

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055836.D
 Acq On : 25 May 2019 8:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:37:03 AM

Quant Time: May 27 00:01:42 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	338395	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	505053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	208086	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	180849	51.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.50%	
35) Dibromofluoromethane	7.59	113	159265	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
50) Toluene-d8	10.09	98	619165	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	214227	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	102790	45.134	ug/l	99
3) Chloromethane	2.06	50	150078	47.033	ug/l	100
4) Vinyl Chloride	2.18	62	160049	47.026	ug/l	100
5) Bromomethane	2.54	94	111026m	52.144	ug/l	
6) Chloroethane	2.69	64	103778	50.646	ug/l	99
7) Trichlorofluoromethane	3.01	101	215940	48.396	ug/l	98
8) Diethyl Ether	3.40	74	95571	47.789	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	132068	47.416	ug/l	99
10) Methyl Iodide	3.94	142	218606	53.683	ug/l	100
11) Tert butyl alcohol	4.81	59	159723	239.208	ug/l	98
12) 1,1-Dichloroethene	3.72	96	139624	48.515	ug/l	96
13) Acrolein	3.60	56	97545	204.021	ug/l	97
14) Allyl chloride	4.31	41	215206	43.620	ug/l	100
15) Acrylonitrile	4.99	53	377880	246.457	ug/l	99
16) Acetone	3.82	43	302711	197.054	ug/l	99
17) Carbon Disulfide	4.04	76	357130	43.677	ug/l	99
18) Methyl Acetate	4.33	43	159278	51.027	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	468701	48.831	ug/l	99
20) Methylene Chloride	4.54	84	161312	48.488	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	150780	48.767	ug/l	98
22) Diisopropyl ether	5.95	45	470137	48.994	ug/l	99
23) Vinyl Acetate	5.90	43	1940253	235.831	ug/l	100
24) 1,1-Dichloroethane	5.84	63	270021	48.330	ug/l	99
25) 2-Butanone	6.84	43	485204	226.160	ug/l	100
26) 2,2-Dichloropropane	6.82	77	119258	24.664	ug/l	95
27) cis-1,2-Dichloroethene	6.82	96	180069	49.919	ug/l	94
28) Bromochloromethane	7.19	49	133866	50.325	ug/l	98
29) Tetrahydrofuran	7.21	42	325847	239.837	ug/l	99
30) Chloroform	7.37	83	275578	49.459	ug/l	100
31) Cyclohexane	7.65	56	243554	46.432	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	240033	48.276	ug/l	99
36) 1,1-Dichloropropene	7.79	75	204136	46.381	ug/l	100
37) Ethyl Acetate	6.93	43	203194	47.767	ug/l	99
38) Carbon Tetrachloride	7.77	117	210451	45.904	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	248331	45.563	ug/l	98
40) Benzene	8.04	78	641820	48.385	ug/l	99
41) Methacrylonitrile	7.17	41	82477	38.378	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	205098	47.318	ug/l	100
43) Isopropyl Acetate	8.17	43	332129	46.469	ug/l	100
44) Trichloroethene	8.83	130	183123	49.520	ug/l	100
45) 1,2-Dichloropropane	9.12	63	167981	48.605	ug/l	100
46) Dibromomethane	9.21	93	111503	49.196	ug/l	98
47) Bromodichloromethane	9.40	83	218231	46.956	ug/l	100
48) Methyl methacrylate	9.20	41	164510	49.942	ug/l	98
49) 1,4-Dioxane	9.20	88	63626	929.497	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1017035	240.936	ug/l	100
52) Toluene	10.16	92	409908	49.134	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	214277	43.193	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	240177	43.703	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164542	49.233	ug/l	99
56) Ethyl methacrylate	10.43	69	255413	49.449	ug/l	100
57) 1,3-Dichloropropane	10.71	76	267383	49.219	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	457020	231.529	ug/l	100
59) 2-Hexanone	10.75	43	694041	231.769	ug/l	99
60) Dibromochloromethane	10.90	129	185191	47.565	ug/l	99
61) 1,2-Dibromoethane	11.01	107	170691	49.239	ug/l	99
64) Tetrachloroethene	10.63	164	199978	52.301	ug/l	99
65) Chlorobenzene	11.43	112	438397	48.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	169504	46.829	ug/l	100
67) Ethyl Benzene	11.51	91	779120	47.873	ug/l	99
68) m/p-Xylenes	11.62	106	594439	96.615	ug/l	99
69) o-Xylene	11.95	106	291911	47.821	ug/l	99
70) Styrene	11.96	104	487628	49.328	ug/l	100
71) Bromoform	12.13	173	143510	46.483	ug/l #	100
73) Isopropylbenzene	12.25	105	768710	52.042	ug/l	99
74) N-amyl acetate	12.07	43	274705	48.692	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	222145	50.721	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195582m	54.894	ug/l	
77) Bromobenzene	12.53	156	210054	47.306	ug/l	95
78) n-propylbenzene	12.59	91	826116	45.678	ug/l	100
79) 2-Chlorotoluene	12.67	91	501336	51.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	636737	51.165	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53991	34.910	ug/l	96
82) 4-Chlorotoluene	12.77	91	488476	45.948	ug/l	99
83) tert-Butylbenzene	12.99	119	557549	51.884	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	627322	50.454	ug/l	99
85) sec-Butylbenzene	13.17	105	723355	51.720	ug/l	100
86) p-Isopropyltoluene	13.29	119	659508	45.638	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	332876	47.344	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	324748	48.581	ug/l	99
89) n-Butylbenzene	13.61	91	508050	45.885	ug/l	100
90) Hexachloroethane	13.87	117	117848	42.845	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	332660	47.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39106	42.414	ug/l	97

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ClientSampleId :
VSTDCCC050EC

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	14.91	180	179562	44.892	ug/l	99
94) Hexachlorobutadiene	15.01	225	120361	48.707	ug/l	99
95) Naphthalene	15.13	128	483771	50.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	187789	50.643	ug/l	100

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

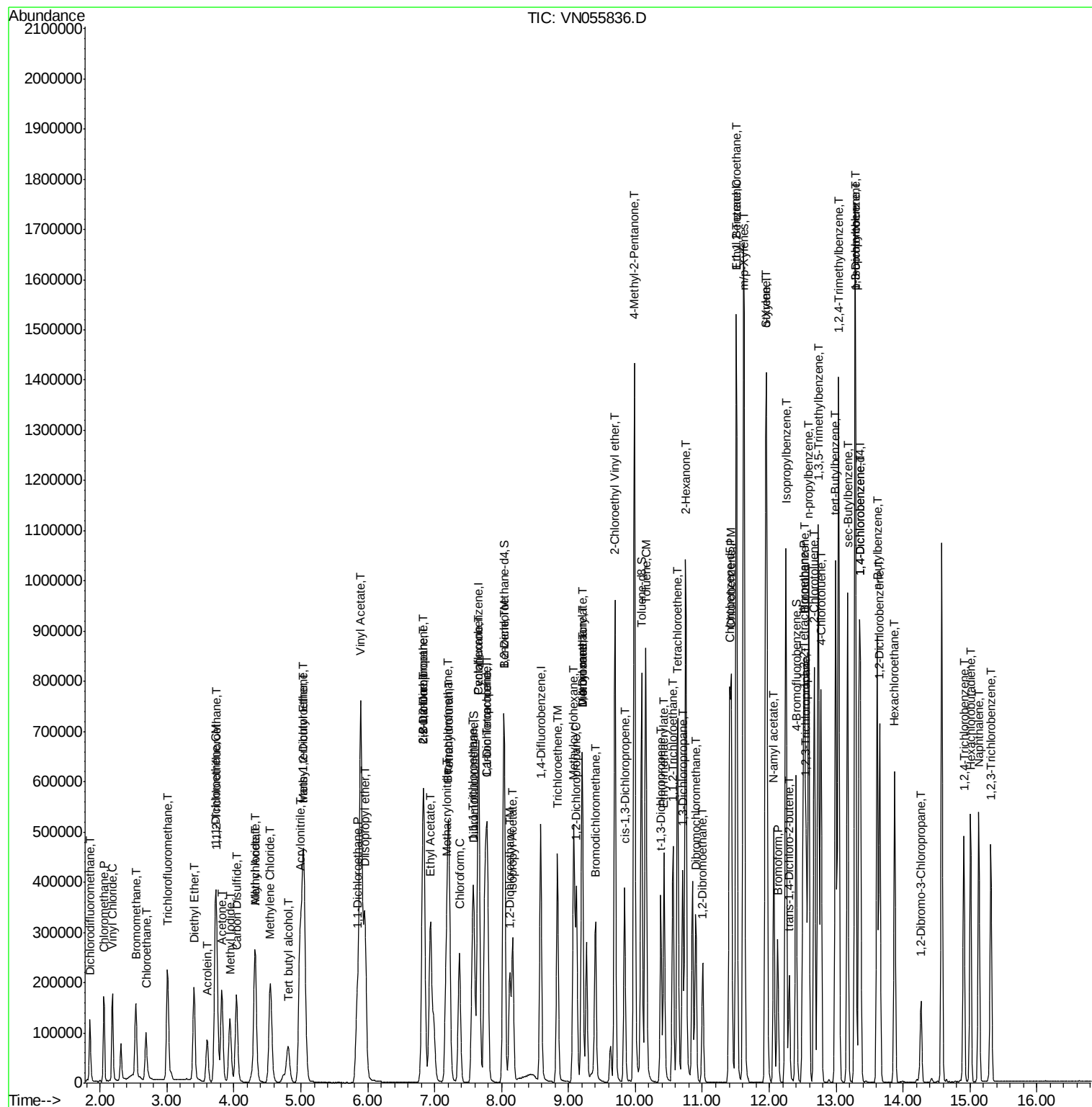
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Data File : VN055836.D
Acq On : 25 May 2019 8:49
Operator : JC/SP
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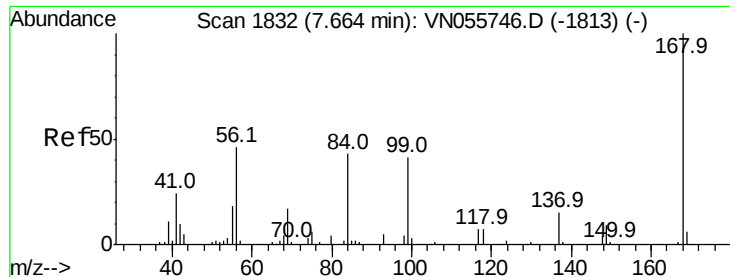
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 338395

Ion Ratio Lower Upper

168 100

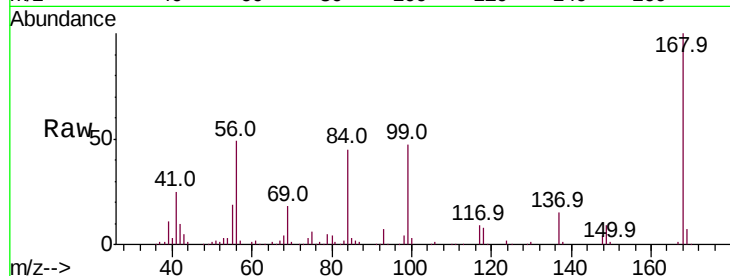
99 46.2 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

150000

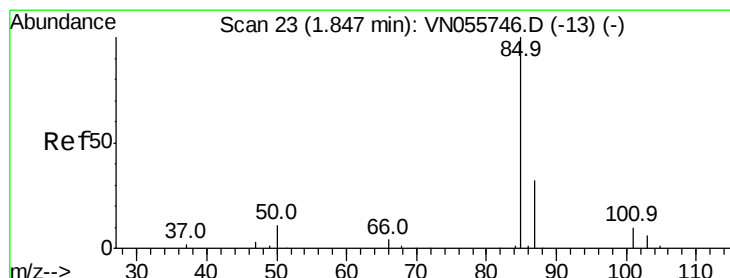
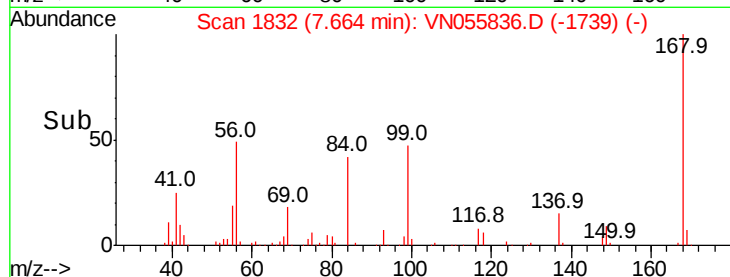
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 45.134 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055836.D

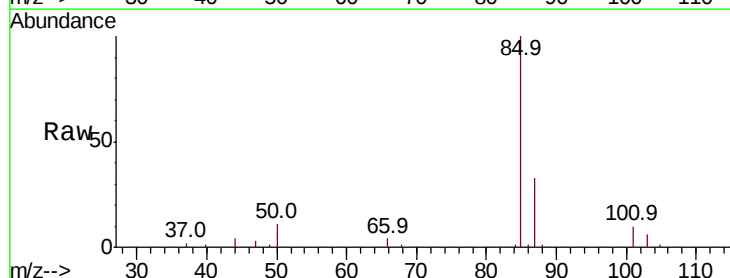
Acq: 25 May 2019 8:49

Tgt Ion: 85 Resp: 102790

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055746.D (-13) (-)

1.85

80000

60000

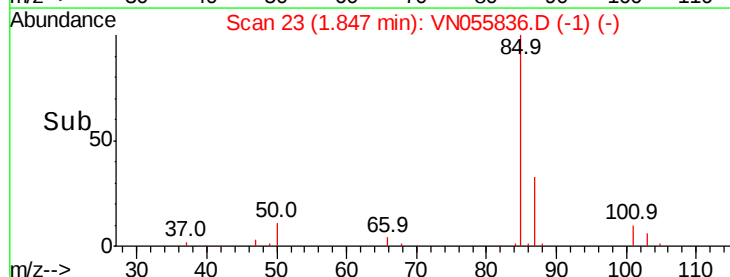
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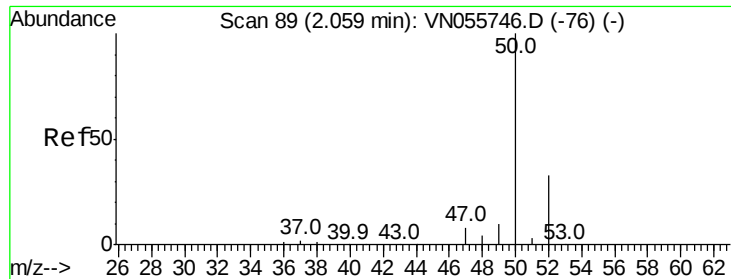
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0

1.80 1.85 1.90 1.95

Time-->





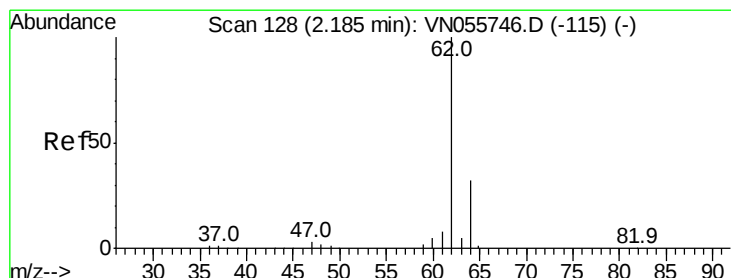
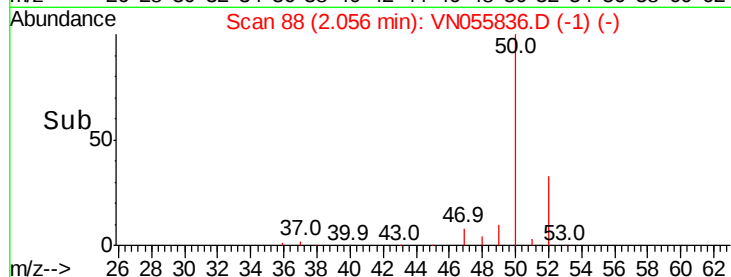
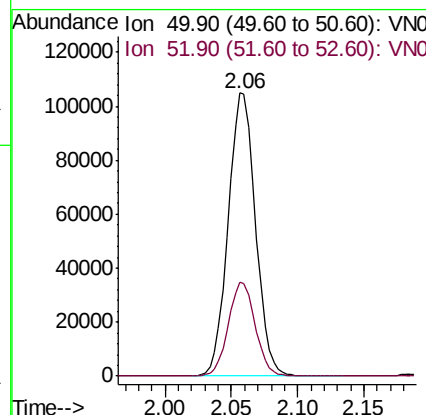
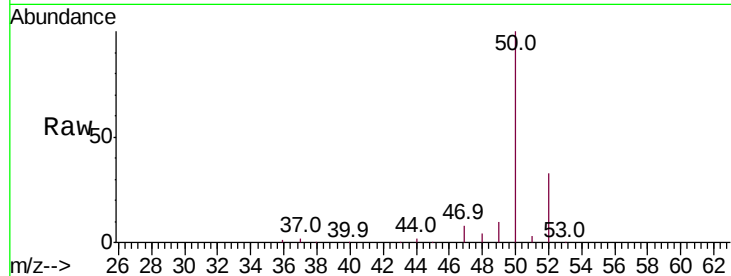
#3
Chloromethane
Concen: 47.033 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	50	52	Ratio	Lower	Upper
50	100				
52	33.1		26.6	40.0	

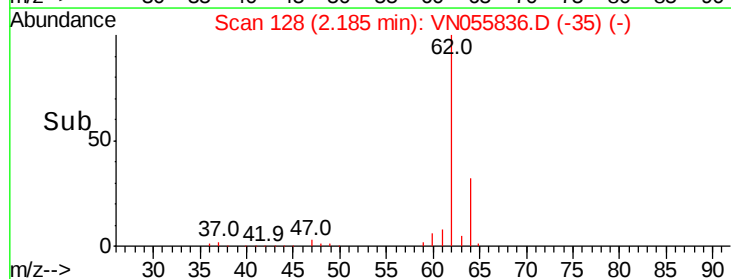
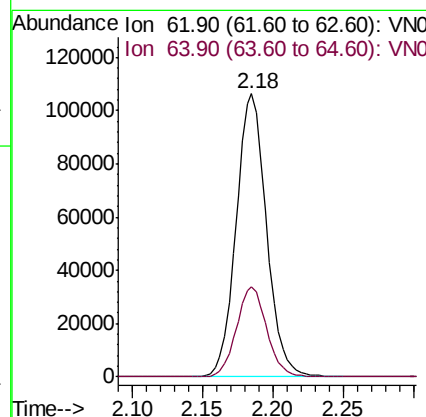
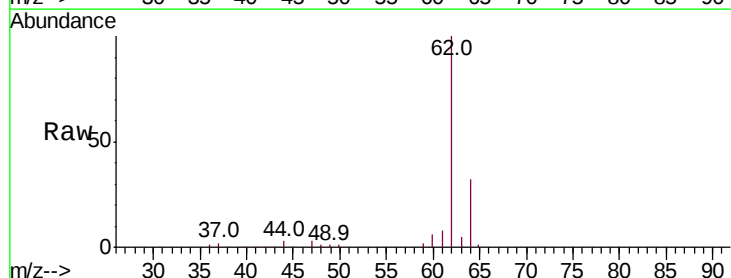
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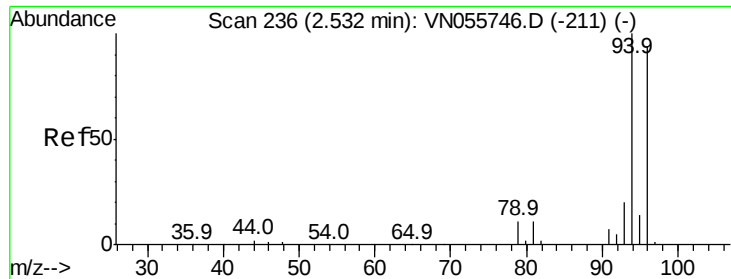
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#4
Vinyl Chloride
Concen: 47.026 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	62	64	Ratio	Lower	Upper
62	100				
64	31.8		25.6	38.4	





#5

Bromomethane

Concen: 52.144 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 111026

Ion Ratio Lower Upper

94 100

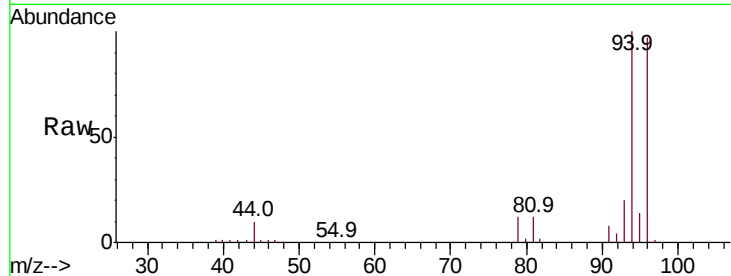
96 97.3 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

60000

50000

40000

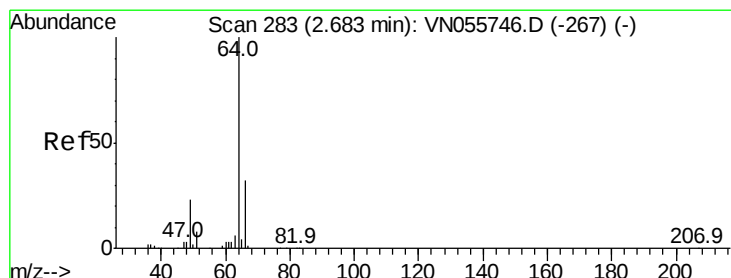
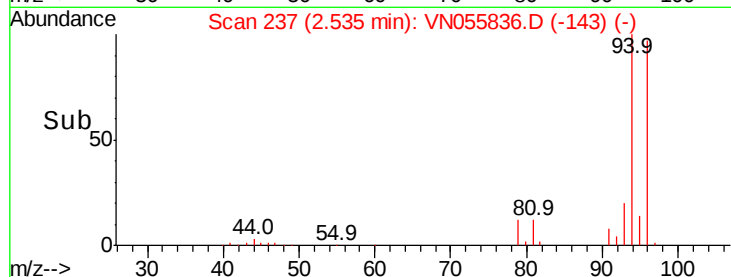
30000

20000

10000

0

Time--> 2.40 2.50 2.60 2.70



#6

Chloroethane

Concen: 50.646 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055836.D

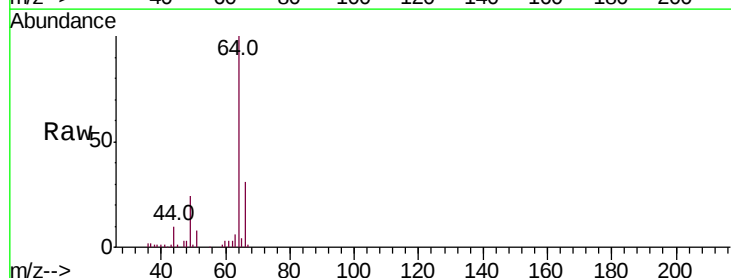
Acq: 25 May 2019 8:49

Tgt Ion: 64 Resp: 103778

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

50000

40000

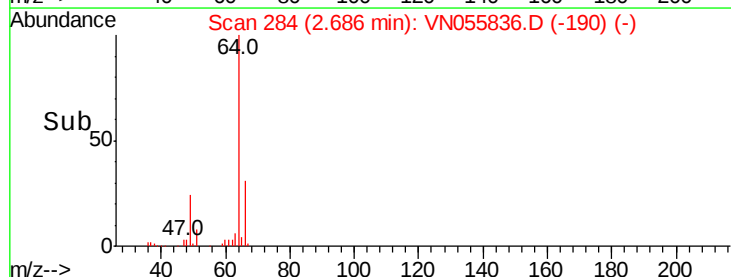
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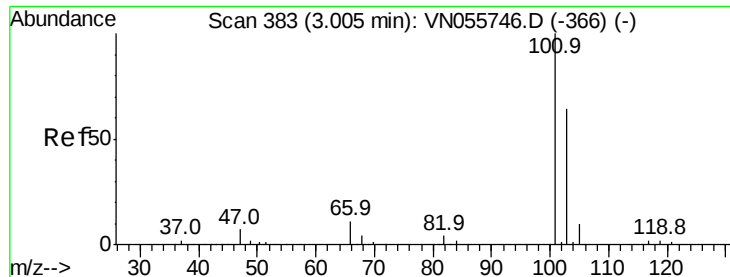
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10000

0

Time--> 2.60 2.70 2.80





#7

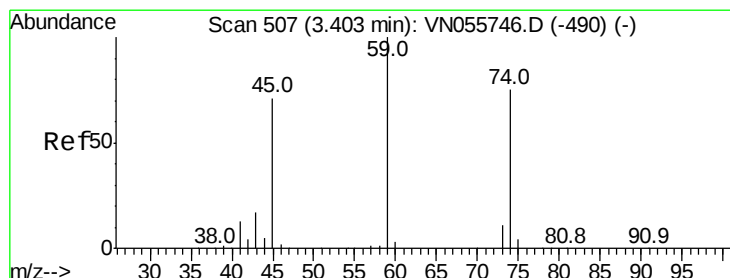
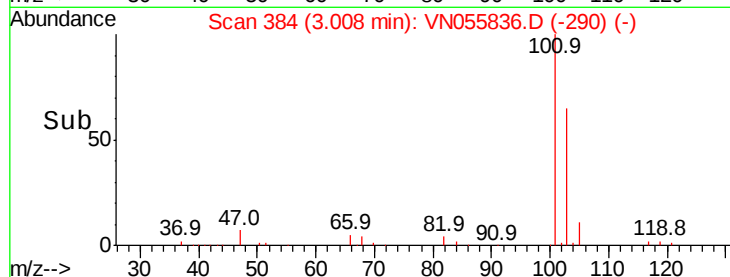
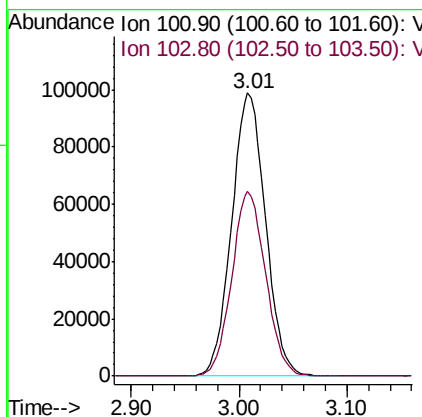
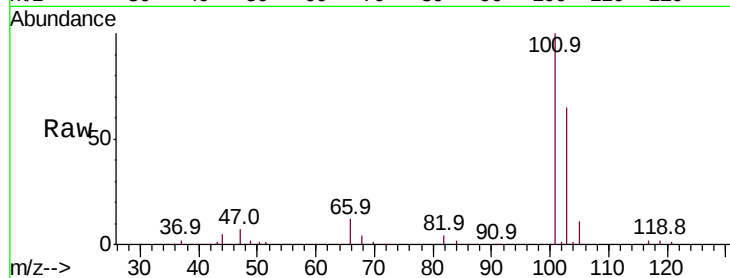
Trichlorofluoromethane
Concen: 48.396 ug/l
RT: 3.01 min Scan# 384
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.2	76.8

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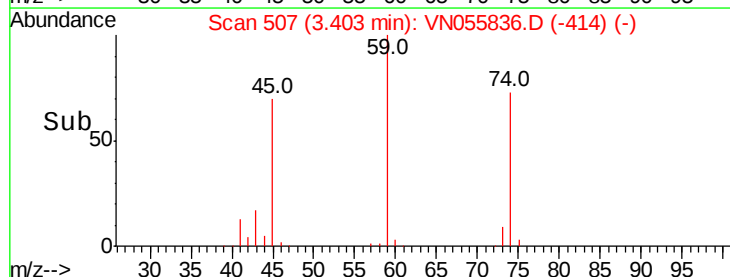
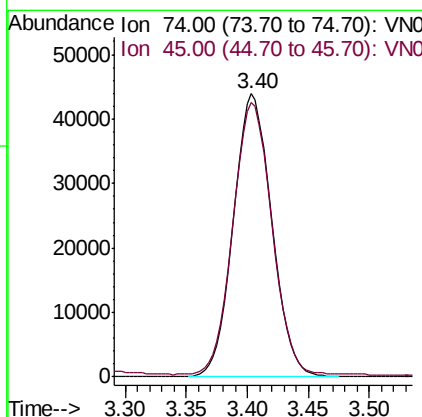
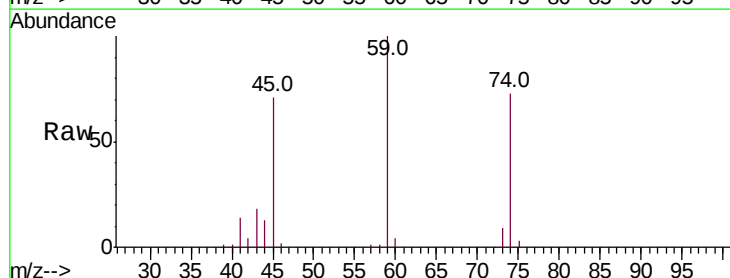
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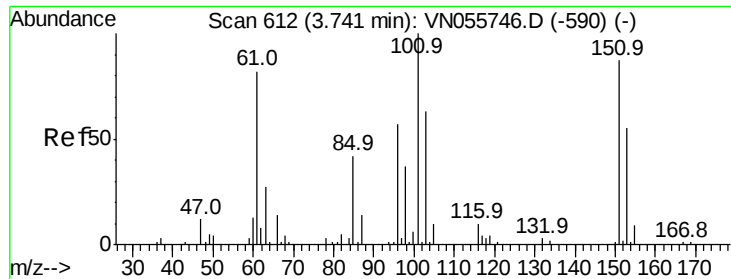


#8

Diethyl Ether
Concen: 47.789 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.416 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

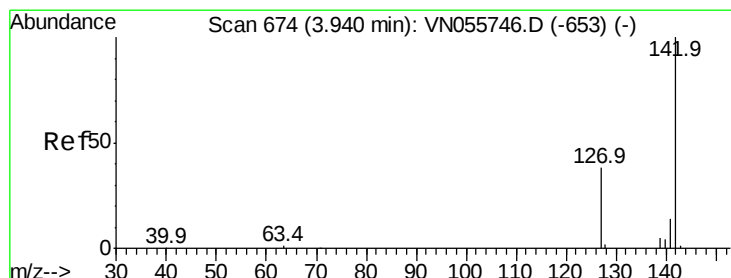
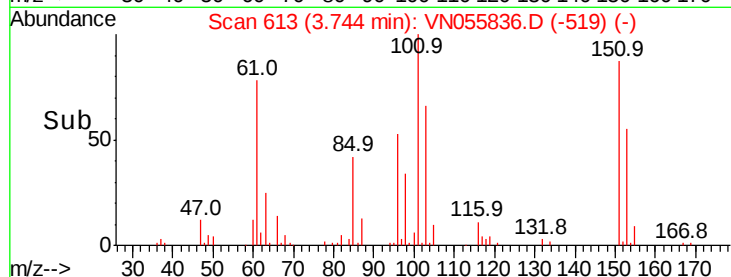
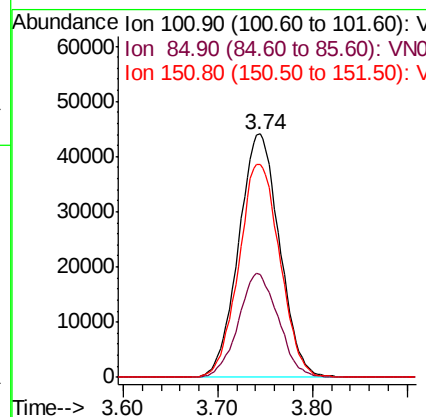
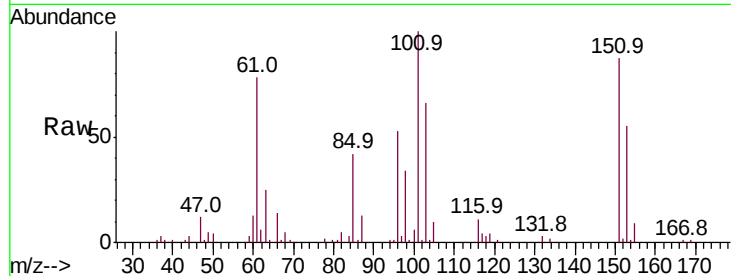
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	132068
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.2
151	88.0	69.4	104.2

