

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055911.D
 Acq On : 31 May 2019 11:47
 Operator : JC/SP
 Sample : VN0531WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:08 PM

Quant Time: Jun 03 08:24:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	297959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	443844	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	391677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	166995	54.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.54%	
35) Dibromofluoromethane	7.59	113	145817	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.09	98	541309	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	179713	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	38021	18.960	ug/l	99
3) Chloromethane	2.06	50	54600	19.433	ug/l	99
4) Vinyl Chloride	2.18	62	58607	19.557	ug/l	100
5) Bromomethane	2.52	94	41997m	22.401	ug/l	
6) Chloroethane	2.68	64	37509	20.790	ug/l	100
7) Trichlorofluoromethane	3.00	101	80905	20.593	ug/l	96
8) Diethyl Ether	3.40	74	37254	21.156	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	52026	21.214	ug/l	98
10) Methyl Iodide	3.94	142	71417	19.918	ug/l	99
11) Tert butyl alcohol	4.82	59	75860m	129.029	ug/l	
12) 1,1-Dichloroethene	3.72	96	51237	20.219	ug/l	96
13) Acrolein	3.60	56	28918	68.692	ug/l	97
14) Allyl chloride	4.31	41	85753	19.740	ug/l	99
15) Acrylonitrile	4.99	53	152851	113.220	ug/l	100
16) Acetone	3.82	43	154894	114.514	ug/l	98
17) Carbon Disulfide	4.04	76	112063	15.565	ug/l	98
18) Methyl Acetate	4.33	43	70656	25.064	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	180695	21.380	ug/l	98
20) Methylene Chloride	4.54	84	61828	21.107	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	53980	19.828	ug/l	98
22) Diisopropyl ether	5.96	45	183496	21.718	ug/l	98
23) Vinyl Acetate	5.90	43	763835	105.441	ug/l	100
24) 1,1-Dichloroethane	5.84	63	103119	20.962	ug/l	99
25) 2-Butanone	6.84	43	214785	113.701	ug/l	100
26) 2,2-Dichloropropane	6.82	77	82592	19.399	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	67440	21.233	ug/l	99
28) Bromochloromethane	7.19	49	52768	22.529	ug/l	98
29) Tetrahydrofuran	7.22	42	135942	113.638	ug/l	100
30) Chloroform	7.37	83	104345	21.269	ug/l	99
31) Cyclohexane	7.65	56	94498	20.460	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	88136	20.132	ug/l	99
36) 1,1-Dichloropropene	7.79	75	74120	19.163	ug/l	100
37) Ethyl Acetate	6.93	43	82695	22.121	ug/l	99
38) Carbon Tetrachloride	7.77	117	72644	18.030	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	93332	19.486	ug/l	98
40) Benzene	8.04	78	242876	20.835	ug/l	99
41) Methacrylonitrile	7.17	41	34716	18.382	ug/l	91
42) 1,2-Dichloroethane	8.12	62	81392	21.368	ug/l	99
43) Isopropyl Acetate	8.17	43	128000	20.379	ug/l #	92
44) Trichloroethene	8.83	130	66849	20.570	ug/l	97
45) 1,2-Dichloropropane	9.12	63	64467	21.226	ug/l	96
46) Dibromomethane	9.21	93	42467	21.321	ug/l	98
47) Bromodichloromethane	9.40	83	78870	19.311	ug/l	97
48) Methyl methacrylate	9.20	41	62719	21.666	ug/l	98
49) 1,4-Dioxane	9.20	88	26174	435.101	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	406172	109.492	ug/l	100
52) Toluene	10.15	92	151311	20.638	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	81644	18.727	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	92872	19.229	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	63495	21.618	ug/l	99
56) Ethyl methacrylate	10.43	69	93401	20.577	ug/l	98
57) 1,3-Dichloropropane	10.71	76	102237	21.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	164276	94.700	ug/l	100
59) 2-Hexanone	10.75	43	285512	108.493	ug/l	99
60) Dibromochloromethane	10.90	129	61738	18.044	ug/l	98
61) 1,2-Dibromoethane	11.00	107	64096	21.039	ug/l	99
64) Tetrachloroethene	10.63	164	65242	19.749	ug/l	98
65) Chlorobenzene	11.43	112	159702	20.368	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	59663	19.078	ug/l	99
67) Ethyl Benzene	11.51	91	284990	20.268	ug/l	99
68) m/p-Xylenes	11.62	106	213697	40.201	ug/l	99
69) o-Xylene	11.95	106	108885	20.646	ug/l	98
70) Styrene	11.96	104	169848	19.887	ug/l	98
71) Bromoform	12.13	173	42729	16.019	ug/l #	96
73) Isopropylbenzene	12.25	105	283600	23.909	ug/l	100
74) N-amyl acetate	12.07	43	100788	22.361	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	86921	24.493	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	72181m	25.030	ug/l	
77) Bromobenzene	12.53	156	72987	21.706	ug/l	99
78) n-propylbenzene	12.59	91	292921	21.388	ug/l	99
79) 2-Chlorotoluene	12.67	91	185937	23.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	231713	23.186	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21256	18.150	ug/l	88
82) 4-Chlorotoluene	12.77	91	172781	21.462	ug/l	99
83) tert-Butylbenzene	12.99	119	208688	24.016	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	225429	22.652	ug/l	98
85) sec-Butylbenzene	13.17	105	262957	23.540	ug/l	99
86) p-Isopropyltoluene	13.29	119	233376	21.326	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	111749	20.988	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	104521	20.648	ug/l	99
89) n-Butylbenzene	13.61	91	167091	19.928	ug/l	99
90) Hexachloroethane	13.87	117	37648	18.075	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	114283	21.514	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13190	18.891	ug/l	98

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Instrument :
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ClientSampleId :
VN0531WBS01

Manual Integrations
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Quant Time: Jun 03 08:24:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46627	17.783	ug/l	99
94) Hexachlorobutadiene	15.01	225	40323	20.491	ug/l	99
95) Naphthalene	15.13	128	134388	18.436	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	54631	19.455	ug/l	98

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

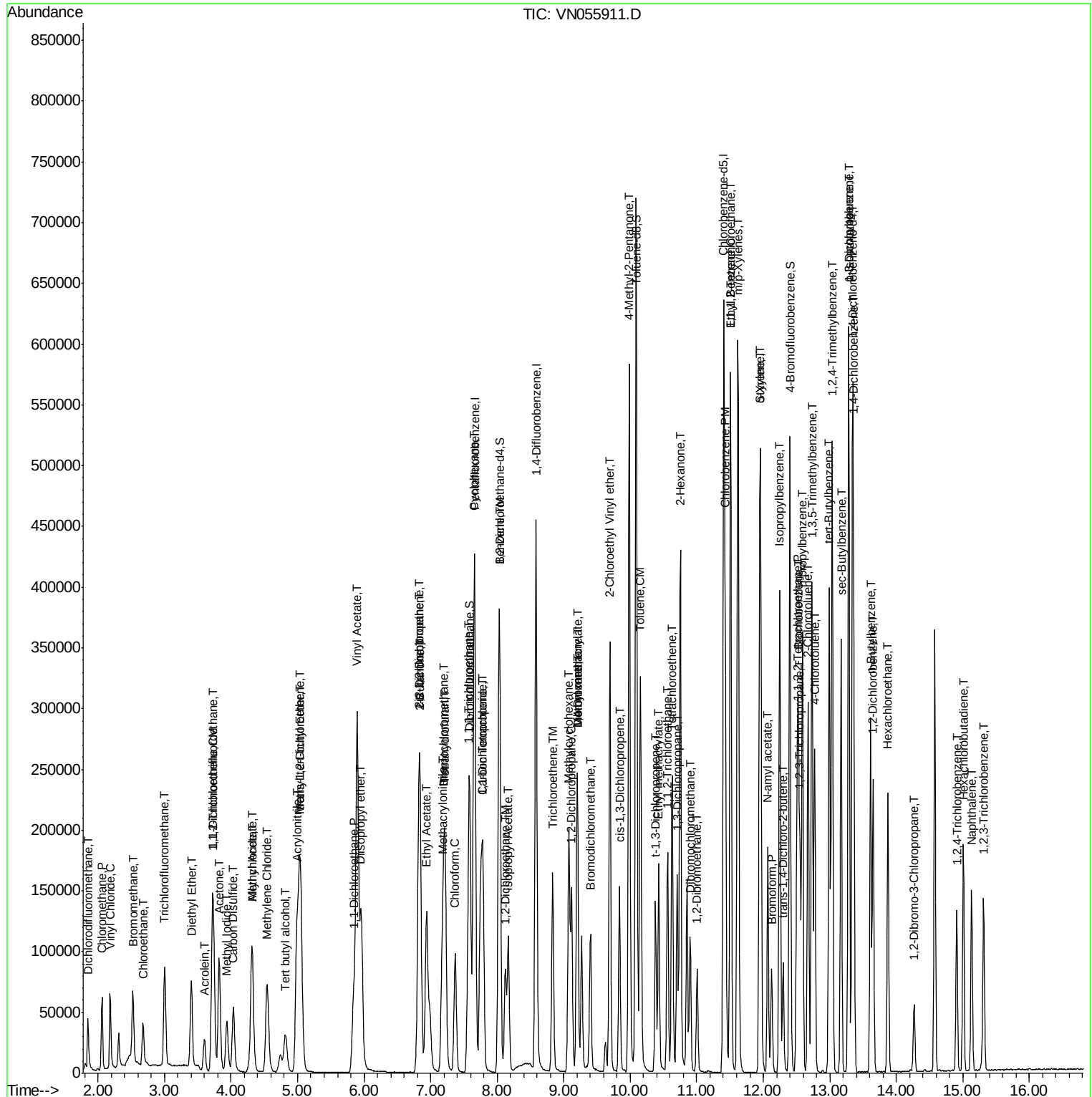
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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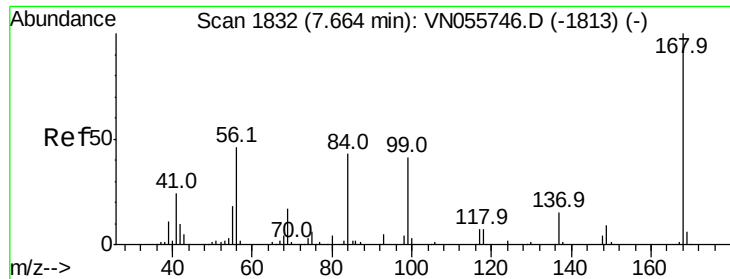
Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0531WBS01

Tot Ion:168 Resp: 297959

Ion Ratio Lower Upper

168 100

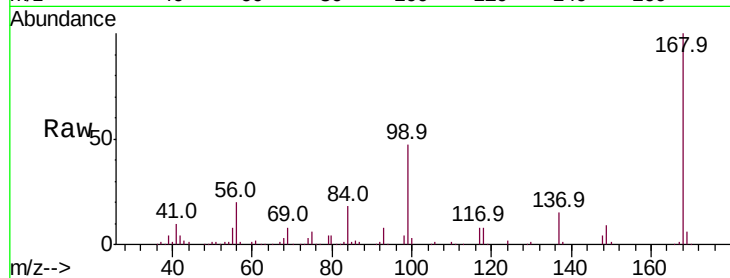
99 46.2 37.2 55.8

Manual Integrations

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6/3/2019 4:12:08 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

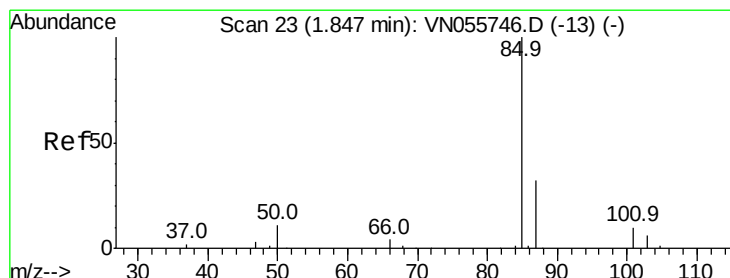
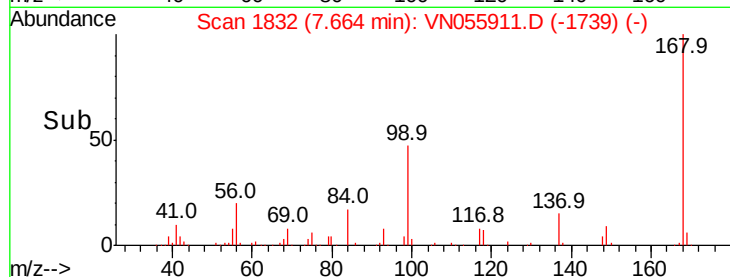
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.960 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055911.D

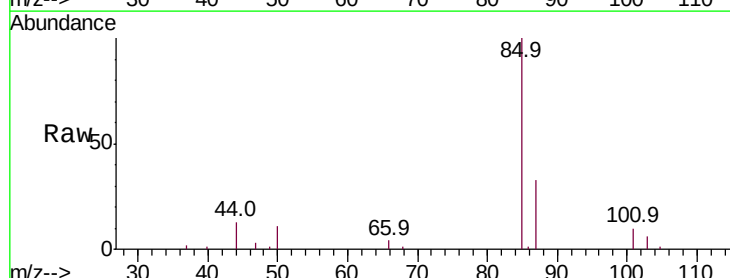
Acq: 31 May 2019 11:47

Tgt Ion: 85 Resp: 38021

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

25000

20000

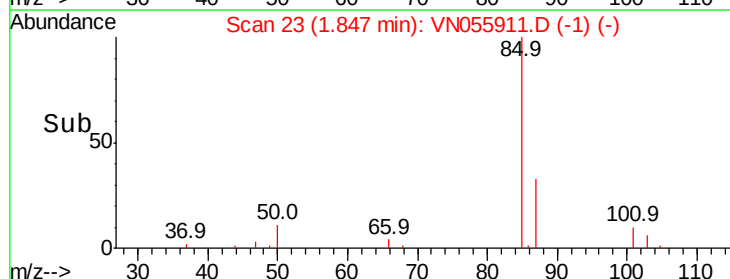
15000

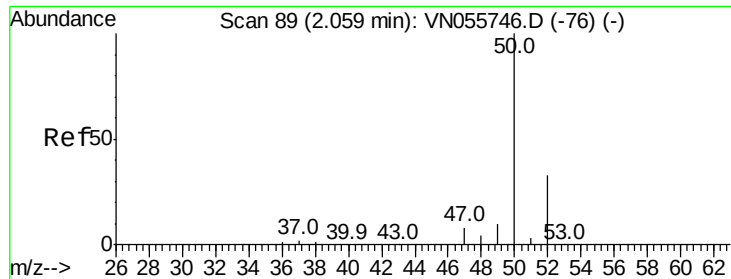
10000

5000

0

Time-->





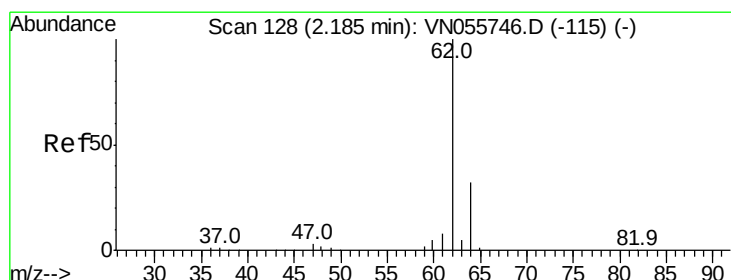
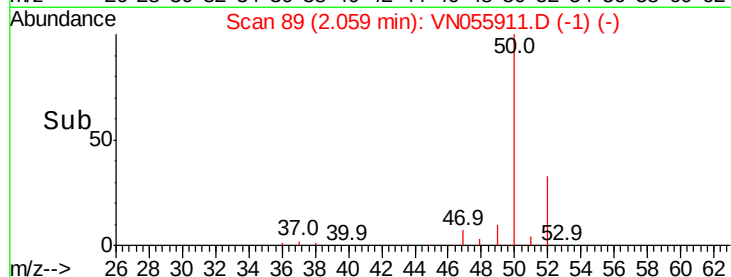
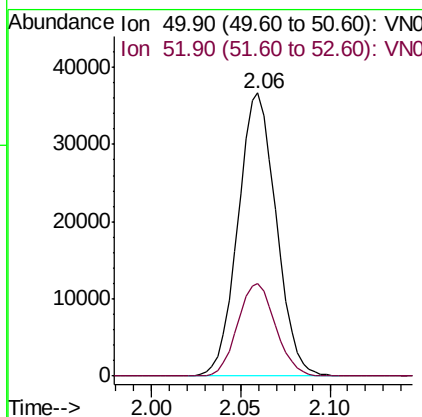
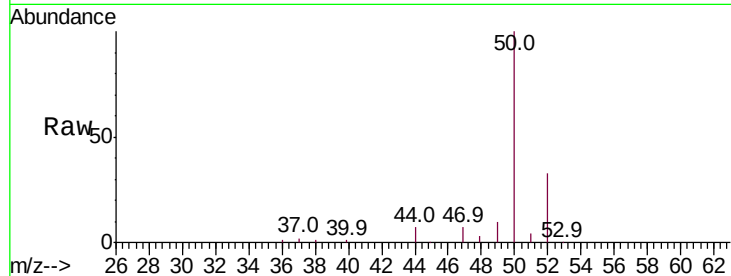
#3
Chloromethane
Concen: 19.433 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion: 50 Resp: 54600
Ion Ratio Lower Upper
50 100
52 32.7 26.6 40.0

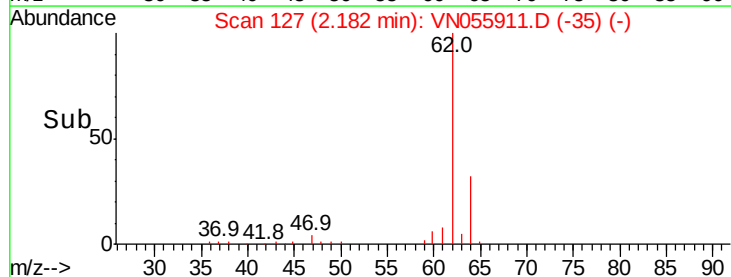
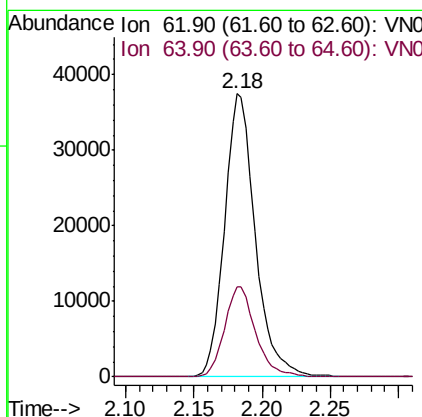
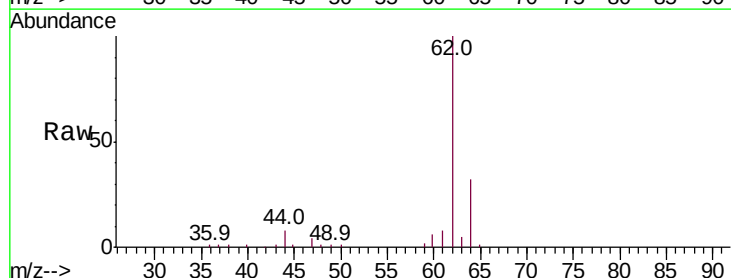
Manual Integrations
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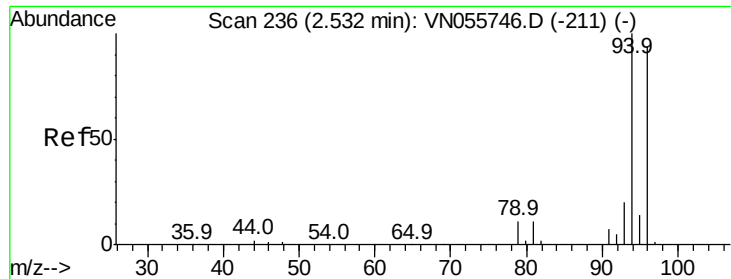
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#4
Vinyl Chloride
Concen: 19.557 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 62 Resp: 58607
Ion Ratio Lower Upper
62 100
64 31.9 25.6 38.4





#5

Bromomethane

Concen: 22.401 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion: 94 Resp: 41997

Ion Ratio Lower Upper

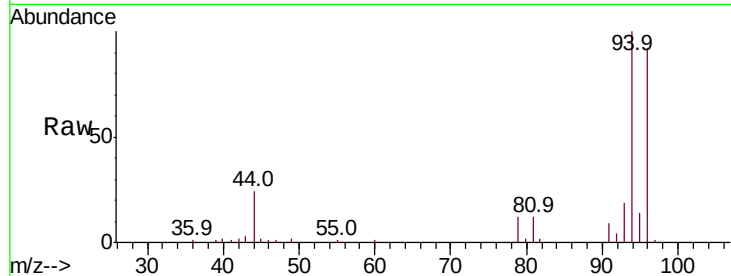
94 100

96 92.0 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

5000

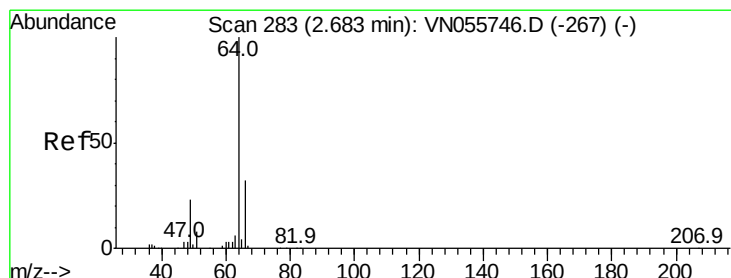
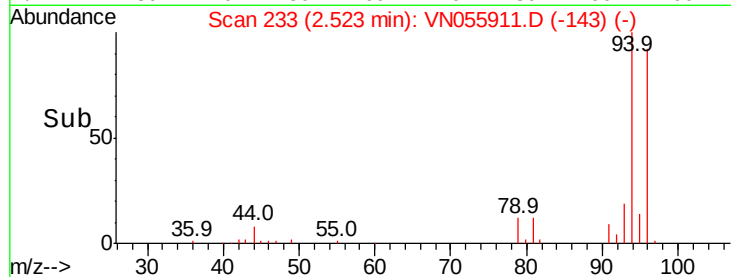
0

2.52

2.50

2.60

Time-->



#6

Chloroethane

Concen: 20.790 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN055911.D

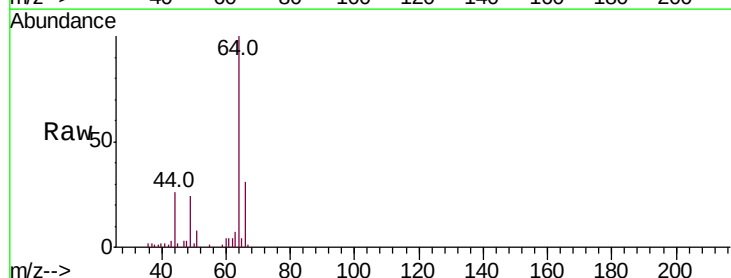
Acq: 31 May 2019 11:47

Tgt Ion: 64 Resp: 37509

Ion Ratio Lower Upper

64 100

66 31.4 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

10000

5000

0

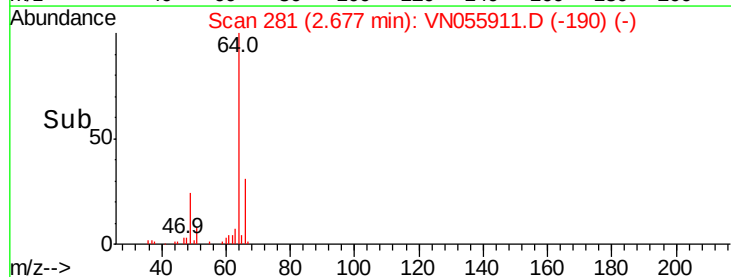
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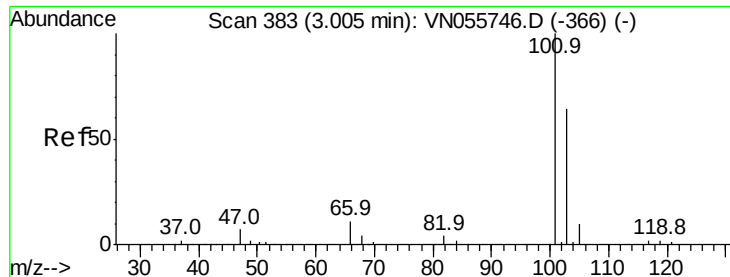
2.60

2.70

2.80

Time-->





#7

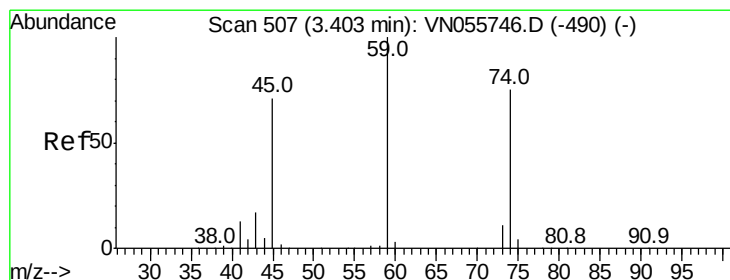
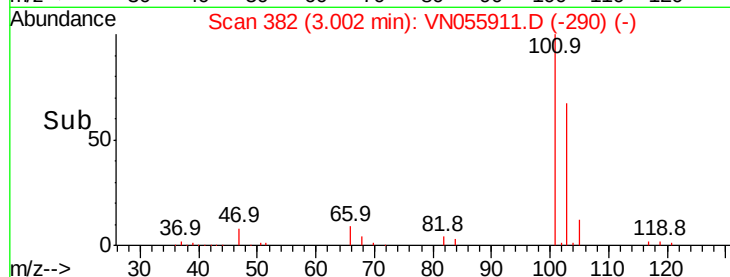
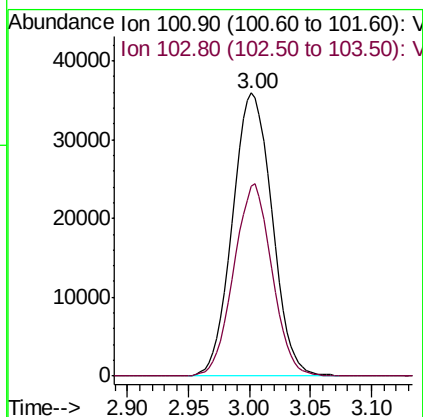
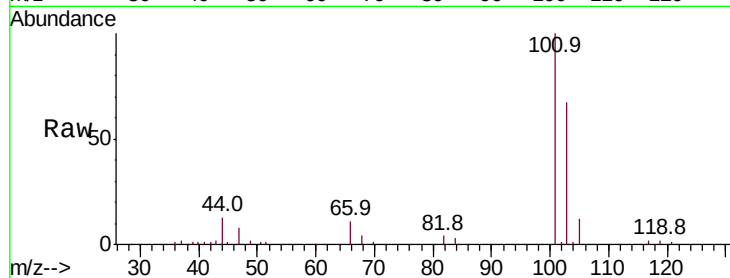
Trichlorofluoromethane
Concen: 20.593 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
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ClientSampleId :
VN0531WBS01

Tot Ion:101 Resp: 80905
Ion Ratio Lower Upper
101 100
103 67.2 51.2 76.8

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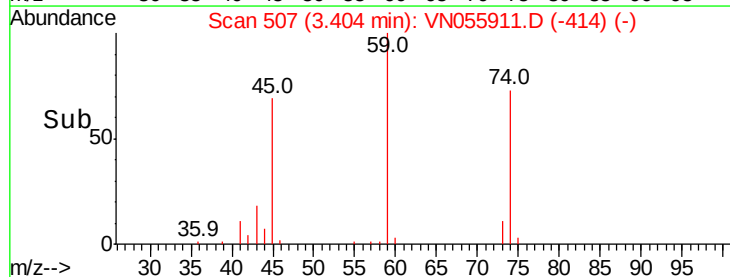
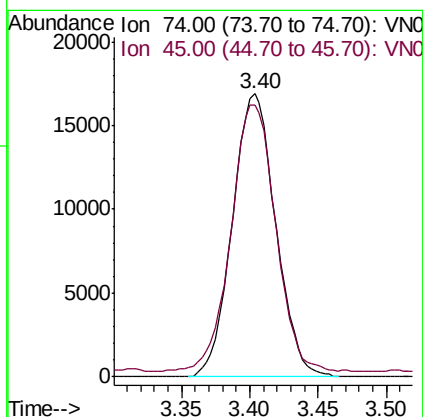
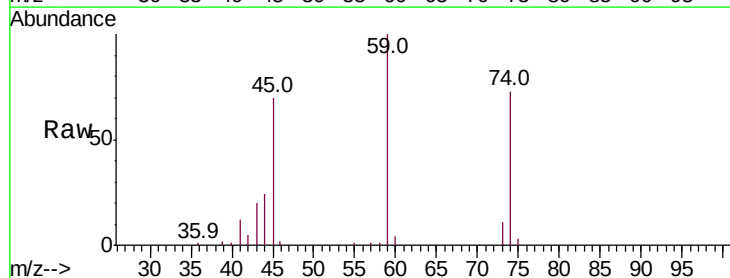
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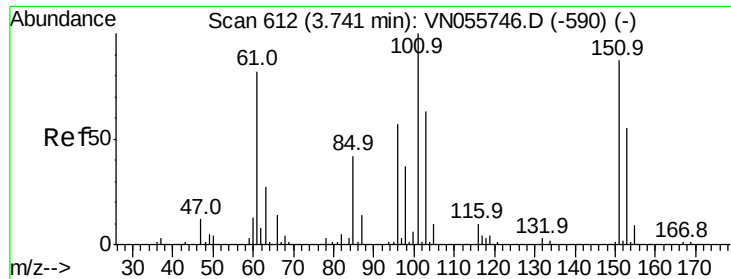


#8

Diethyl Ether
Concen: 21.156 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 74 Resp: 37254
Ion Ratio Lower Upper
74 100
45 95.8 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.214 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

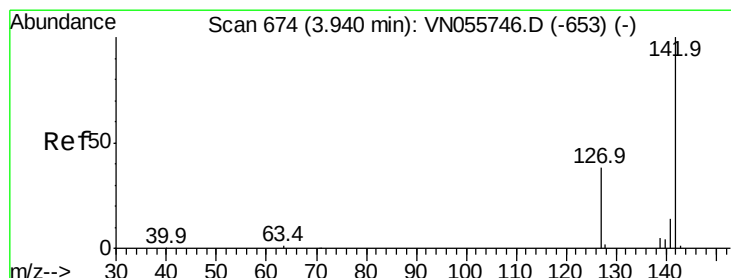
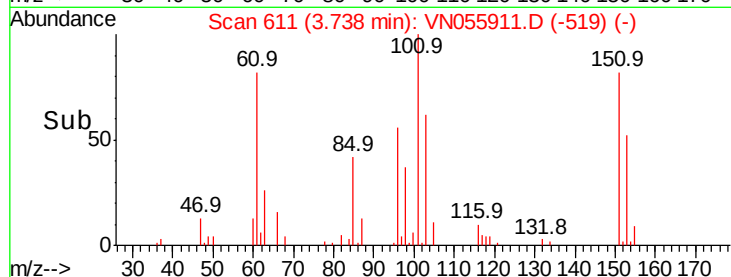
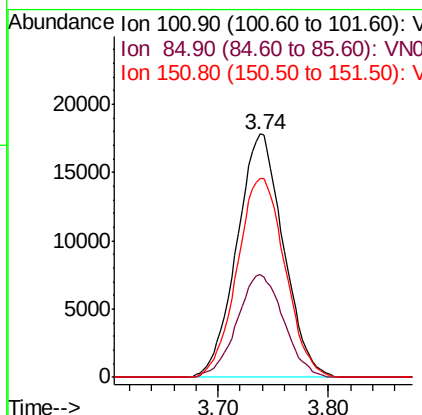
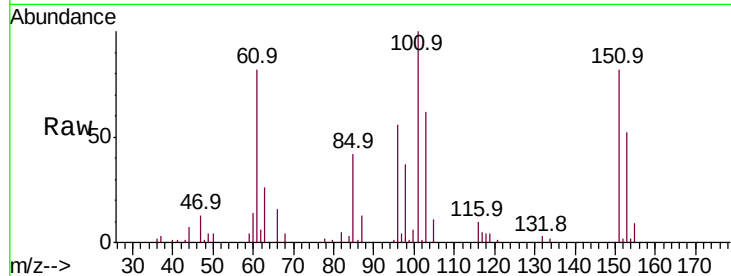
ClientSampleId :

