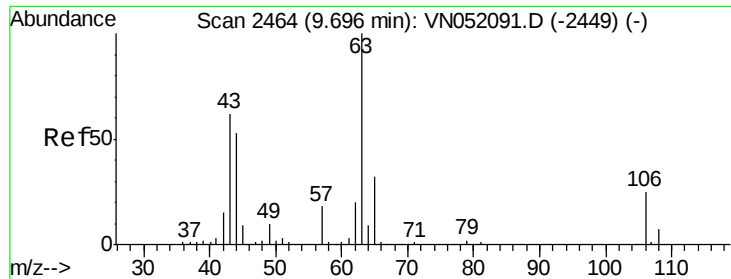
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#54
 1,2-Dibromoethane
 Concen: 5.168 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion:107 Resp: 15935
 Ion Ratio Lower Upper
 107 100
 109 92.2 77.0 115.6





#55

2-Chloroethyl vinyl ether

Concen: 24.536 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

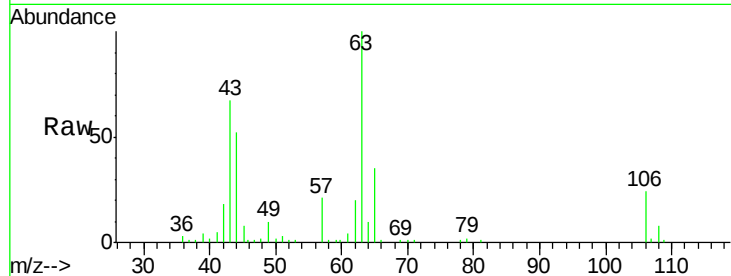
ClientSampleId :

VSTDIC005

Tgt Ion:	63	Resp:	52802
Ion Ratio	Lower	Upper	
63	100		
65	32.5	25.5	38.3
106	25.0	20.4	30.6

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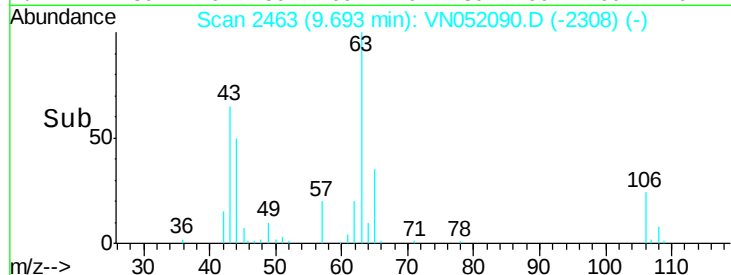


Abundance Ion 63.00 (62.70 to 63.70): VN052091.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN052091.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052091.D (-2449) (-)

Time-->



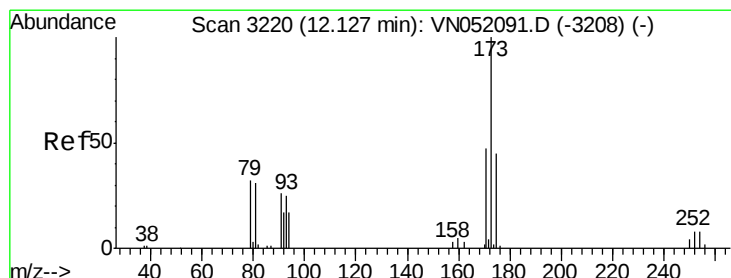
Abundance

Ion 63.00 (62.70 to 63.70): VN052091.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN052091.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052091.D (-2449) (-)

Time-->



#56

Bromoform

Concen: 4.394 ug/l

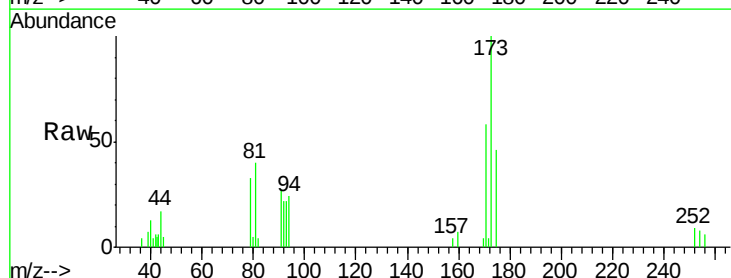
RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Tgt Ion:	173	Resp:	8332
Ion Ratio	Lower	Upper	
173	100		
175	45.1	37.3	55.9
254	5.6	7.0	10.6#

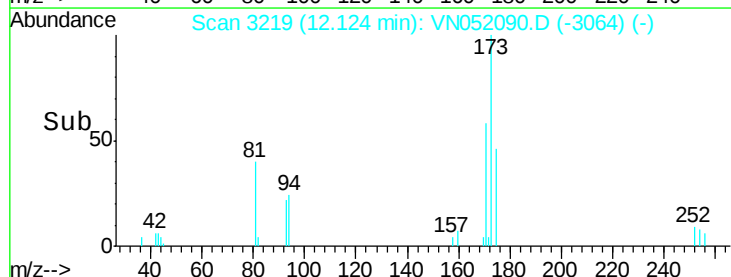


Abundance Ion 173.00 (172.70 to 173.70): VN052091.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN052091.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN052091.D (-3208) (-)

Time-->



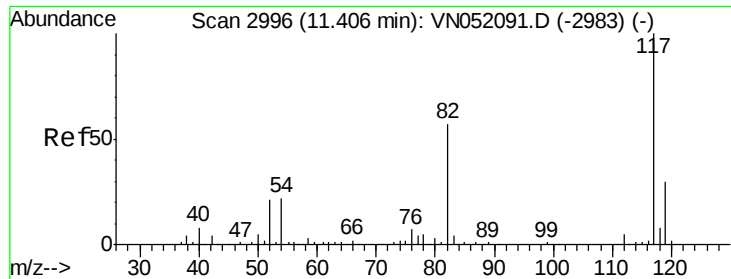
Abundance

Ion 173.00 (172.70 to 173.70): VN052091.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN052091.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN052091.D (-3208) (-)

Time-->



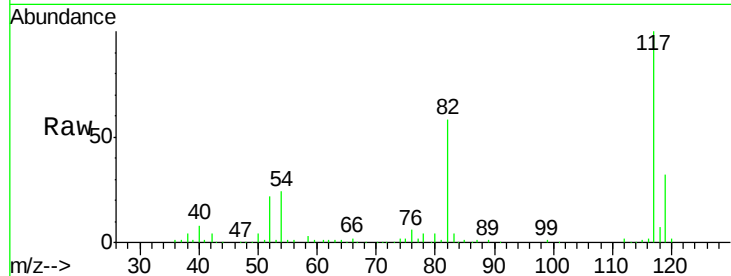
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

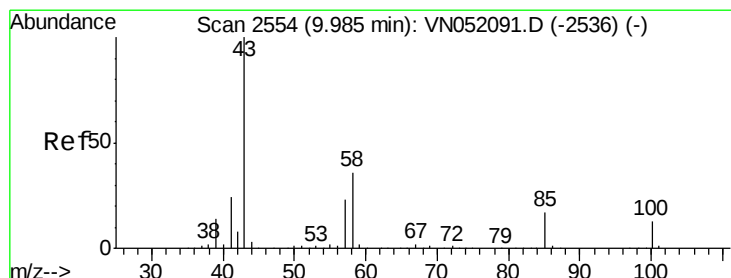
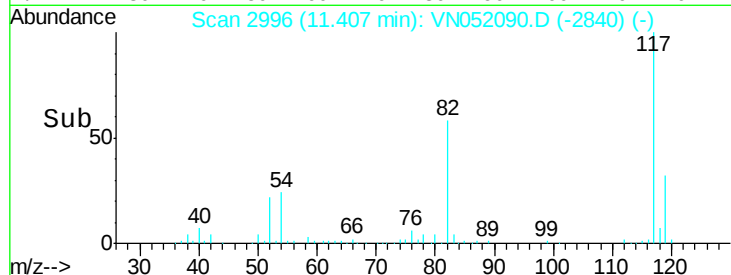
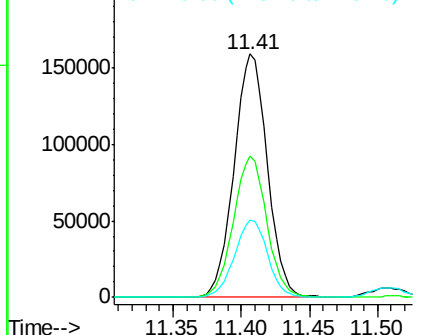
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	269122		
82	58.2	45.0	67.6	
119	31.4	24.2	36.4	

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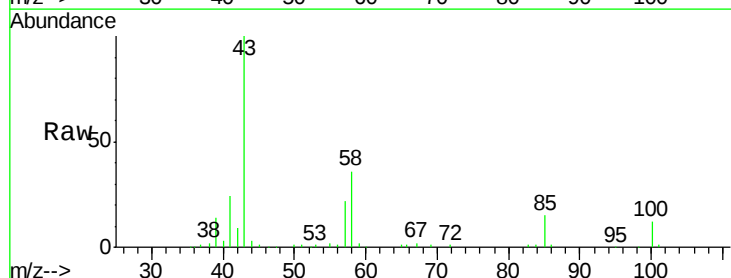


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

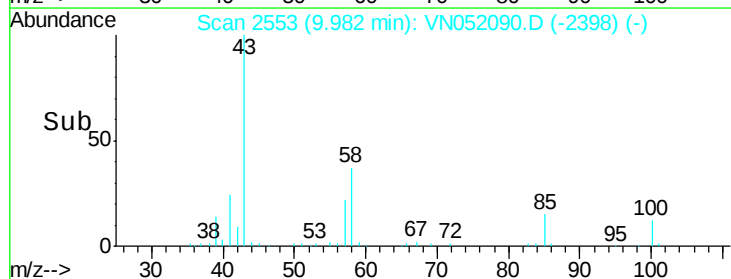
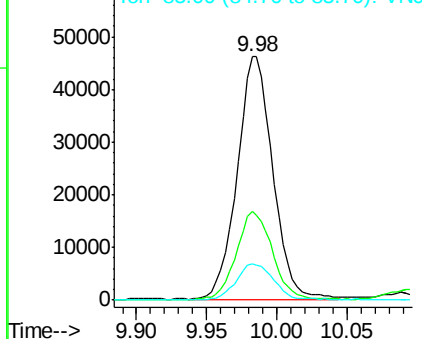


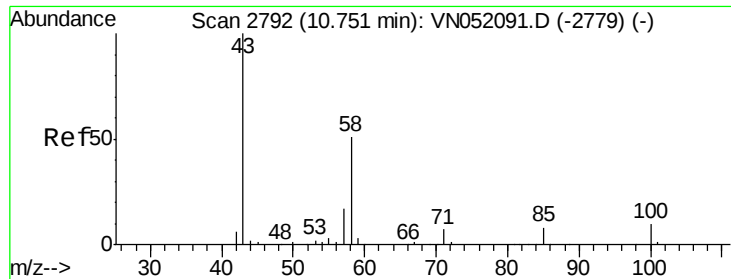
#58
4-Methyl-2-Pentanone
Concen: 28.295 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	81596		
58	37.1	29.0	43.6	
85	15.8	13.4	20.2	



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





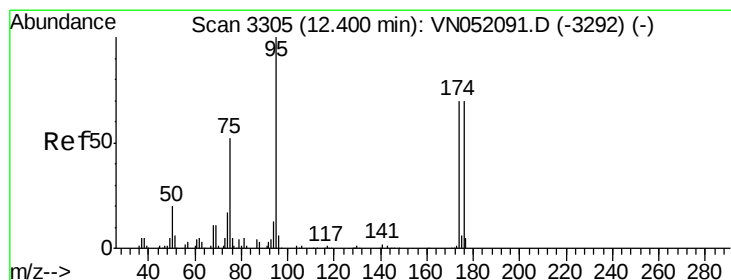
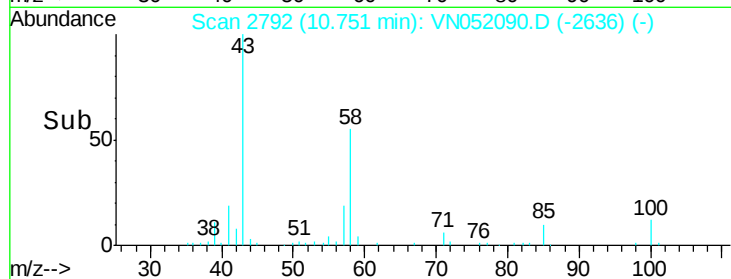
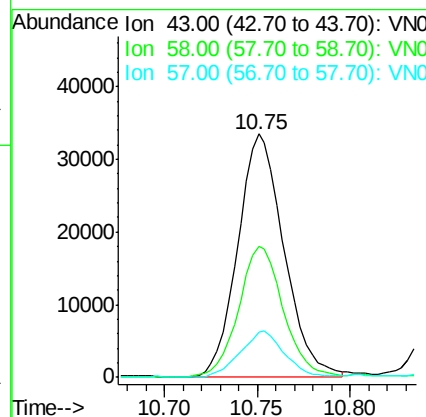
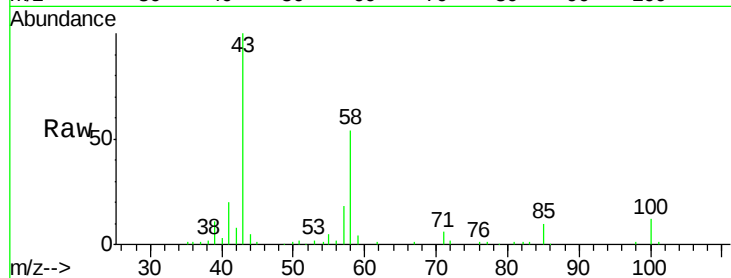
#59
2-Hexanone
Concen: 29.197 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.2	40.8	61.2
57	18.2	13.8	20.8