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#10

Methyl Iodide

Concen: 53.683 ug/l

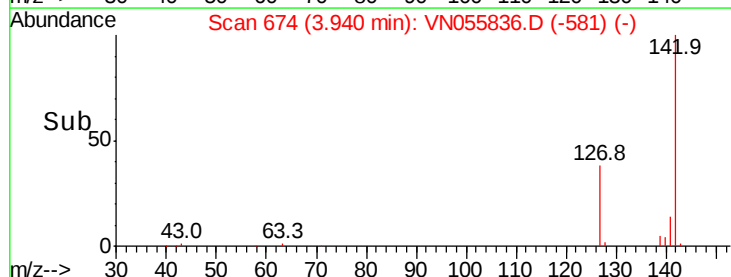
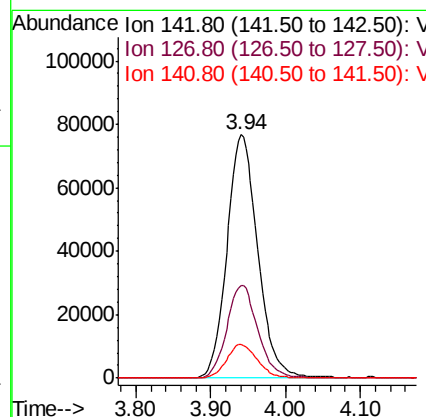
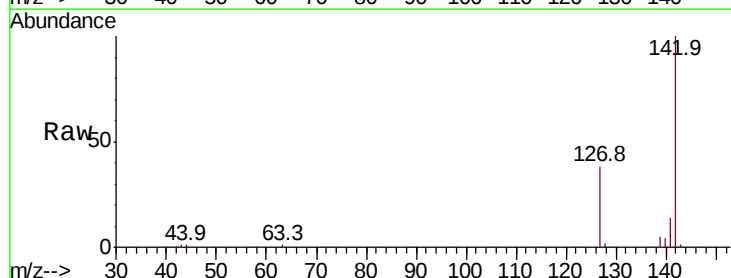
RT: 3.94 min Scan# 674

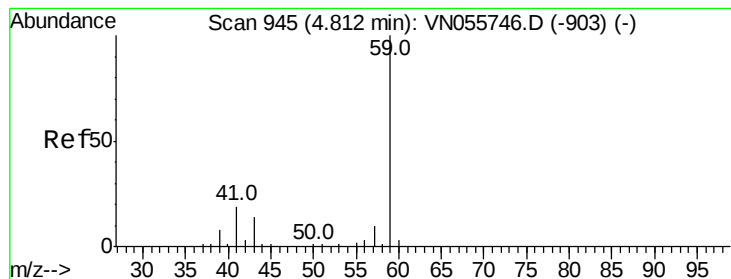
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	142	Resp:	218606
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	13.9	11.4	17.0





#11

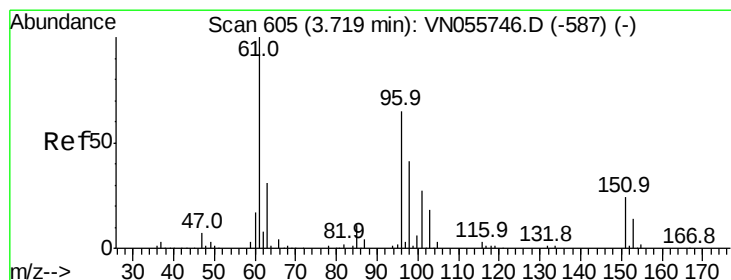
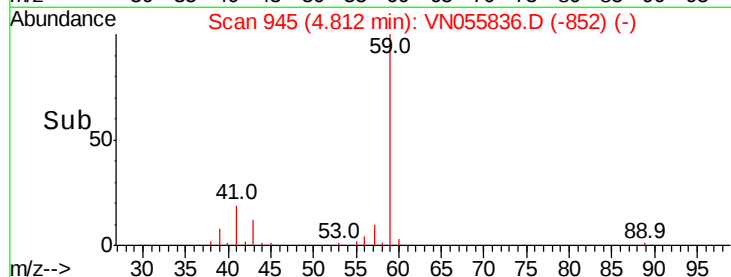
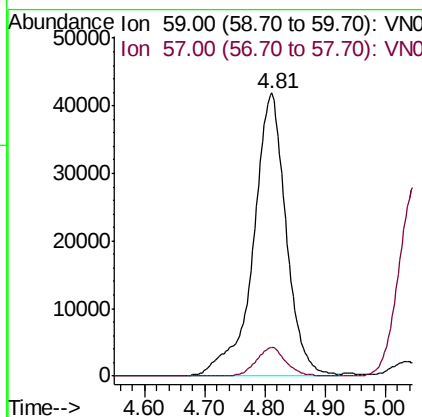
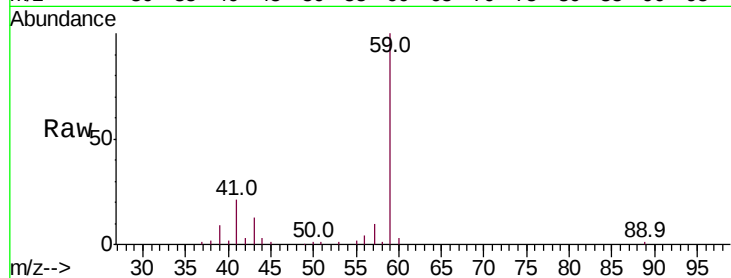
Tert butyl alcohol
 Concen: 239.208 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.1	7.8	11.6

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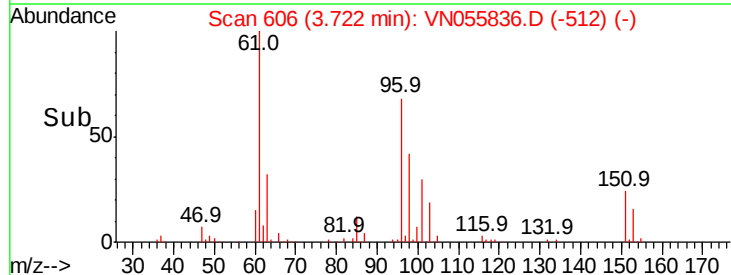
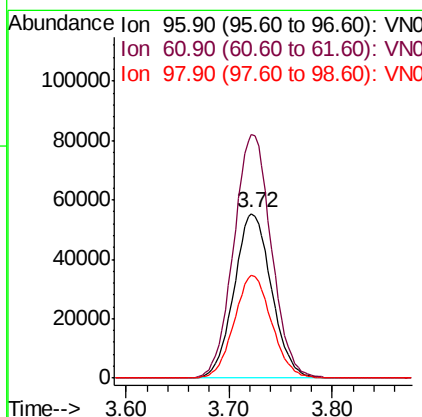
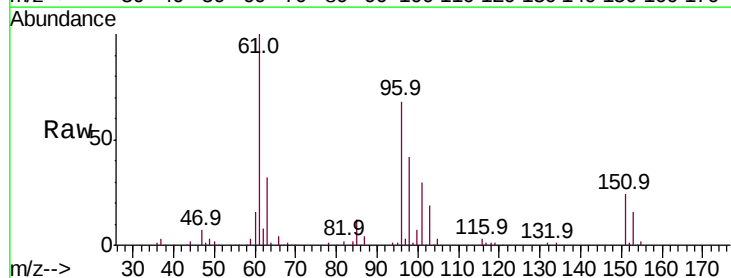
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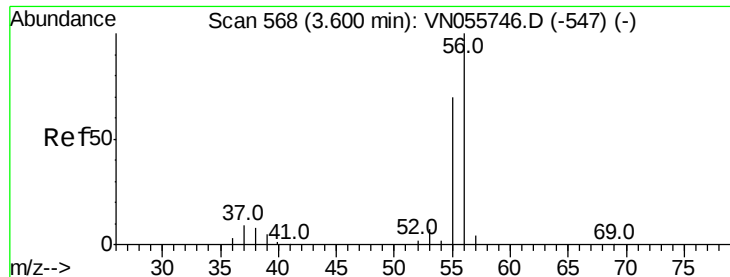


#12

1,1-Dichloroethene
 Concen: 48.515 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	123.2	184.8
98	62.4	50.4	75.6





#13

Acrolein

Concen: 204.021 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 97545

Ion Ratio Lower Upper

56 100

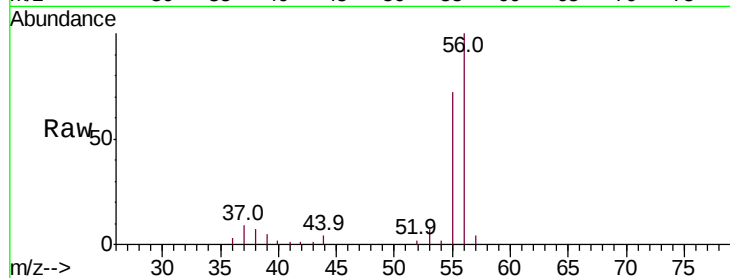
55 71.4 55.4 83.2

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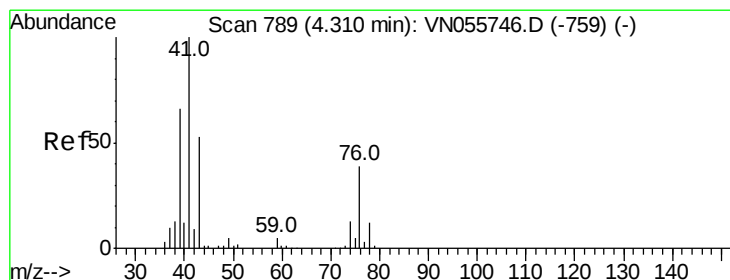
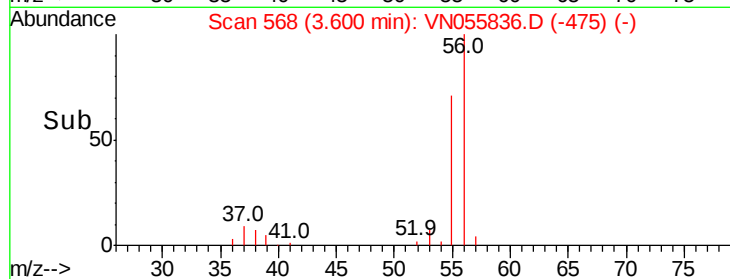
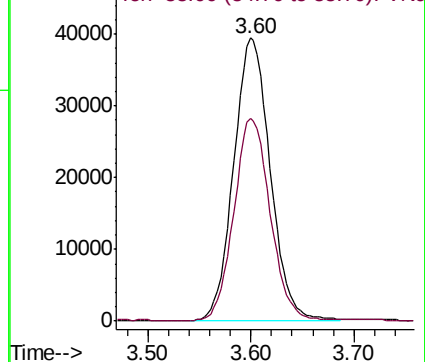
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.620 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

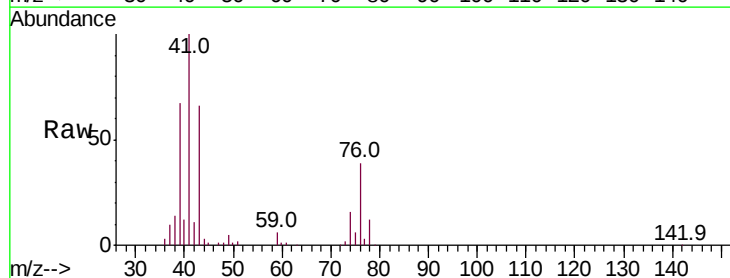
Tgt Ion: 41 Resp: 215206

Ion Ratio Lower Upper

41 100

39 62.2 50.0 75.0

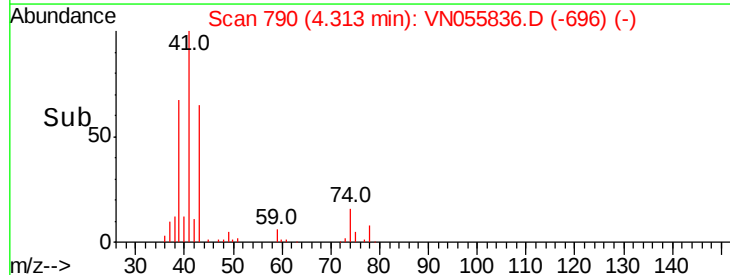
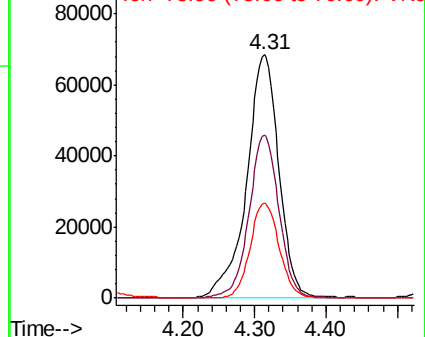
76 35.1 28.2 42.2



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: 246.457 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

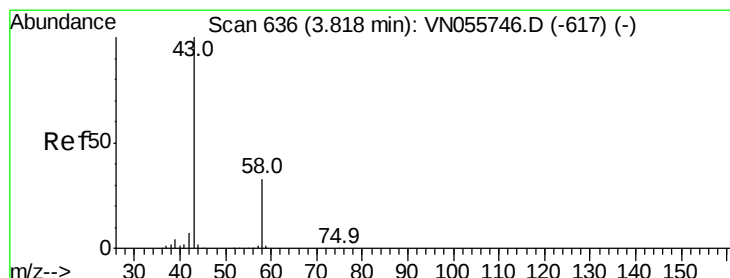
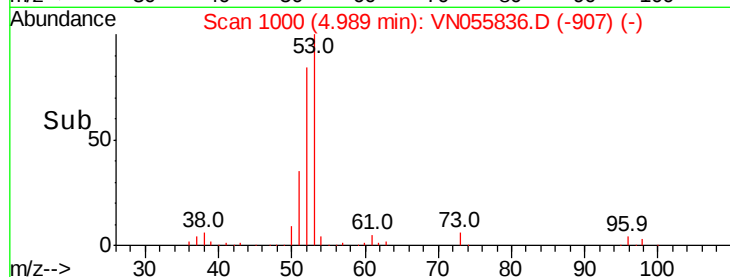
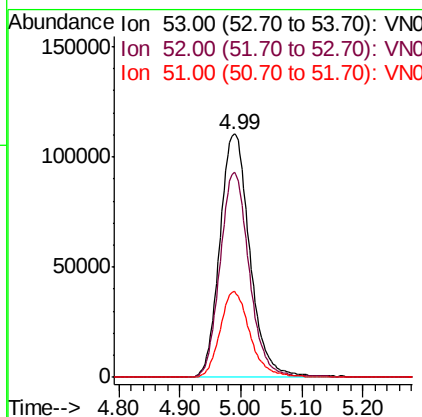
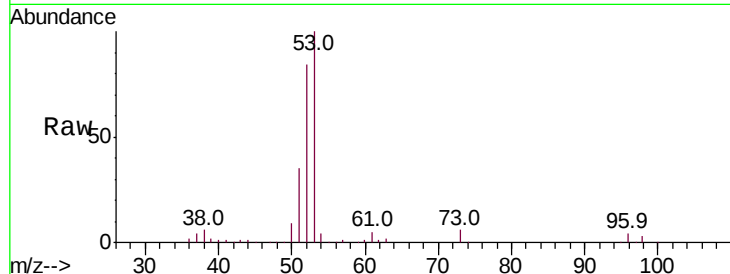
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	377880
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.8	98.8
51	35.2	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 197.054 ug/l

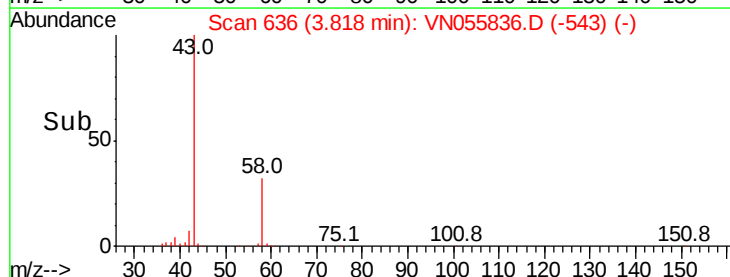
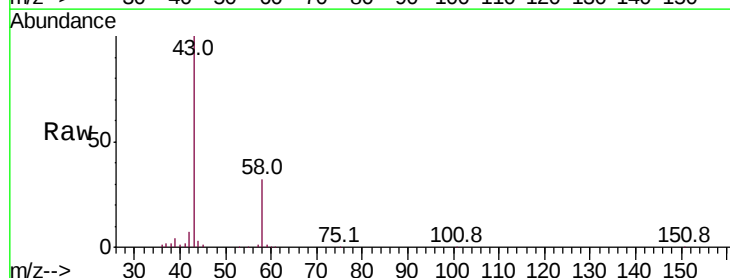
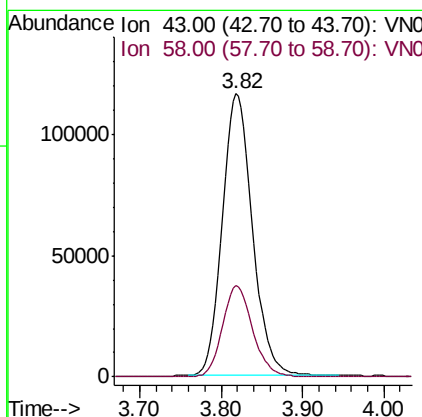
RT: 3.82 min Scan# 636

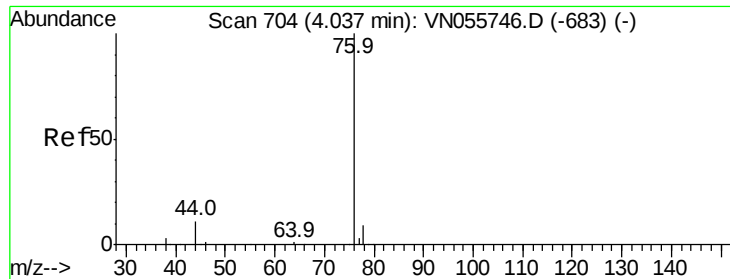
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	43	Resp:	302711
Ion Ratio	Lower	Upper	
43	100		
58	32.4	26.6	39.8





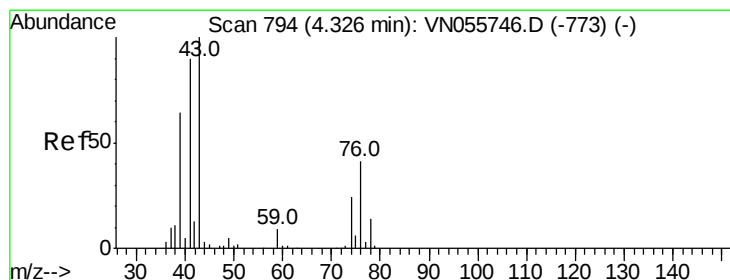
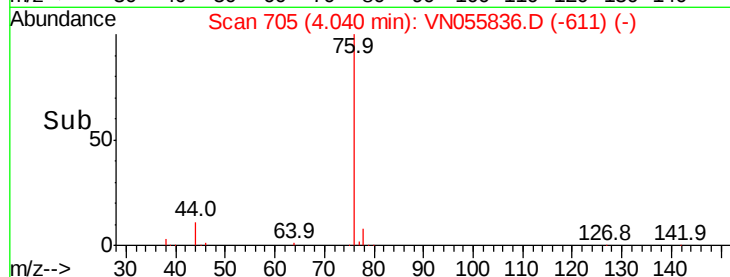
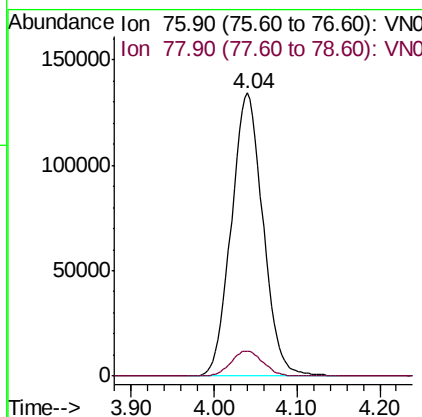
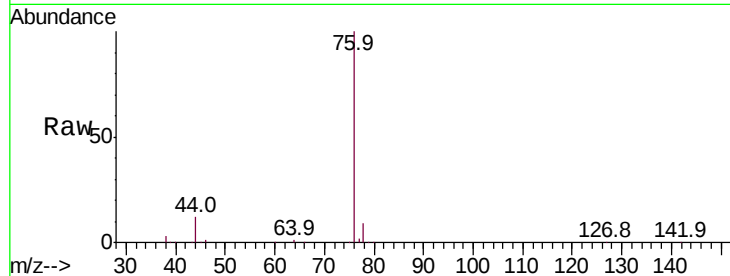
#17
Carbon Disulfide
Concen: 43.677 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

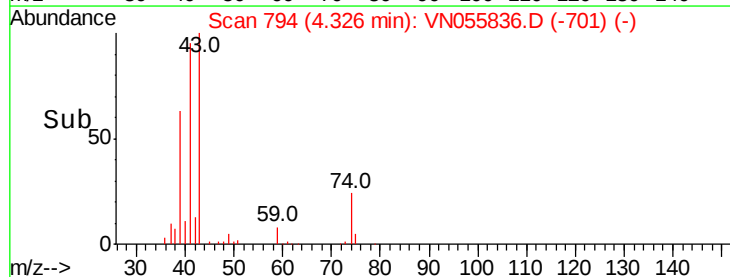
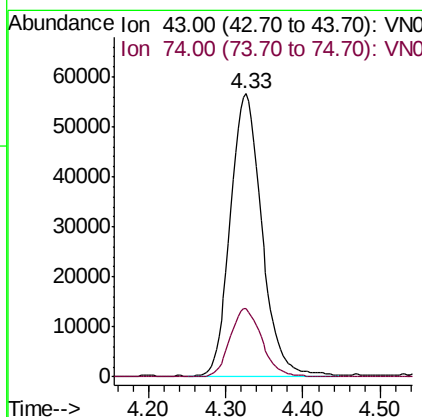
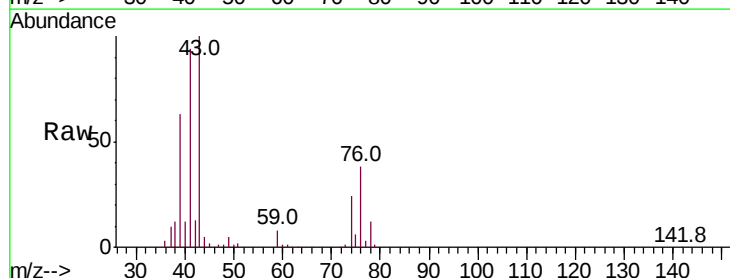
Manual Integrations
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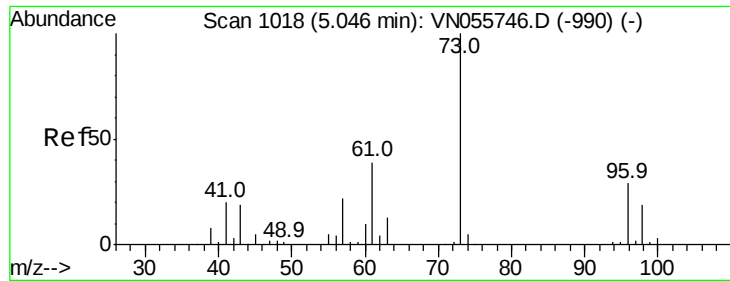
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#18
Methyl Acetate
Concen: 51.027 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





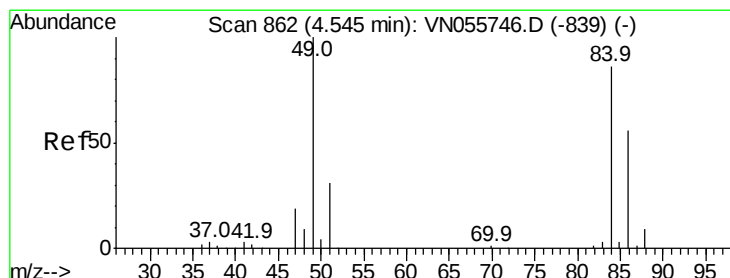
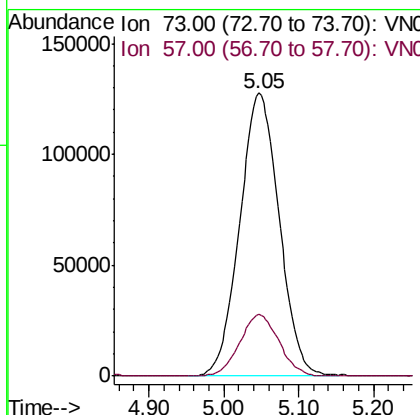
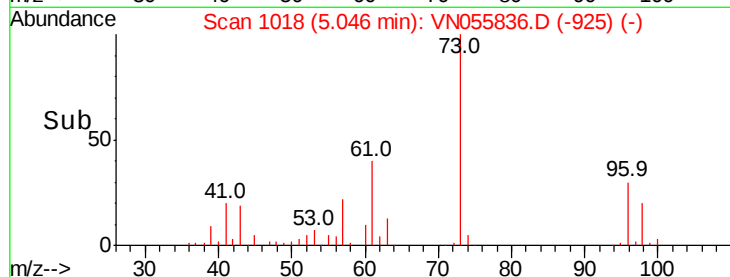
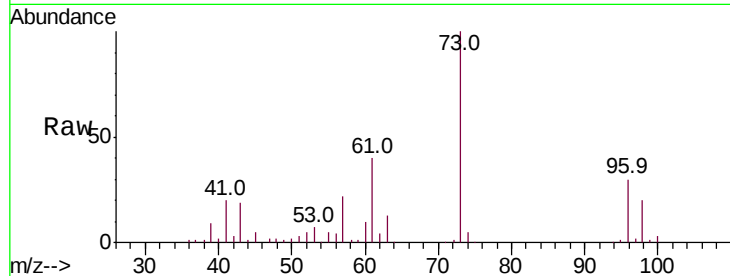
#19
Methyl tert-butyl Ether
Concen: 48.831 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 468701
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8

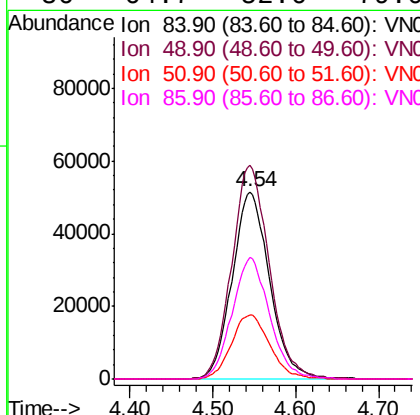
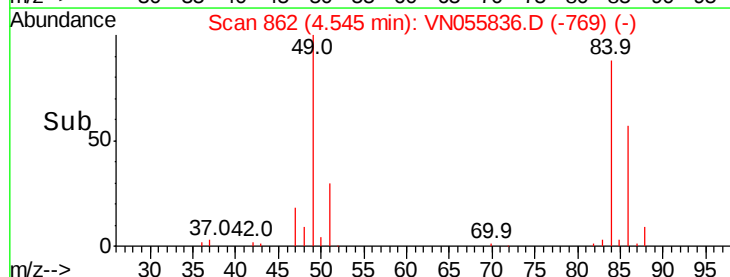
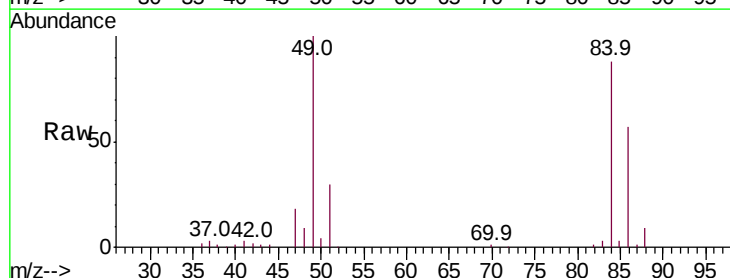
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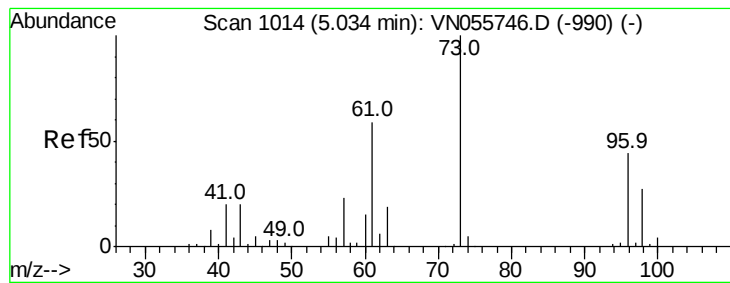
MMDadoda
5/28/2019 10:37:03 AM



#20
Methylene Chloride
Concen: 48.488 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion: 84 Resp: 161312
Ion Ratio Lower Upper
84 100
49 113.9 93.5 140.3
51 34.1 28.6 43.0
86 64.7 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 48.767 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 150780