VN0531WBS01

Tot Ion:	101	Resp:	52026
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.4	50.2
151	84.2	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.918 ug/l

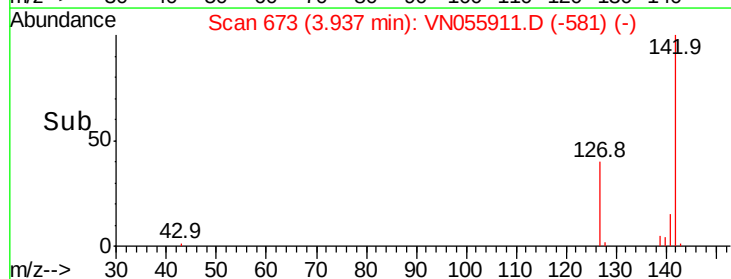
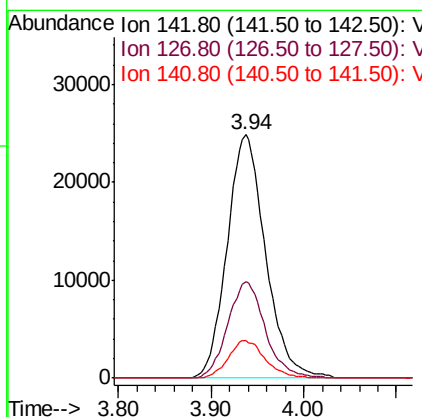
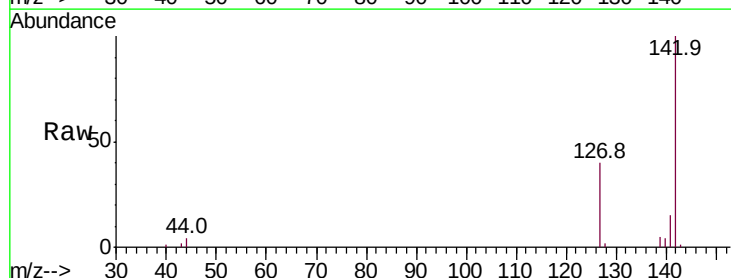
RT: 3.94 min Scan# 673

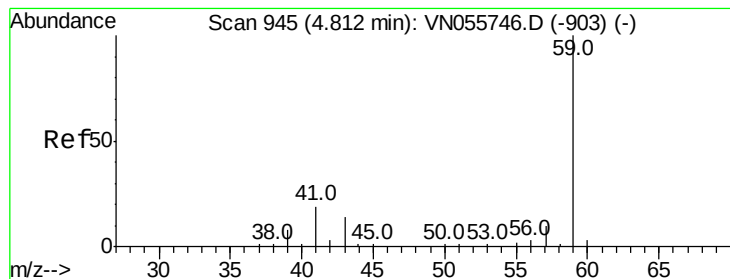
Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	142	Resp:	71417
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	14.8	11.4	17.0





#11

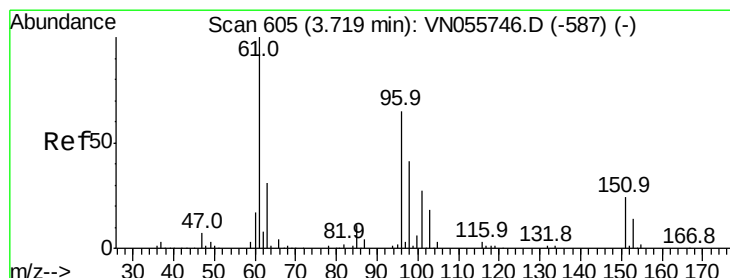
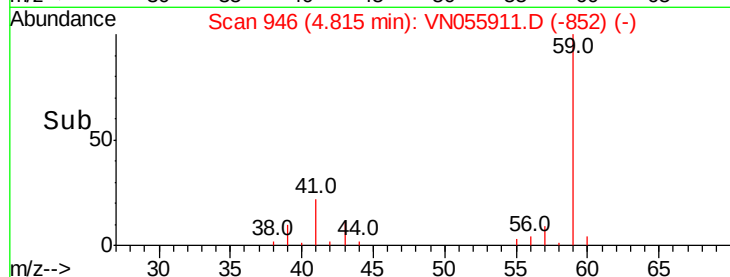
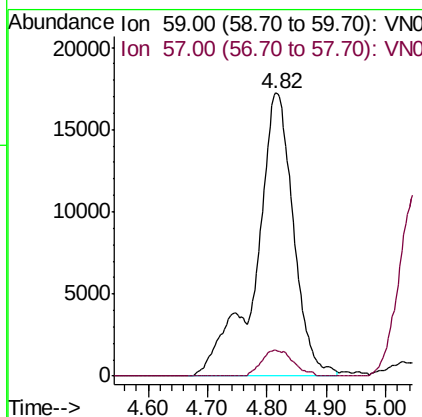
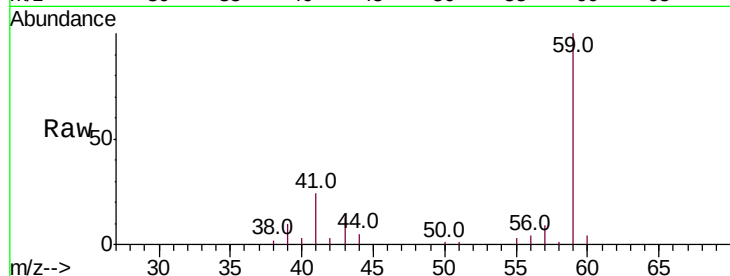
Tert butyl alcohol
 Concen: 129.029 ug/l m
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion: 59 Resp: 75860
 Ion Ratio Lower Upper
 59 100
 57 7.7 7.8 11.6#

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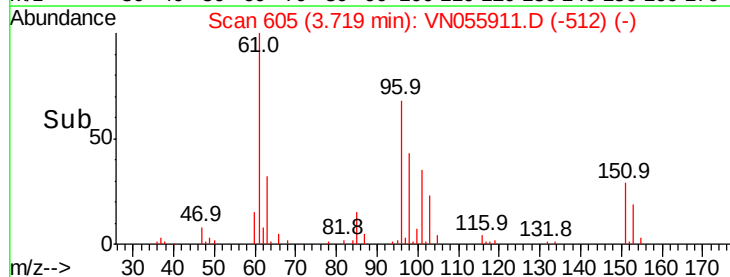
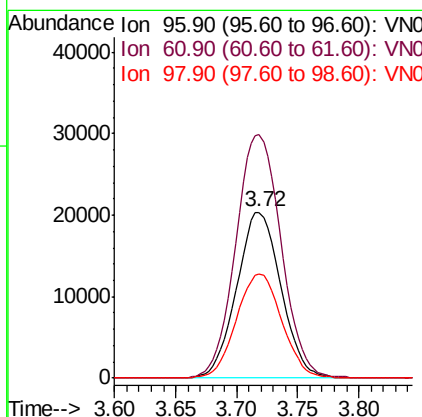
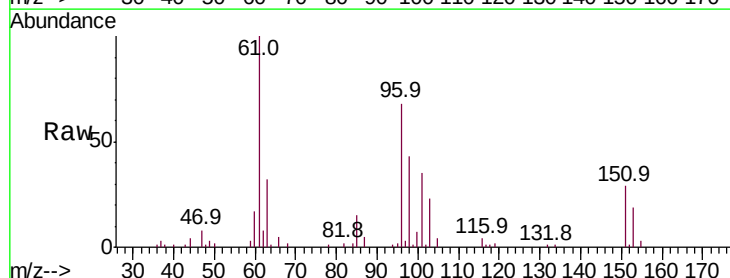
MMDadoda
 6/3/2019 4:12:08 PM

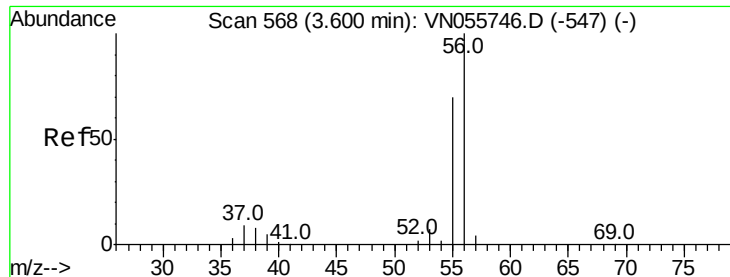


#12

1,1-Dichloroethene
 Concen: 20.219 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 96 Resp: 51237
 Ion Ratio Lower Upper
 96 100
 61 146.7 123.2 184.8
 98 63.1 50.4 75.6





#13

Acrolein

Concen: 68.692 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion: 56 Resp: 28918

Ion Ratio Lower Upper

56 100

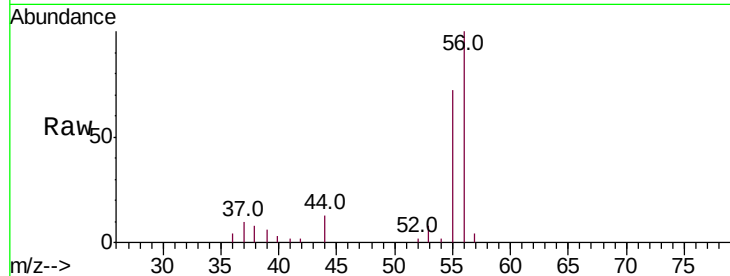
55 71.7 55.4 83.2

Manual Integrations

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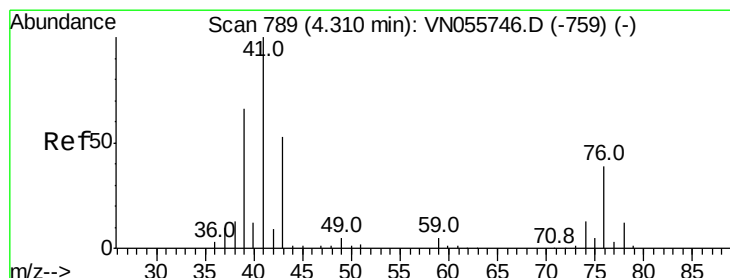
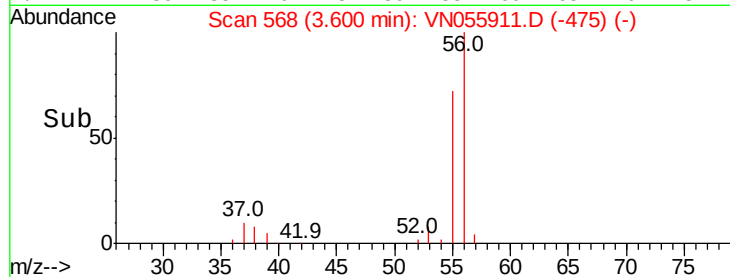
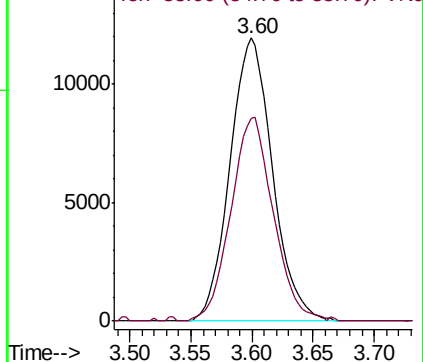
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.740 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

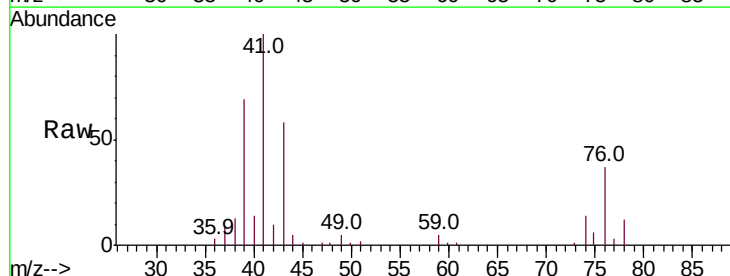
Tgt Ion: 41 Resp: 85753

Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

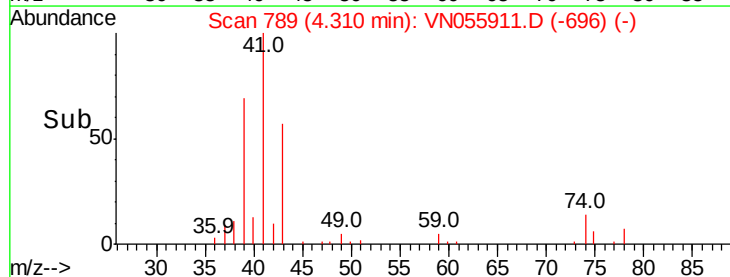
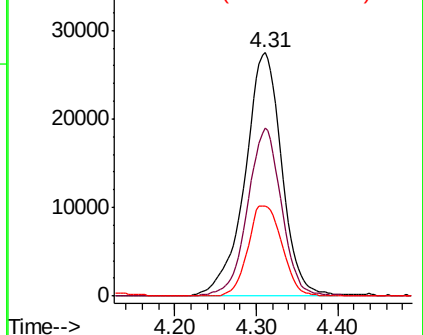
76 34.1 28.2 42.2

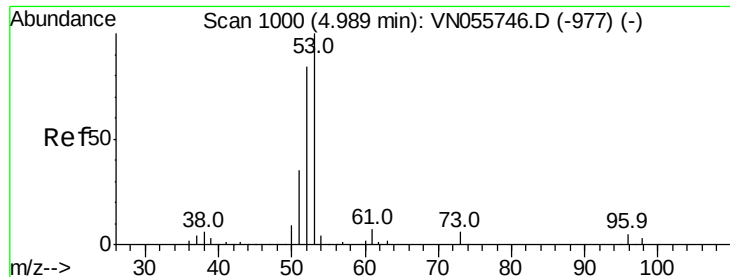


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.220 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

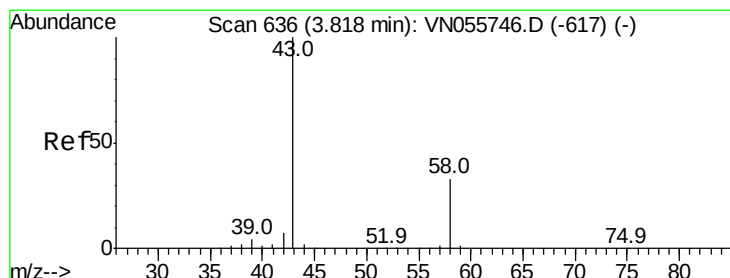
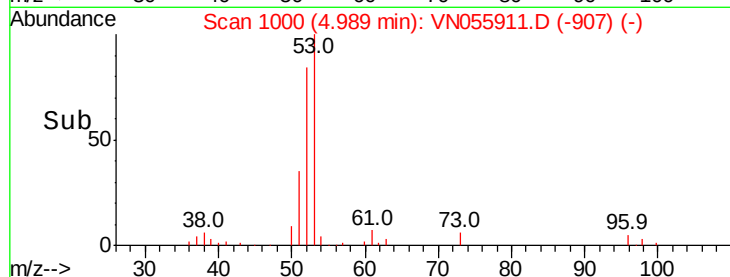
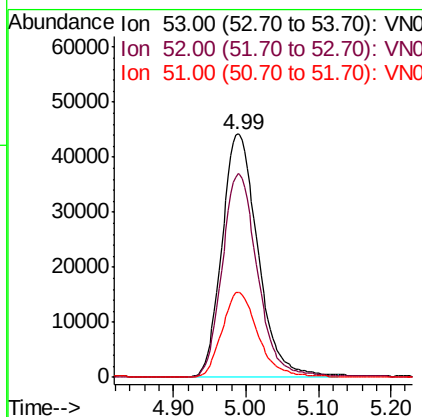
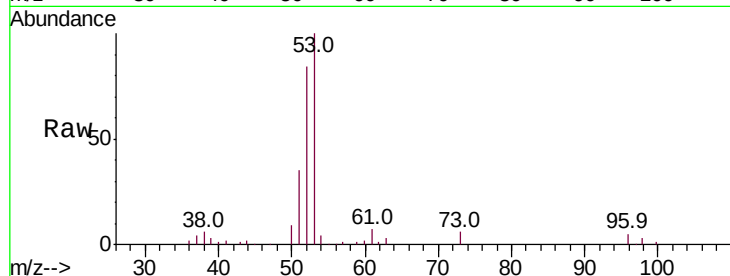
ClientSampleId :

VN0531WBS01

Tot Ion:	53	Resp:	152851
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.8	98.8
51	35.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 114.514 ug/l

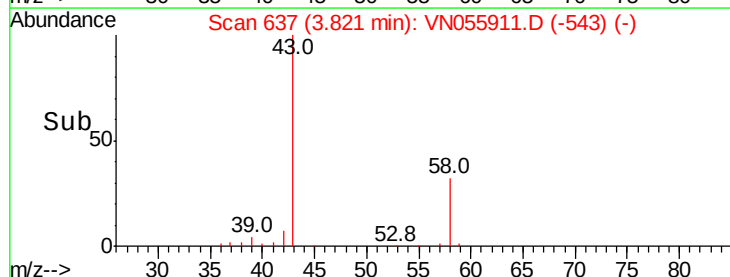
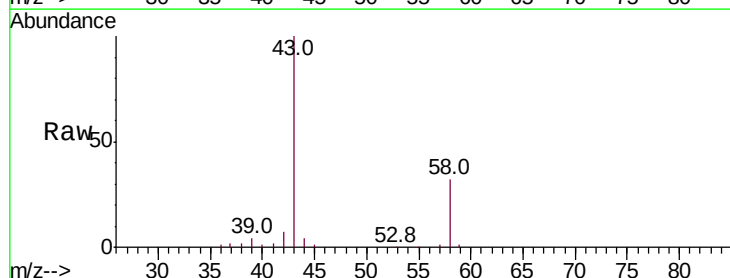
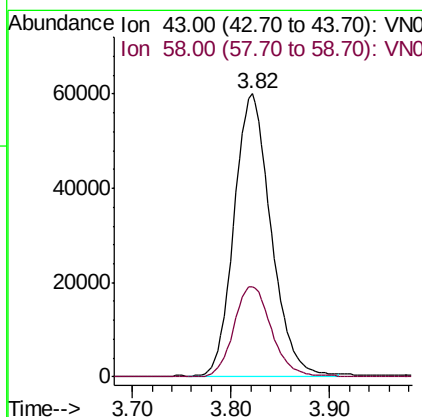
RT: 3.82 min Scan# 637

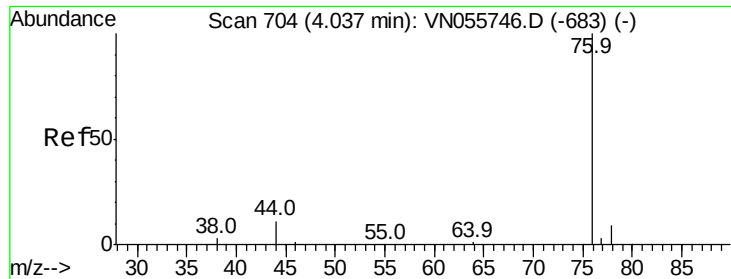
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	43	Resp:	154894
Ion Ratio	Lower	Upper	
43	100		
58	32.0	26.6	39.8





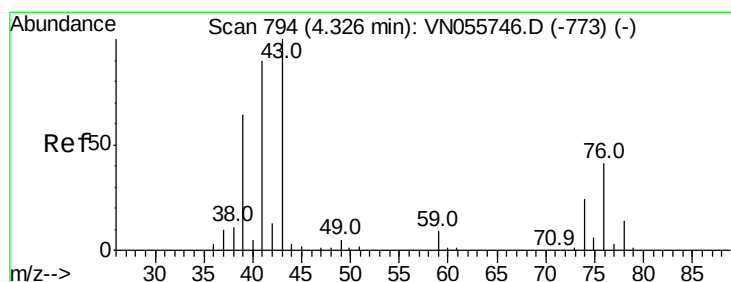
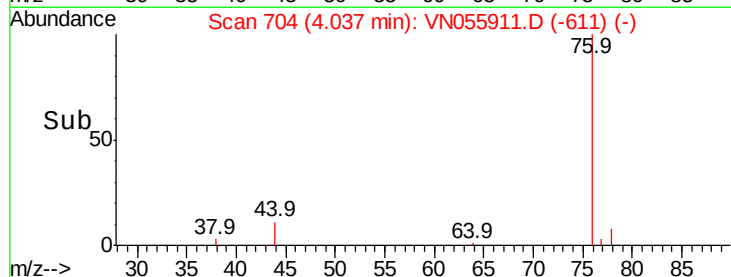
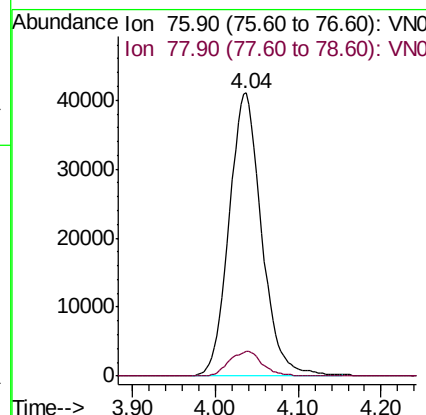
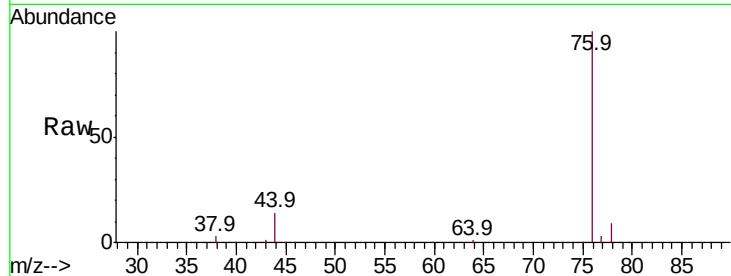
#17
Carbon Disulfide
Concen: 15.565 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

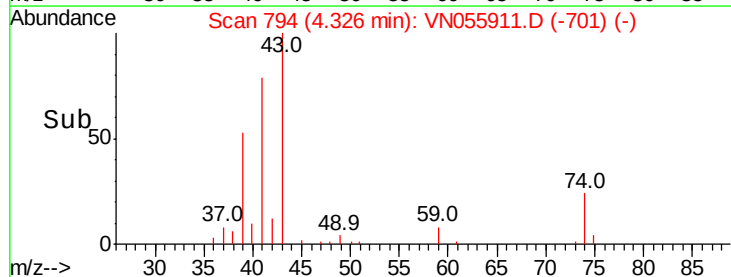
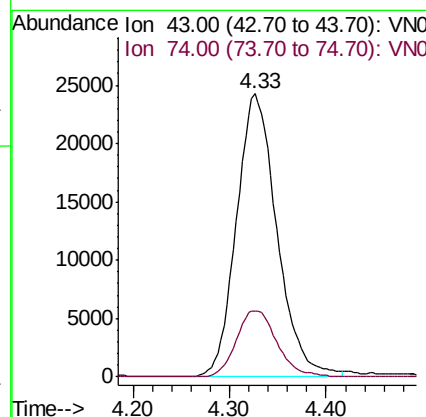
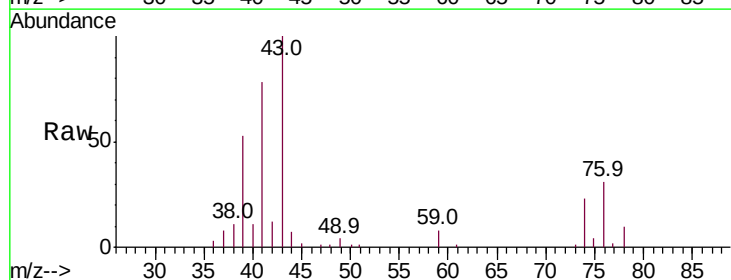
Manual Integrations
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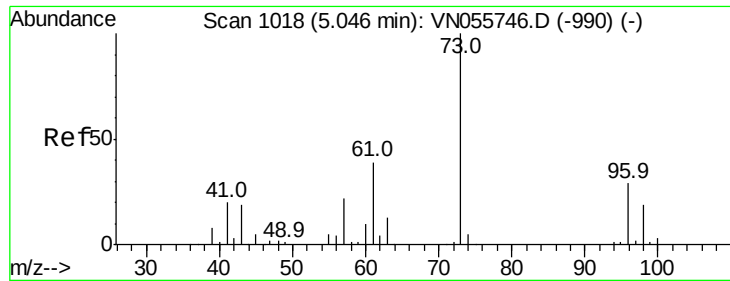
MMDadoda
6/3/2019 4:12:08 PM



#18
Methyl Acetate
Concen: 25.064 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	19.3	28.9





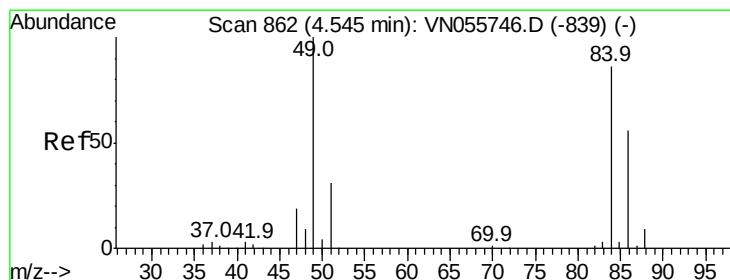
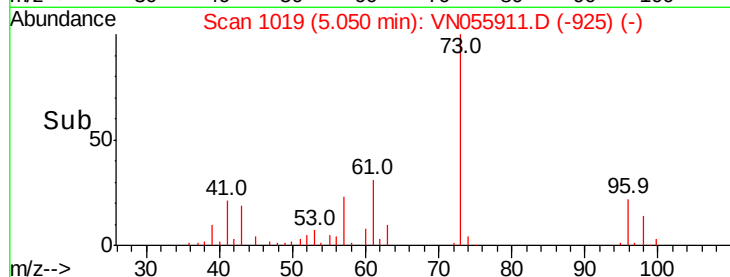
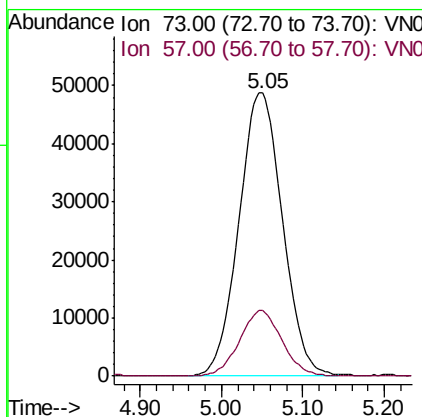
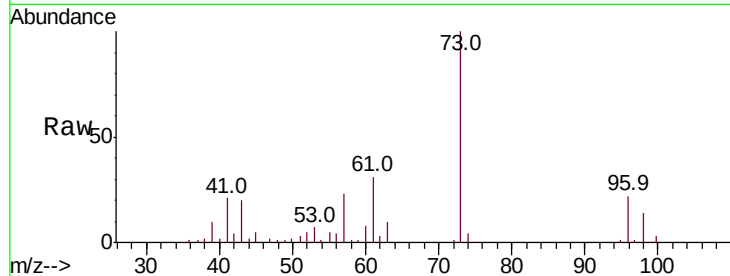
#19
Methyl tert-butyl Ether
Concen: 21.380 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion: 73 Resp: 180695
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.8

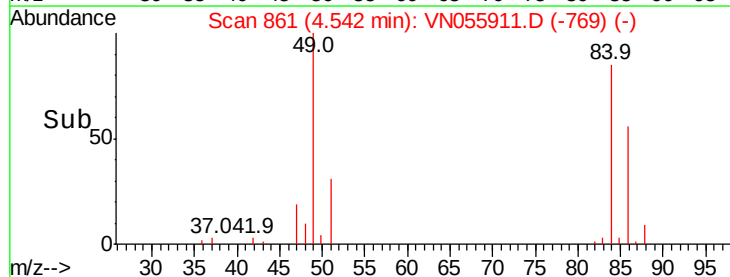
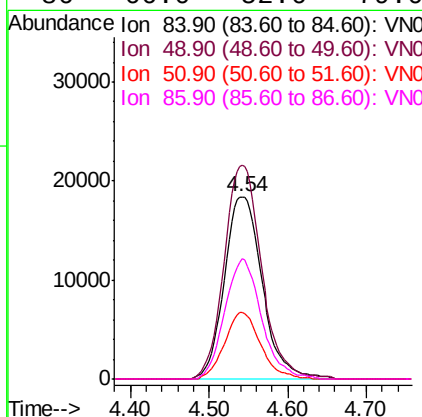
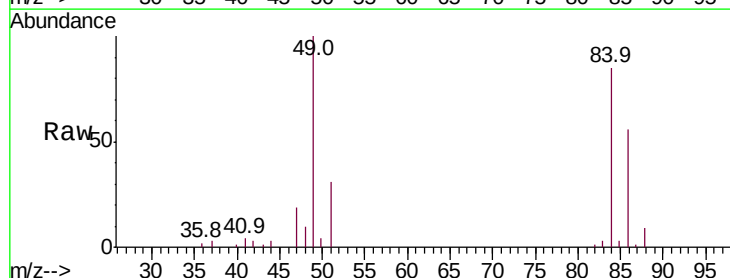
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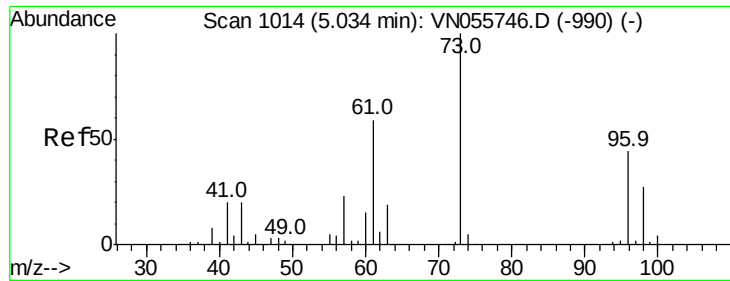
MMDadoda
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#20
Methylene Chloride
Concen: 21.107 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 84 Resp: 61828
Ion Ratio Lower Upper
84 100
49 117.1 93.5 140.3
51 36.6 28.6 43.0
86 66.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.828 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion: 96 Resp: 53980

Ion Ratio Lower Upper

96 100

61 134.4 107.8 161.8

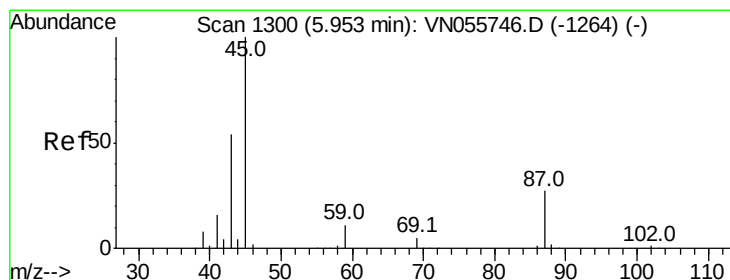
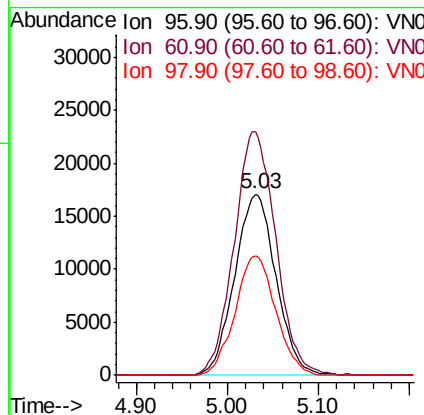
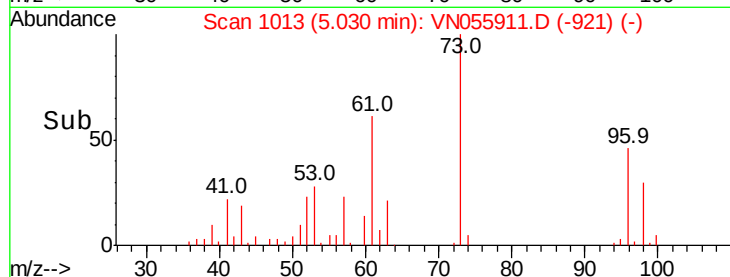
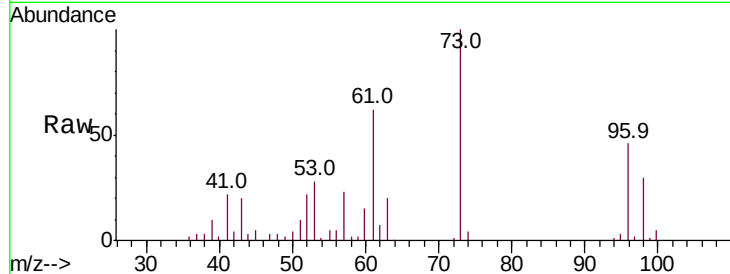
98 65.7 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.718 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion: 45 Resp: 183496