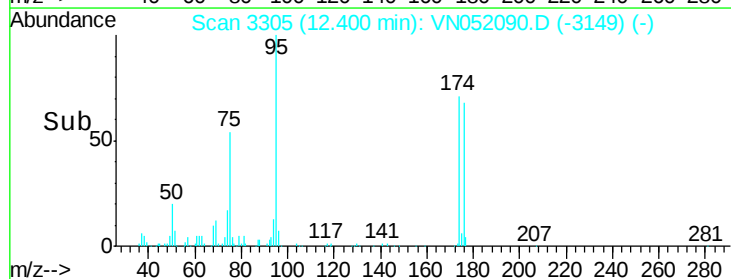
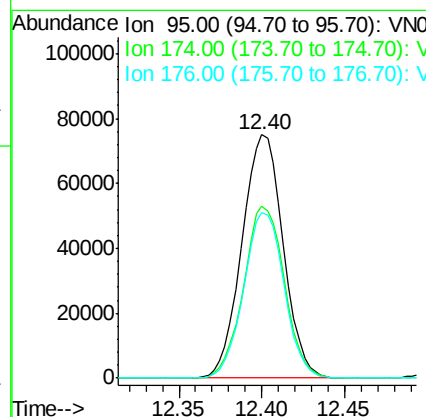
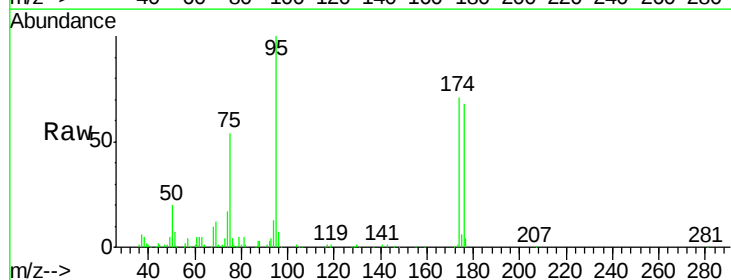
Manual Integrations
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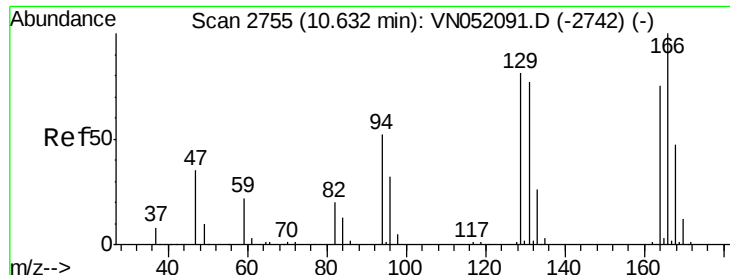
MMDadoda
11/2/2018 9:20:56 AM



#60
4-Bromofluorobenzene
Concen: 29.197 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	55.0	82.6
176	66.6	54.2	81.4





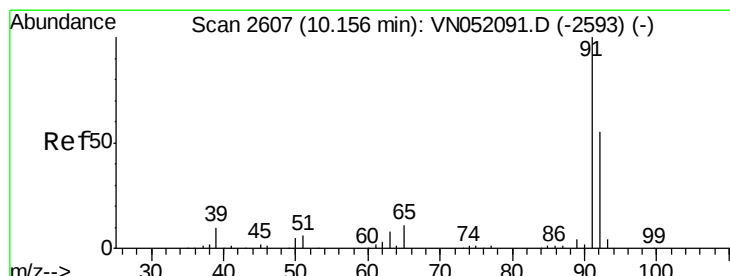
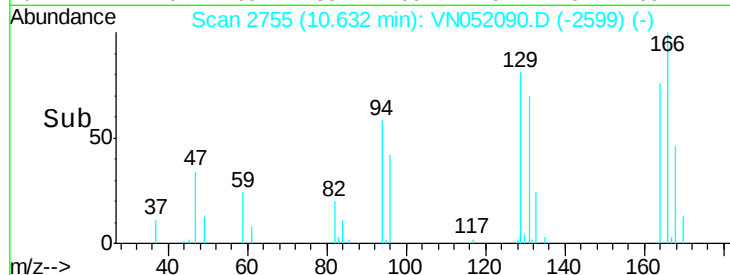
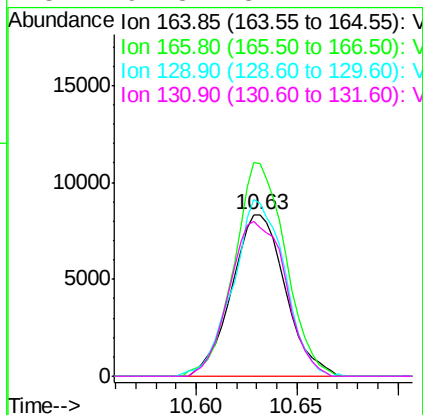
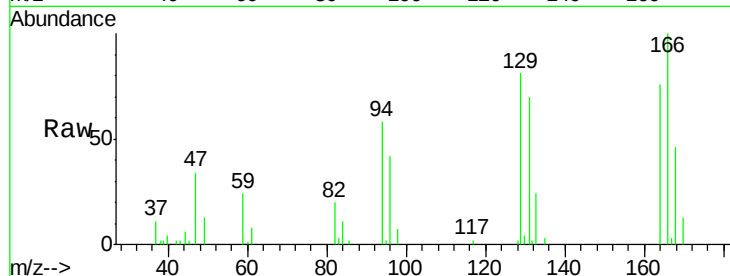
#61
Tetrachloroethene
Concen: 5.283 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	106.4	159.6
129	105.1	87.0	130.4
131	91.8	81.4	122.2

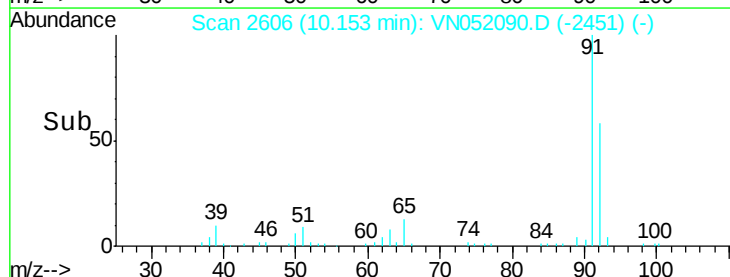
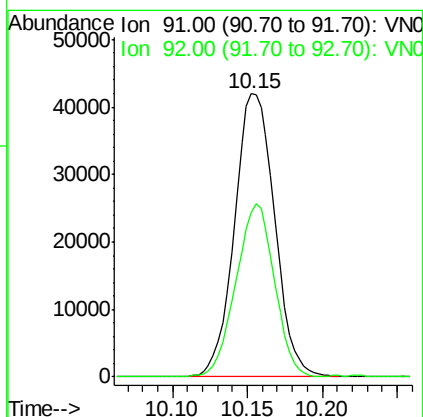
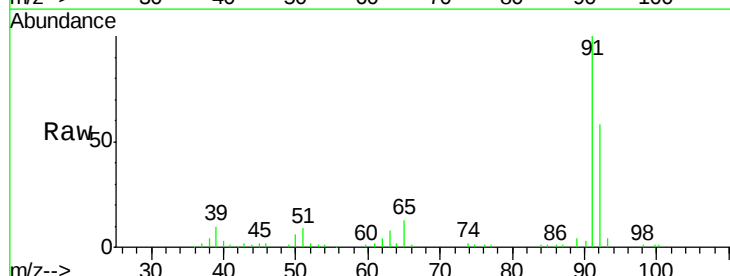
Manual Integrations
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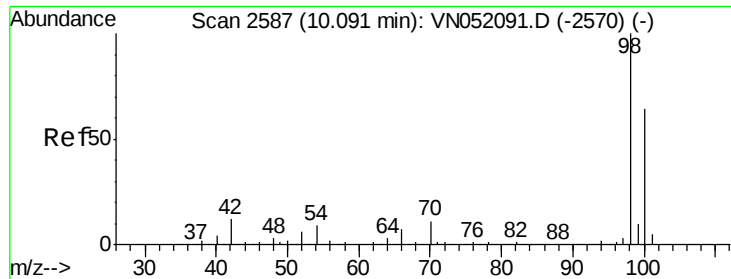
MMDadoda
11/2/2018 9:20:56 AM



#62
Toluene
Concen: 5.191 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.6	44.6	67.0





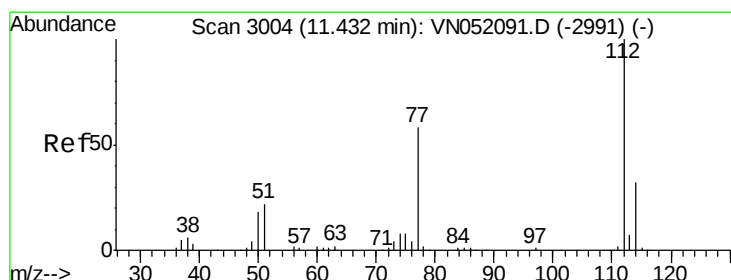
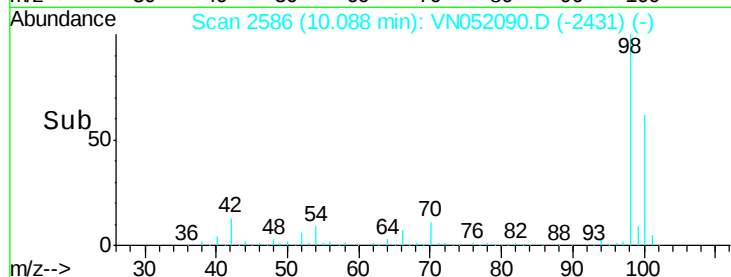
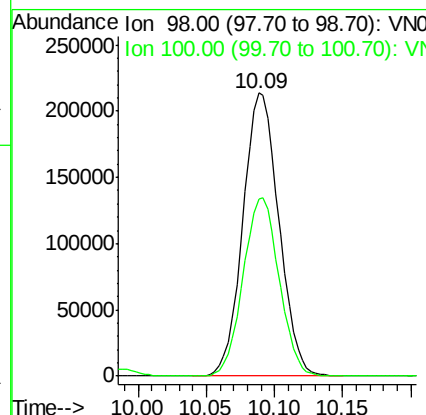
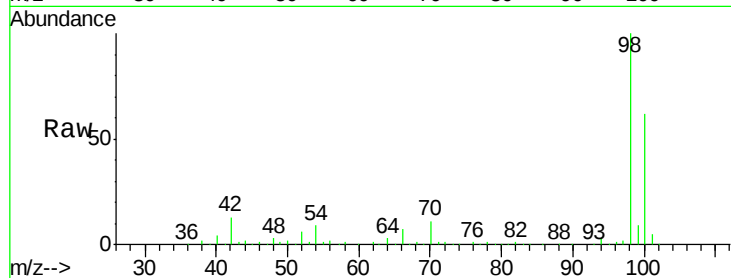
#63
Toluene-d8
Concen: 5.191 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 98 Resp: 391080
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1