Ion Ratio Lower Upper

96 100

61 132.1 107.8 161.8

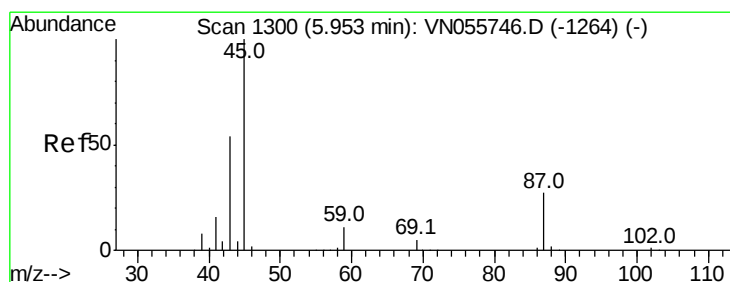
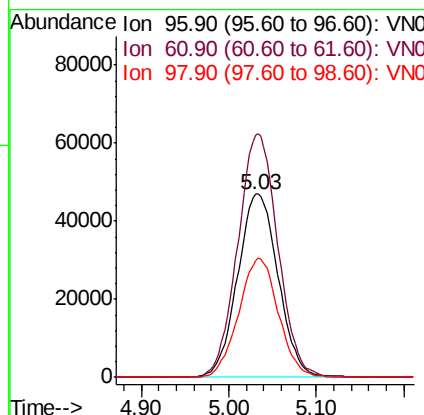
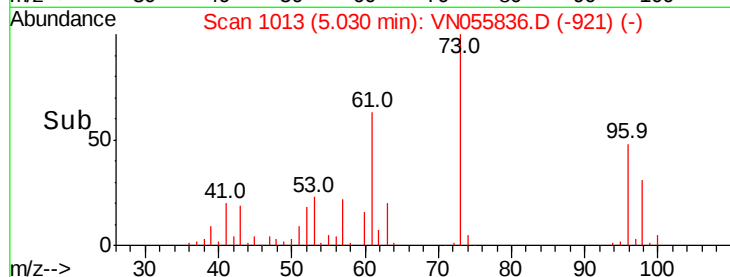
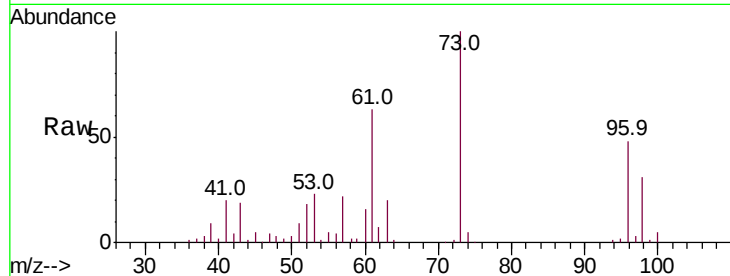
98 63.9 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.994 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion: 45 Resp: 470137

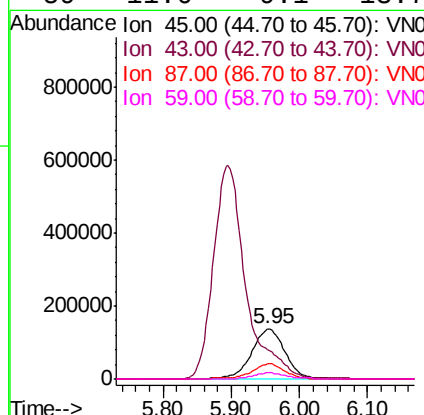
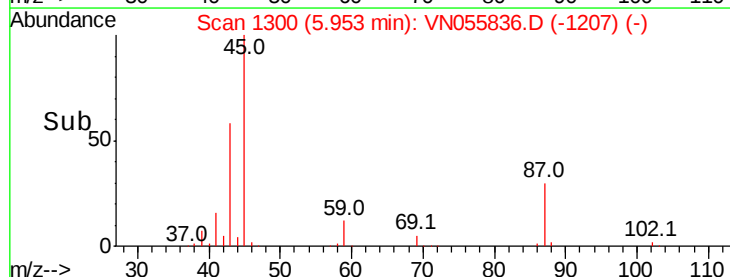
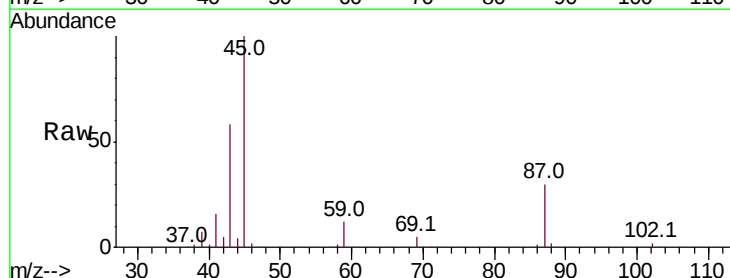
Ion Ratio Lower Upper

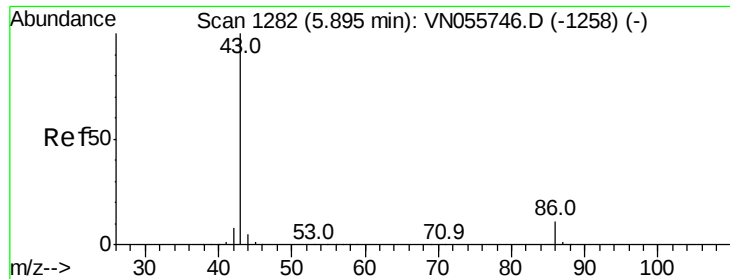
45 100

43 56.7 45.0 67.6

87 29.7 22.2 33.4

59 11.6 9.1 13.7





#23

Vinyl Acetate

Concen: 235.831 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

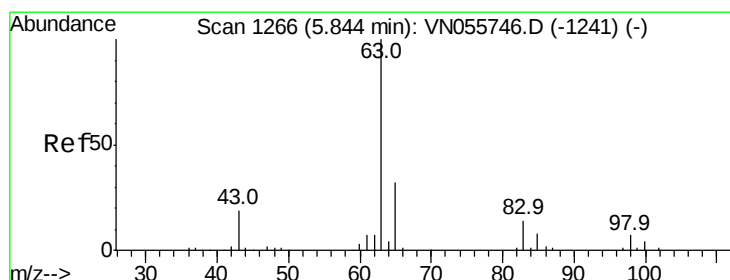
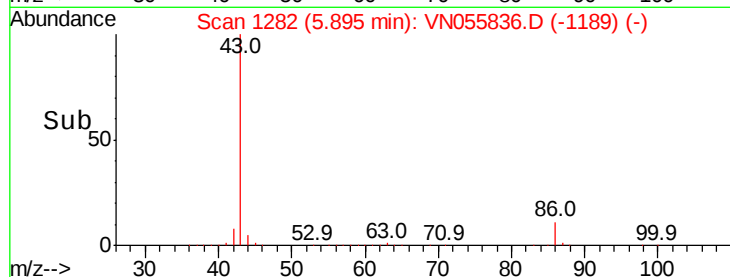
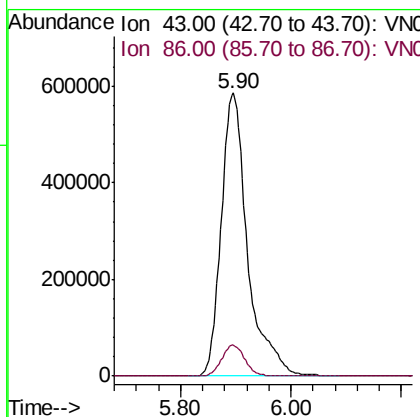
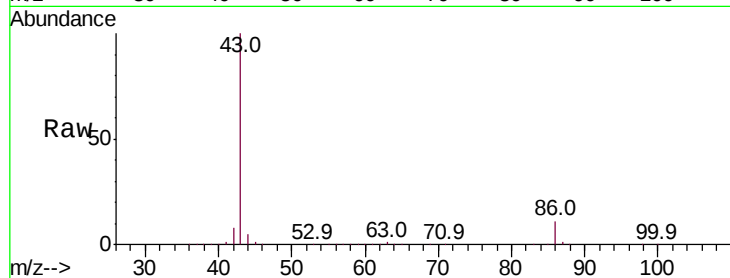
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1940253

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	13.0

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 48.330 ug/l

RT: 5.84 min Scan# 1266

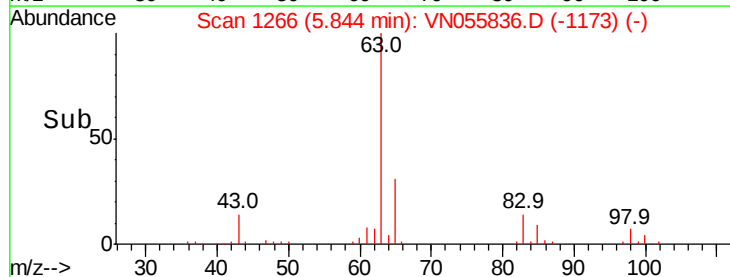
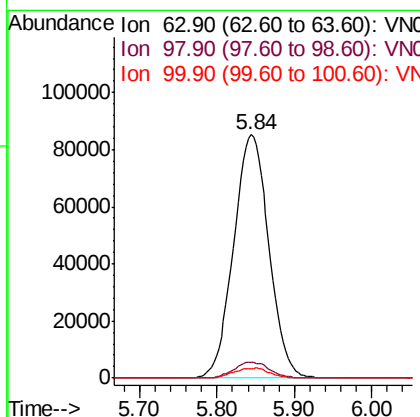
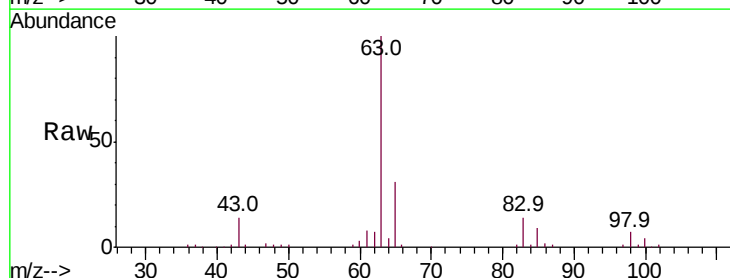
Delta R.T. 0.00 min

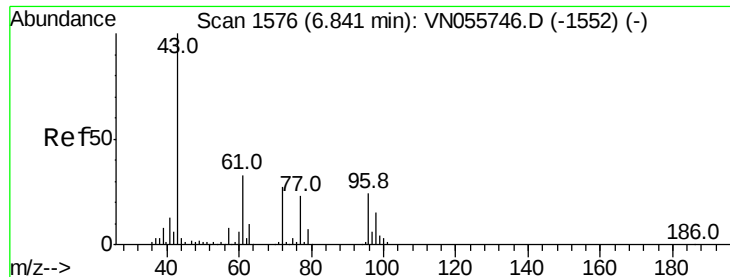
Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion: 63 Resp: 270021

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.1	2.2	6.6





#25

2-Butanone

Concen: 226.160 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 485204

Ion Ratio Lower Upper

43 100

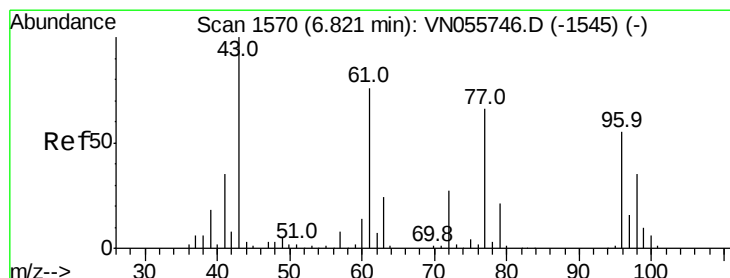
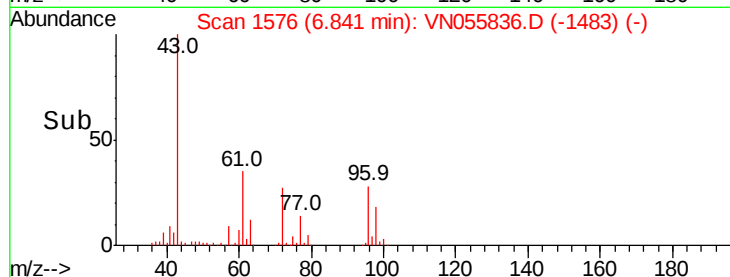
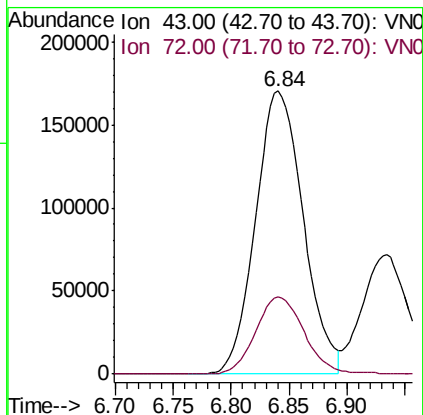
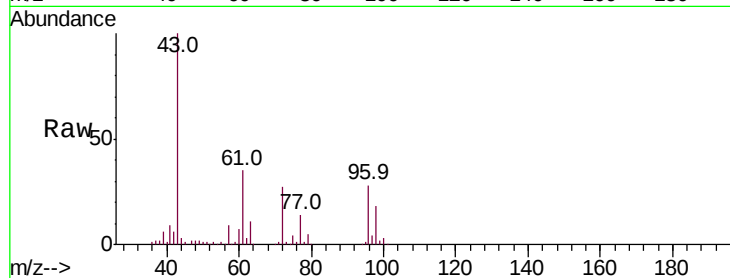
72 27.2 21.9 32.9

Manual Integrations

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5/28/2019 10:37:03 AM



#26

2,2-Dichloropropane

Concen: 24.664 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055836.D

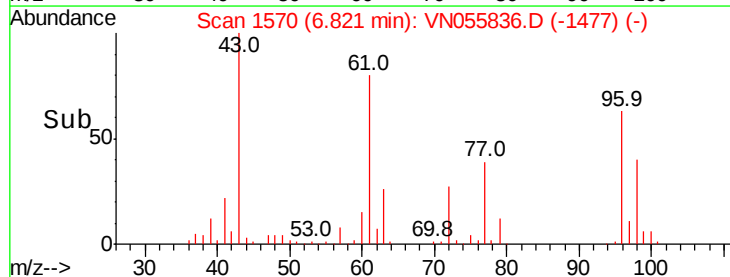
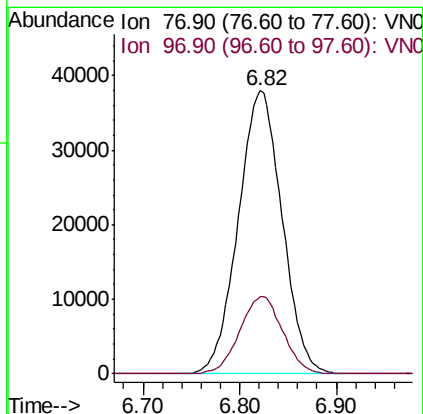
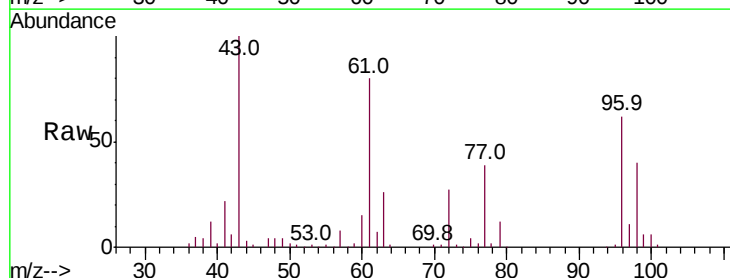
Acq: 25 May 2019 8:49

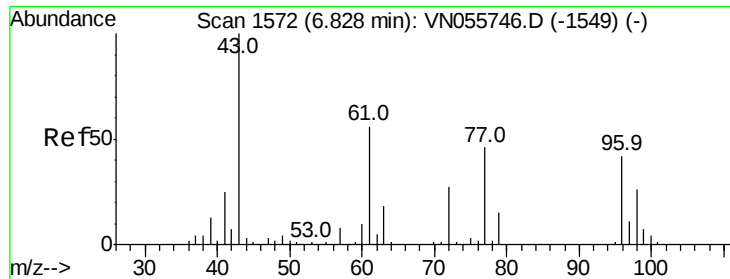
Tgt Ion: 77 Resp: 119258

Ion Ratio Lower Upper

77 100

97 26.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.919 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

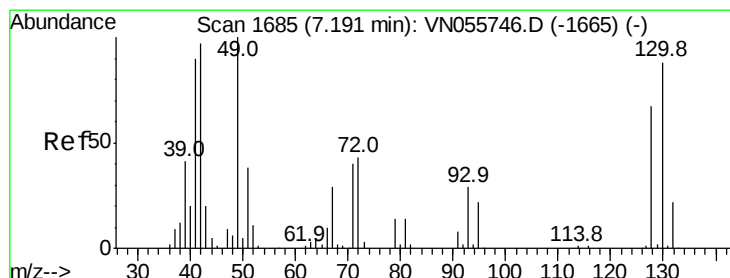
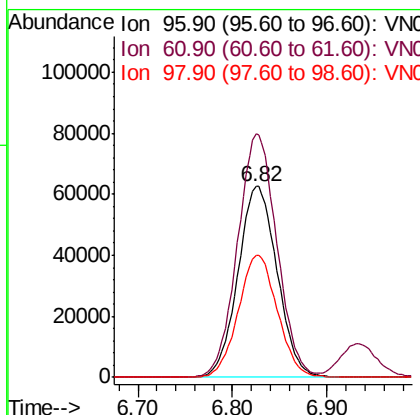
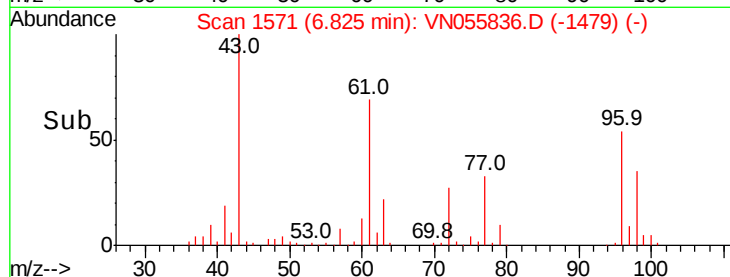
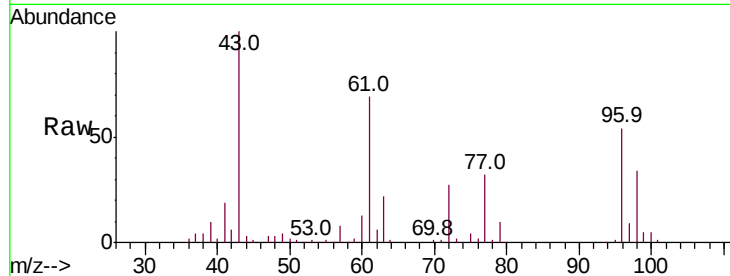
ClientSampleID :

VSTDCCC050EC

Tot Ion:	96	Resp:	180069
Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	275.8
98	63.9	0.0	128.4

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#28

Bromochloromethane

Concen: 50.325 ug/l

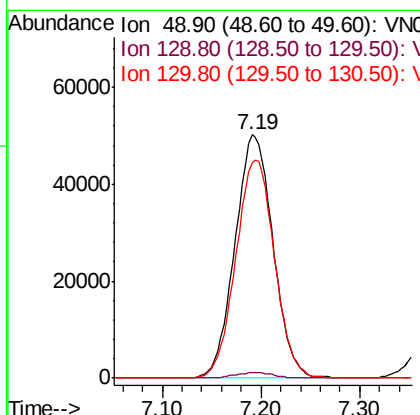
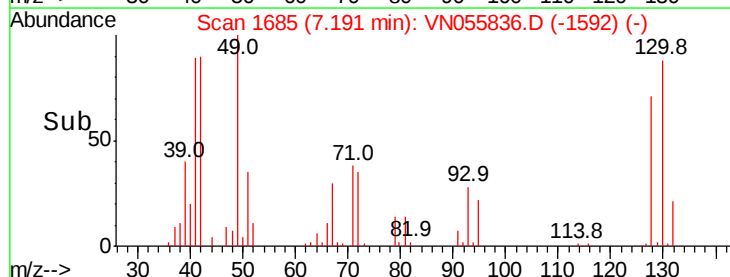
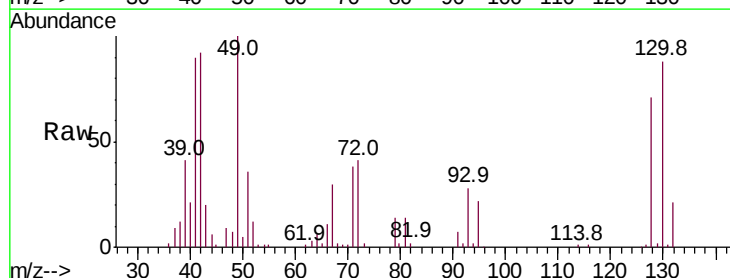
RT: 7.19 min Scan# 1685

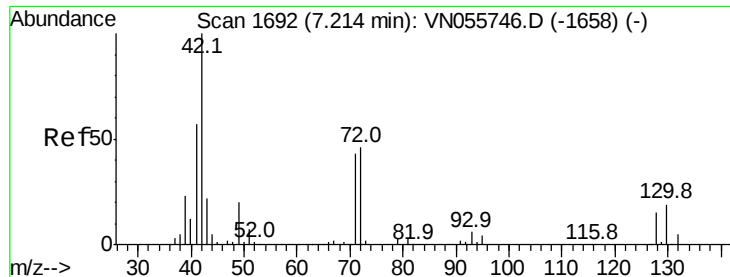
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	49	Resp:	133866
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	91.1	71.2	106.8





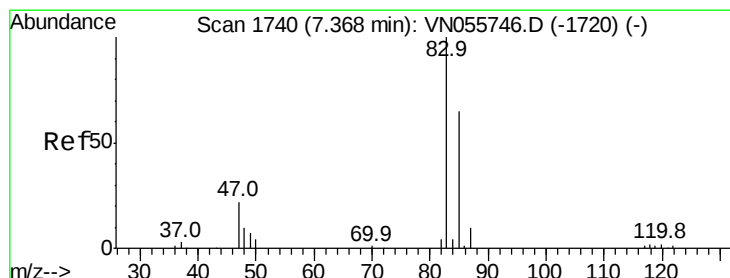
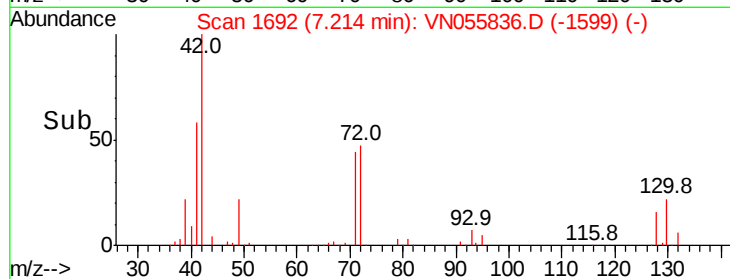
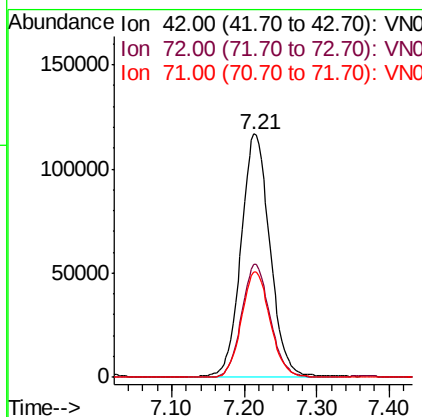
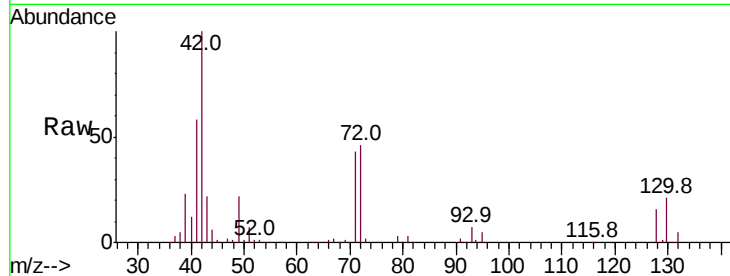
#29
Tetrahydrofuran
Concen: 239.837 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	35.9	53.9
71	42.8	34.0	51.0

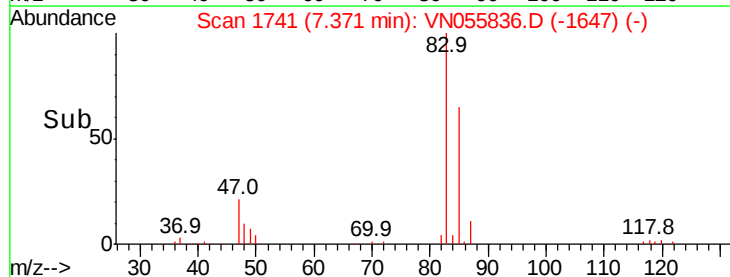
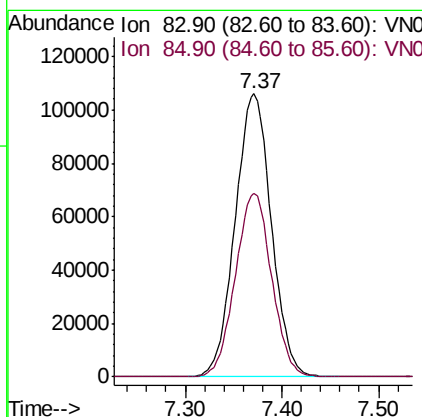
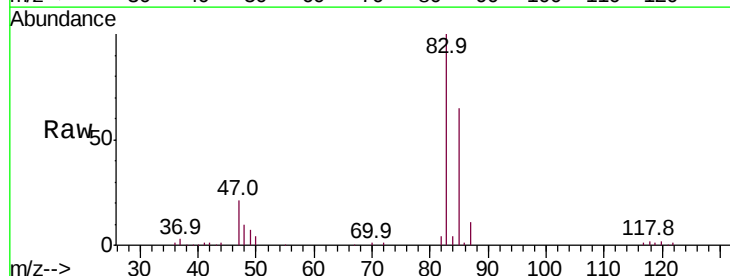
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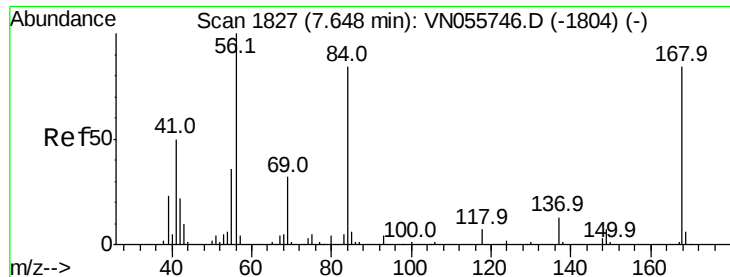
MMDadoda
5/28/2019 10:37:03 AM



#30
Chloroform
Concen: 49.459 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.8





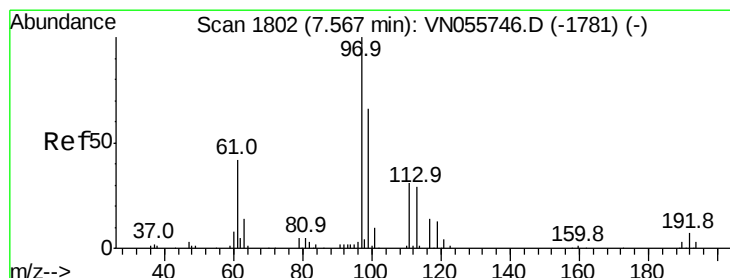
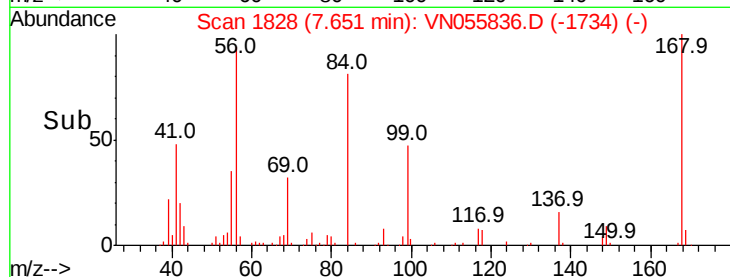
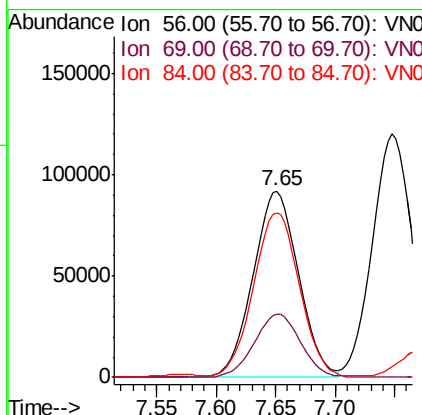
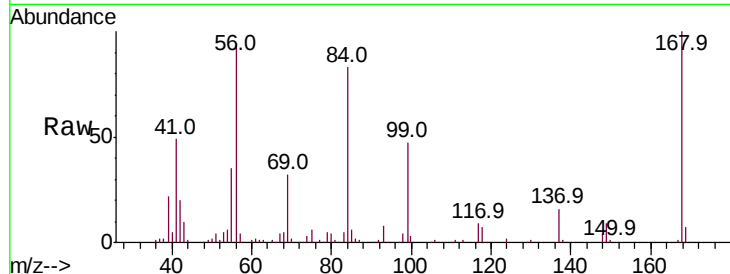
#31
Cyclohexane
Concen: 46.432 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.6	38.4
84	87.0	67.4	101.0

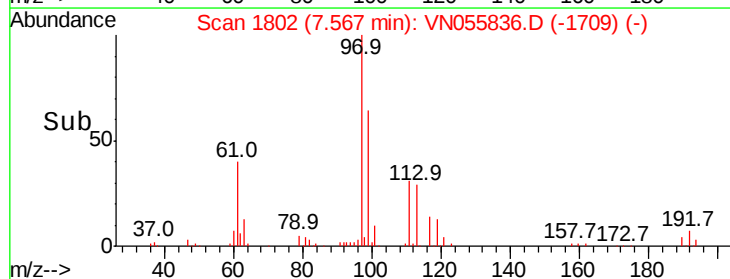
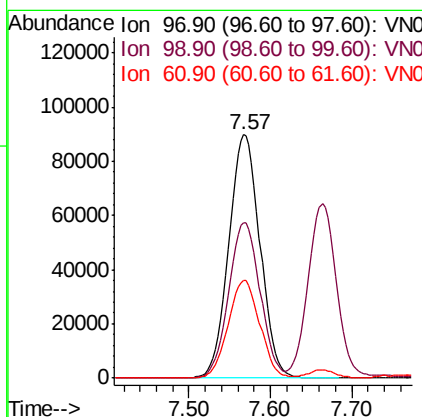
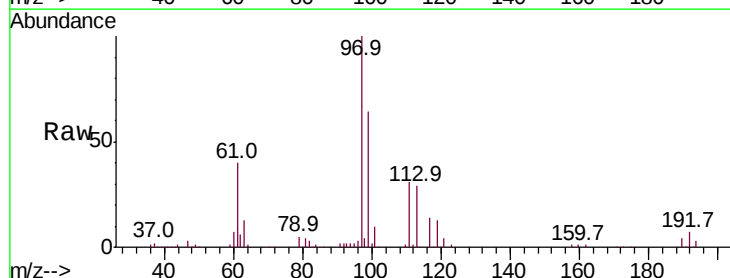
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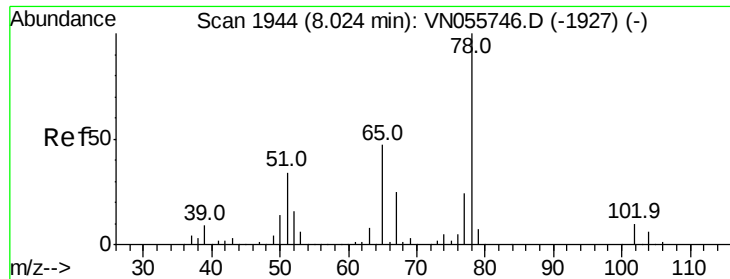
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#32
1,1,1-Trichloroethane
Concen: 48.276 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.0	78.0
61	40.7	32.9	49.3