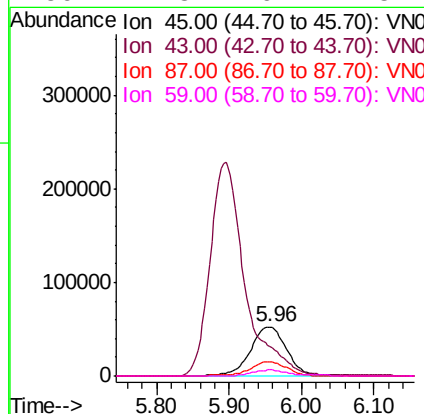
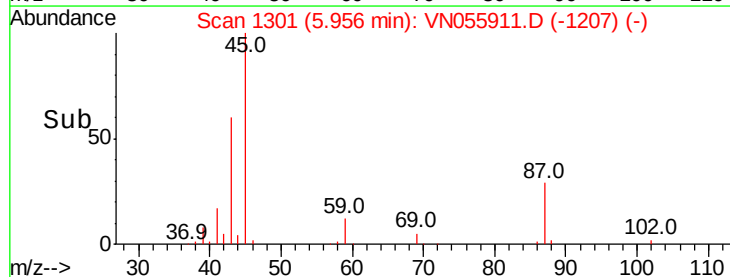
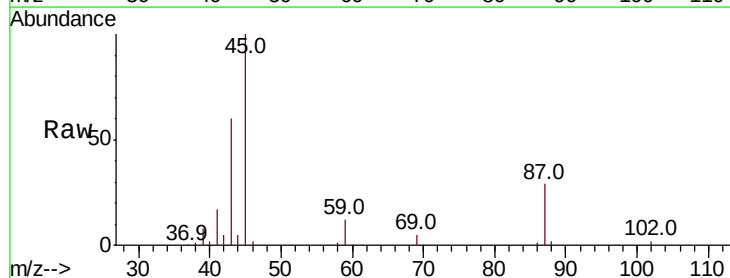
Ion Ratio Lower Upper

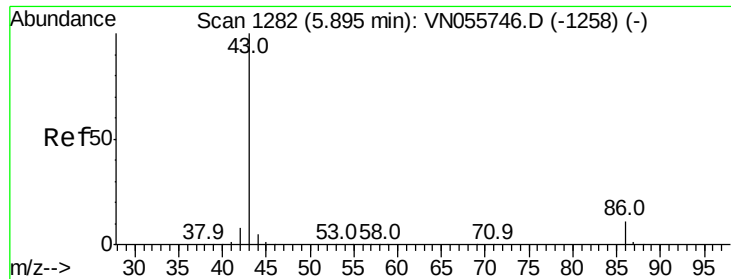
45 100

43 58.2 45.0 67.6

87 28.2 22.2 33.4

59 11.8 9.1 13.7





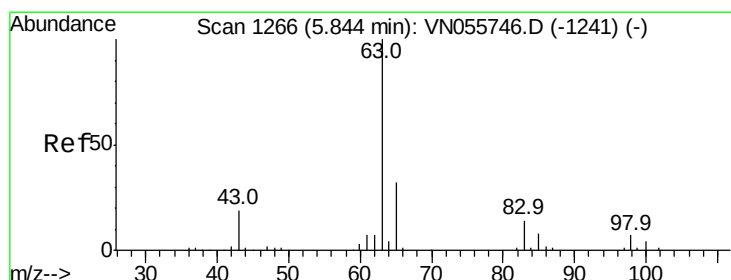
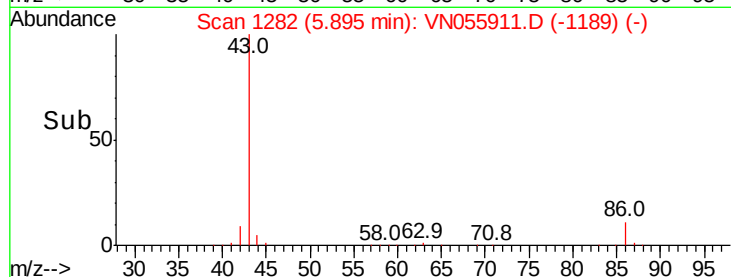
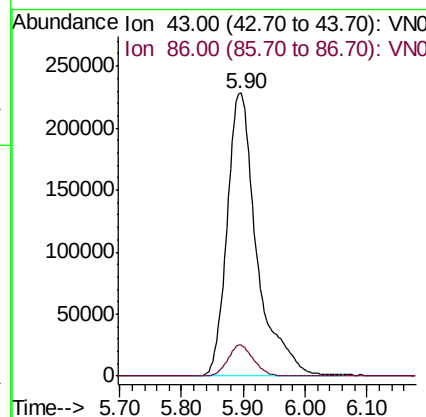
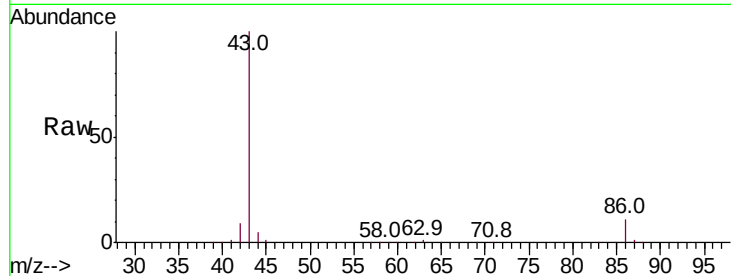
#23
 Vinyl Acetate
 Concen: 105.441 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.6	13.0

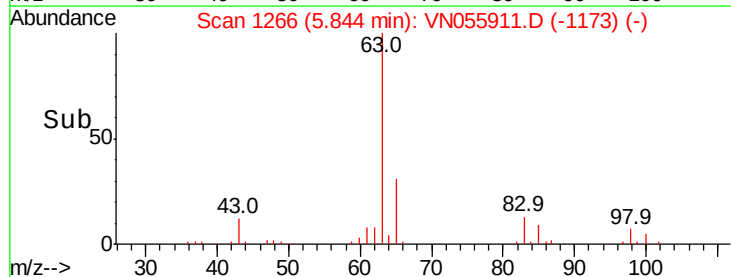
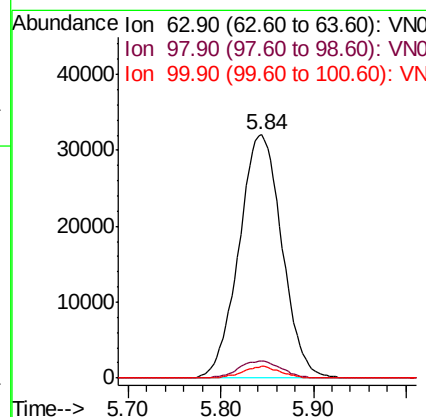
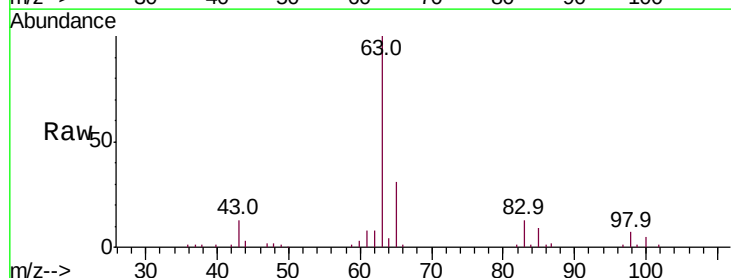
Manual Integrations
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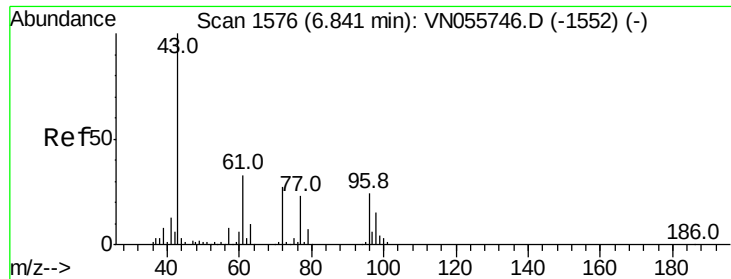
MMDadoda
 6/3/2019 4:12:08 PM



#24
 1,1-Dichloroethane
 Concen: 20.962 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	5.0	2.2	6.6





#25

2-Butanone

Concen: 113.701 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion: 43 Resp: 214785

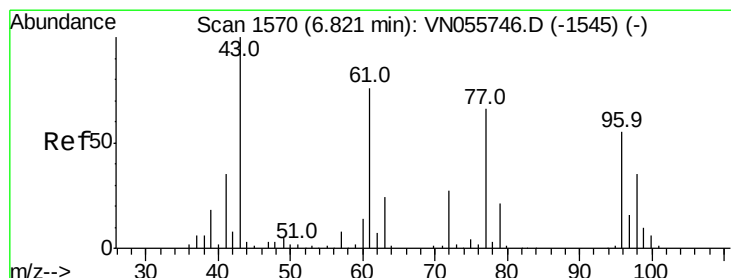
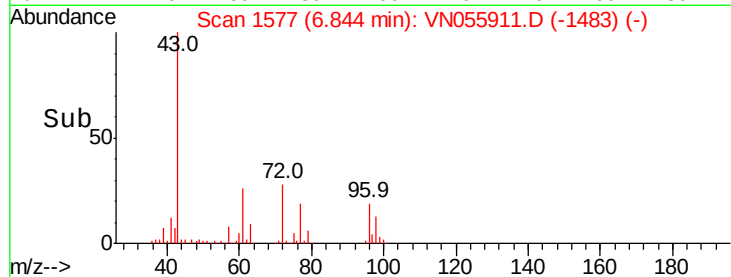
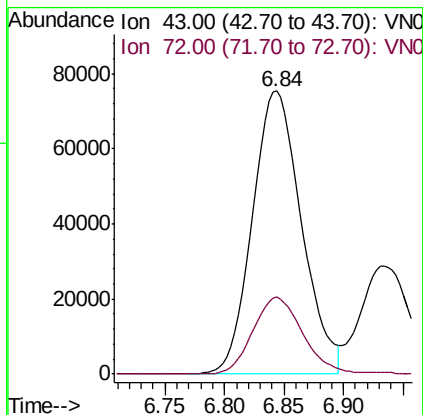
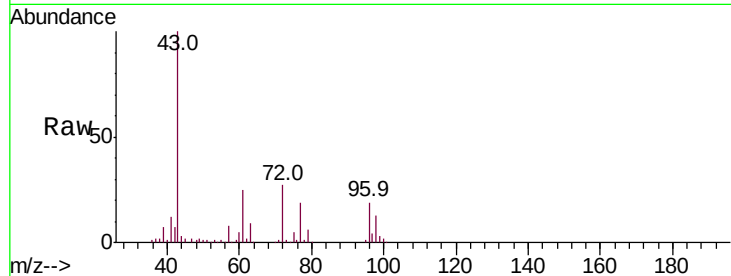
Ion Ratio Lower Upper

43 100

72 27.6 21.9 32.9

Manual Integrations
APPROVED

MMDadoda
6/3/2019 4:12:08 PM



#26

2,2-Dichloropropane

Concen: 19.399 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055911.D

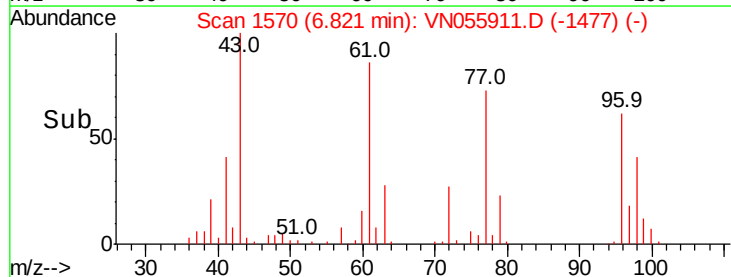
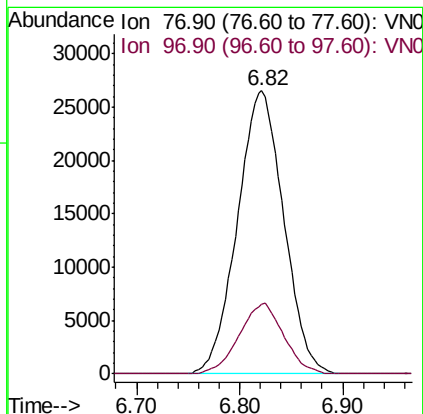
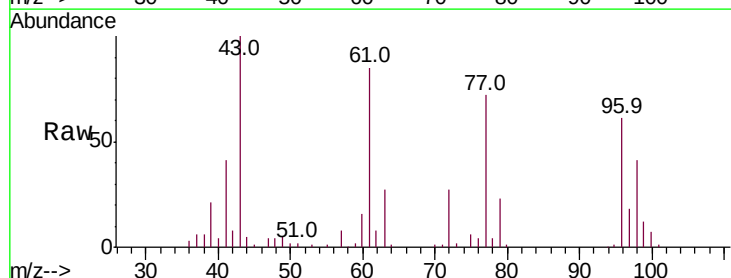
Acq: 31 May 2019 11:47

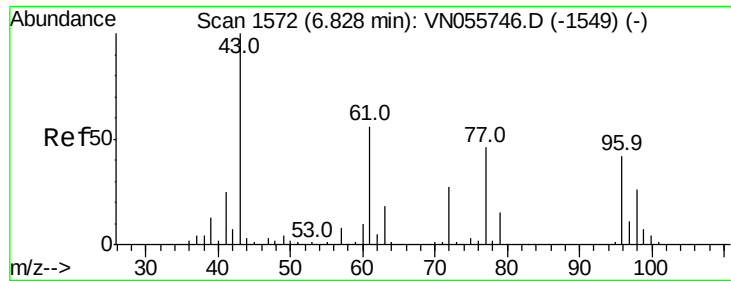
Tgt Ion: 77 Resp: 82592

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.233 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

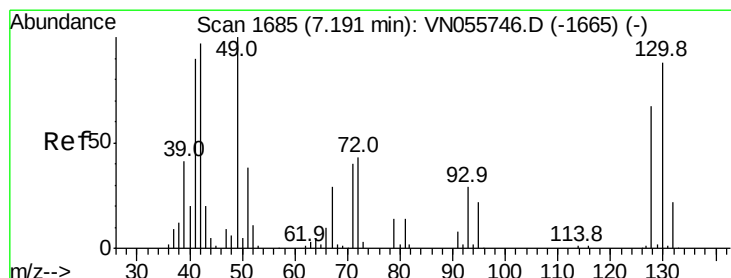
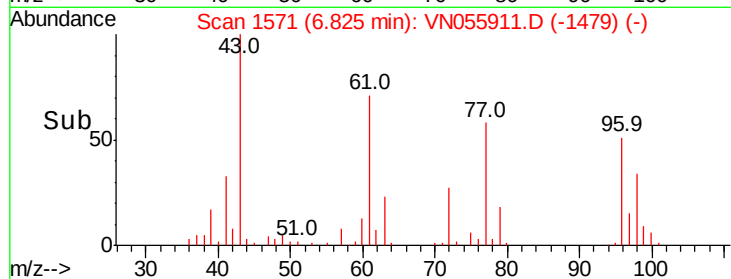
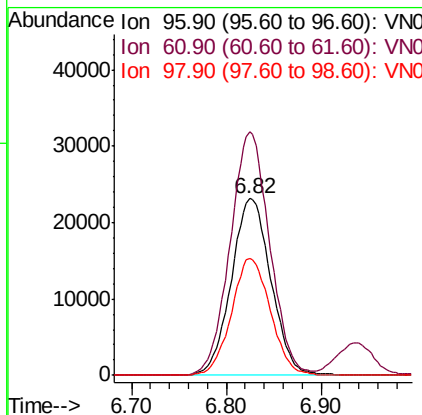
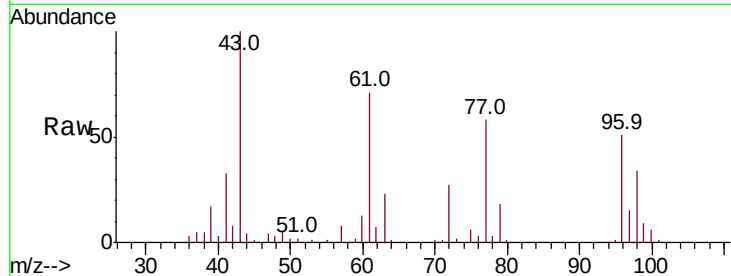
ClientSampleId :

VN0531WBS01

Tot Ion:	96	Resp:	67440
Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	275.8
98	64.9	0.0	128.4

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#28

Bromochloromethane

Concen: 22.529 ug/l

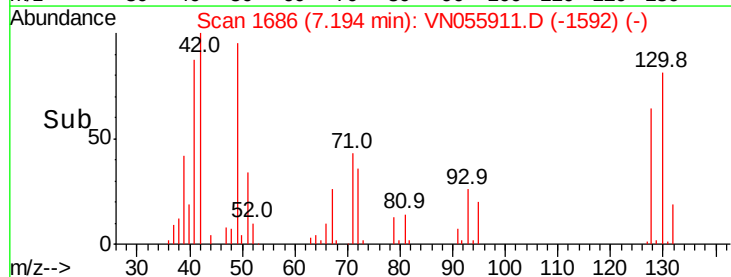
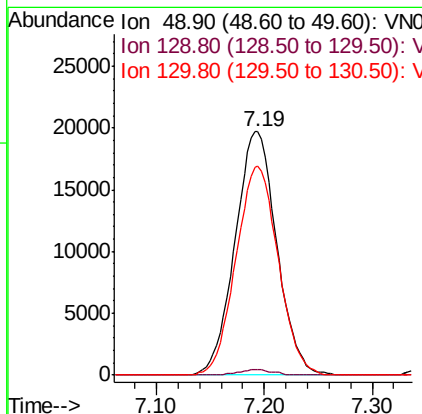
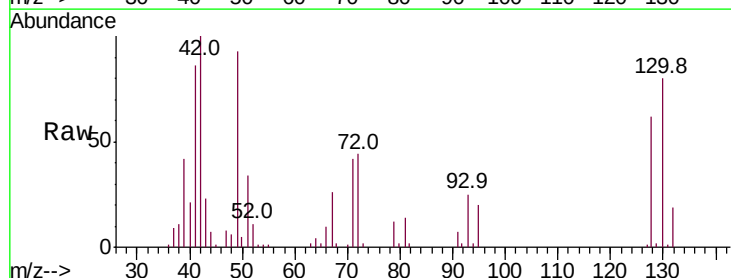
RT: 7.19 min Scan# 1686

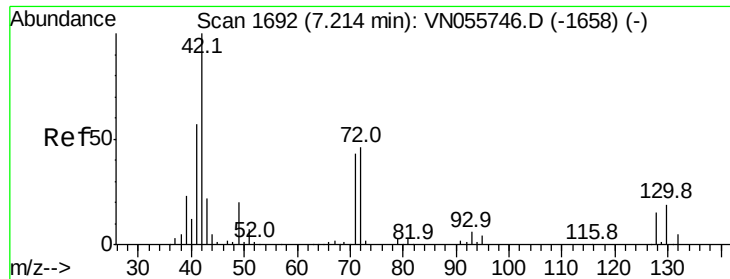
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	49	Resp:	52768
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	86.9	71.2	106.8





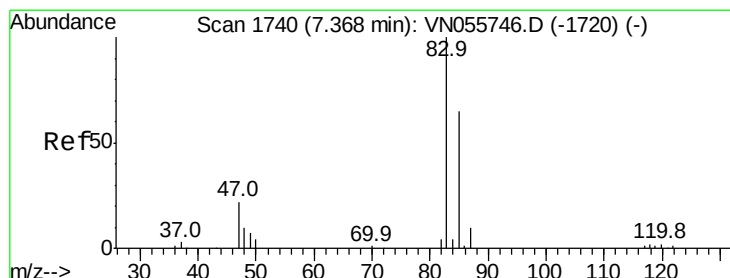
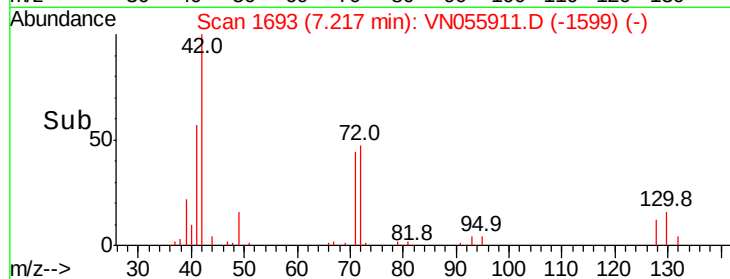
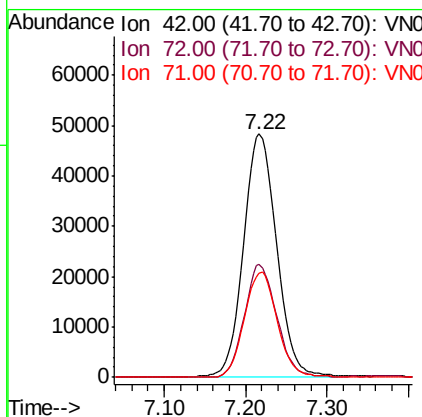
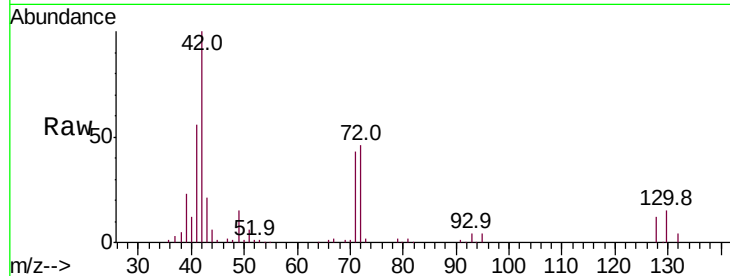
#29
Tetrahydrofuran
Concen: 113.638 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.9	53.9
71	42.4	34.0	51.0

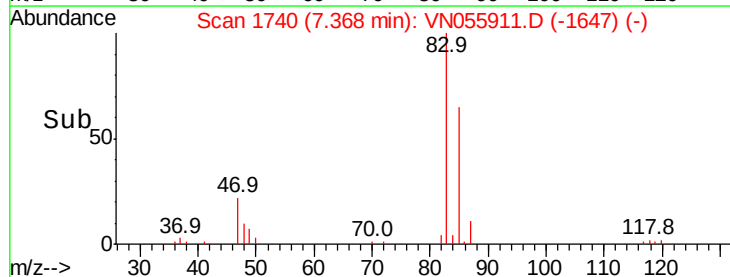
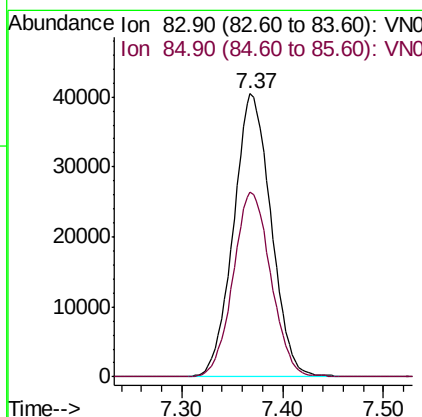
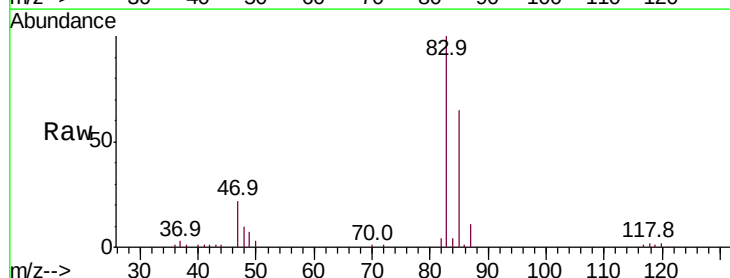
Manual Integrations
APPROVED

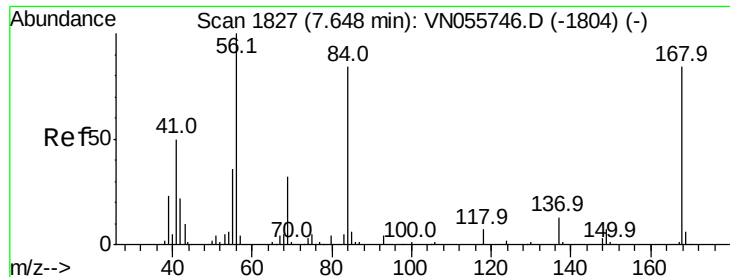
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#30
Chloroform
Concen: 21.269 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





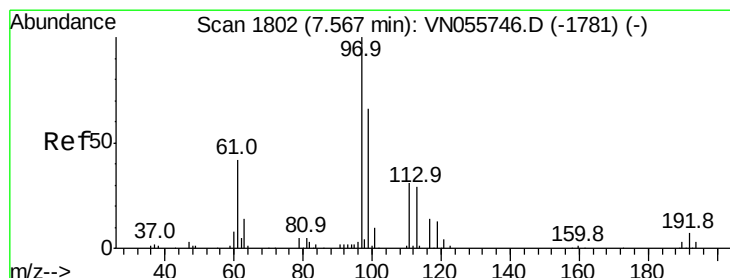
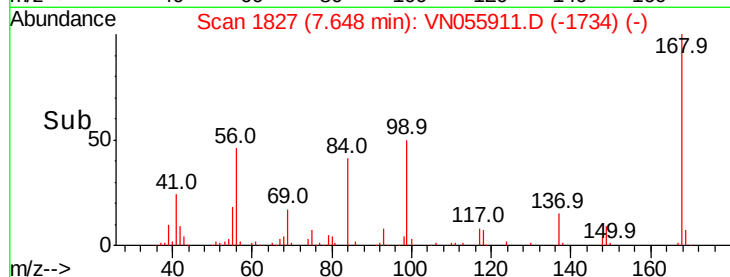
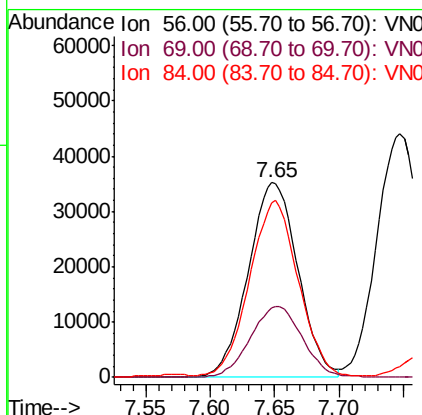
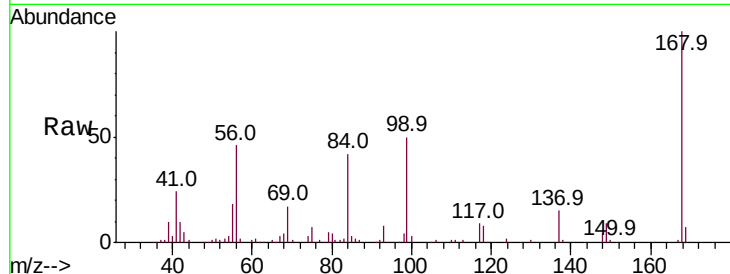
#31
Cyclohexane
Concen: 20.460 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	56	Resp	94498
Ion Ratio	100	Lower	Upper
56	100		
69	36.0	25.6	38.4
84	88.6	67.4	101.0

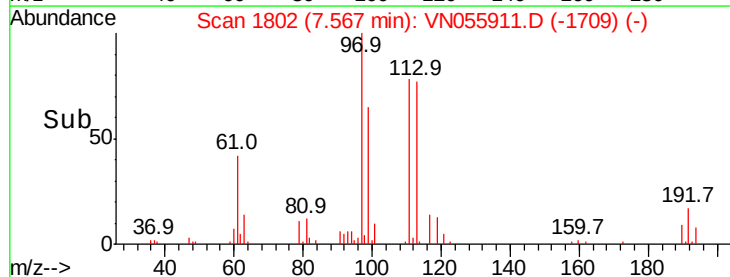
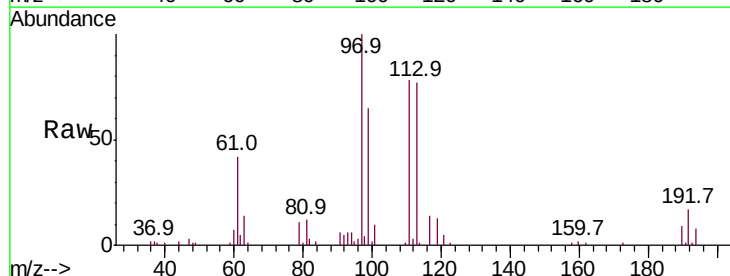
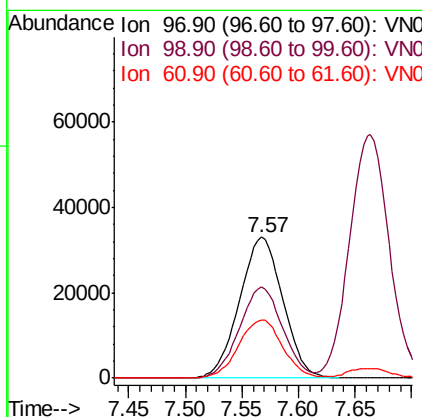
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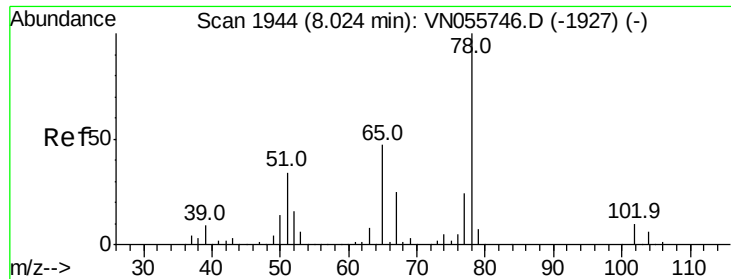
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#32
1,1,1-Trichloroethane
Concen: 20.132 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	97	Resp	88136
Ion Ratio	100	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	41.8	32.9	49.3





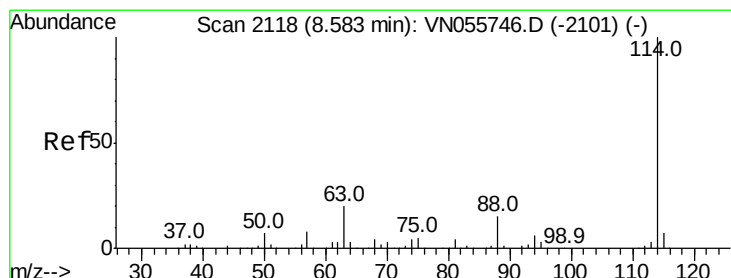
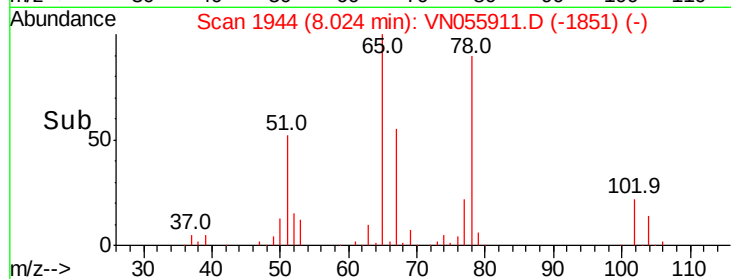
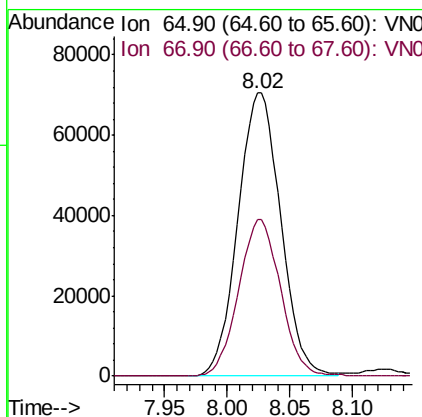
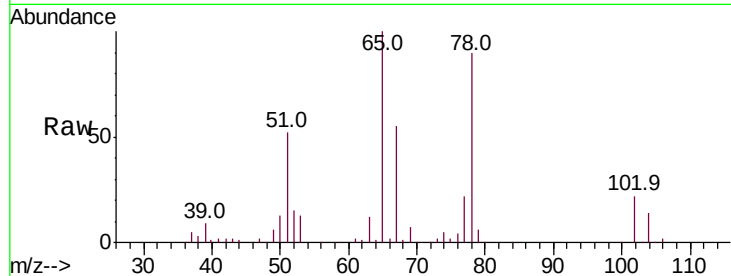
#33
 1,2-Dichloroethane-d4
 Concen: 54.271 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	166995		
67	54.3	0.0	109.2	