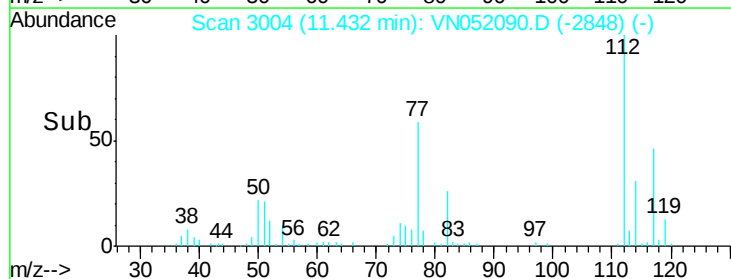
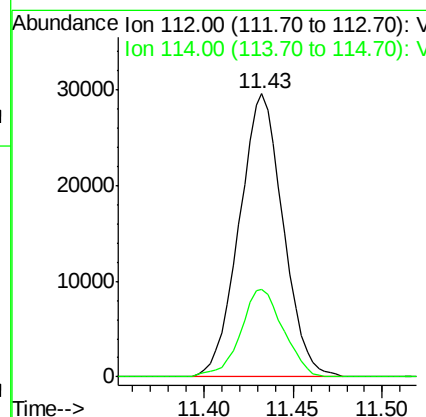
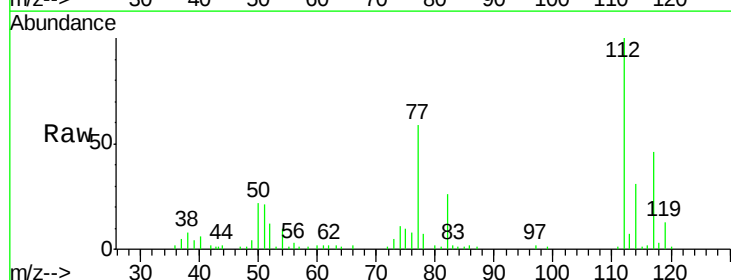
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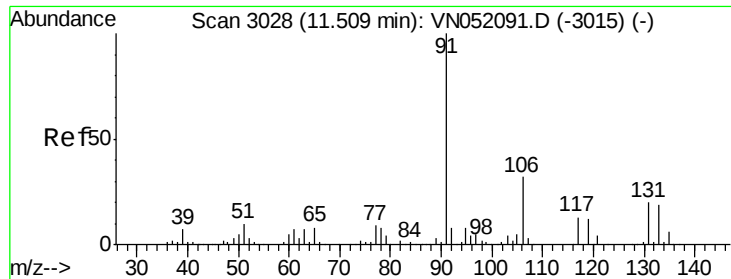
MMDadoda
11/2/2018 9:20:56 AM



#64
Chlorobenzene
Concen: 5.310 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion: 112 Resp: 50845
Ion Ratio Lower Upper
112 100
114 31.0 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 4.916 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

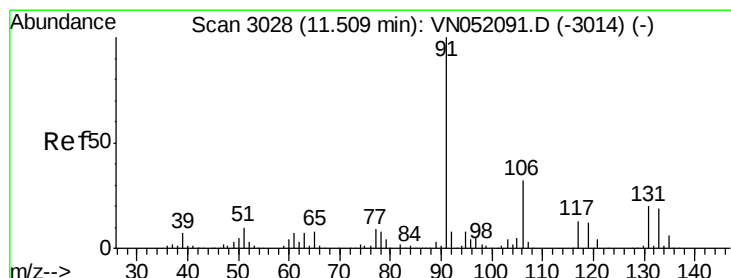
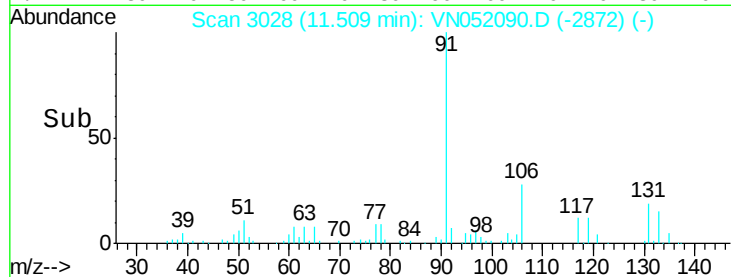
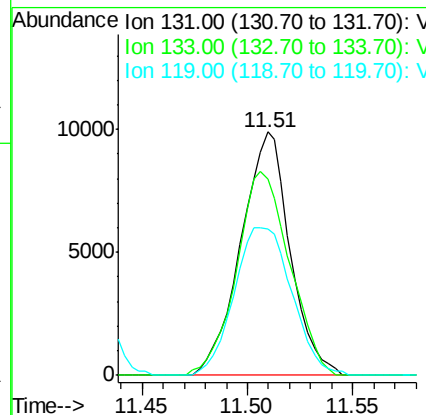
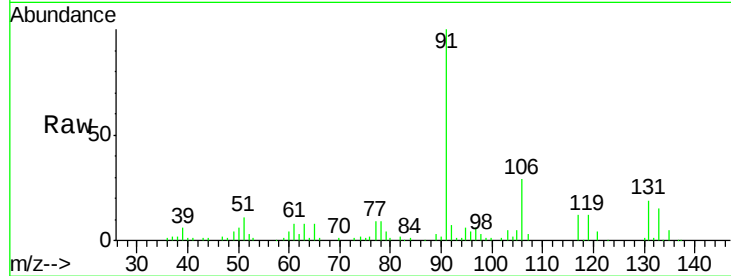
ClientSampled :

VSTDIC005

Tgt Ion: 131 Resp: 16022
 Ion Ratio Lower Upper
 131 100
 133 90.5 0.0 188.8
 119 71.3 0.0 131.4

Manual Integrations
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#66

Ethyl Benzene

Concen: 5.144 ug/l

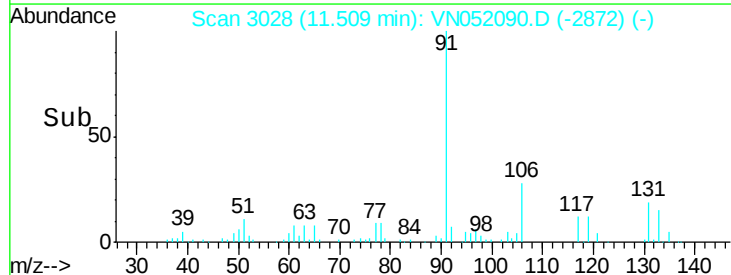
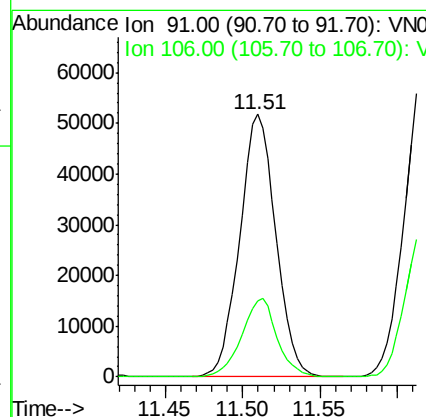
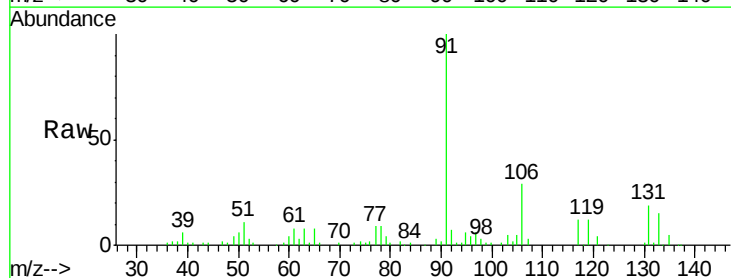
RT: 11.51 min Scan# 3028

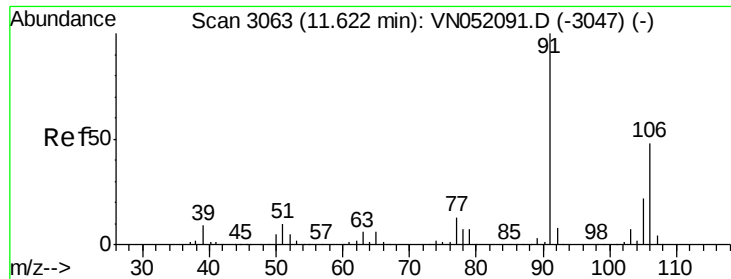
Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Tgt Ion: 91 Resp: 83945
 Ion Ratio Lower Upper
 91 100
 106 29.0 25.7 38.5





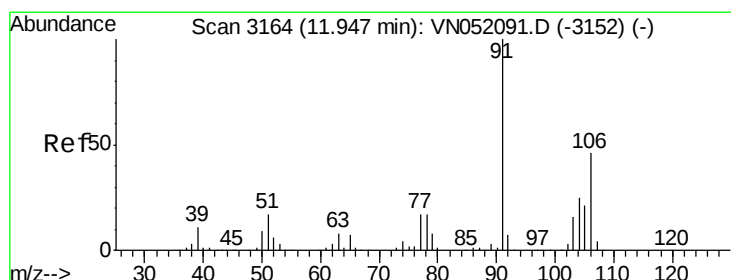
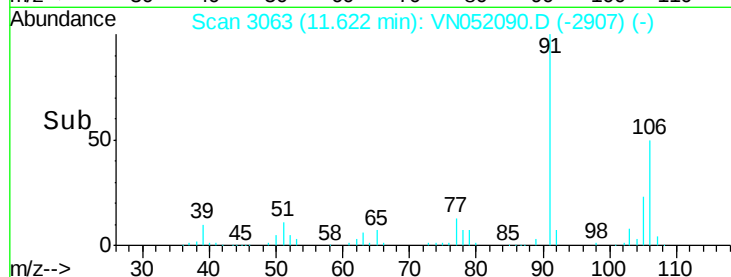
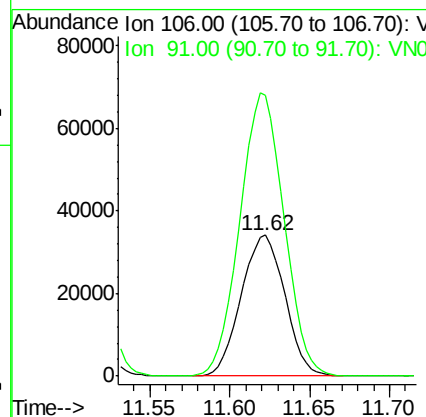
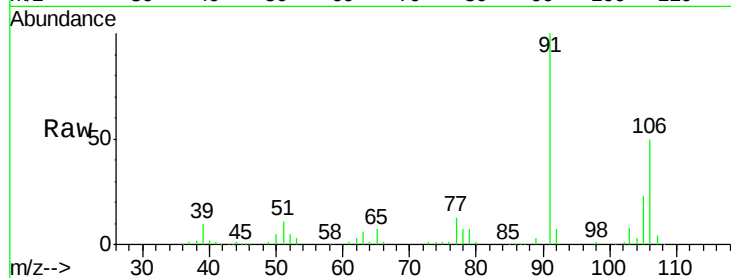
#67
m/p-Xylenes
Concen: 10.183 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 63975
Ion Ratio Lower Upper
106 100
91 202.2 163.6 245.4

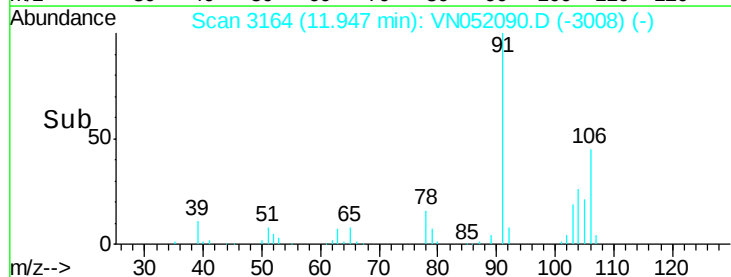
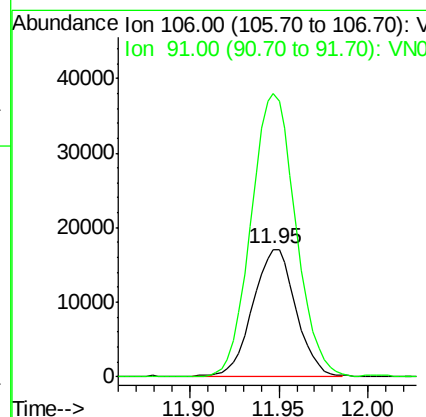
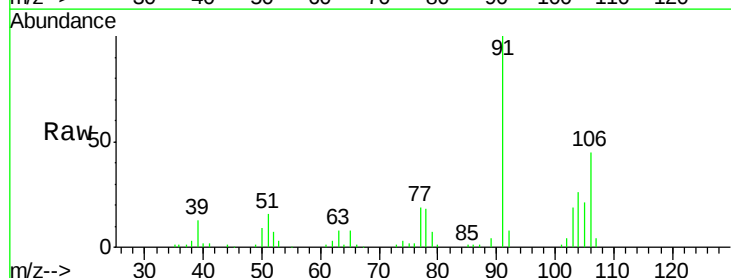
Manual Integrations
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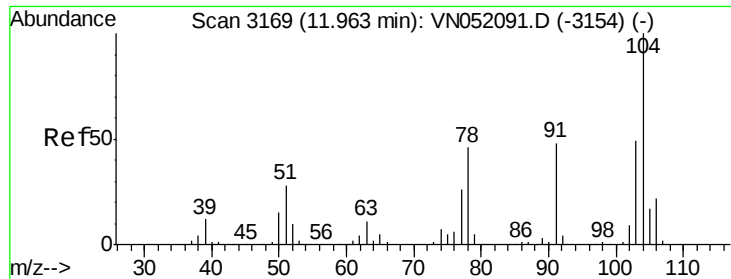
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#68
o-Xylene
Concen: 4.844 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion:106 Resp: 29015
Ion Ratio Lower Upper
106 100
91 228.3 110.0 330.0