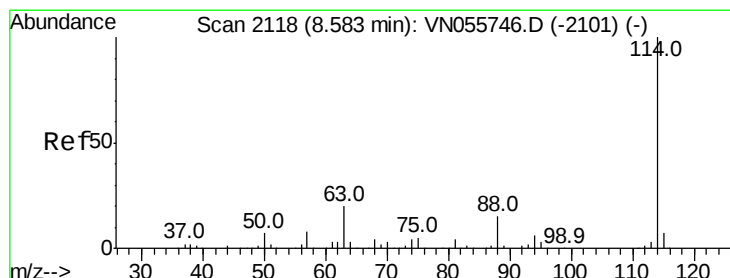
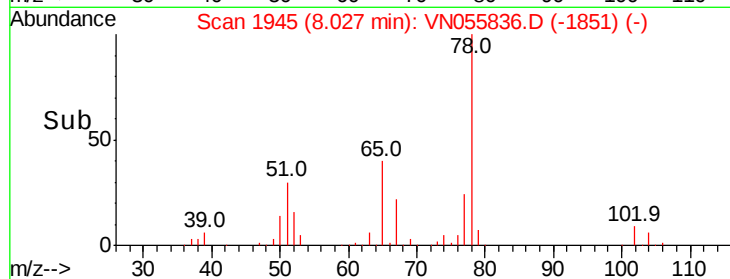
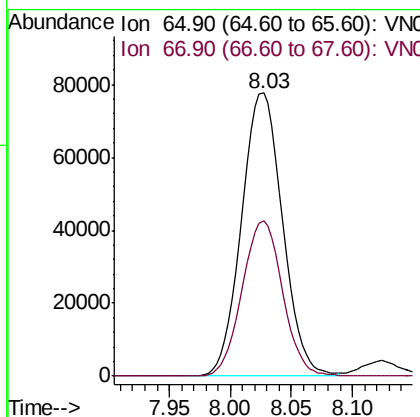
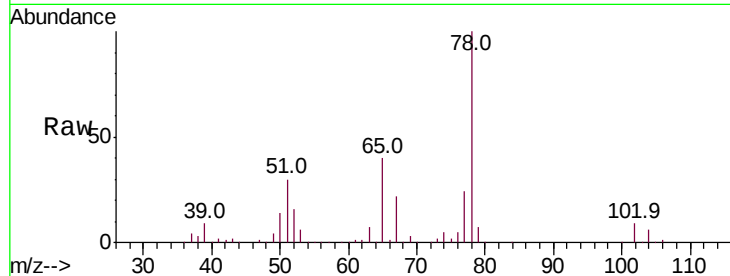
#33
 1,2-Dichloroethane-d4
 Concen: 51.750 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	109.2	

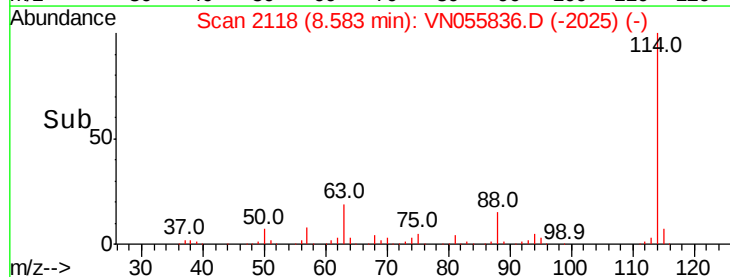
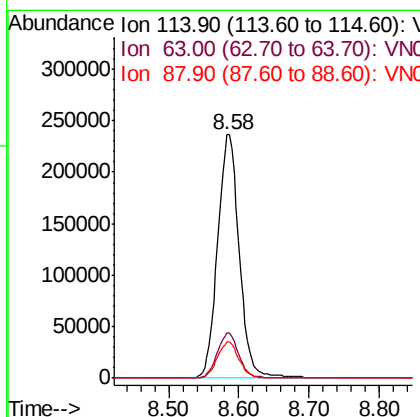
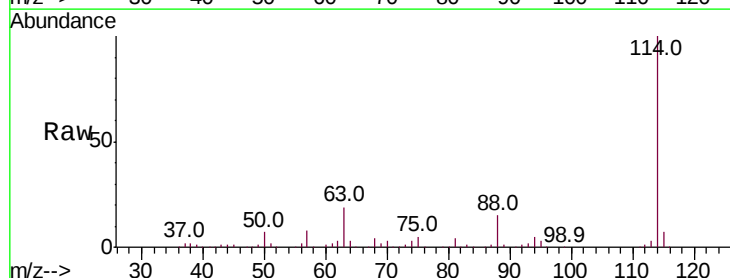
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.6	0.0	39.2	
88	14.8	0.0	31.0	





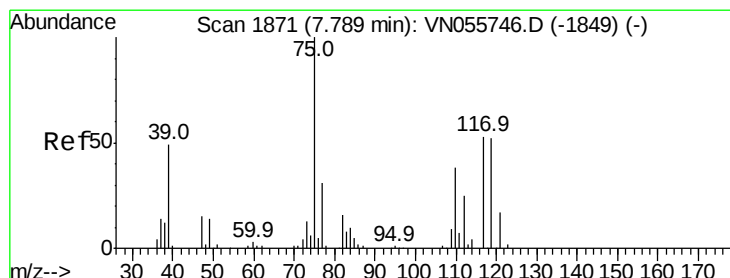
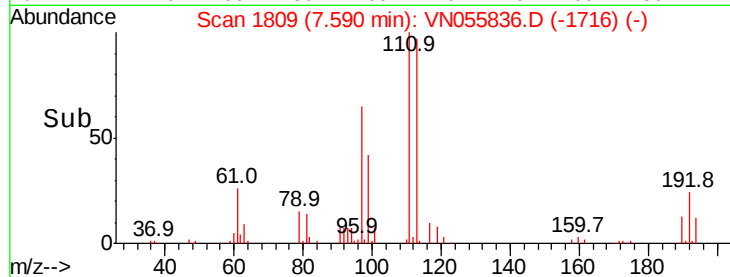
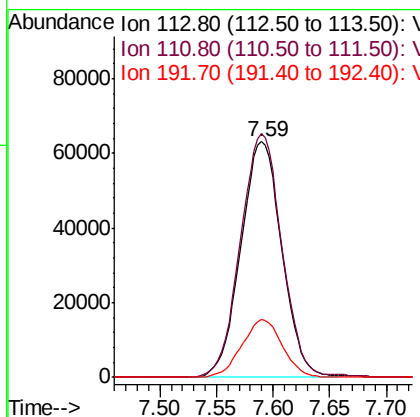
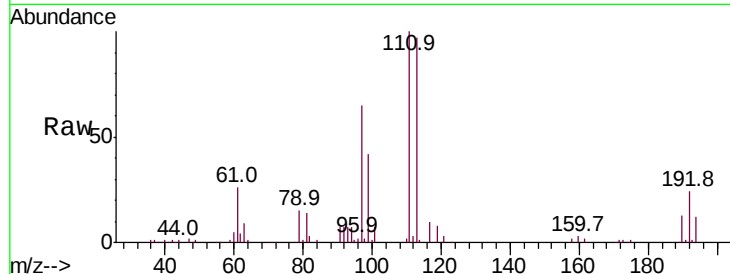
#35
 Dibromofluoromethane
 Concen: 49.878 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.5	81.9	122.9	
192	24.3	19.5	29.3	

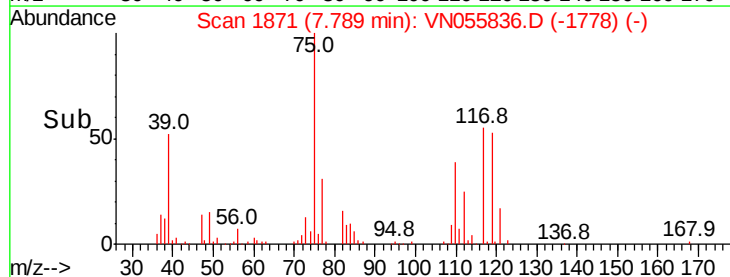
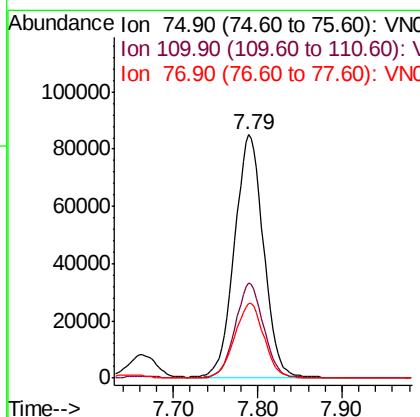
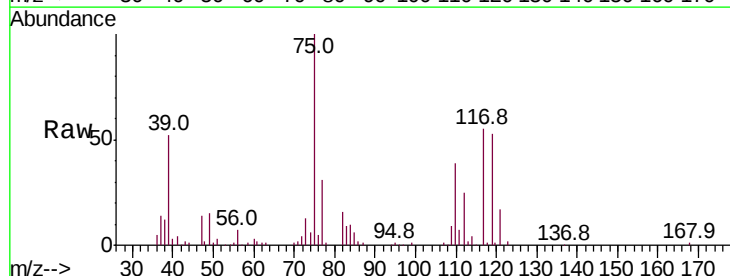
Manual Integrations
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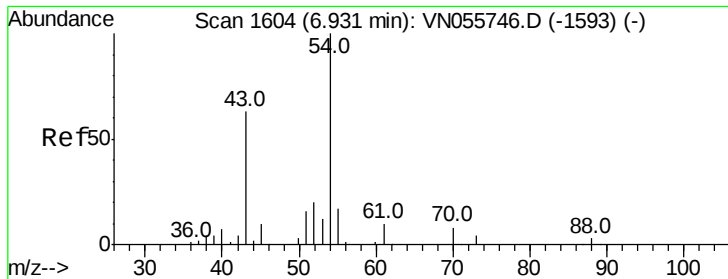
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#36
 1,1-Dichloropropene
 Concen: 46.381 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.2	19.0	57.0	
77	31.3	25.1	37.7	





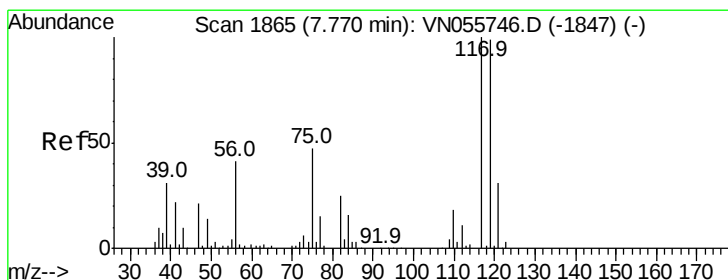
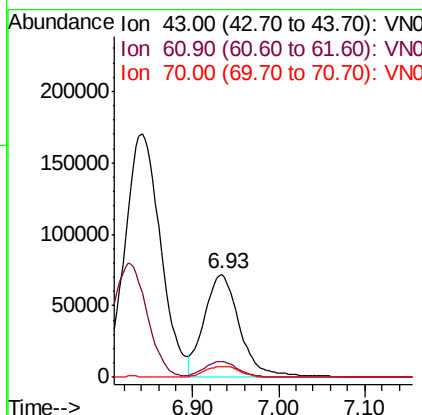
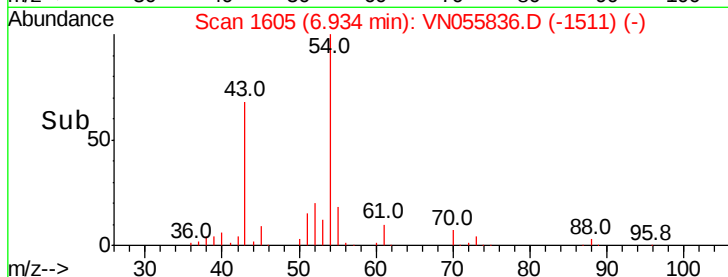
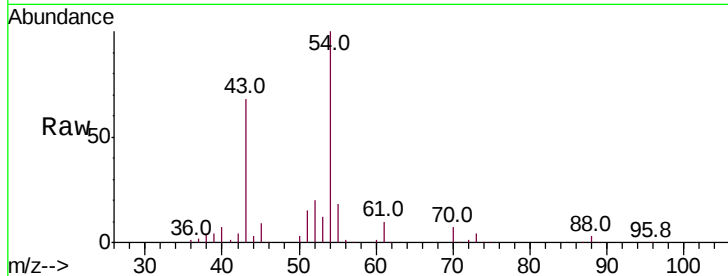
#37
Ethyl Acetate
Concen: 47.767 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	203194
Ion Ratio	Lower	Upper	
43	100		
61	15.4	12.2	18.2
70	10.7	8.9	13.3

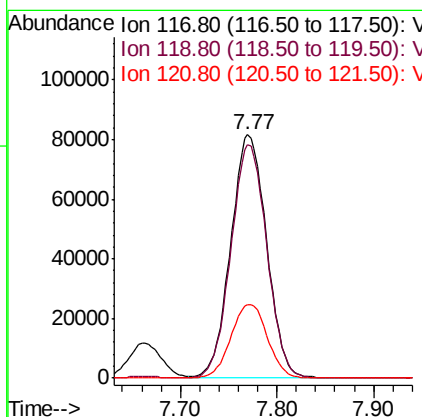
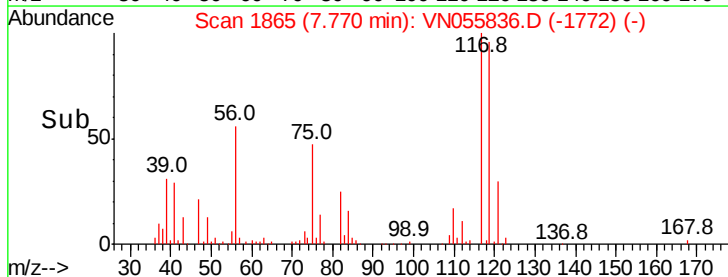
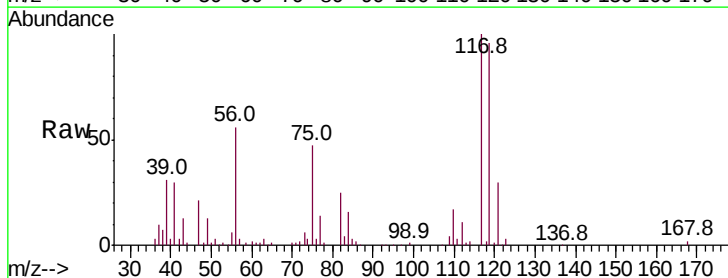
Manual Integrations
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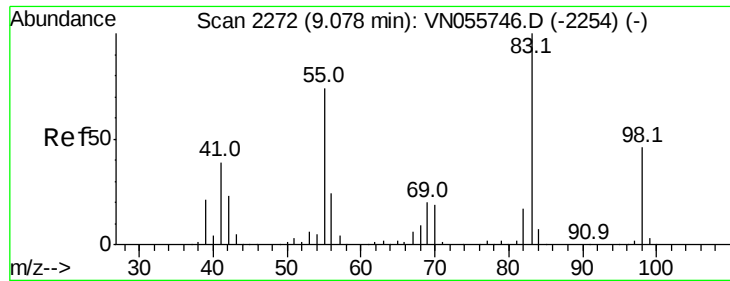
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#38
Carbon Tetrachloride
Concen: 45.904 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	117	Resp	210451
Ion Ratio	Lower	Upper	
117	100		
119	96.0	79.0	118.6
121	30.3	24.7	37.1





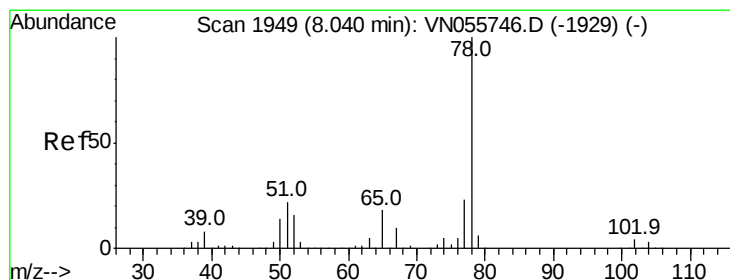
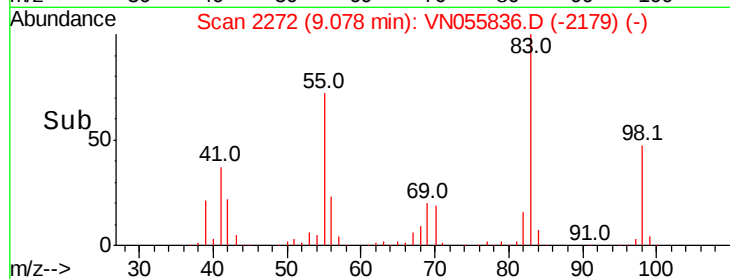
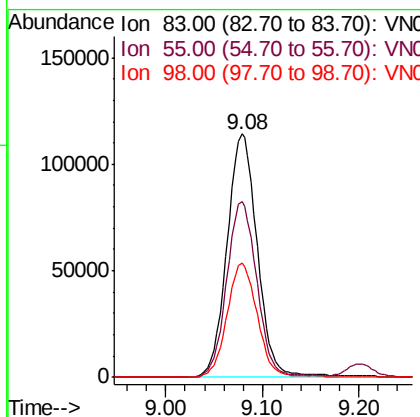
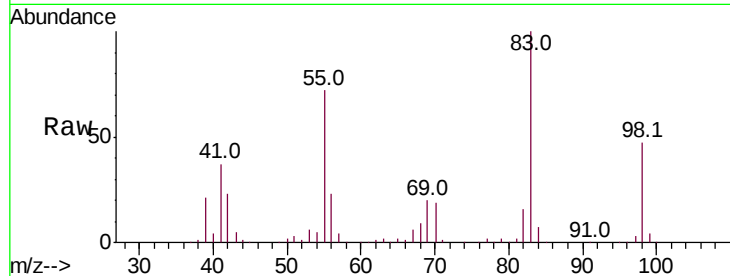
#39
Methvlcvclohexane
Concen: 45.563 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	59.3	88.9
98	46.9	36.6	54.8

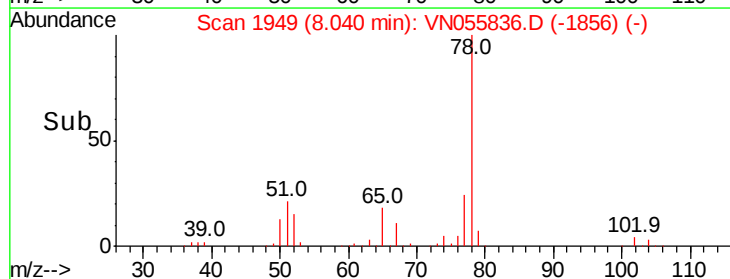
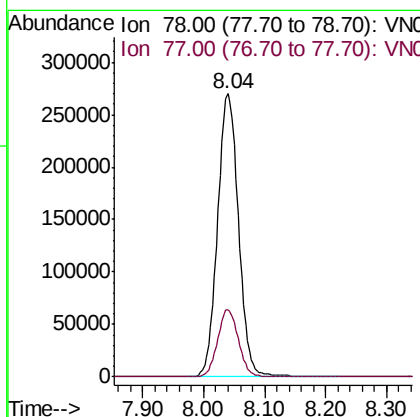
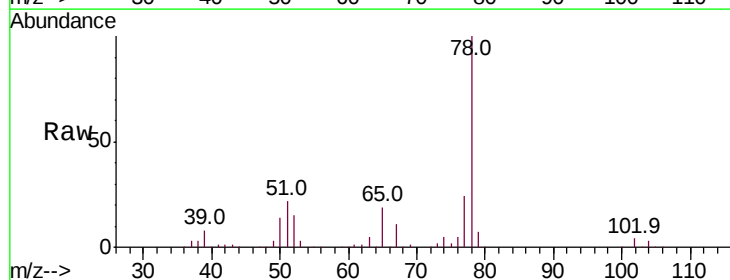
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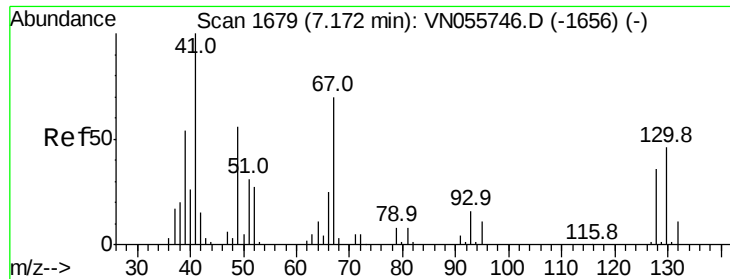
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#40
Benzene
Concen: 48.385 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





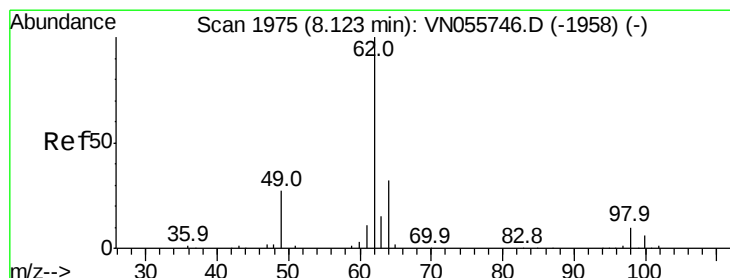
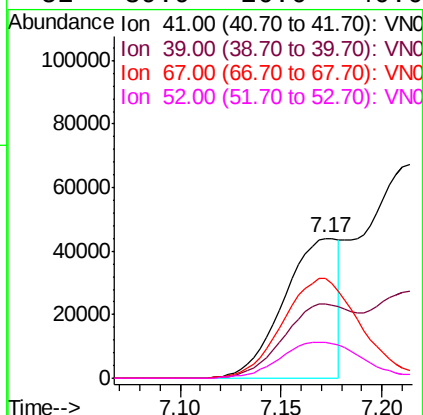
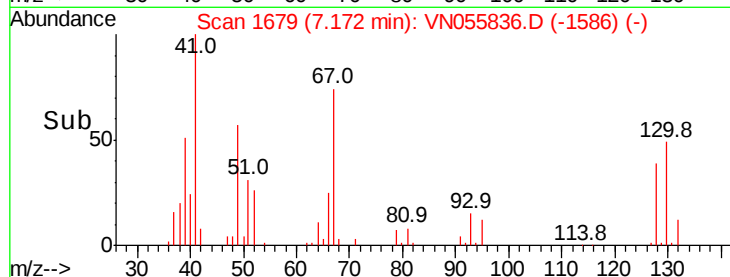
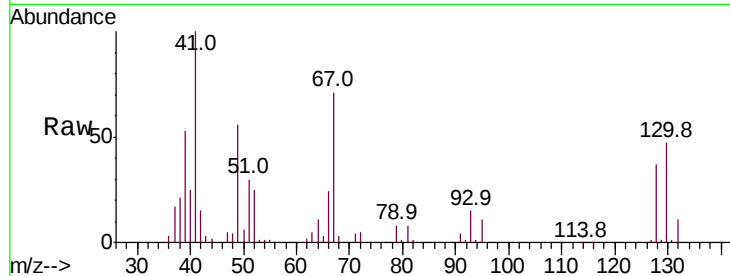
#41
Methacrylonitrile
Concen: 38.378 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	72.7	45.6	68.4#
67	102.6	67.7	101.5#
52	39.9	26.6	40.0

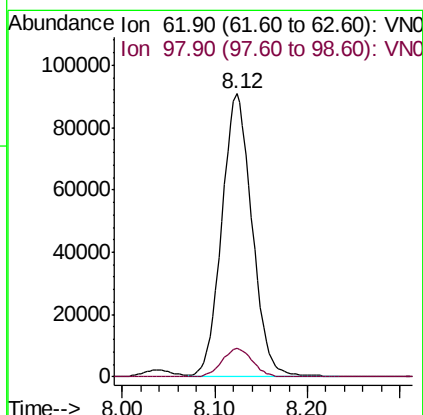
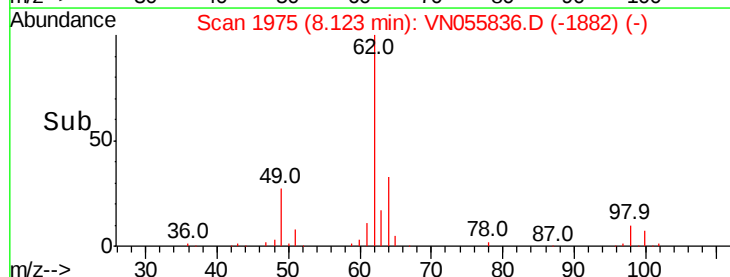
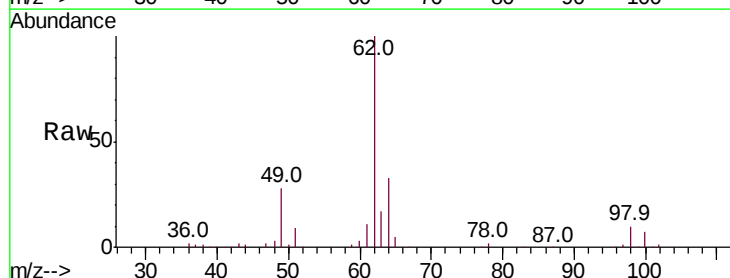
Manual Integrations
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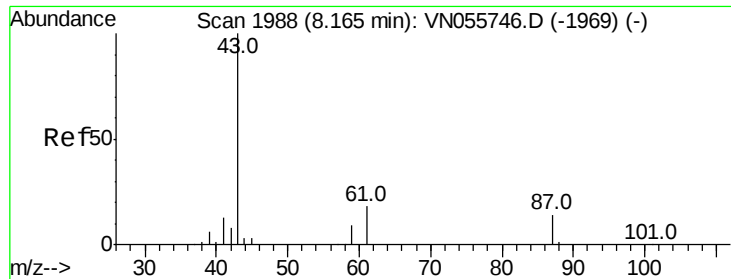
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.318 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

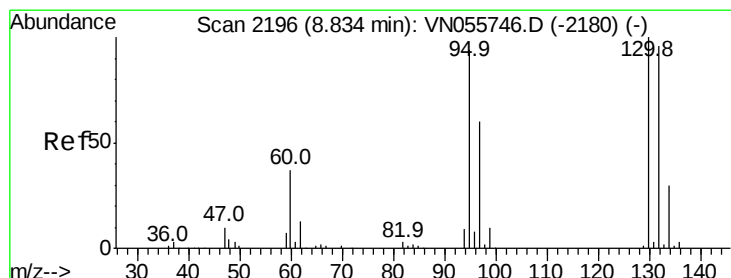
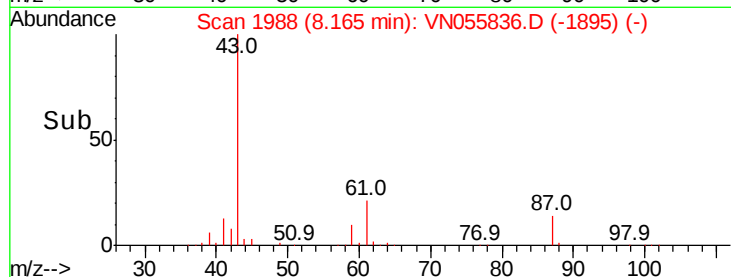
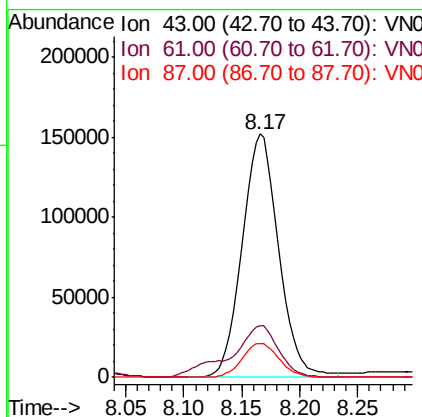
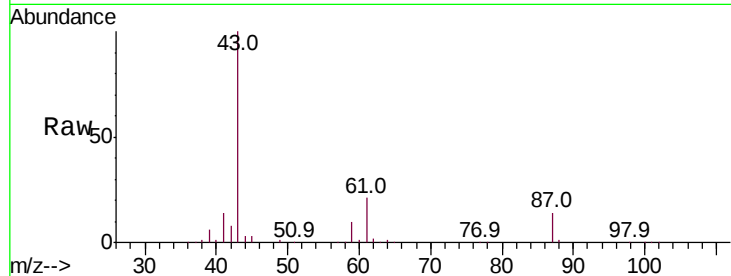
Isopropyl Acetate
 Concen: 46.469 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	22.2	33.4
87	14.3	11.4	17.2

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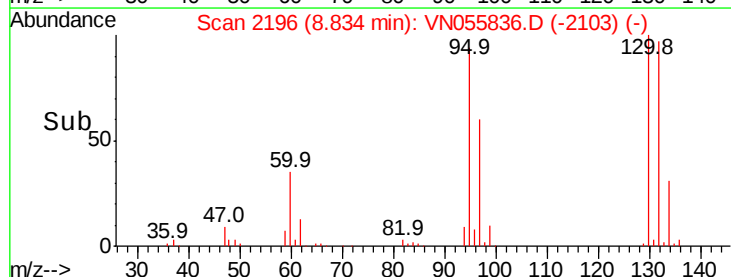
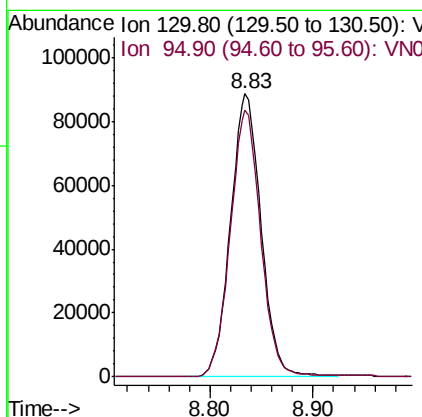
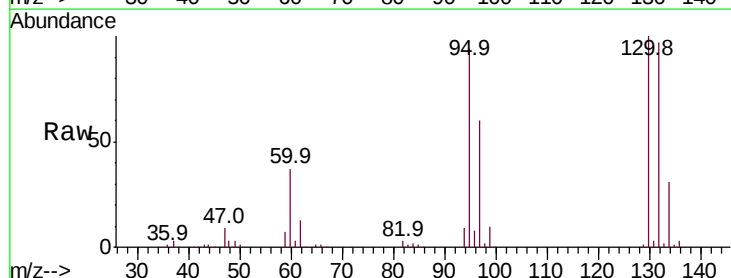
MMDadoda
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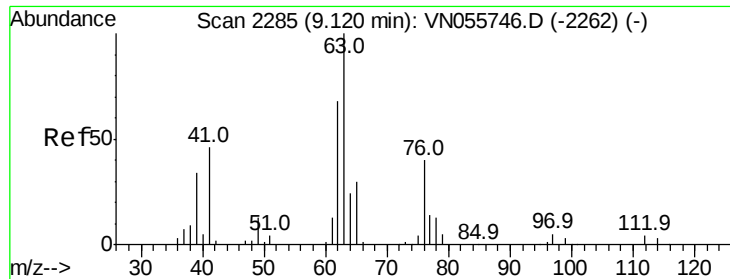