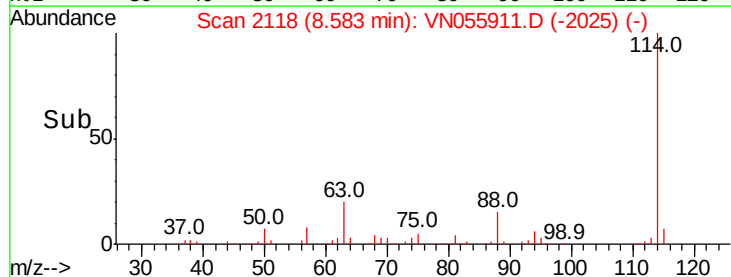
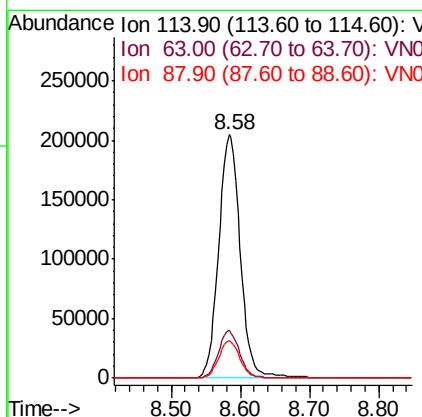
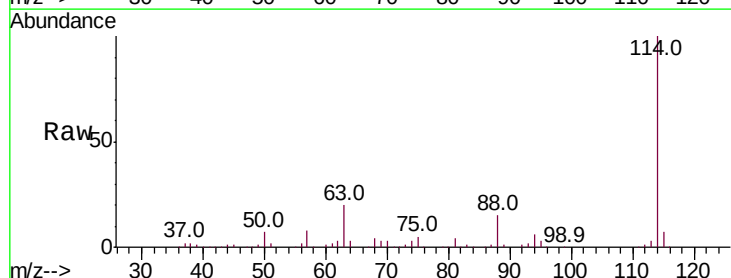
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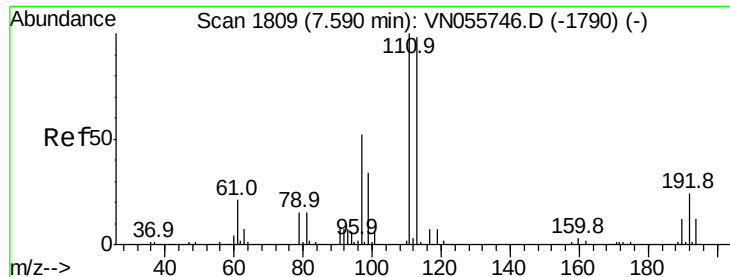
MMDadoda
 6/3/2019 4:12:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	443844		
63	19.5	0.0	39.2	
88	15.2	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.964 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

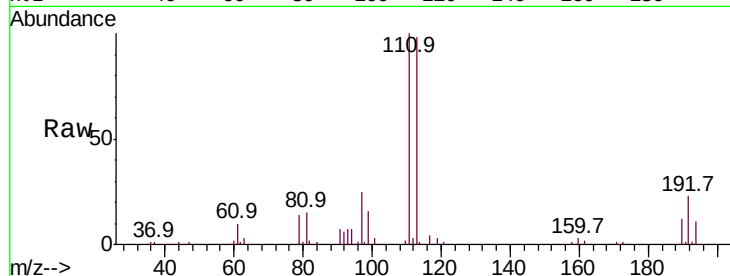
ClientSampleId :

VN0531WBS01

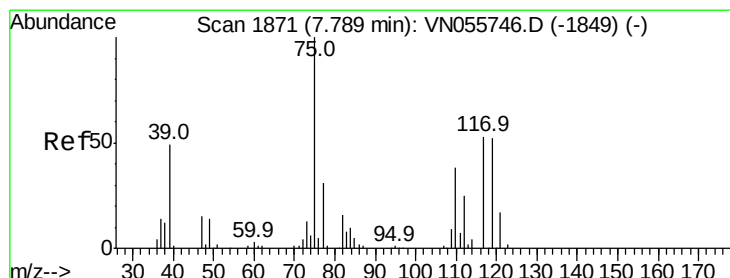
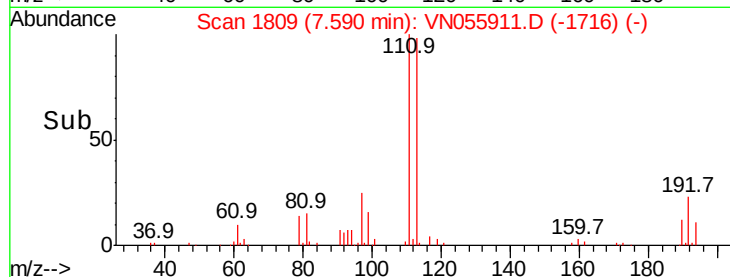
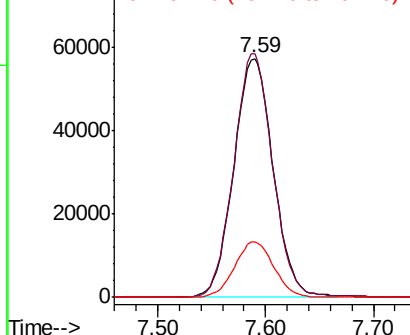
Tot Ion:	113	Resp:	145817
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.9	122.9
192	23.2	19.5	29.3

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.163 ug/l

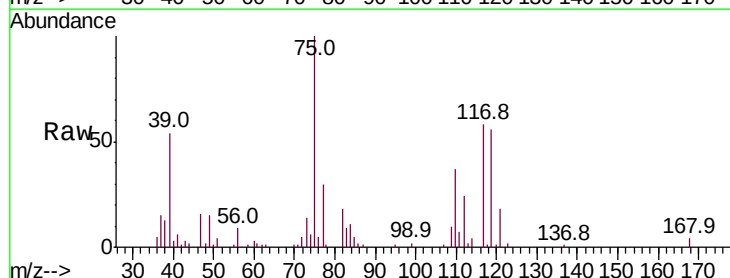
RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

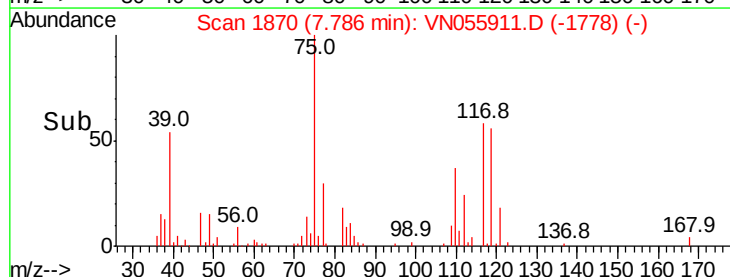
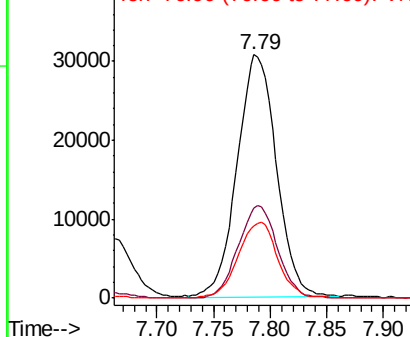
Lab File: VN055911.D

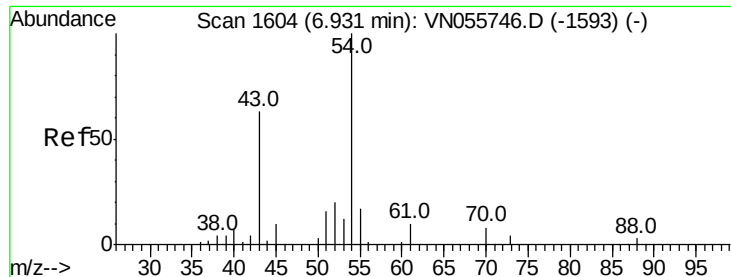
Acq: 31 May 2019 11:47

Tgt Ion:	75	Resp:	74120
Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.0	57.0
77	31.6	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 22.121 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055911.D

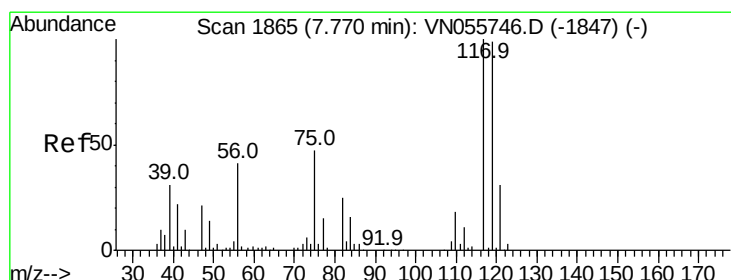
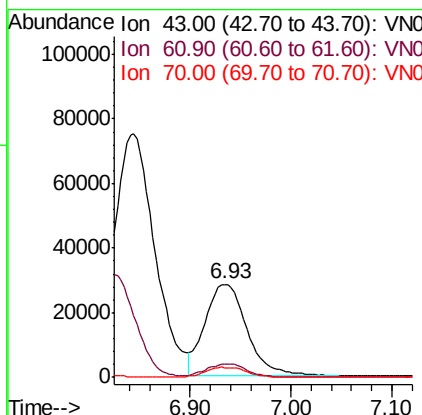
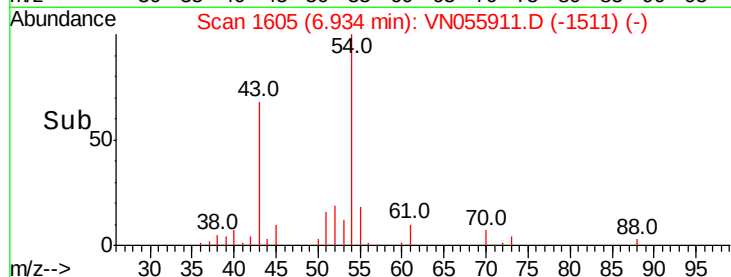
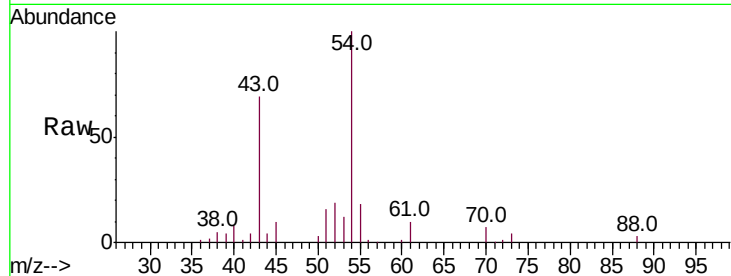
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.6	8.9	13.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.030 ug/l

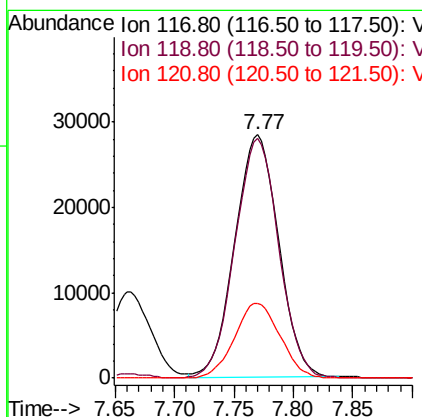
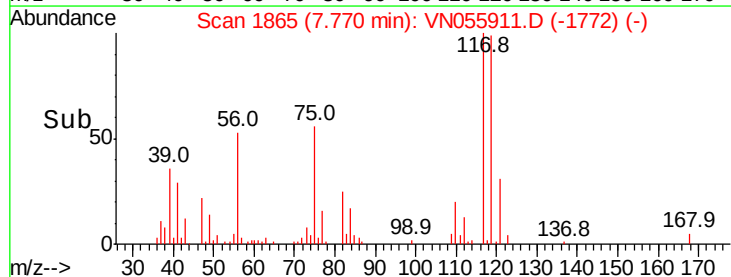
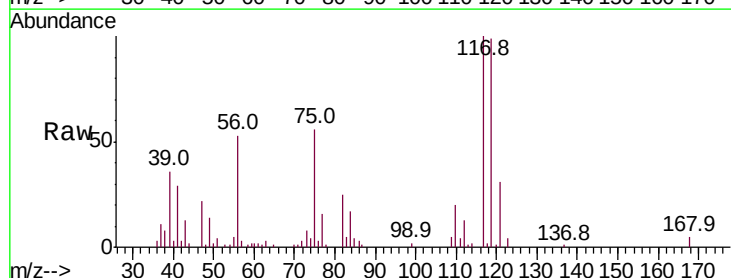
RT: 7.77 min Scan# 1865

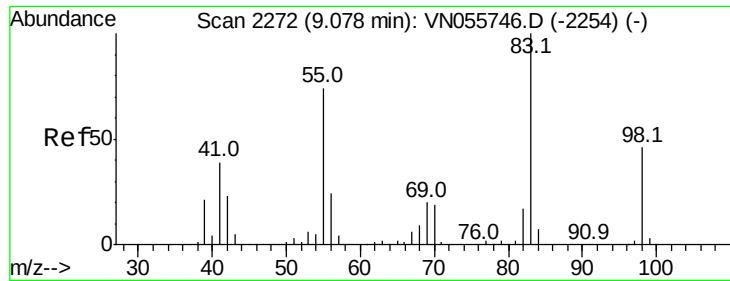
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	79.0	118.6
121	31.0	24.7	37.1





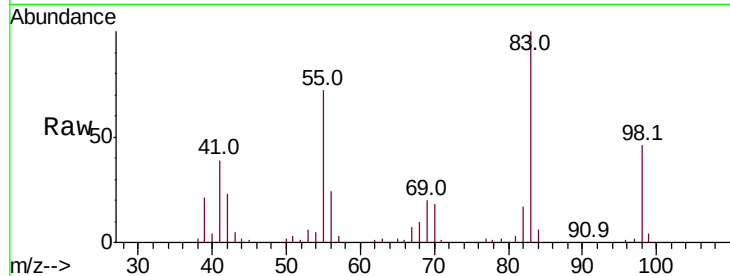
#39
Methylvlcyclohexane
Concen: 19.486 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	83	Resp	93332
Ion Ratio	100	Lower	Upper
83	100		
55	71.5	59.3	88.9
98	45.8	36.6	54.8

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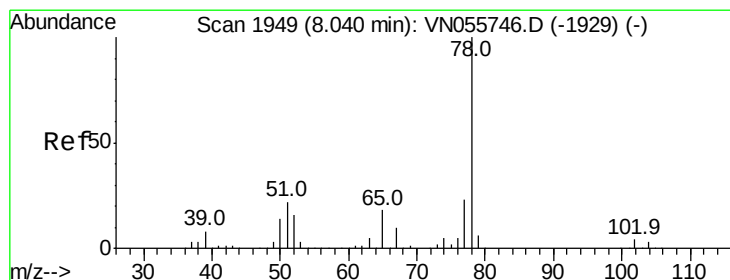
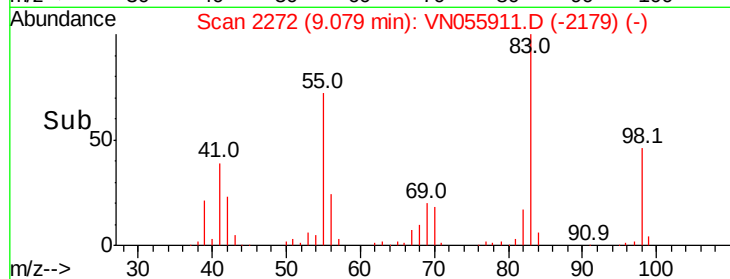
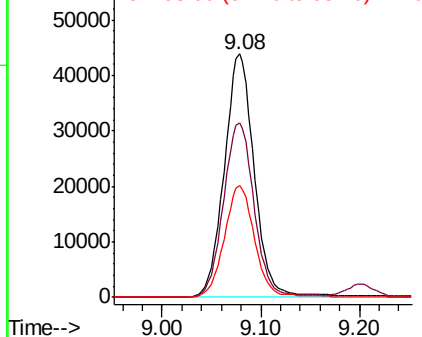


Abundance

Ion 83.00 (82.70 to 83.70): VN0

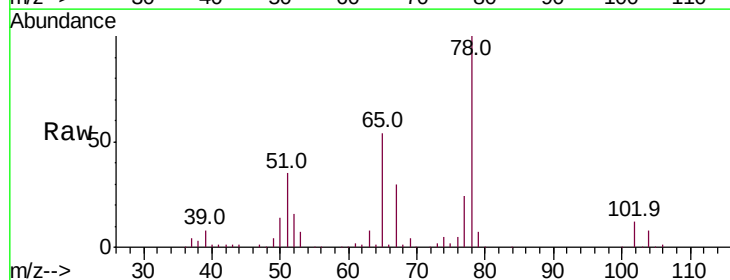
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.835 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

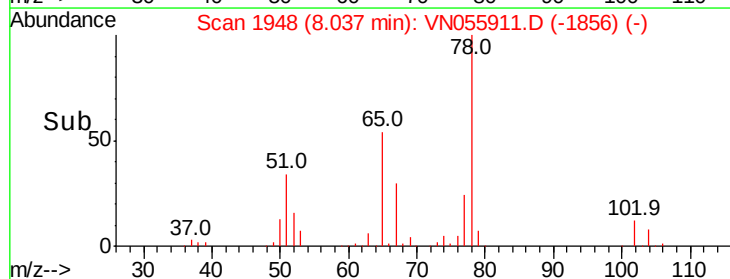
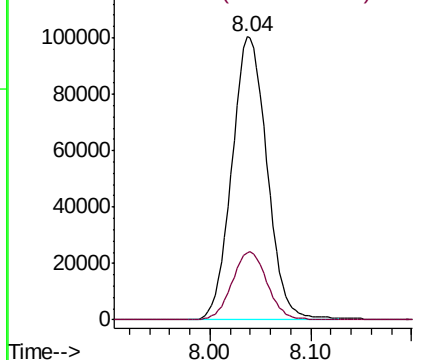
Tgt Ion	78	Resp	242876
Ion Ratio	100	Lower	Upper
78	100		
77	23.8	18.8	28.2

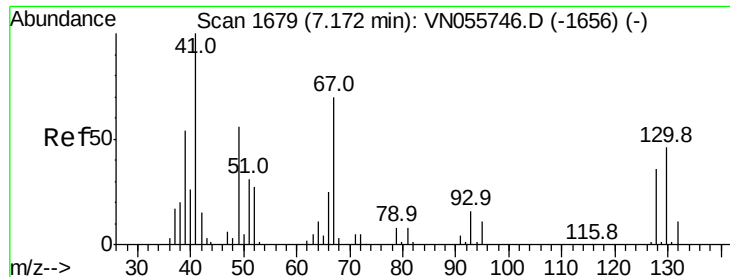


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 18.382 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion: 41 Resp: 34716

Ion Ratio Lower Upper

41 100

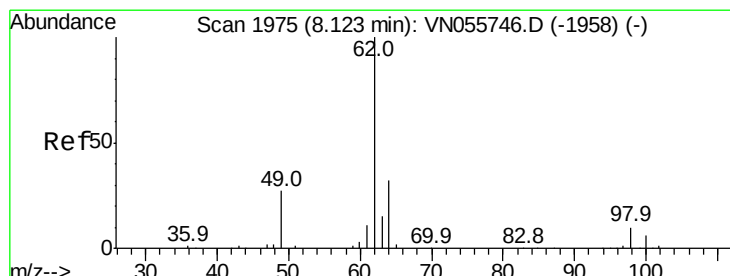
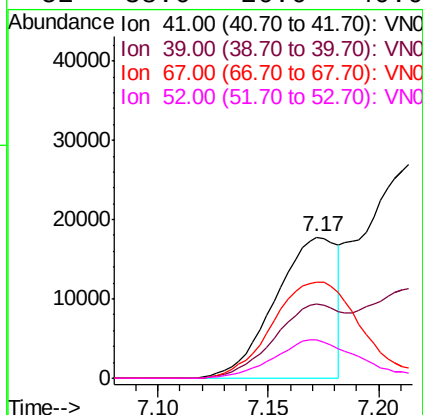
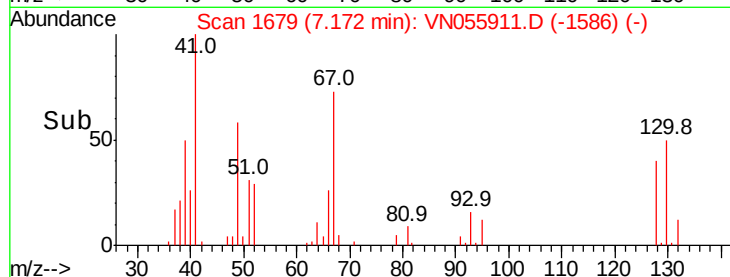
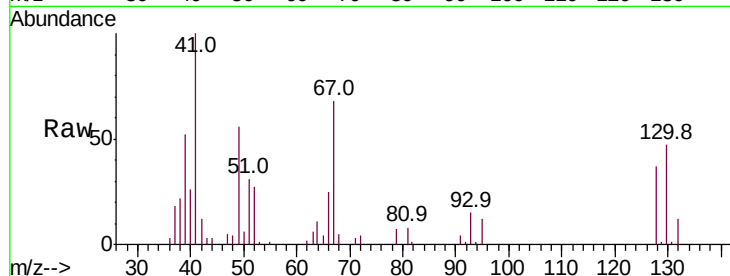
39 57.0 45.6 68.4

67 98.1 67.7 101.5

52 38.6 26.6 40.0

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#42

1,2-Dichloroethane

Concen: 21.368 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN055911.D

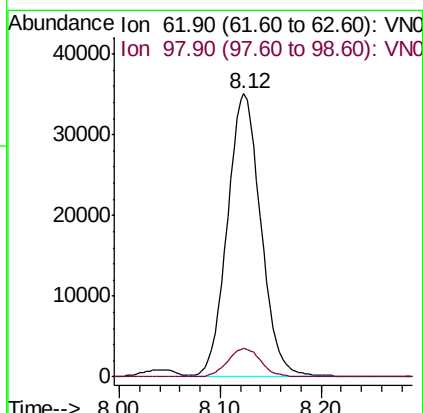
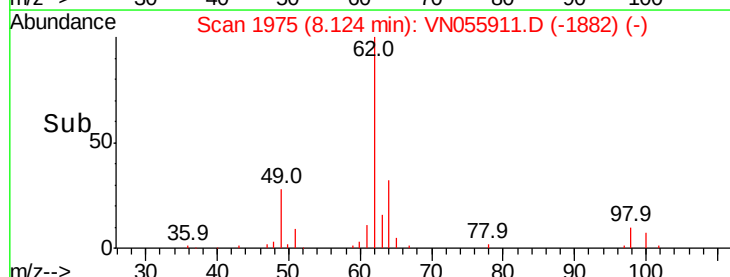
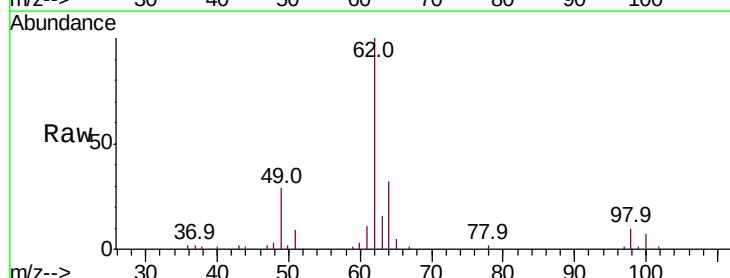
Acq: 31 May 2019 11:47

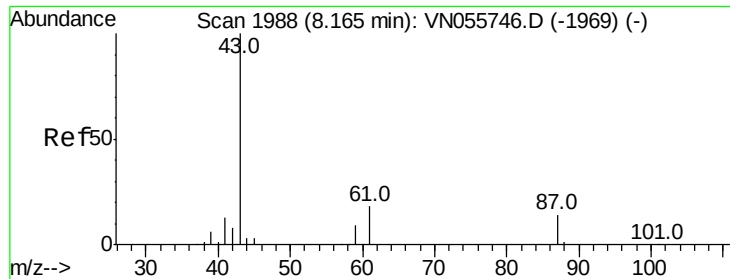
Tgt Ion: 62 Resp: 81392

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.2





#43

Isopropyl Acetate

Concen: 20.379 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

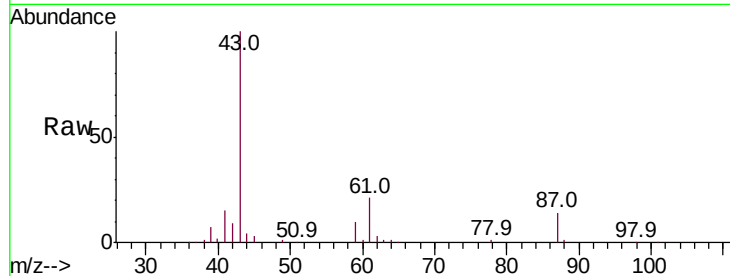
ClientSampleId :

VN0531WBS01

Tot Ion:	43	Resp:	128000
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.2	33.4#
87	14.1	11.4	17.2

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Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.17

60000

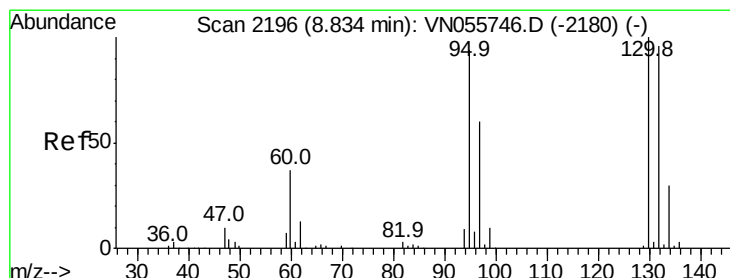
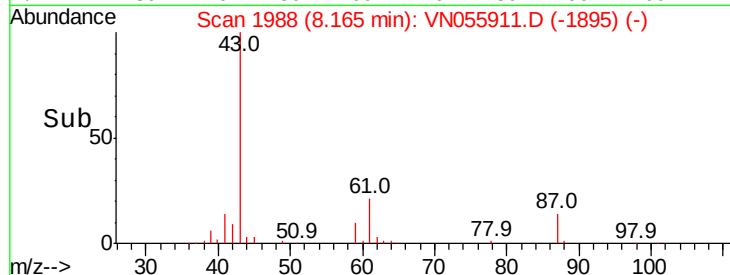
40000

20000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 20.570 ug/l

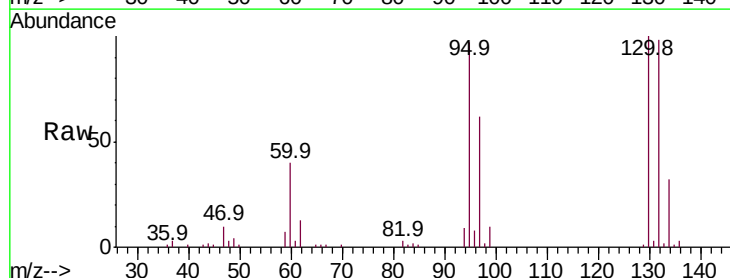
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	130	Resp:	66849
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.83

30000

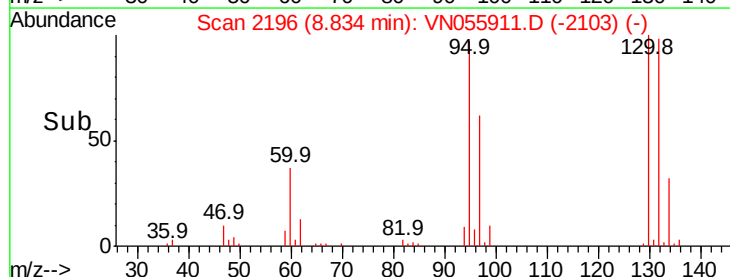
20000

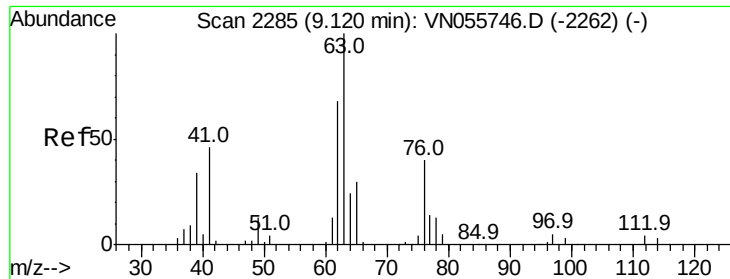
10000

0

8.80 8.90

Time-->





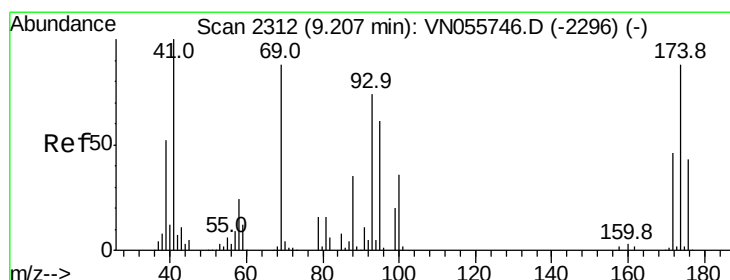
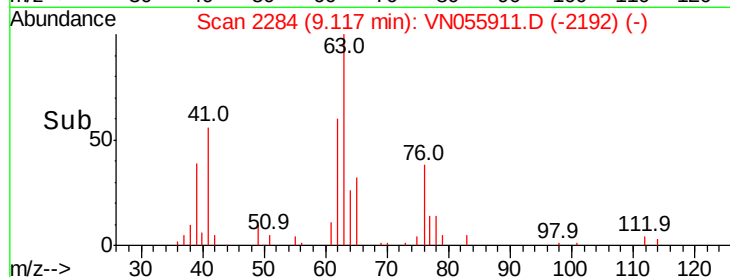
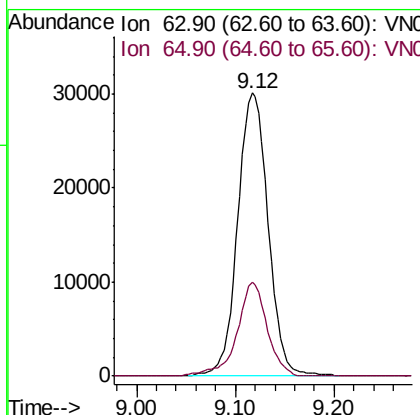
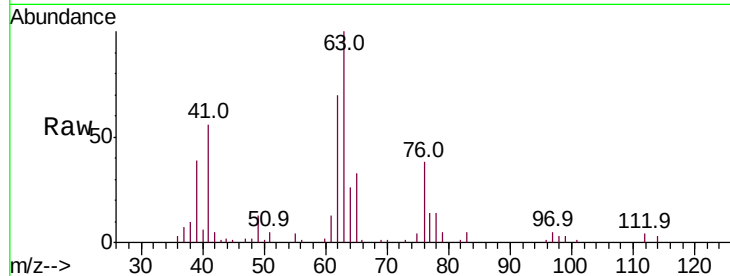
#45
 1,2-Dichloropropane
 Concen: 21.226 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion: 63 Resp: 64467
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.6 36.8

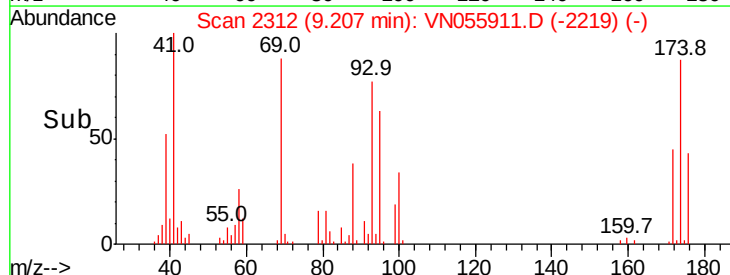
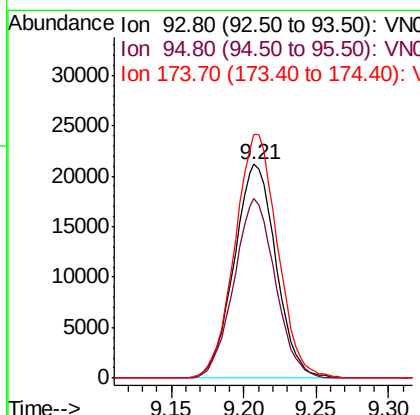
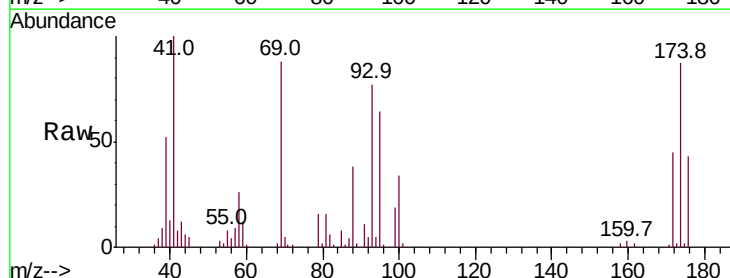
Manual Integrations
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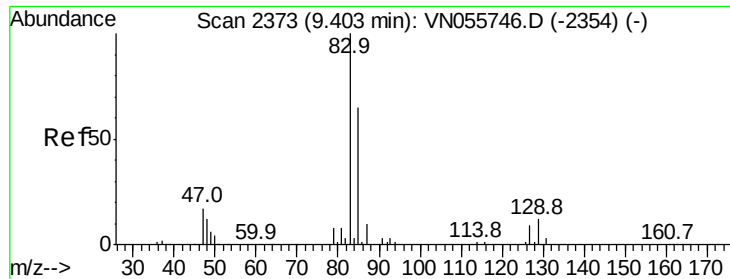
MMDadoda
 6/3/2019 4:12:08 PM



