

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056354.D
 Acq On : 18 Jun 2019 10:34
 Operator : JC/SP
 Sample : VN0618WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:20:05 PM

Quant Time: Jun 19 02:18:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	544450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186170	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	204488	51.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.24%	
35) Dibromofluoromethane	7.59	113	176951	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.36%	
50) Toluene-d8	10.09	98	680310	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	222281	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	64503	20.823	ug/l	100
3) Chloromethane	2.06	50	84334	20.304	ug/l	98
4) Vinyl Chloride	2.18	62	81502	19.966	ug/l	99
6) Chloroethane	2.68	64	110189	46.605	ug/l	96
7) Trichlorofluoromethane	3.01	101	101733	19.514	ug/l	100
8) Diethyl Ether	3.40	74	41538	20.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66128	19.612	ug/l	99
10) Methyl Iodide	3.94	142	84439	19.569	ug/l	99
11) Tert butyl alcohol	4.82	59	59750	95.846	ug/l	98
12) 1,1-Dichloroethene	3.72	96	63585	19.446	ug/l	96
13) Acrolein	3.60	56	16641	95.264	ug/l	100
14) Allyl chloride	4.31	41	104048	18.974	ug/l	98
15) Acrylonitrile	4.99	53	184847	103.749	ug/l	100
16) Acetone	3.82	43	194853	89.010	ug/l	99
17) Carbon Disulfide	4.04	76	142768	16.318	ug/l	98
18) Methyl Acetate	4.33	43	77860	19.309	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	204715	20.529	ug/l	100
20) Methylene Chloride	4.54	84	76582	19.812	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	67446	19.392	ug/l	98
22) Diisopropyl ether	5.96	45	215489	19.991	ug/l	99
23) Vinyl Acetate	5.90	43	885550	100.974	ug/l	99
24) 1,1-Dichloroethane	5.84	63	125521	19.861	ug/l	98
25) 2-Butanone	6.84	43	261128	98.414	ug/l	100
26) 2,2-Dichloropropane	6.82	77	81198	17.767	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	79654	19.774	ug/l	99
28) Bromochloromethane	7.20	49	69164	21.854	ug/l	99
29) Tetrahydrofuran	7.22	42	161071	102.196	ug/l	99
30) Chloroform	7.37	83	124087	19.711	ug/l	99
31) Cyclohexane	7.65	56	119807	19.621	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	98047	18.802	ug/l	99
36) 1,1-Dichloropropene	7.79	75	93310	19.045	ug/l	98
37) Ethyl Acetate	6.93	43	97104	20.914	ug/l	99
38) Carbon Tetrachloride	7.77	117	82464	17.536	ug/l	96
39) Methylcyclohexane	9.08	83	115153	19.269	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	296017	19.917	ug/l	99
41) Methacrylonitrile	7.18	41	35603m	16.699	ug/l	
42) 1,2-Dichloroethane	8.12	62	97812	20.068	ug/l	99
43) Isopropyl Acetate	8.17	43	142571	19.196	ug/l #	90
44) Trichloroethene	8.83	130	79151	19.584	ug/l	97
45) 1,2-Dichloropropane	9.12	63	77842	19.818	ug/l	96
46) Dibromomethane	9.21	93	50236	19.246	ug/l	99
47) Bromodichloromethane	9.40	83	87140	17.474	ug/l	100
48) Methyl methacrylate	9.20	41	72478	19.342	ug/l	99
49) 1,4-Dioxane	9.20	88	30377	401.853	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	473796	100.090	ug/l	100
52) Toluene	10.15	92	181614	20.020	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	83967	16.958	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	102221	17.898	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71239	19.108	ug/l	98
56) Ethyl methacrylate	10.43	69	105905	19.752	ug/l	98
57) 1,3-Dichloropropane	10.71	76	123265	19.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	197470	108.082	ug/l	98
59) 2-Hexanone	10.75	43	344316	98.076	ug/l	100
60) Dibromochloromethane	10.90	129	66568	17.024	ug/l	99
61) 1,2-Dibromoethane	11.01	107	75065	19.587	ug/l	99
64) Tetrachloroethene	10.63	164	77274	19.463	ug/l	97
65) Chlorobenzene	11.43	112	195608	19.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	65046	17.726	ug/l	97
67) Ethyl Benzene	11.51	91	335848	19.850	ug/l	100
68) m/p-Xylenes	11.62	106	253041	40.182	ug/l	99
69) o-Xylene	11.95	106	125157	20.162	ug/l	99
70) Stvrene	11.96	104	201863	20.142	ug/l	100
71) Bromoform	12.12	173	43279	15.176	ug/l #	99
73) Isopropylbenzene	12.25	105	327528	21.499	ug/l	99
74) N-amyl acetate	12.07	43	117989	20.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102530	21.491	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	88893m	22.348	ug/l	
77) Bromobenzene	12.52	156	83329	20.728	ug/l	100
78) n-propylbenzene	12.59	91	341838	20.456	ug/l	99
79) 2-Chlorotoluene	12.67	91	212879	21.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	266772	20.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20610	16.099	ug/l #	83
82) 4-Chlorotoluene	12.77	91	198258	20.211	ug/l	100
83) tert-Butylbenzene	12.99	119	236784	21.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255651	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	302510	20.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	258395	20.596	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126140	19.907	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118803	19.511	ug/l	98
89) n-Butylbenzene	13.61	91	182419	19.448	ug/l	99
90) Hexachloroethane	13.87	117	37768	16.034	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	124671	20.092	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14320	17.802	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	41894	16.911	ug/l	96

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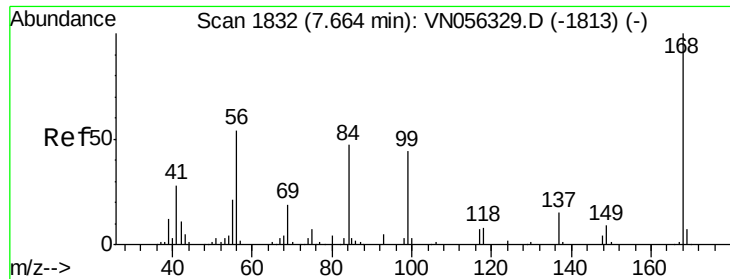
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jun 18 04:23:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	46427	20.405	ug/l	97
95) Naphthalene	15.13	128	120301	17.469	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51365	17.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:168 Resp: 352338

Ion Ratio Lower Upper

168 100

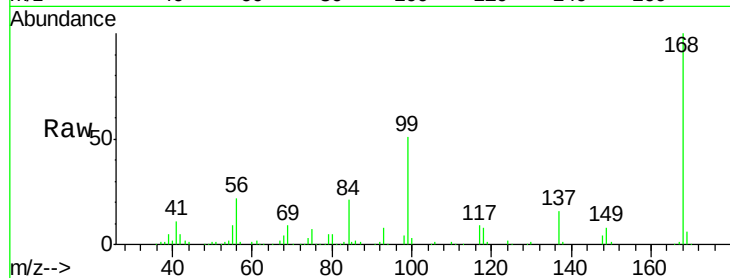
99 49.9 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

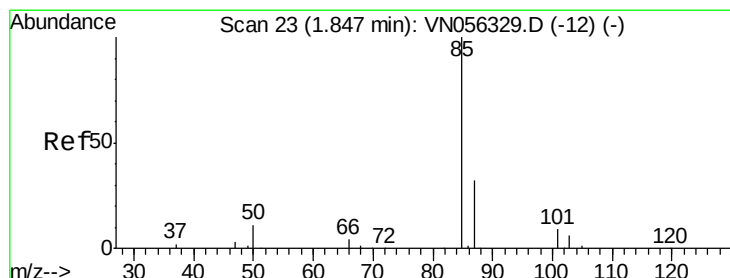
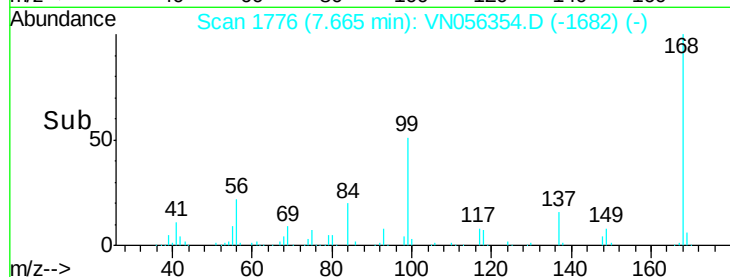
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.823 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056354.D

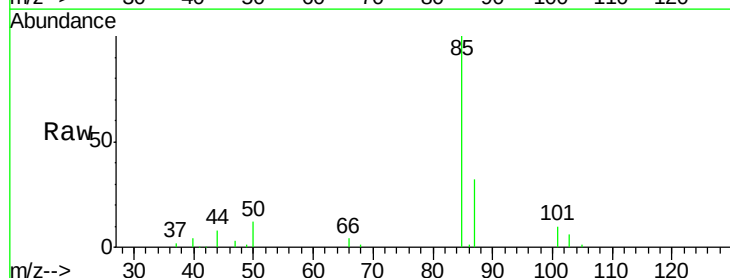
Acq: 18 Jun 2019 10:34

Tgt Ion: 85 Resp: 64503

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

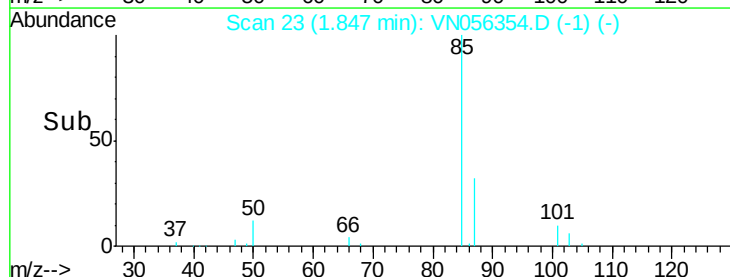
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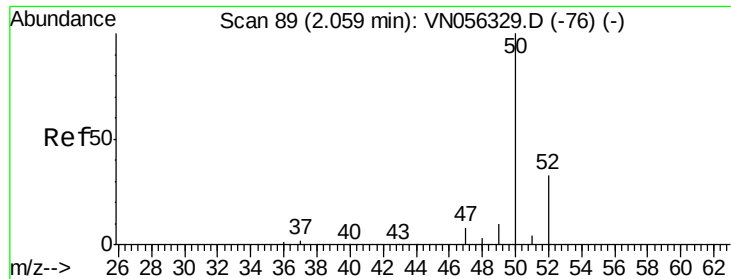
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.304 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 50 Resp: 84334

Ion Ratio Lower Upper

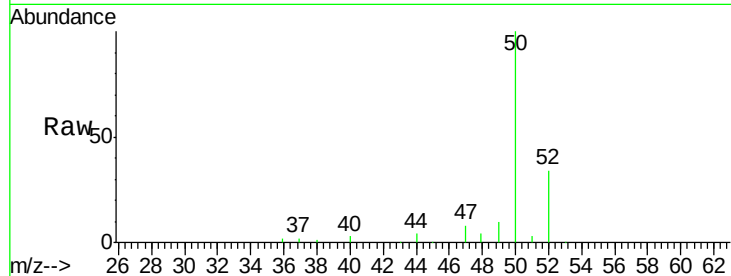
50 100

52 34.0 26.3 39.5

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

60000

50000

40000

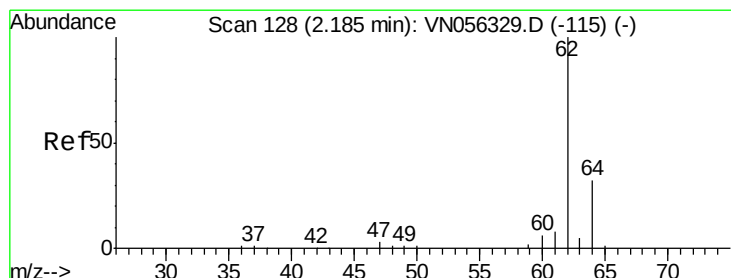
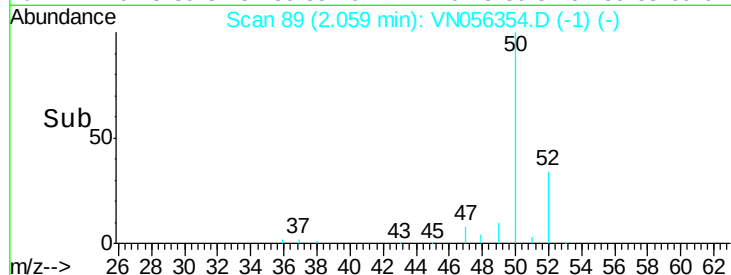
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 19.966 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056354.D

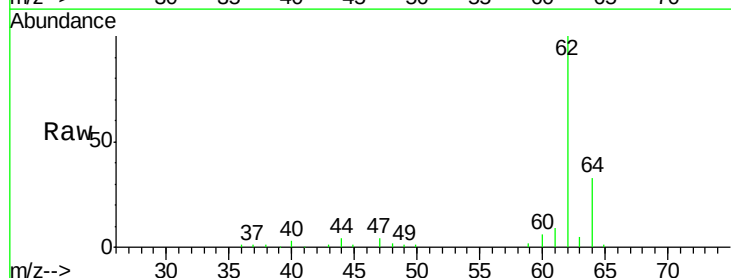
Acq: 18 Jun 2019 10:34

Tgt Ion: 62 Resp: 81502

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

60000

50000

40000

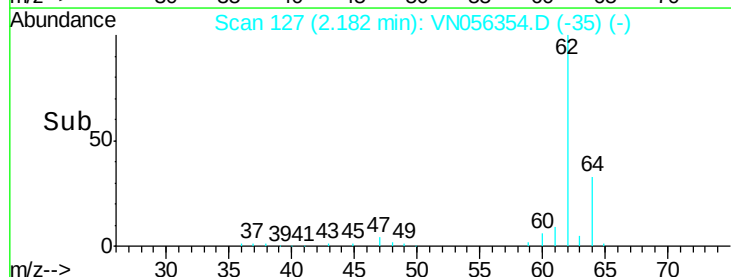
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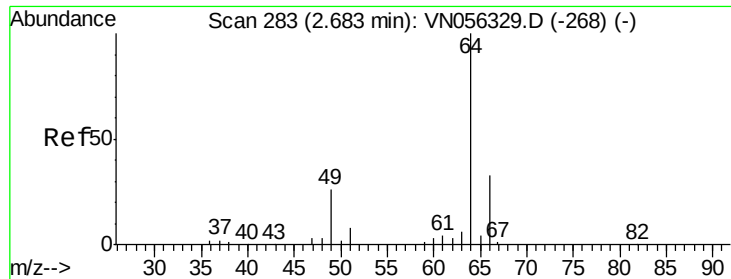
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10000

0

Time-->





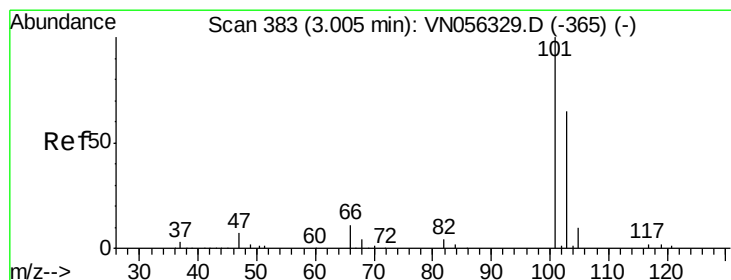
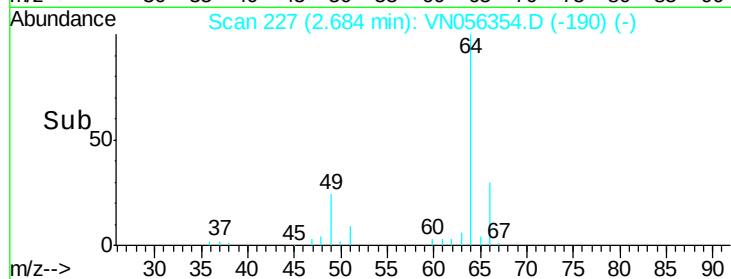
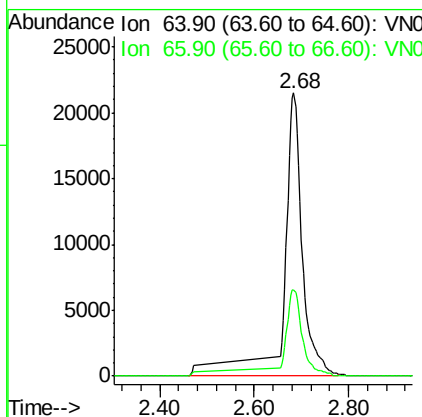
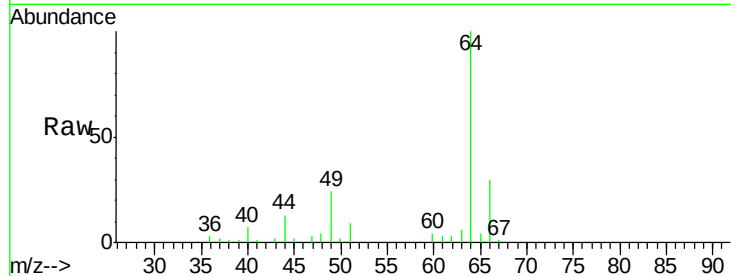
#6
Chloroethane
Concen: 46.605 ug/l
RT: 2.68 min Scan# 227
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
64	100		
66	30.4	26.3	39.5

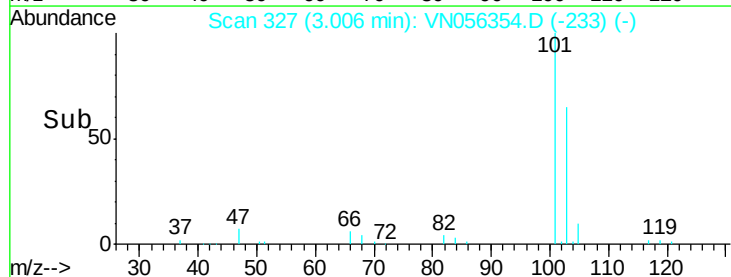
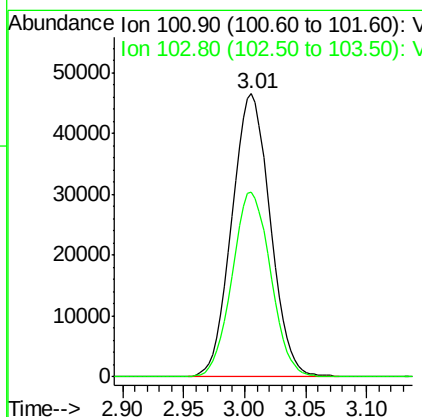
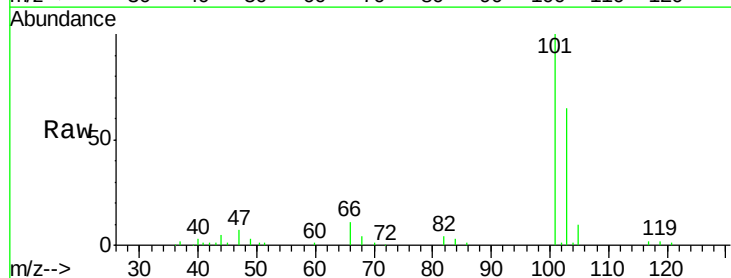
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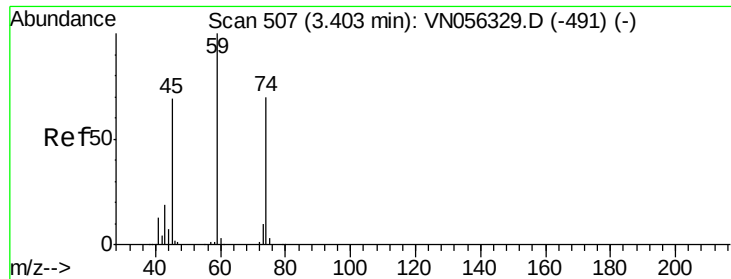
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#7
Trichlorofluoromethane
Concen: 19.514 ug/l
RT: 3.01 min Scan# 327
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.1	78.1





#8

Diethyl Ether

Concen: 20.088 ug/l

RT: 3.40 min Scan# 451

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 74 Resp: 41538

Ion Ratio Lower Upper

74 100

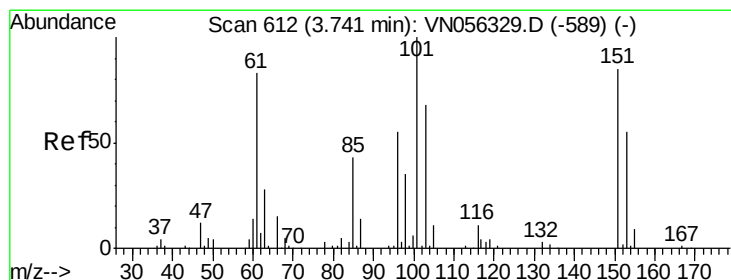
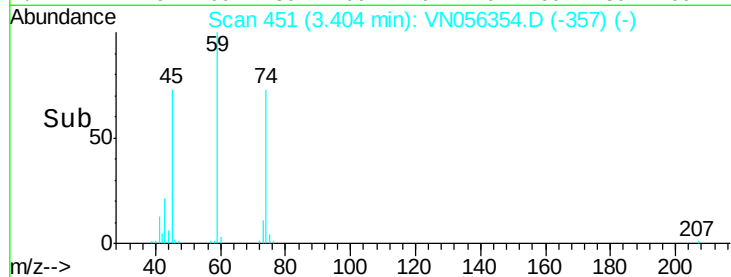
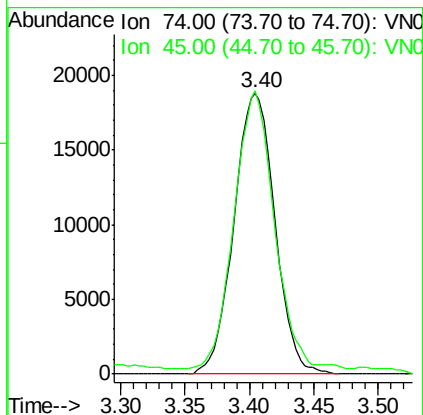
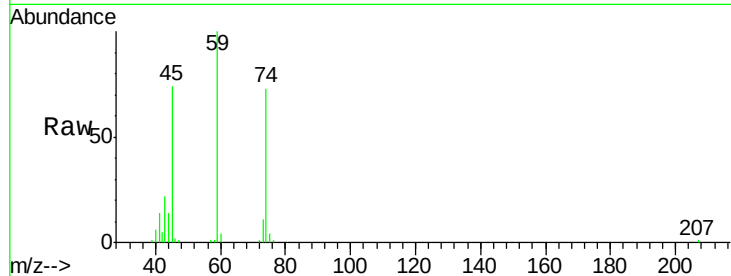
45 96.1 49.0 147.0

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.612 ug/l

RT: 3.74 min Scan# 555

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

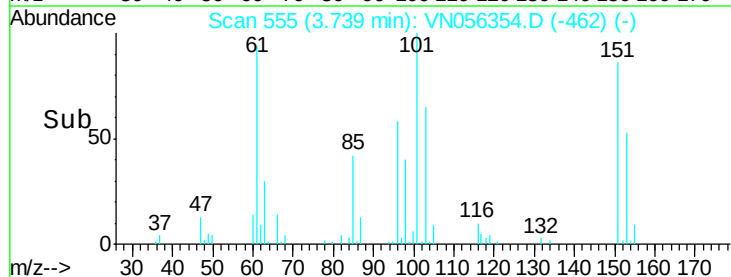
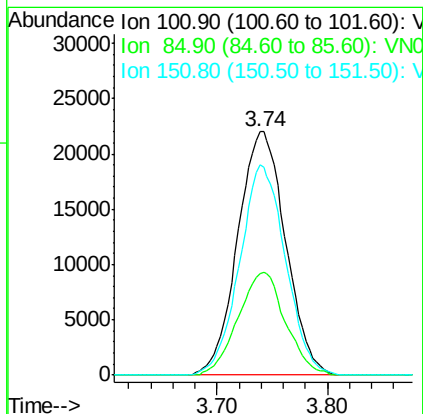
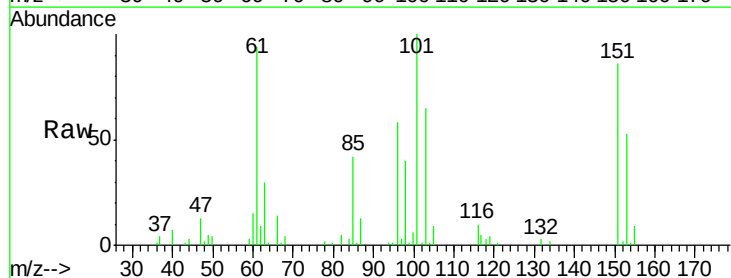
Tgt Ion: 101 Resp: 66128

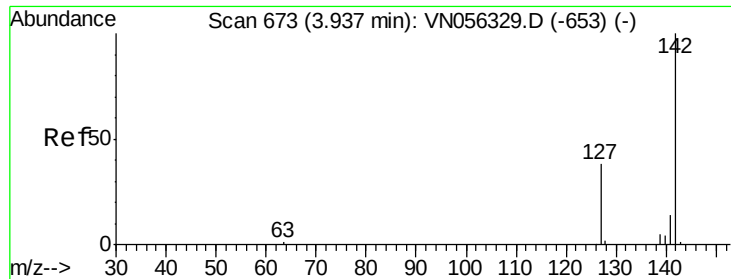
Ion Ratio Lower Upper

101 100

85 41.7 33.8 50.8

151 82.9 67.4 101.0





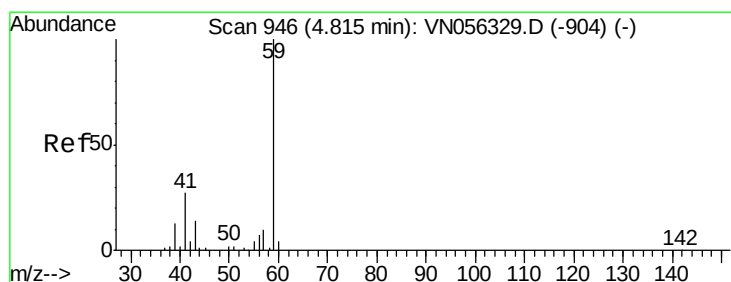
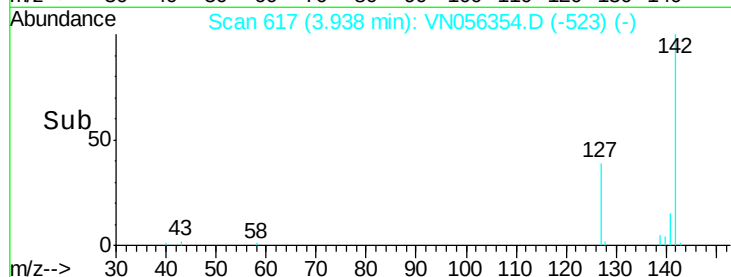
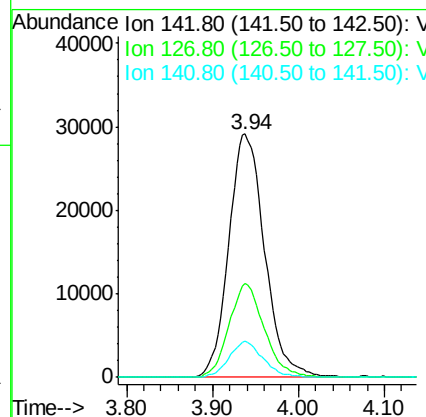
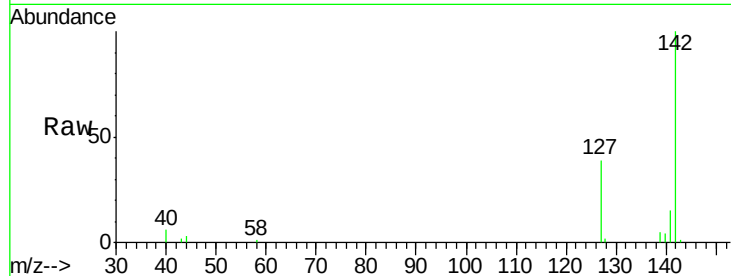
#10
Methvl Iodide
Concen: 19.569 ug/l
RT: 3.94 min Scan# 617
Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
142	100		
127	37.7	30.8	46.2
141	13.9	11.4	17.2

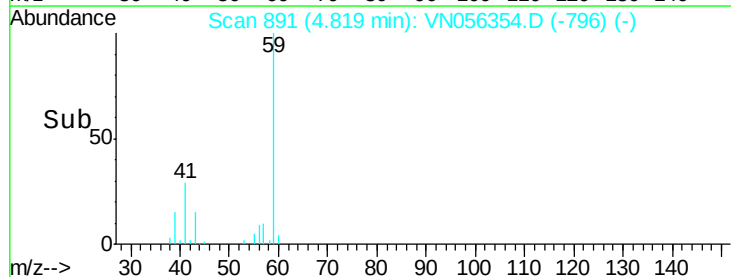
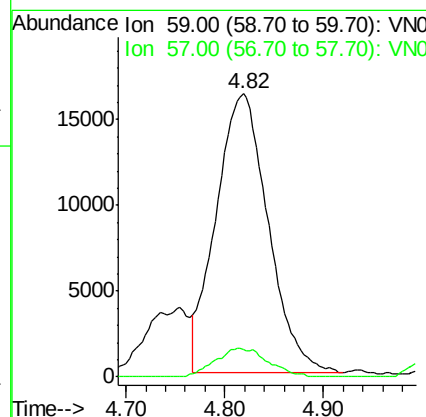
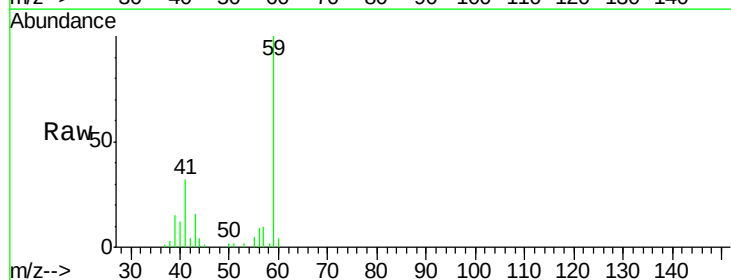
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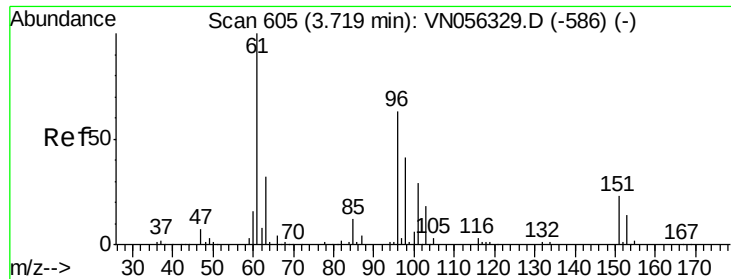
MMDadoda
6/19/2019 12:20:05 PM



#11
Tert butyl alcohol
Concen: 95.846 ug/l
RT: 4.82 min Scan# 891
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.8	11.8