#44

Trichloroethene
 Concen: 49.520 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	188.0





#45

1,2-Dichloropropane

Concen: 48.605 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 167981

Ion Ratio Lower Upper

63 100

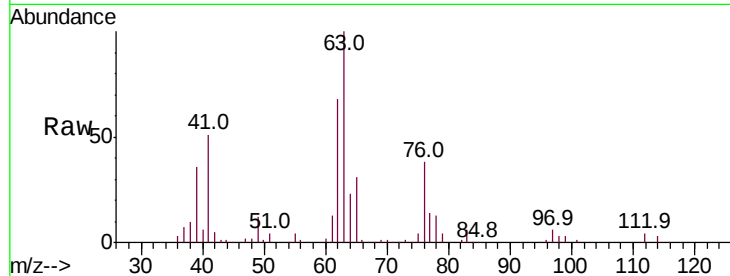
65 30.9 24.6 36.8

Manual Integrations

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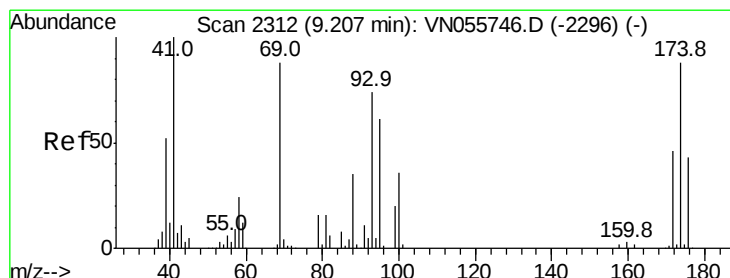
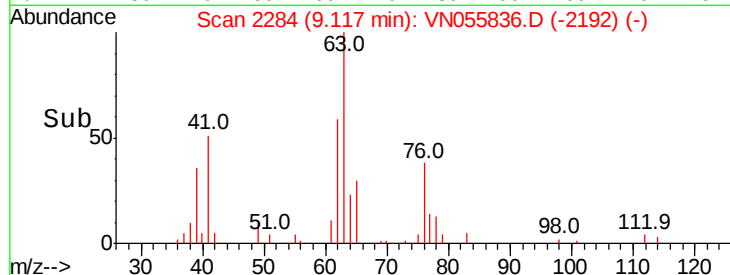
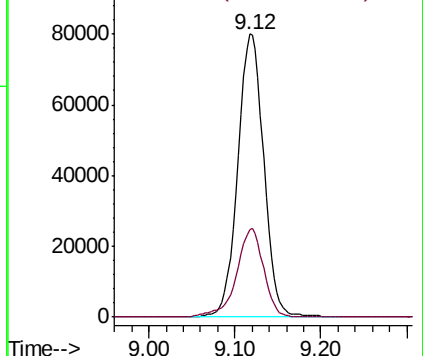
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.196 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

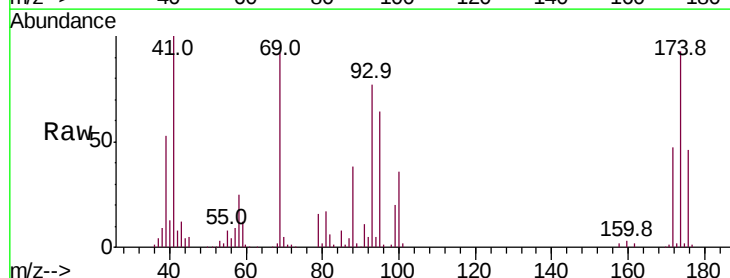
Tgt Ion: 93 Resp: 111503

Ion Ratio Lower Upper

93 100

95 85.0 66.7 100.1

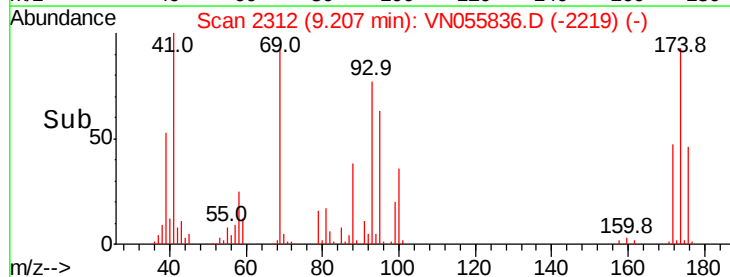
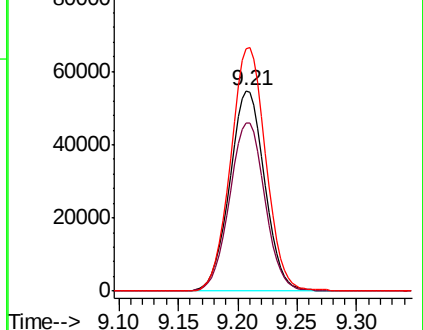
174 122.4 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.956 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

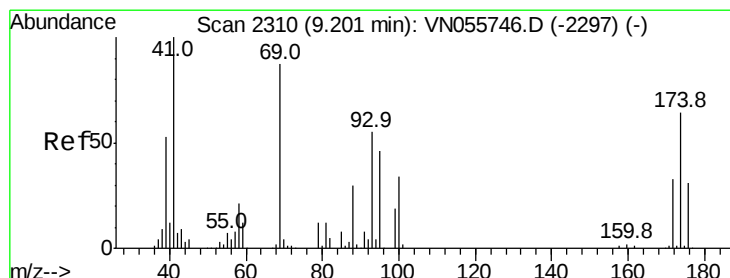
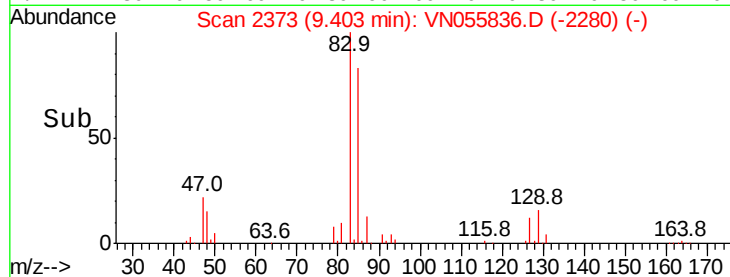
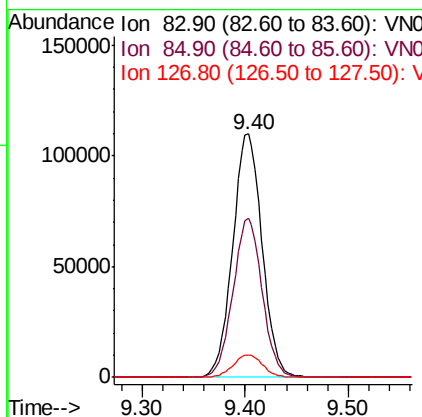
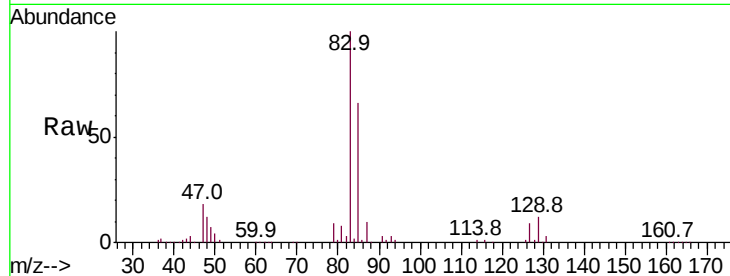
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218231
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.2	78.2
127	9.3	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.942 ug/l

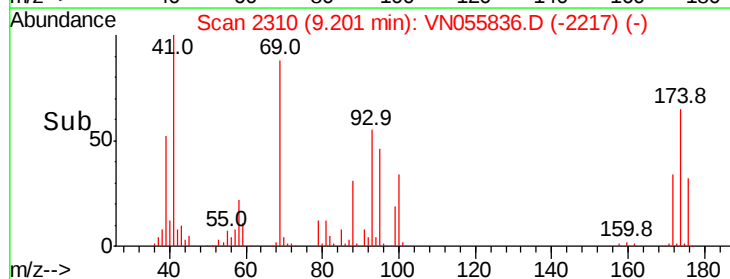
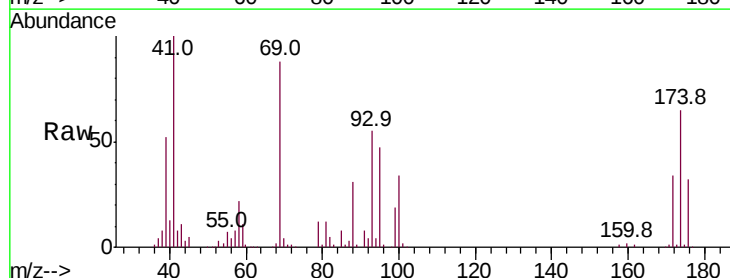
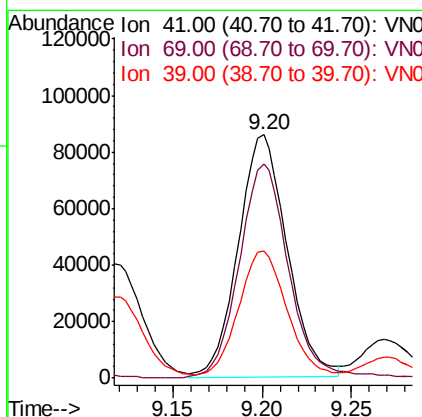
RT: 9.20 min Scan# 2310

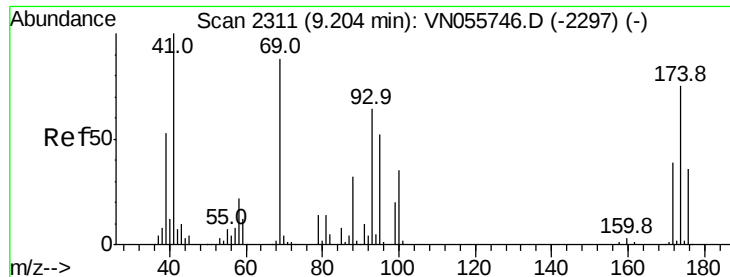
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	41	Resp:	164510
Ion Ratio	Lower	Upper	
41	100		
69	89.4	71.0	106.6
39	52.6	44.2	66.2





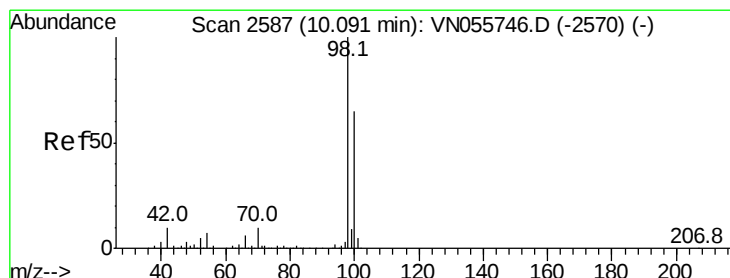
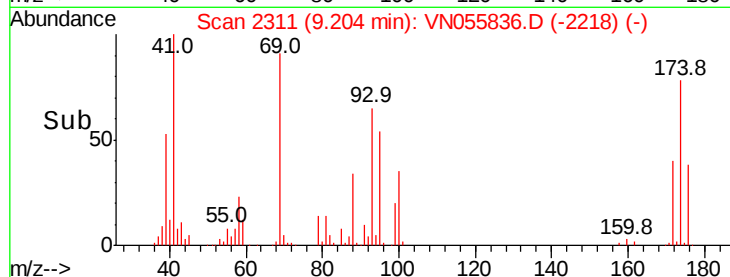
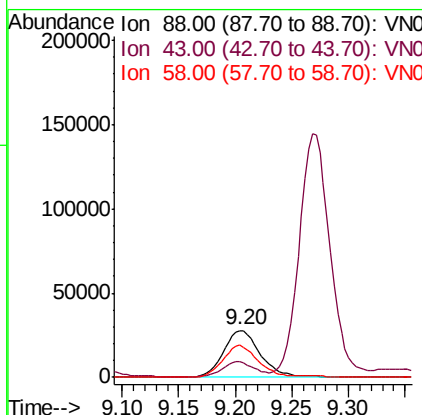
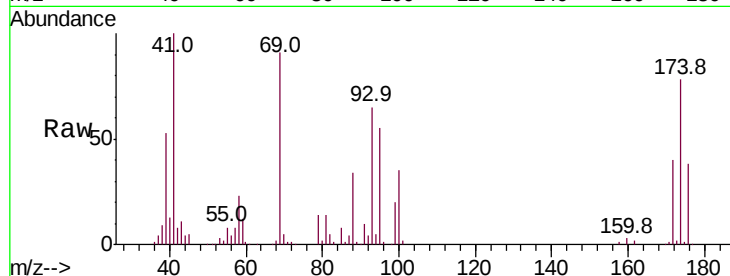
#49
 1,4-Dioxane
 Concen: 929.497 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	20.5	30.7
58	65.2	55.8	83.6

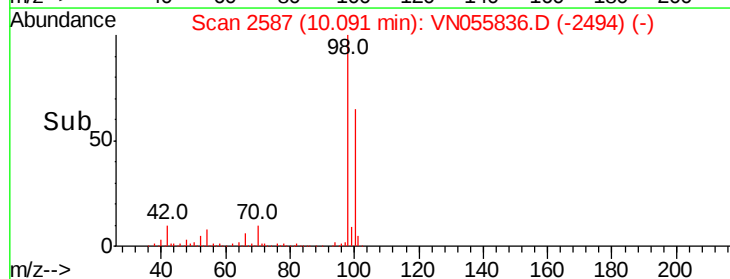
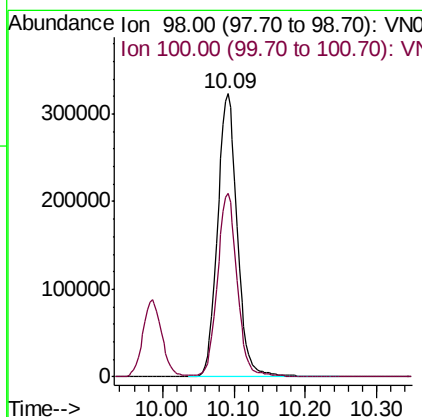
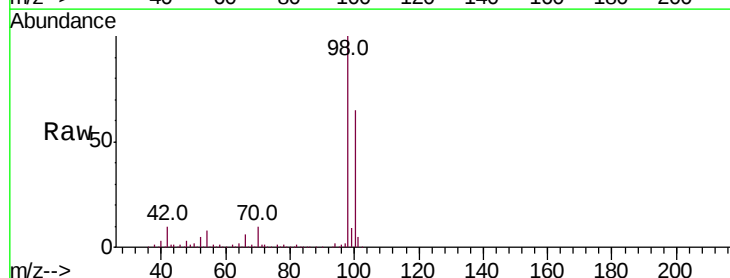
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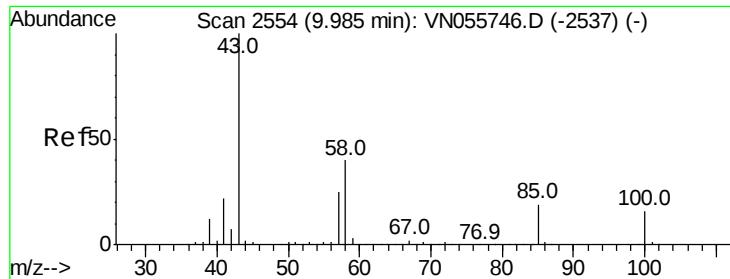
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#50
 Toluene-d8
 Concen: 50.550 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 240.936 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1017035

Ion Ratio Lower Upper

43 100

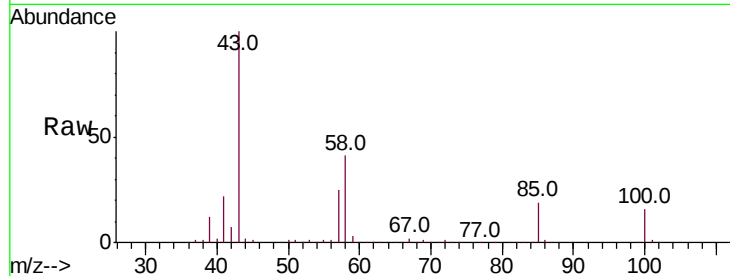
58 40.2 32.1 48.1

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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

600000

500000

400000

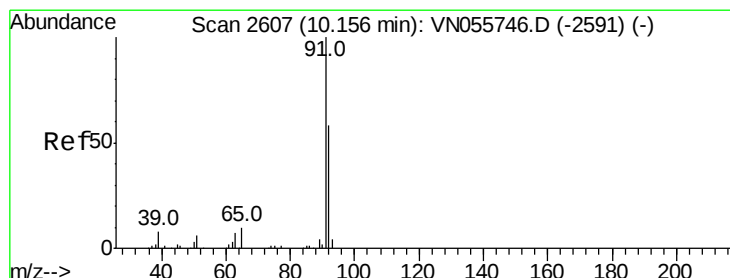
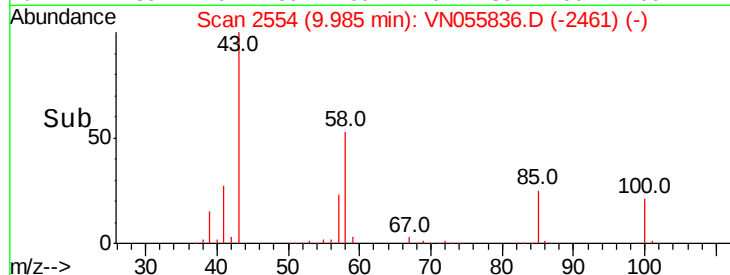
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.134 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055836.D

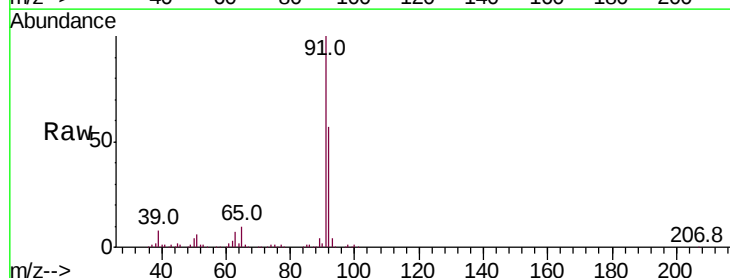
Acq: 25 May 2019 8:49

Tgt Ion: 92 Resp: 409908

Ion Ratio Lower Upper

92 100

91 173.6 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

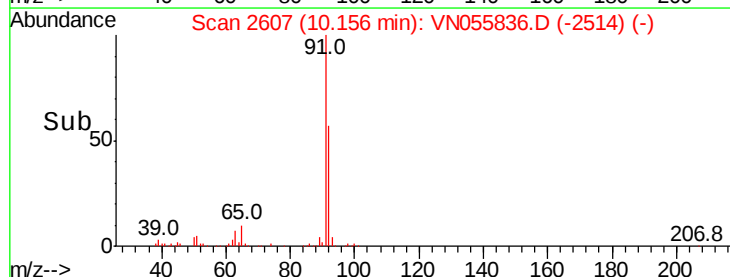
300000

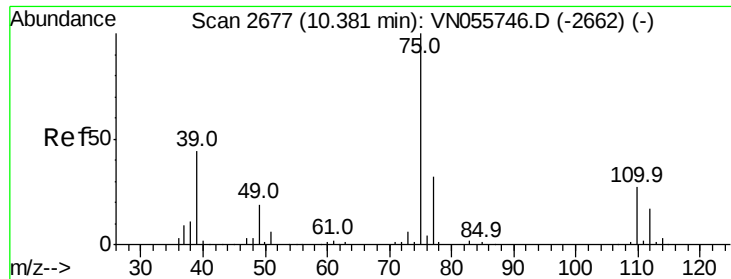
200000

100000

0

Time-->





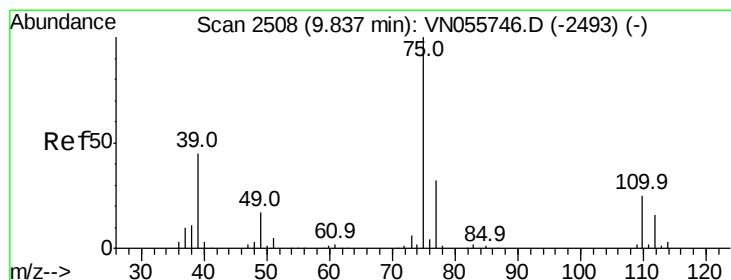
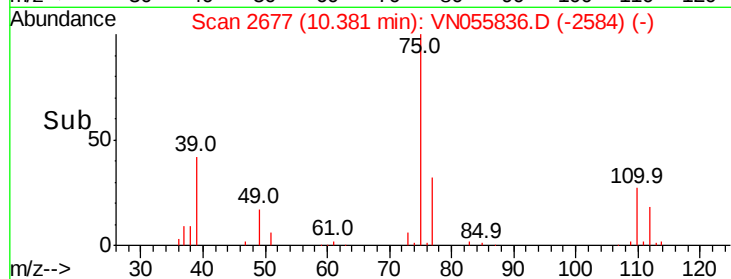
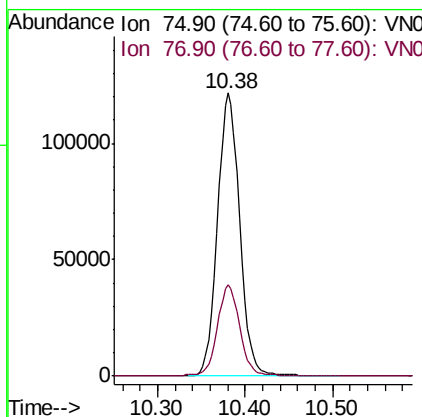
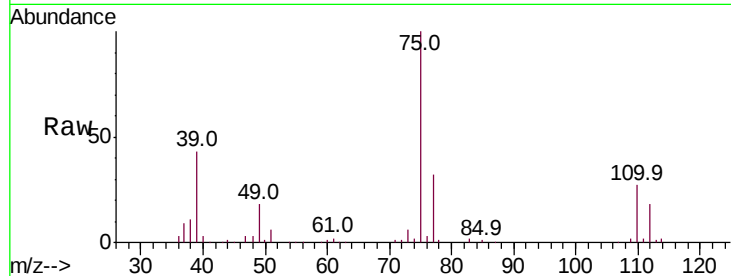
#53
 t-1,3-Dichloropropene
 Concen: 43.193 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 214277
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.6

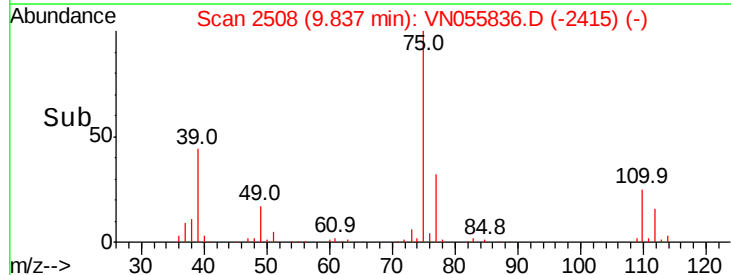
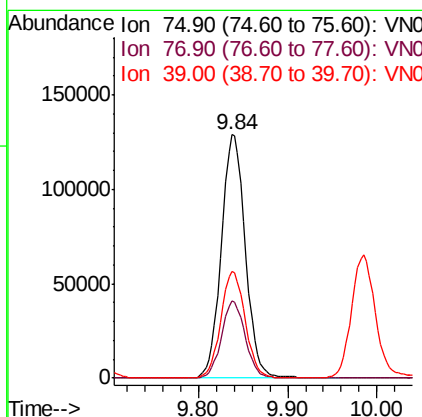
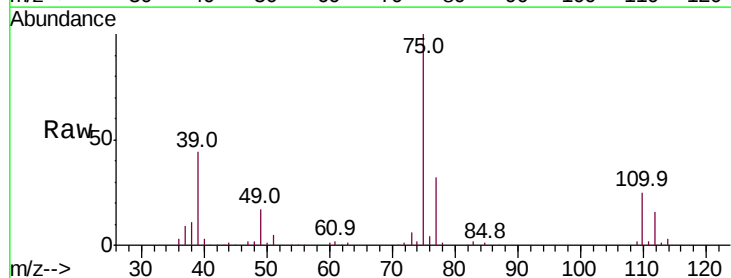
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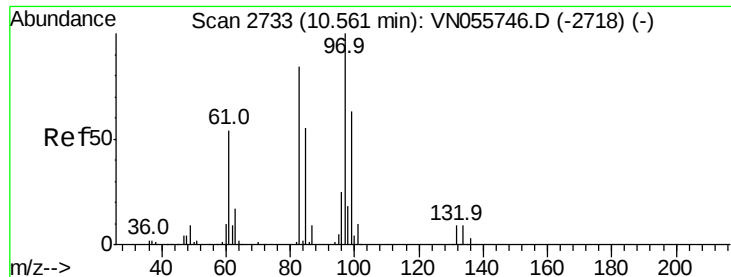
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 5/28/2019 10:37:03 AM



#54
 cis-1,3-Dichloropropene
 Concen: 43.703 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion: 75 Resp: 240177
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.0
 39 44.0 36.3 54.5





#55

1,1,2-Trichloroethane

Concen: 49.233 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 164542

Ion Ratio Lower Upper

97 100

83 84.1 67.0 100.6

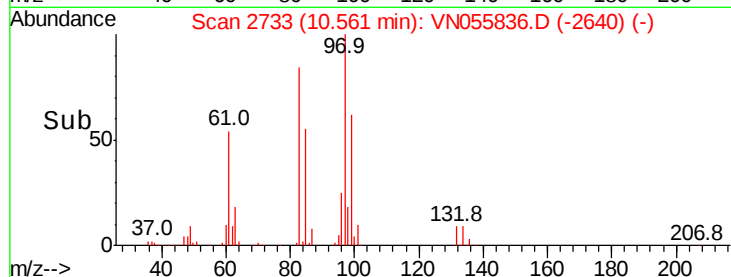
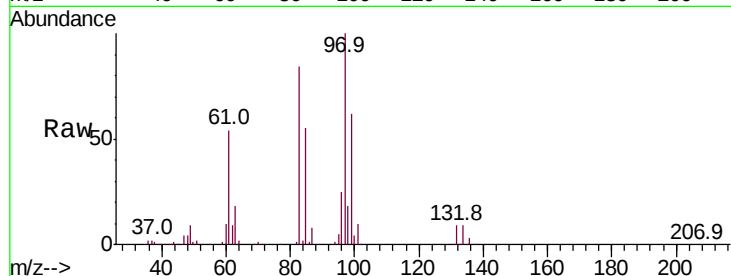
85 54.7 44.0 66.0

99 62.2 50.6 75.8

Manual Integrations
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5/28/2019 10:37:03 AM

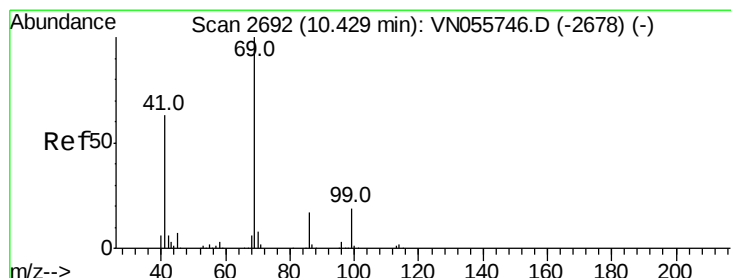
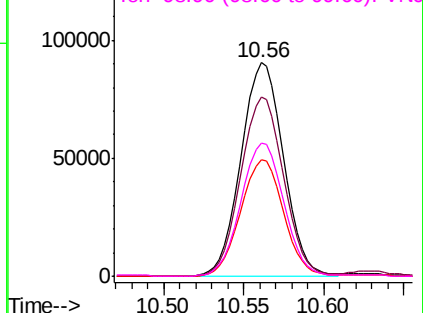


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 49.449 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

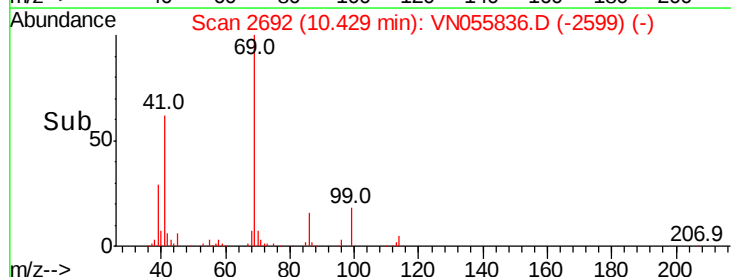
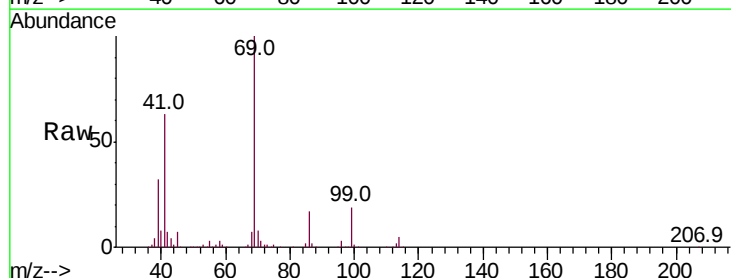
Tgt Ion: 69 Resp: 255413

Ion Ratio Lower Upper

69 100

41 62.5 49.7 74.5

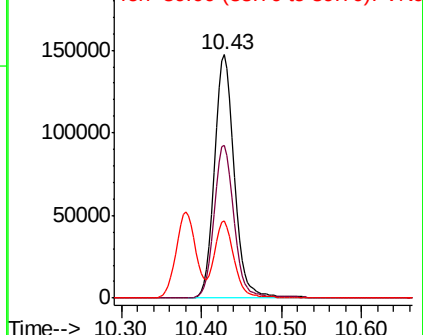
39 30.7 24.7 37.1

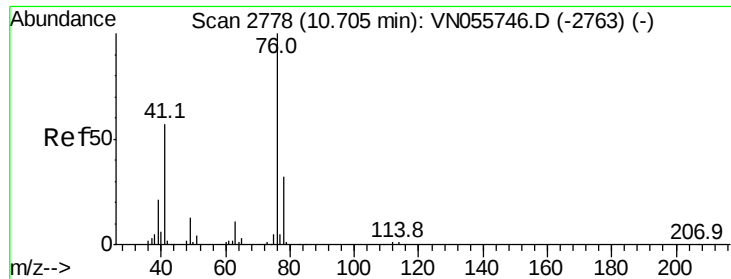


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.219 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 267383