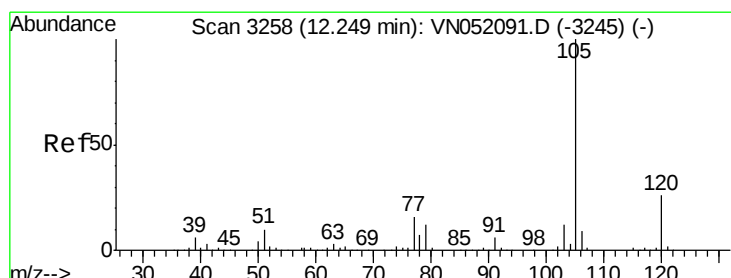
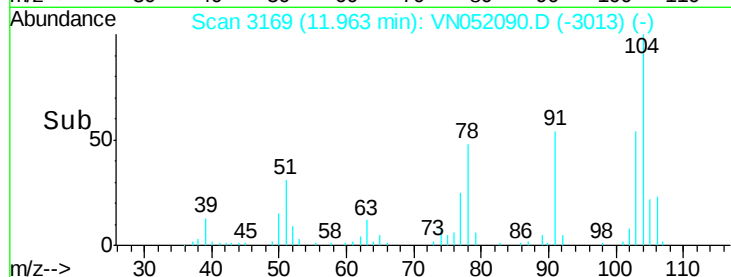
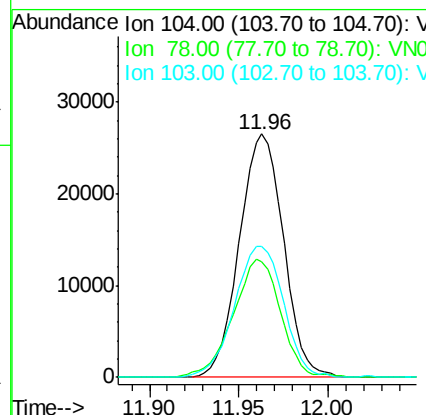
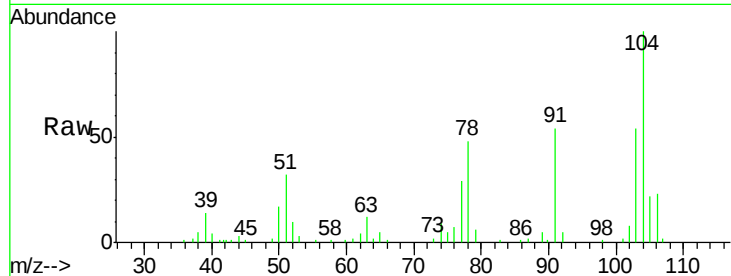
#69
Styrene
Concen: 4.754 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	45889		
78	51.8	41.3	61.9	
103	59.7	43.3	64.9	

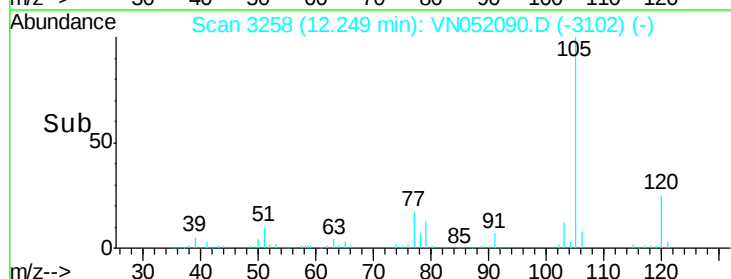
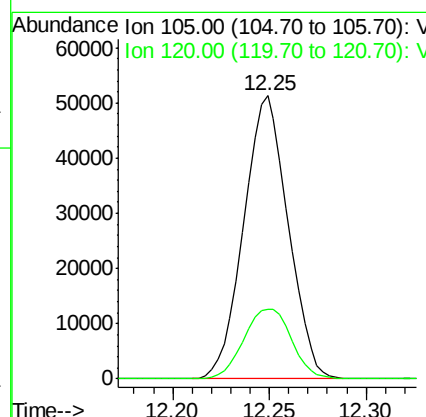
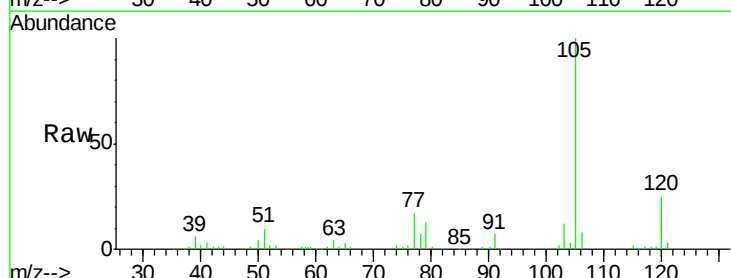
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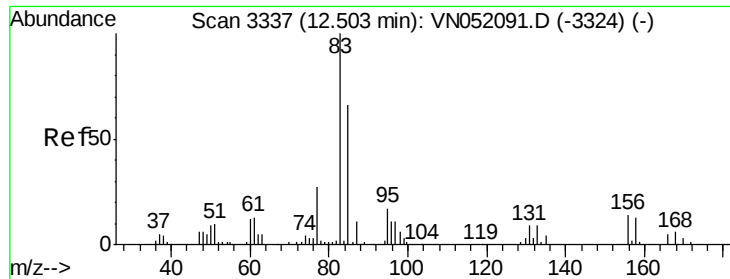
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#70
Isopropylbenzene
Concen: 5.099 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	81983		
120	26.4	18.4	34.2	





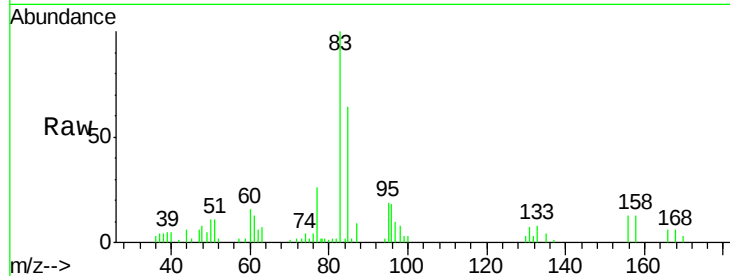
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.701 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

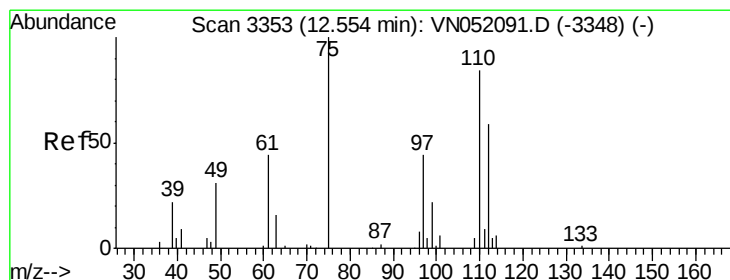
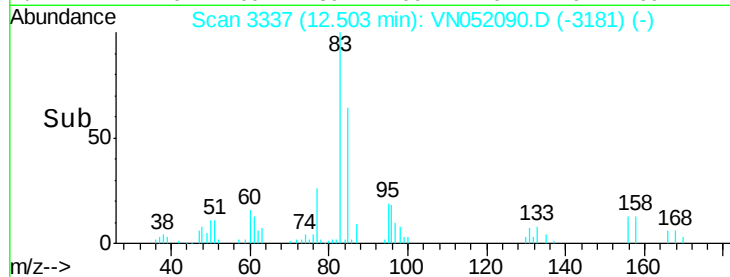
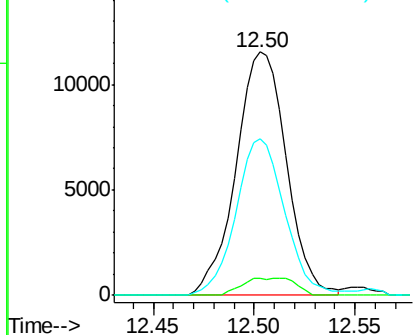
Tgt Ion: 83 Resp: 20162
 Ion Ratio Lower Upper
 83 100
 131 3.8 4.8 14.3#
 85 62.1 32.7 98.1

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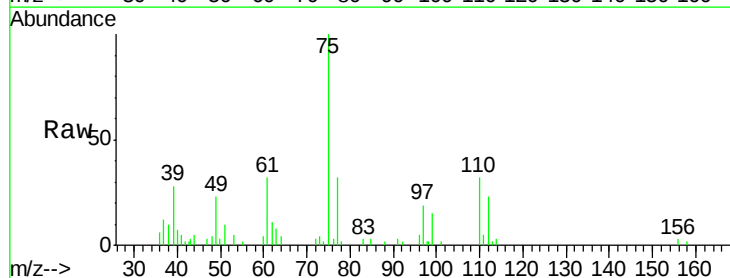


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): VN
 Ion 85.00 (84.70 to 85.70): VN

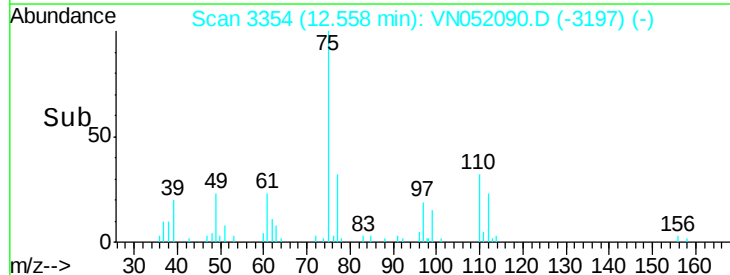
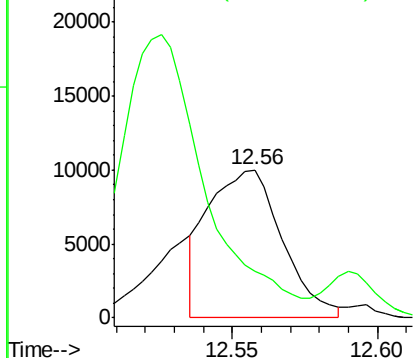


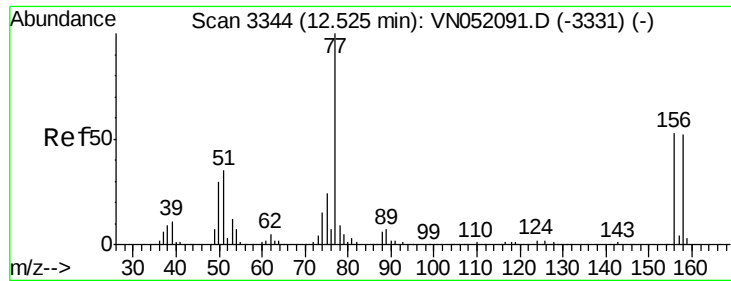
#72
 1,2,3-Trichloropropane
 Concen: 6.061 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion: 75 Resp: 17825
 Ion Ratio Lower Upper
 75 100
 77 219.2 0.0 481.8