#12

1,1-Dichloroethene

Concen: 19.446 ug/l

RT: 3.72 min Scan# 549

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 96 Resp: 63585

Ion Ratio Lower Upper

96 100

61 152.7 127.4 191.2

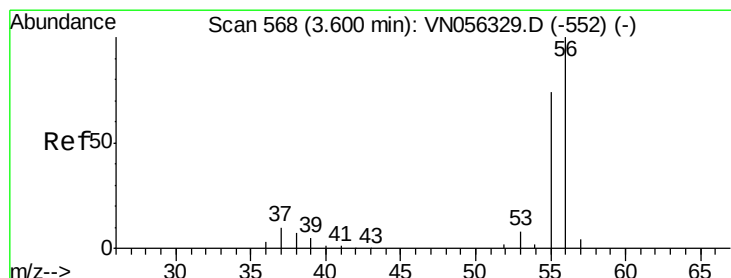
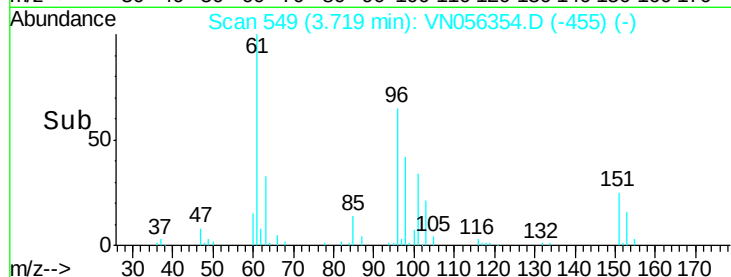
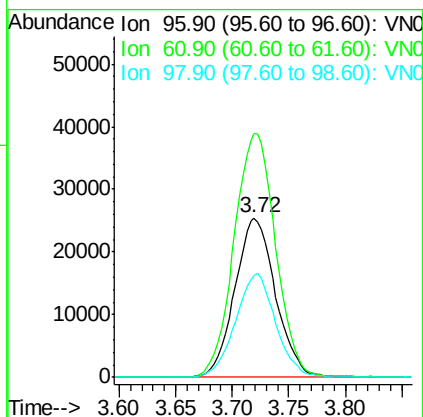
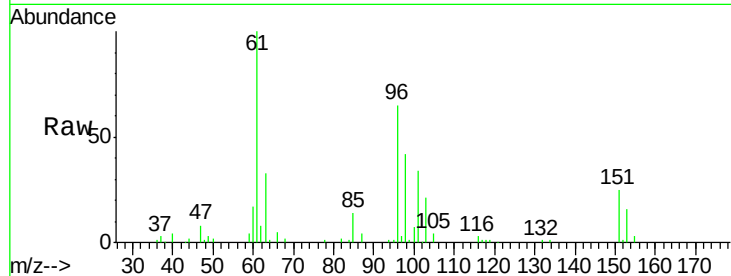
98 64.0 51.7 77.5

Manual Integrations

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#13

Acrolein

Concen: 95.264 ug/l

RT: 3.60 min Scan# 512

Delta R.T. 0.00 min

Lab File: VN056354.D

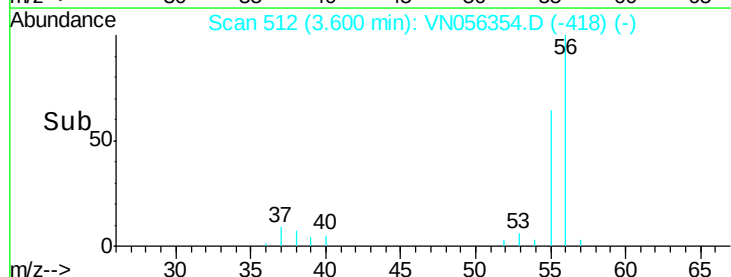
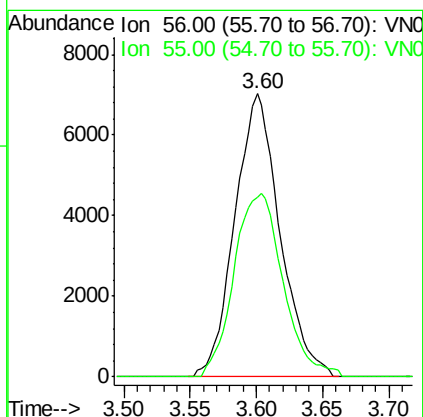
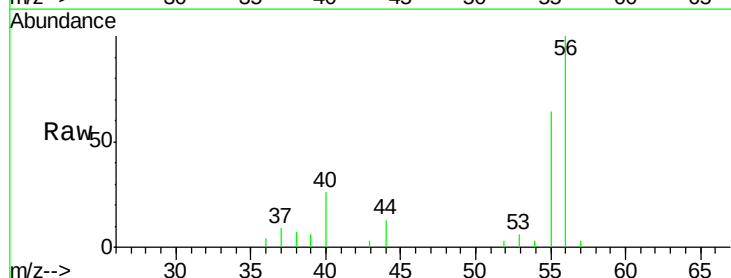
Acq: 18 Jun 2019 10:34

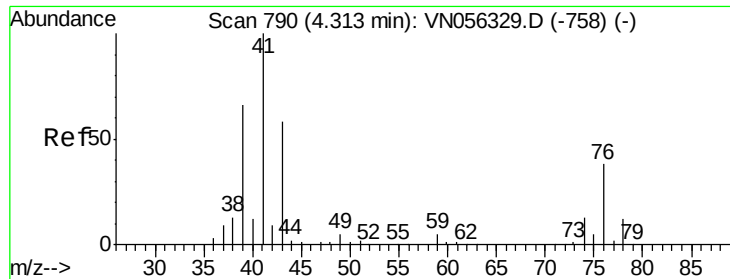
Tgt Ion: 56 Resp: 16641

Ion Ratio Lower Upper

56 100

55 70.4 56.4 84.6





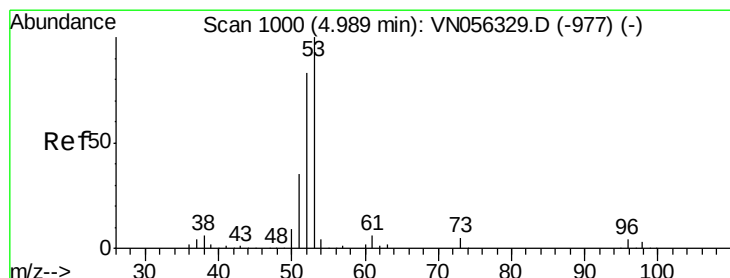
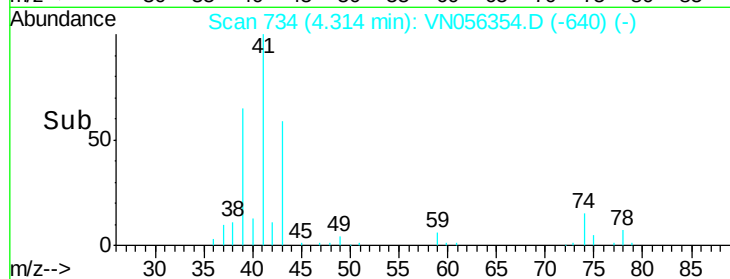
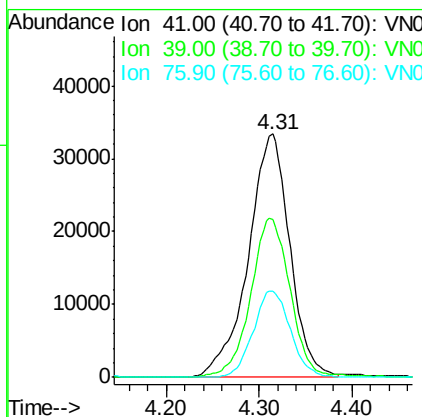
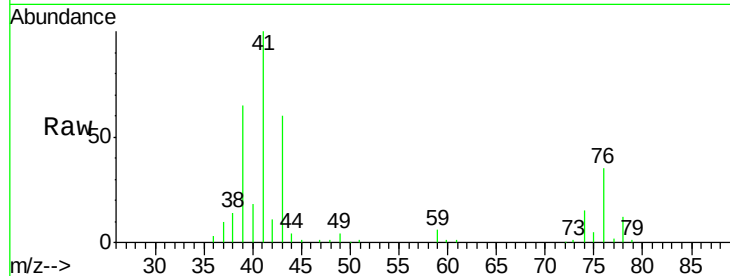
#14
Allvl chloride
Concen: 18.974 ug/l
RT: 4.31 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.1	48.9	73.3
76	31.8	27.2	40.8

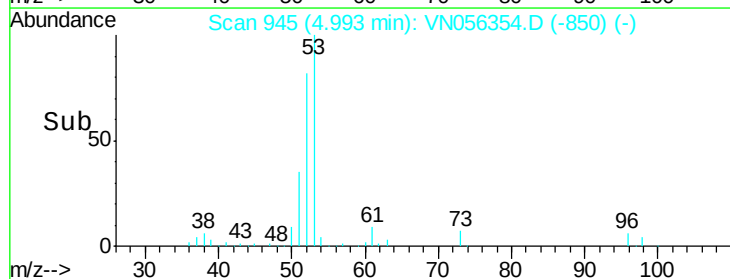
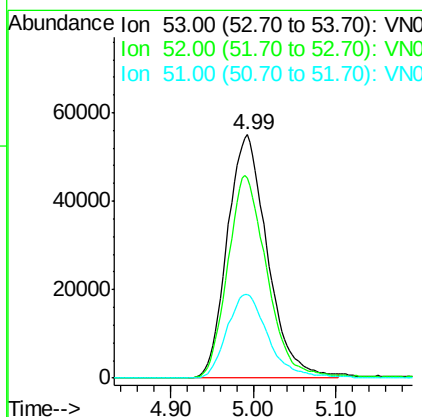
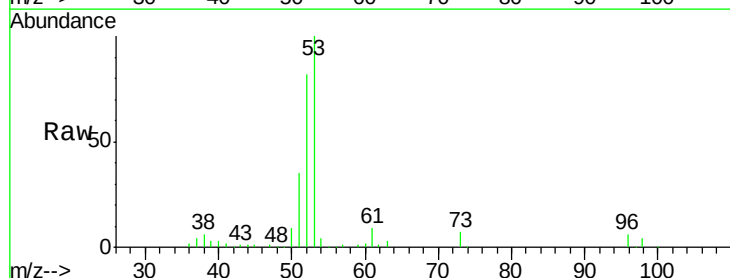
Manual Integrations
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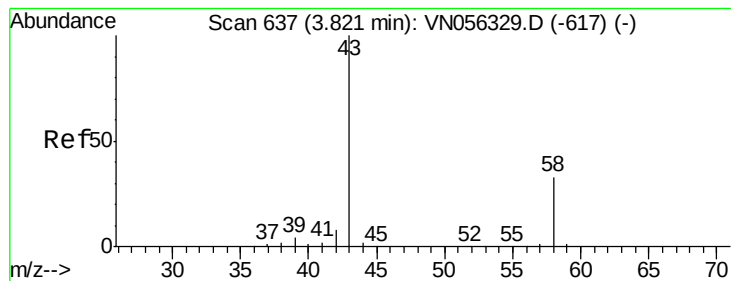
MMDadoda
6/19/2019 12:20:05 PM



#15
Acrylonitrile
Concen: 103.749 ug/l
RT: 4.99 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	35.5	28.5	42.7





#16

Acetone

Concen: 89.010 ug/l

RT: 3.82 min Scan# 581

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 43 Resp: 194853

Ion Ratio Lower Upper

43 100

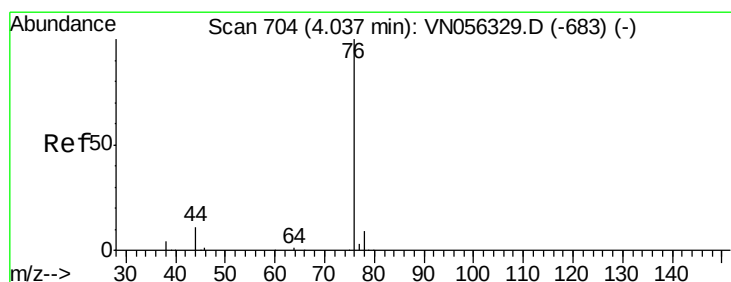
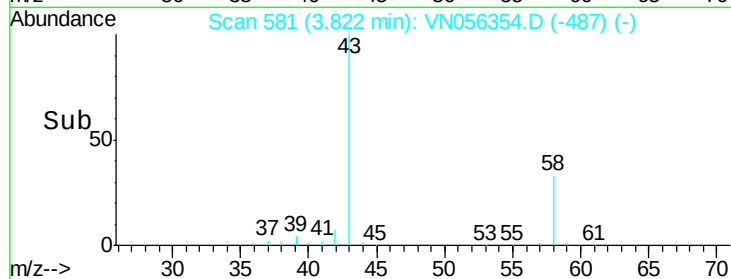
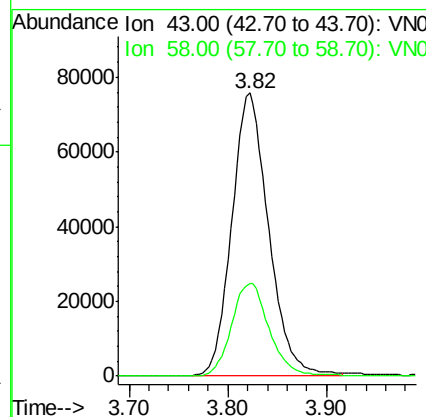
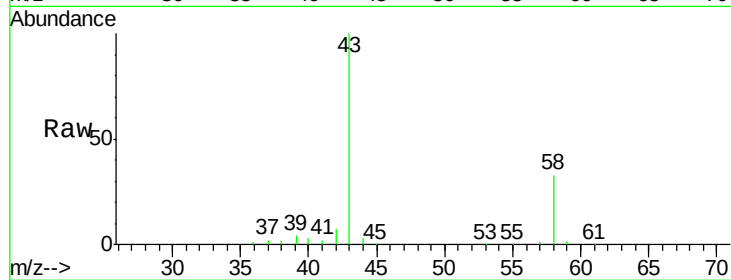
58 32.8 26.5 39.7

Manual Integrations

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#17

Carbon Disulfide

Concen: 16.318 ug/l

RT: 4.04 min Scan# 648

Delta R.T. 0.00 min

Lab File: VN056354.D

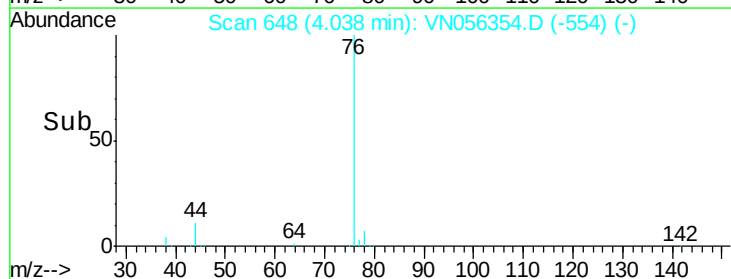
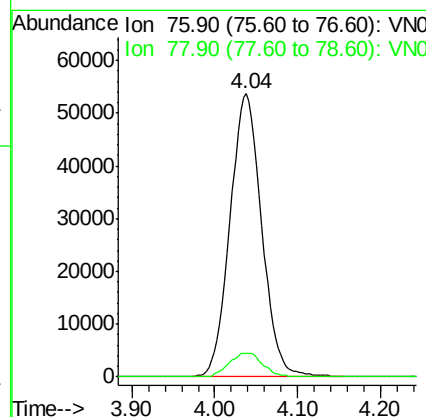
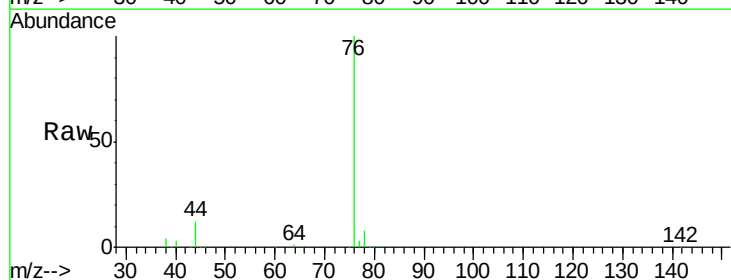
Acq: 18 Jun 2019 10:34

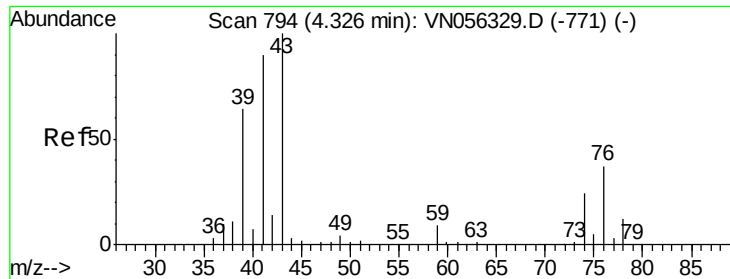
Tgt Ion: 76 Resp: 142768

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9





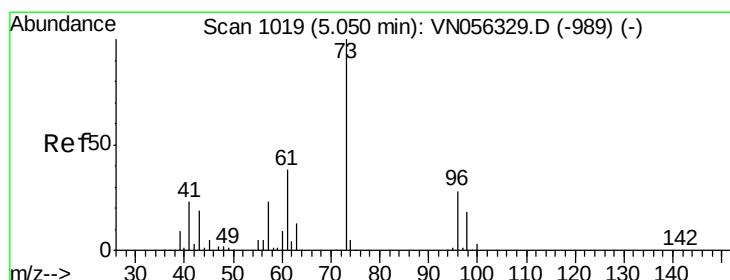
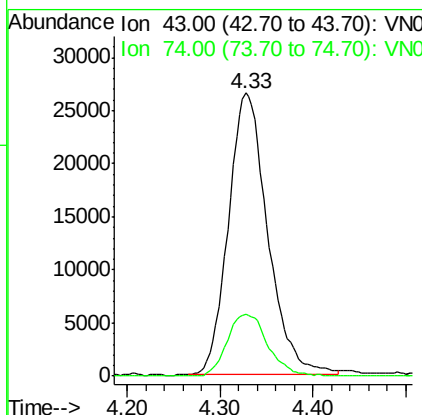
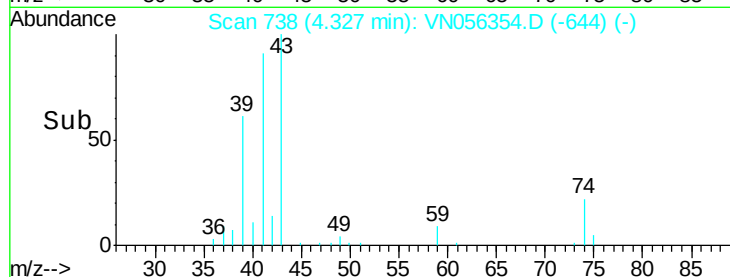
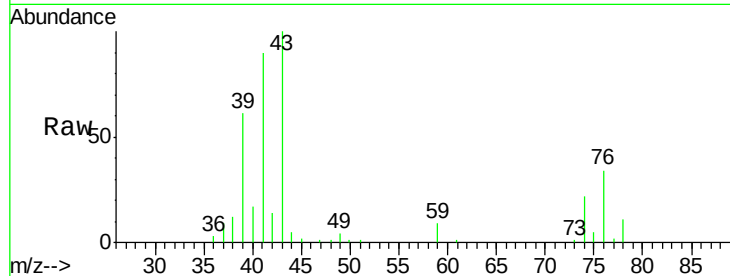
#18
Methyl Acetate
Concen: 19.309 ug/l
RT: 4.33 min Scan# 738
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion: 43 Resp: 77860
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2

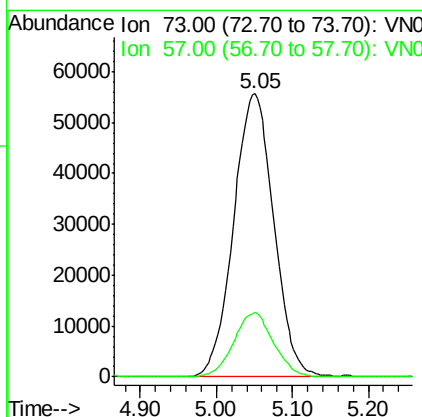
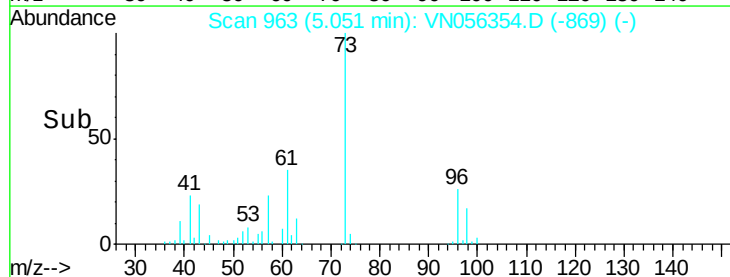
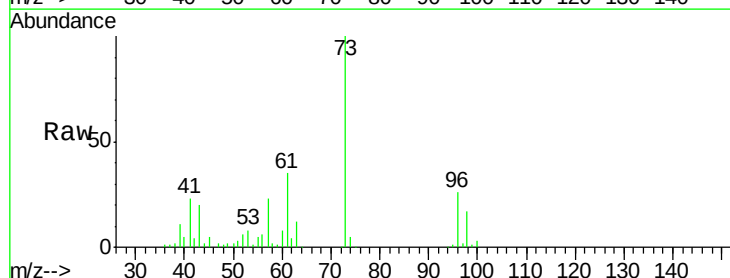
Manual Integrations
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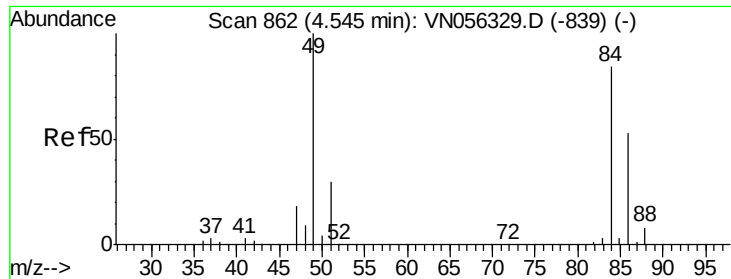
MMDadoda
6/19/2019 12:20:05 PM



#19
Methyl tert-butyl Ether
Concen: 20.529 ug/l
RT: 5.05 min Scan# 963
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 73 Resp: 204715
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1





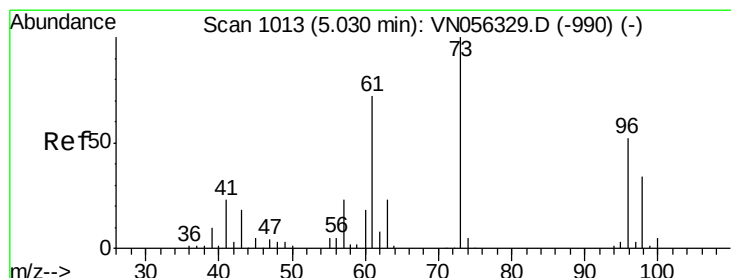
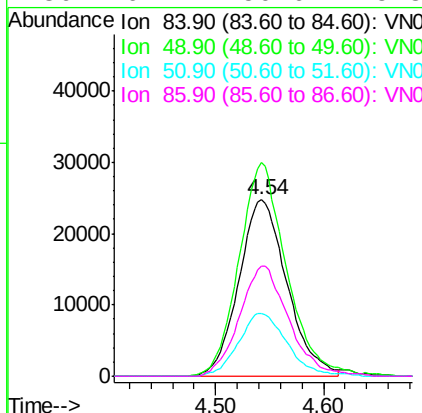
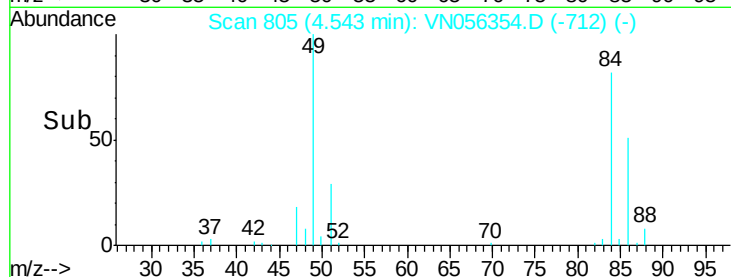
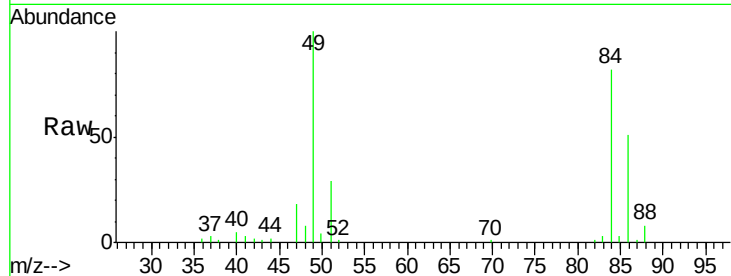
#20
Methylene Chloride
Concen: 19.812 ug/l
RT: 4.54 min Scan# 805
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	121.3	95.0	142.6	
51	35.7	28.2	42.4	
86	62.4	50.6	75.8	

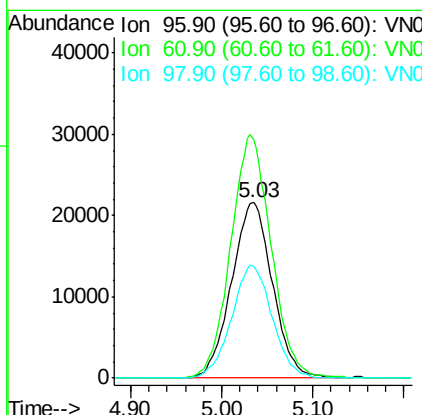
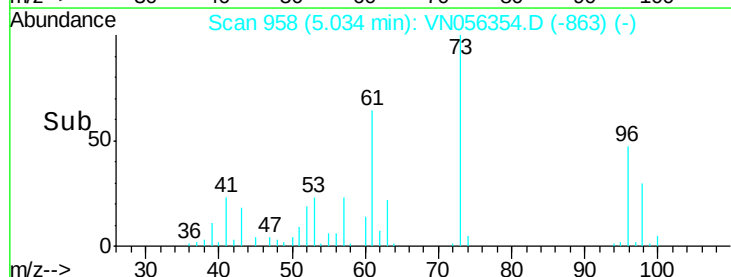
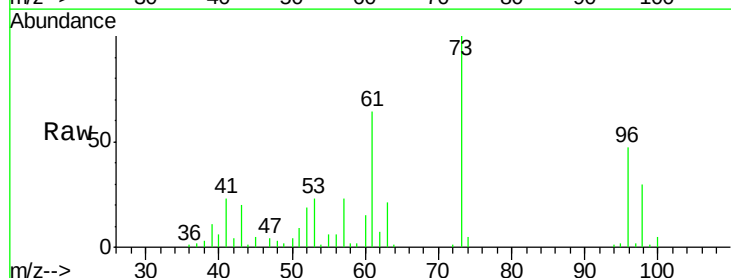
Manual Integrations
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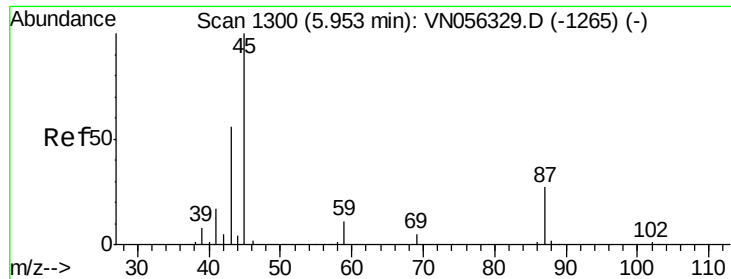
MMDadoda
6/19/2019 12:20:05 PM



#21
trans-1,2-Dichloroethene
Concen: 19.392 ug/l
RT: 5.03 min Scan# 958
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	134.9	109.8	164.6	
98	63.7	52.0	78.0	





#22

Diisopropyl ether

Concen: 19.991 ug/l

RT: 5.96 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

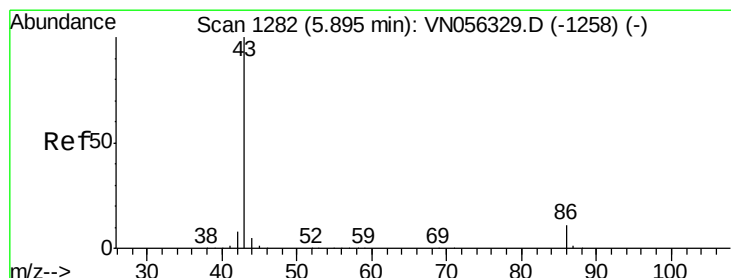
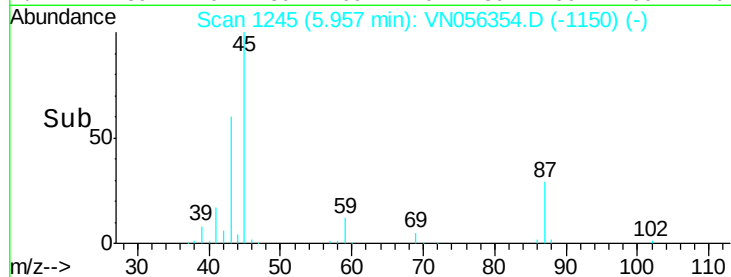
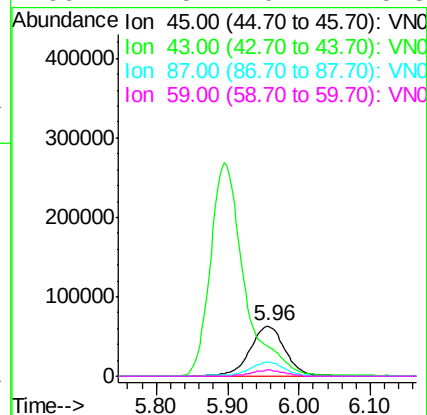
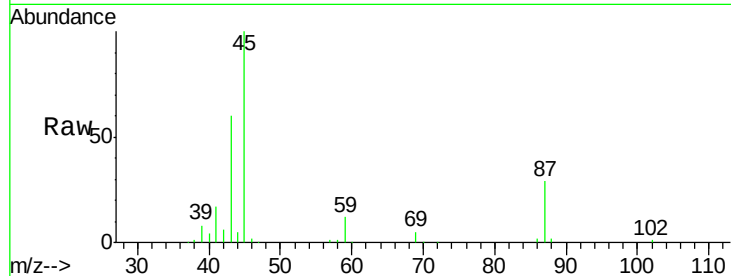
ClientSampled :

VN0618WBS01

Tot Ion:	45	Resp:	215489
Ion Ratio	Lower	Upper	
45	100		
43	57.7	47.0	70.6
87	28.3	22.4	33.6
59	11.5	9.2	13.8

Manual Integrations
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6/19/2019 12:20:05 PM



#23

Vinyl Acetate

Concen: 100.974 ug/l

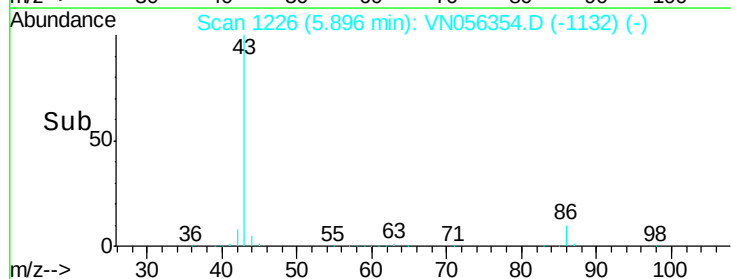
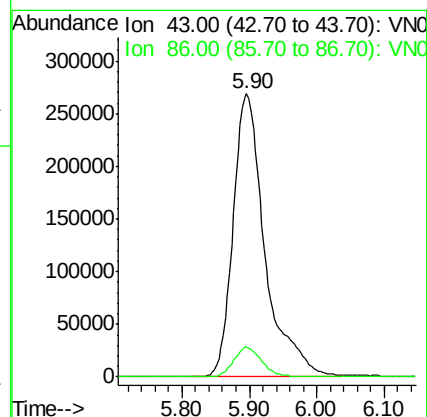
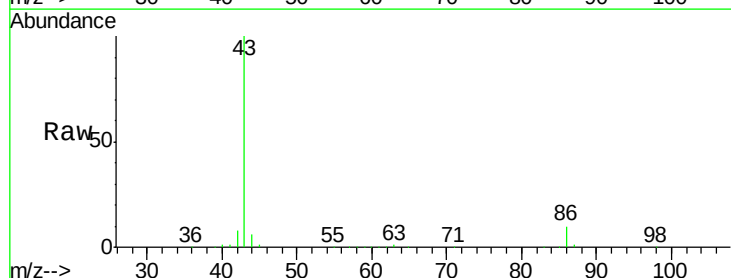
RT: 5.90 min Scan# 1226

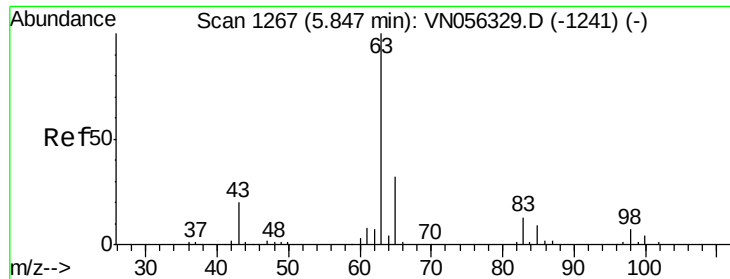
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion:	43	Resp:	885550
Ion Ratio	Lower	Upper	
43	100		
86	10.4	8.5	12.7