Ion Ratio Lower Upper

76 100

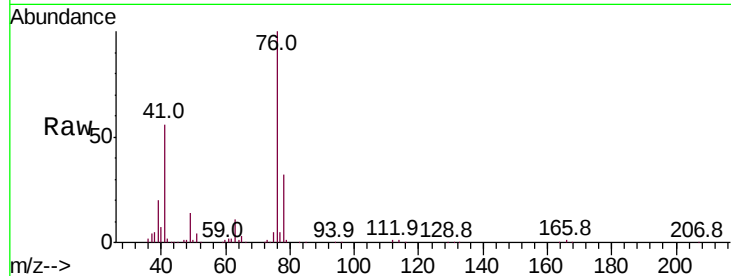
78 32.4 25.8 38.6

Manual Integrations

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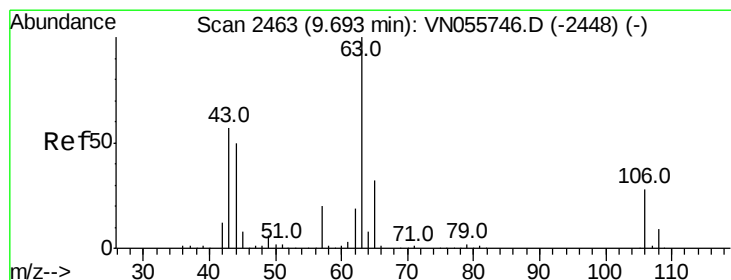
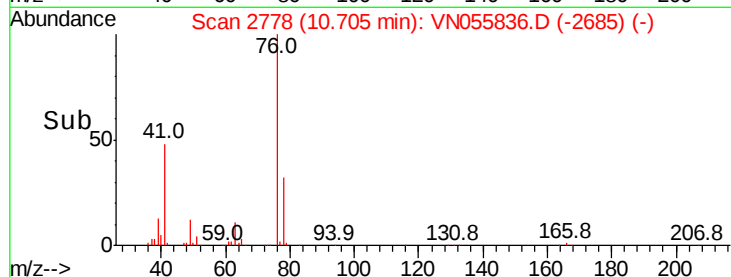
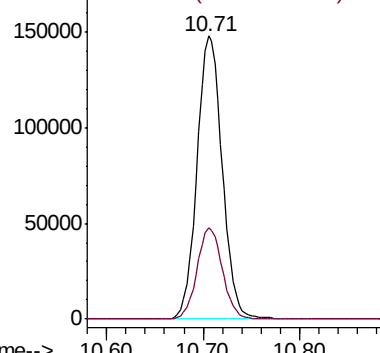
MMDadoda

5/28/2019 10:37:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 231.529 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055836.D

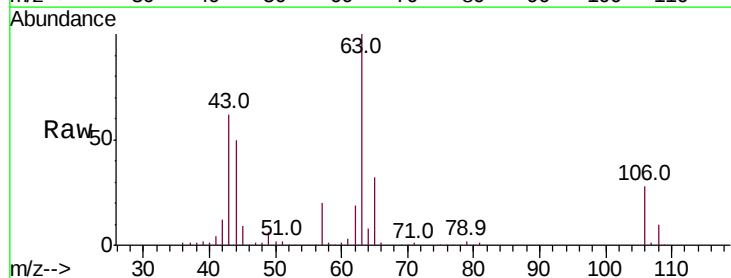
Acq: 25 May 2019 8:49

Tgt Ion: 63 Resp: 457020

Ion Ratio Lower Upper

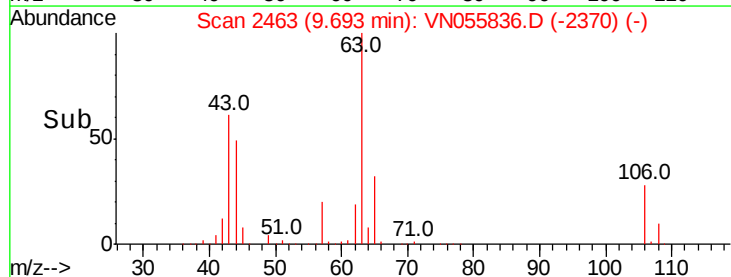
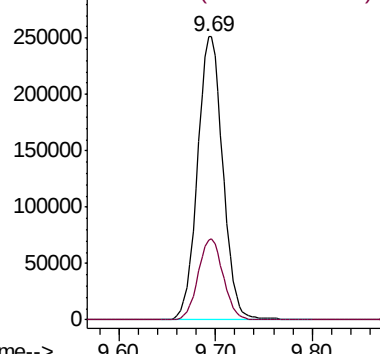
63 100

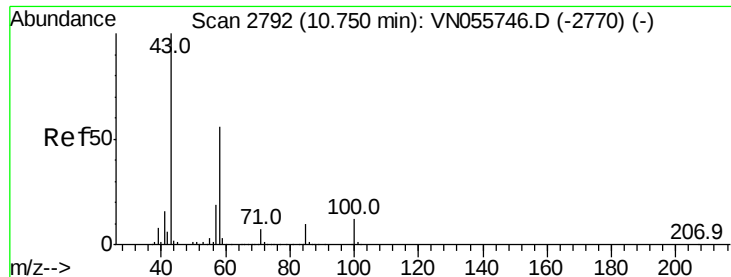
106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





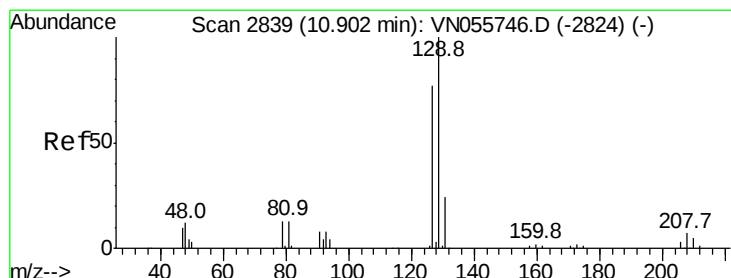
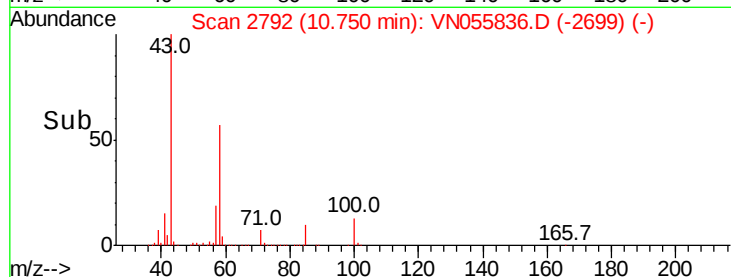
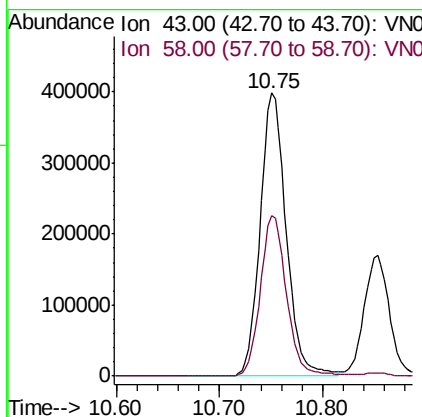
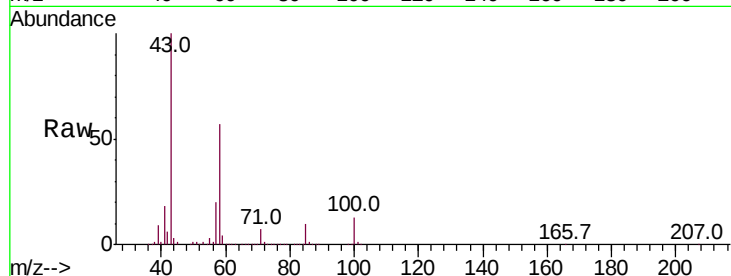
#59
2-Hexanone
Concen: 231.769 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 694041
Ion Ratio Lower Upper
43 100
58 57.2 28.2 84.7

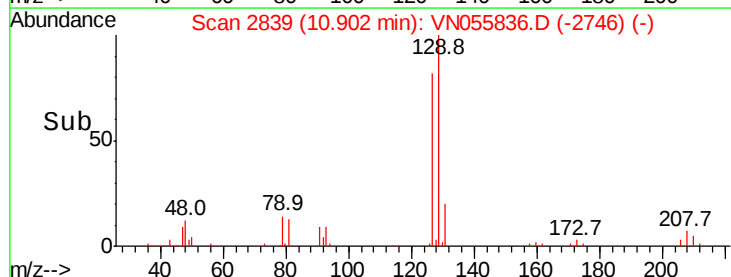
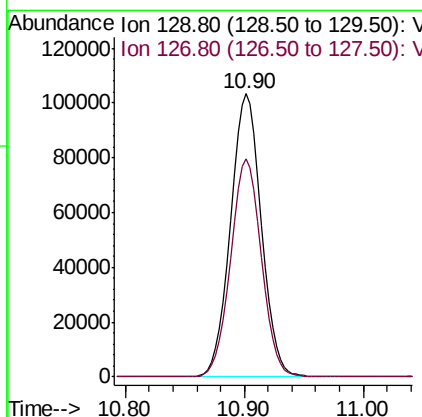
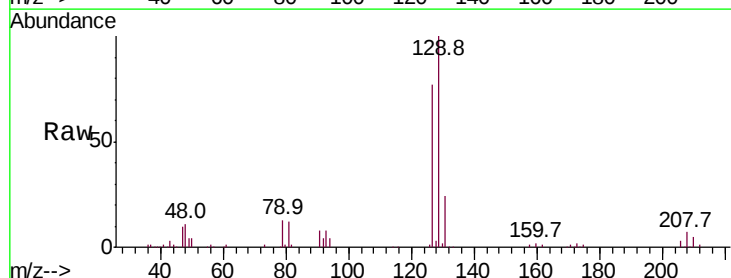
Manual Integrations
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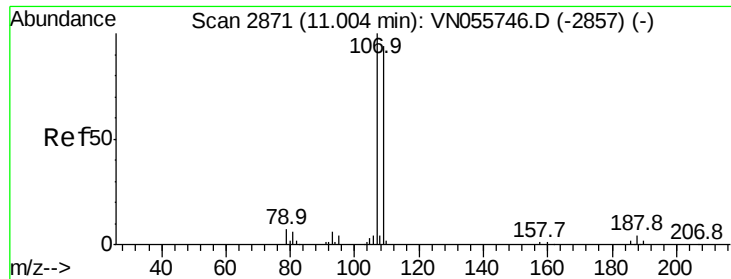
MMDadoda
5/28/2019 10:37:03 AM



#60
Dibromochloromethane
Concen: 47.565 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion: 129 Resp: 185191
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





#61

1,2-Dibromoethane

Concen: 49.239 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 170691

Ion Ratio Lower Upper

107 100

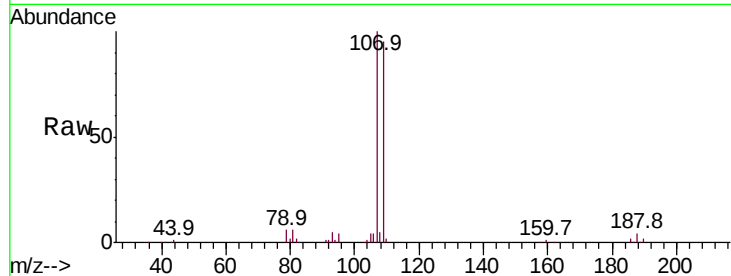
109 94.8 74.8 112.2

Manual Integrations

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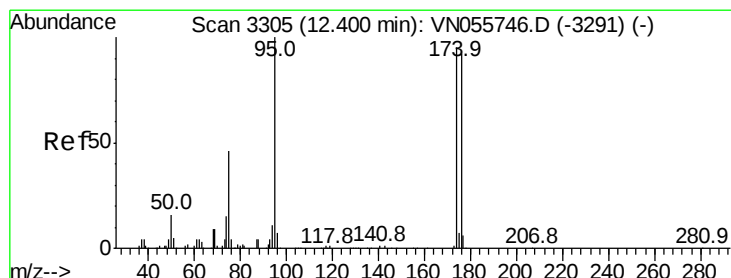
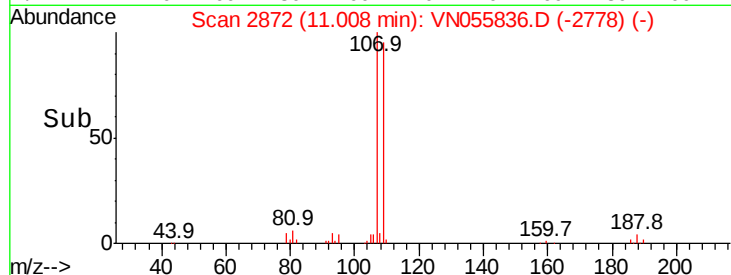
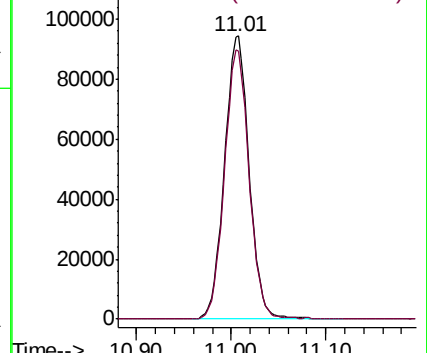
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.008 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

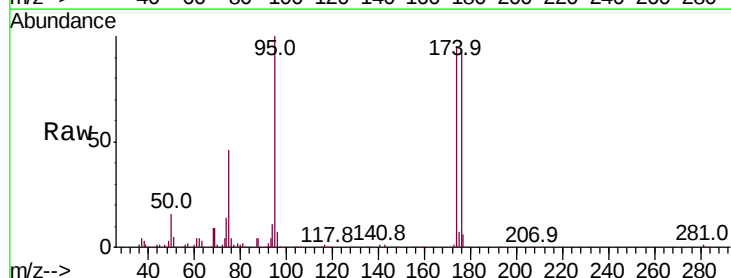
Tgt Ion: 95 Resp: 214227

Ion Ratio Lower Upper

95 100

174 96.0 0.0 191.0

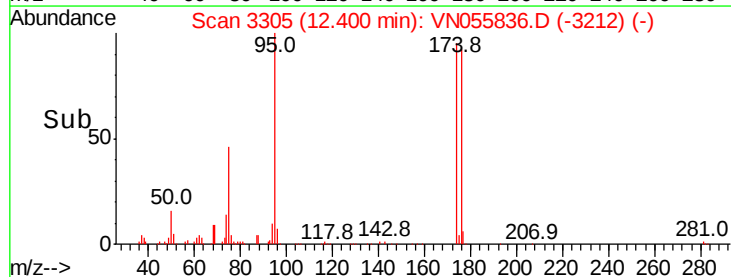
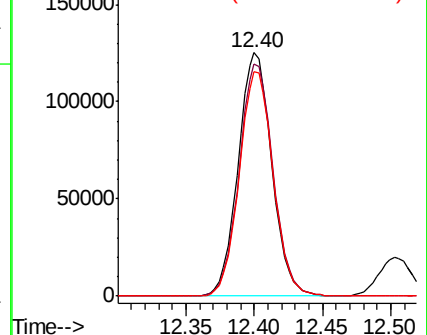
176 92.8 0.0 185.2

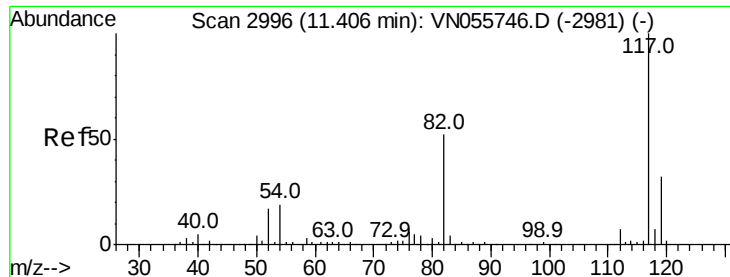


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





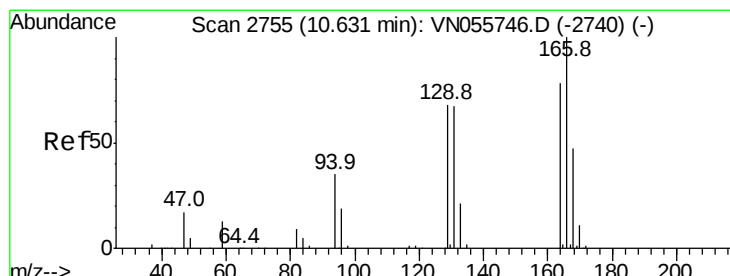
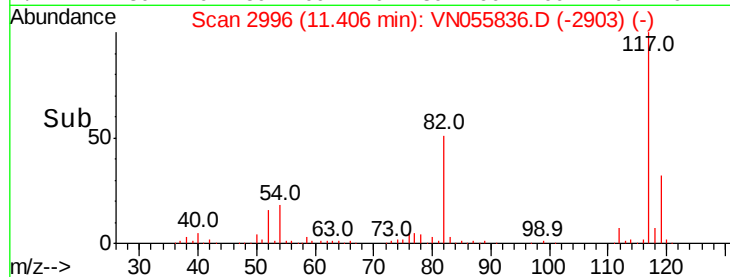
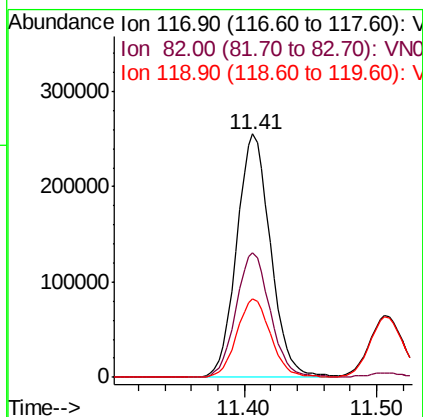
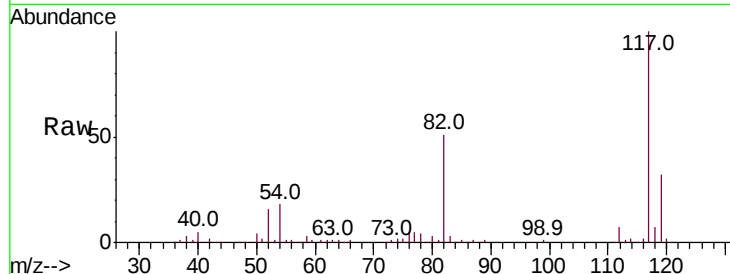
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.1	41.8	62.8
119	32.5	25.4	38.0

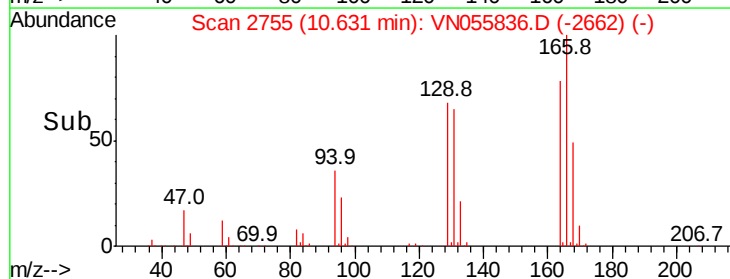
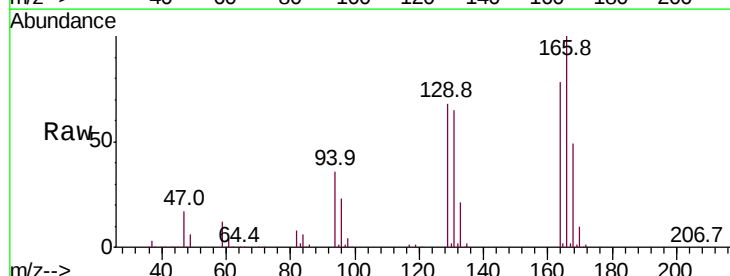
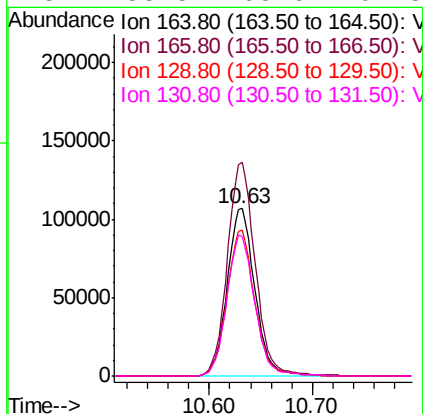
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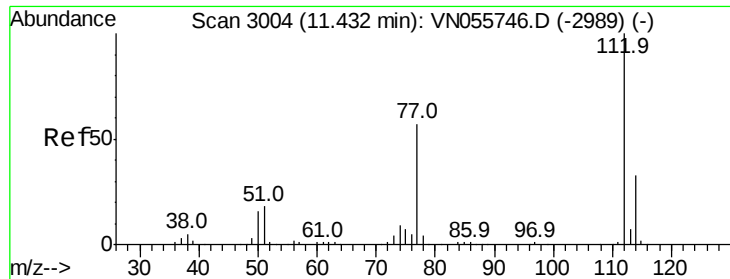
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#64
Tetrachloroethene
Concen: 52.301 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	103.0	154.6
129	87.3	70.6	105.8
131	83.5	68.6	102.8





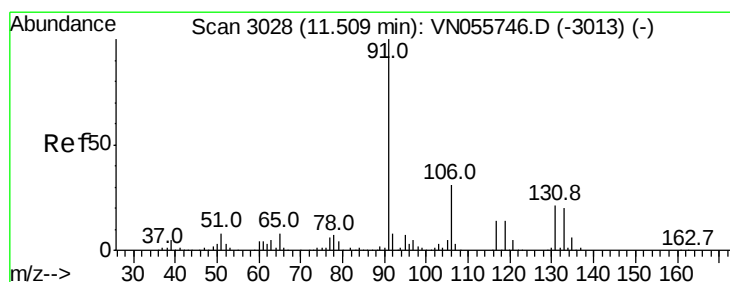
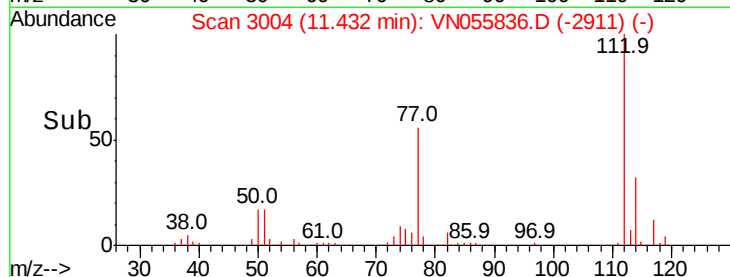
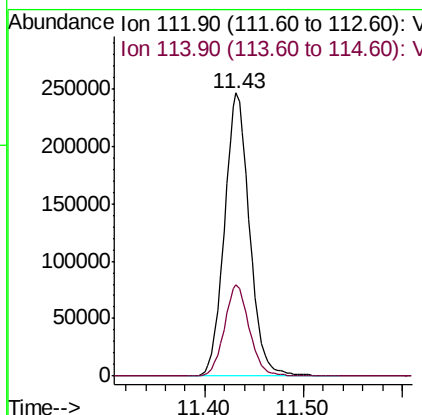
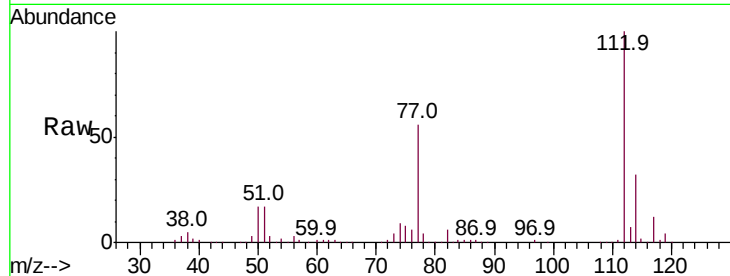
#65
Chlorobenzene
Concen: 48.306 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 438397
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

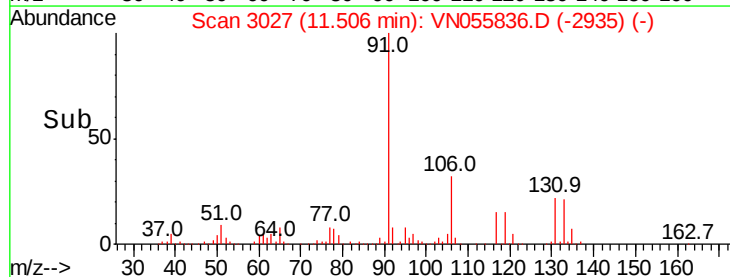
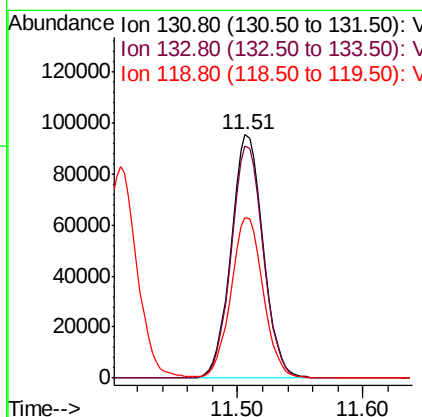
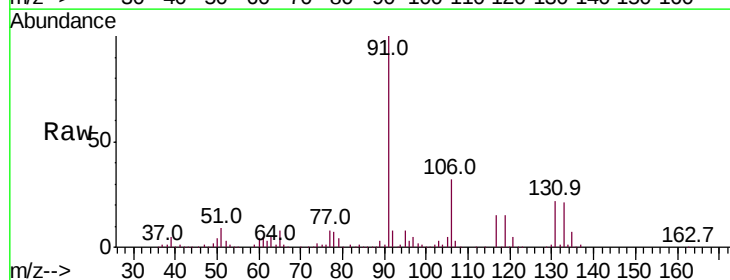
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.829 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion:131 Resp: 169504
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.4 33.1 99.5





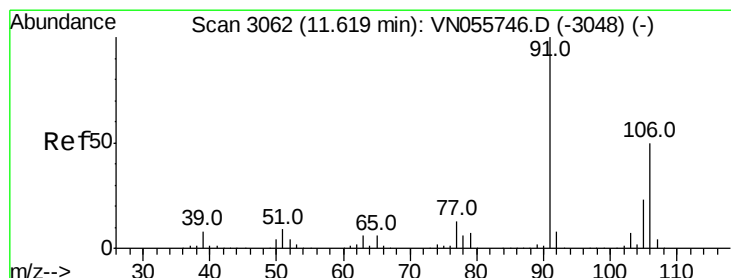
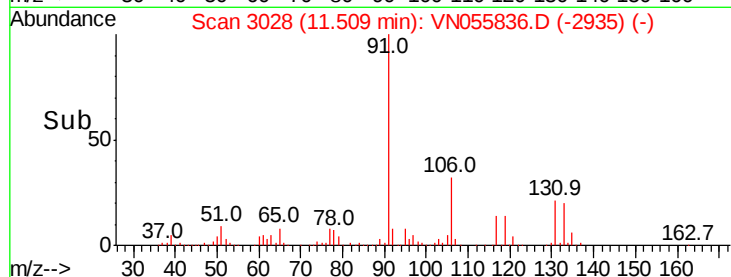
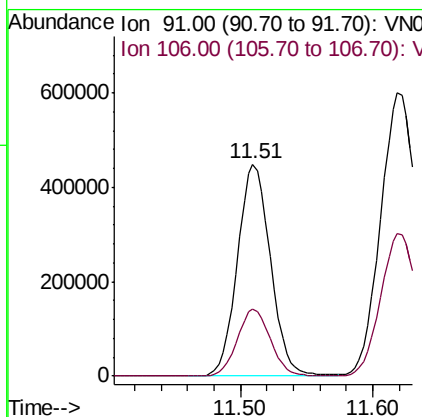
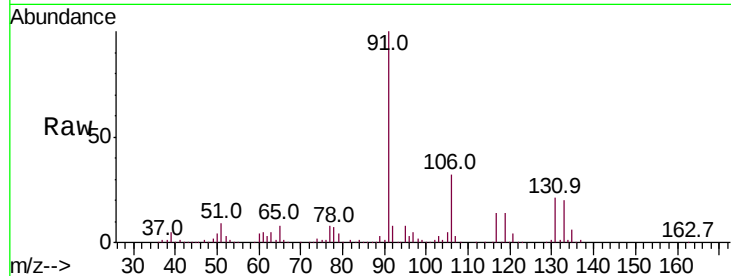
#67
Ethyl Benzene
Concen: 47.873 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 779120
Ion Ratio Lower Upper
91 100
106 31.7 25.1 37.7

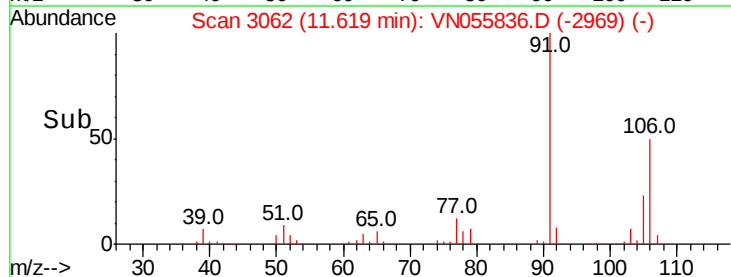
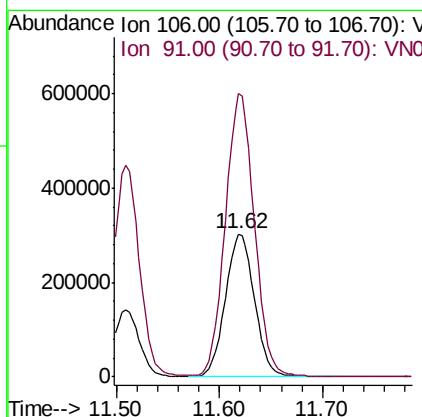
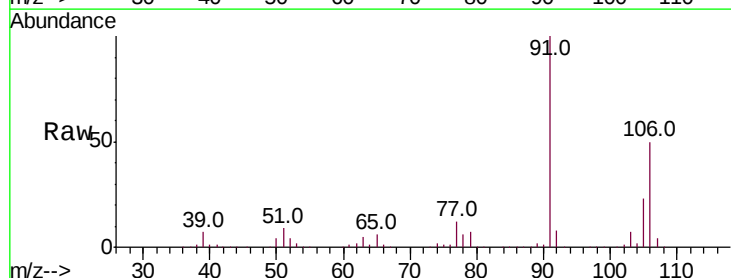
Manual Integrations
APPROVED

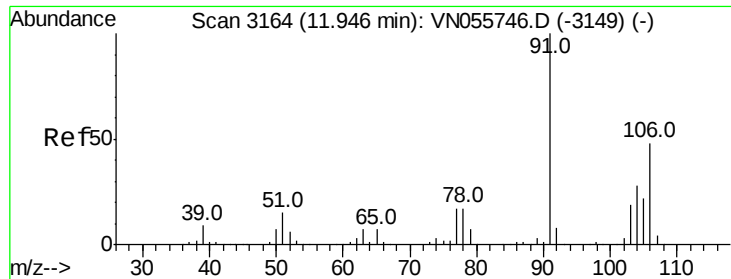
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#68
m/p-Xylenes
Concen: 96.615 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion: 106 Resp: 594439
Ion Ratio Lower Upper
106 100
91 198.2 159.3 238.9