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN





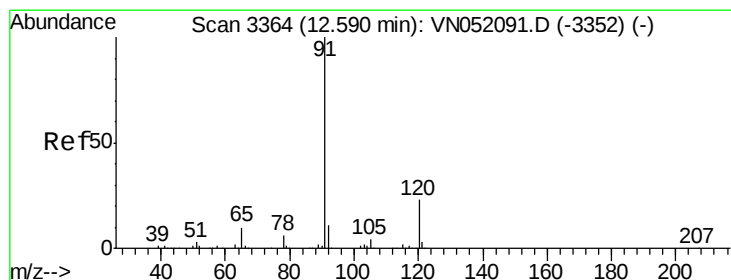
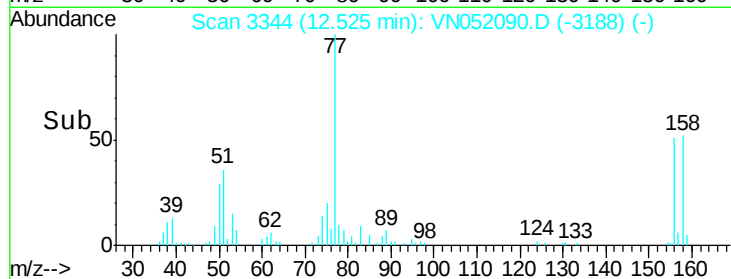
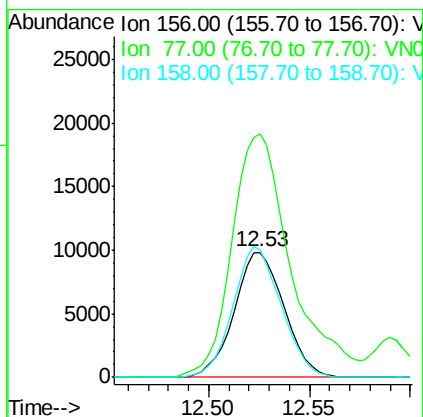
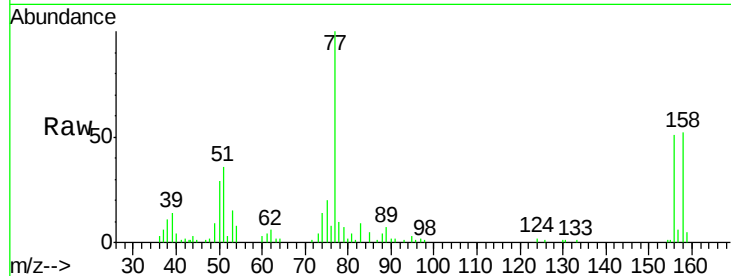
#73
Bromobenzene
Concen: 4.756 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	230.5	0.0	428.0
158	101.4	0.0	196.8

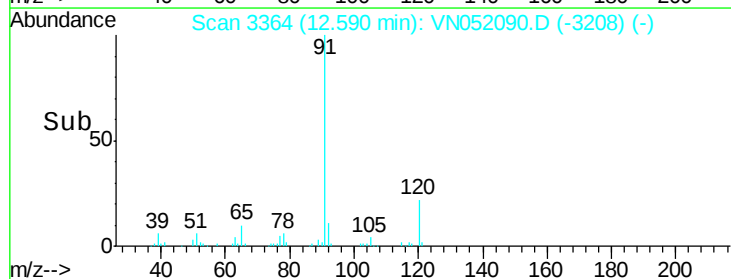
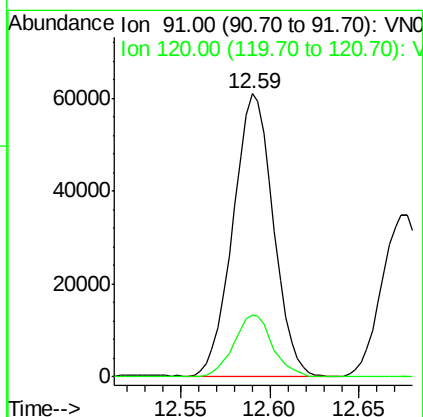
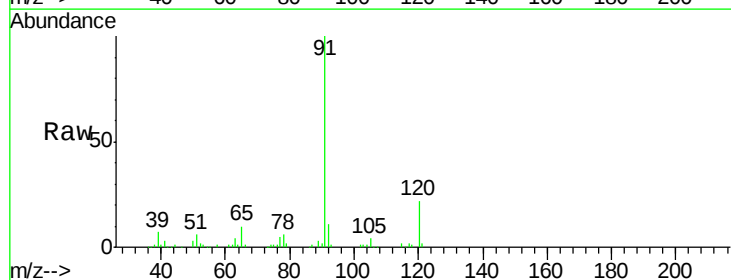
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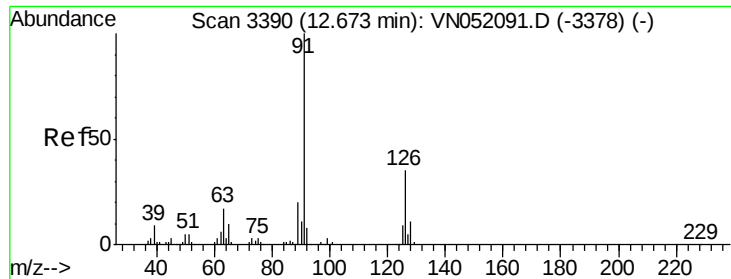
MMDadoda
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#74
n-propylbenzene
Concen: 5.154 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	0.0	44.8





#75

2-Chlorotoluene

Concen: 5.359 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 57848

Ion Ratio Lower Upper

91 100

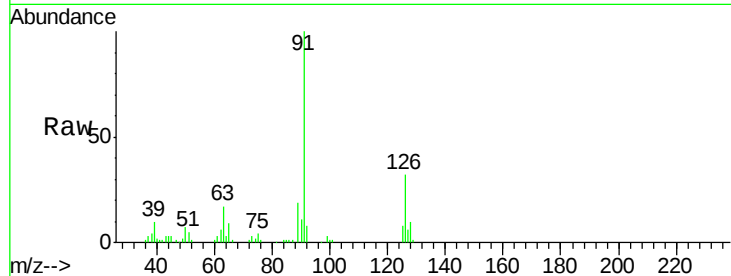
126 30.7 0.0 68.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3378) (-)

12.67

30000

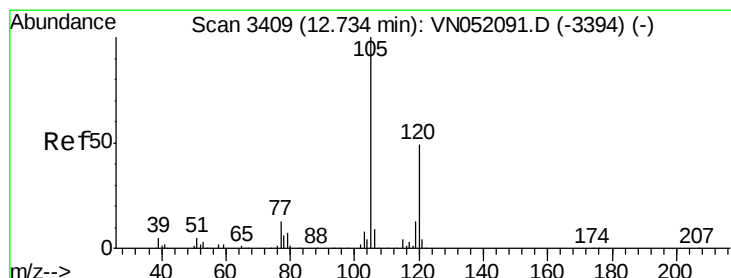
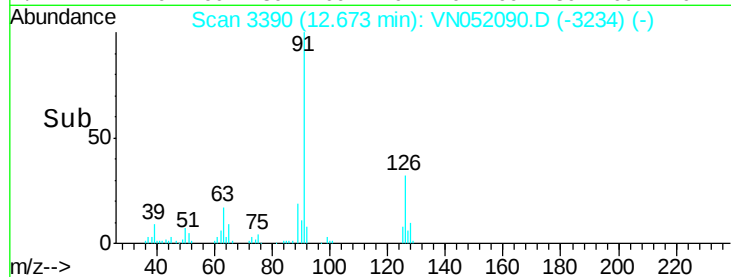
20000

10000

0

12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 5.066 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052090.D

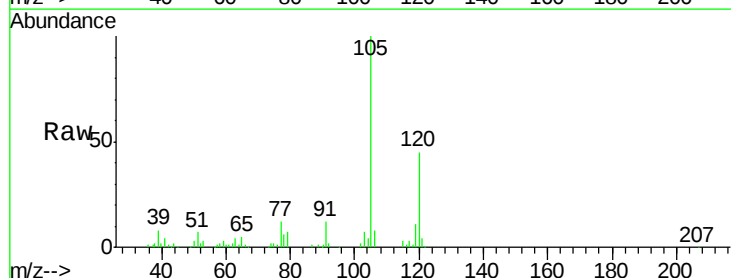
Acq: 1 Nov 2018 8:22

Tgt Ion: 105 Resp: 65323

Ion Ratio Lower Upper

105 100

120 47.2 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052091.D (-3394) (-)

12.73

40000

30000

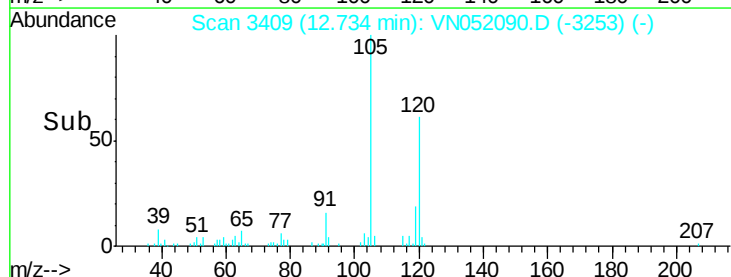
20000

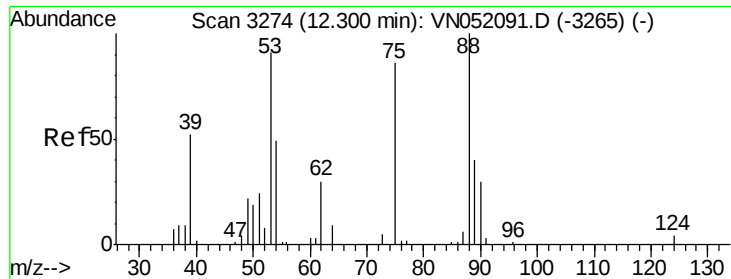
10000

0

12.70 12.75

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 4.582 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

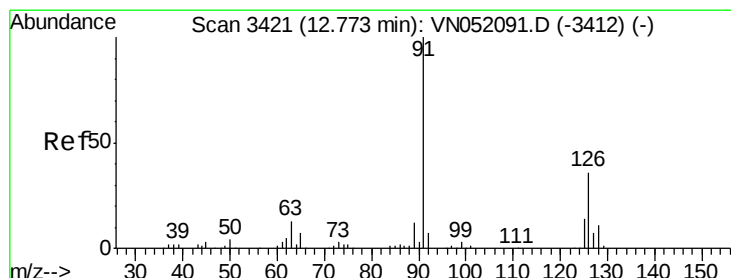
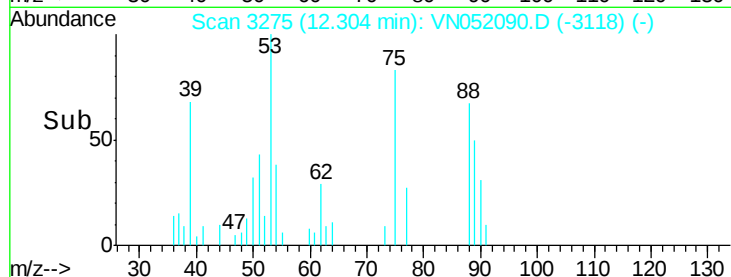
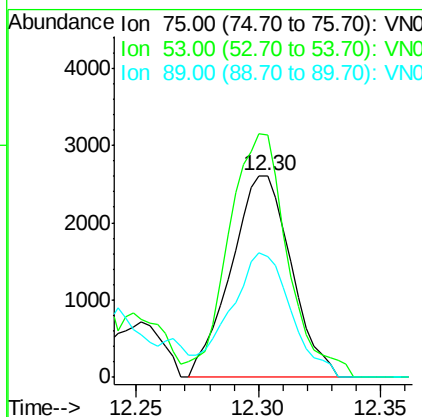
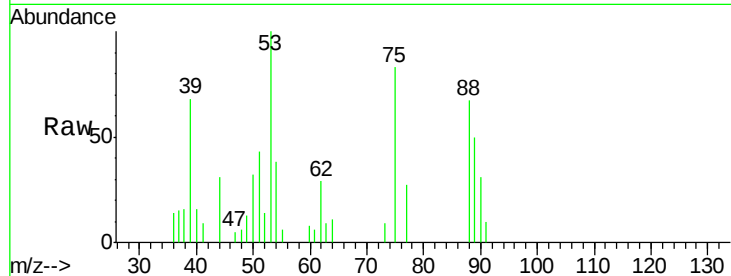
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
75	100		
53	112.9	50.7	152.1
89	60.1	23.8	71.5