#24

1,1-Dichloroethane

Concen: 19.861 ug/l

RT: 5.84 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

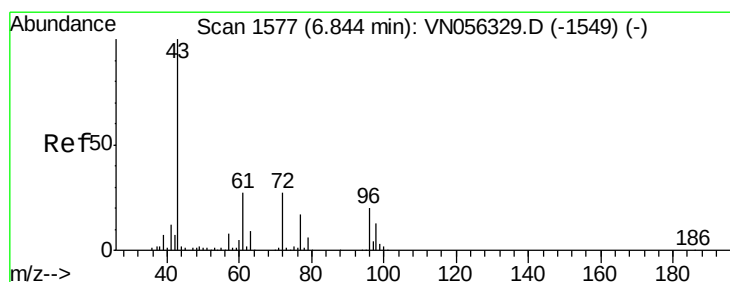
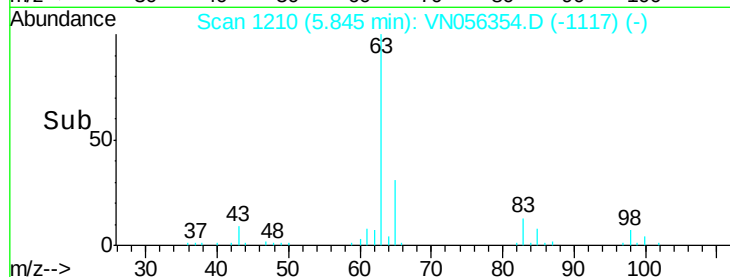
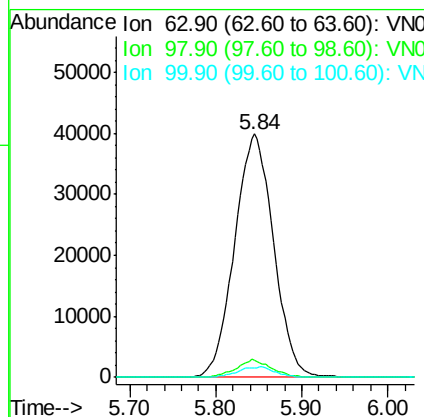
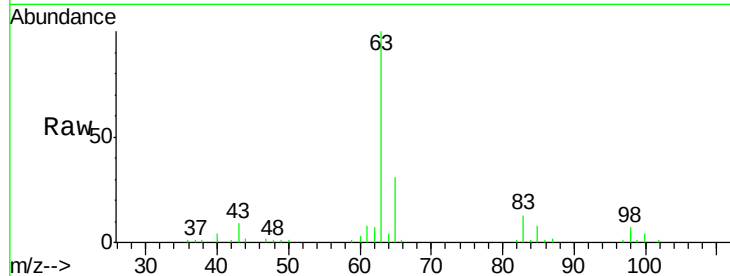
ClientSampleId :

VN0618WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.8
100	3.9	2.2	6.6

Manual Integrations
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6/19/2019 12:20:05 PM



#25

2-Butanone

Concen: 98.414 ug/l

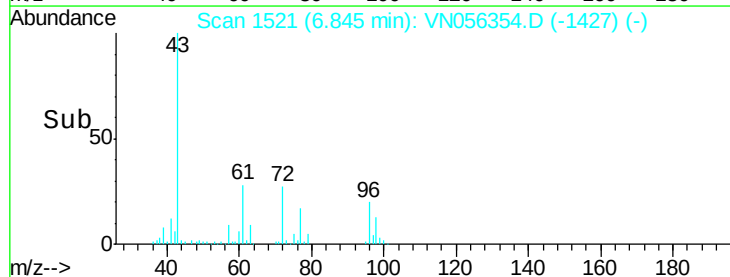
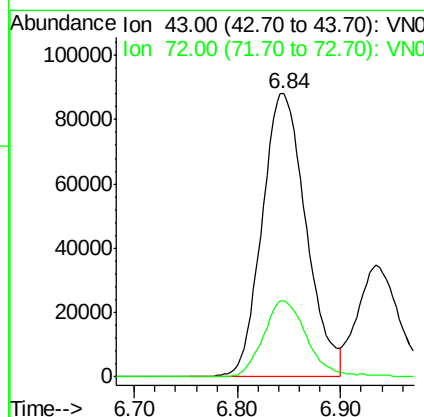
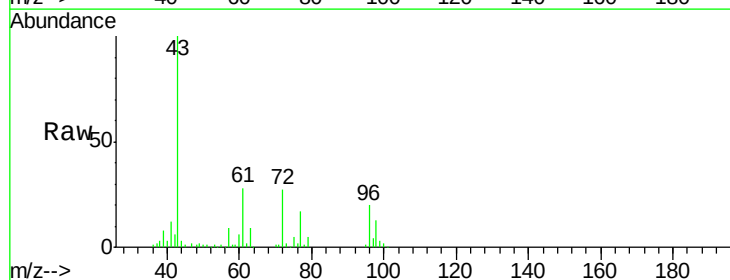
RT: 6.84 min Scan# 1521

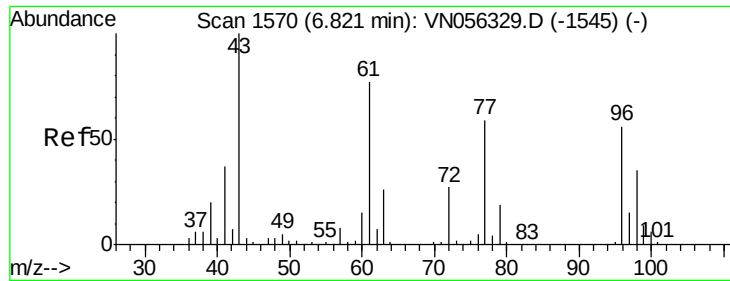
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.4	32.2





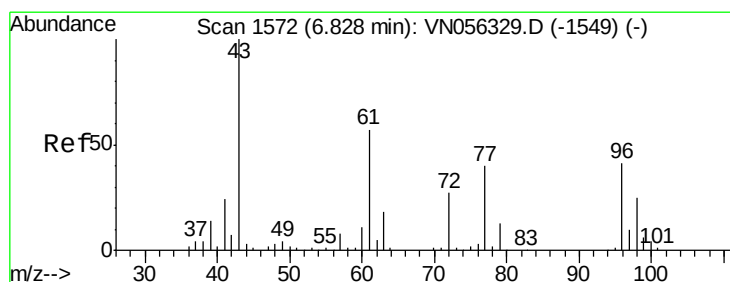
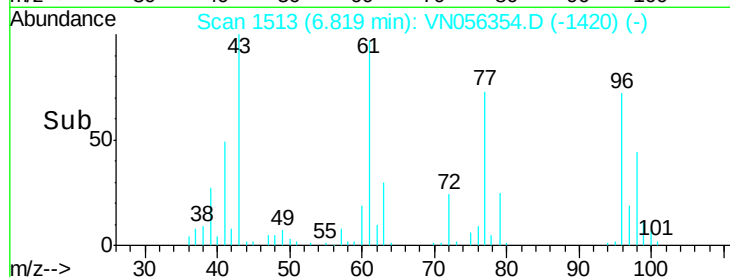
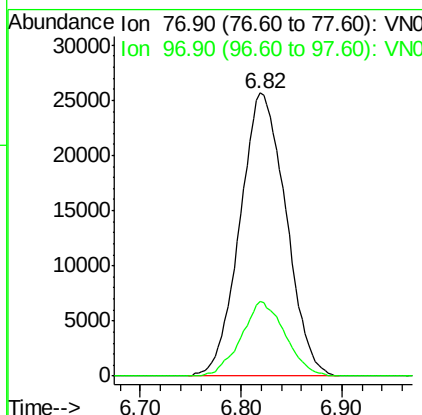
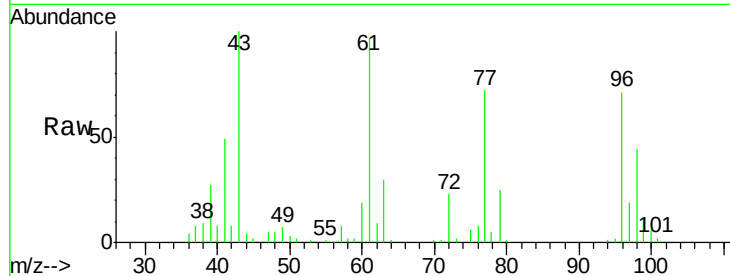
#26
 2,2-Dichloropropane
 Concen: 17.767 ug/l
 RT: 6.82 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion: 77 Resp: 81198
 Ion Ratio Lower Upper
 77 100
 97 25.2 12.2 36.6

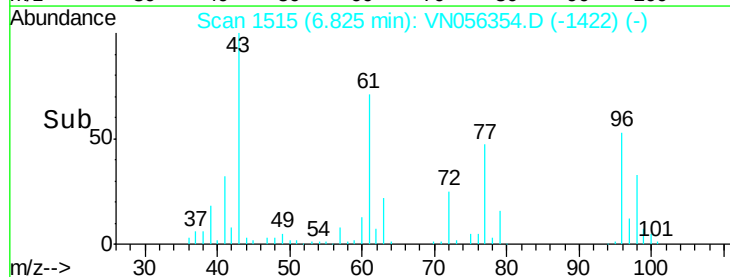
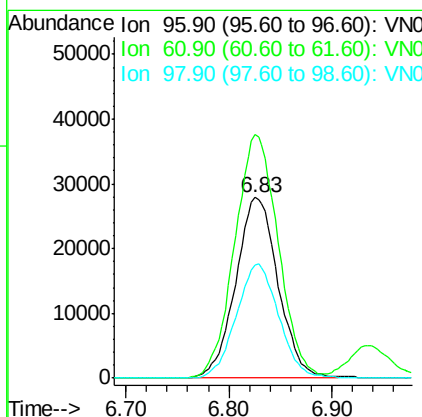
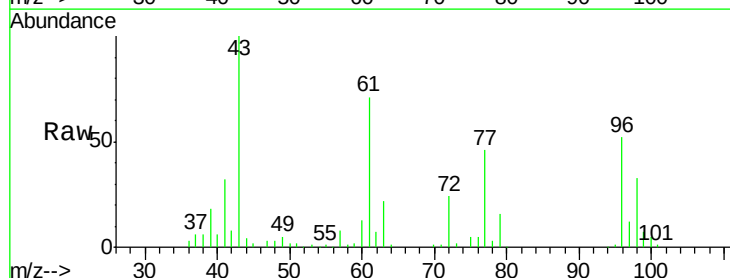
Manual Integrations
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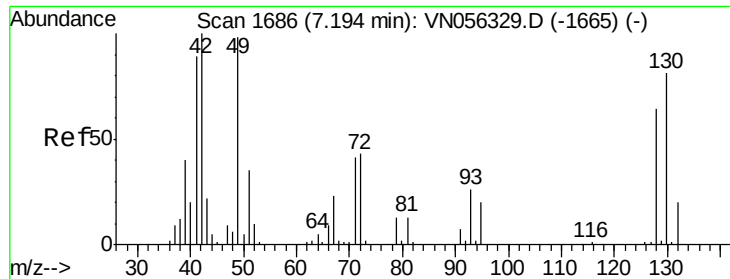
MMDadoda
 6/19/2019 12:20:05 PM



#27
 cis-1,2-Dichloroethene
 Concen: 19.774 ug/l
 RT: 6.83 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion: 96 Resp: 79654
 Ion Ratio Lower Upper
 96 100
 61 138.5 0.0 278.6
 98 63.1 0.0 127.0





#28

Bromochloromethane

Concen: 21.854 ug/l

RT: 7.20 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 49 Resp: 69164

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.4

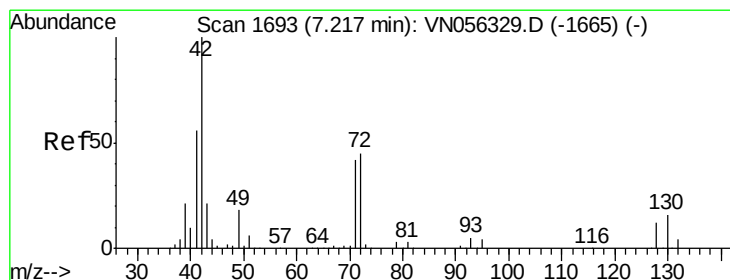
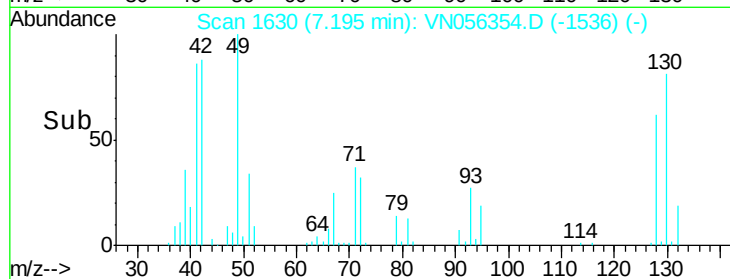
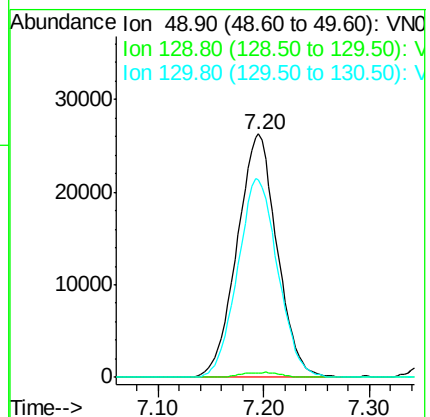
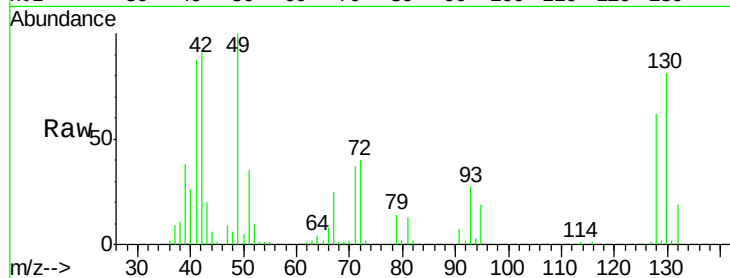
130 81.9 66.4 99.6

Manual Integrations

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#29

Tetrahydrofuran

Concen: 102.196 ug/l

RT: 7.22 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

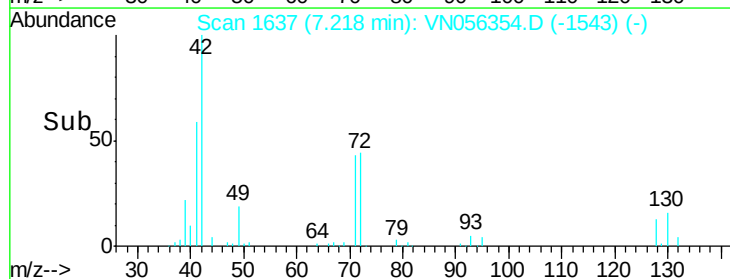
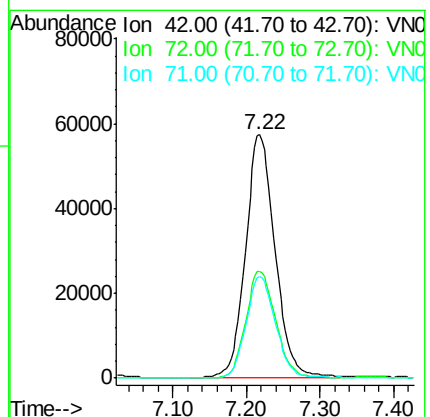
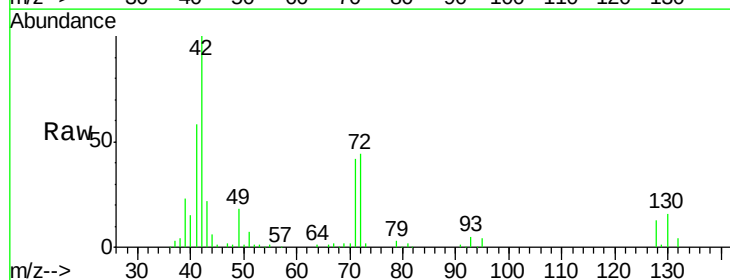
Tgt Ion: 42 Resp: 161071

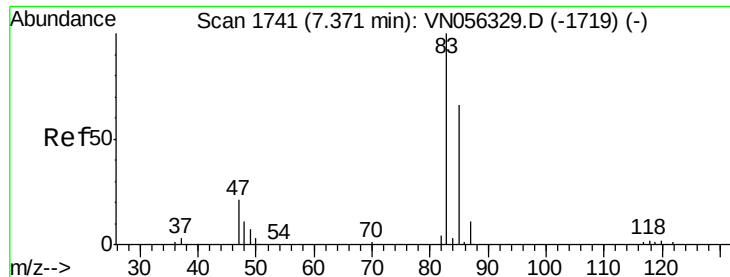
Ion Ratio Lower Upper

42 100

72 44.4 35.3 52.9

71 41.4 32.7 49.1





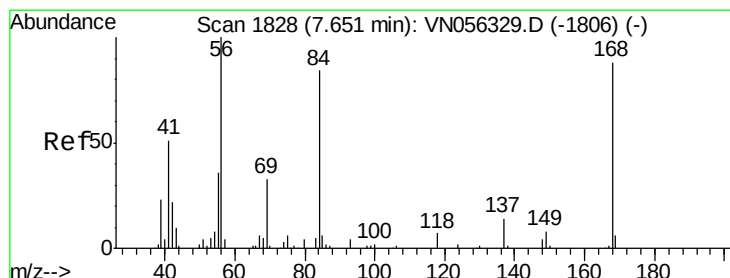
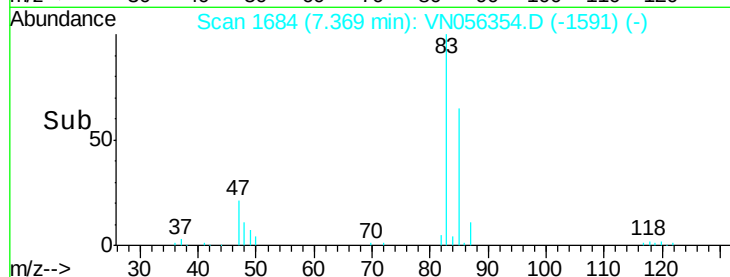
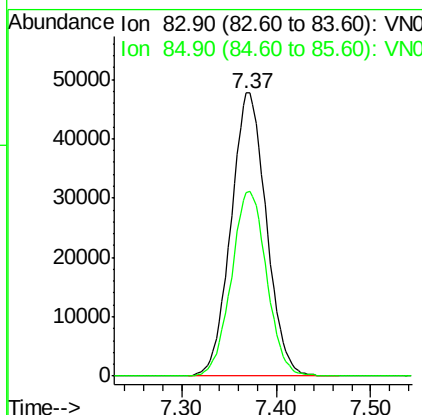
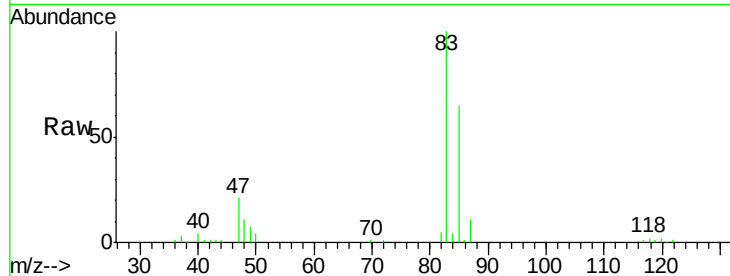
#30
Chloroform
Concen: 19.711 ug/l
RT: 7.37 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS01

Tot Ion	83	Resp	124087
Ion Ratio	100	Lower	Upper
85	64.9	52.6	78.8

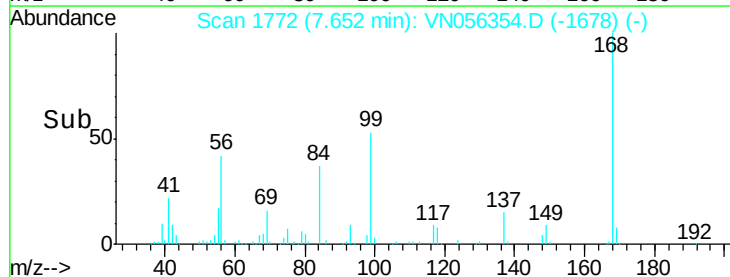
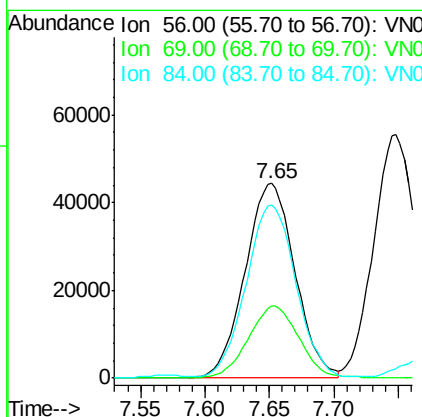
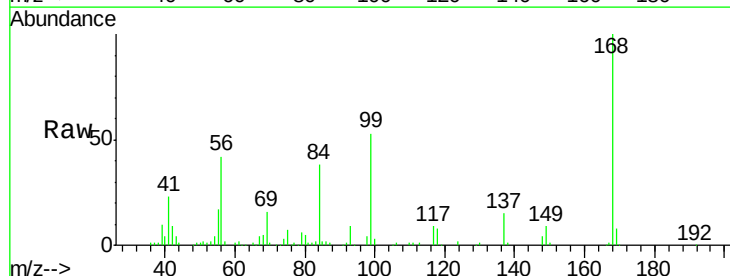
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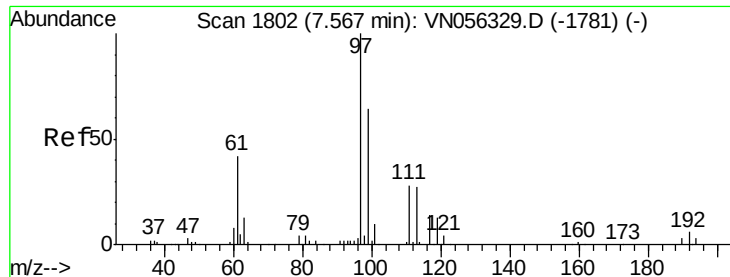
MMDadoda
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#31
Cyclohexane
Concen: 19.621 ug/l
RT: 7.65 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	56	Resp	119807
Ion Ratio	100	Lower	Upper
69	37.1	26.0	39.0
84	87.9	67.4	101.0





#32

1,1,1-Trichloroethane

Concen: 18.802 ug/l

RT: 7.57 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

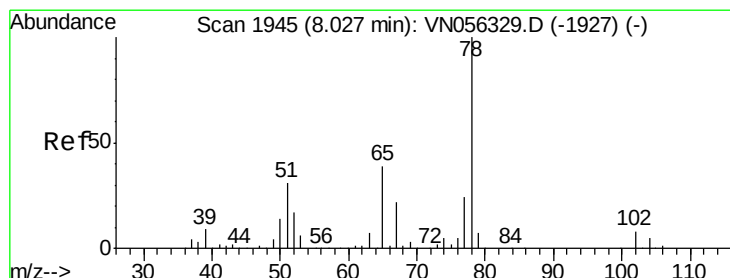
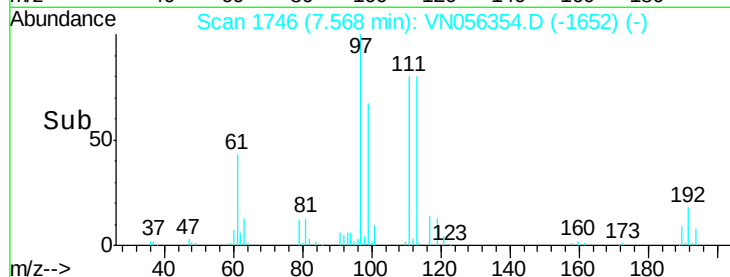
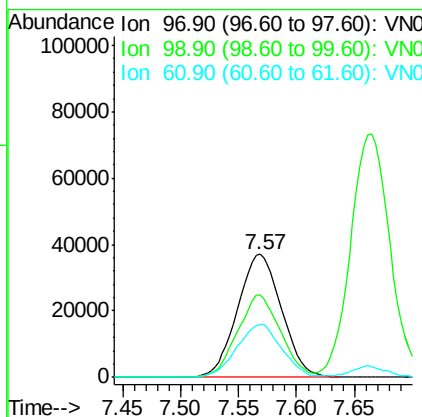
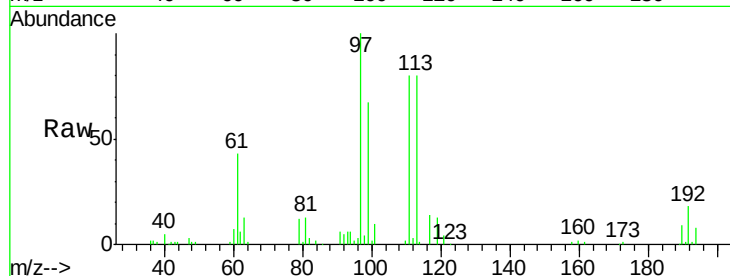
ClientSampleId :

VN0618WBS01

Tot Ion:	97	Resp:	98047
Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	43.7	34.4	51.6

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 51.616 ug/l

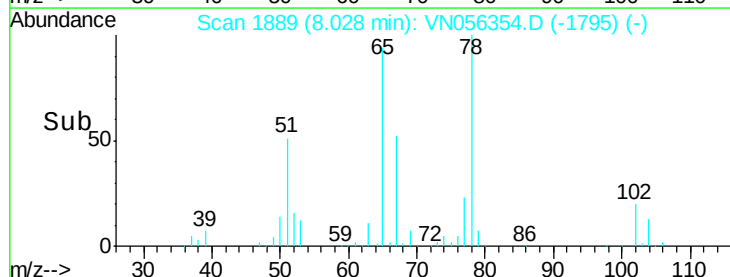
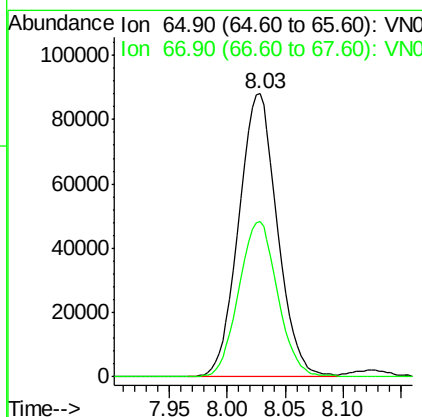
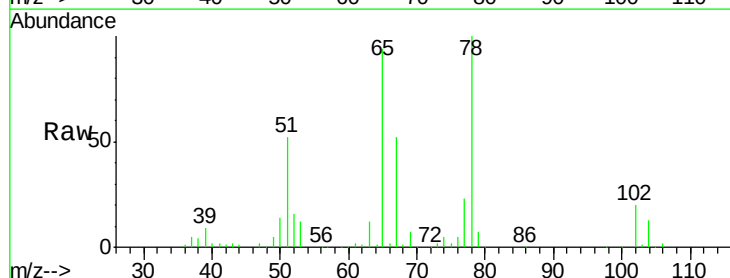
RT: 8.03 min Scan# 1889

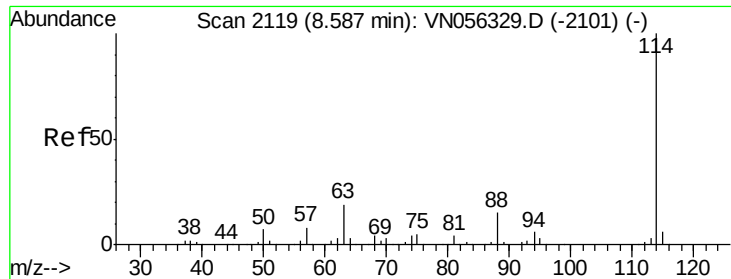
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion:	65	Resp:	204488
Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	110.8





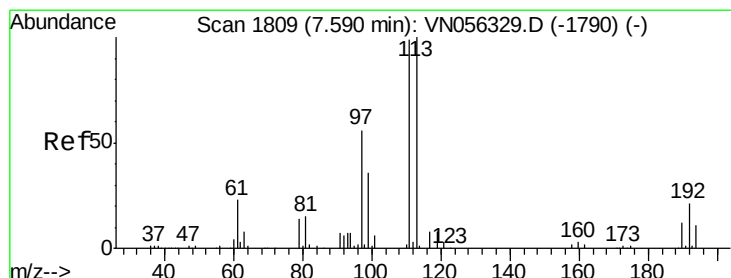
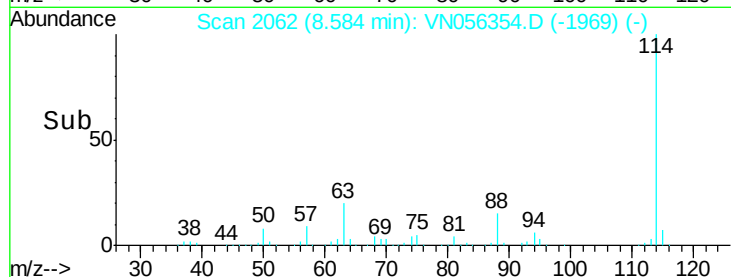
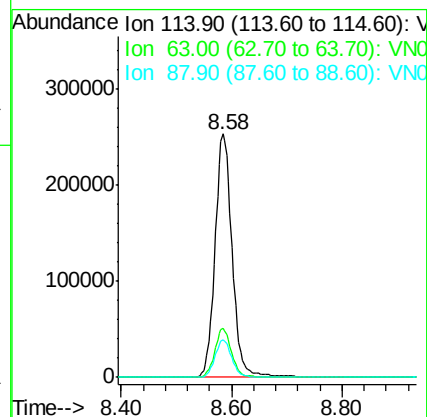
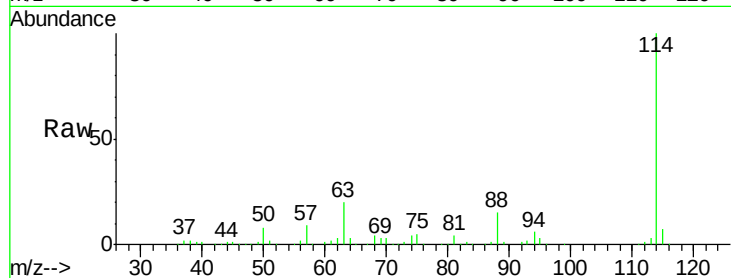
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2062
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
114	100	544450		
63	19.9	0.0	38.8	
88	15.3	0.0	30.6	

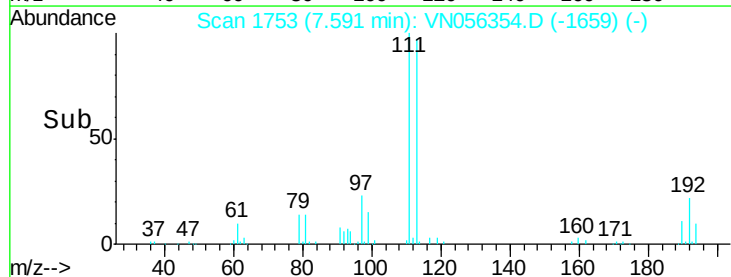
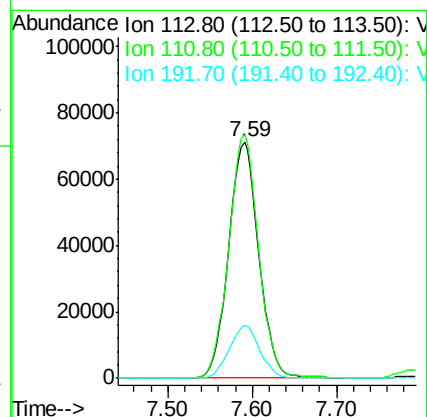
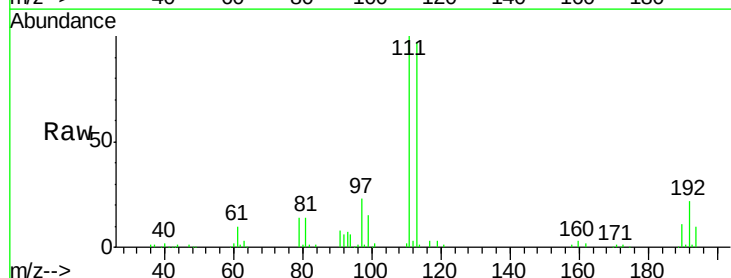
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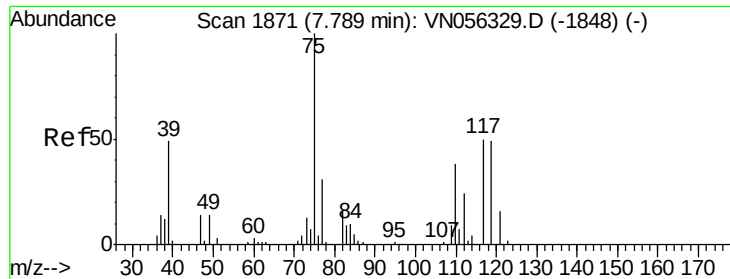
MMDadoda
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#35
 Dibromofluoromethane
 Concen: 50.681 ug/l
 RT: 7.59 min Scan# 1753
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	176951		
111	102.1	82.1	123.1	
192	22.4	17.6	26.4	