#46
 Dibromomethane
 Concen: 21.321 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 93 Resp: 42467
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.7 100.1
 174 116.5 96.4 144.6





#47

Bromodichloromethane

Concen: 19.311 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

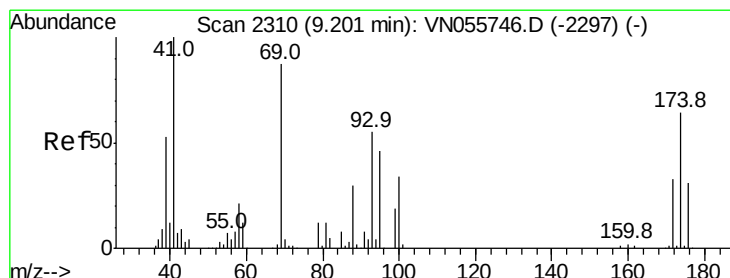
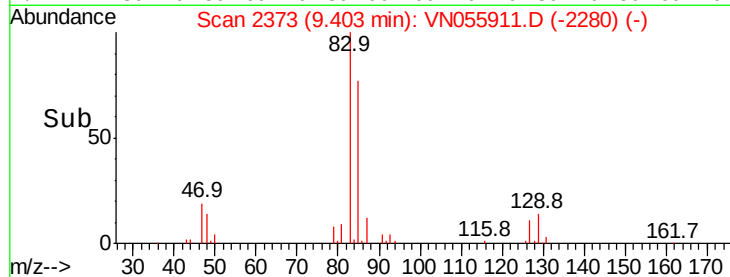
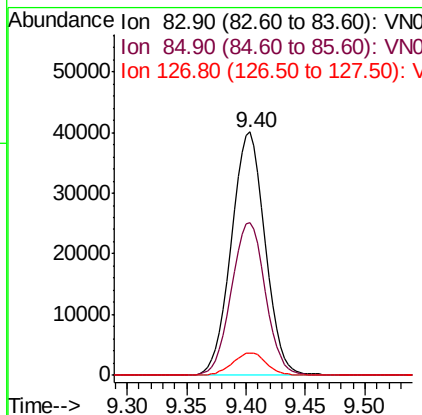
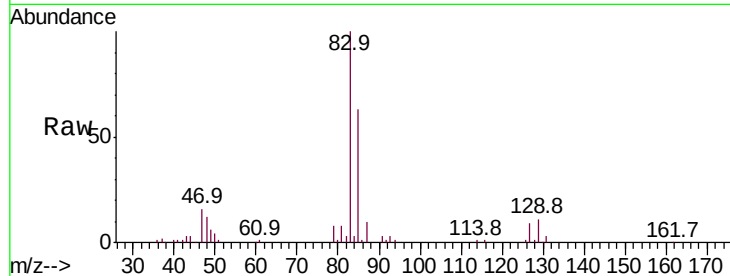
ClientSampleId :

VN0531WBS01

Tot Ion:	83	Resp:	78870
Ion Ratio	Lower	Upper	
83	100		
85	62.7	52.2	78.2
127	9.3	7.4	11.0

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#48

Methyl methacrylate

Concen: 21.666 ug/l

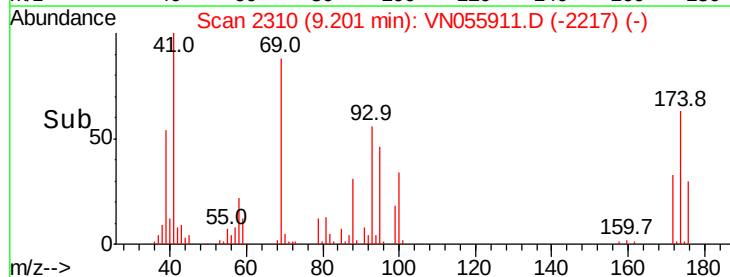
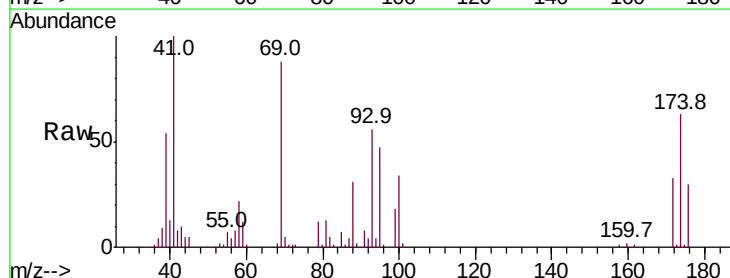
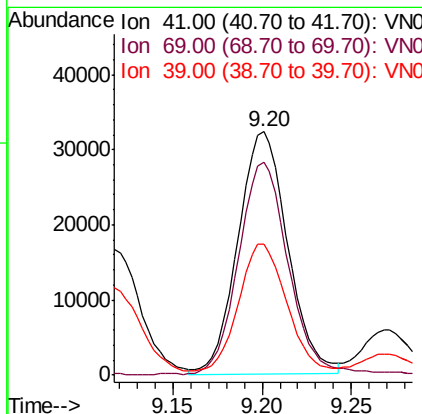
RT: 9.20 min Scan# 2310

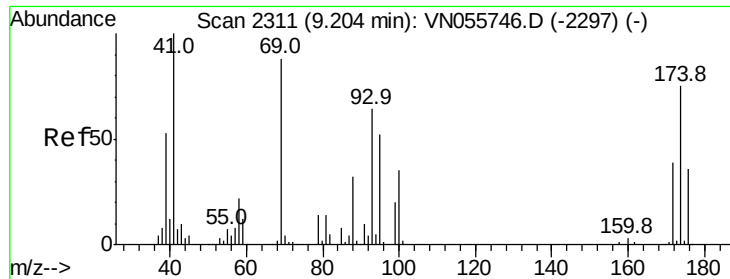
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	41	Resp:	62719
Ion Ratio	Lower	Upper	
41	100		
69	89.4	71.0	106.6
39	52.7	44.2	66.2





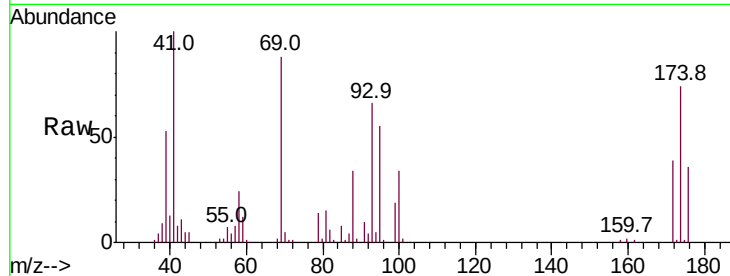
#49
1,4-Dioxane
Concen: 435.101 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

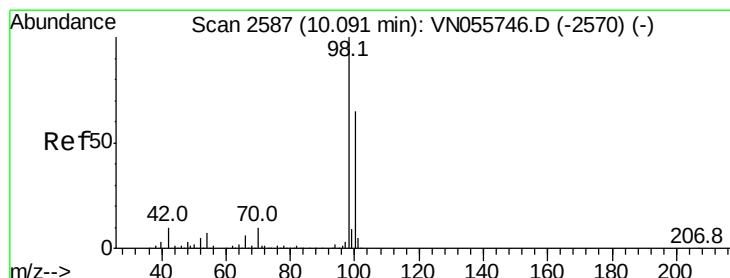
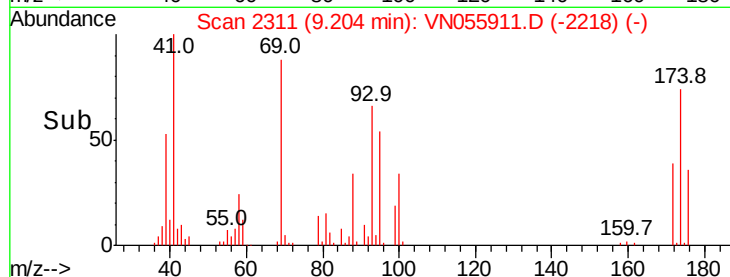
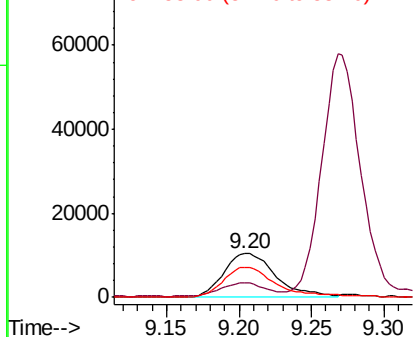
Tot Ion: 88 Resp: 26174
Ion Ratio Lower Upper
88 100
43 25.8 20.5 30.7
58 71.1 55.8 83.6

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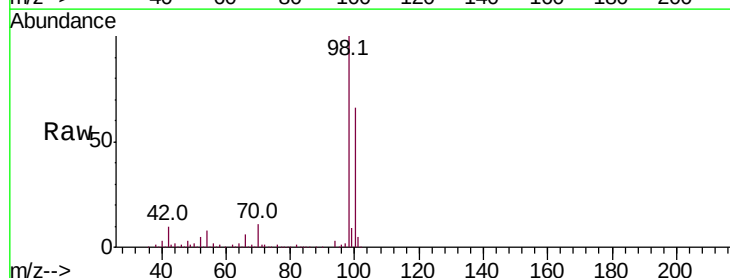


Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

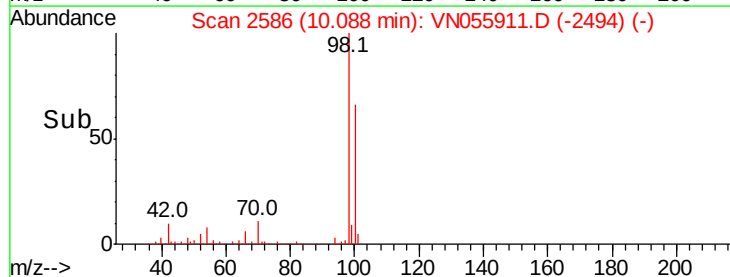
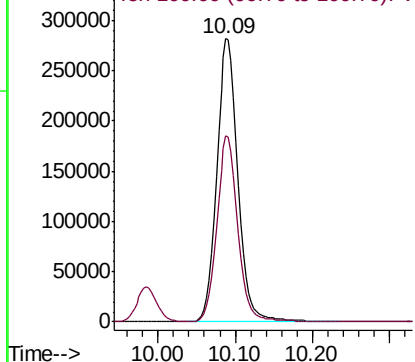


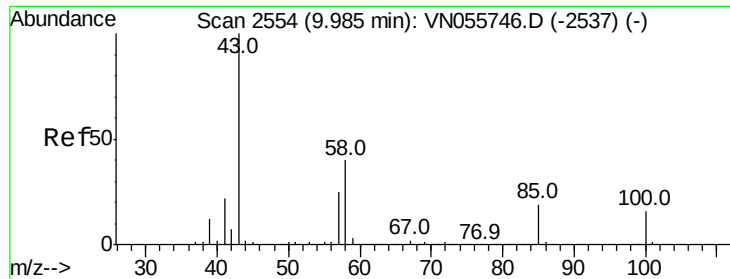
#50
Toluene-d8
Concen: 50.289 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 98 Resp: 541309
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 109.492 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0531WBS01

Tot Ion: 43 Resp: 406172

Ion Ratio Lower Upper

43 100

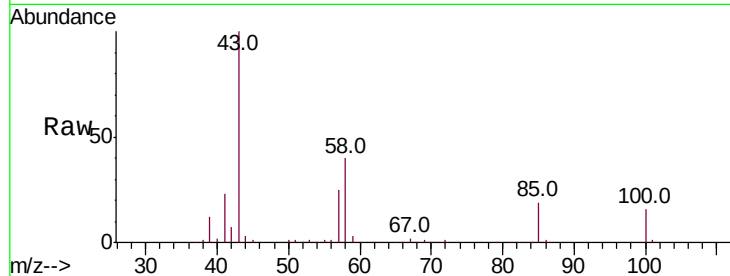
58 40.0 32.1 48.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

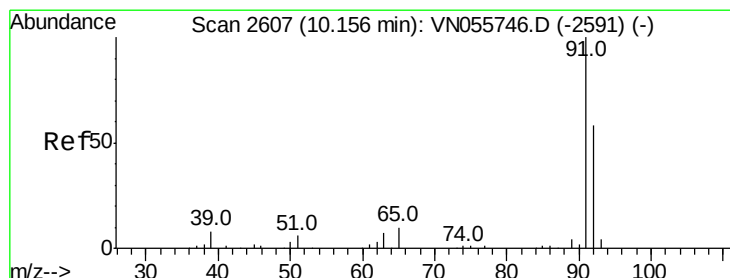
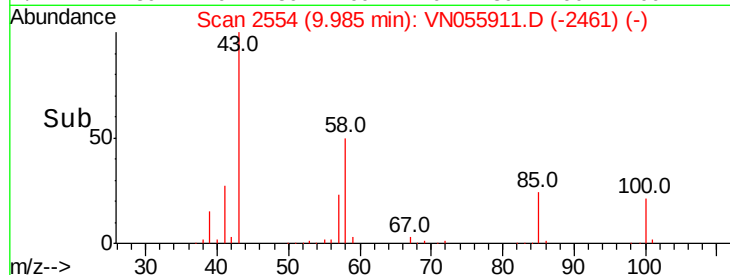
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.638 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055911.D

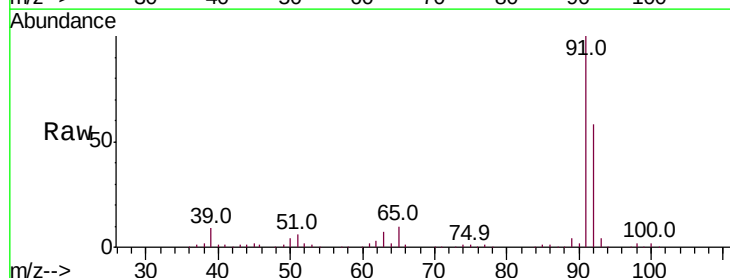
Acq: 31 May 2019 11:47

Tgt Ion: 92 Resp: 151311

Ion Ratio Lower Upper

92 100

91 175.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

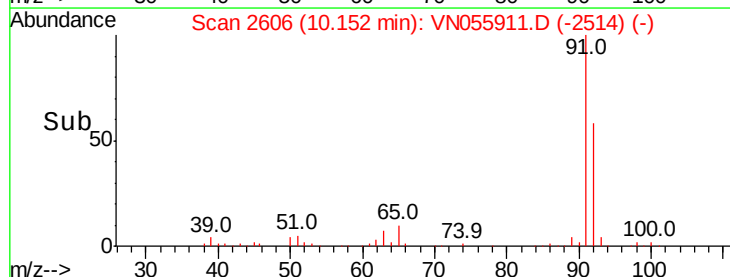
150000

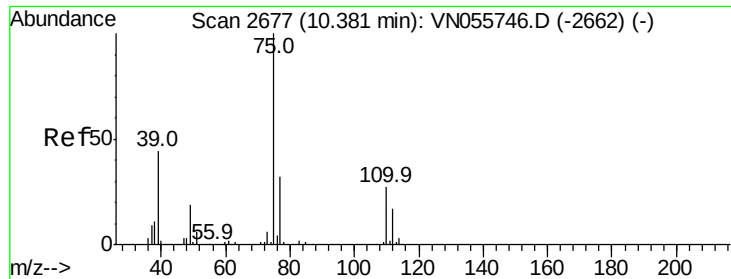
100000

50000

0

Time-->





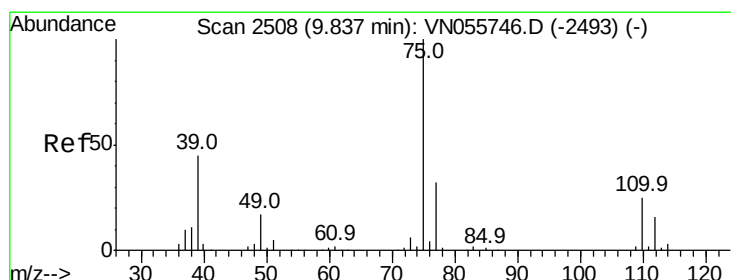
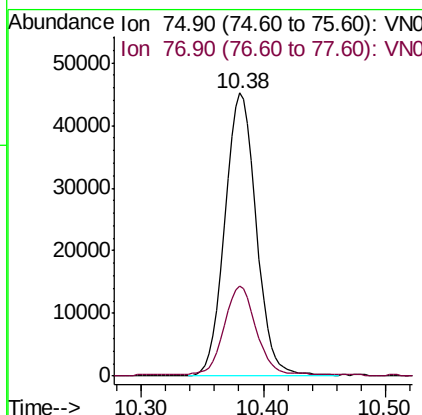
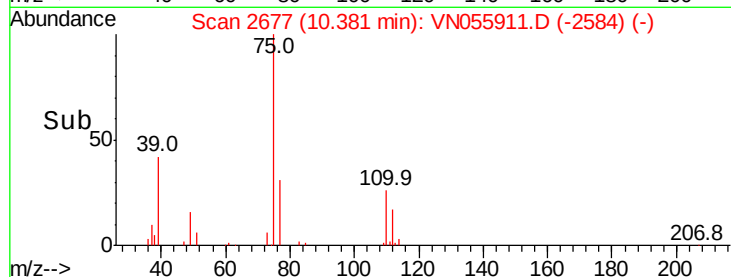
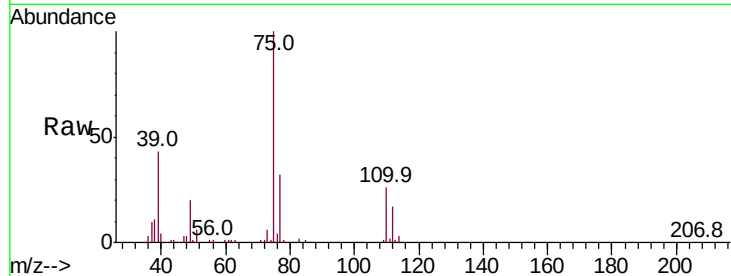
#53
 t-1,3-Dichloropropene
 Concen: 18.727 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0531WBS01

Tot Ion: 75 Resp: 81644
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.6

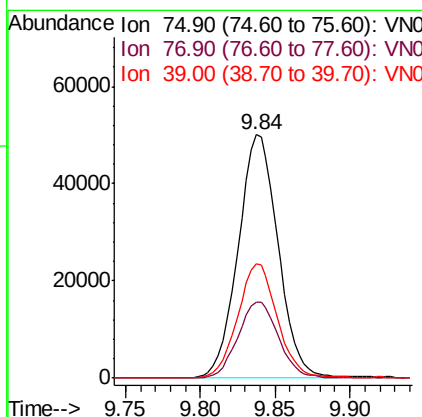
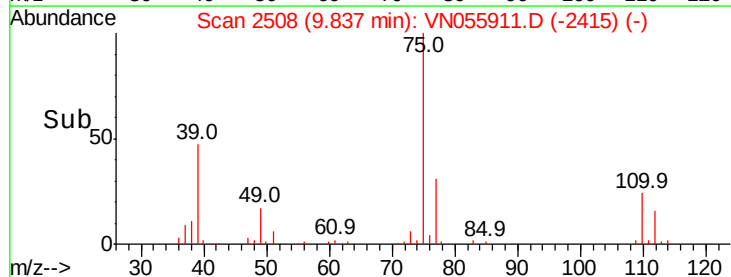
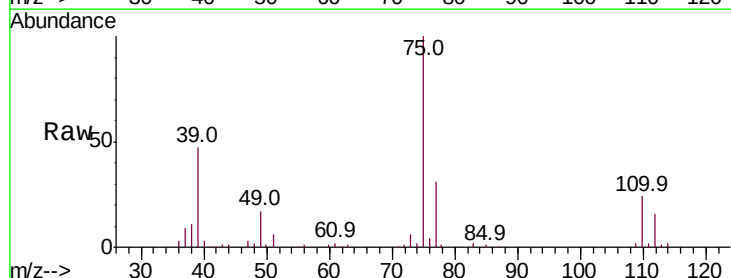
Manual Integrations
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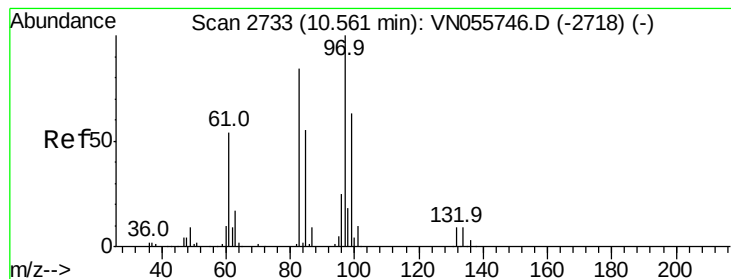
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.229 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion: 75 Resp: 92872
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 47.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 21.618 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0531WBS01

Tot Ion: 97 Resp: 63495

Ion Ratio Lower Upper

97 100

83 84.6 67.0 100.6

85 56.4 44.0 66.0

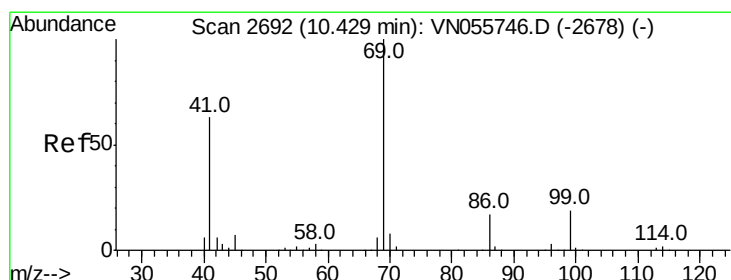
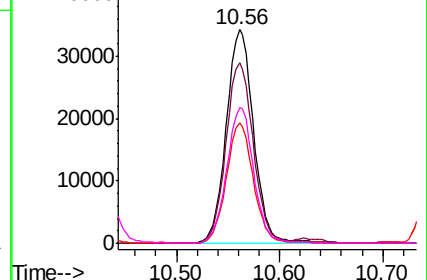
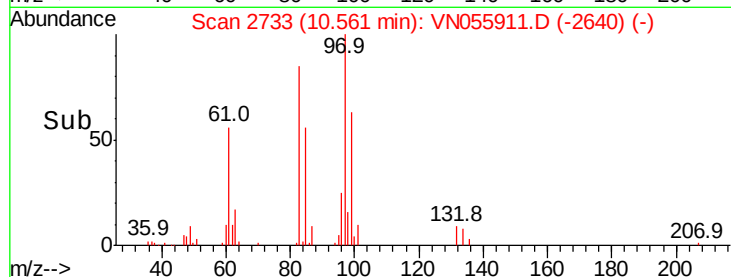
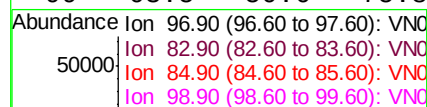
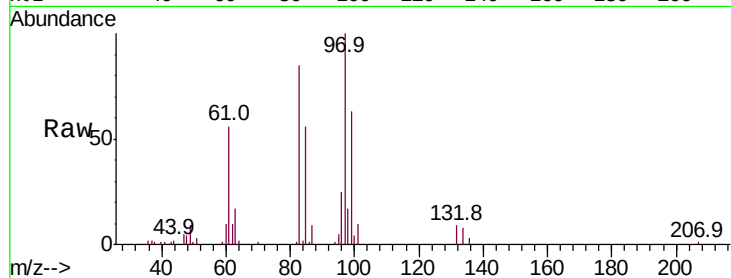
99 63.5 50.6 75.8

Manual Integrations

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#56

Ethyl methacrylate

Concen: 20.577 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

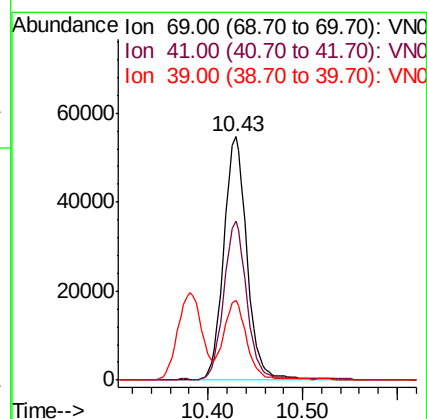
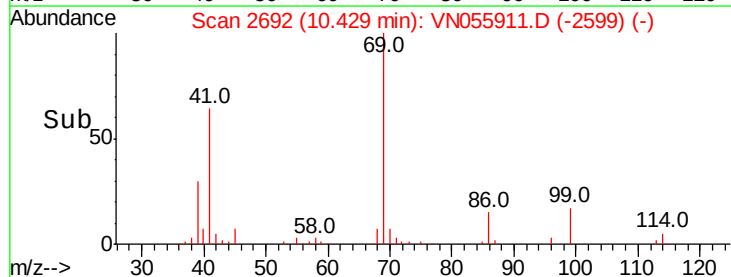
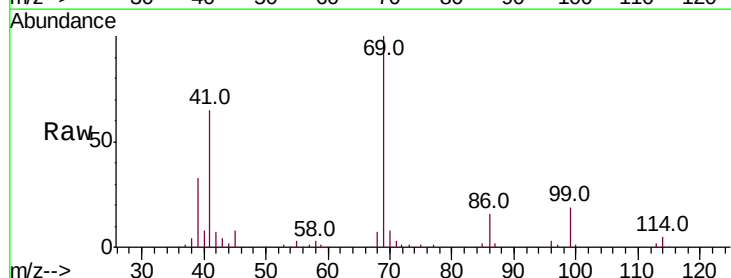
Tgt Ion: 69 Resp: 93401

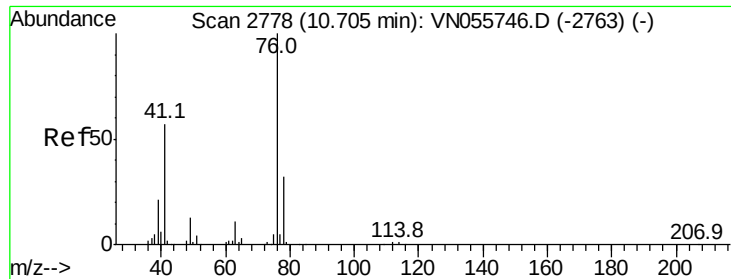
Ion Ratio Lower Upper

69 100

41 63.8 49.7 74.5

39 31.8 24.7 37.1





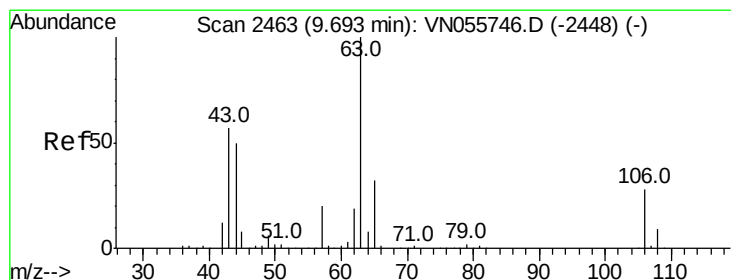
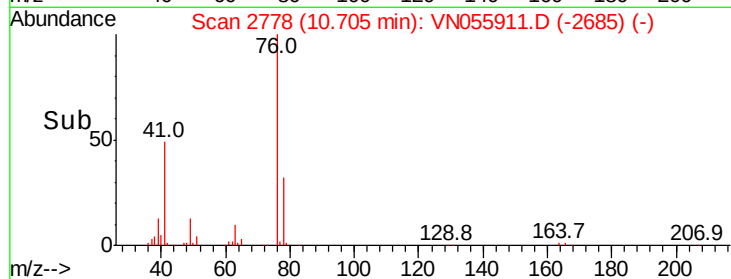
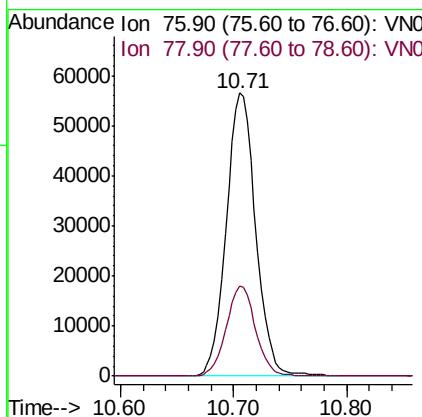
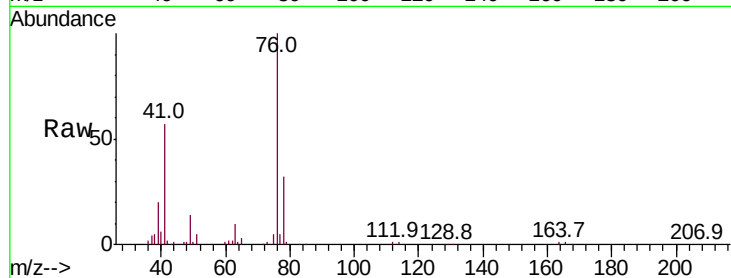
#57
 1,3-Dichloropropane
 Concen: 21.415 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

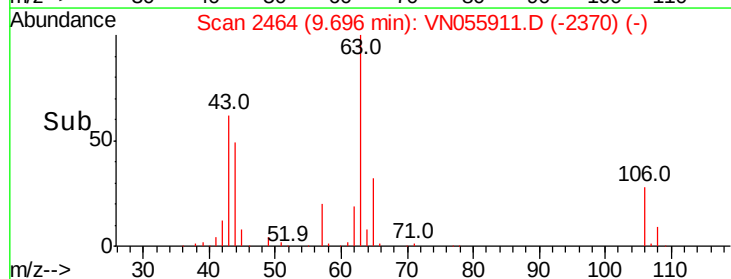
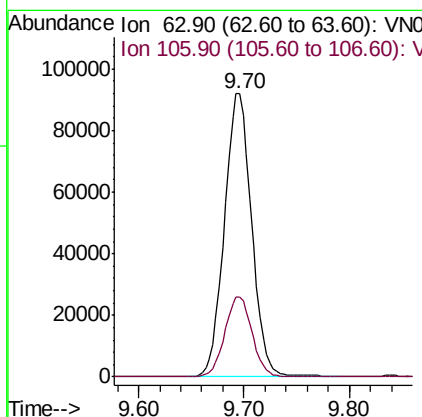
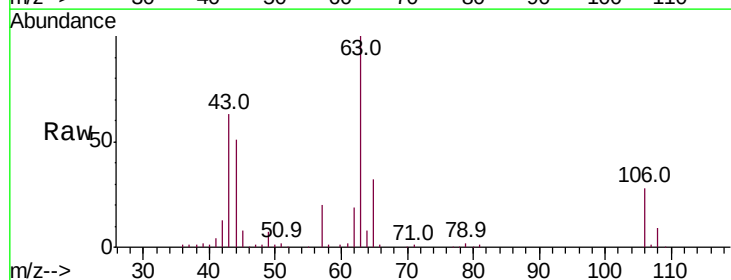
Manual Integrations
 APPROVED

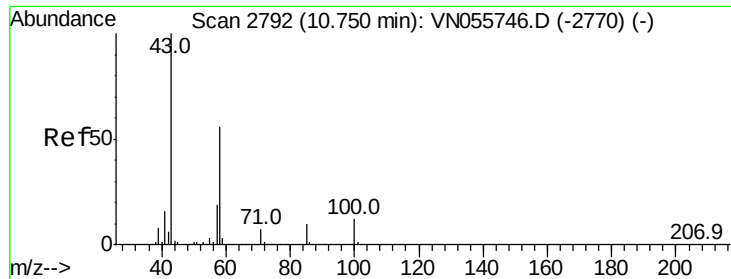
MMDadoda
 6/3/2019 4:12:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.700 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1