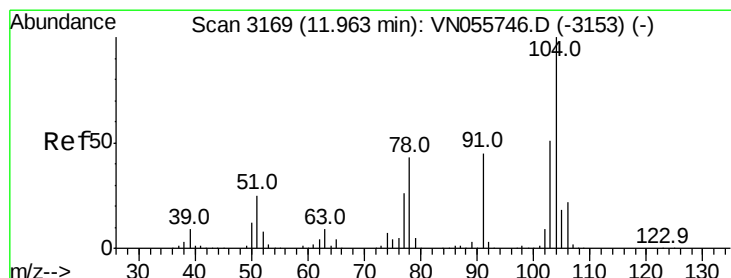
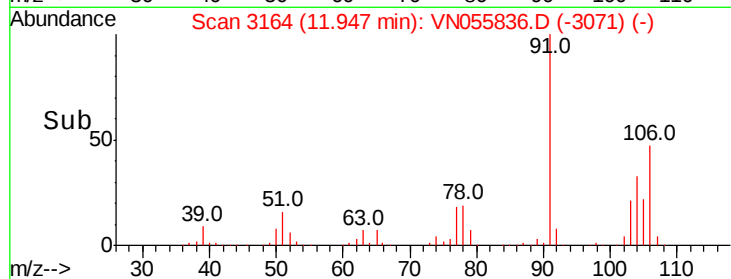
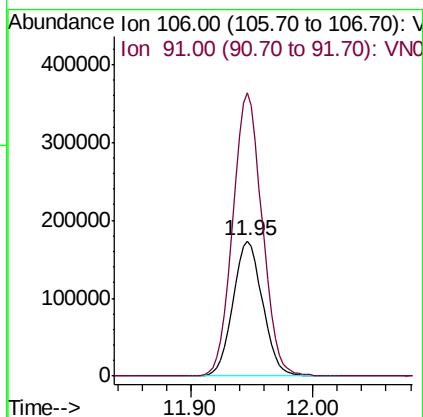
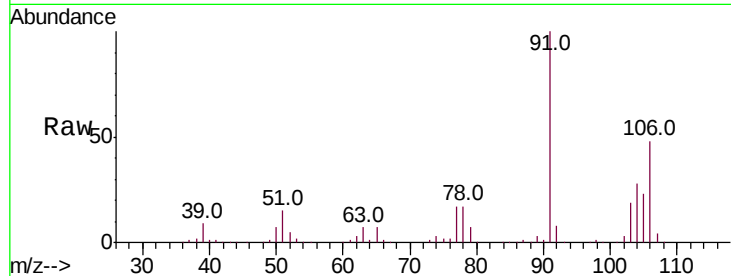
#69
o-Xylene
Concen: 47.821 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 291911
Ion Ratio Lower Upper
106 100
91 208.6 104.7 314.1

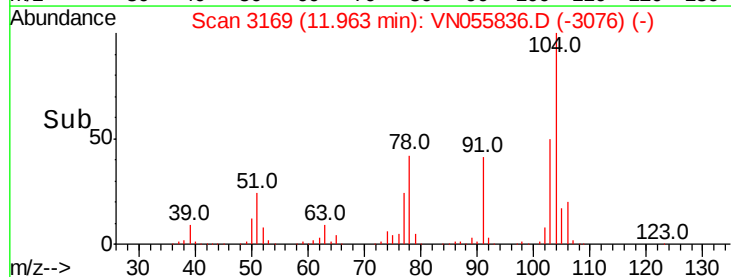
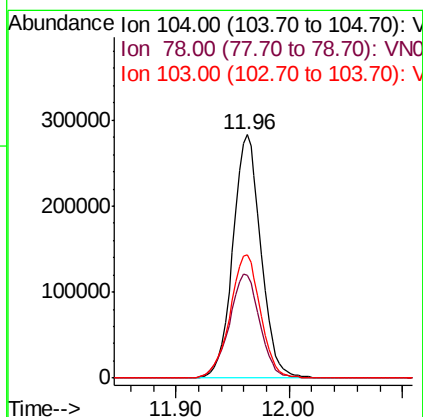
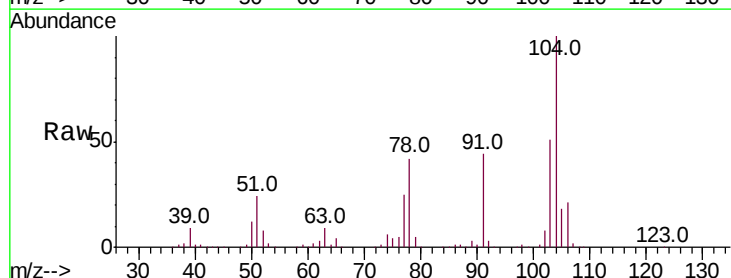
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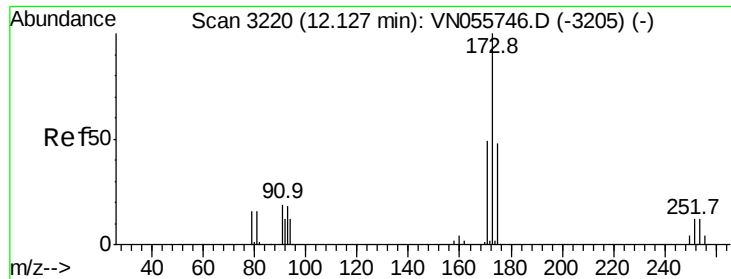
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#70
Styrene
Concen: 49.328 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion:104 Resp: 487628
Ion Ratio Lower Upper
104 100
78 46.9 37.8 56.6
103 55.1 44.2 66.2





#71

Bromoform

Concen: 46.483 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 143510

Ion Ratio Lower Upper

173 100

175 48.4 24.3 72.8

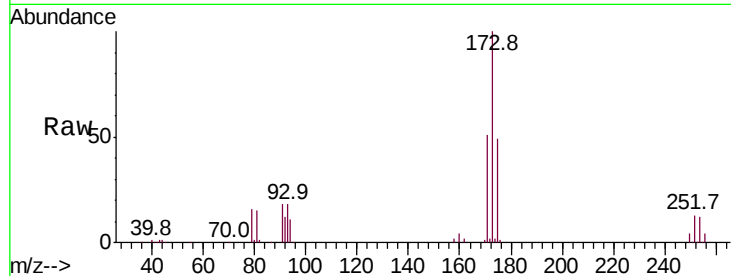
254 0.1 0.0 0.0#

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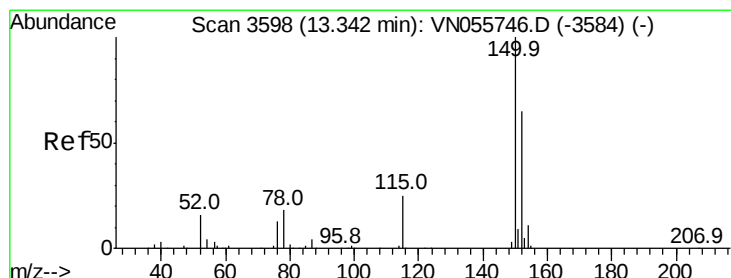
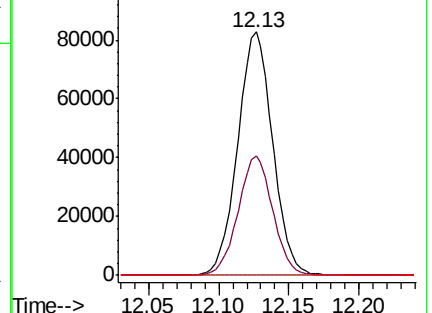
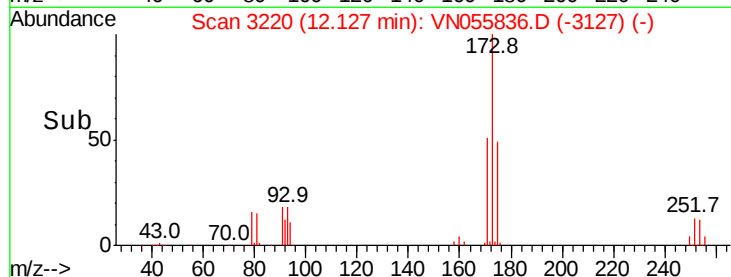
5/28/2019 10:37:03 AM



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: VN055836.D

Acq: 25 May 2019 8:49

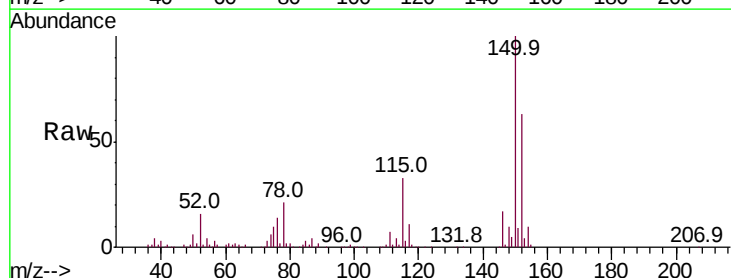
Tgt Ion:152 Resp: 208086

Ion Ratio Lower Upper

152 100

115 52.2 27.0 81.0

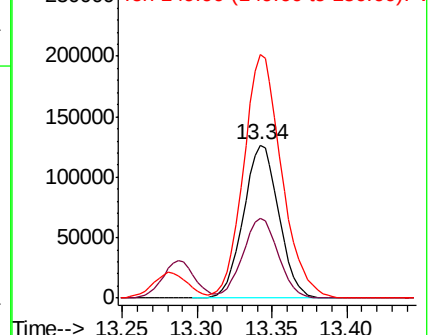
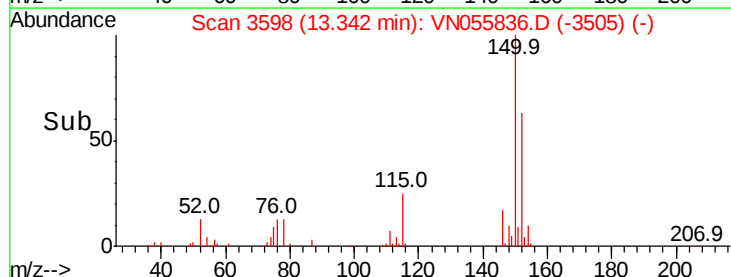
150 171.2 0.0 343.2

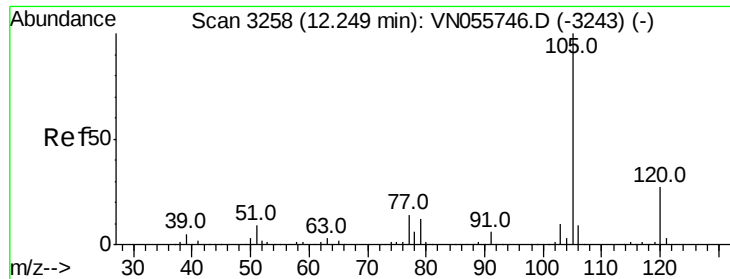


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.042 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 768710

Ion Ratio Lower Upper

105 100

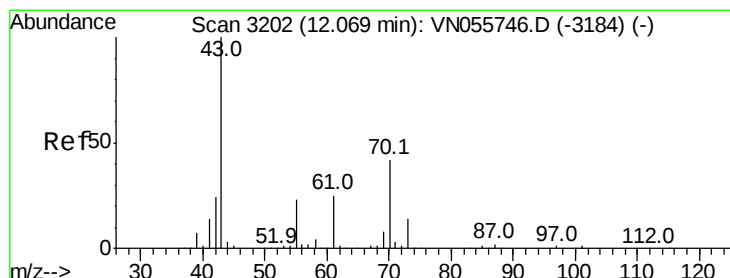
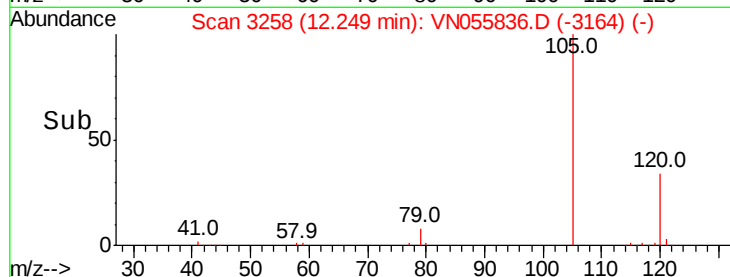
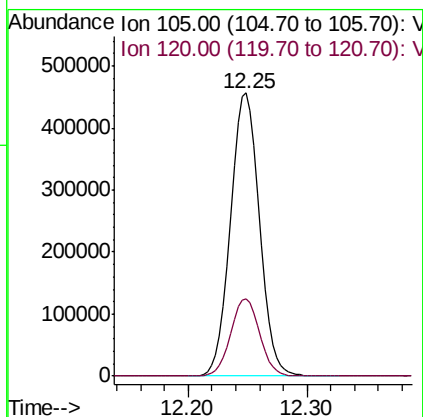
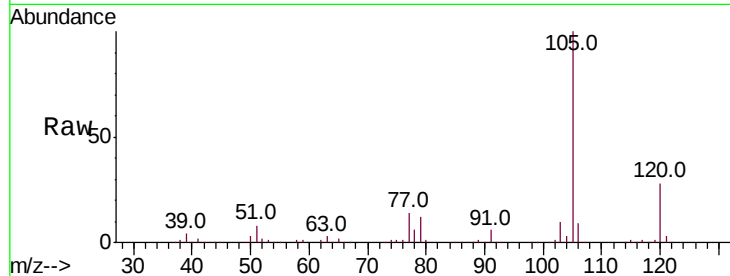
120 27.4 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.692 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion: 43 Resp: 274705

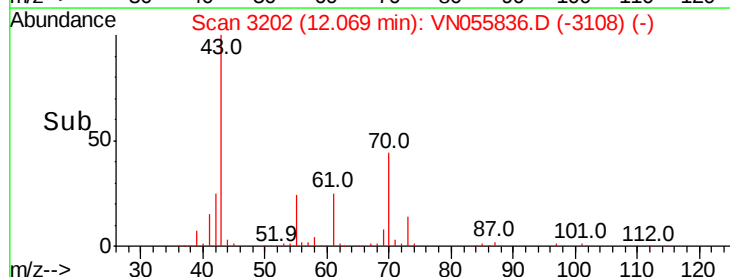
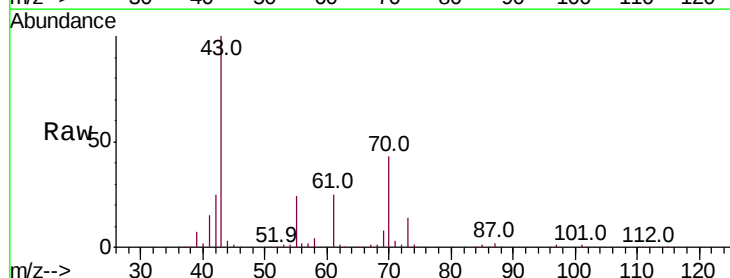
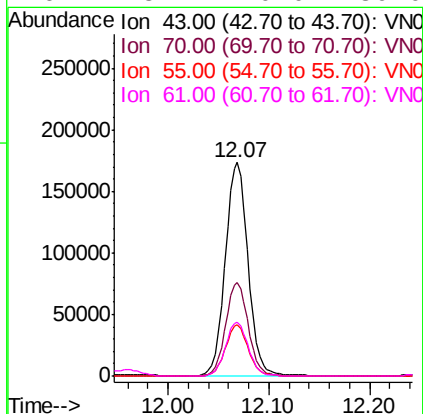
Ion Ratio Lower Upper

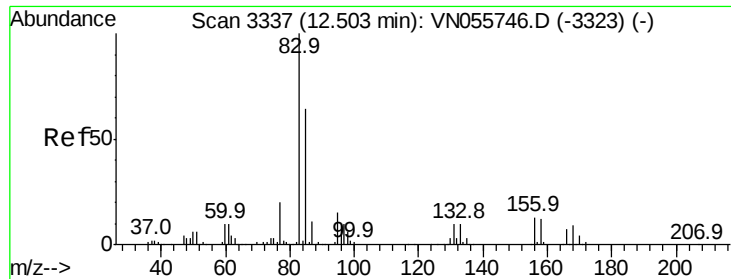
43 100

70 43.4 34.0 51.0

55 24.0 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.721 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

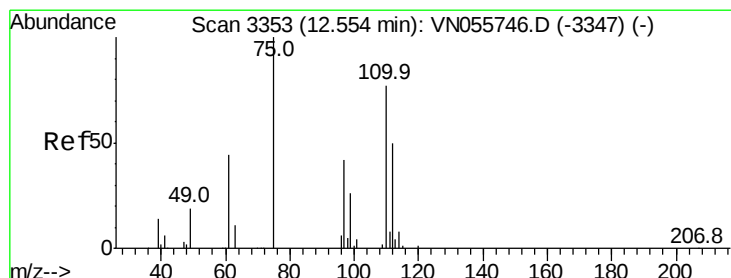
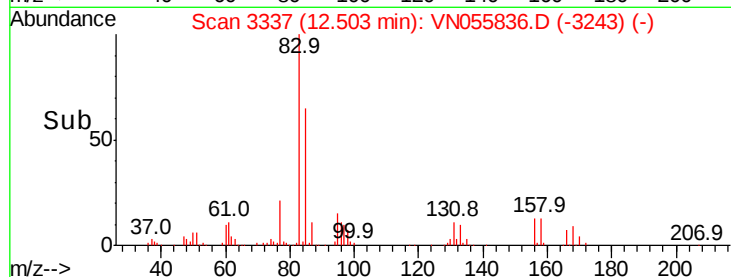
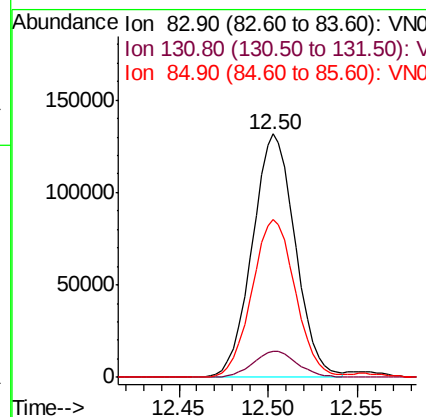
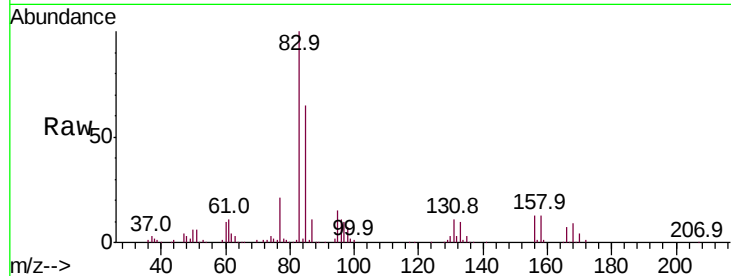
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	222145
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	65.3	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 54.894 ug/l m

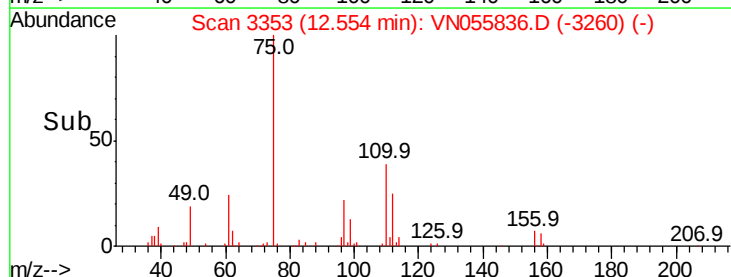
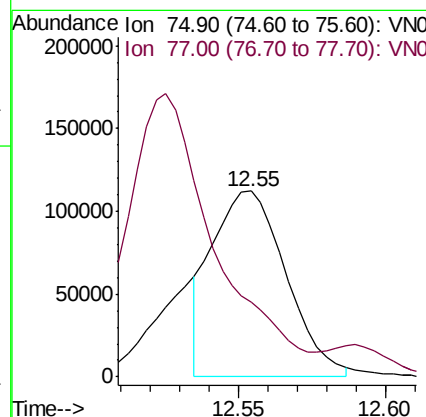
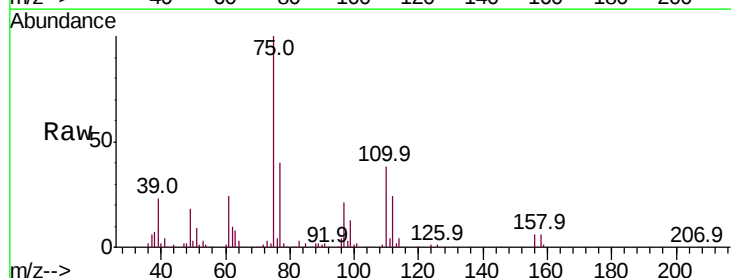
RT: 12.55 min Scan# 3353

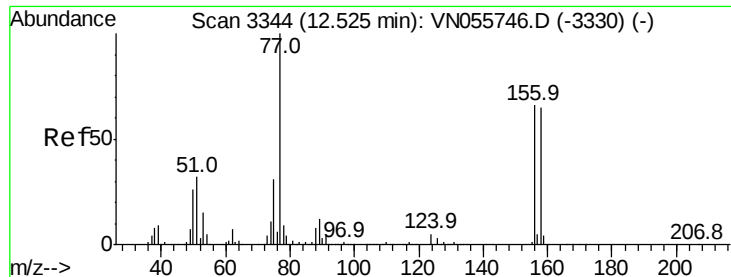
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	75	Resp:	195582
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.306 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

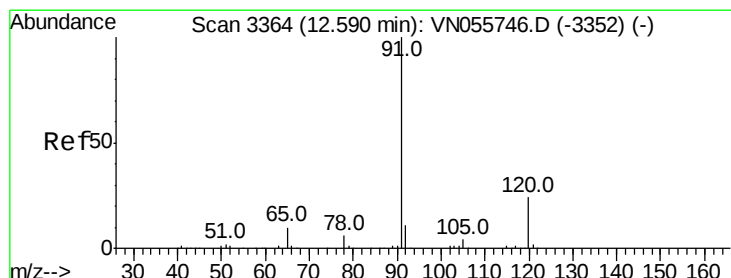
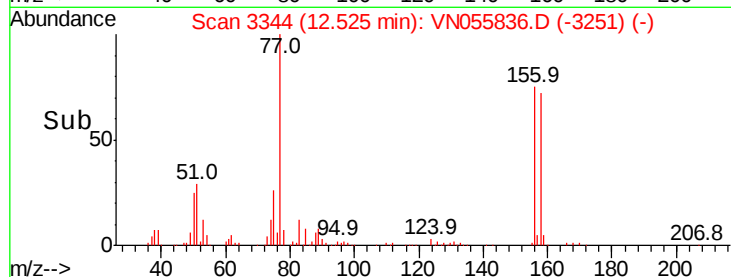
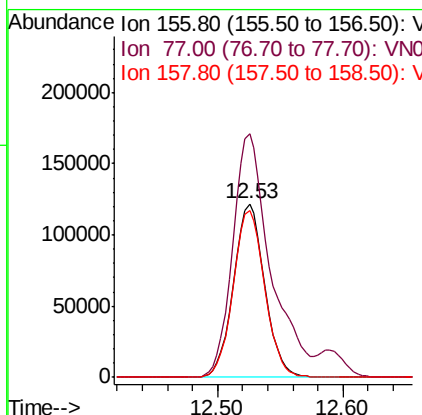
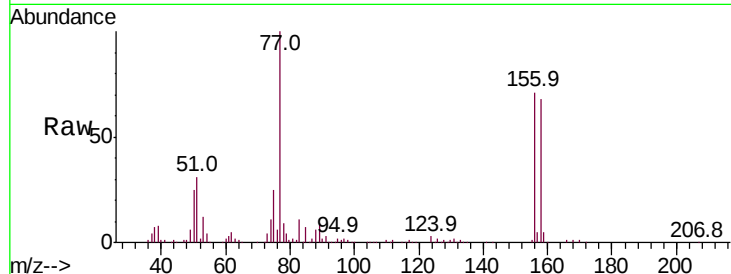
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	210054
Ion Ratio	Lower	Upper	
156	100		
77	171.2	90.8	272.5
158	97.3	49.3	147.8

Manual Integrations
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#78

n-propylbenzene

Concen: 45.678 ug/l

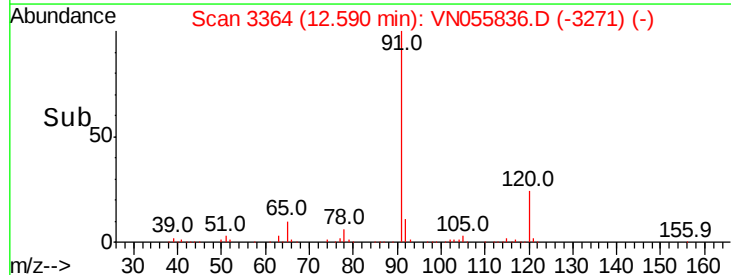
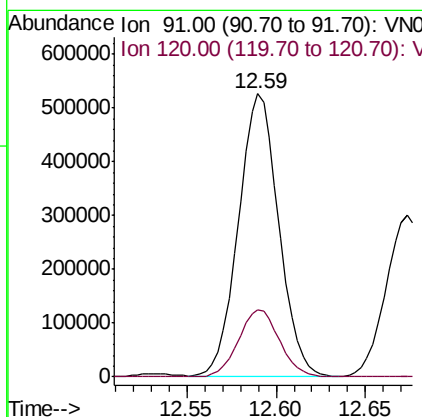
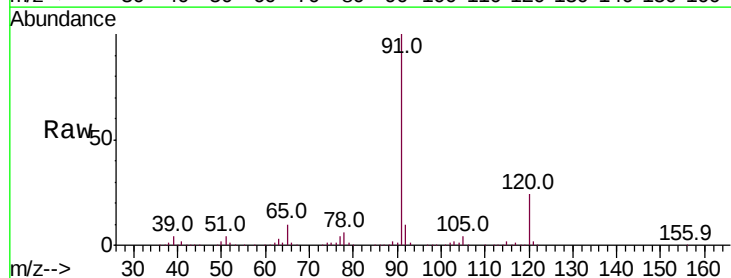
RT: 12.59 min Scan# 3364

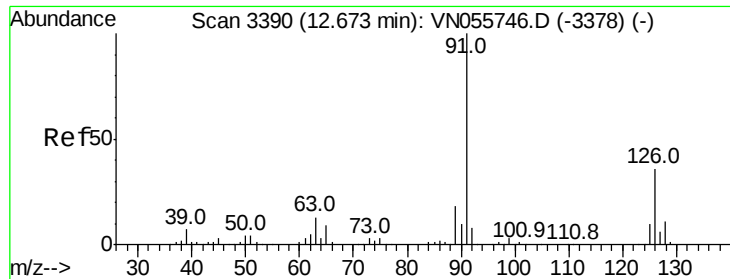
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	91	Resp:	826116
Ion Ratio	Lower	Upper	
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.542 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 501336

Ion Ratio Lower Upper

91 100

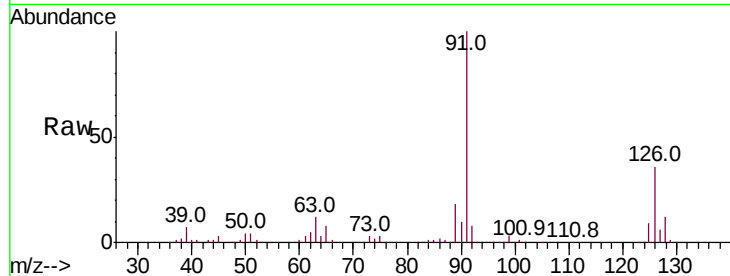
126 36.2 18.1 54.4

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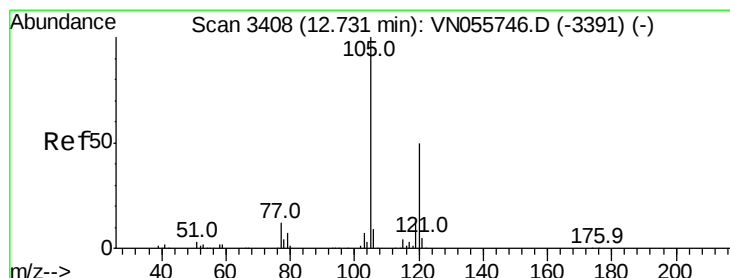
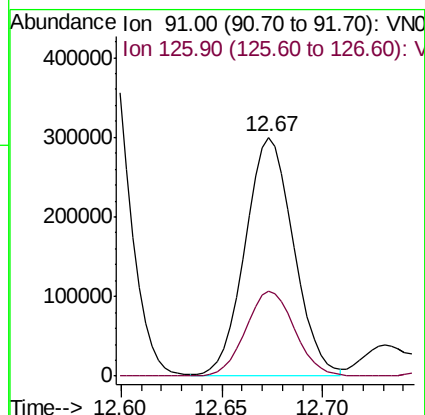
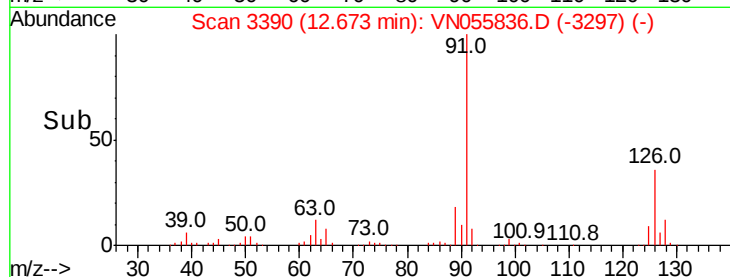
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Abundance Ion 91.00 (90.70 to 91.70): VN055836.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN055836.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.165 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055836.D

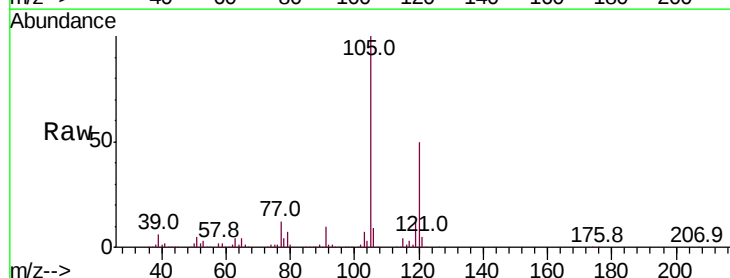
Acq: 25 May 2019 8:49

Tgt Ion:105 Resp: 636737

Ion Ratio Lower Upper

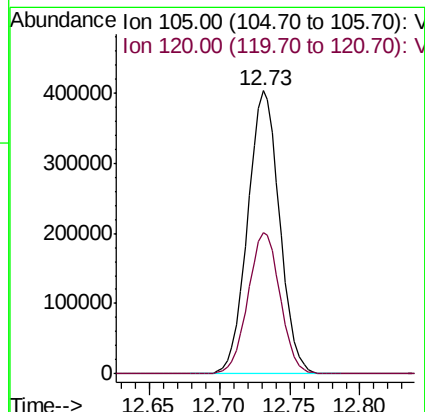
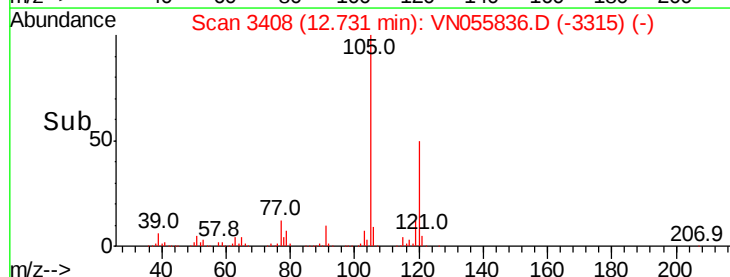
105 100