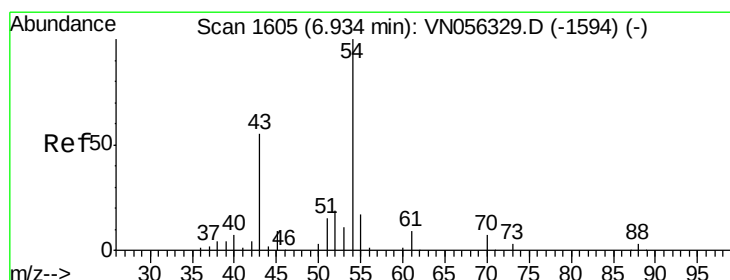
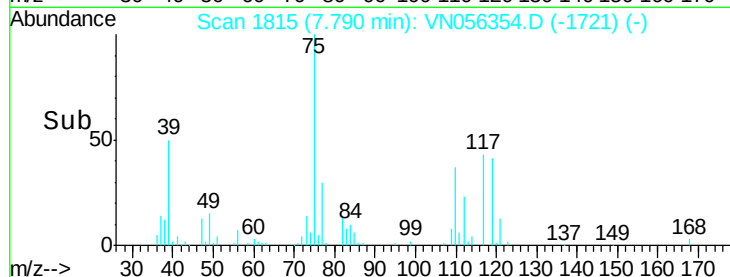
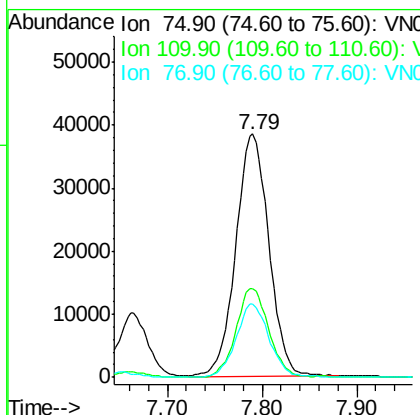
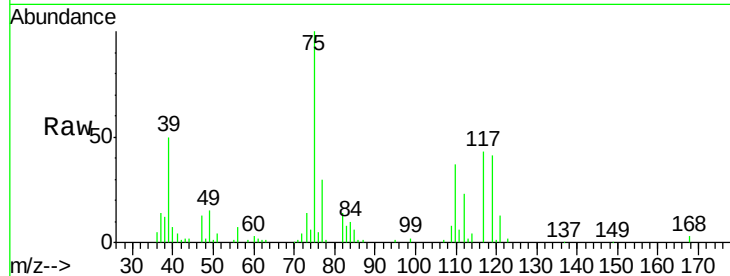
#36
 1,1-Dichloropropene
 Concen: 19.045 ug/l
 RT: 7.79 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.6	56.0
77	30.4	25.0	37.6

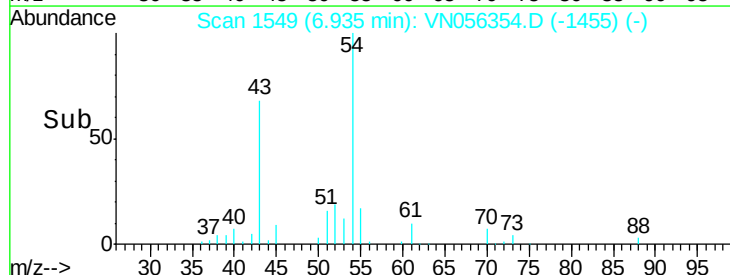
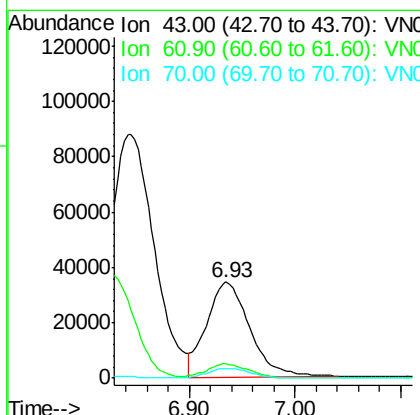
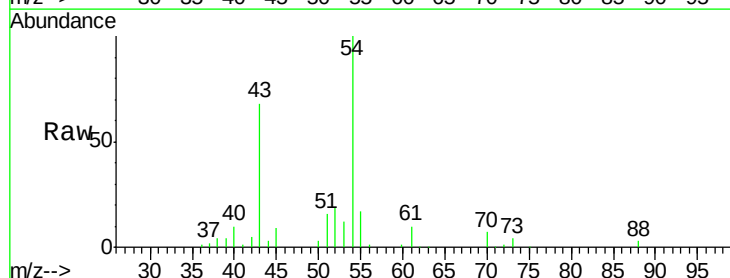
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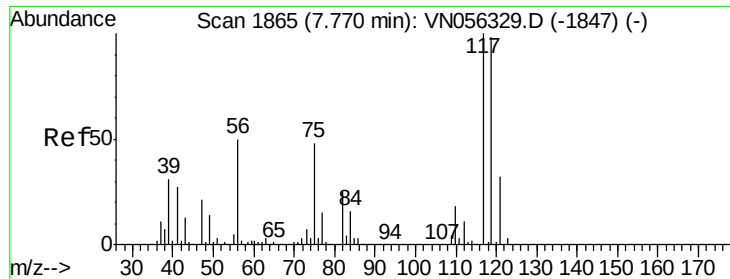
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#37
 Ethyl Acetate
 Concen: 20.914 ug/l
 RT: 6.93 min Scan# 1549
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.7	17.5
70	10.3	8.3	12.5





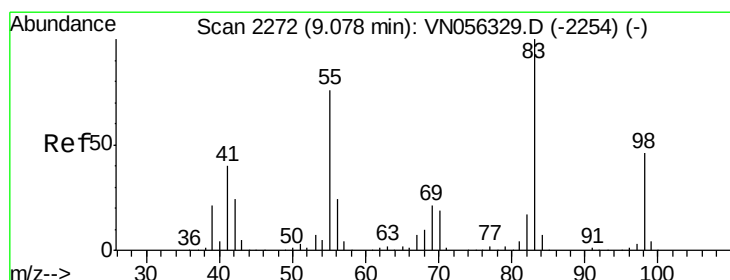
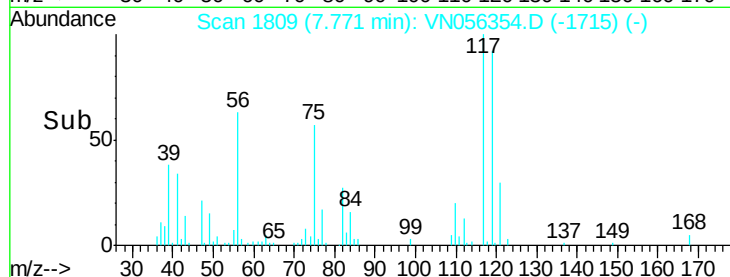
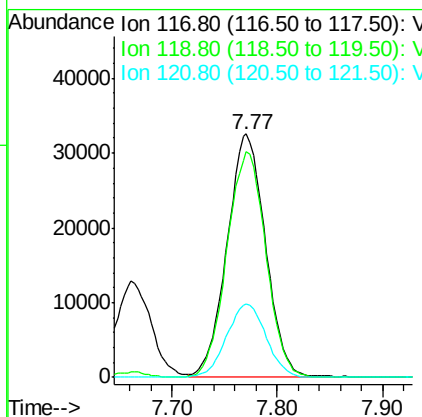
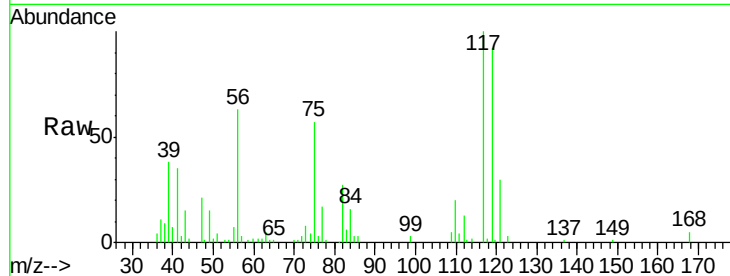
#38
Carbon Tetrachloride
Concen: 17.536 ug/l
RT: 7.77 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS01

Tot Ion:117 Resp: 82464
Ion Ratio Lower Upper
117 100
119 92.5 77.8 116.8
121 30.1 25.3 37.9

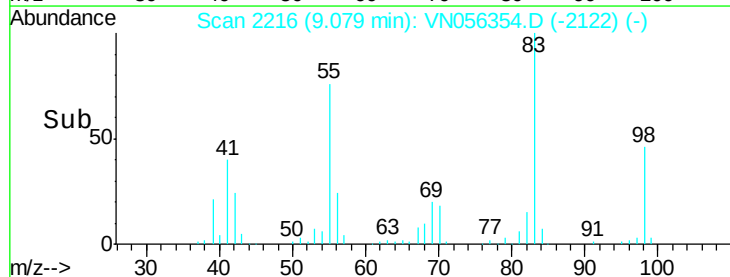
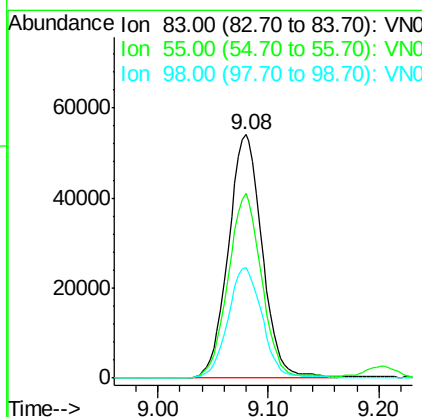
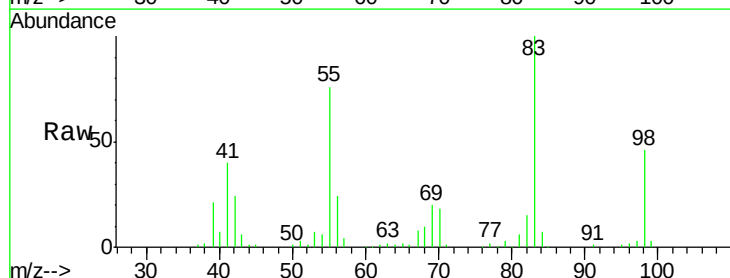
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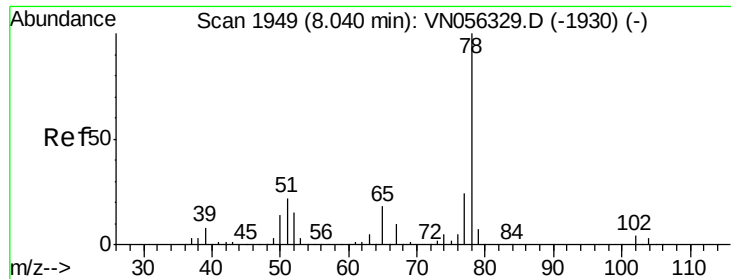
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#39
Methylcyclohexane
Concen: 19.269 ug/l
RT: 9.08 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 83 Resp: 115153
Ion Ratio Lower Upper
83 100
55 75.9 60.8 91.2
98 45.6 36.8 55.2





#40

Benzene

Concen: 19.917 ug/l

RT: 8.04 min Scan# 1892

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 78 Resp: 296017

Ion Ratio Lower Upper

78 100

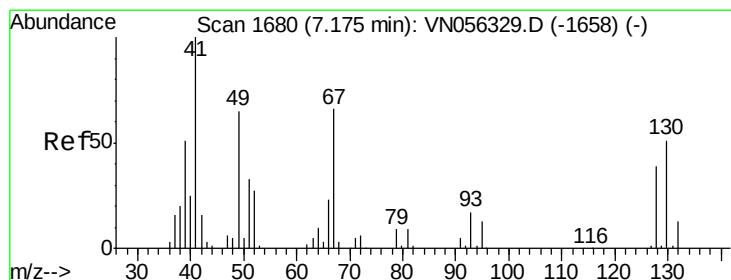
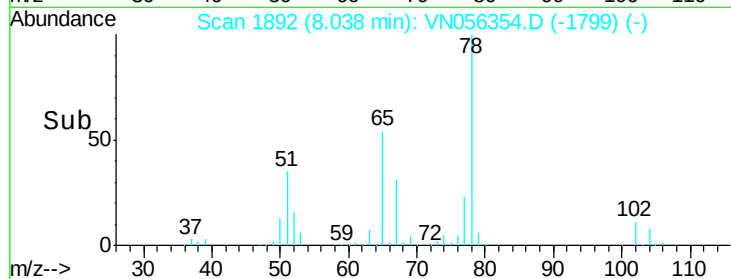
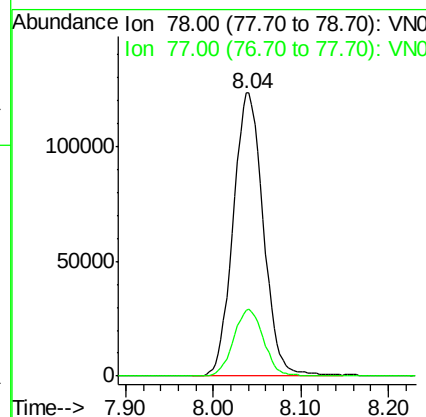
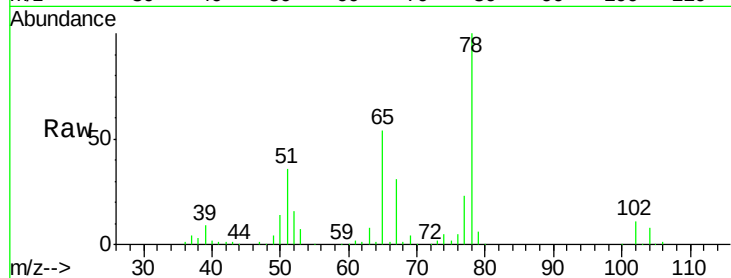
77 23.3 19.2 28.8

Manual Integrations

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#41

Methacrylonitrile

Concen: 16.699 ug/l m

RT: 7.18 min Scan# 1624

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion: 41 Resp: 35603

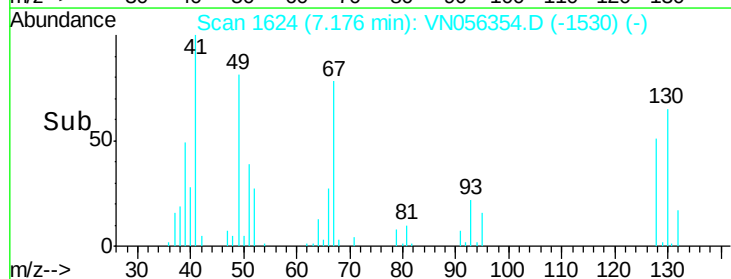
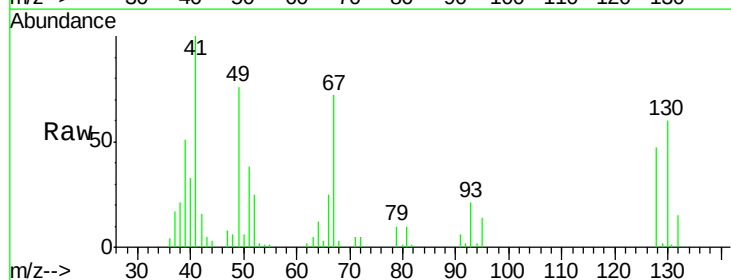
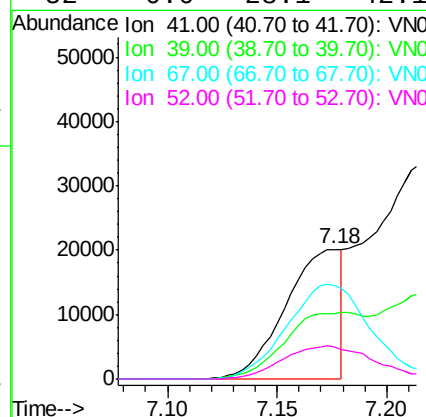
Ion Ratio Lower Upper

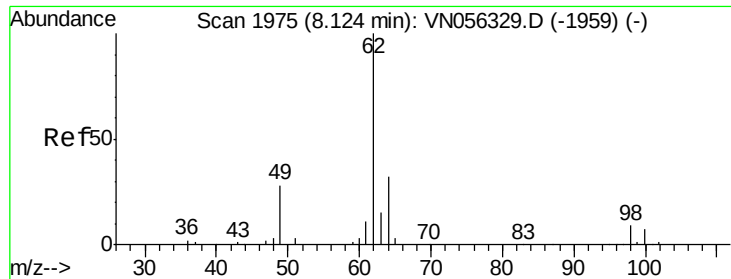
41 100

39 0.0 44.5 66.7#

67 0.0 69.0 103.4#

52 0.0 28.1 42.1#





#42

1,2-Dichloroethane

Concen: 20.068 ug/l

RT: 8.12 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 62 Resp: 97812

Ion Ratio Lower Upper

62 100

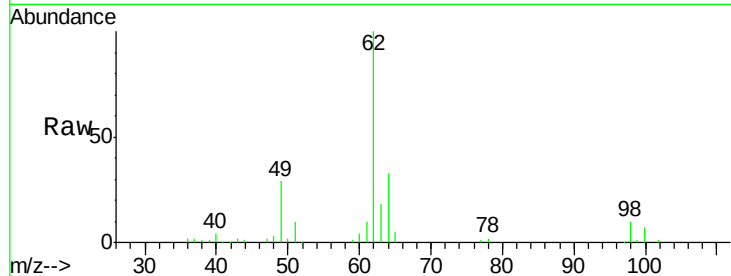
98 10.1 0.0 19.4

Manual Integrations

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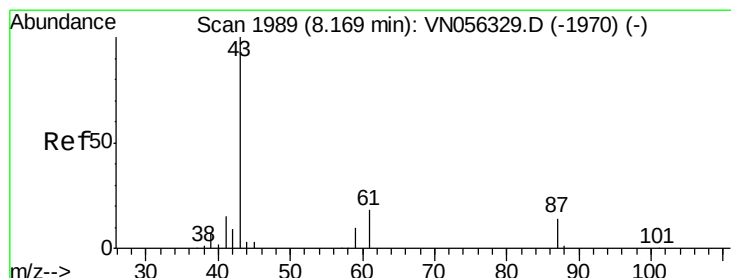
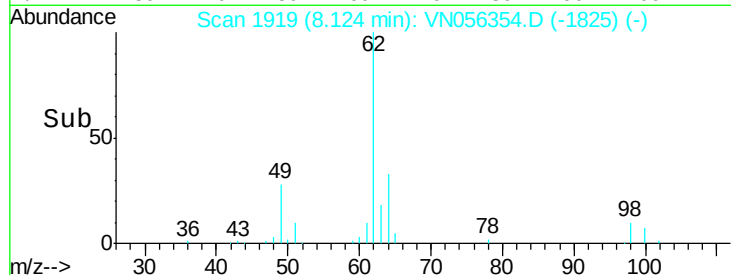
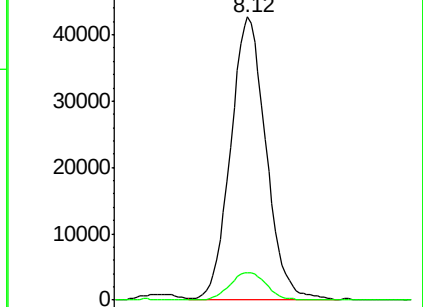
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#43

Isopropyl Acetate

Concen: 19.196 ug/l

RT: 8.17 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

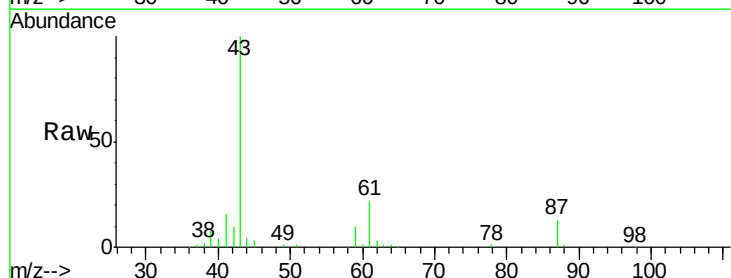
Tgt Ion: 43 Resp: 142571

Ion Ratio Lower Upper

43 100

61 28.4 16.6 25.0#

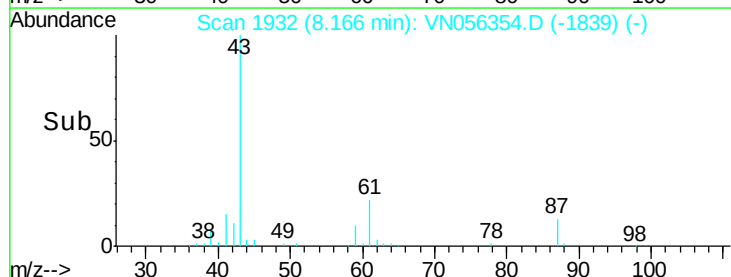
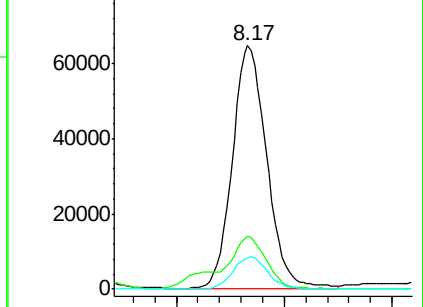
87 13.3 11.0 16.4

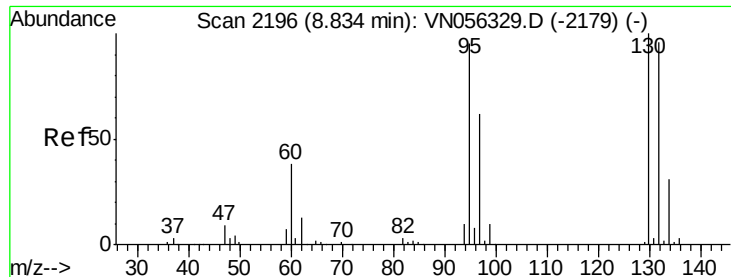


Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC





#44

Trichloroethene

Concen: 19.584 ug/l

RT: 8.83 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:130 Resp: 79151

Ion Ratio Lower Upper

130 100

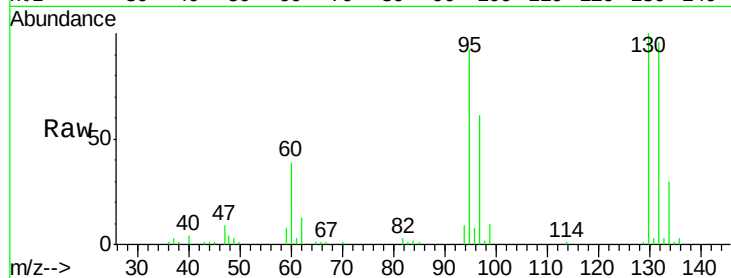
95 92.2 0.0 190.4

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

8.83

40000

30000

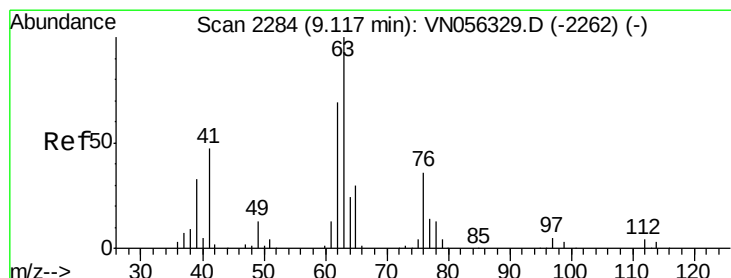
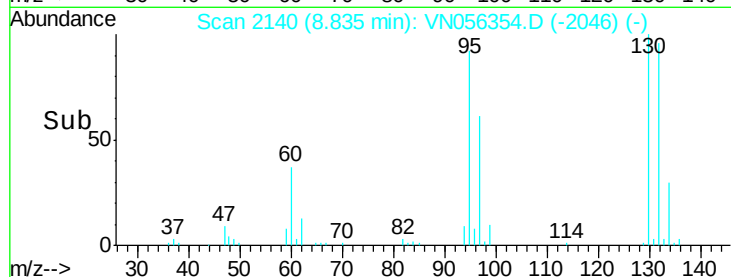
20000

10000

0

8.80 8.90

Time-->



#45

1,2-Dichloropropane

Concen: 19.818 ug/l

RT: 9.12 min Scan# 2228

Delta R.T. 0.00 min

Lab File: VN056354.D

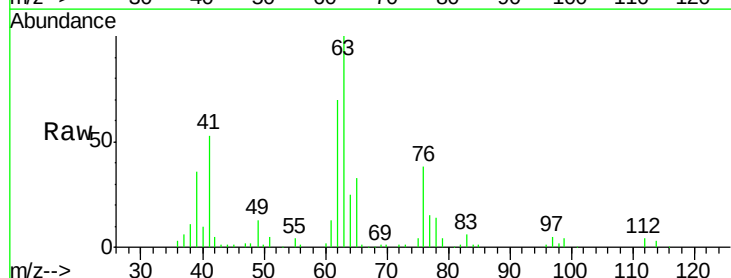
Acq: 18 Jun 2019 10:34

Tgt Ion: 63 Resp: 77842

Ion Ratio Lower Upper

63 100

65 32.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

40000

30000

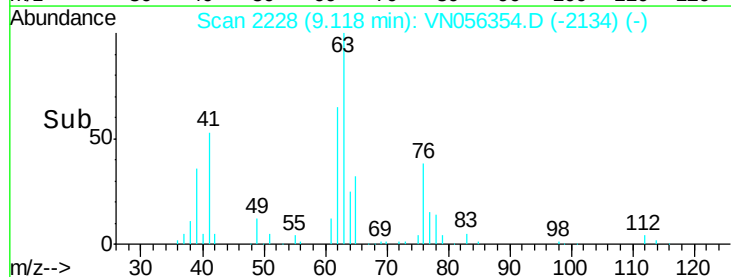
20000

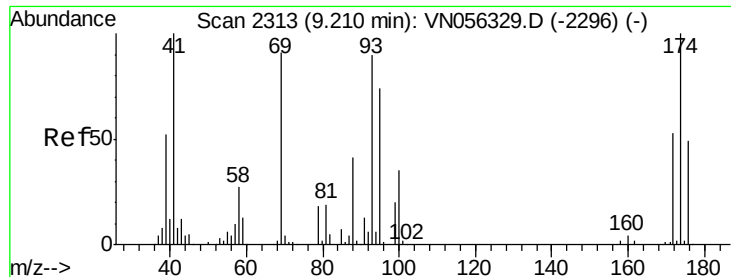
10000

0

9.00 9.10 9.20

Time-->





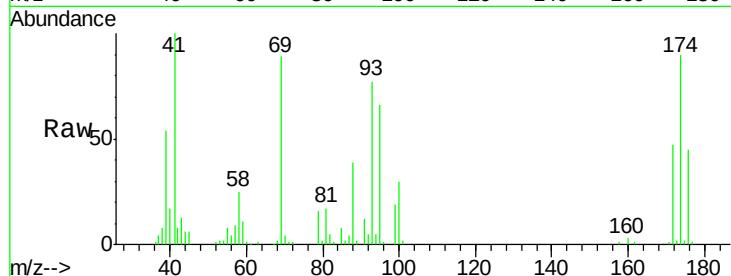
#46
Dibromomethane
Concen: 19.246 ug/l
RT: 9.21 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.2	100.8
174	113.7	90.3	135.5

Manual Integrations
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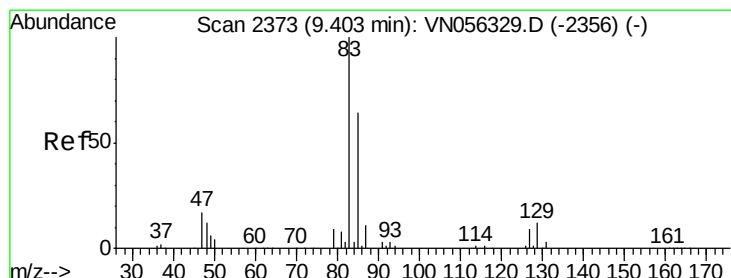
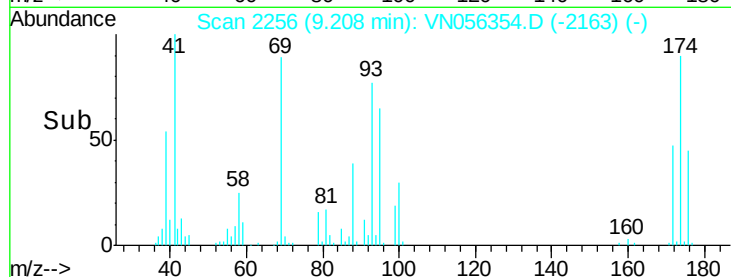
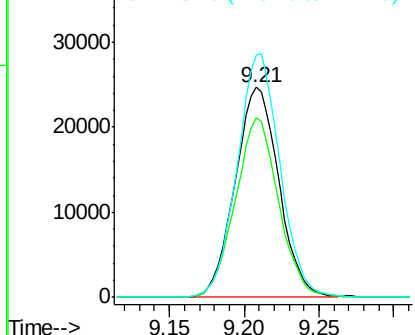


Abundance

Ion 92.80 (92.50 to 93.50): VNO

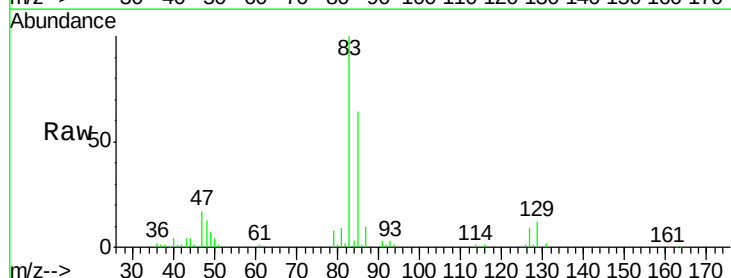
Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): V



#47
Bromodichloromethane
Concen: 17.474 ug/l
RT: 9.40 min Scan# 2317
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.1	76.7
127	9.4	7.1	10.7

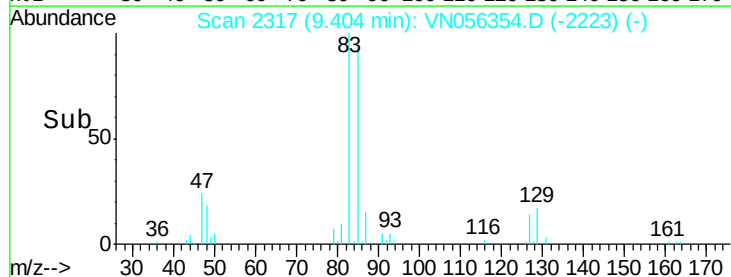
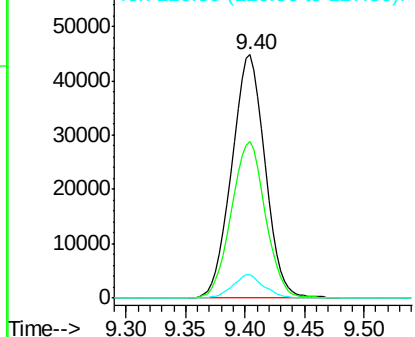