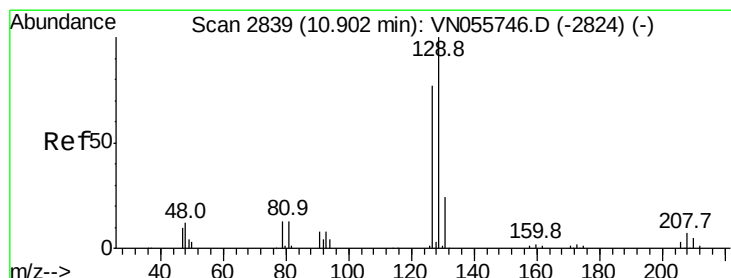
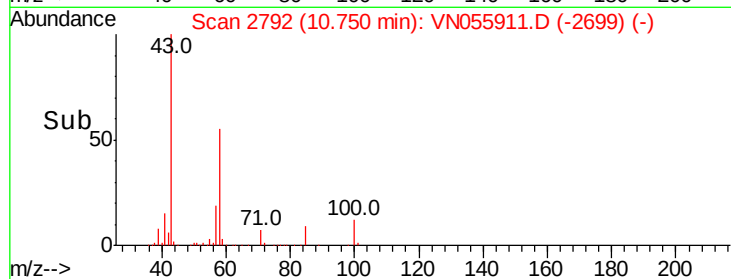
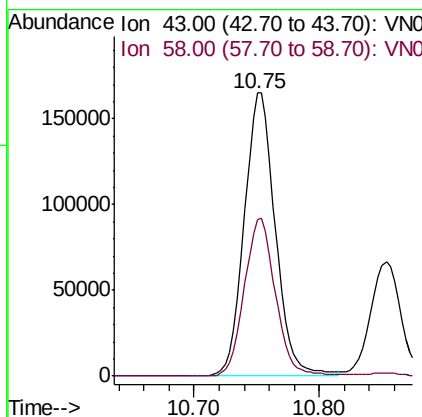
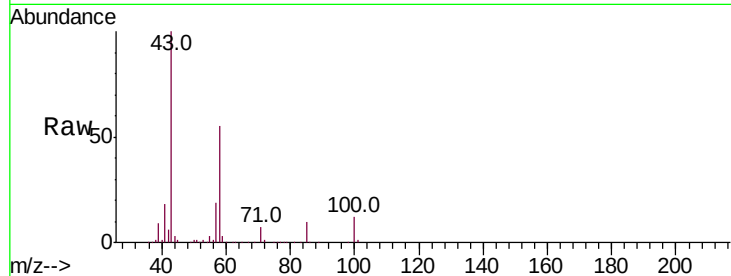
#59
2-Hexanone
Concen: 108.493 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	43	58	Ratio	100	55.8	Resp	285512	Lower	28.2	Upper	84.7
Ion	43	58	Ratio	100	55.8	Resp	285512	Lower	28.2	Upper	84.7

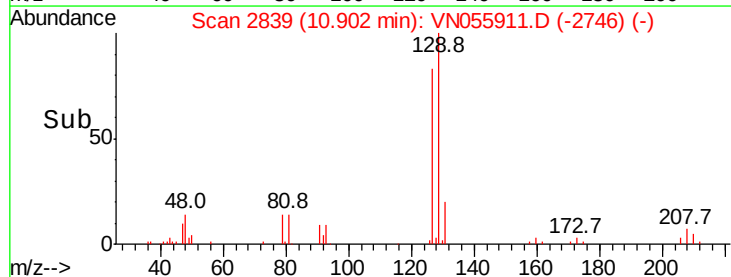
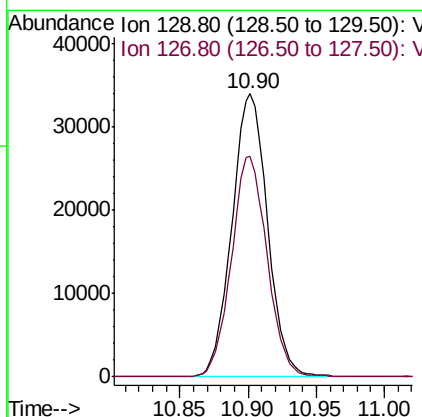
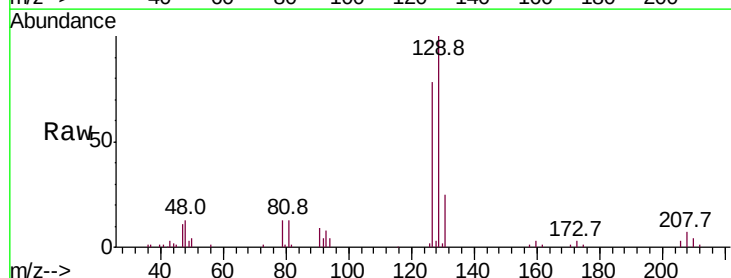
Manual Integrations
APPROVED

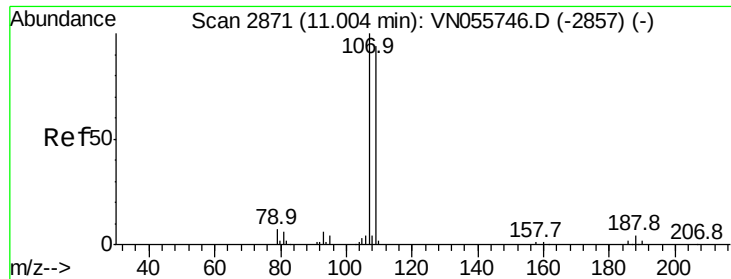
MMDadoda
6/3/2019 4:12:08 PM



#60
Dibromochloromethane
Concen: 18.044 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	129	127	Ratio	100	77.9	Resp	61738	Lower	38.1	Upper	114.3
Ion	129	127	Ratio	100	77.9	Resp	61738	Lower	38.1	Upper	114.3





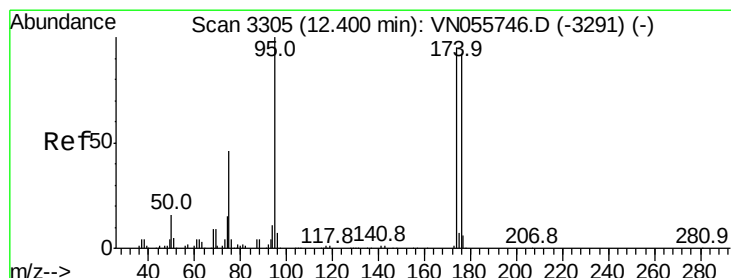
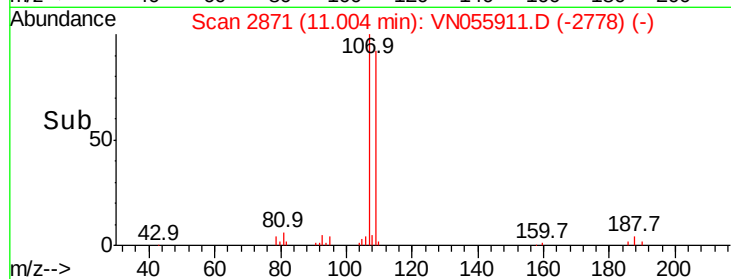
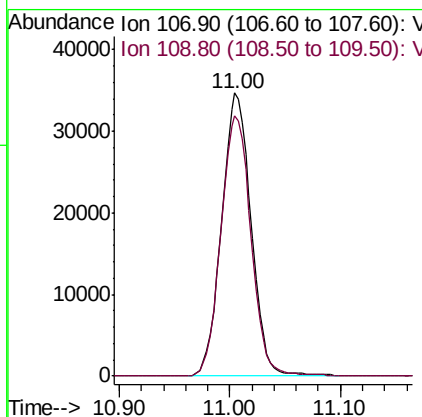
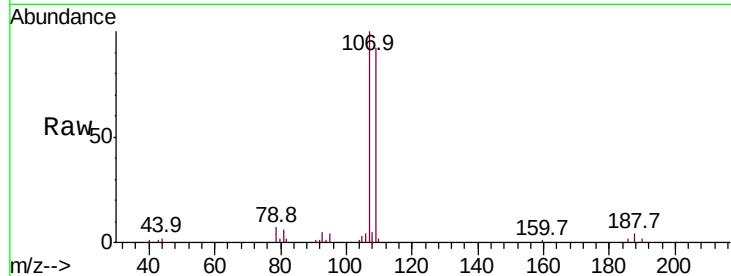
#61
 1,2-Dibromoethane
 Concen: 21.039 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.8	112.2

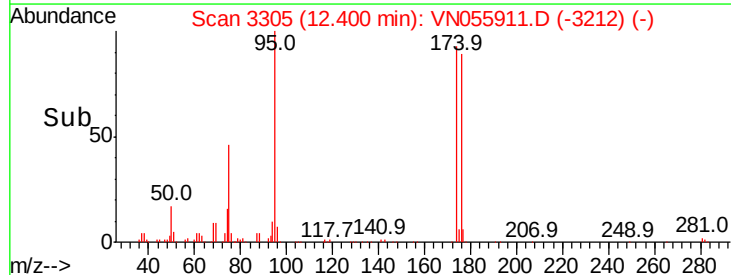
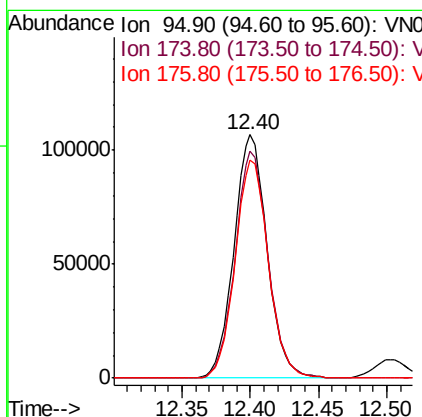
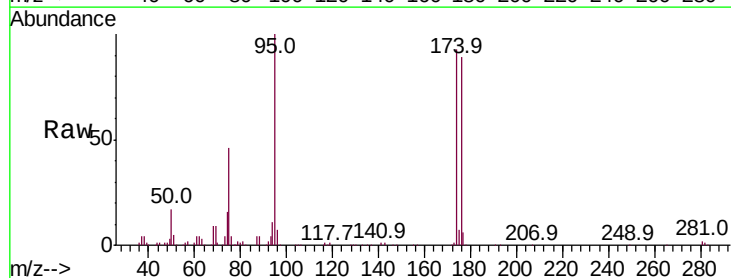
Manual Integrations
 APPROVED

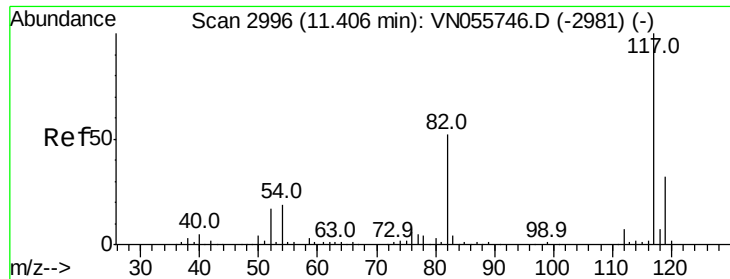
MMDadoda
 6/3/2019 4:12:08 PM



#62
 4-Bromofluorobenzene
 Concen: 48.691 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	191.0
176	90.0	0.0	185.2





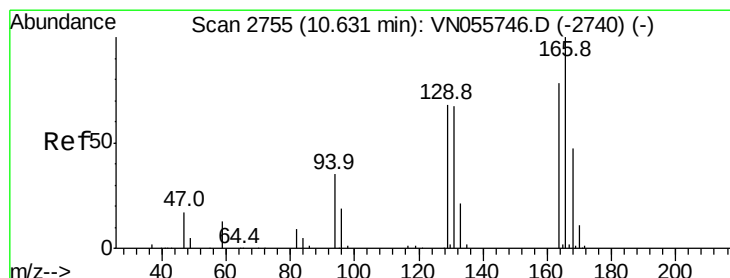
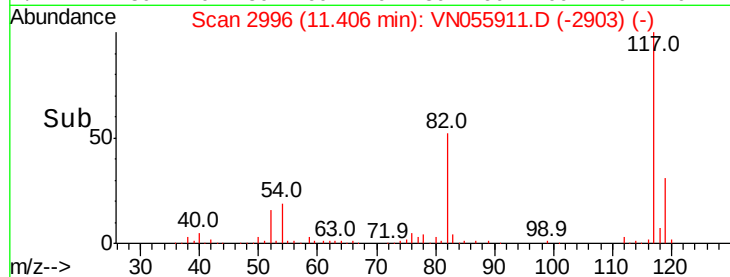
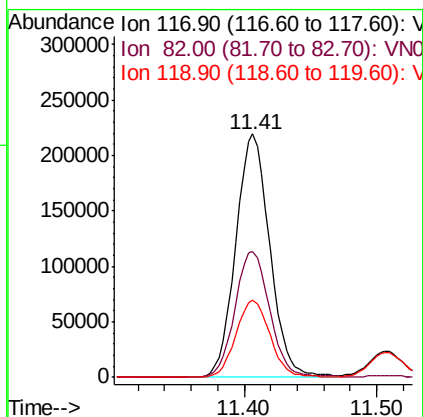
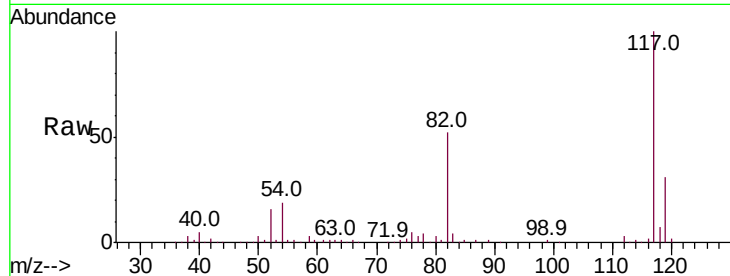
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	391677		
82	51.9	41.8	62.8	
119	31.5	25.4	38.0	

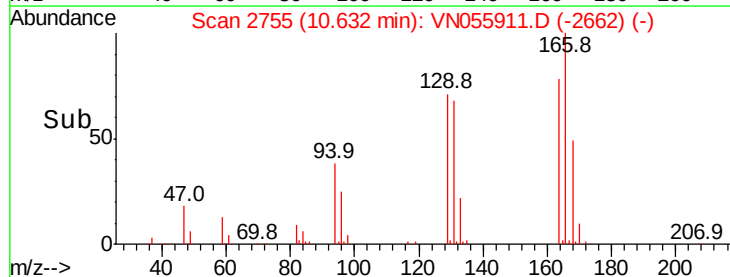
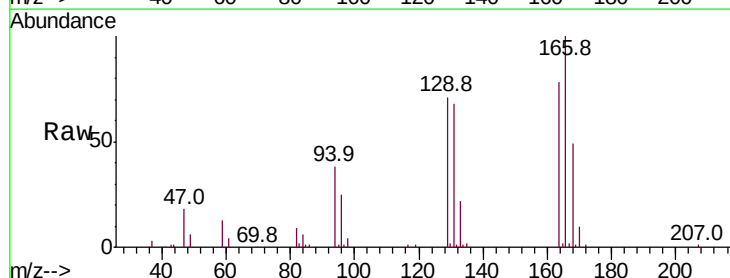
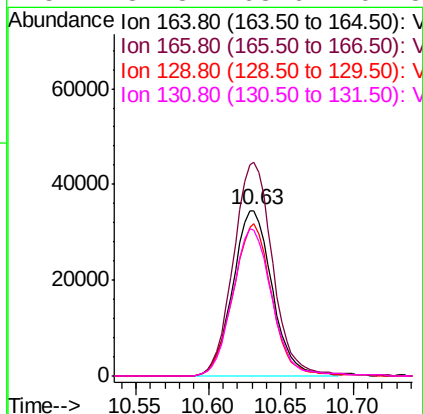
Manual Integrations
APPROVED

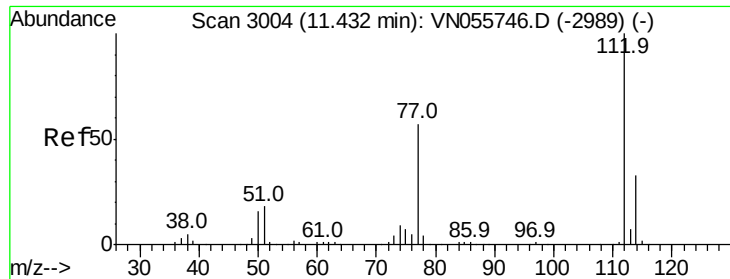
MMDadoda
6/3/2019 4:12:08 PM



#64
Tetrachloroethene
Concen: 19.749 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65242		
166	128.9	103.0	154.6	
129	91.8	70.6	105.8	
131	87.8	68.6	102.8	





#65

Chlorobenzene

Concen: 20.368 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0531WBS01

Tot Ion:112 Resp: 159702

Ion Ratio Lower Upper

112 100

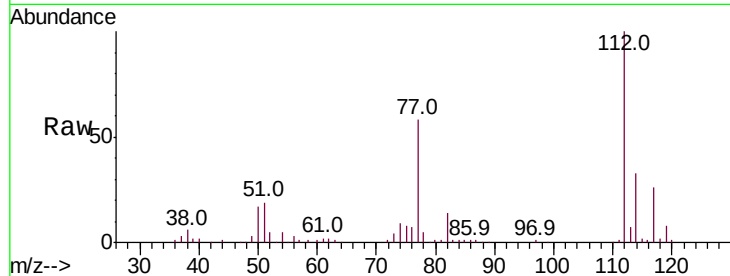
114 32.5 26.2 39.4

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

80000

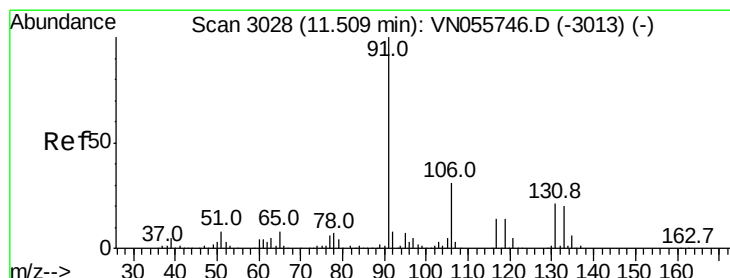
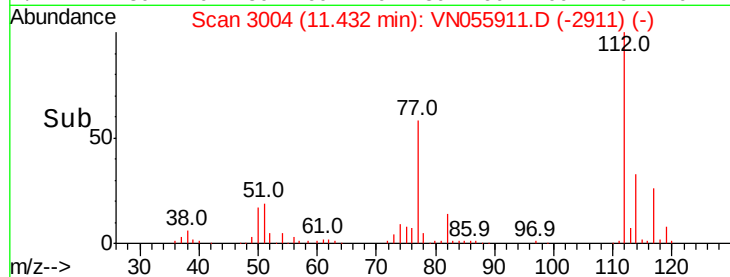
60000

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.078 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

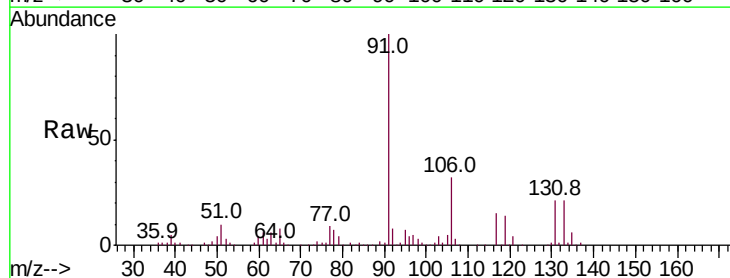
Tgt Ion:131 Resp: 59663

Ion Ratio Lower Upper

131 100

133 96.6 48.0 144.0

119 67.7 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

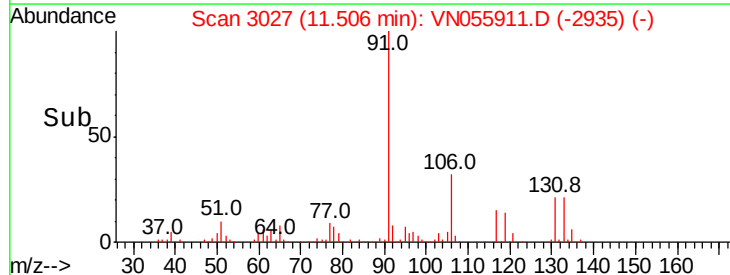
60000

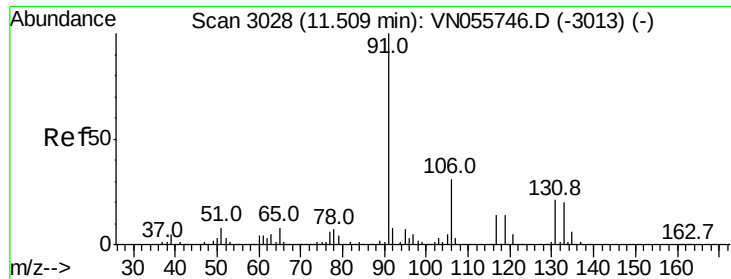
40000

20000

0

Time-->





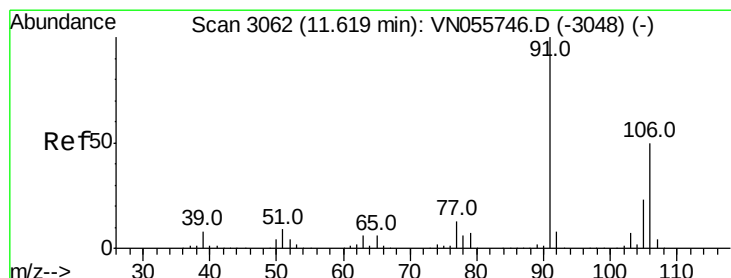
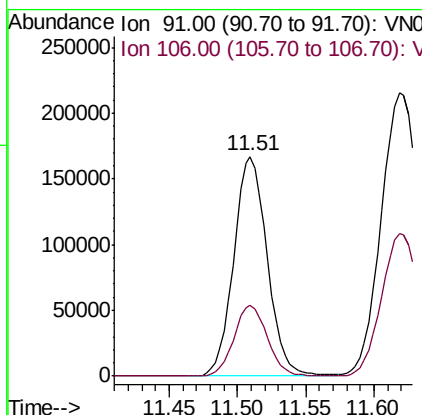
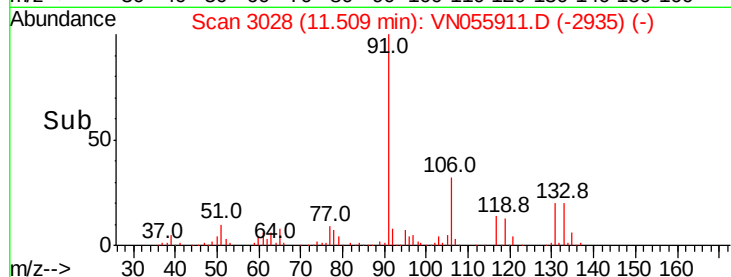
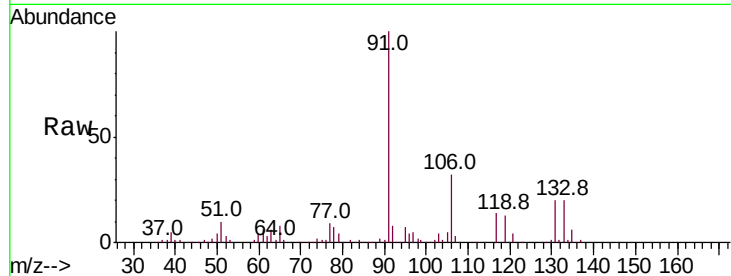
#67
Ethyl Benzene
Concen: 20.268 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0531WBS01

Tot Ion: 91 Resp: 284990
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

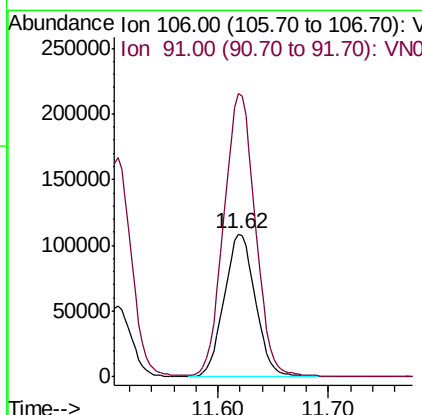
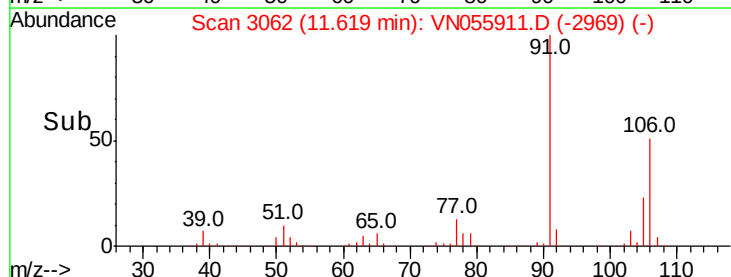
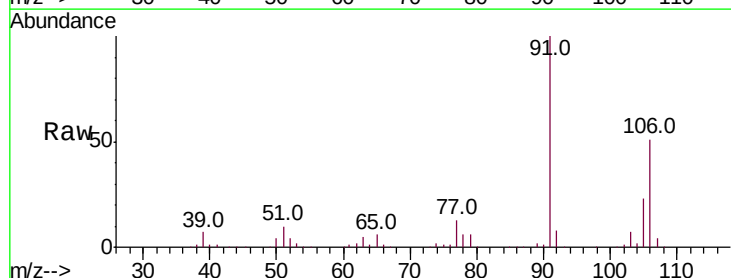
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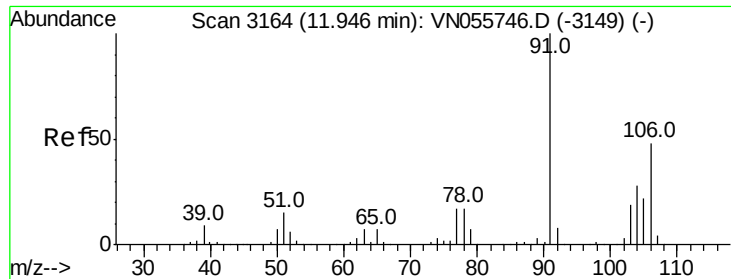
MMDadoda
6/3/2019 4:12:08 PM



#68
m/p-Xylenes
Concen: 40.201 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion: 106 Resp: 213697
Ion Ratio Lower Upper
106 100
91 200.5 159.3 238.9





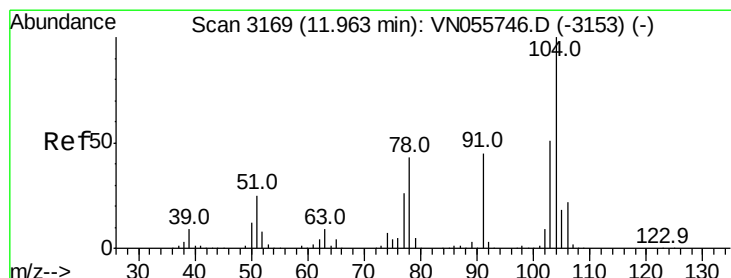
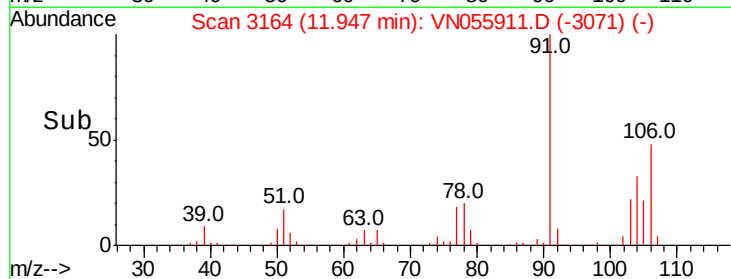
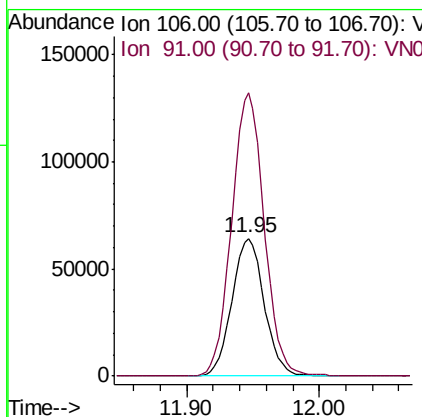
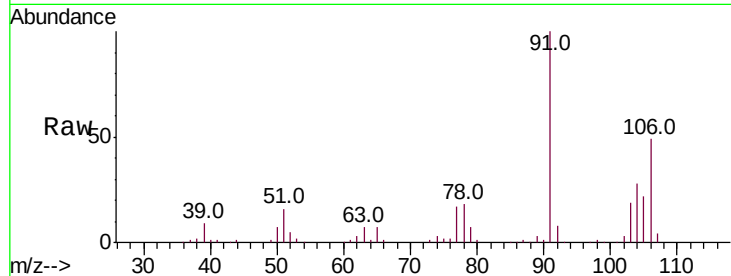
#69
o-Xylene
Concen: 20.646 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampled :
VN0531WBS01

Tot Ion:106 Resp: 108885
Ion Ratio Lower Upper
106 100
91 206.8 104.7 314.1

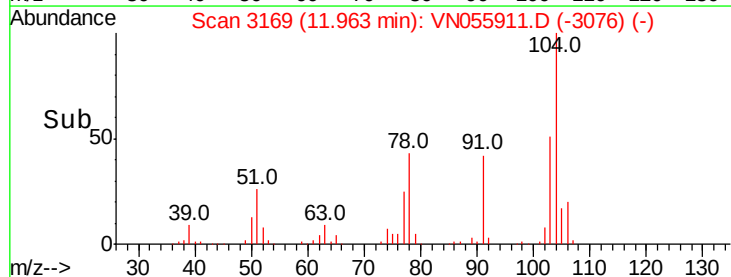
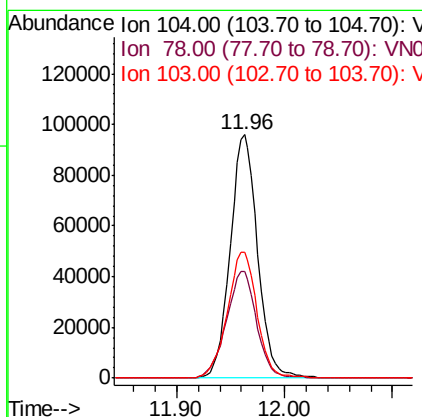
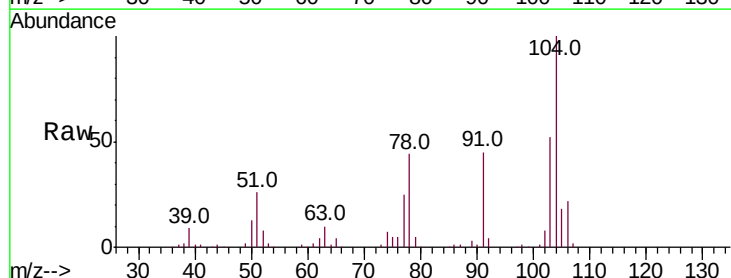
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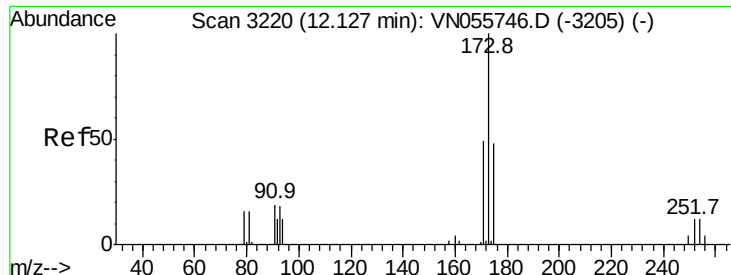
MMDadoda
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#70
Styrene
Concen: 19.887 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion:104 Resp: 169848
Ion Ratio Lower Upper
104 100
78 48.4 37.8 56.6
103 56.1 44.2 66.2