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#78

4-Chlorotoluene

Concen: 4.993 ug/l

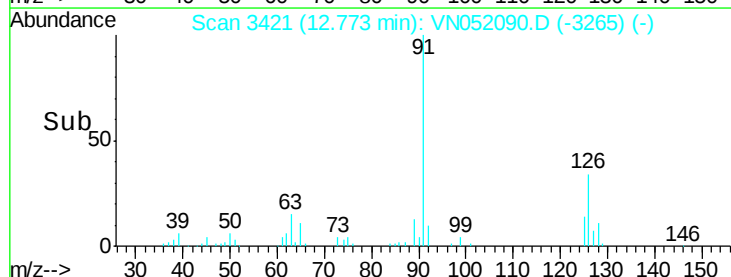
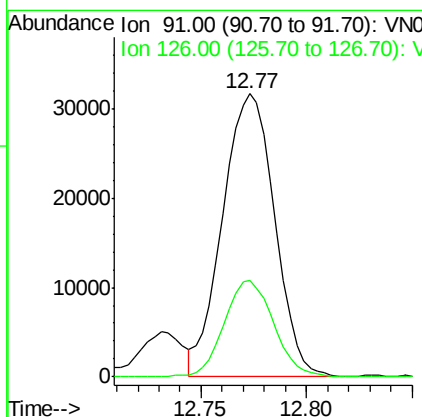
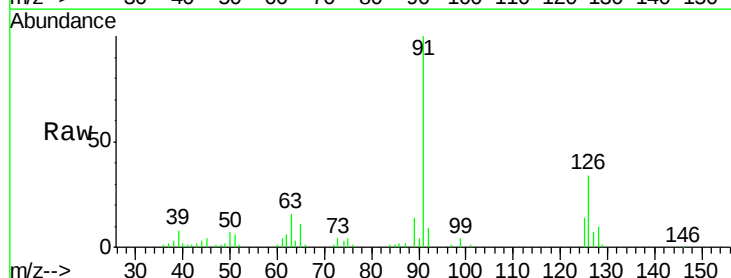
RT: 12.77 min Scan# 3421

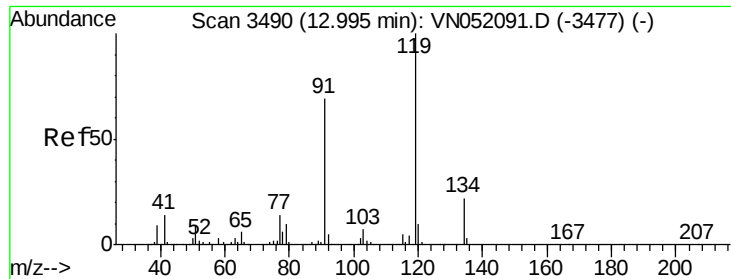
Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	0.0	68.0





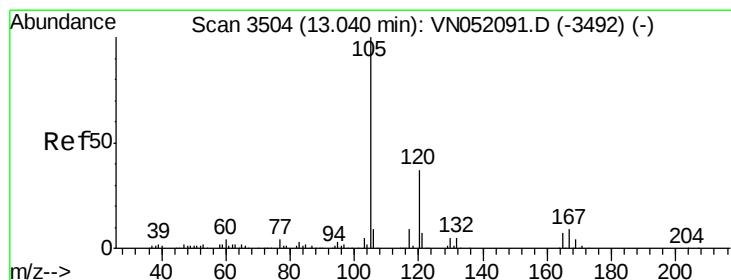
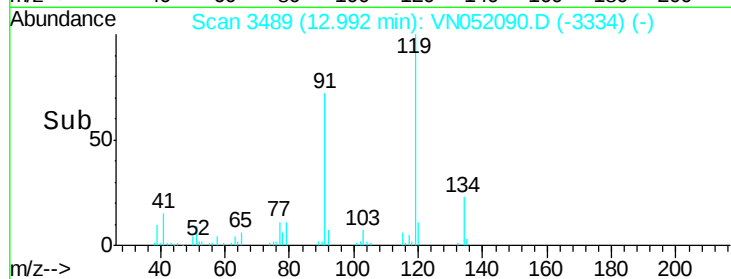
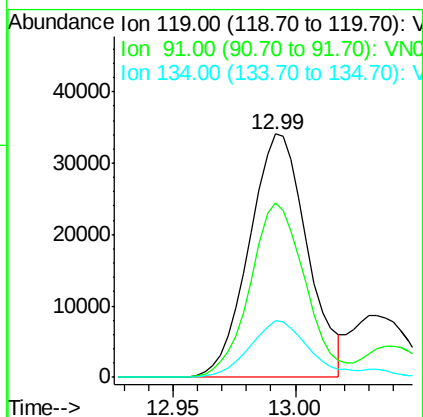
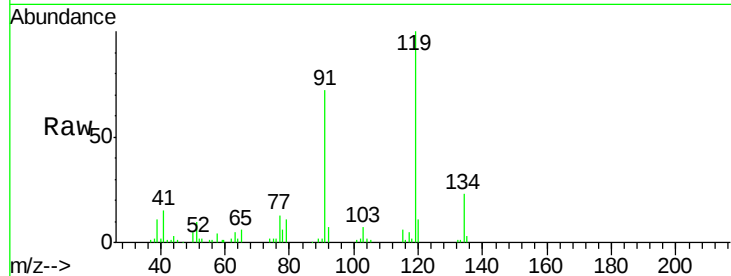
#79
tert-butylbenzene
Concen: 5.004 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	56207		
91	67.8		0.0	131.2
134	23.5		0.0	45.8

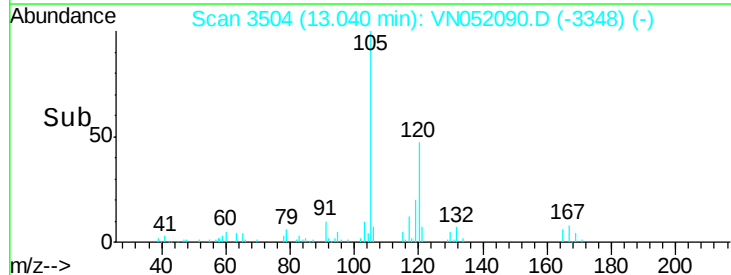
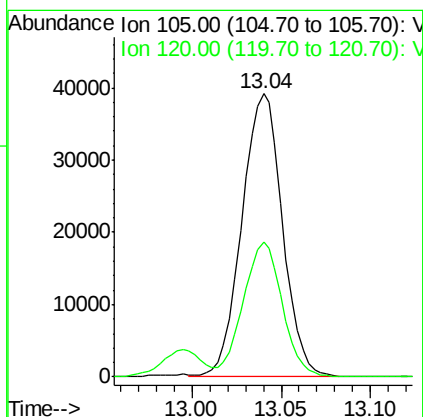
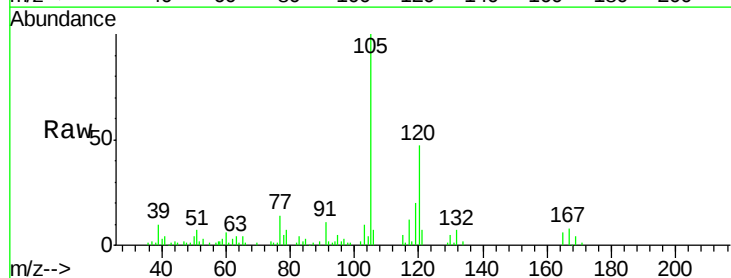
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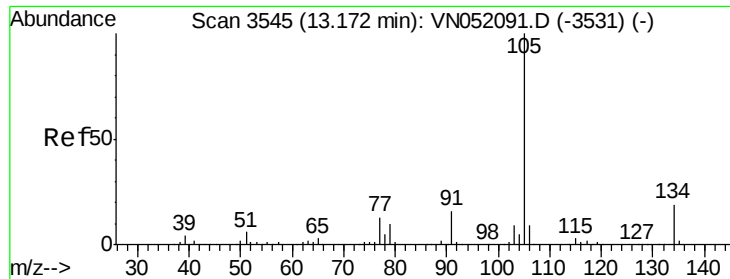
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#80
1,2,4-Trimethylbenzene
Concen: 4.857 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	62388		
120	46.0		0.0	89.4





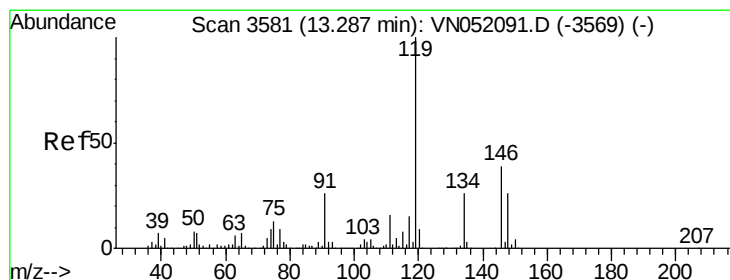
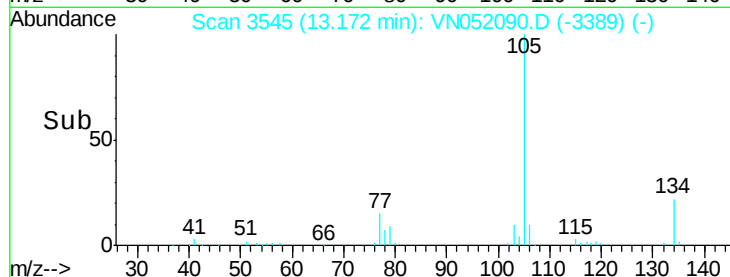
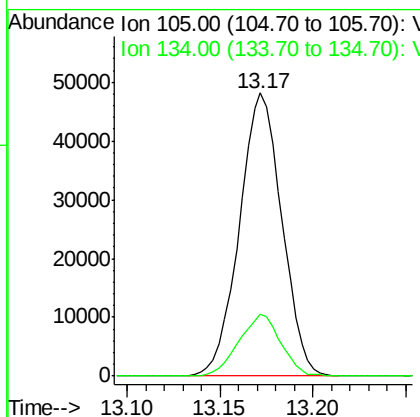
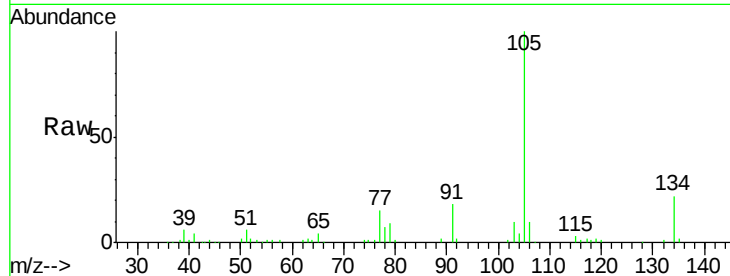
#81
 sec-Butylbenzene
 Concen: 4.944 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.6	0.0	38.6

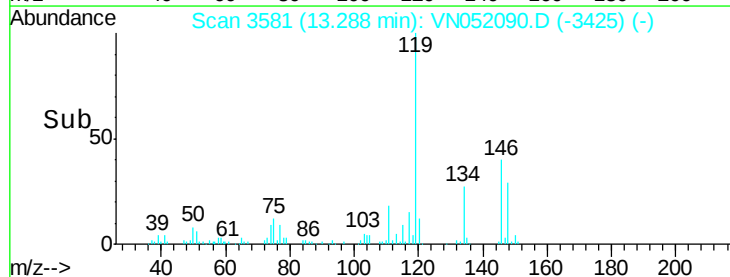
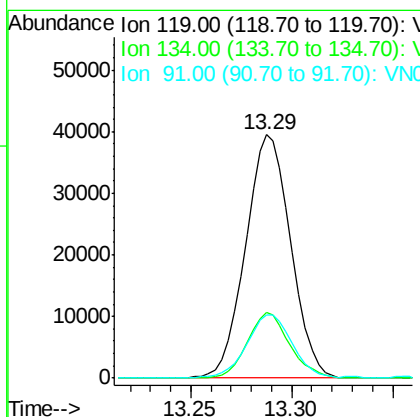
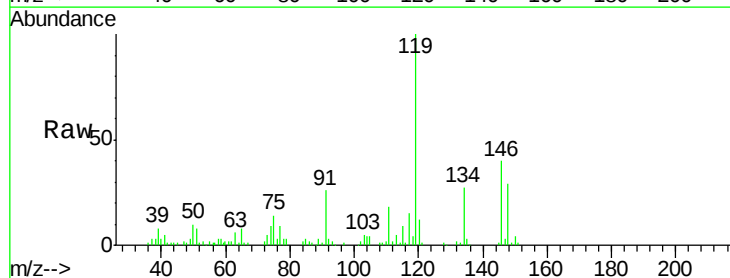
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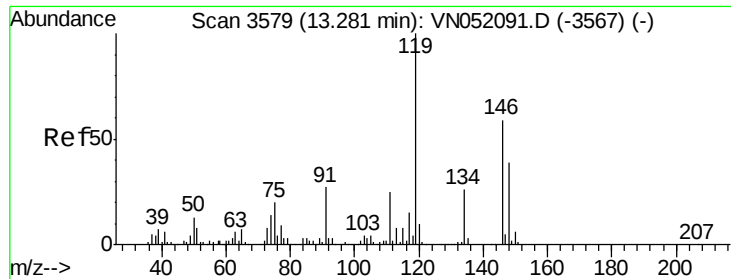
MMDadoda
 11/2/2018 9:20:56 AM