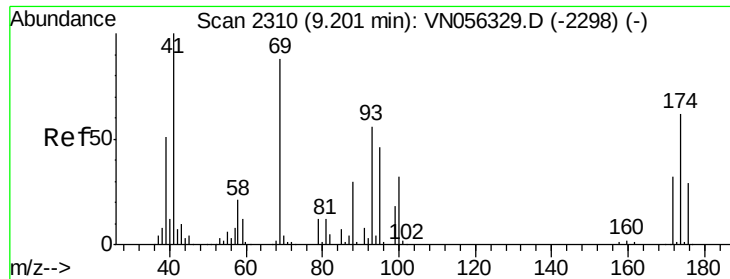
Abundance

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): V





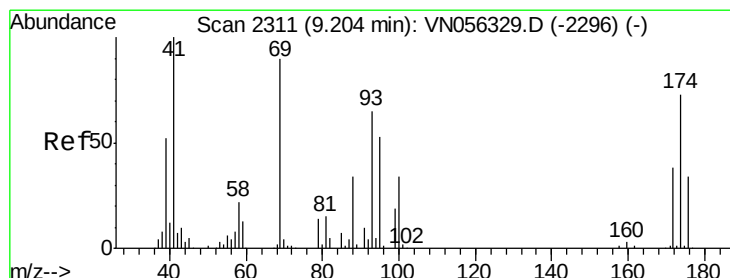
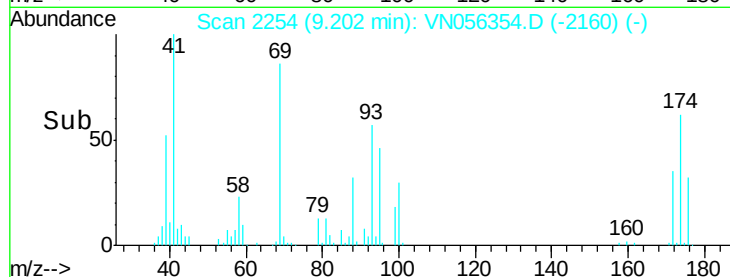
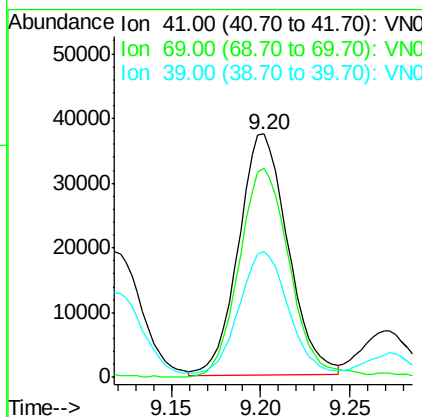
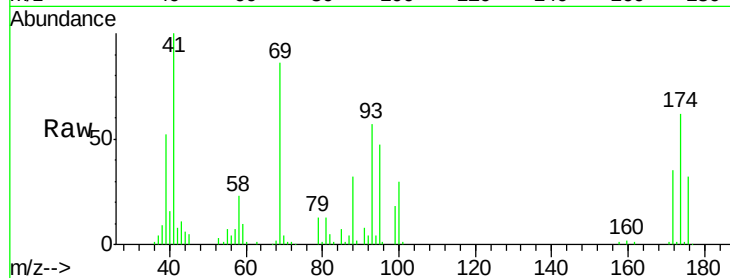
#48
Methvl methacrylate
Concen: 19.342 ug/l
RT: 9.20 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
69	88.1	71.0	106.6
39	53.4	41.7	62.5

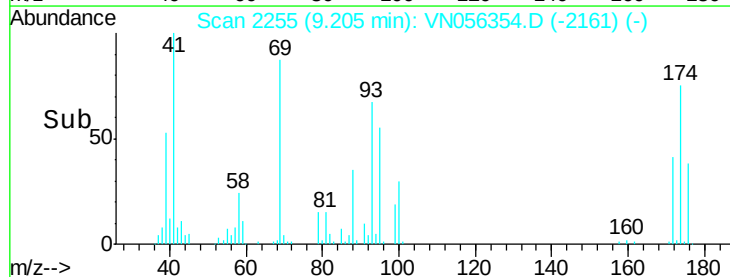
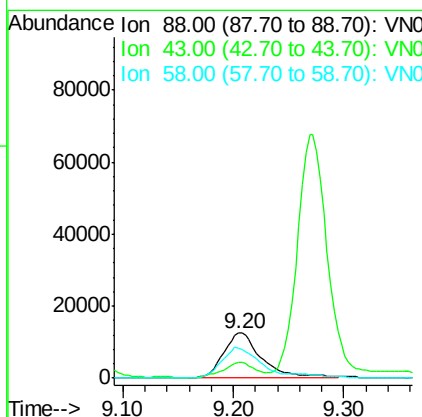
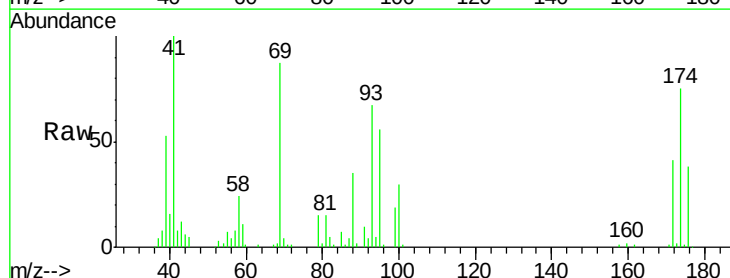
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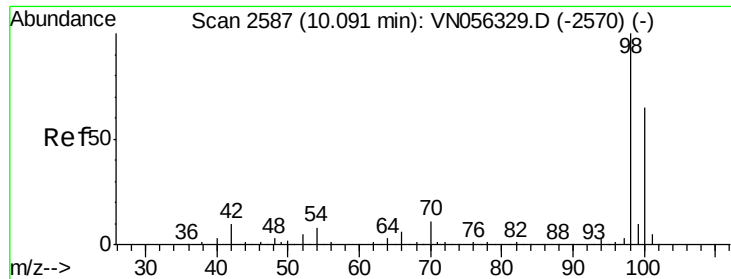
MMDadoda
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#49
1,4-Dioxane
Concen: 401.853 ug/l
RT: 9.20 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.6	21.9	32.9
58	73.6	57.3	85.9





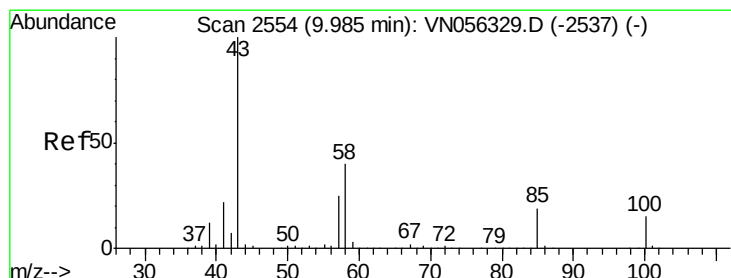
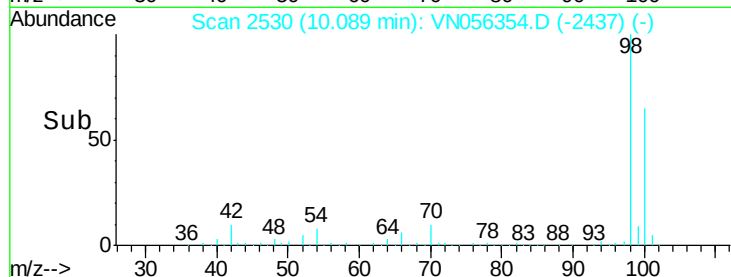
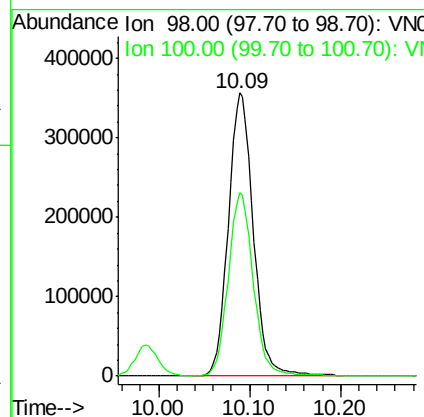
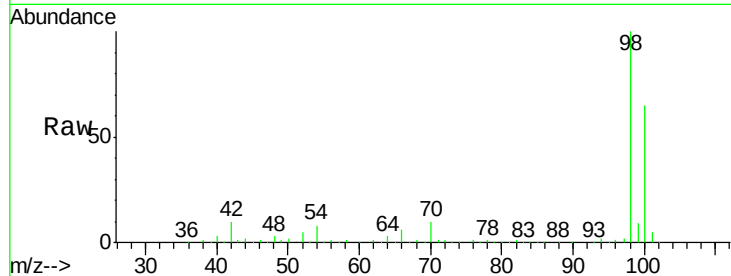
#50
Toluene-d8
Concen: 51.004 ug/l
RT: 10.09 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS01

Tot Ion: 98 Resp: 680310
Ion Ratio Lower Upper
98 100
100 65.4 51.6 77.4

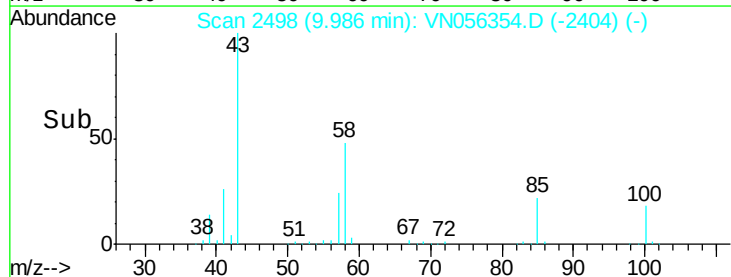
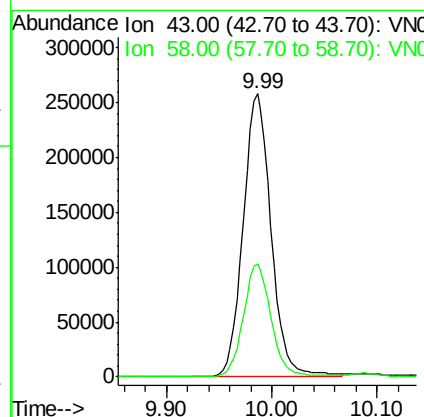
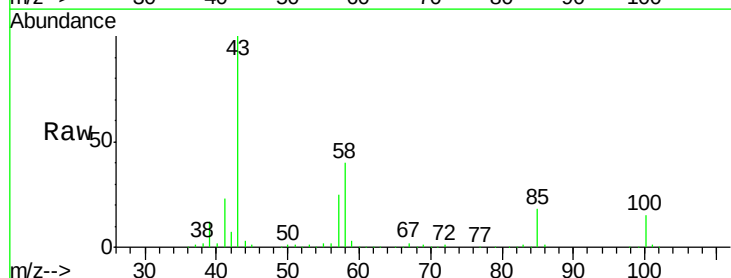
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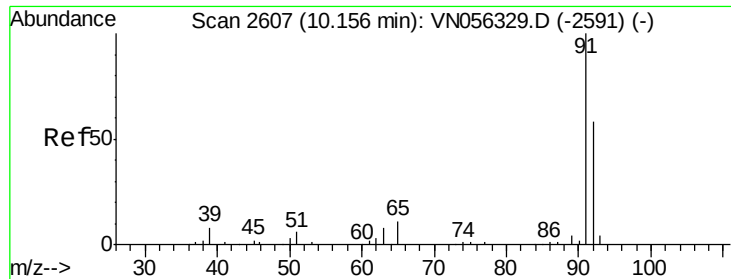
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 100.090 ug/l
RT: 9.99 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 473796
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6





#52

Toluene

Concen: 20.020 ug/l

RT: 10.15 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 92 Resp: 181614

Ion Ratio Lower Upper

92 100

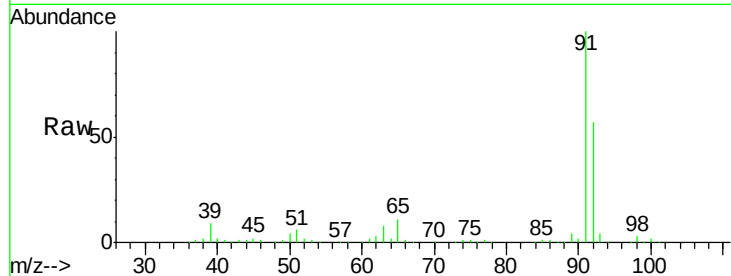
91 176.1 139.1 208.7

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

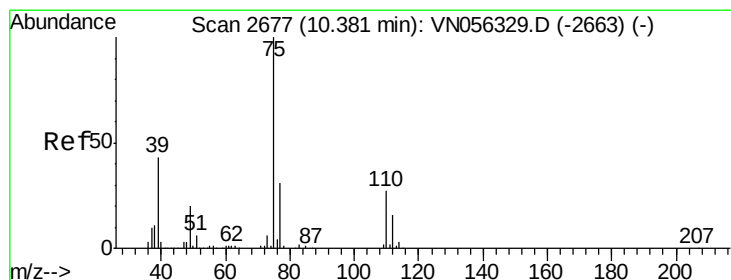
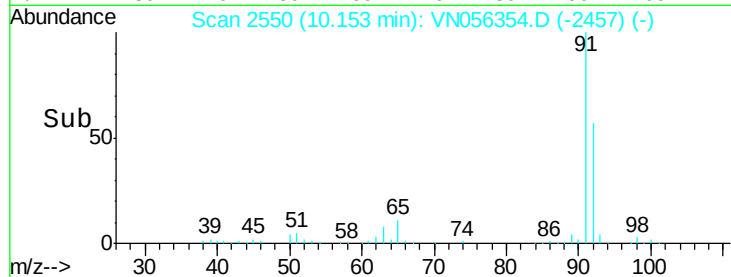
150000

10.15

100000

50000

Time-->



#53

t-1,3-Dichloropropene

Concen: 16.958 ug/l

RT: 10.38 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VN056354.D

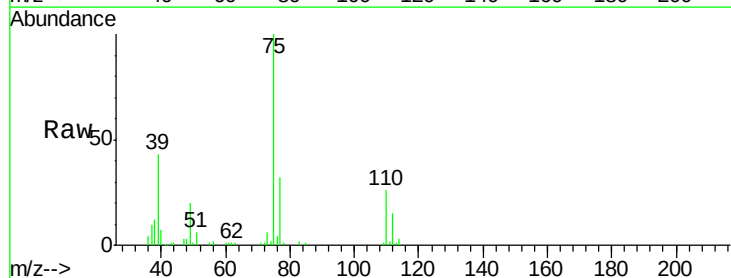
Acq: 18 Jun 2019 10:34

Tgt Ion: 75 Resp: 83967

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

50000

10.38

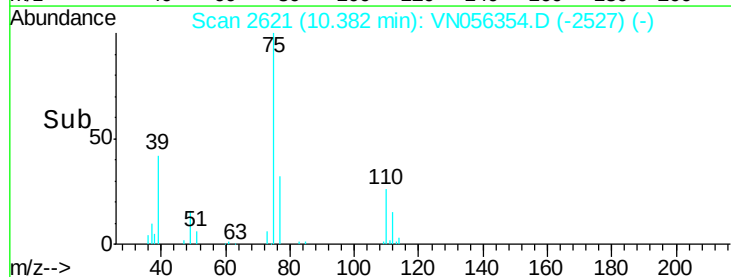
40000

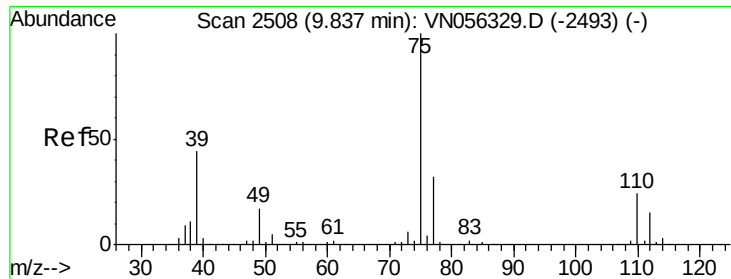
30000

20000

10000

Time-->





#54

cis-1,3-Dichloropropene

Concen: 17.898 ug/l

RT: 9.84 min Scan# 2452

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

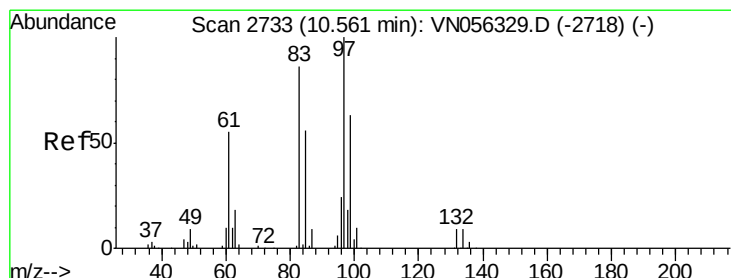
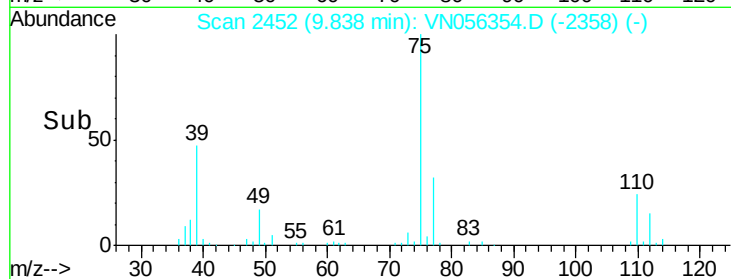
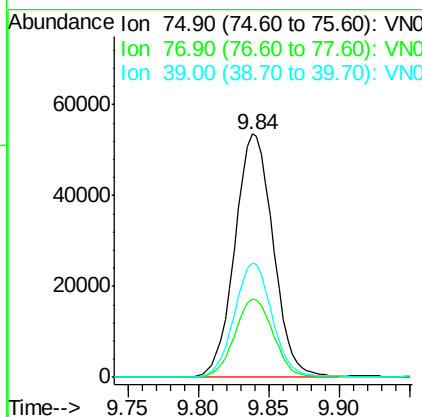
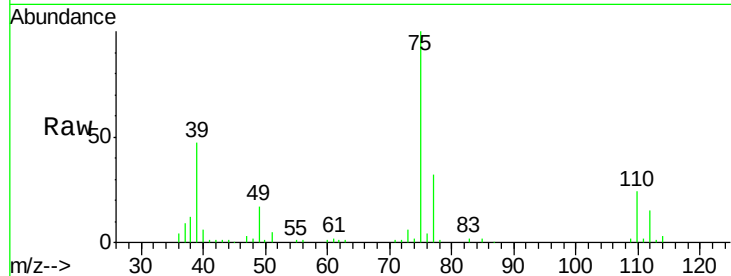
ClientSampled :

VN0618WBS01

Tot Ion:	75	Resp:	102221
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.7	38.5
39	47.1	35.4	53.0

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 19.108 ug/l

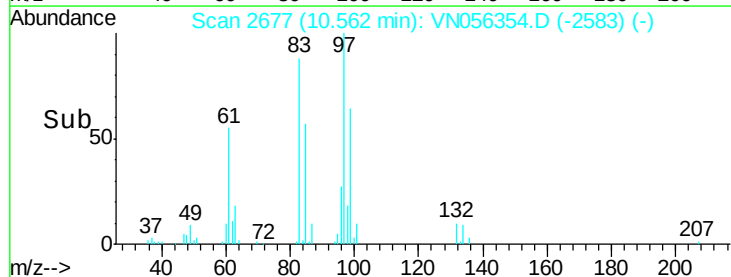
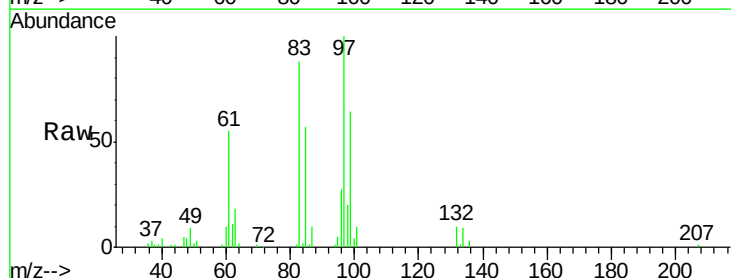
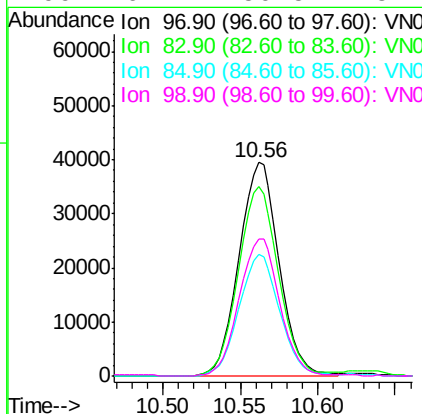
RT: 10.56 min Scan# 2677

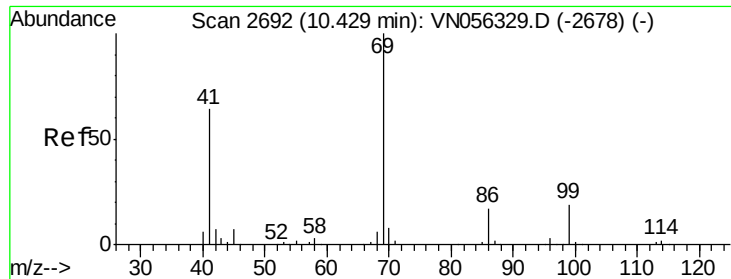
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion:	97	Resp:	71239
Ion Ratio	Lower	Upper	
97	100		
83	88.5	69.0	103.4
85	57.0	44.6	67.0
99	64.2	50.5	75.7





#56

Ethyl methacrylate

Concen: 19.752 ug/l

RT: 10.43 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

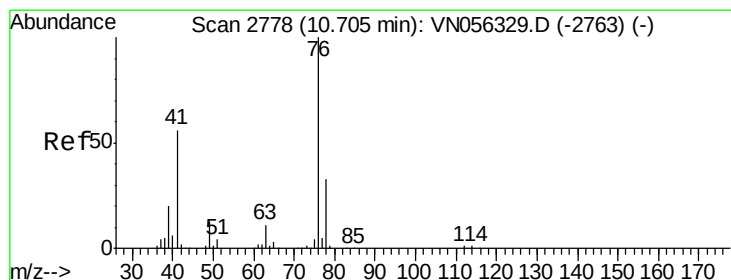
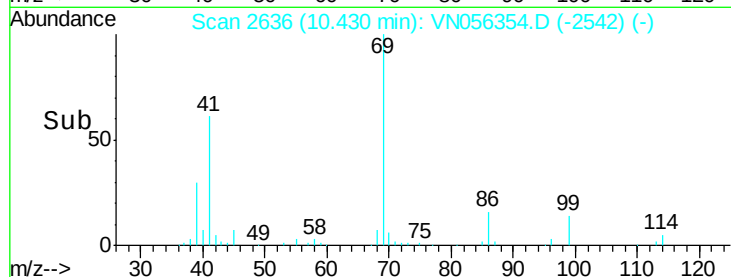
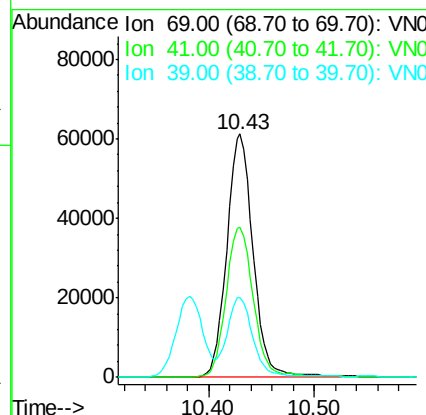
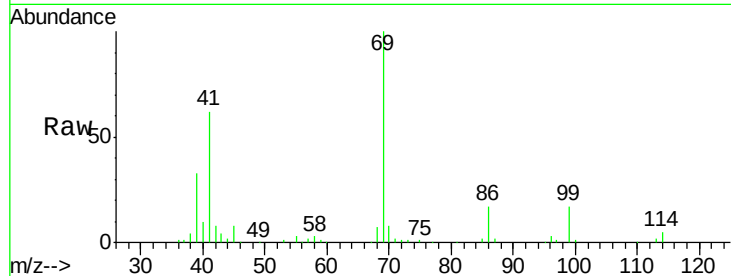
ClientSampled :

VN0618WBS01

Tot Ion:	69	Resp:	105905
Ion Ratio	Lower	Upper	
69	100		
41	62.7	52.0	78.0
39	30.6	24.4	36.6

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 19.629 ug/l

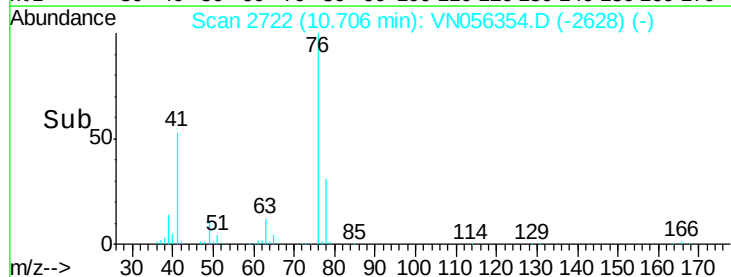
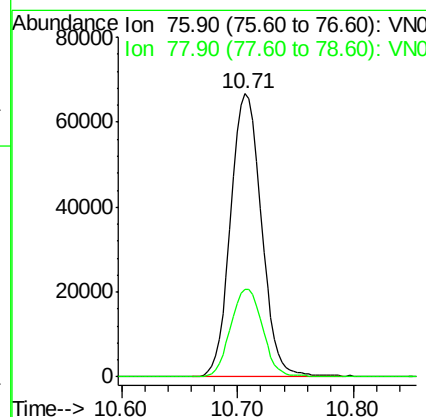
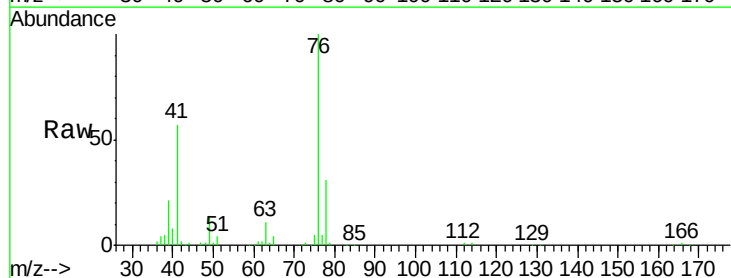
RT: 10.71 min Scan# 2722

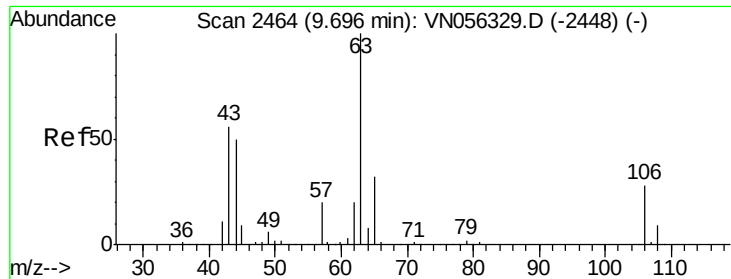
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion:	76	Resp:	123265
Ion Ratio	Lower	Upper	
76	100		
78	31.9	26.2	39.2





#58

2-Chloroethyl Vinyl ether

Concen: 108.082 ug/l

RT: 9.69 min Scan# 2407

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 63 Resp: 197470

Ion Ratio Lower Upper

63 100

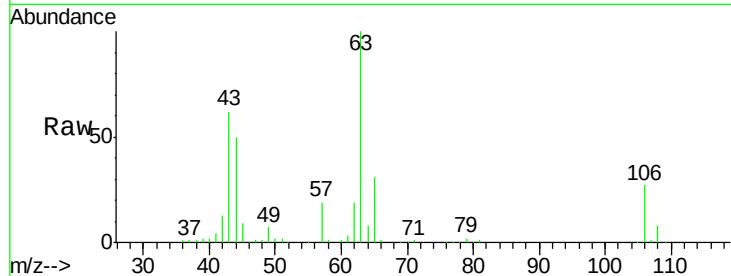
106 26.7 22.2 33.2

Manual Integrations

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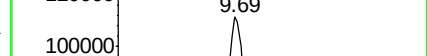
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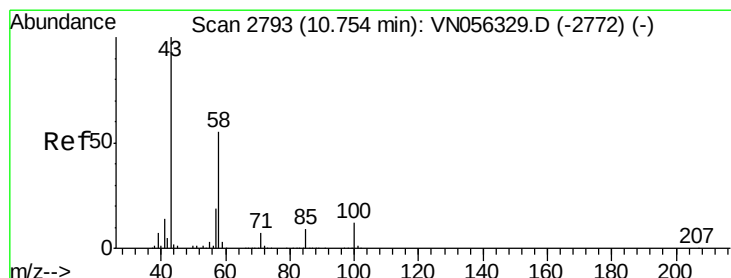
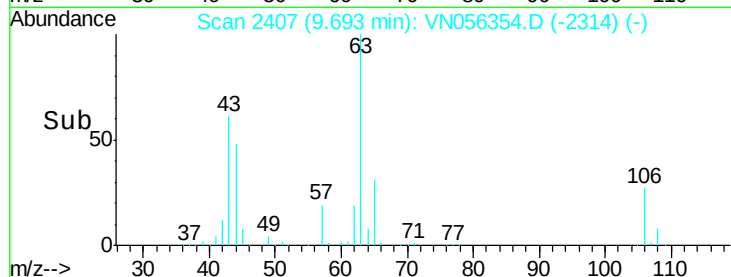


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time-->



#59

2-Hexanone

Concen: 98.076 ug/l

RT: 10.75 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VN056354.D

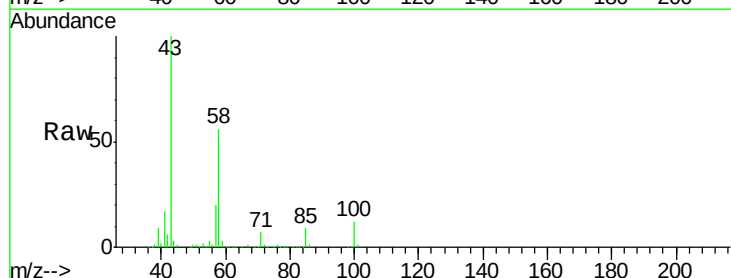
Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 344316

Ion Ratio Lower Upper

43 100

58 55.5 27.8 83.4

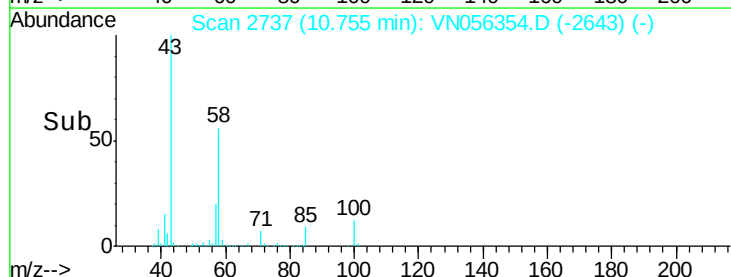


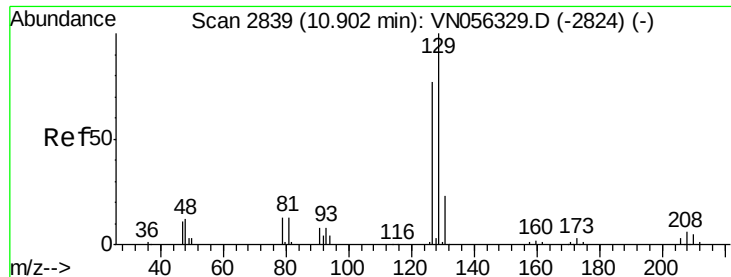
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#60