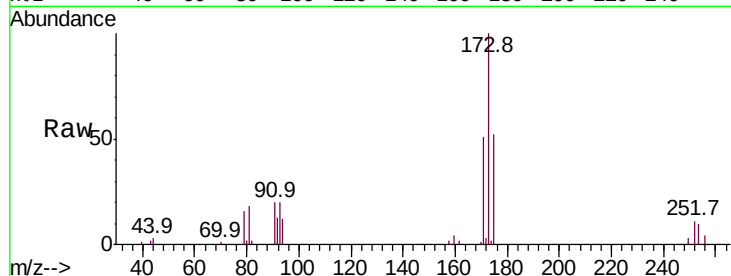
#71
Bromoform
Concen: 16.019 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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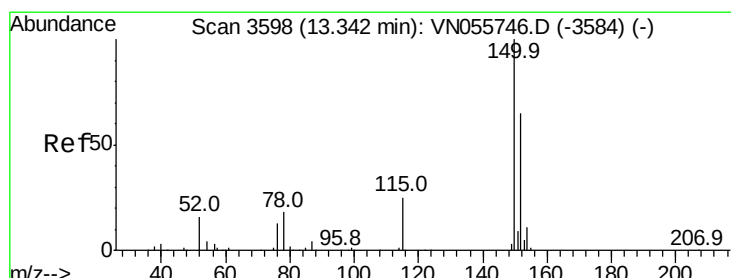
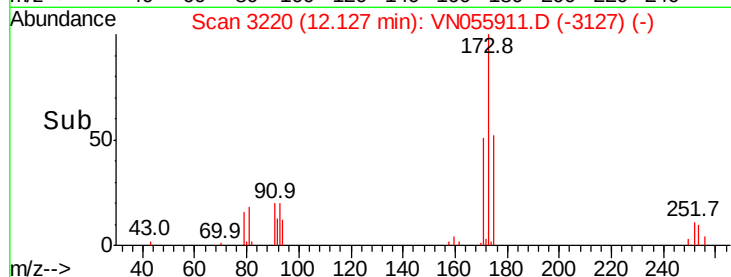
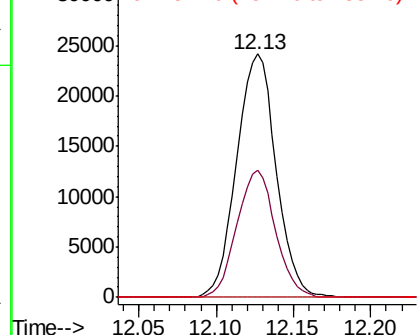


Abundance

Ion 172.70 (172.40 to 173.40): V

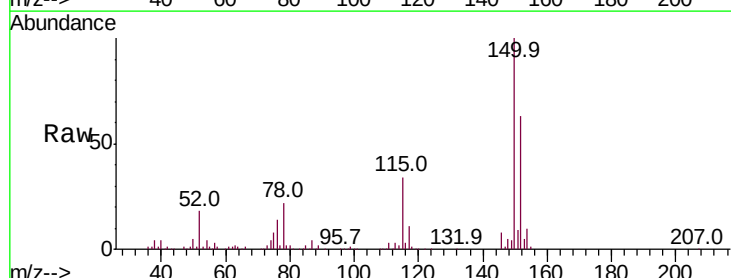
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.0	81.0
150	162.6	0.0	343.2

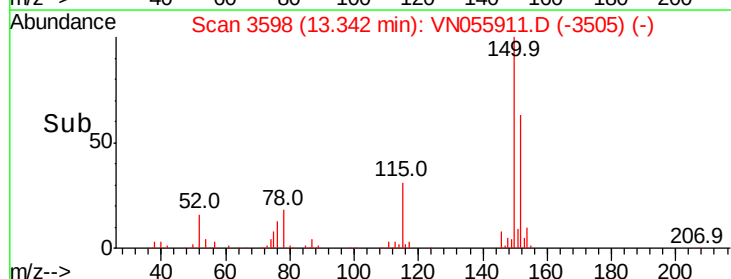
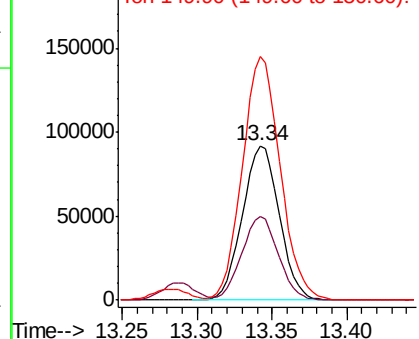


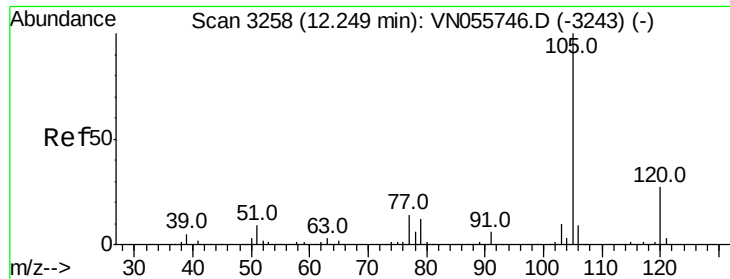
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 23.909 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion:105 Resp: 283600

Ion Ratio Lower Upper

105 100

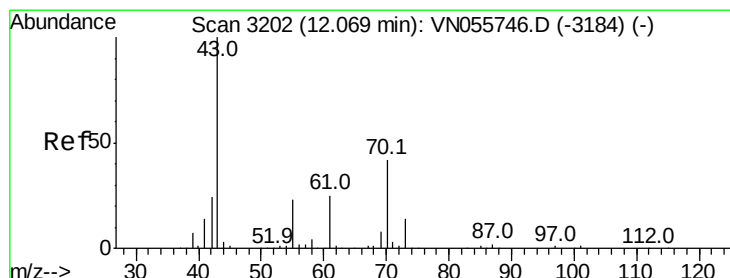
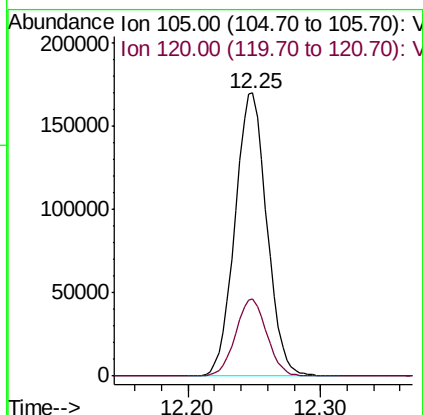
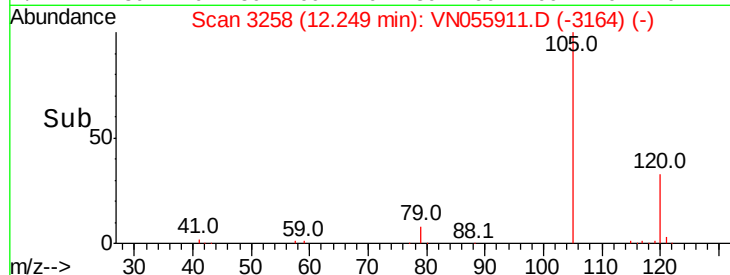
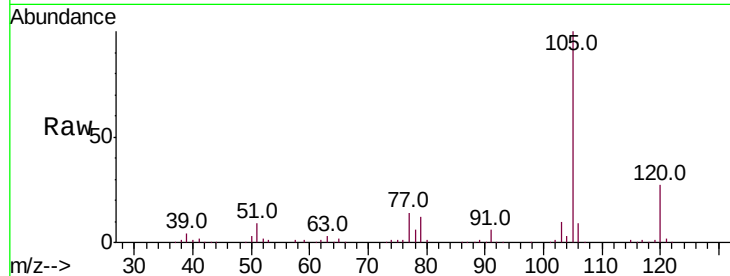
120 26.9 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.361 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion: 43 Resp: 100788

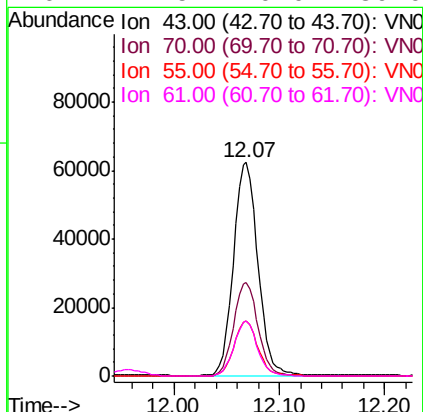
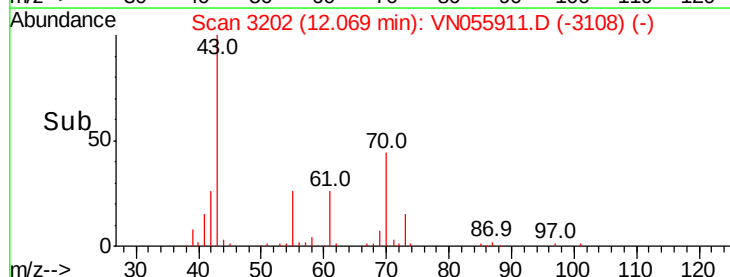
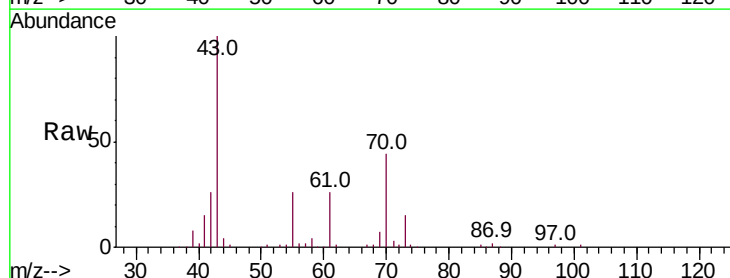
Ion Ratio Lower Upper

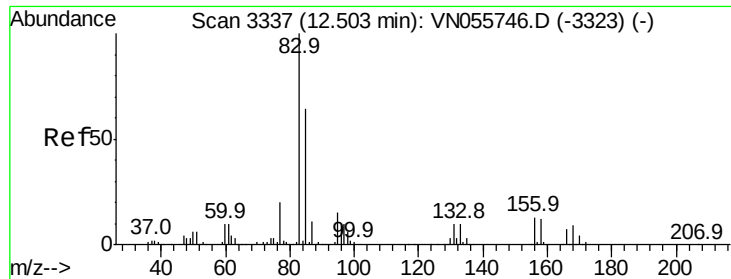
43 100

70 43.5 34.0 51.0

55 25.0 18.6 28.0

61 24.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.493 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

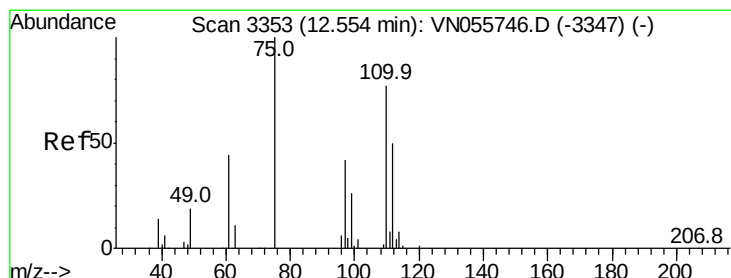
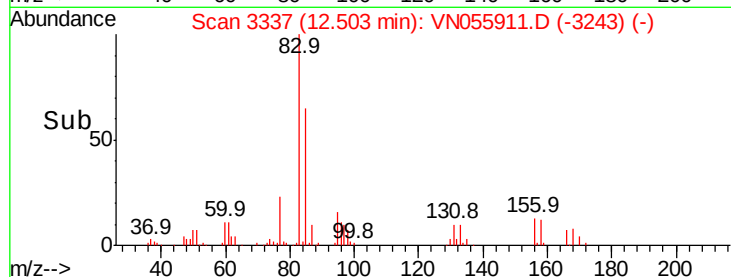
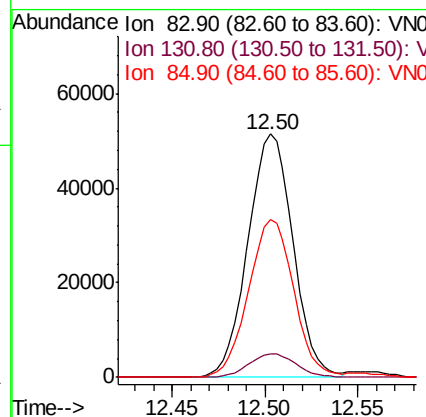
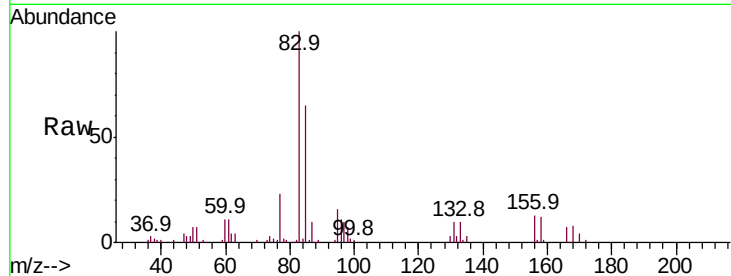
ClientSampleId :

VN0531WBS01

Tot Ion:	83	Resp:	86921
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	65.1	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 25.030 ug/l m

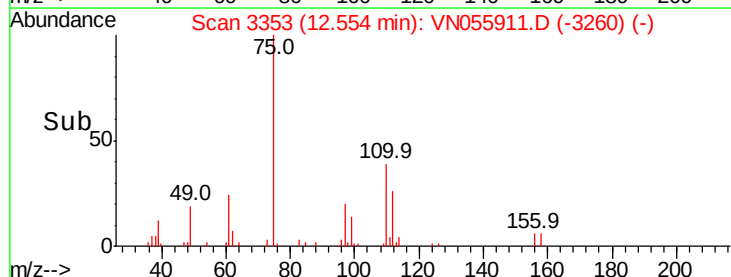
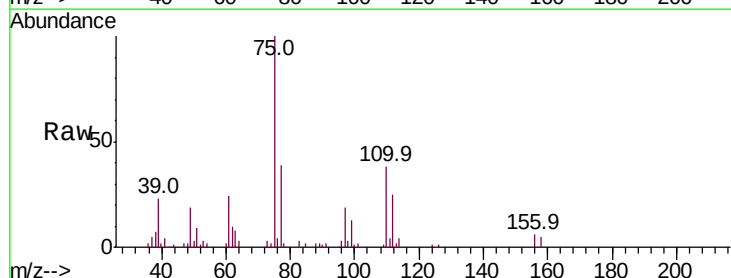
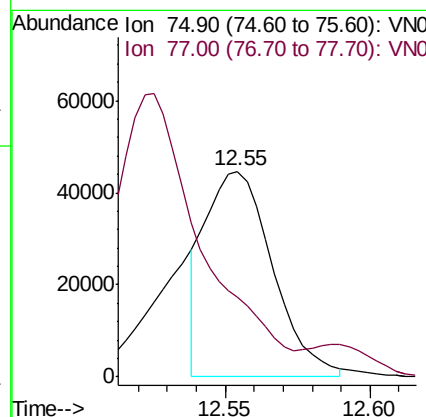
RT: 12.55 min Scan# 3353

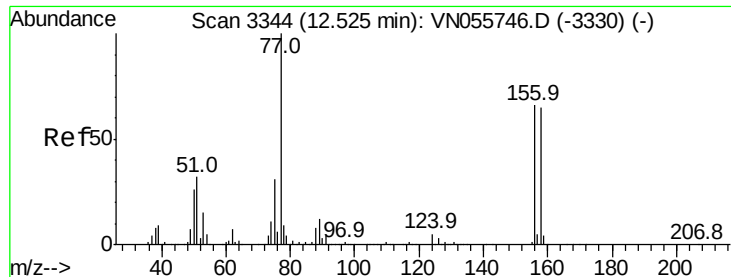
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	75	Resp:	72181
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.706 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

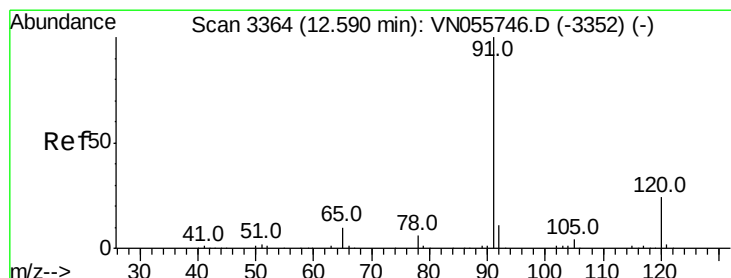
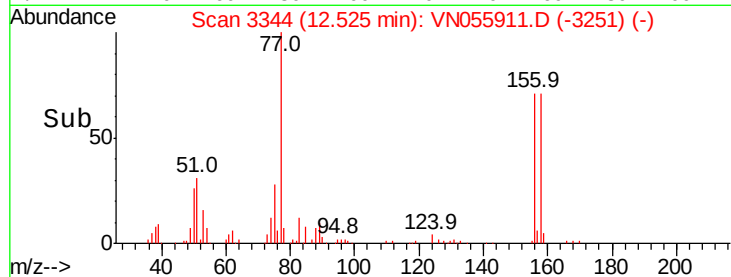
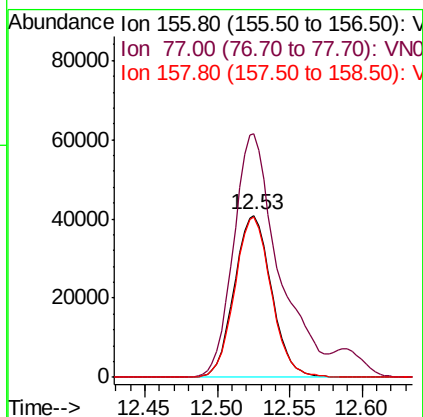
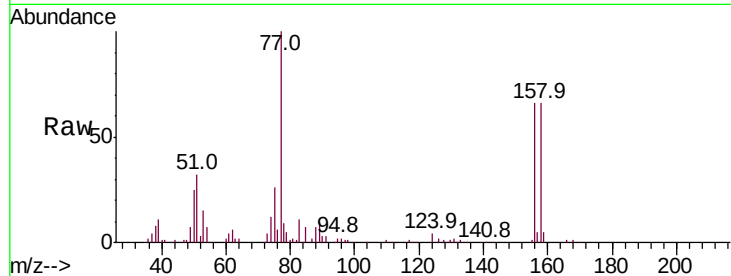
ClientSampleId :

VN0531WBS01

Tot Ion:	156	Resp:	72987
Ion	Ratio	Lower	Upper
156	100		
77	181.2	90.8	272.5
158	97.3	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 21.388 ug/l

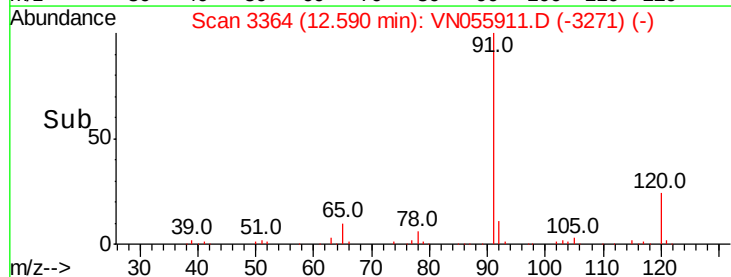
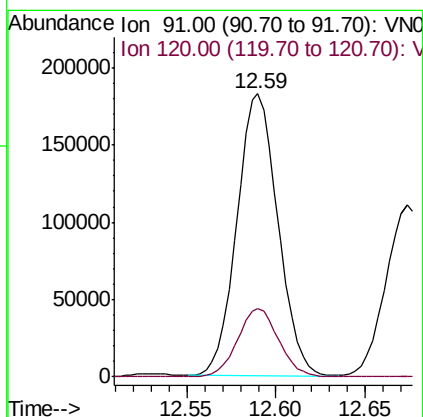
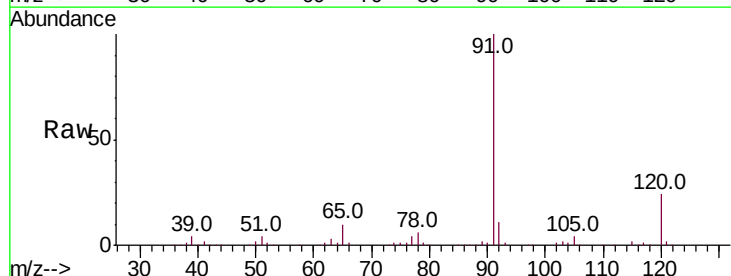
RT: 12.59 min Scan# 3364

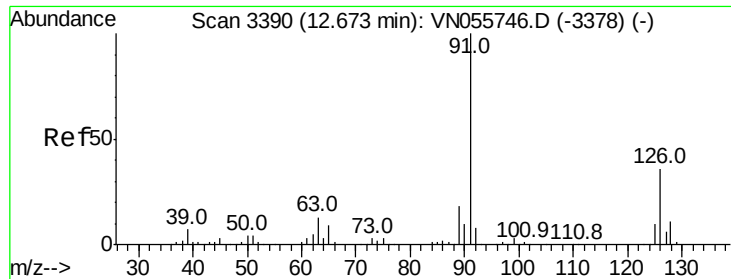
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	91	Resp:	292921
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.0	36.0





#79

2-Chlorotoluene

Concen: 23.873 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampled :

VN0531WBS01

Tot Ion: 91 Resp: 185937

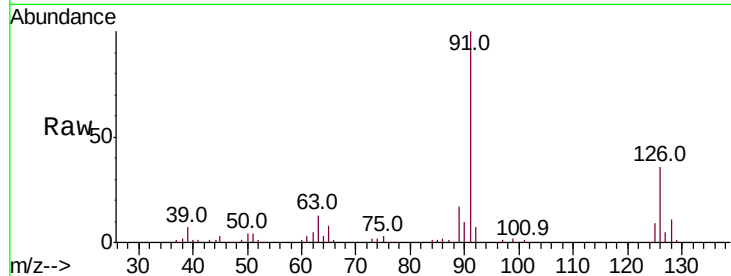
Ion Ratio Lower Upper

91 100

126 35.8 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

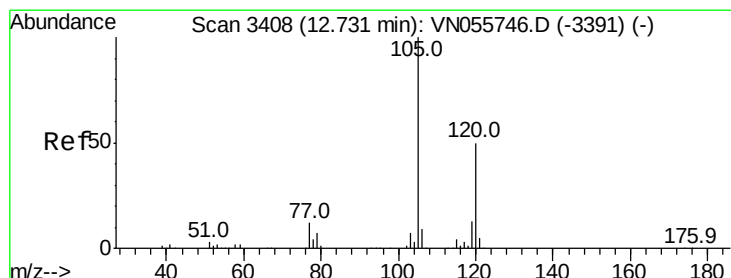
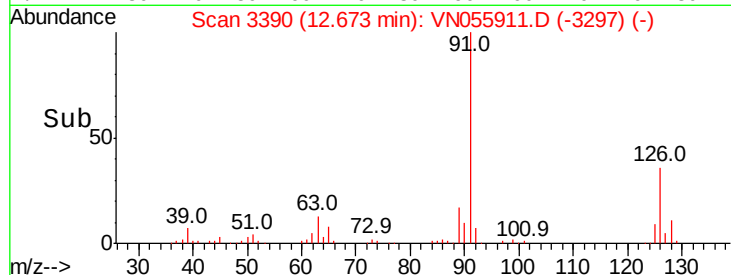
12.67

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 23.186 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055911.D

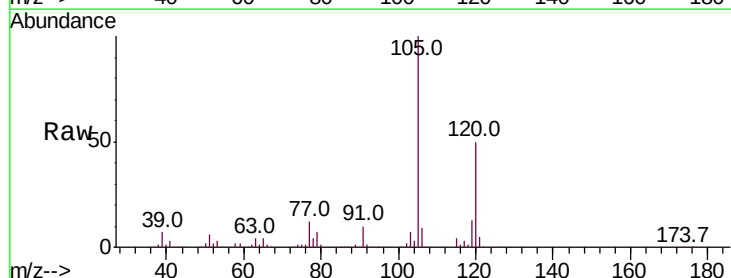
Acq: 31 May 2019 11:47

Tgt Ion:105 Resp: 231713

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

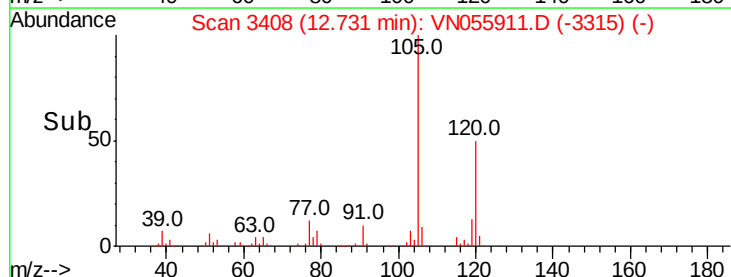
150000

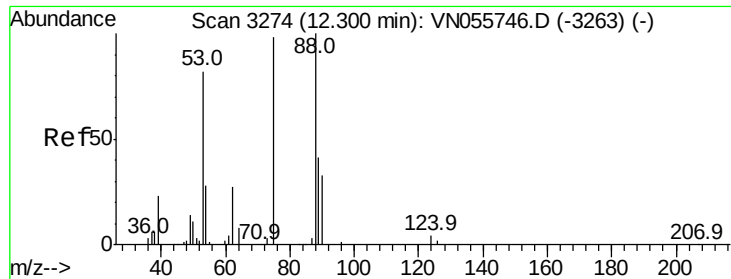
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





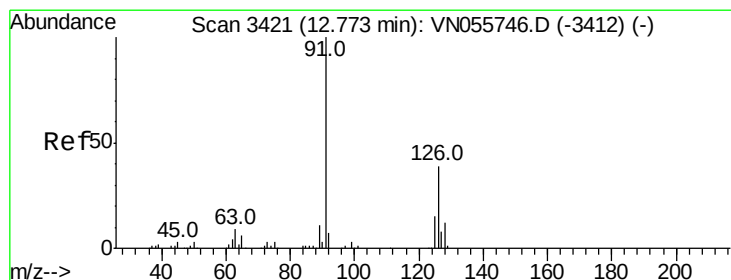
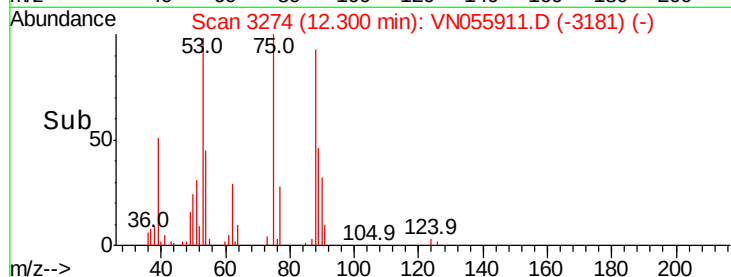
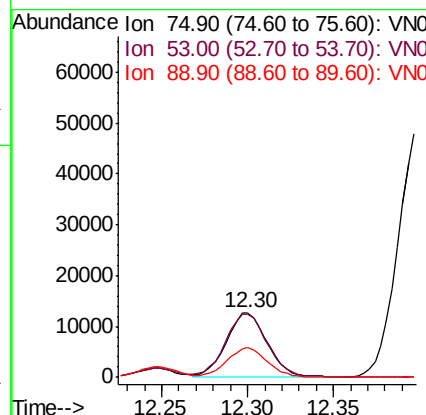
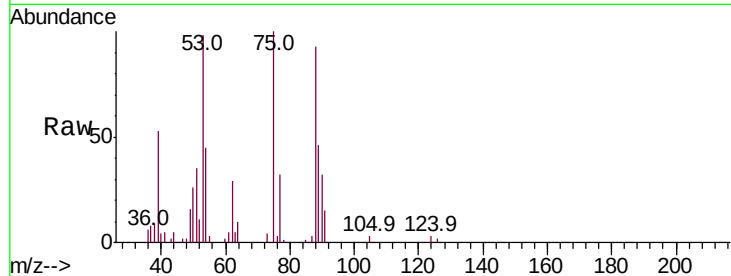
#81
trans-1,4-Dichloro-2-butene
Concen: 18.150 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.4	68.1	102.1
89	44.2	36.9	55.3

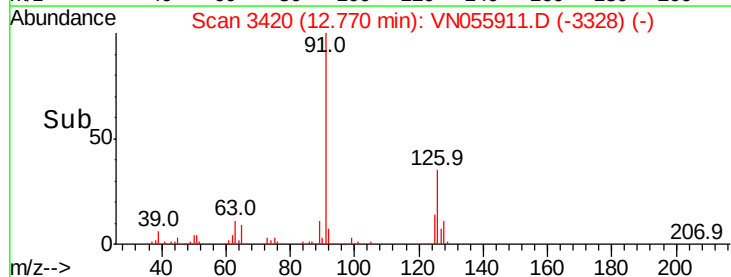
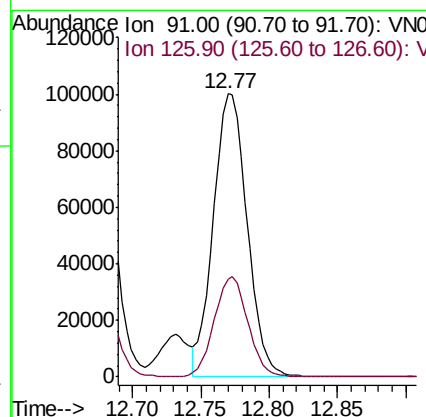
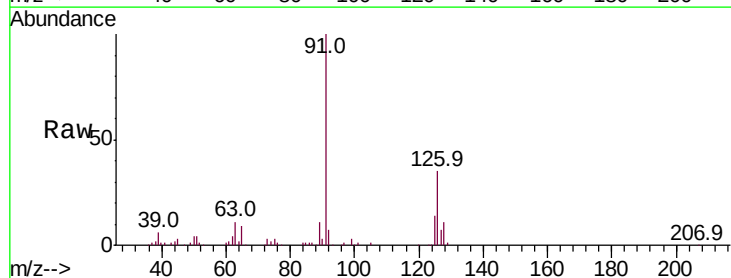
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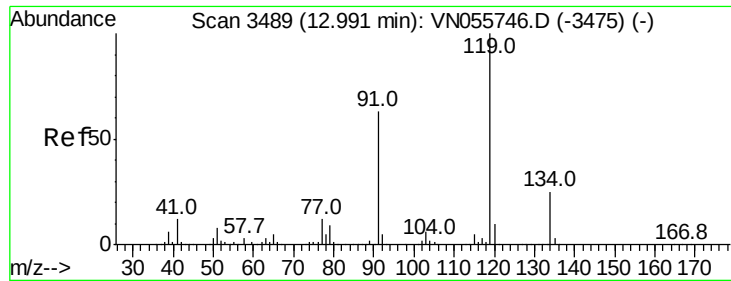
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.462 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





#83

tert-Butylbenzene

Concen: 24.016 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055911.D

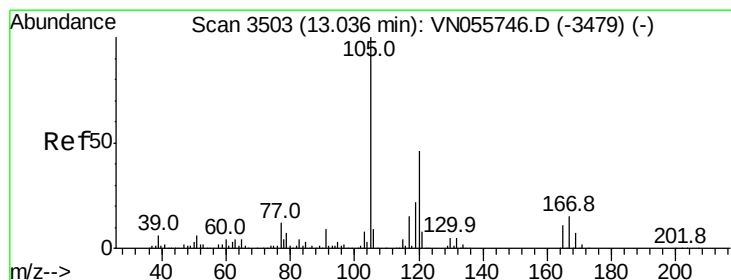
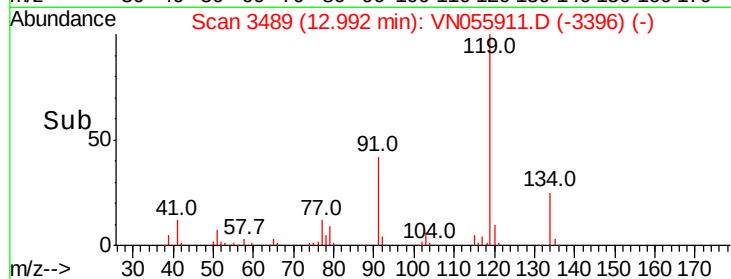
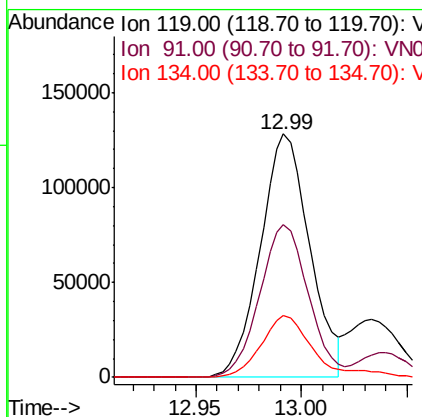
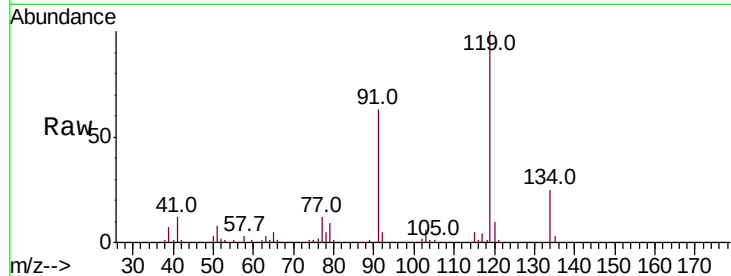
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	208688		
91	62.1	30.9	92.8	
134	26.9	13.3	39.8	