#82
 p-Isopropyltoluene
 Concen: 4.731 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	0.0	52.0
91	26.1	0.0	50.8





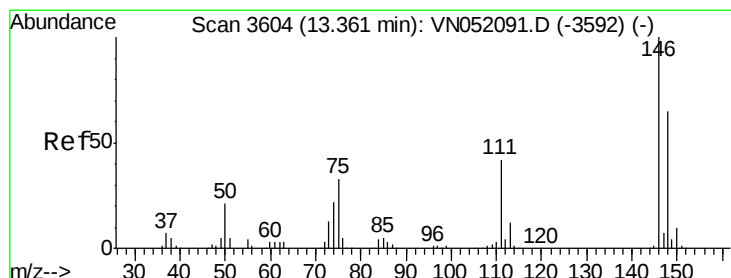
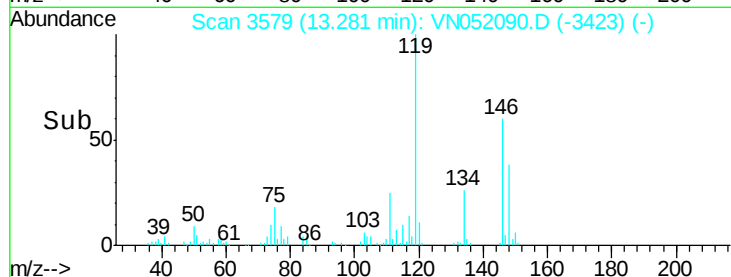
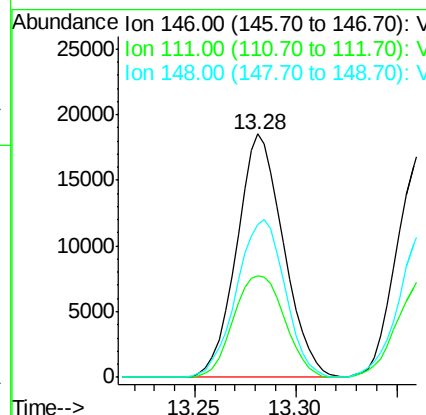
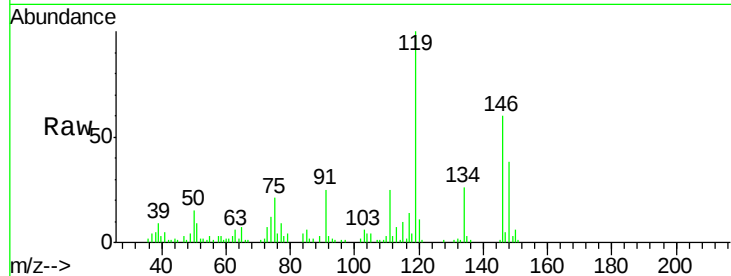
#83
 1,3-Dichlorobenzene
 Concen: 4.777 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.6	21.0	63.0
148	67.0	33.4	100.2

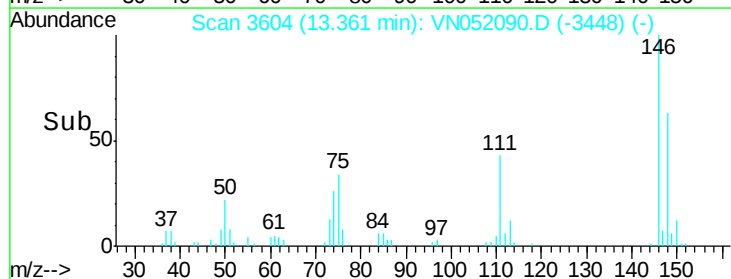
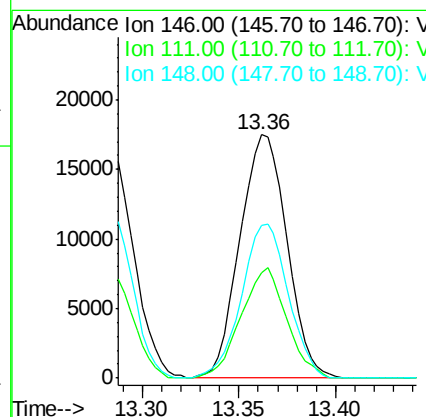
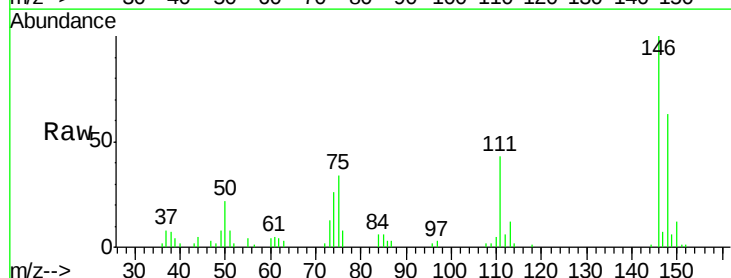
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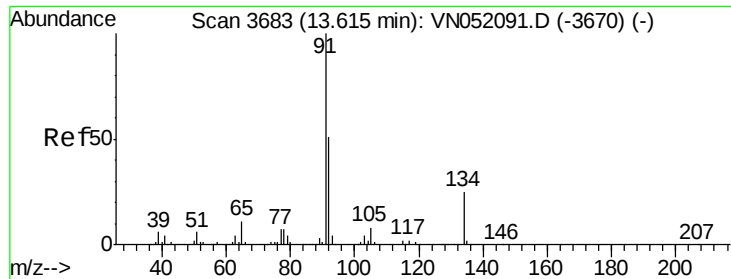
MMDadoda
 11/2/2018 9:20:56 AM



#84
 1,4-Dichlorobenzene
 Concen: 4.749 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.4	64.2
148	63.0	32.6	98.0





#85

n-Butylbenzene

Concen: 4.749 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Instrument :

MSVOA_N

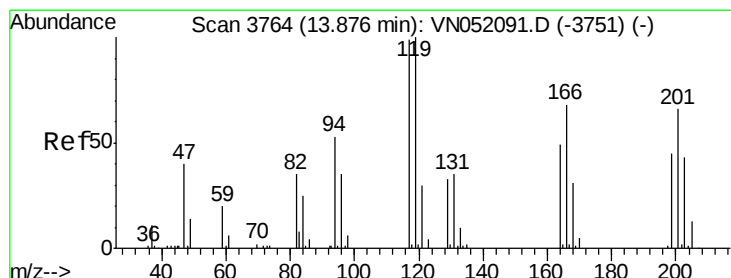
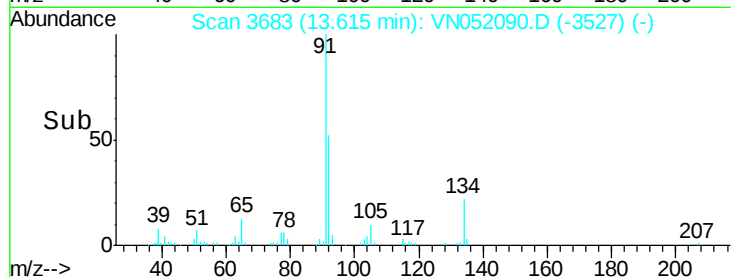
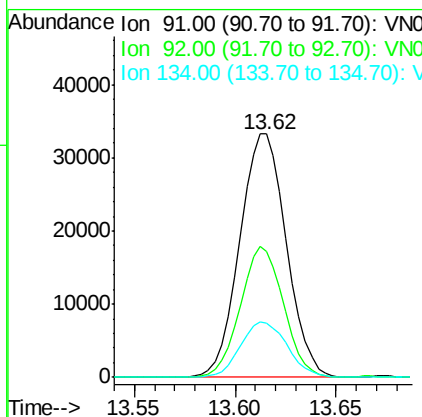
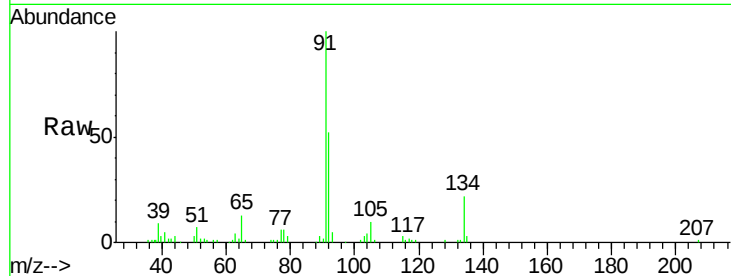
ClientSampled :

VSTDIC005

Tgt Ion:	91	Resp:	53686
Ion	Ratio	Lower	Upper
91	100		
92	49.8	0.0	102.8
134	22.8	0.0	49.2

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#86

Hexachloroethane

Concen: 4.429 ug/l

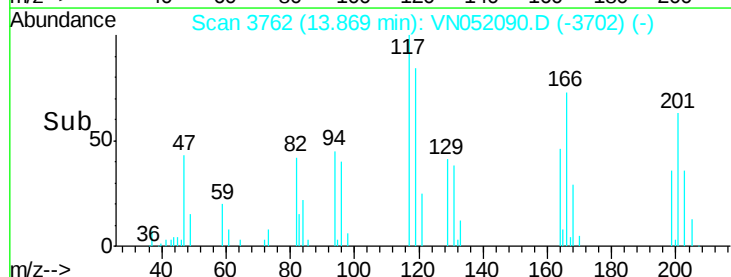
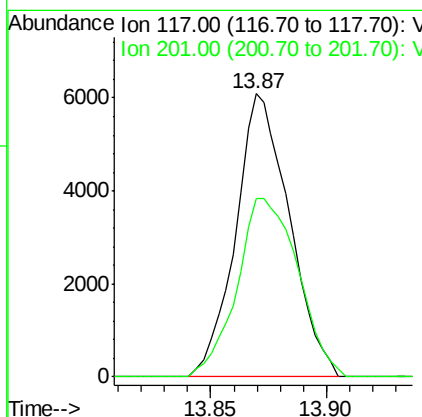
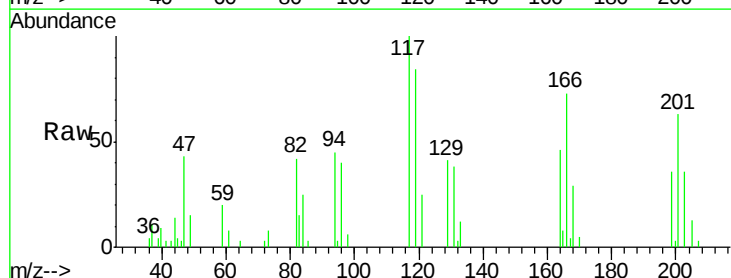
RT: 13.87 min Scan# 3762

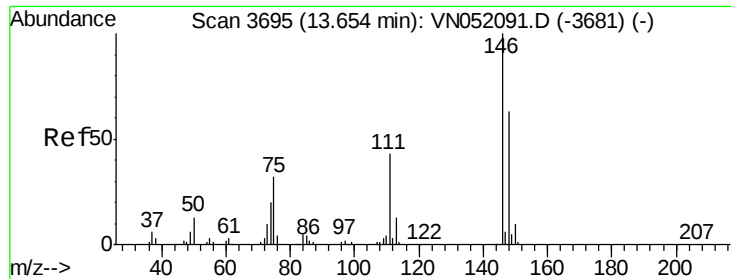
Delta R.T. -0.01 min

Lab File: VN052090.D

Acq: 1 Nov 2018 8:22

Tgt Ion:	117	Resp:	9762
Ion	Ratio	Lower	Upper
117	100		
201	71.8	32.2	96.6





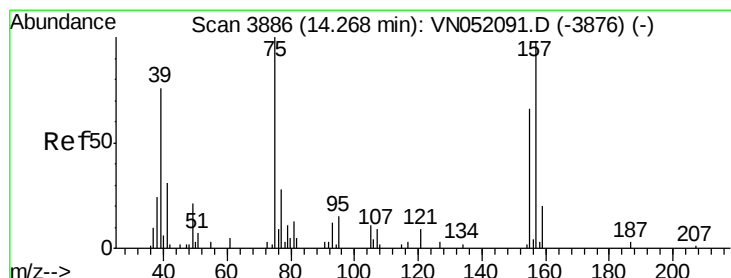
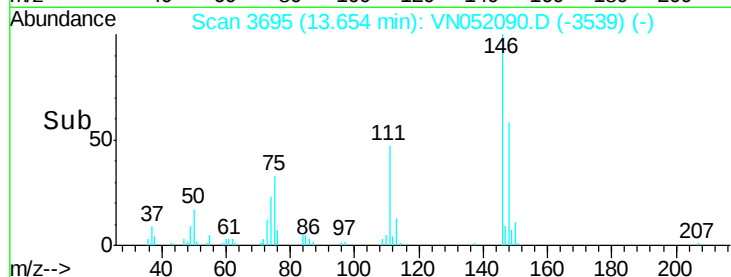
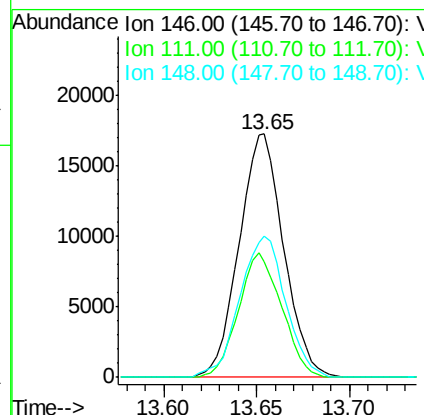
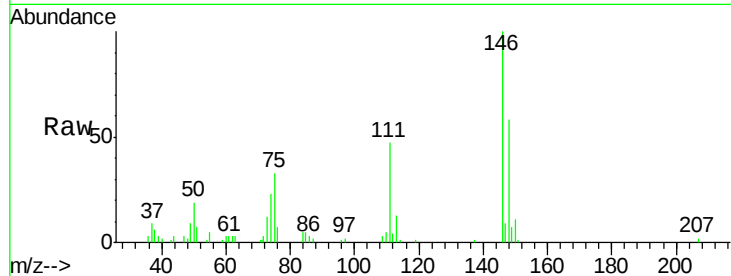
#87
 1,2-Dichlorobenzene
 Concen: 4.824 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	28883		
111	49.3	22.4	67.0	
148	59.8	32.5	97.4	