Dibromochloromethane

Concen: 17.024 ug/l

RT: 10.90 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:129 Resp: 66568

Ion Ratio Lower Upper

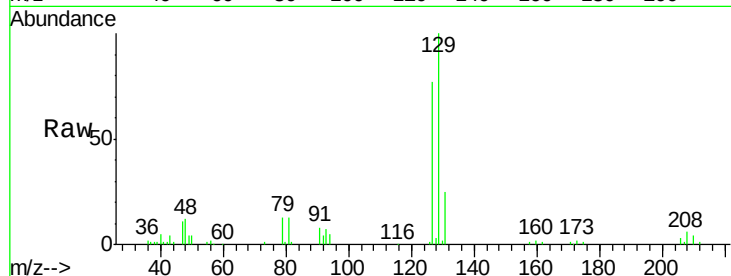
129 100

127 76.2 38.6 116.0

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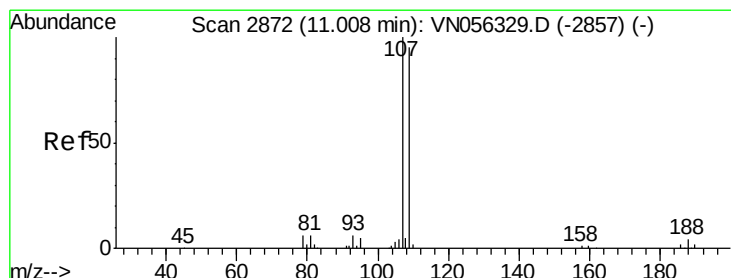
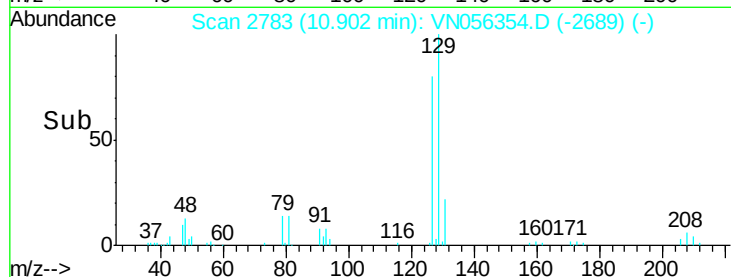
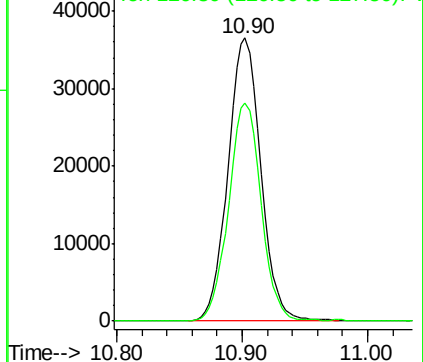
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 19.587 ug/l

RT: 11.01 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VN056354.D

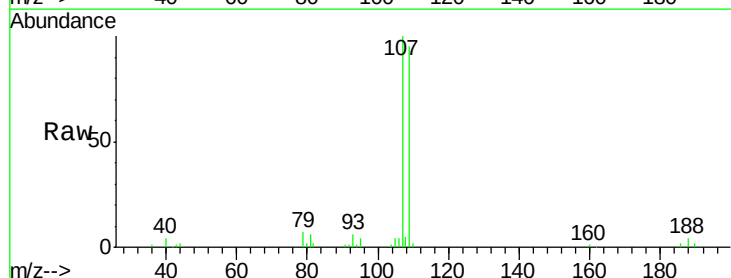
Acq: 18 Jun 2019 10:34

Tgt Ion:107 Resp: 75065

Ion Ratio Lower Upper

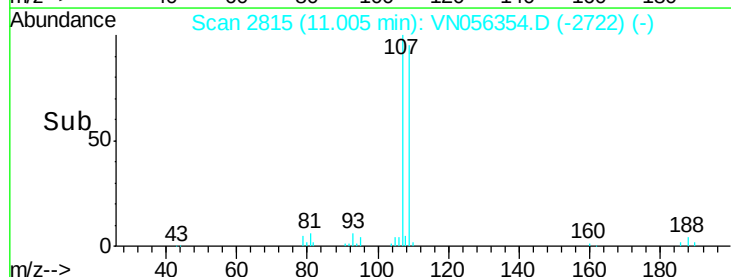
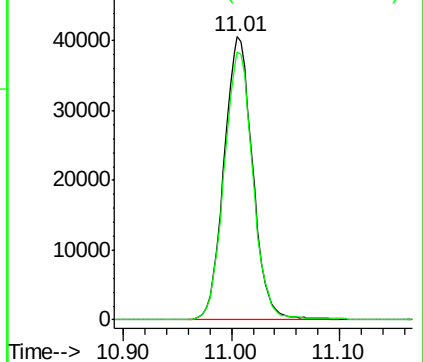
107 100

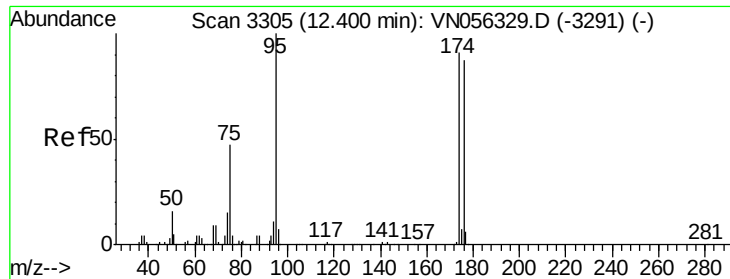
109 95.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





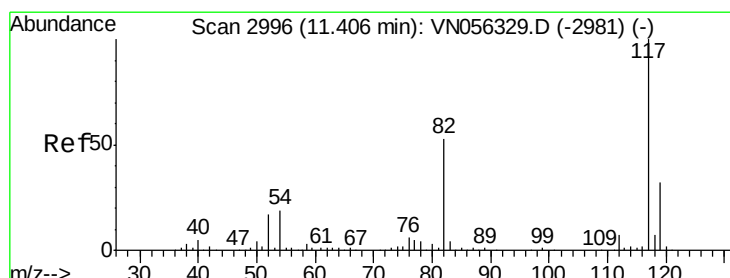
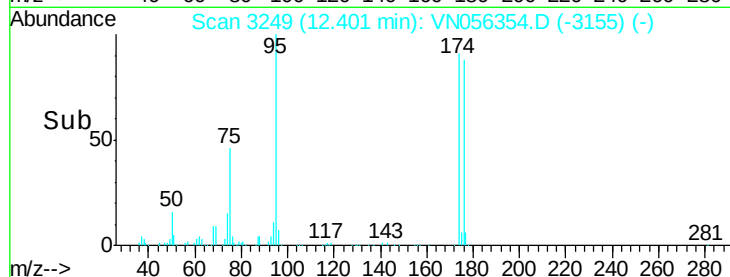
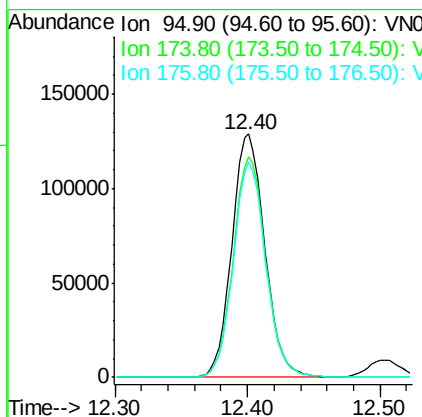
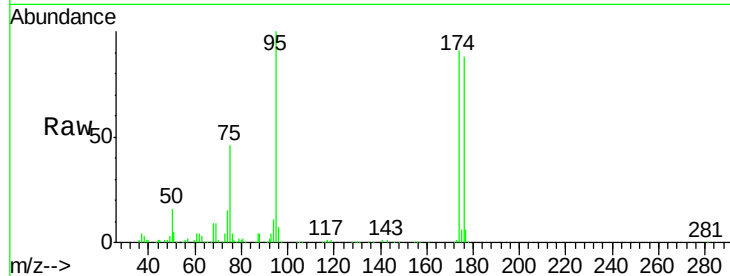
#62
4-Bromofluorobenzene
Concen: 50.291 ug/l
RT: 12.40 min Scan# 3249
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	222281		
174	90.2	0.0	182.6	
176	87.0	0.0	176.8	

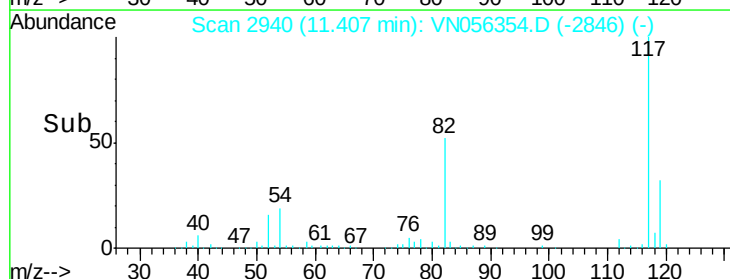
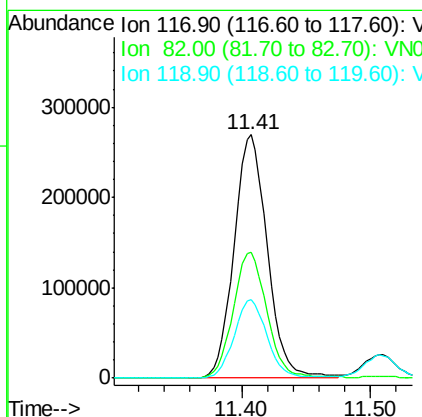
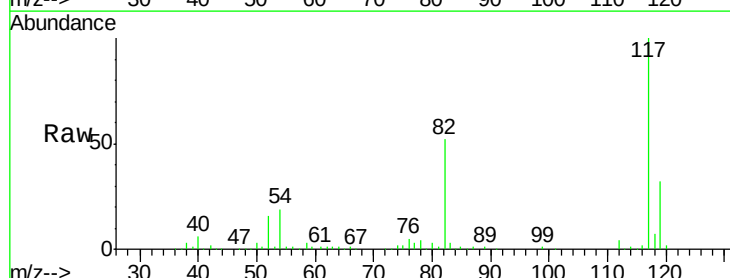
Manual Integrations
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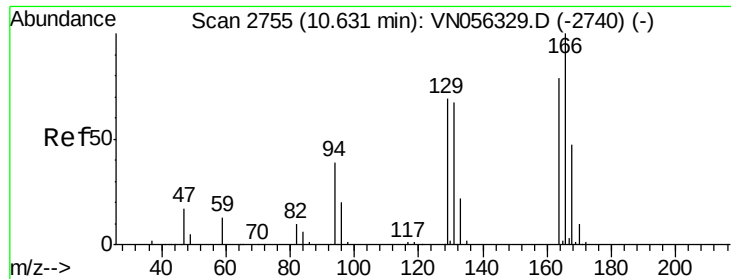
MMDadoda
6/19/2019 12:20:05 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2940
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	484154		
82	51.5	42.4	63.6	
119	32.3	26.0	39.0	





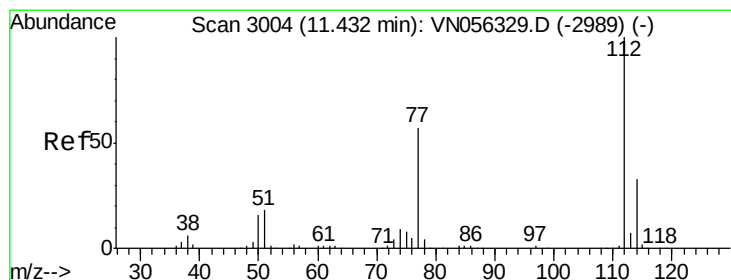
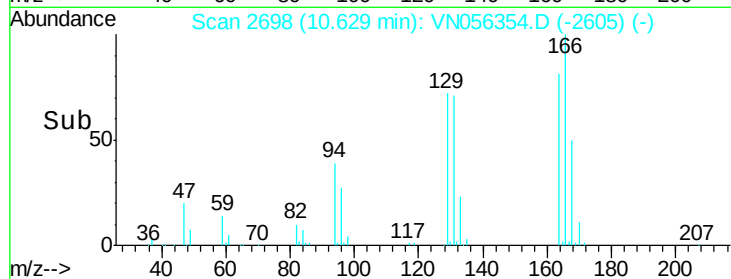
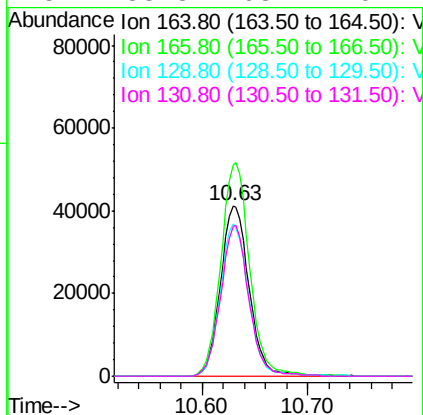
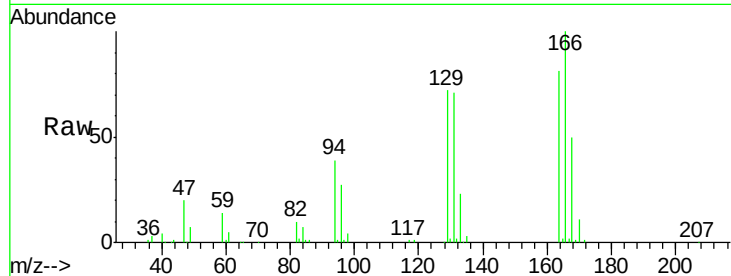
#64
Tetrachloroethene
Concen: 19.463 ug/l
RT: 10.63 min Scan# 2698
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	123.7	101.8	152.6
129	89.3	70.3	105.5
131	88.3	68.2	102.4

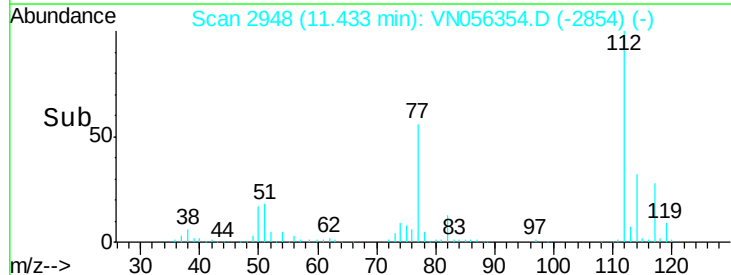
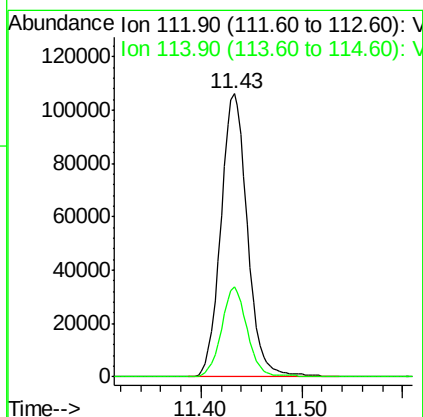
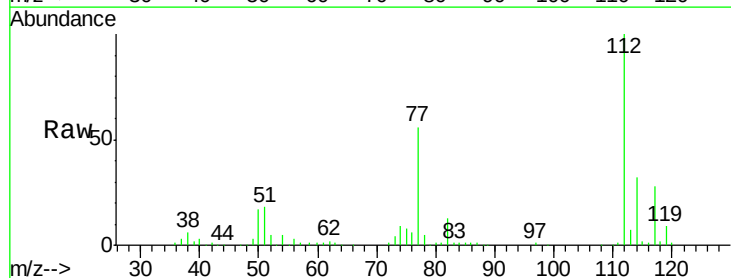
Manual Integrations
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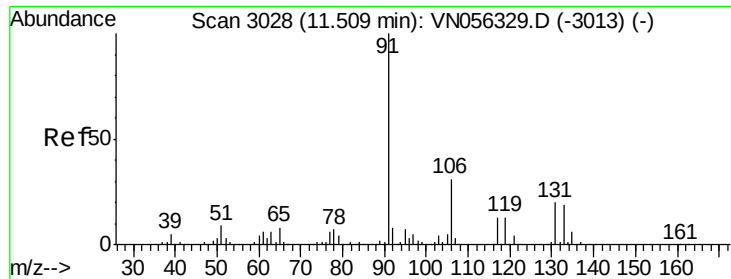
MMDadoda
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#65
Chlorobenzene
Concen: 19.900 ug/l
RT: 11.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	26.1	39.1





#66

1,1,1,2-Tetrachloroethane

Concen: 17.726 ug/l

RT: 11.51 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

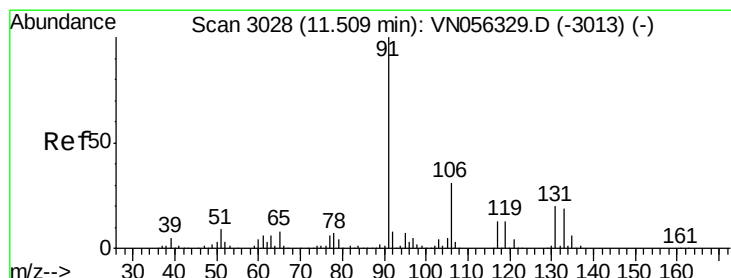
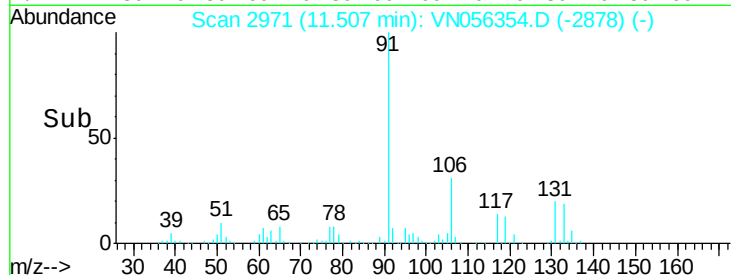
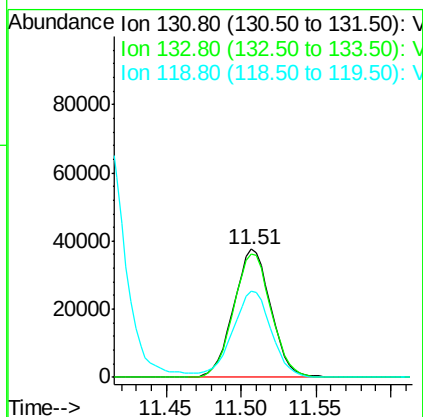
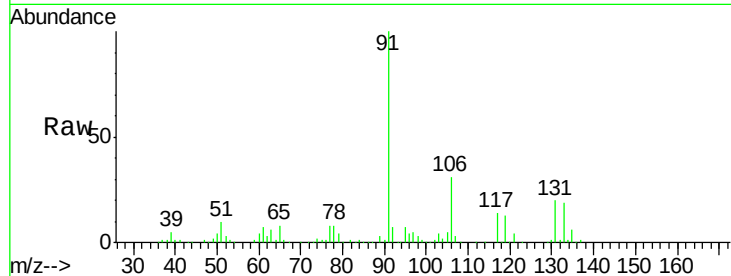
ClientSampleId :

VN0618WBS01

Tot Ion	131	Resp	65046
Ion Ratio	Lower	Upper	
131	100		
133	97.7	47.9	143.7
119	70.0	33.5	100.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 19.850 ug/l

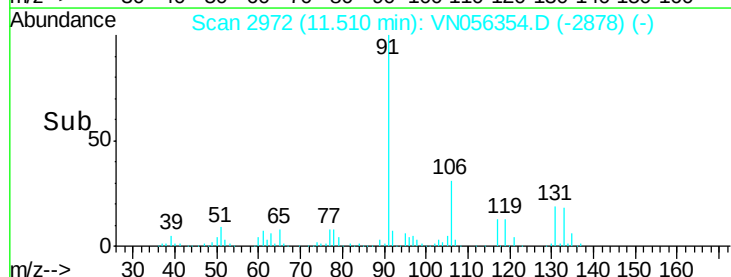
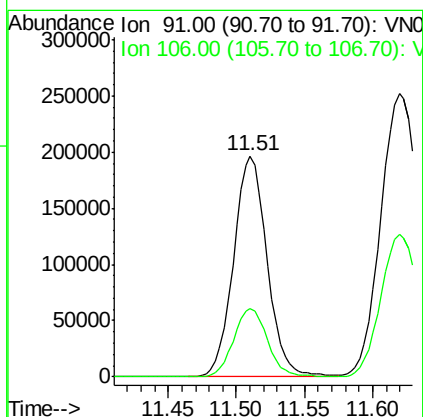
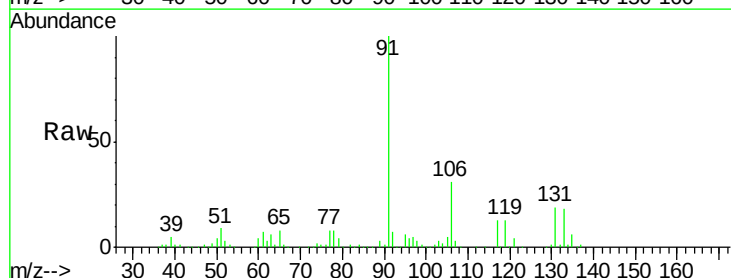
RT: 11.51 min Scan# 2972

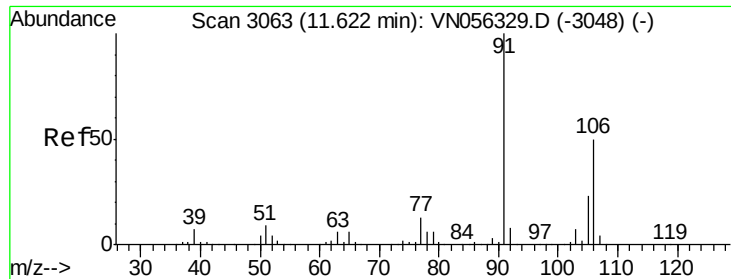
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion	91	Resp	335848
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.0	37.6





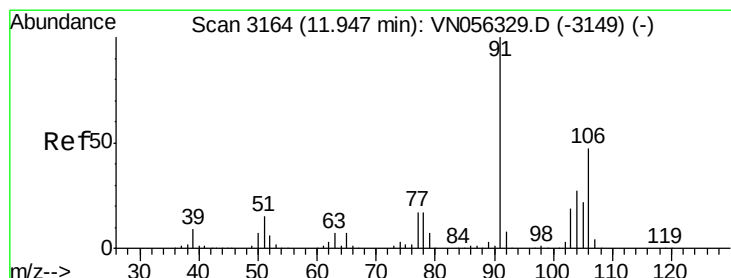
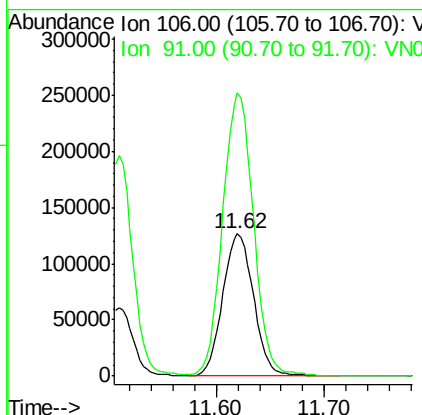
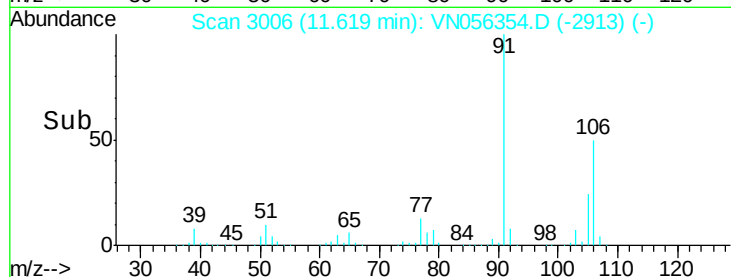
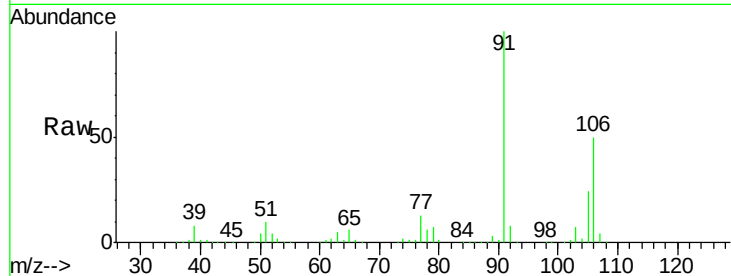
#68
m/p-Xylenes
Concen: 40.182 ug/l
RT: 11.62 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.1	160.7	241.1	

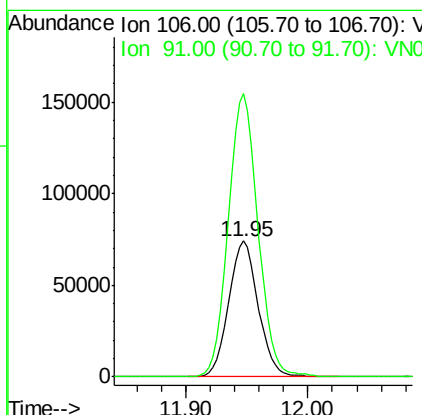
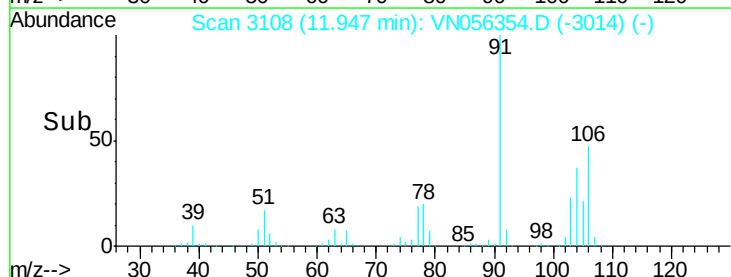
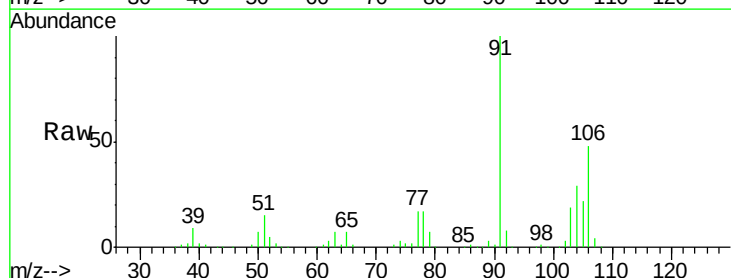
Manual Integrations
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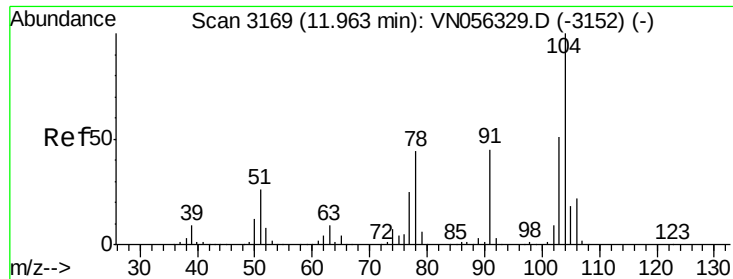
MMDadoda
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#69
o-Xylene
Concen: 20.162 ug/l
RT: 11.95 min Scan# 3108
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.2	105.6	316.7	





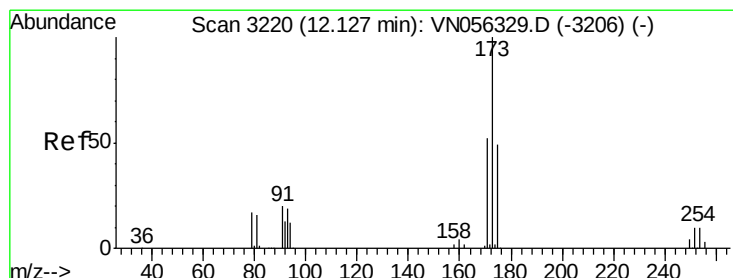
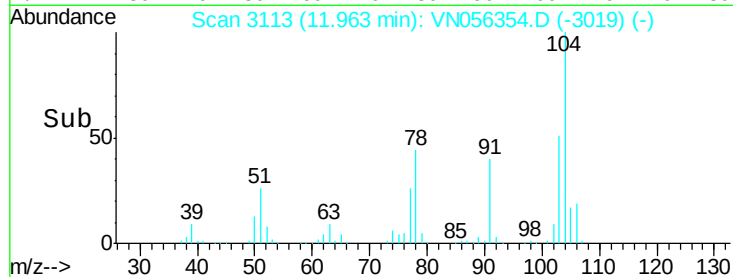
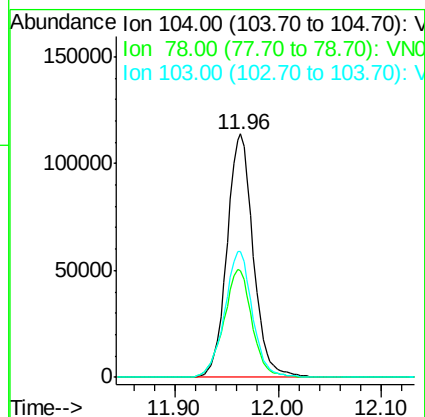
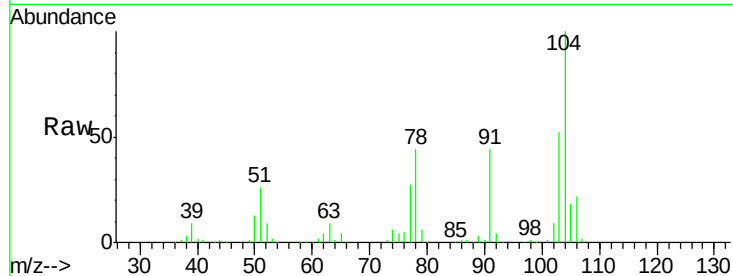
#70
Stvrene
Concen: 20.142 ug/l
RT: 11.96 min Scan# 3113
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :
VN0618WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.4	57.6
103	54.8	44.0	66.0

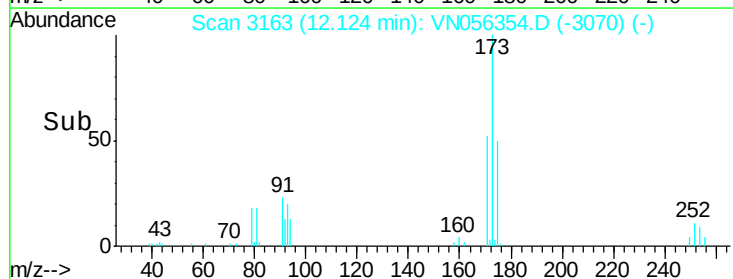
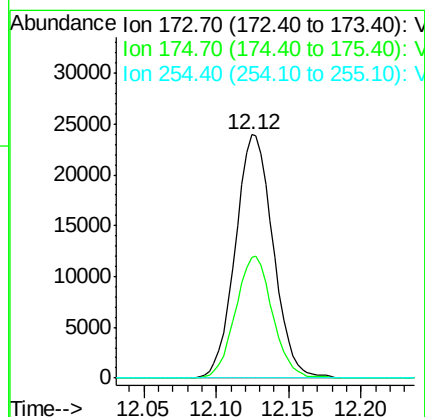
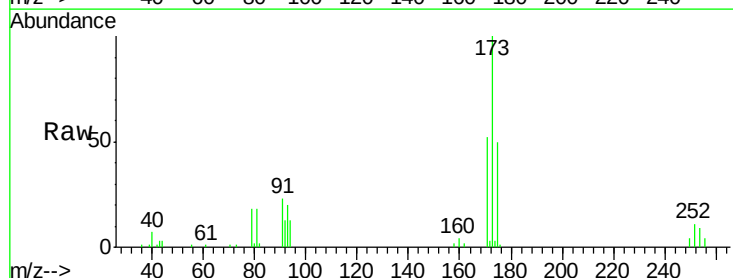
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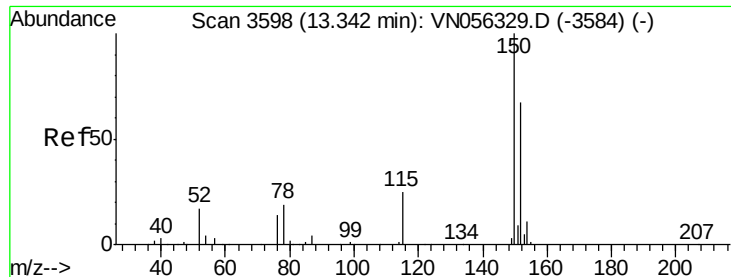
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#71
Bromoform
Concen: 15.176 ug/l
RT: 12.12 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	73.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