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.652 ug/l

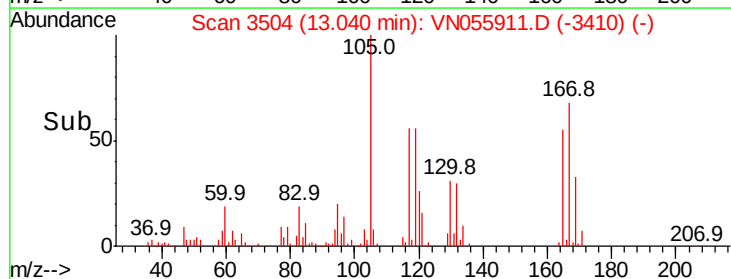
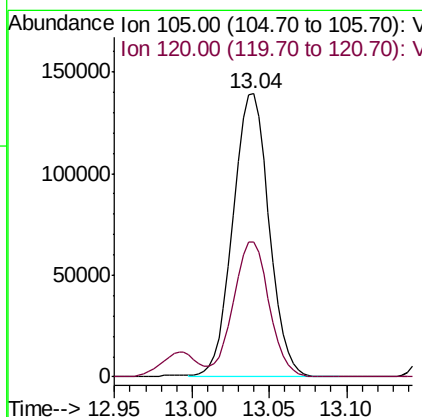
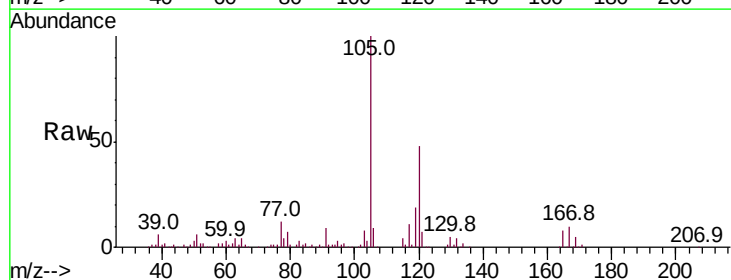
RT: 13.04 min Scan# 3504

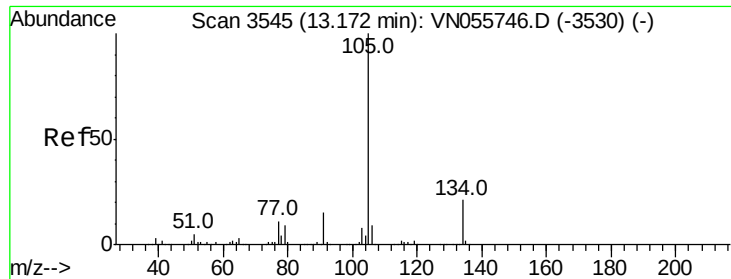
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	225429		
120	47.3	23.0	69.0	





#85

sec-Butylbenzene

Concen: 23.540 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

ClientSampleId :

VN0531WBS01

Tot Ion:105 Resp: 262957

Ion Ratio Lower Upper

105 100

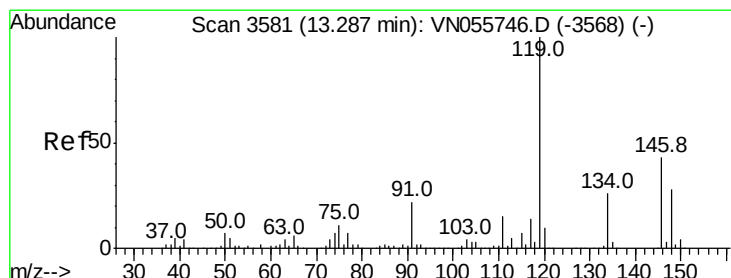
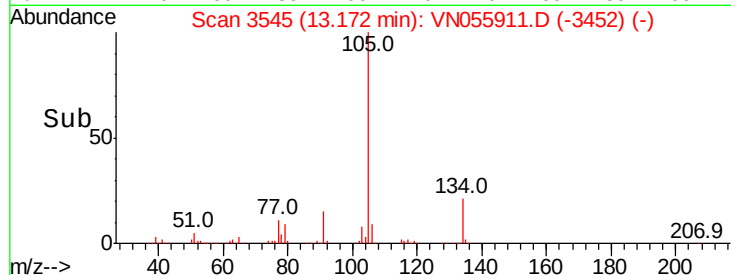
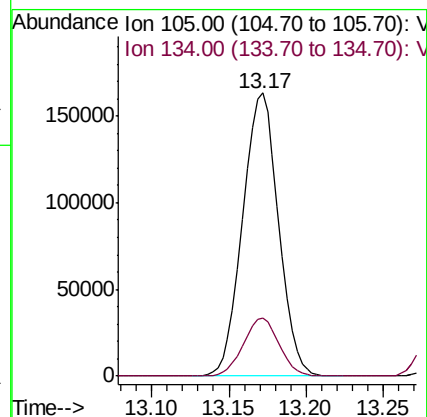
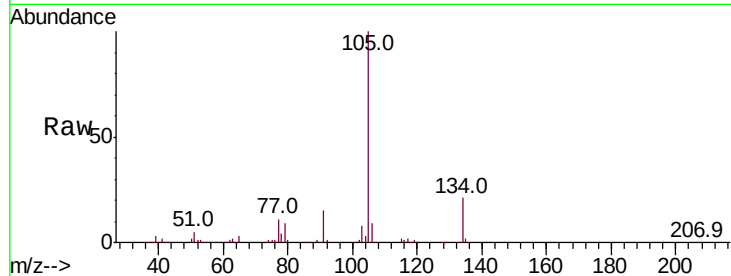
134 20.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 21.326 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

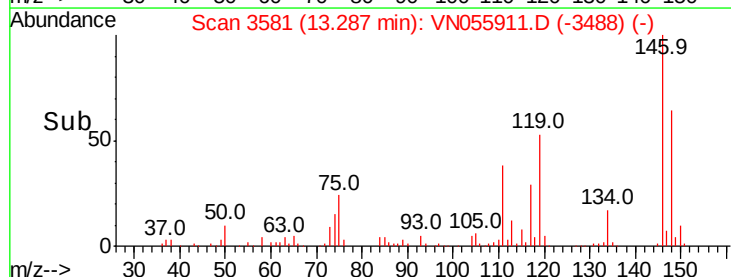
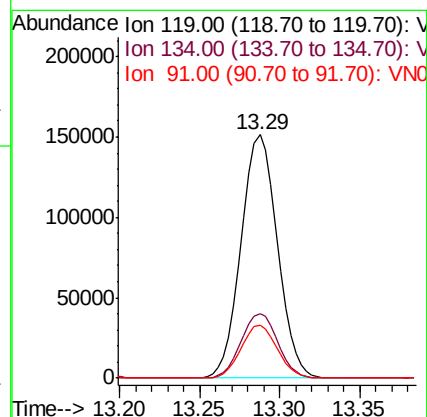
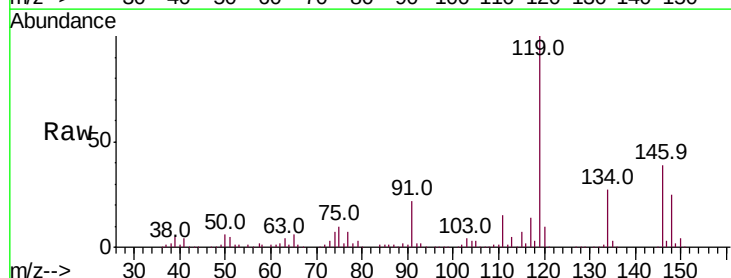
Tgt Ion:119 Resp: 233376

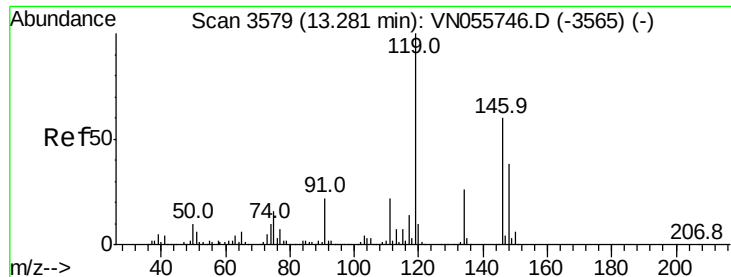
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.8 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 20.988 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Instrument :

MSVOA_N

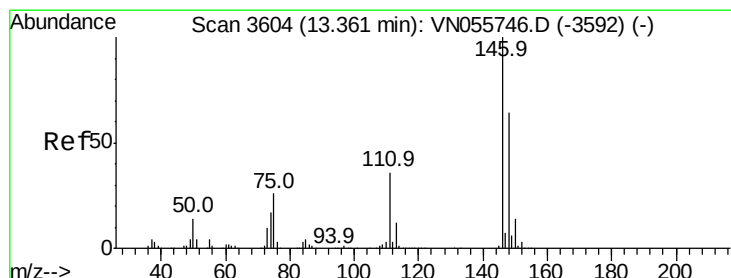
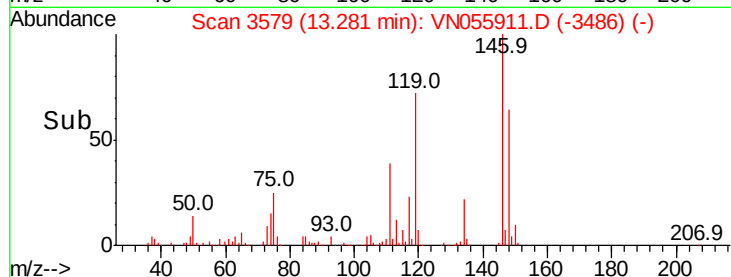
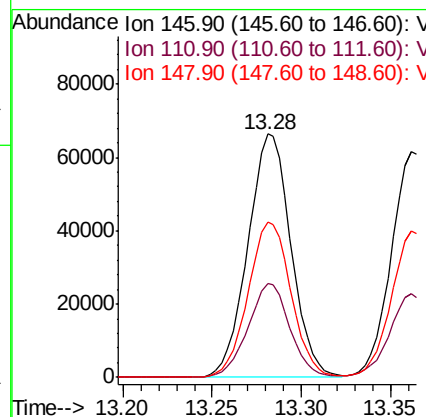
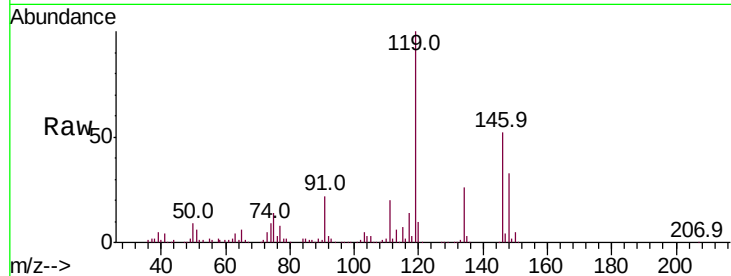
ClientSampled :

VN0531WBS01

Tot Ion:	146	Resp:	111749
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.5	55.5
148	63.7	32.0	96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.648 ug/l

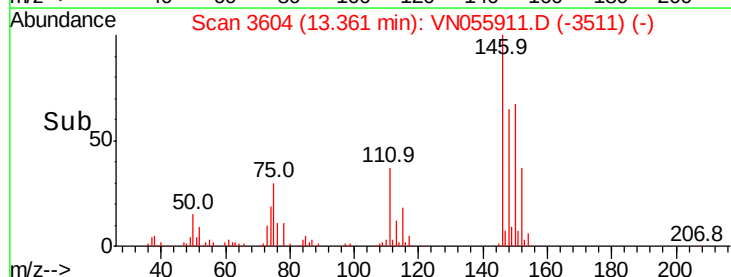
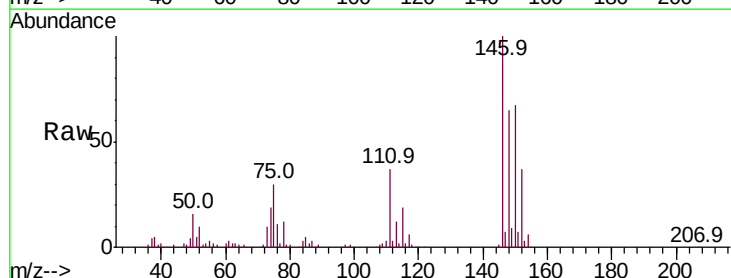
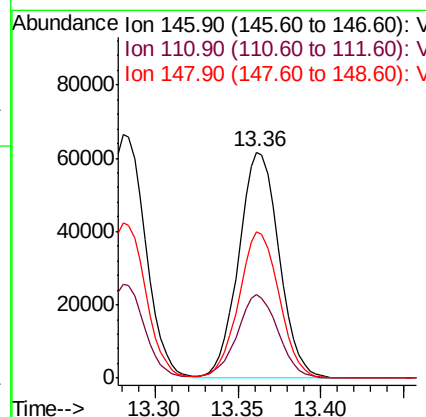
RT: 13.36 min Scan# 3604

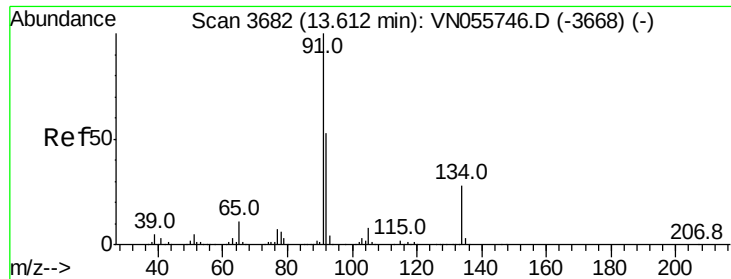
Delta R.T. 0.00 min

Lab File: VN055911.D

Acq: 31 May 2019 11:47

Tgt Ion:	146	Resp:	104521
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.1	54.4
148	64.9	32.1	96.5





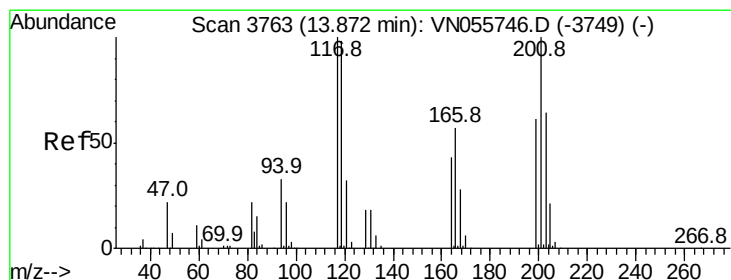
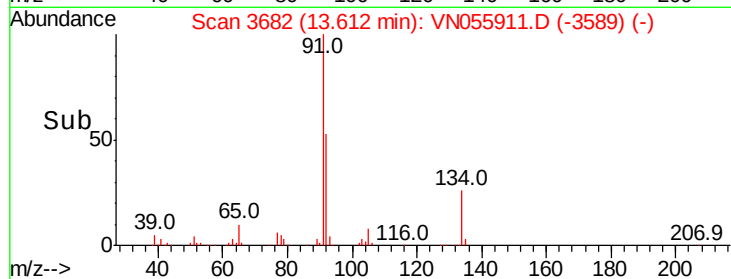
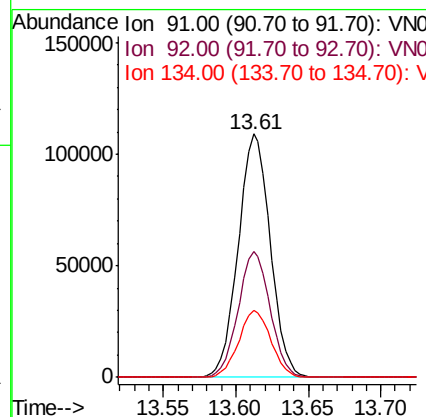
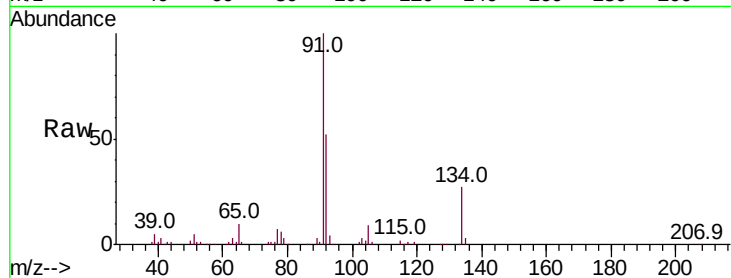
#89
n-Butylbenzene
Concen: 19.928 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	167091		
92	51.3	26.4	79.0	
134	27.7	13.9	41.7	

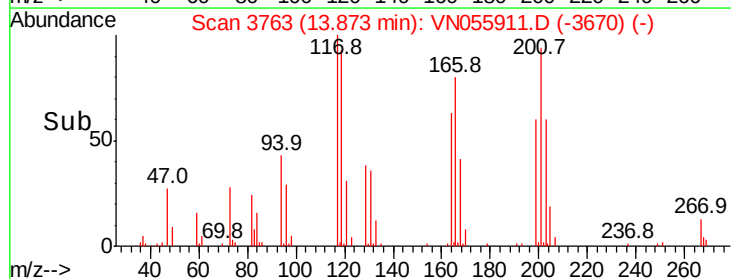
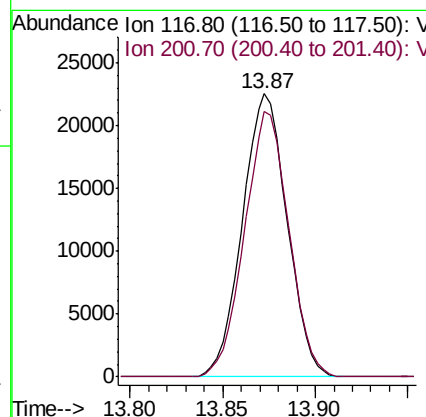
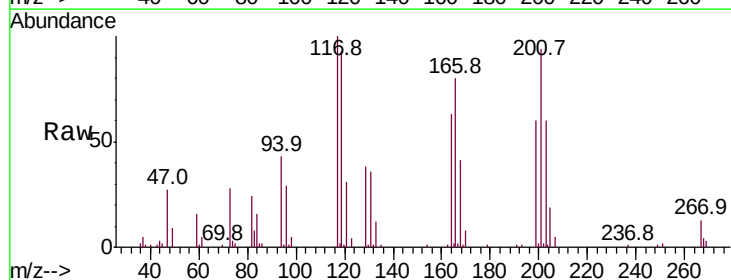
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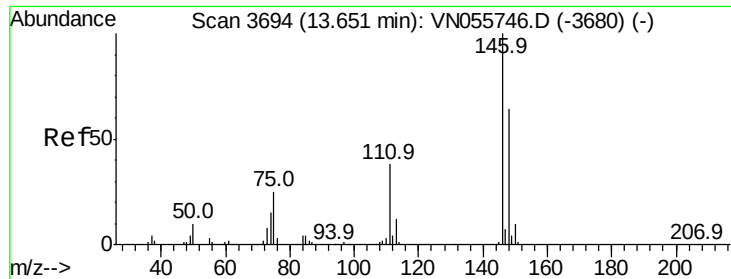
MMDadoda
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#90
Hexachloroethane
Concen: 18.075 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37648		
201	93.0	50.0	150.0	





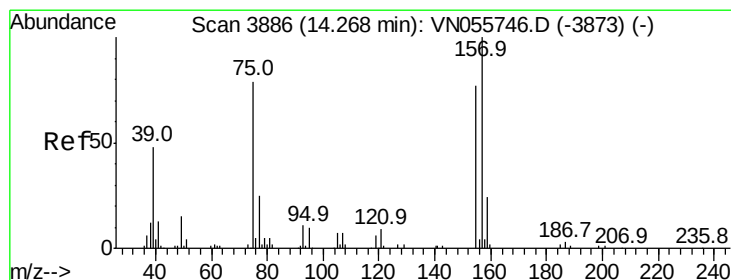
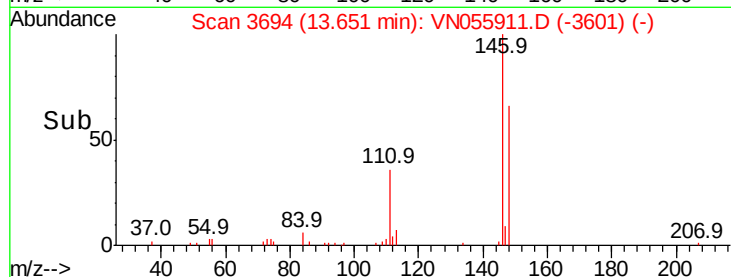
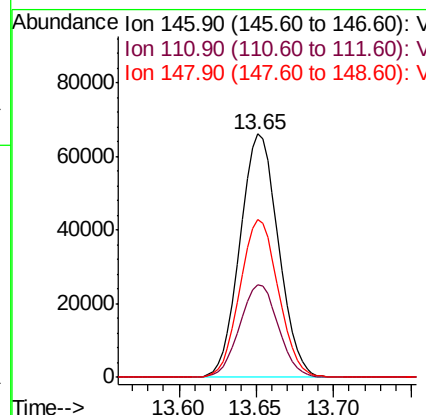
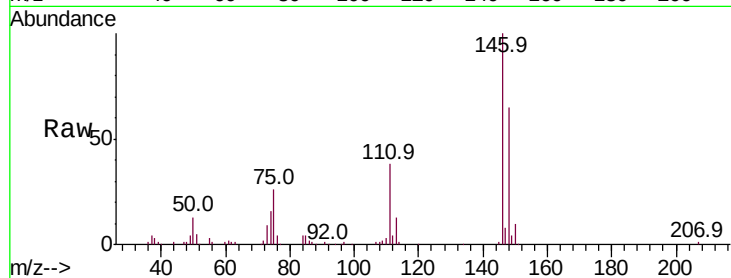
#91
 1,2-Dichlorobenzene
 Concen: 21.514 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	65.0	31.9	95.9

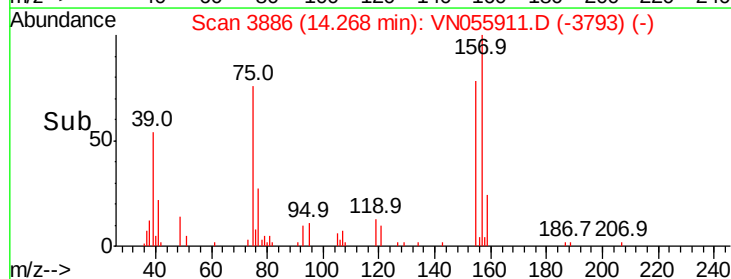
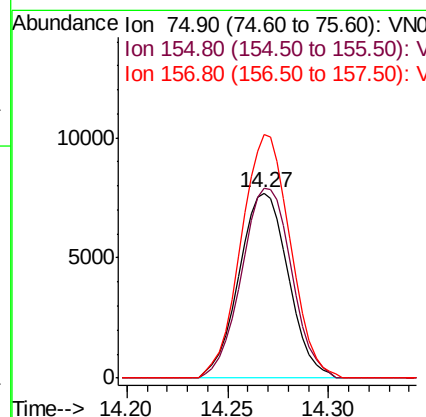
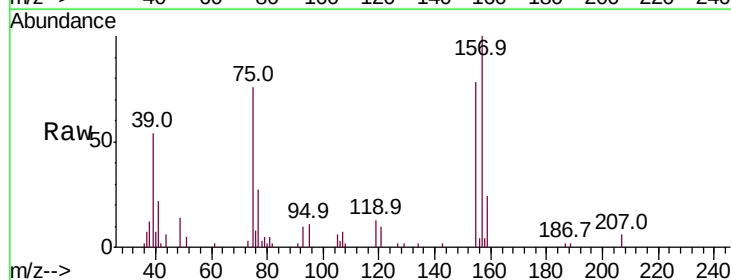
Manual Integrations
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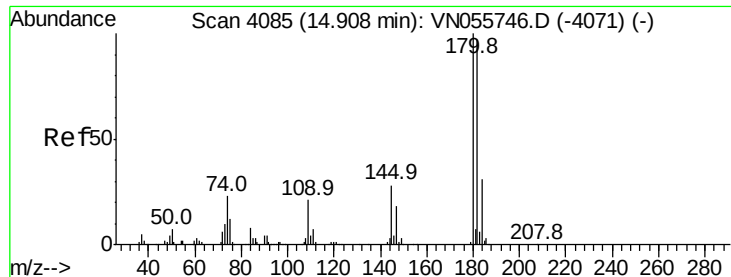
MMDadoda
 6/3/2019 4:12:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.891 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.0	50.0	150.1
157	131.0	64.8	194.3





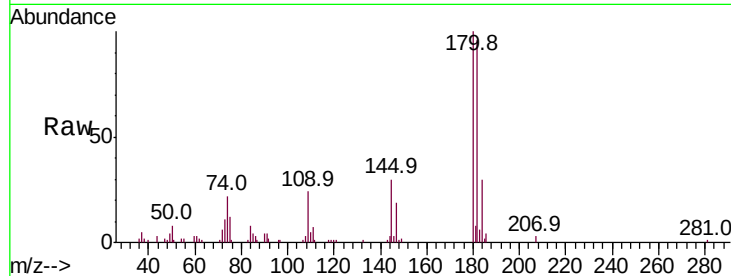
#93
 1,2,4-Trichlorobenzene
 Concen: 17.783 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0531WBS01

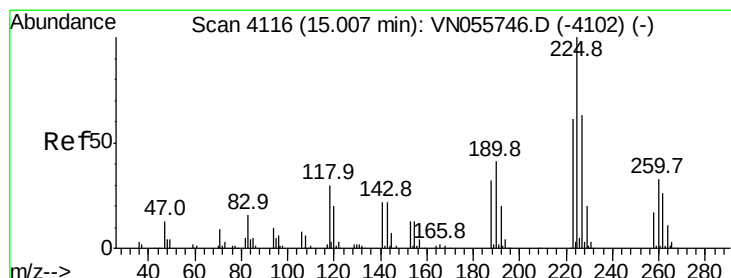
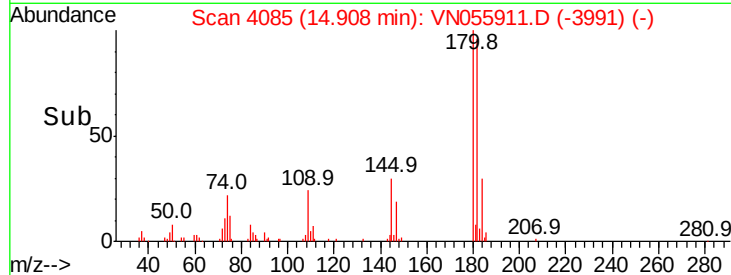
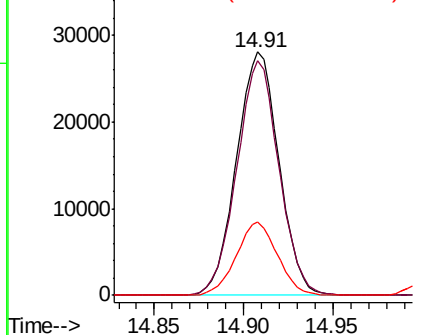
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.0	48.3	144.9	
145	29.2	14.0	41.9	

Manual Integrations
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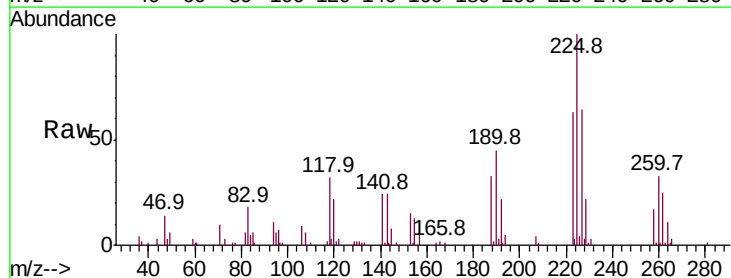


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

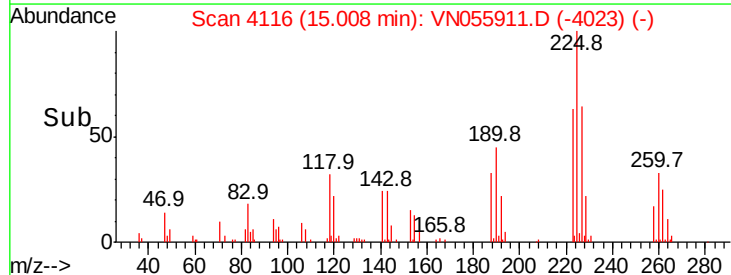
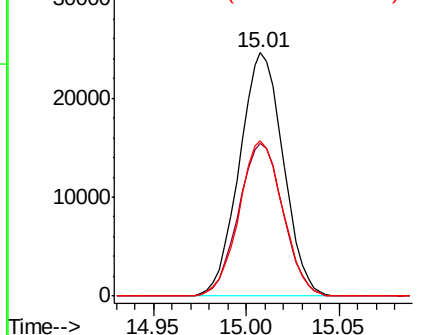


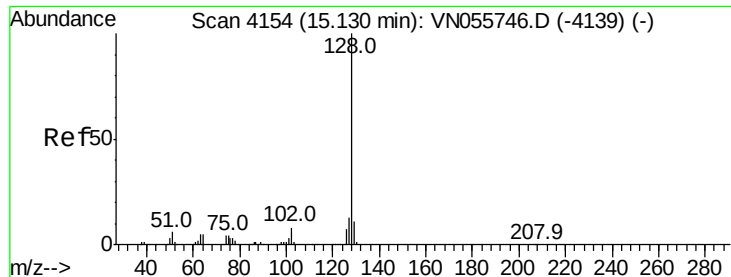
#94
 Hexachlorobutadiene
 Concen: 20.491 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055911.D
 Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	30.9	92.7	
227	63.4	31.6	94.7	



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





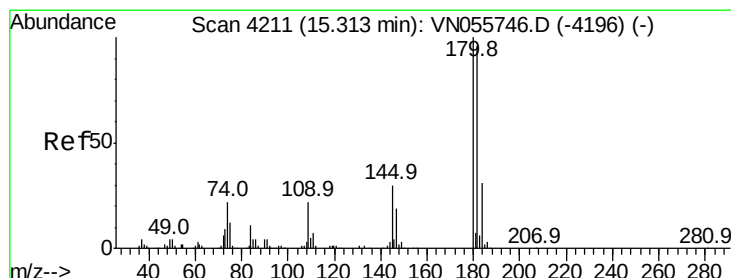
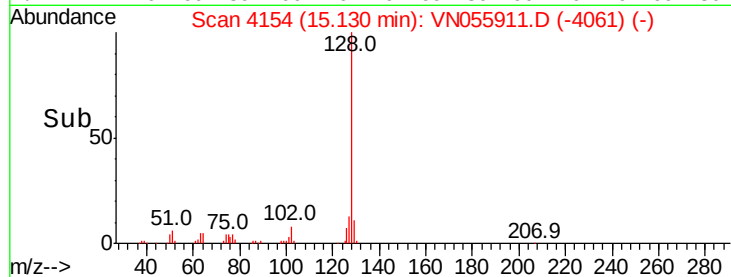
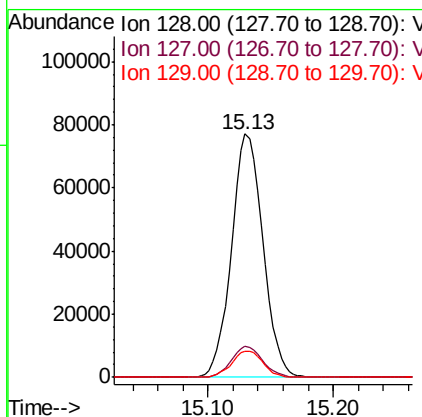
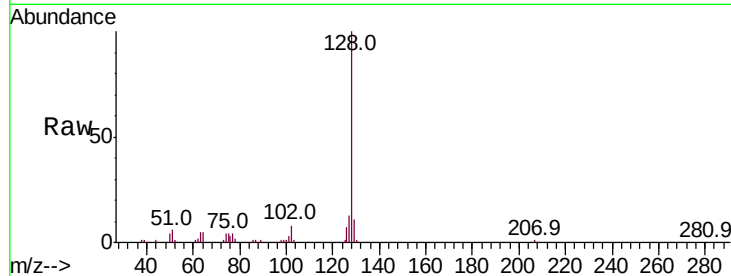
#95
Naphthalene
Concen: 18.436 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Instrument :
MSVOA_N
ClientSampleId :
VN0531WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.455 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055911.D
Acq: 31 May 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.7
145	29.7	14.9	44.7