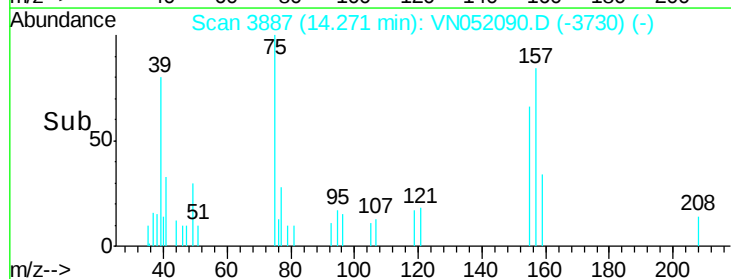
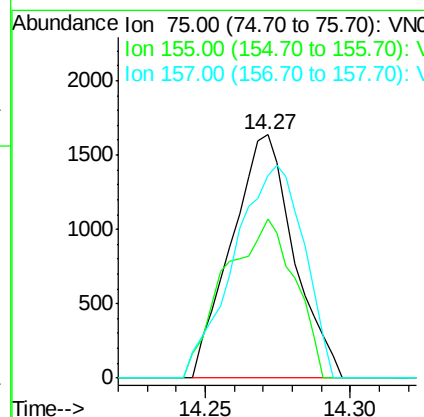
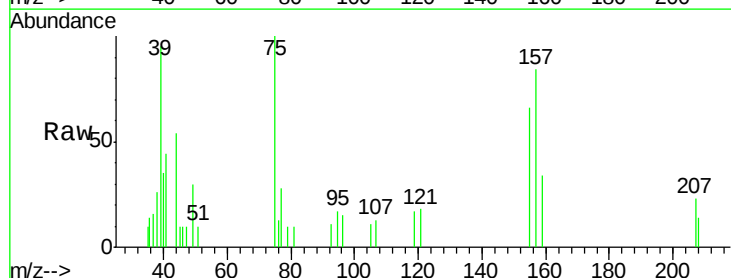
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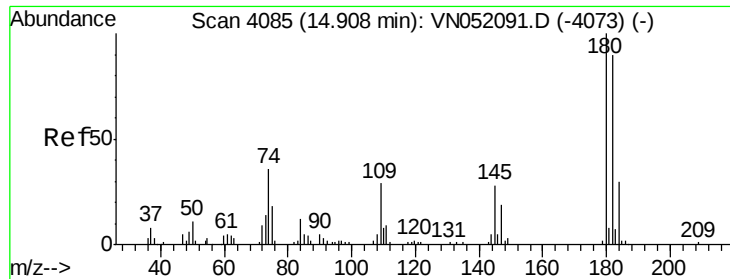
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.060 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2447		
155	73.1	56.7	85.1	
157	98.1	80.4	120.6	





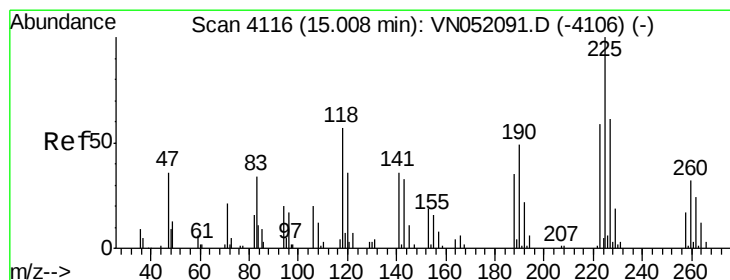
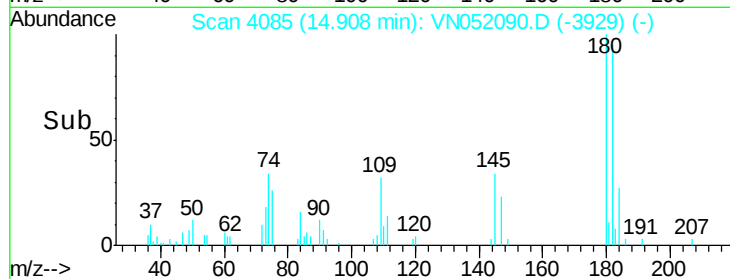
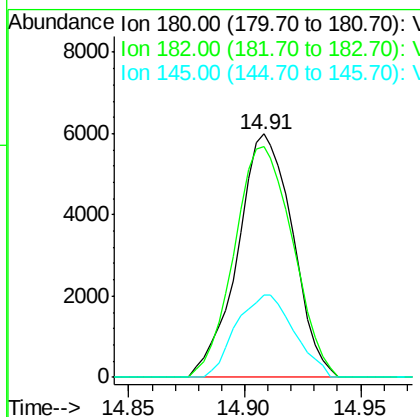
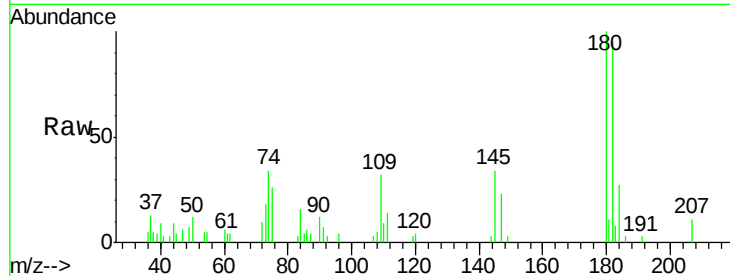
#89
 1,2,4-Trichlorobenzene
 Concen: 4.071 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.9	74.0	111.0
145	35.5	24.6	36.8

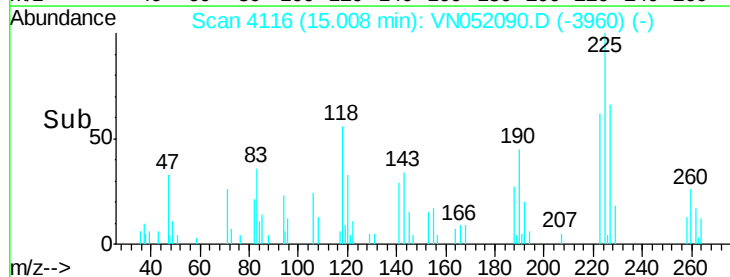
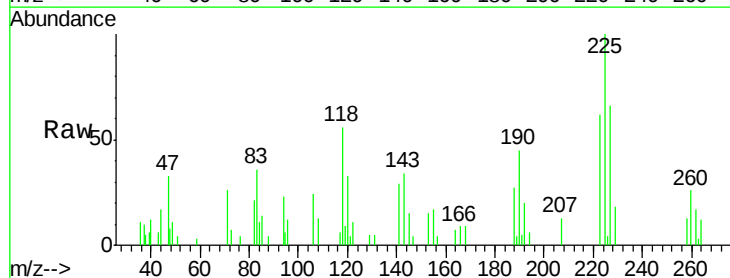
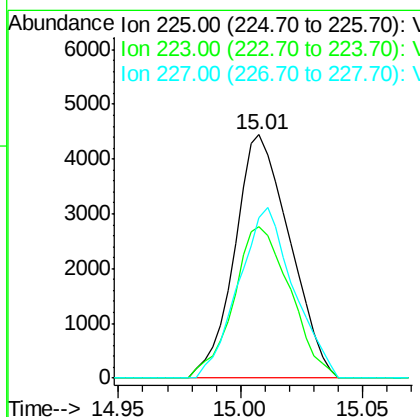
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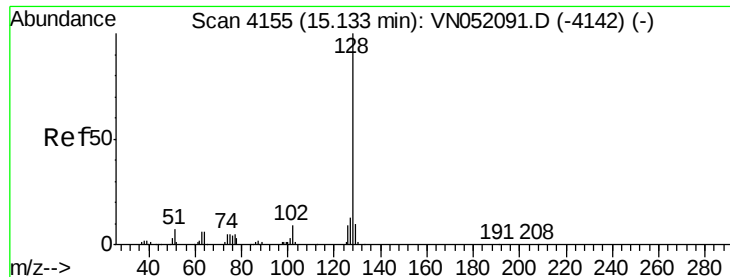
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#90
 Hexachlorobutadiene
 Concen: 5.239 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052090.D
 Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	121.2
227	70.0	0.0	127.2





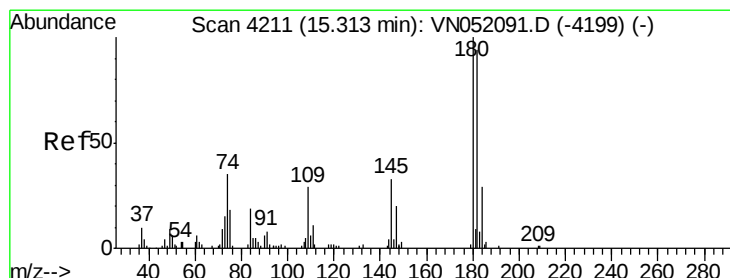
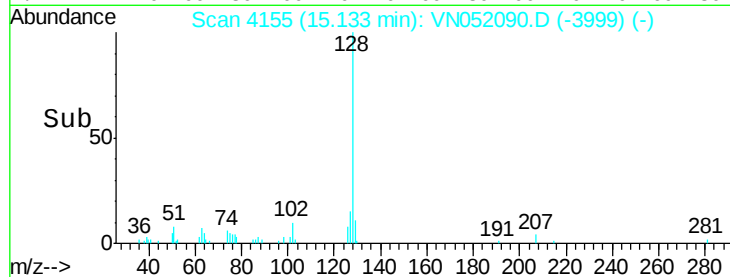
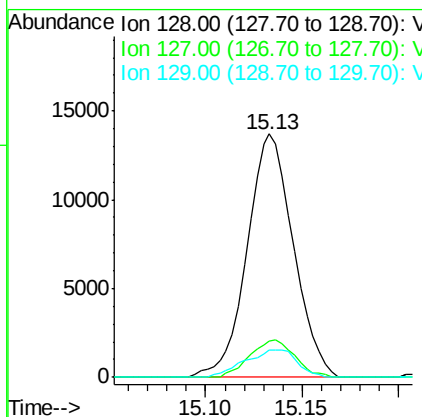
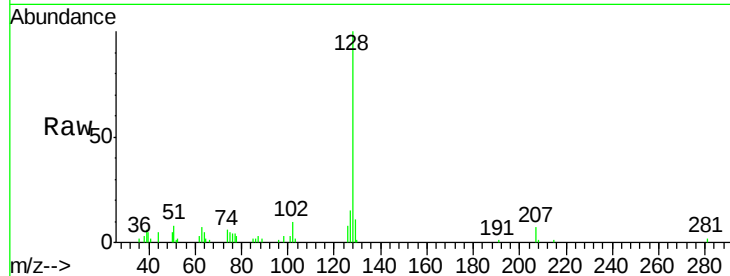
#91
Naphthalene
Concen: 4.057 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.4	15.6
129	12.9	8.3	12.5#

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#92
1,2,3-Trichlorobenzene
Concen: 4.462 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052090.D
Acq: 1 Nov 2018 8:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	0.0	186.6
145	35.7	0.0	66.6