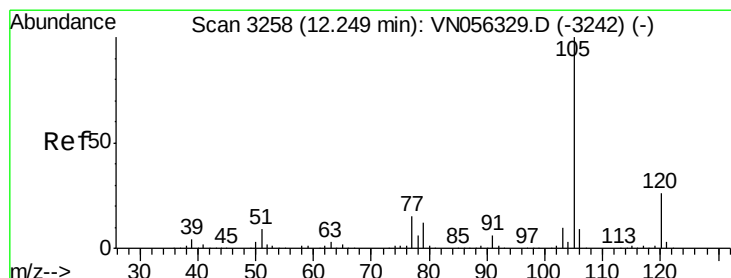
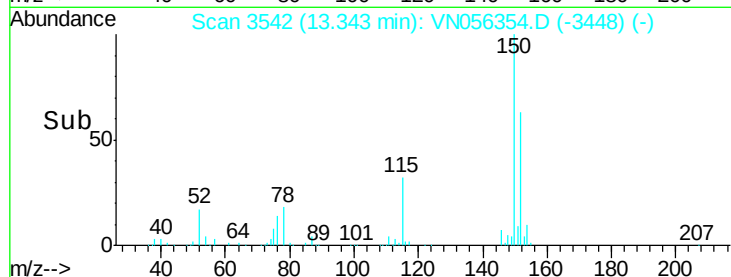
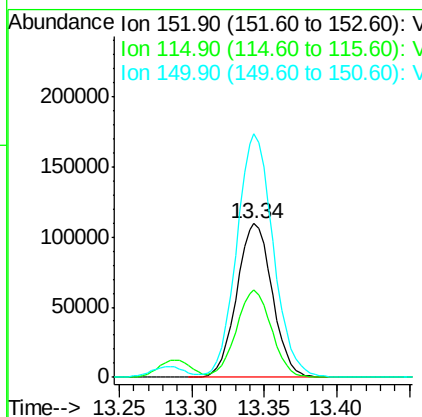
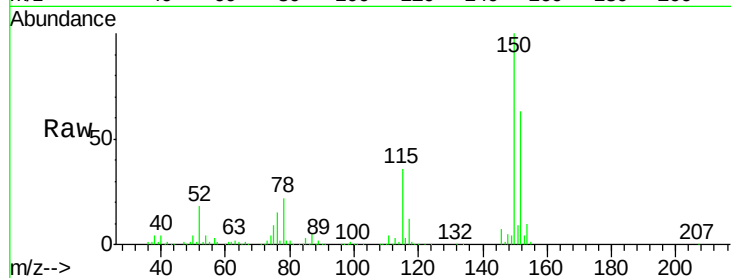
ClientSampleId :

VN0618WBS01

Tot Ion:	152	Resp:	186170
Ion Ratio	Lower	Upper	
152	100		
115	56.1	27.8	83.3
150	162.4	0.0	345.8

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#73

Isopropylbenzene

Concen: 21.499 ug/l

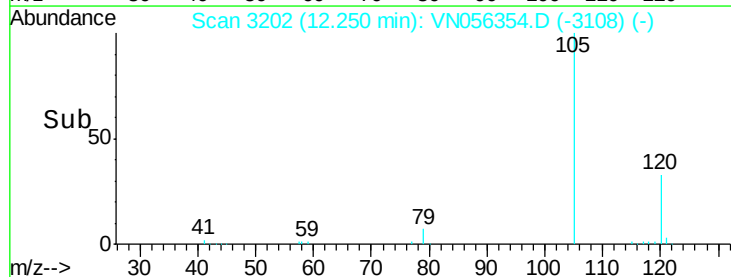
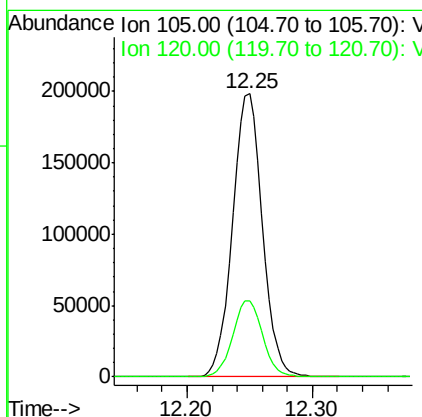
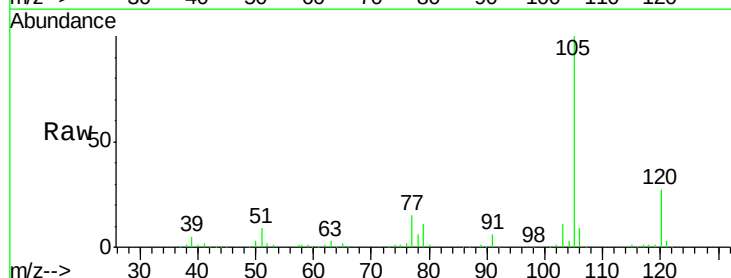
RT: 12.25 min Scan# 3202

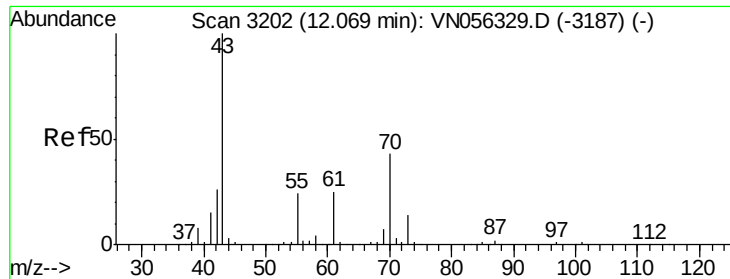
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion:	105	Resp:	327528
Ion Ratio	Lower	Upper	
105	100		
120	27.0	13.3	39.8





#74

N-amvl acetate

Concen: 20.168 ug/l

RT: 12.07 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS01

Tot Ion: 43 Resp: 117989

Ion Ratio Lower Upper

43 100

70 42.7 34.2 51.2

55 25.7 19.9 29.9

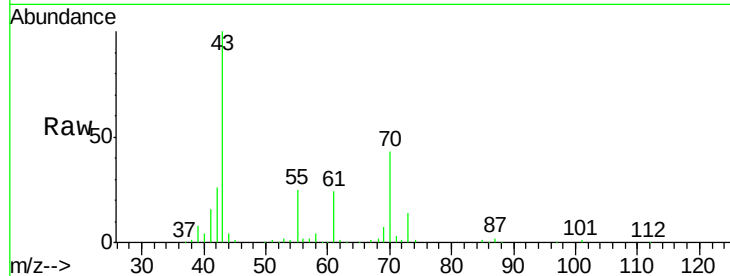
61 24.4 19.7 29.5

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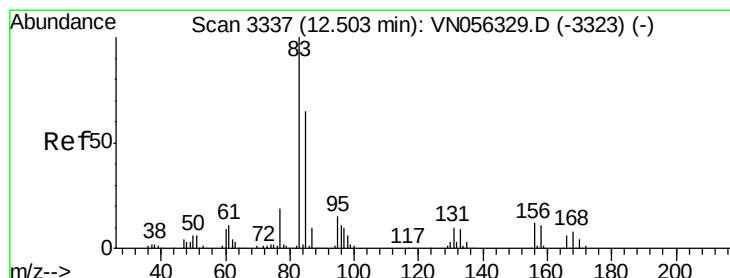
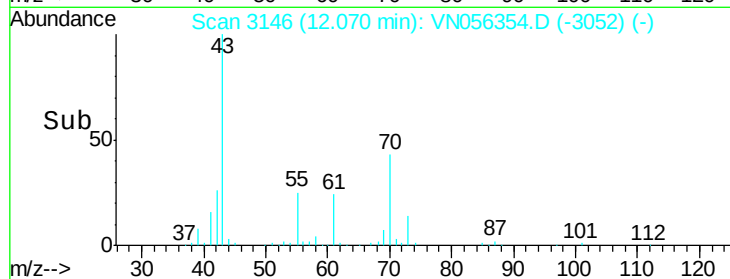
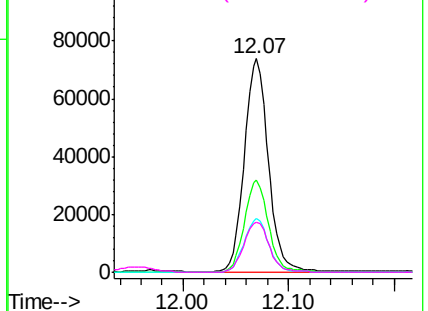


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 21.491 ug/l

RT: 12.50 min Scan# 3281

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

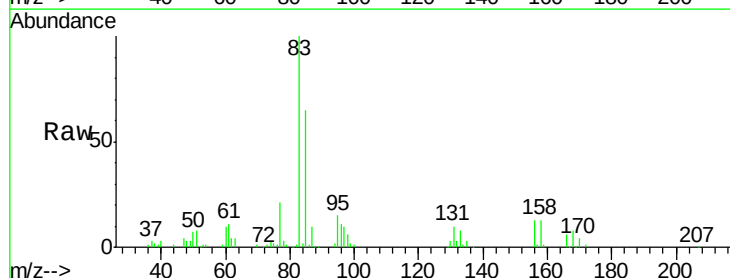
Tgt Ion: 83 Resp: 102530

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

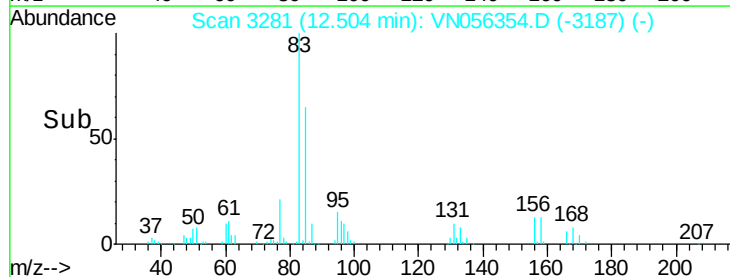
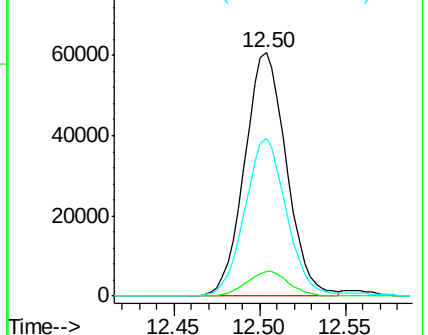
85 64.3 32.2 96.6

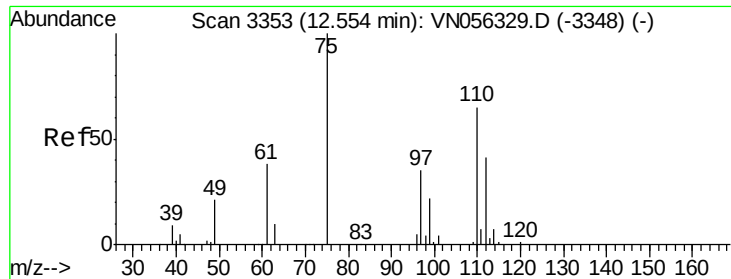


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





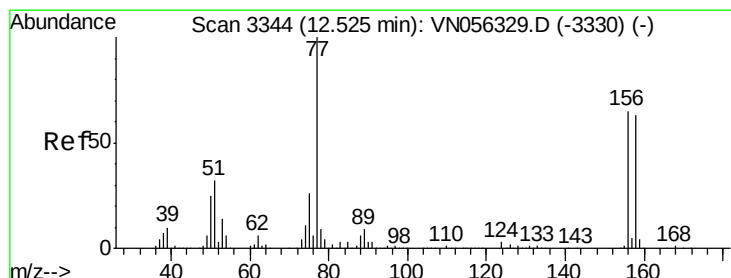
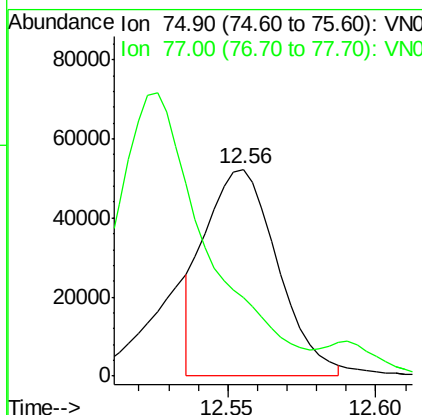
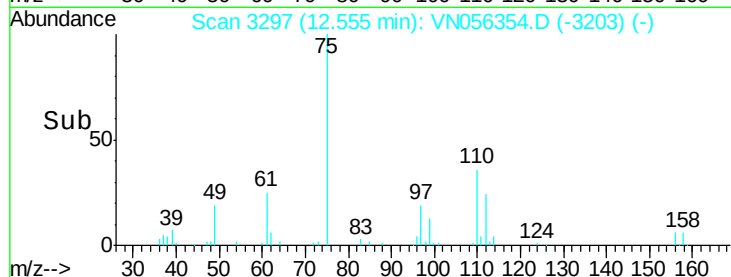
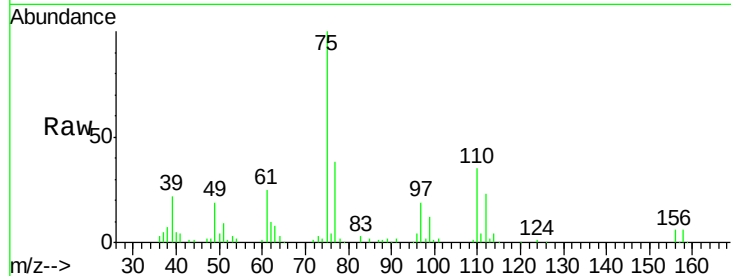
#76
 1,2,3-Trichloropropane
 Concen: 22.348 ug/l m
 RT: 12.56 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion: 75 Resp: 88893
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

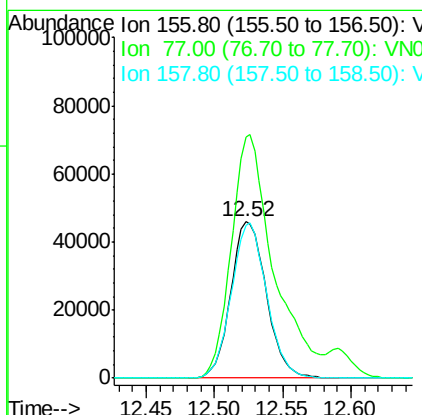
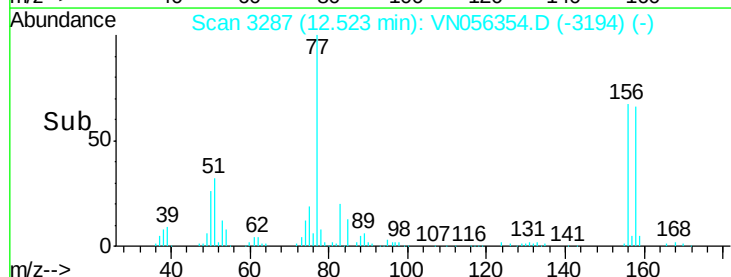
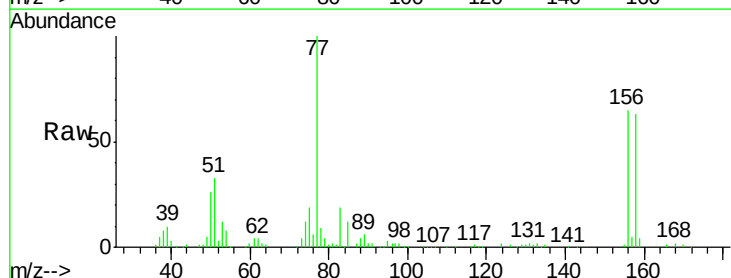
Manual Integrations
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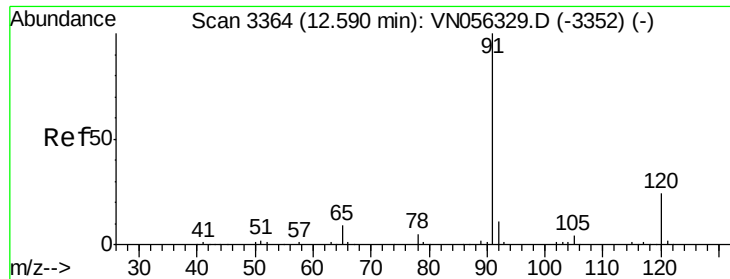
MMDadoda
 6/19/2019 12:20:05 PM



#77
 Bromobenzene
 Concen: 20.728 ug/l
 RT: 12.52 min Scan# 3287
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion: 156 Resp: 83329
 Ion Ratio Lower Upper
 156 100
 77 185.1 92.9 278.7
 158 98.5 49.0 147.2





#78

n-propylbenzene

Concen: 20.456 ug/l

RT: 12.59 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 91 Resp: 341838

Ion Ratio Lower Upper

91 100

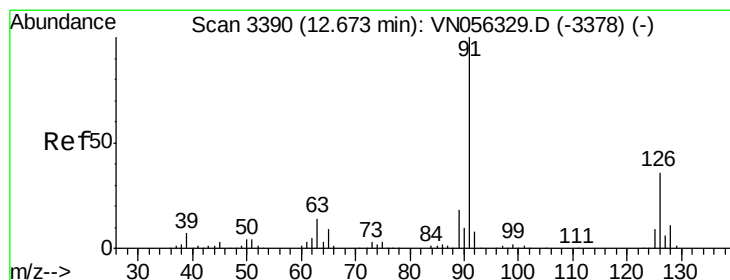
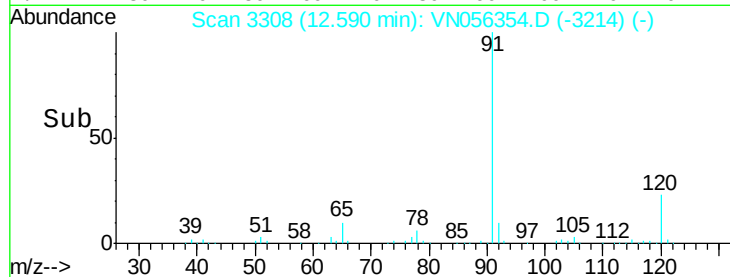
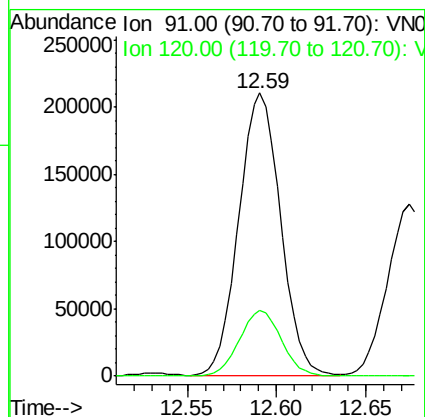
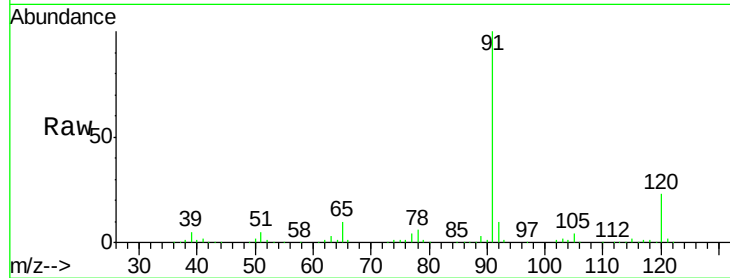
120 23.4 11.9 35.5

Manual Integrations

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#79

2-Chlorotoluene

Concen: 21.049 ug/l

RT: 12.67 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VN056354.D

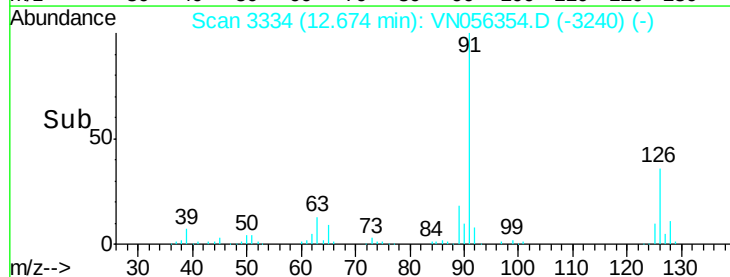
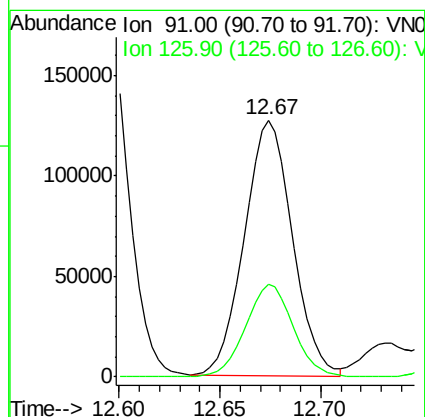
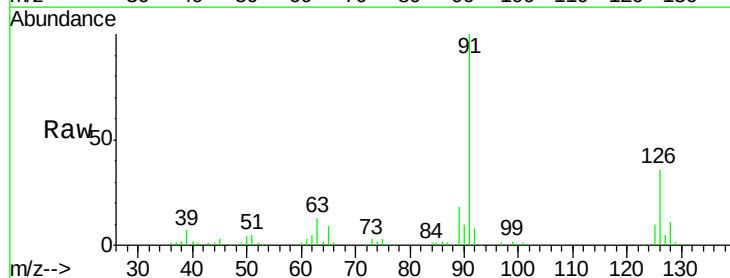
Acq: 18 Jun 2019 10:34

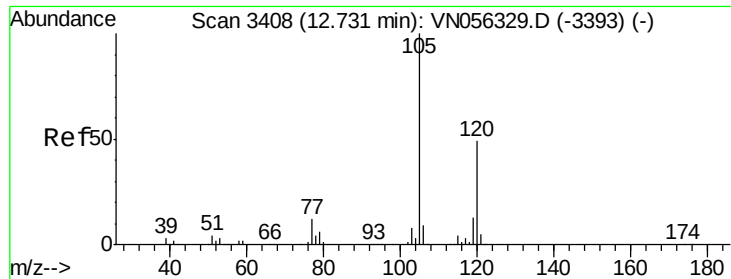
Tgt Ion: 91 Resp: 212879

Ion Ratio Lower Upper

91 100

126 35.7 18.0 54.0





#80

1,3,5-Trimethylbenzene

Concen: 20.539 ug/l

RT: 12.73 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:105 Resp: 266772

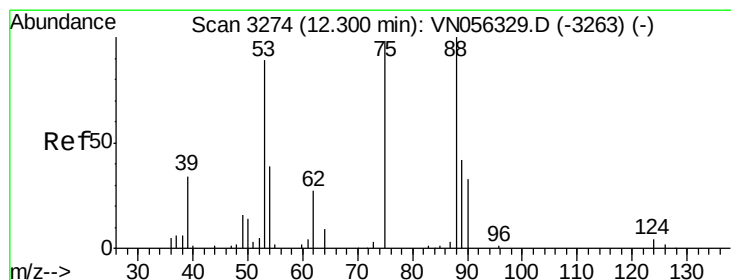
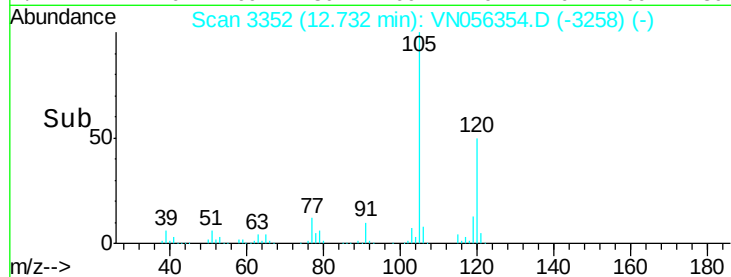
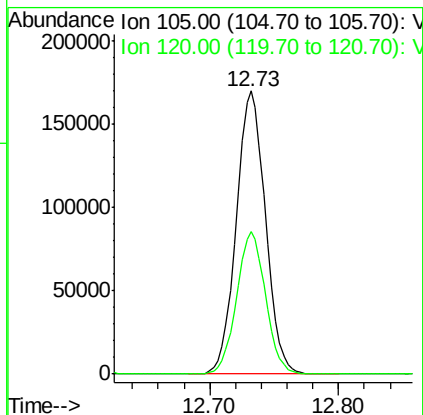
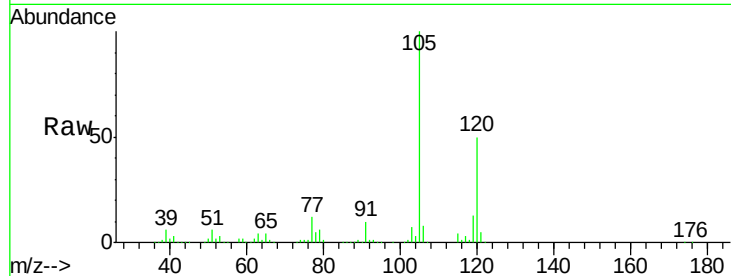
Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.4

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#81

trans-1,4-Dichloro-2-butene

Concen: 16.099 ug/l

RT: 12.30 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

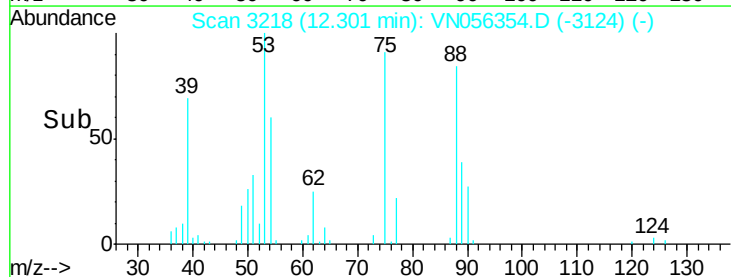
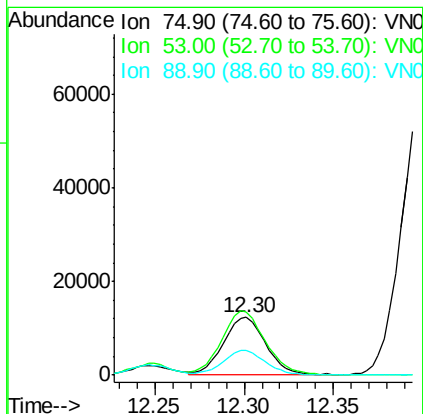
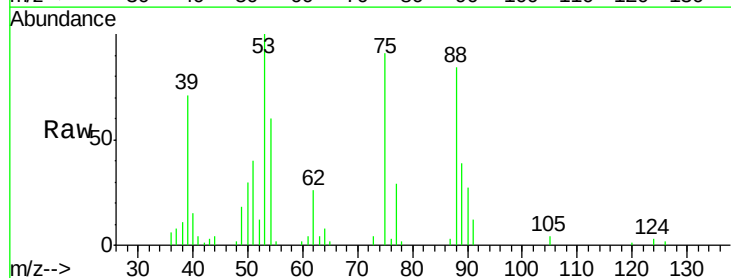
Tgt Ion: 75 Resp: 20610

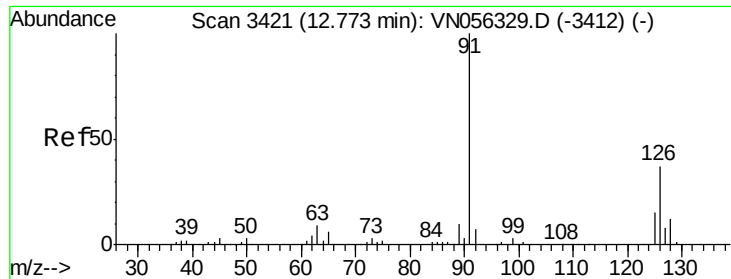
Ion Ratio Lower Upper

75 100

53 113.7 73.5 110.3#

89 41.8 35.4 53.2





#82

4-Chlorotoluene

Concen: 20.211 ug/l

RT: 12.77 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion: 91 Resp: 198258

Ion Ratio Lower Upper

91 100

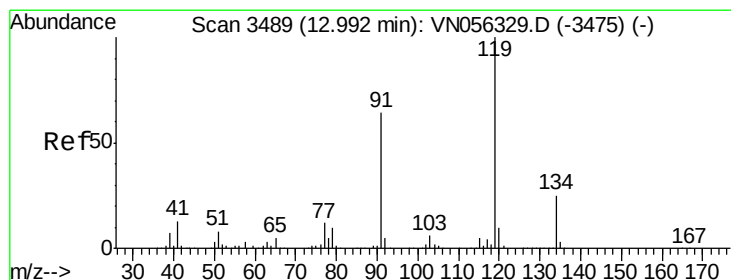
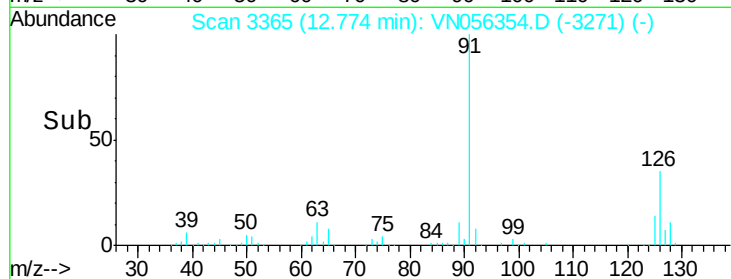
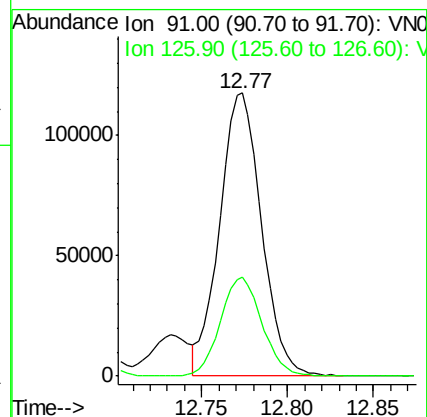
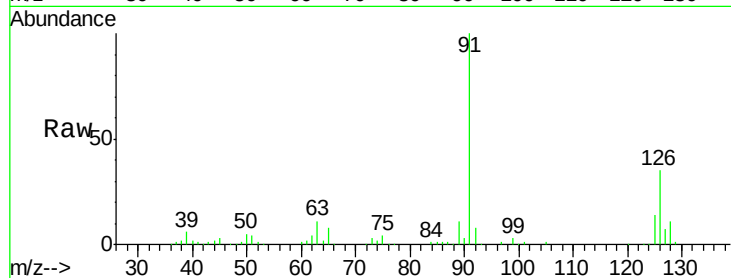
126 35.0 17.6 52.8

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#83

tert-Butylbenzene

Concen: 21.665 ug/l

RT: 12.99 min Scan# 3433

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

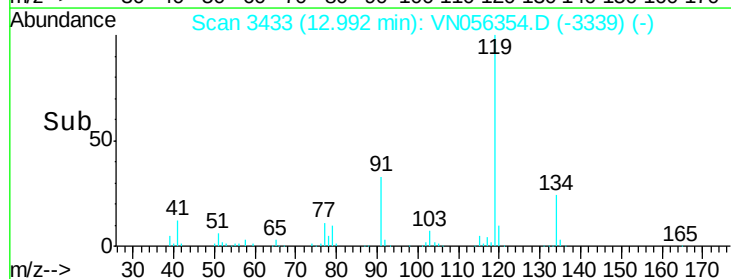
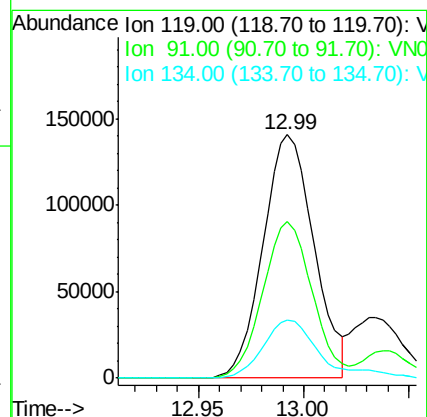
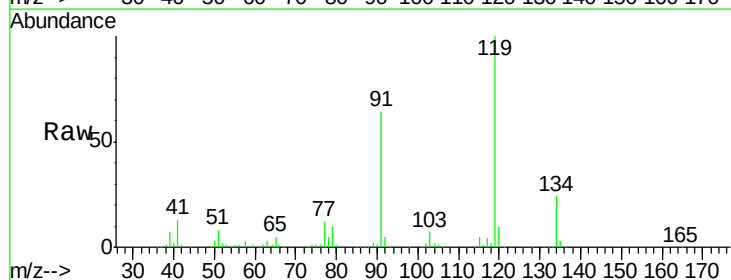
Tgt Ion: 119 Resp: 236784

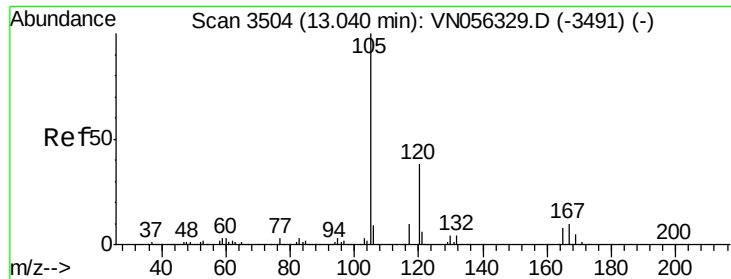
Ion Ratio Lower Upper

119 100

91 62.6 31.5 94.5

134 26.8 13.6 40.7





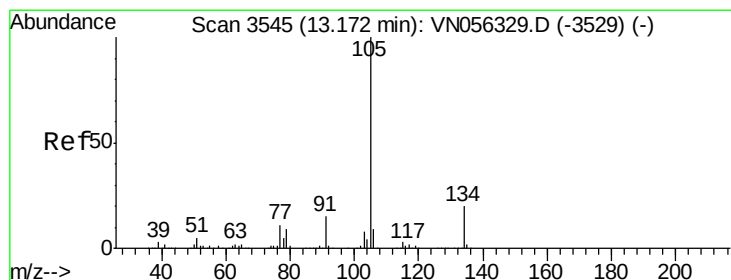
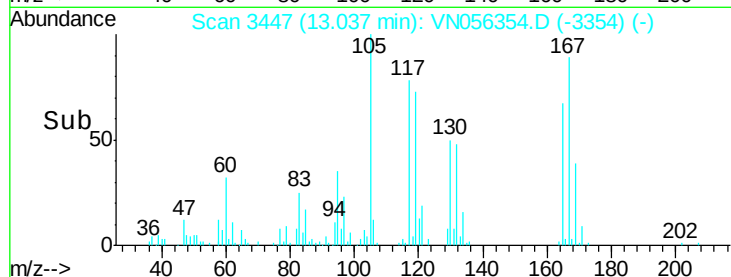
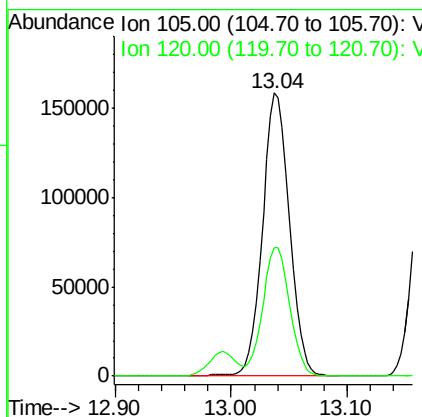
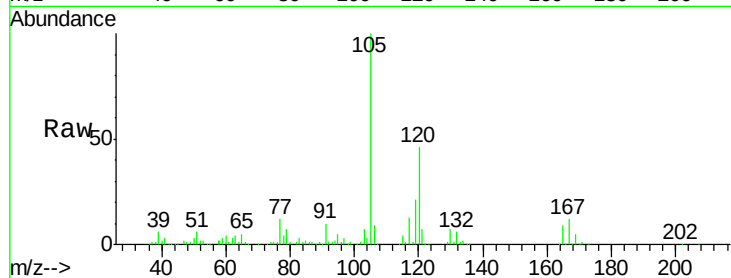
#84
 1,2,4-Trimethylbenzene
 Concen: 21.137 ug/l
 RT: 13.04 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2

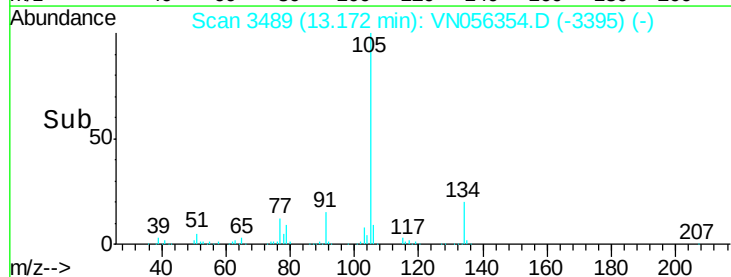
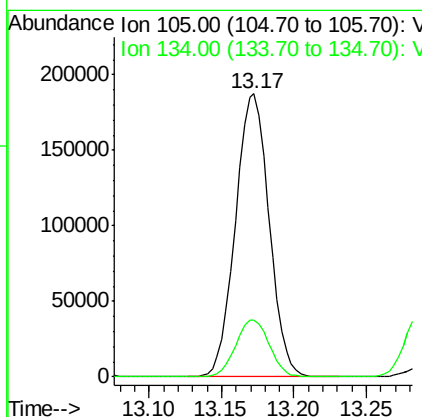
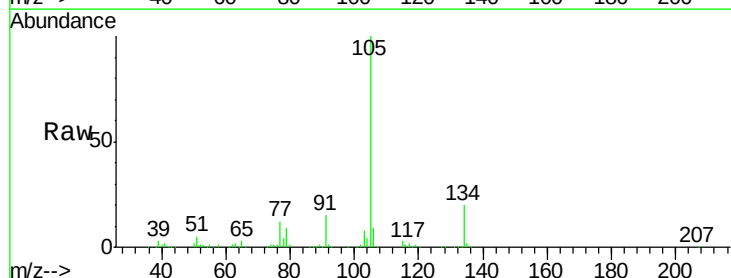
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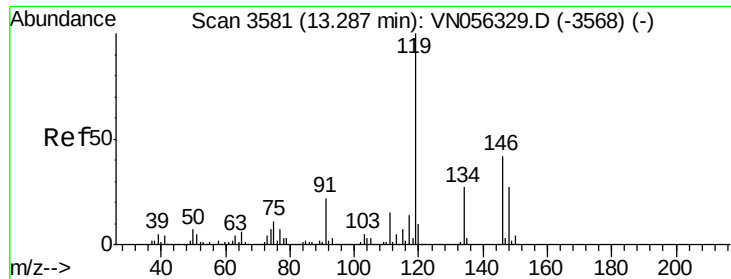
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#85
 sec-Butylbenzene
 Concen: 20.640 ug/l
 RT: 13.17 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.4





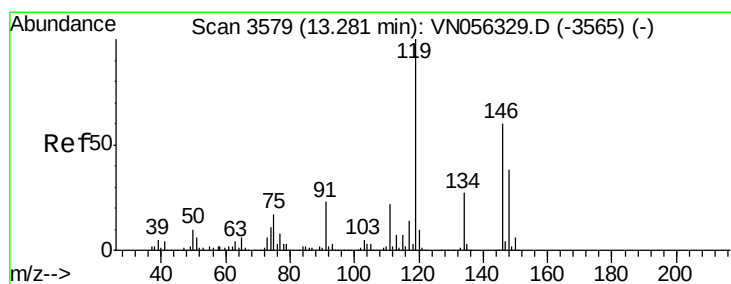
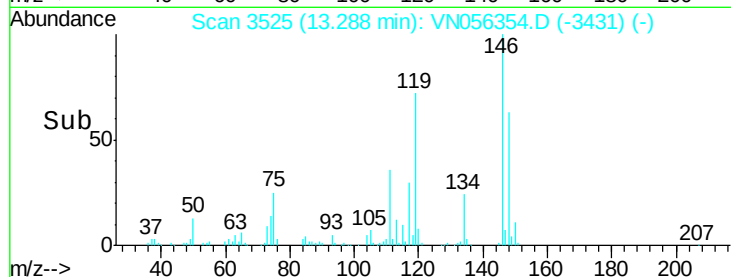
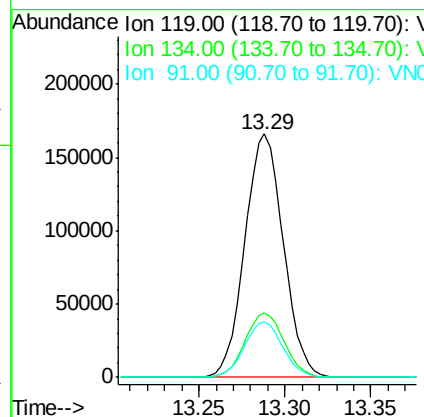
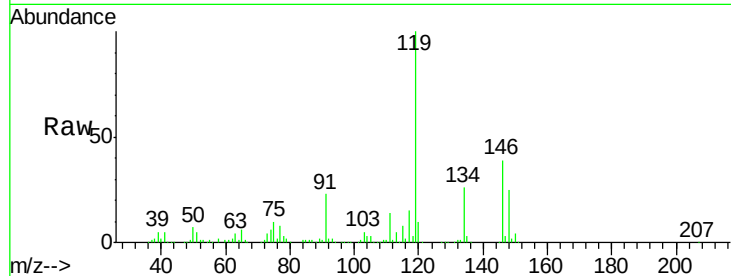
#86
 p-Isopropyltoluene
 Concen: 20.596 ug/l
 RT: 13.29 min Scan# 3525
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	258395		
134	26.9		13.5	40.4
91	22.9		11.0	33.0

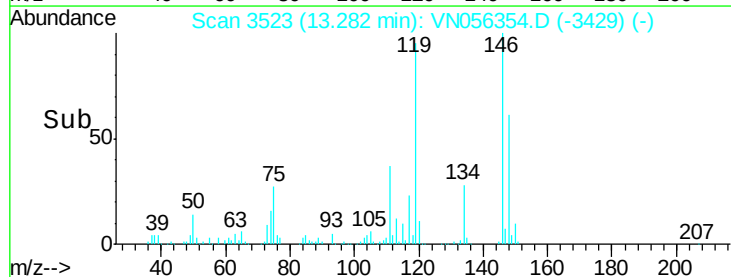
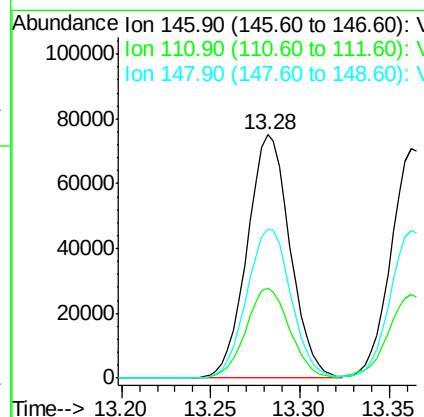
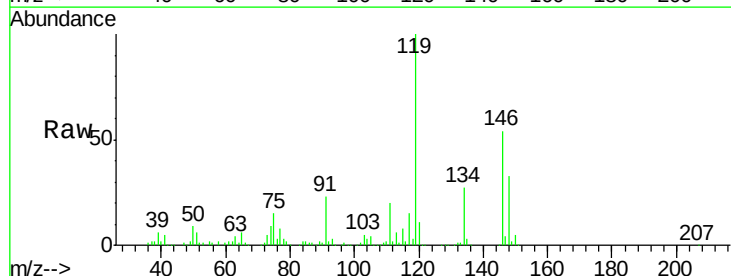
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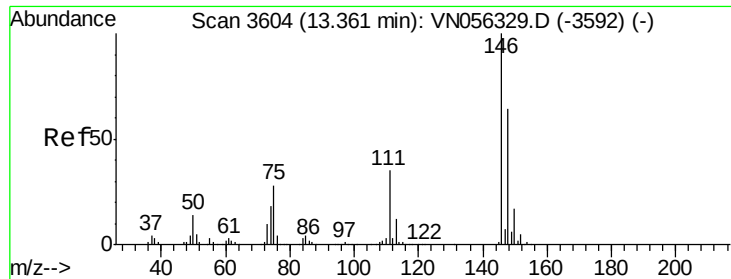
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#87
 1,3-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 13.28 min Scan# 3523
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	126140		
111	37.5		18.9	56.7
148	63.2		31.9	95.5





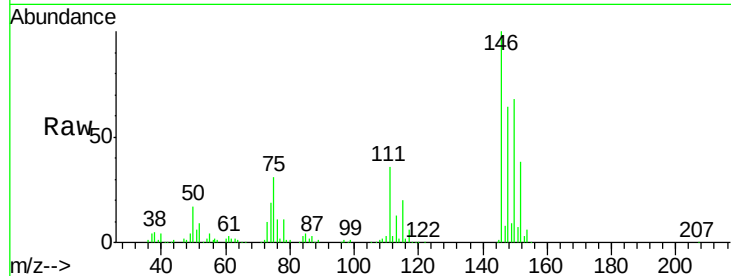
#88
 1,4-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 13.36 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118803		
111	38.0		18.1	54.1
148	65.6		32.1	96.5

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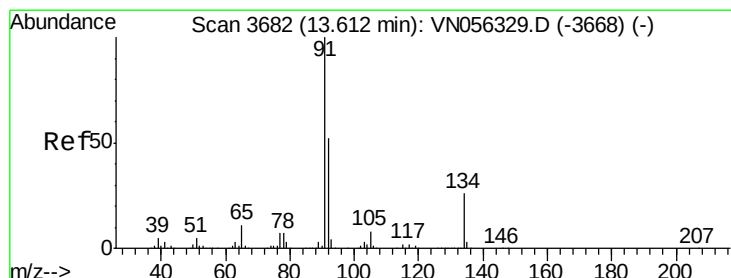
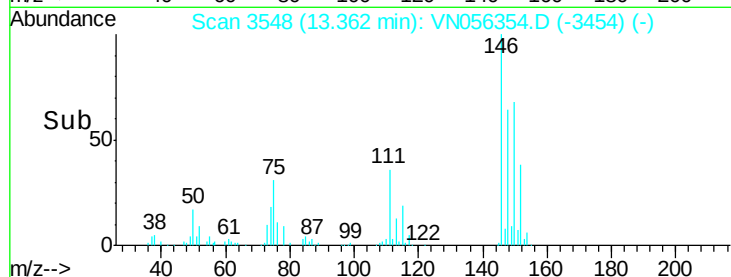
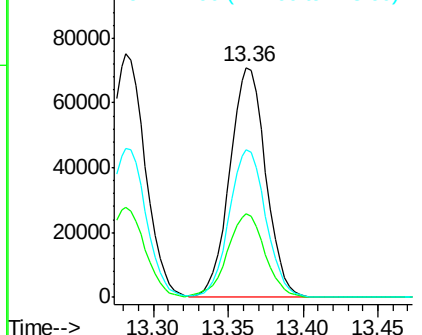


Abundance

Ion 145.90 (145.60 to 146.60): V

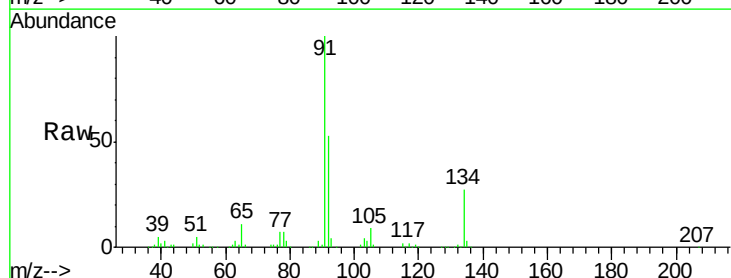
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89
 n-Butylbenzene
 Concen: 19.448 ug/l
 RT: 13.61 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	182419		
92	52.6		26.0	78.0
134	26.7		13.2	39.5

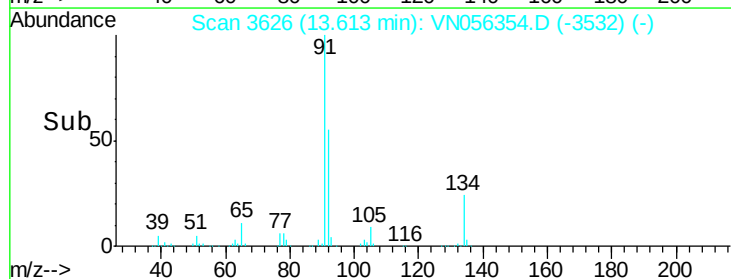
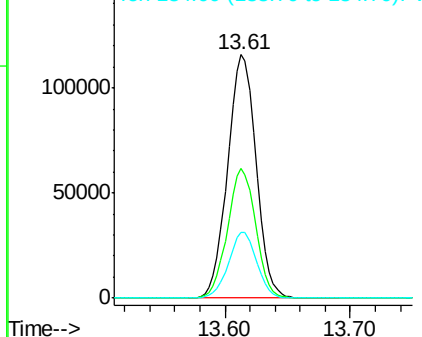


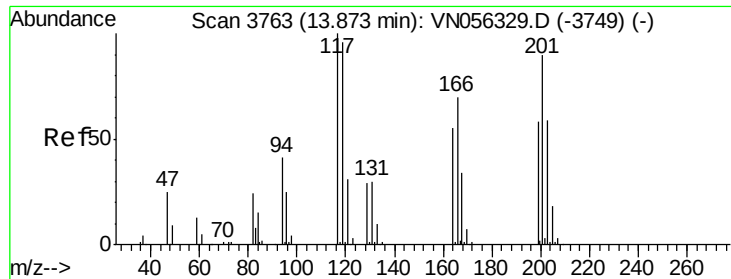
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 16.034 ug/l

RT: 13.87 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS01

Tot Ion:117 Resp: 37768

Ion Ratio Lower Upper

117 100

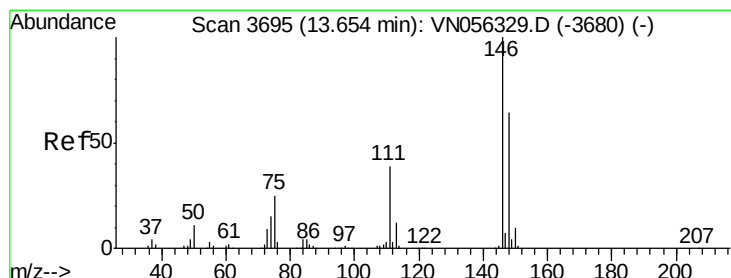
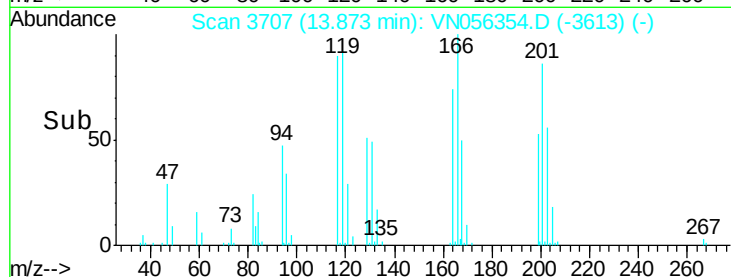
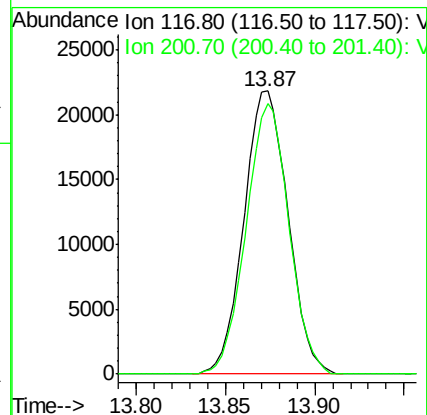
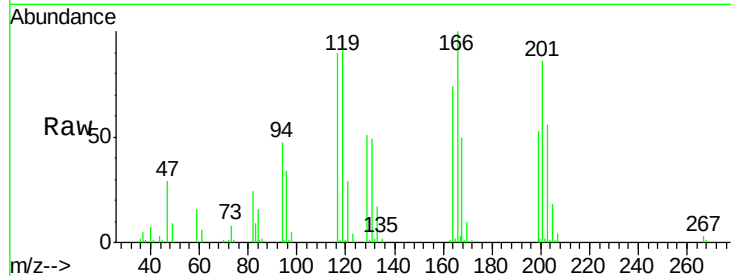
201 92.9 45.8 137.3

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#91

1,2-Dichlorobenzene

Concen: 20.092 ug/l

RT: 13.65 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

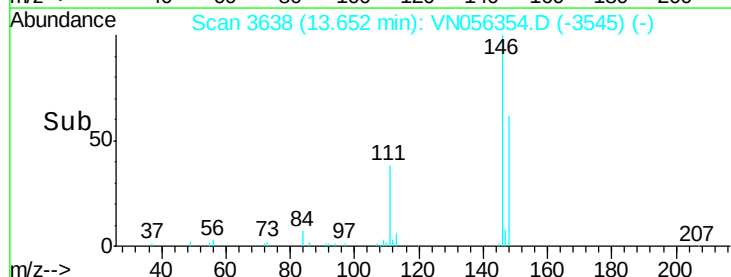
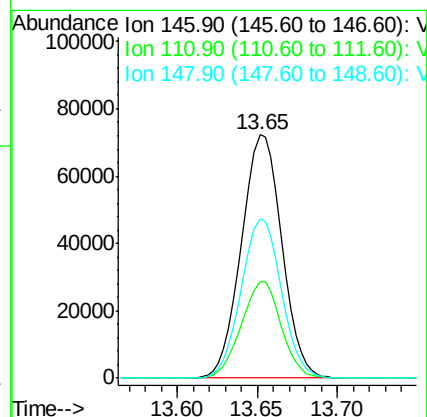
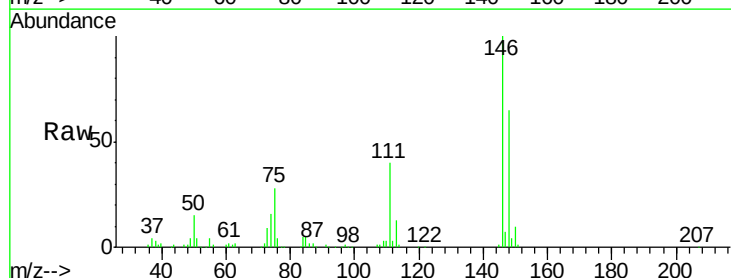
Tgt Ion:146 Resp: 124671

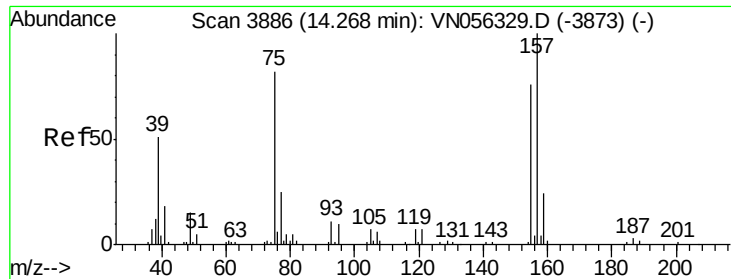
Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.2

148 65.1 32.4 97.2





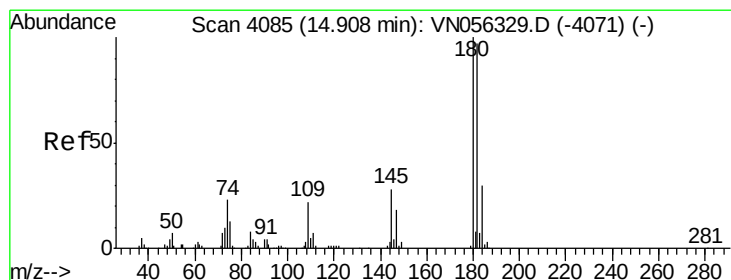
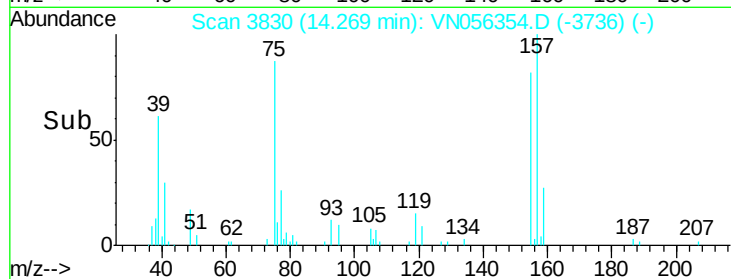
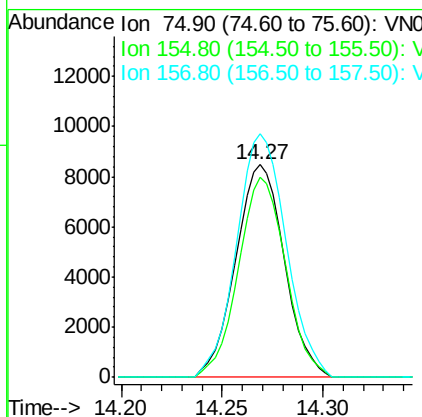
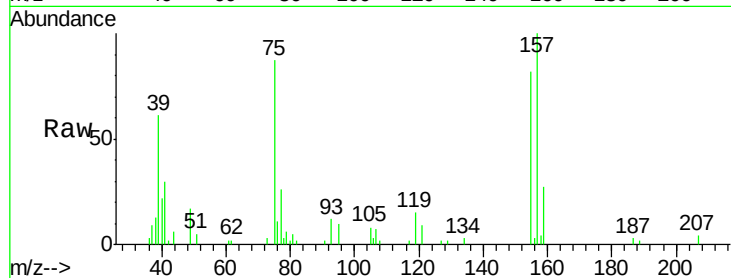
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.802 ug/l
 RT: 14.27 min Scan# 3830
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.2	47.8	143.4
157	116.7	62.8	188.5

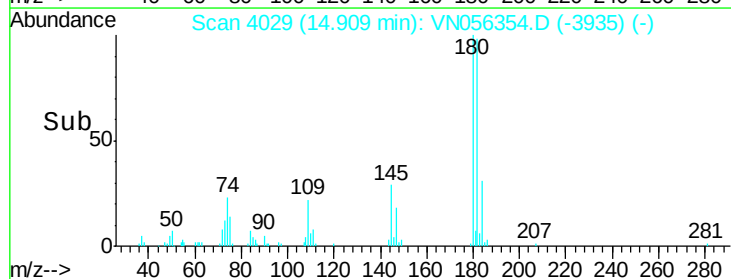
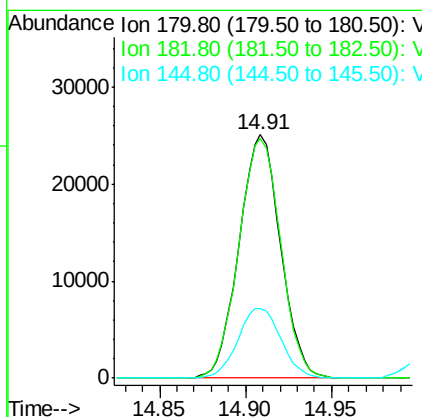
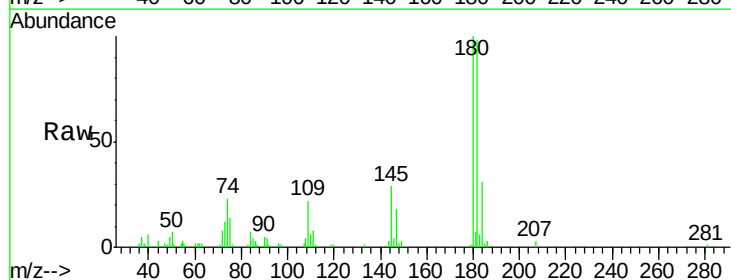
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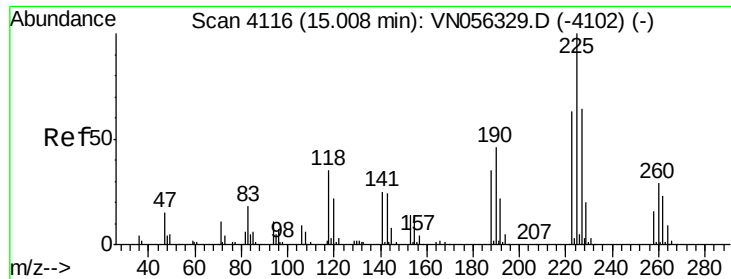
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#93
 1,2,4-Trichlorobenzene
 Concen: 16.911 ug/l
 RT: 14.91 min Scan# 4029
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.4	47.4	142.3
145	29.7	14.0	41.9





#94

Hexachlorobutadiene

Concen: 20.405 ug/l

RT: 15.01 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

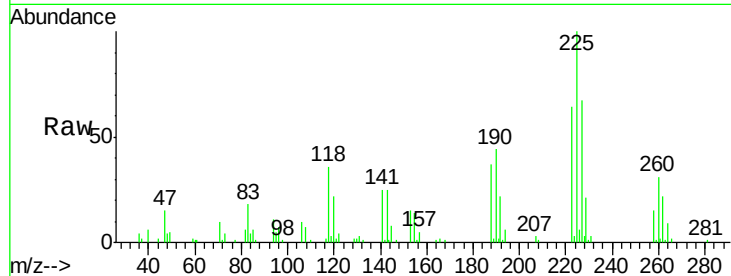
ClientSampleId :

VN0618WBS01

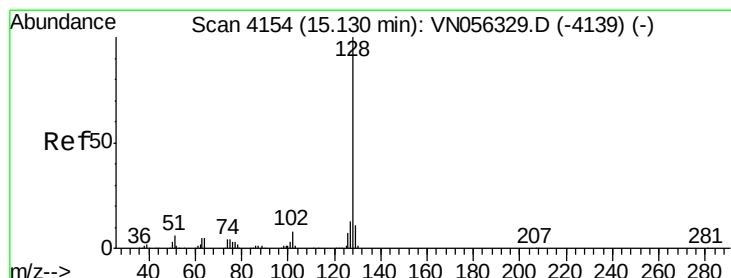
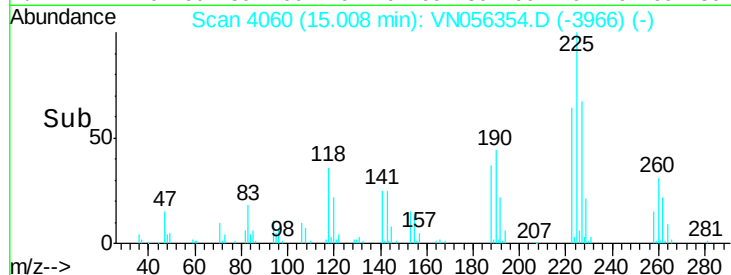
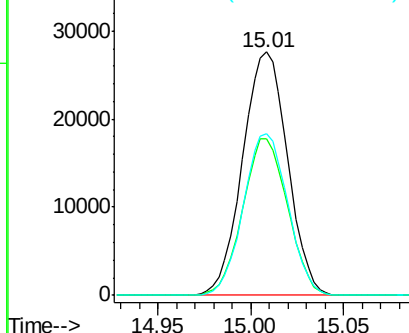
Tot Ion:	225	Resp:	46427
Ion Ratio		Lower	Upper
225	100		
223	64.1	31.2	93.6
227	65.6	31.7	95.1

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



#95

Naphthalene

Concen: 17.469 ug/l

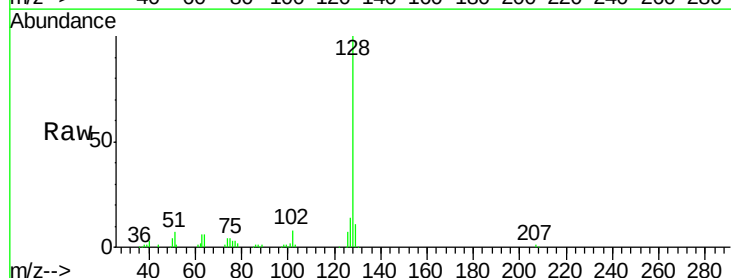
RT: 15.13 min Scan# 4098

Delta R.T. 0.00 min

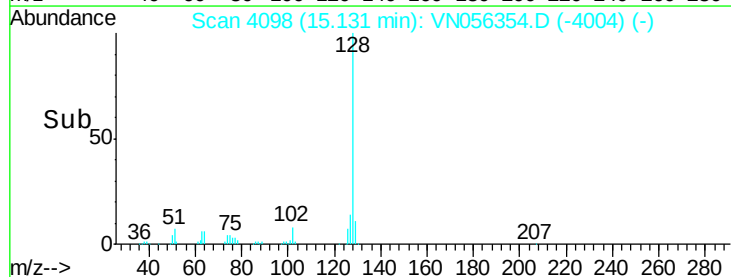
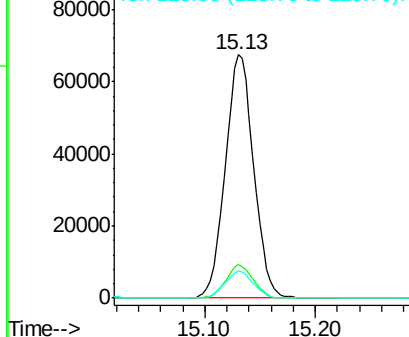
Lab File: VN056354.D

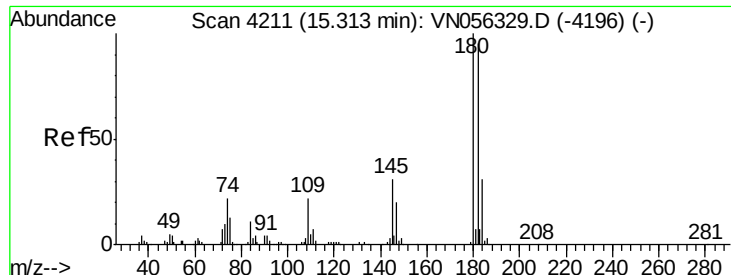
Acq: 18 Jun 2019 10:34

Tgt Ion:	128	Resp:	120301
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 17.853 ug/l
 RT: 15.31 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.1	141.4
145	29.9	14.9	44.9

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:20:05 PM