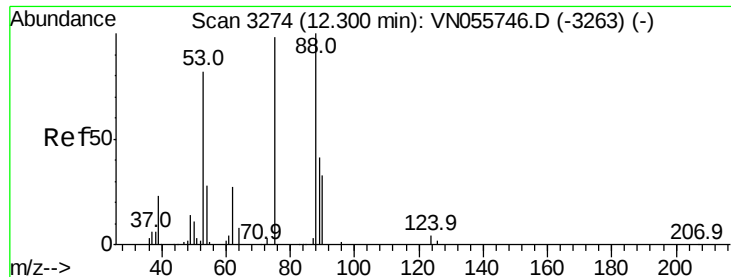
120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055836.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN055836.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 34.910 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

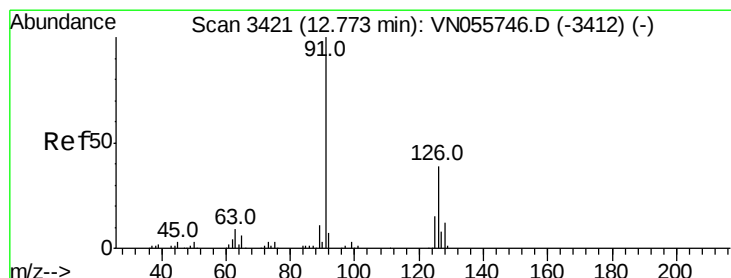
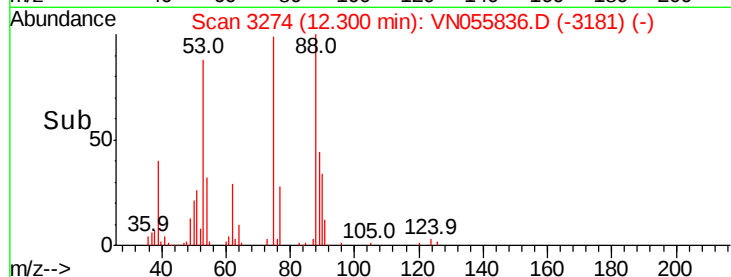
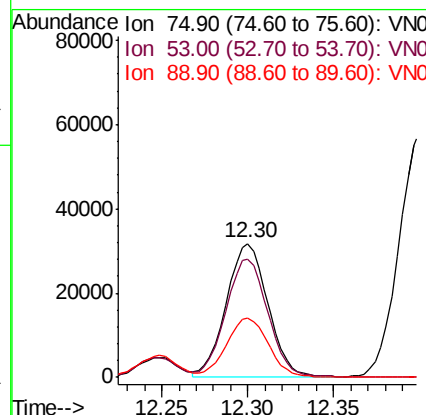
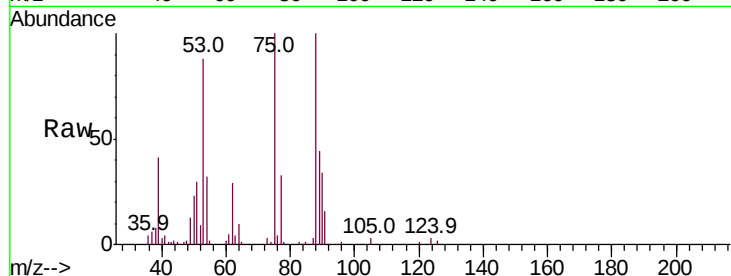
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53991
Ion	Ratio	Lower	Upper
75	100		
53	89.2	68.1	102.1
89	44.6	36.9	55.3

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#82

4-Chlorotoluene

Concen: 45.948 ug/l

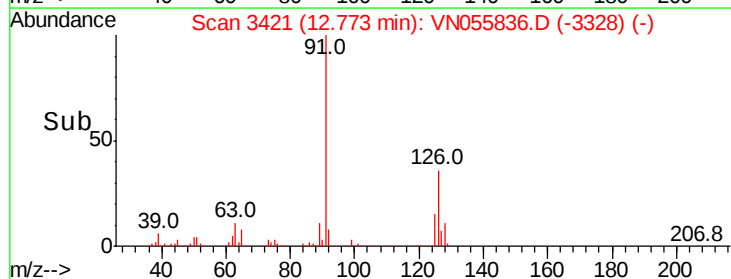
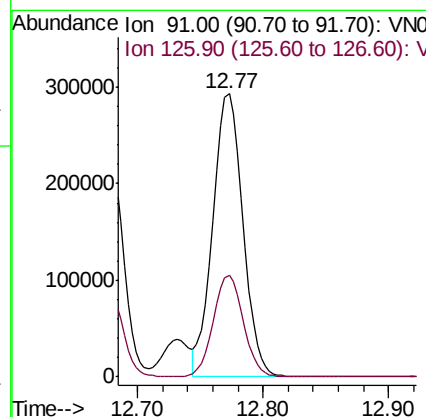
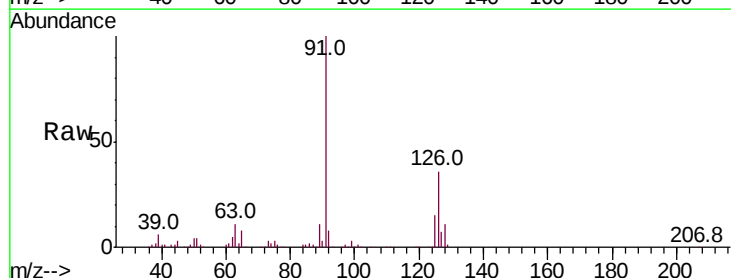
RT: 12.77 min Scan# 3421

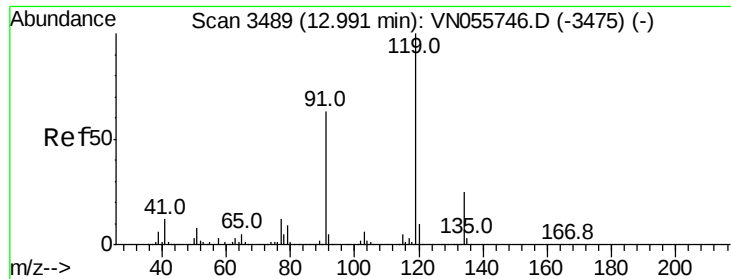
Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Tgt Ion:	91	Resp:	488476
Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3





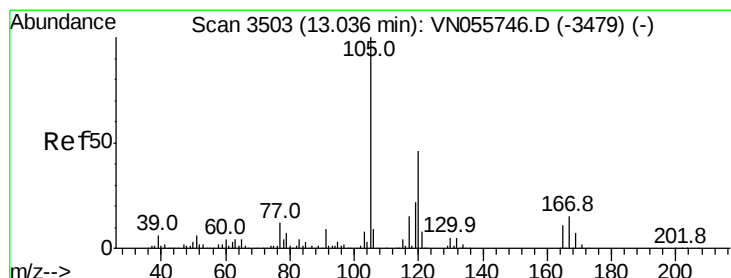
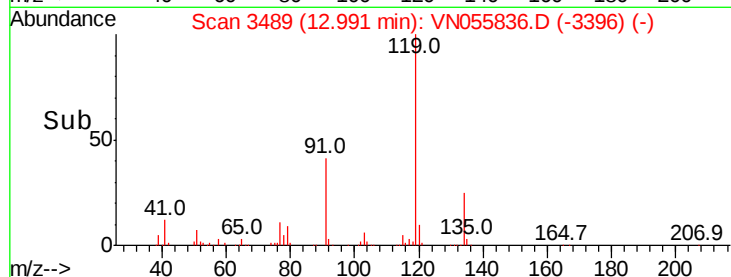
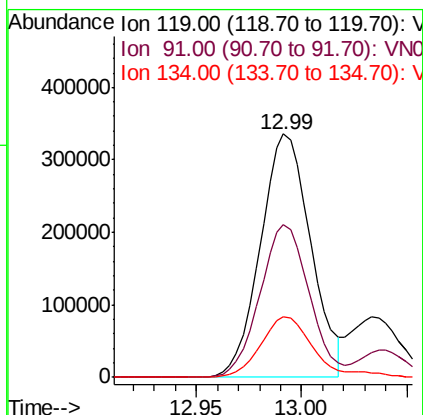
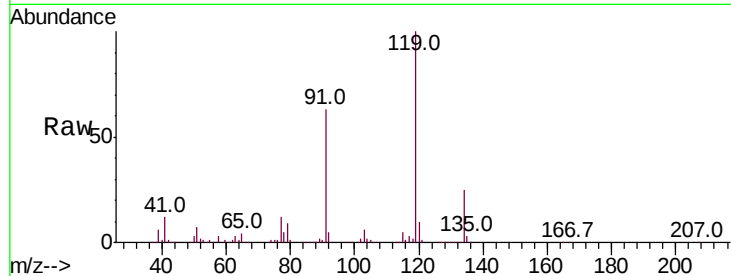
#83
tert-Butylbenzene
Concen: 51.884 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	557549		
91	61.4	30.9	92.8	
134	26.4	13.3	39.8	

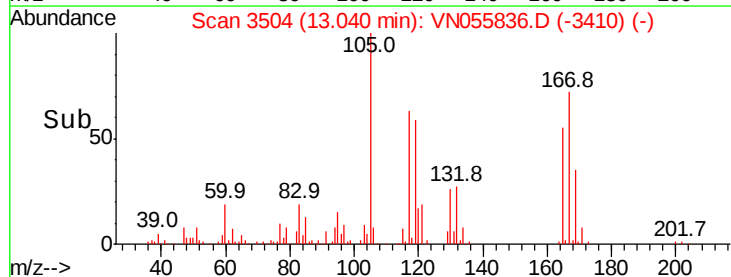
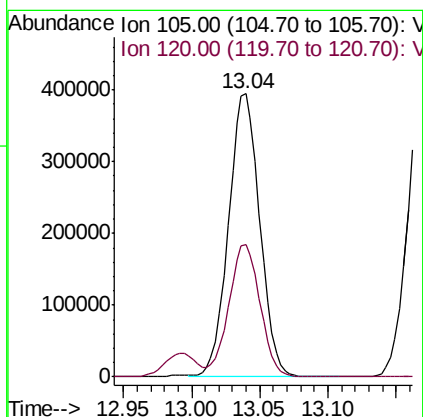
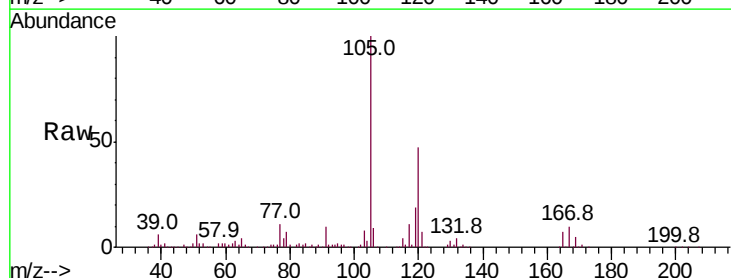
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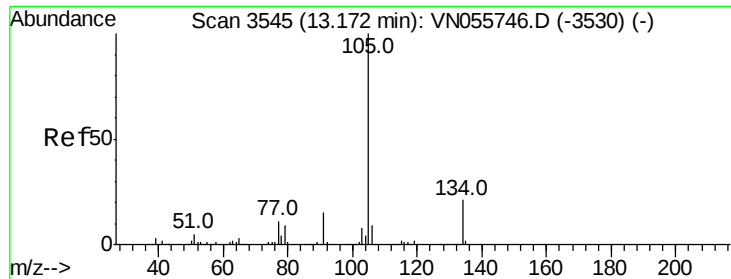
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#84
1,2,4-Trimethylbenzene
Concen: 50.454 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	627322		
120	46.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 51.720 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 723355

Ion Ratio Lower Upper

105 100

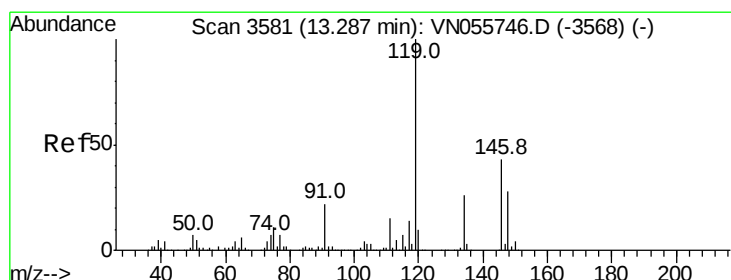
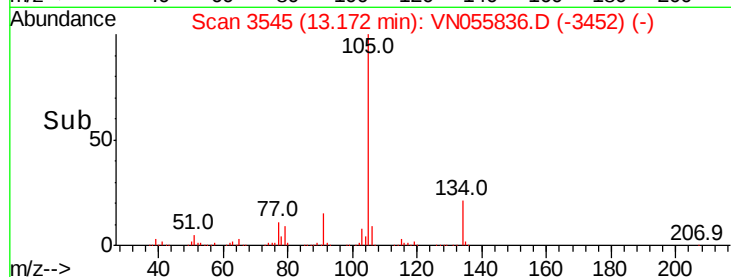
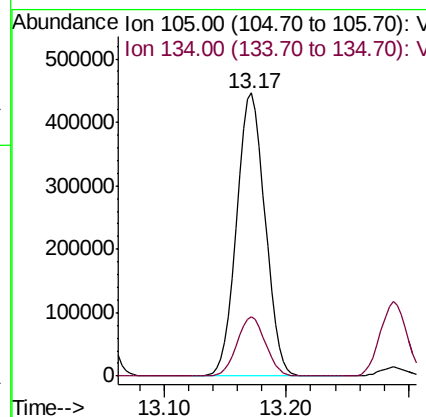
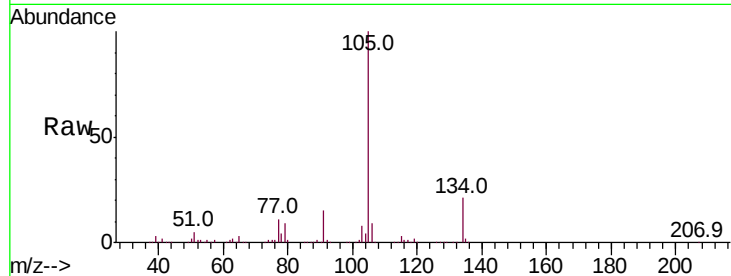
134 20.8 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 45.638 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055836.D

Acq: 25 May 2019 8:49

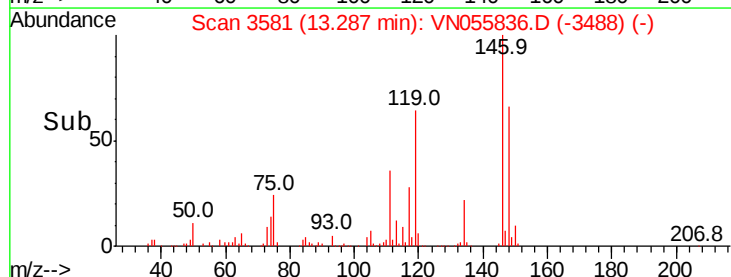
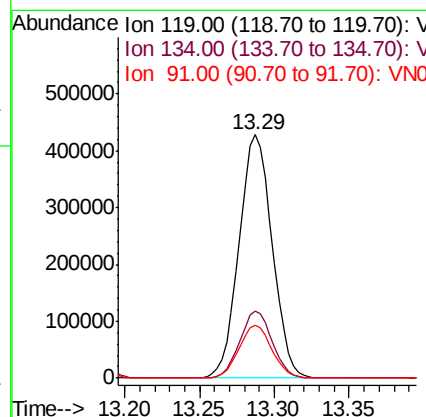
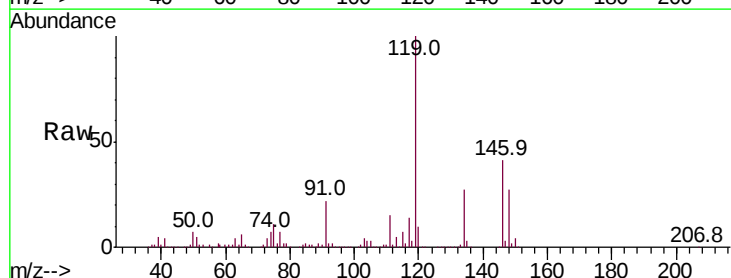
Tgt Ion:119 Resp: 659508

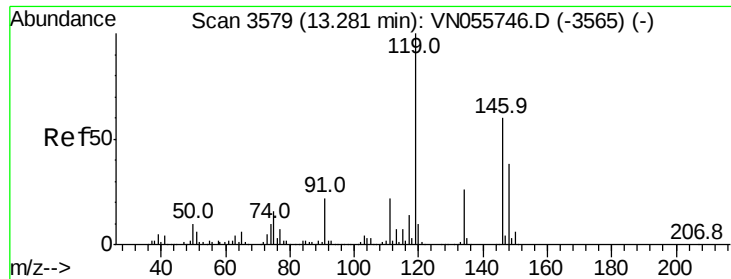
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.6 10.9 32.9





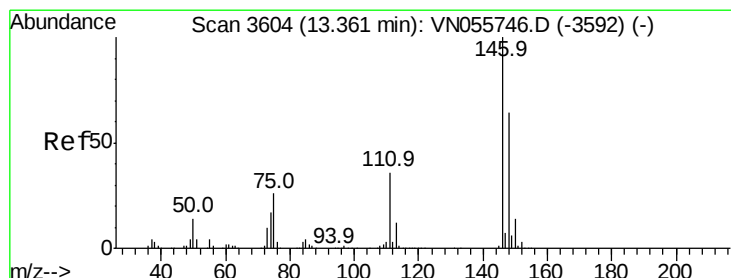
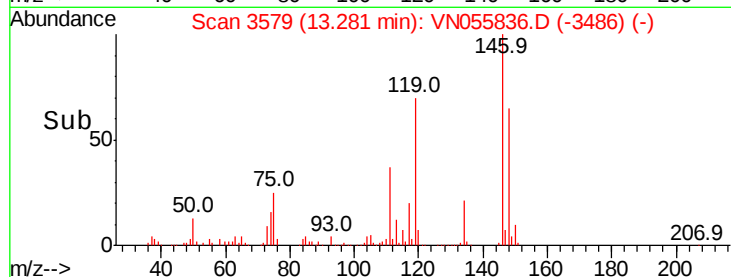
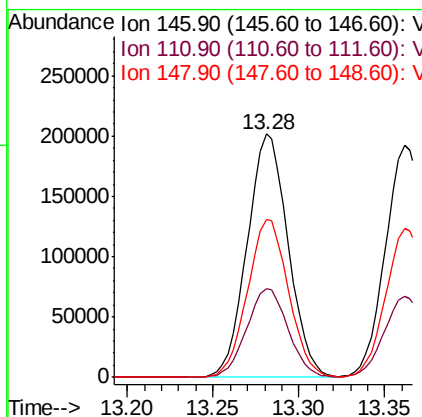
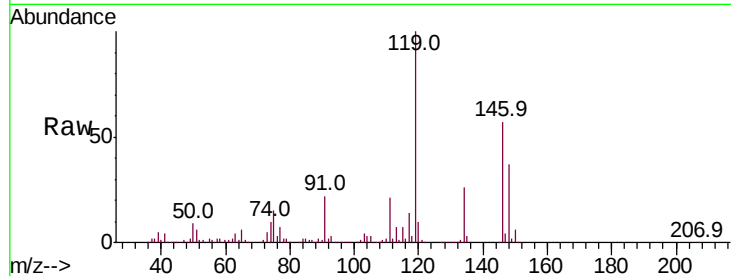
#87
 1,3-Dichlorobenzene
 Concen: 47.344 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	65.0	32.0	96.2

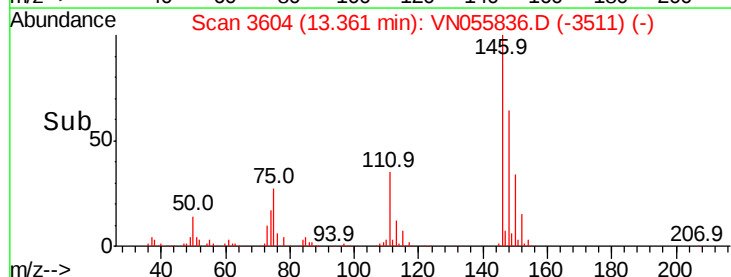
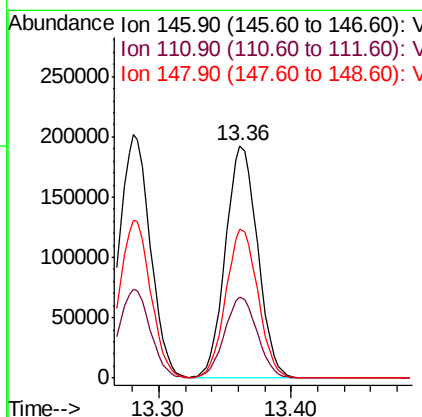
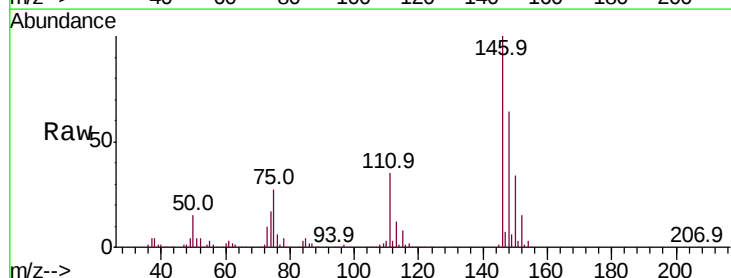
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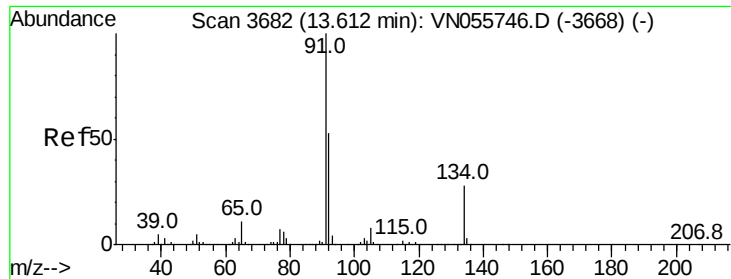
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#88
 1,4-Dichlorobenzene
 Concen: 48.581 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	64.1	32.1	96.5





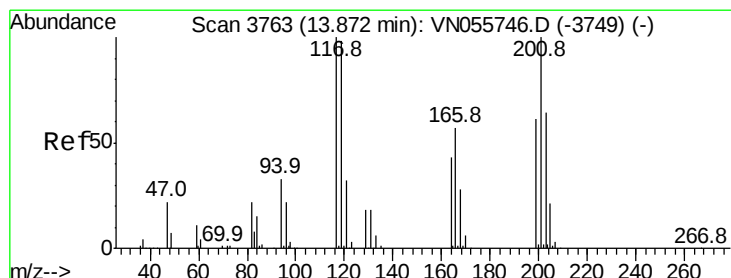
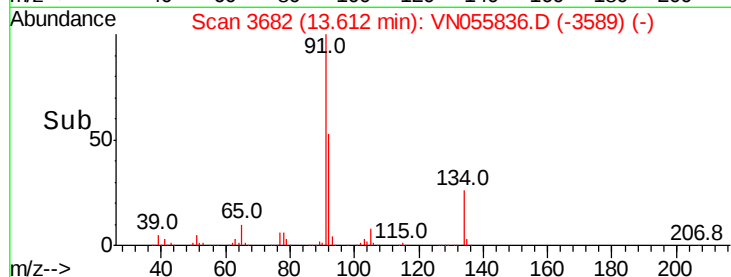
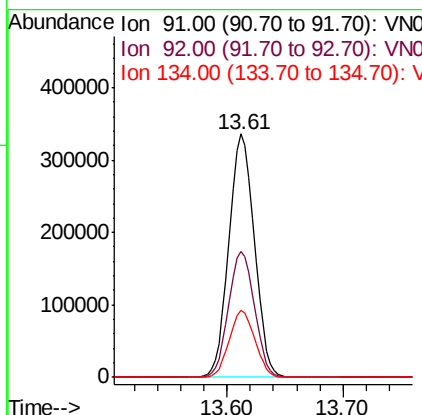
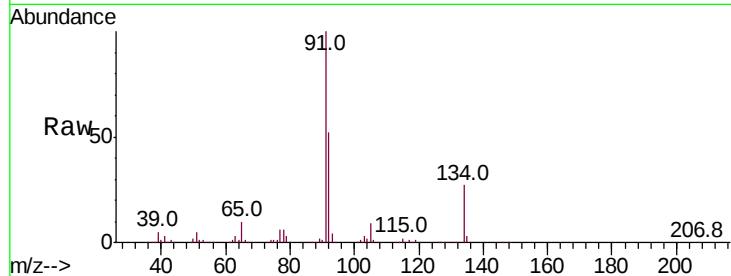
#89
n-Butylbenzene
Concen: 45.885 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.4	79.0
134	27.4	13.9	41.7

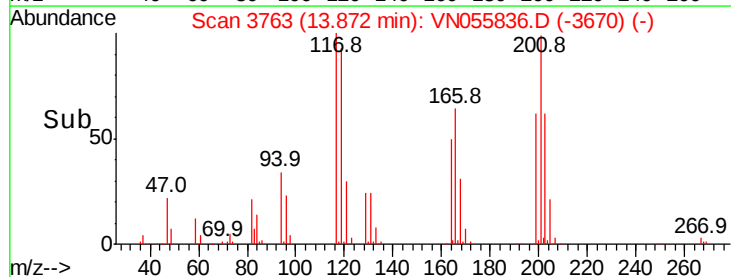
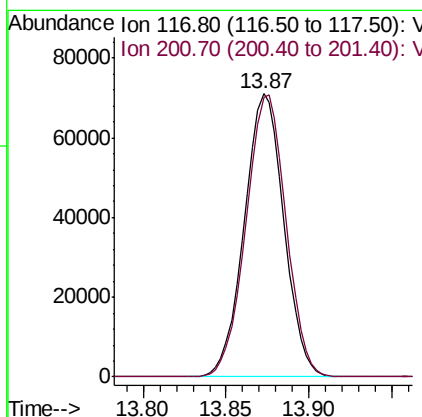
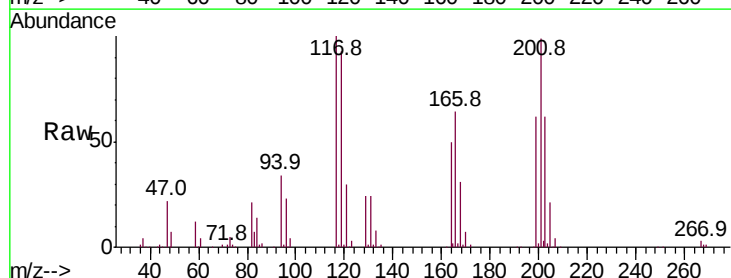
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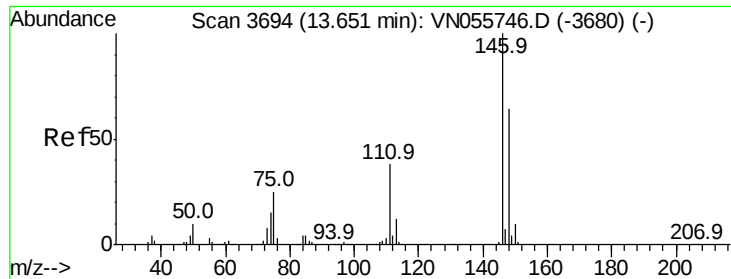
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#90
Hexachloroethane
Concen: 42.845 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.7	50.0	150.0





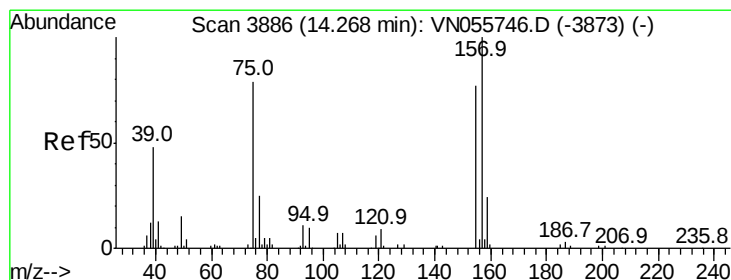
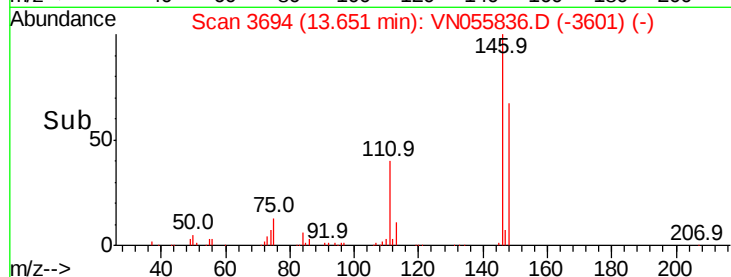
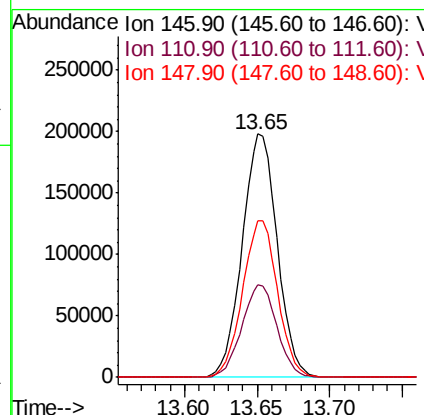
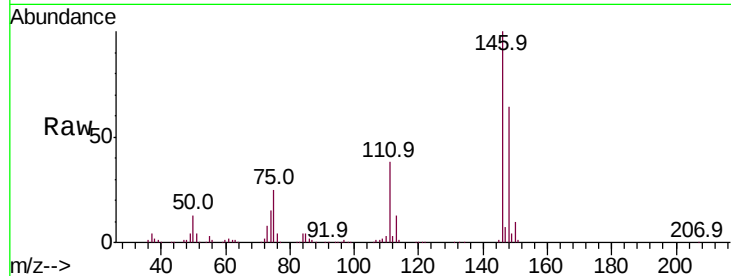
#91
 1,2-Dichlorobenzene
 Concen: 47.423 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.8	19.1	57.5	
148	64.2	31.9	95.9	

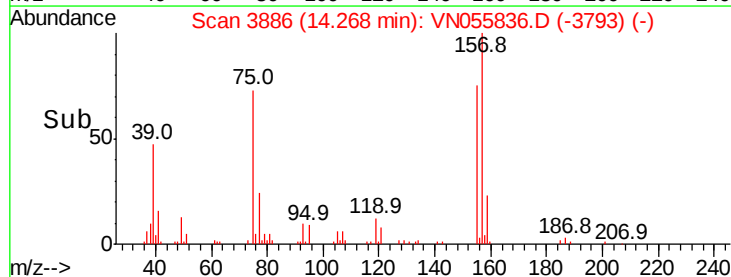
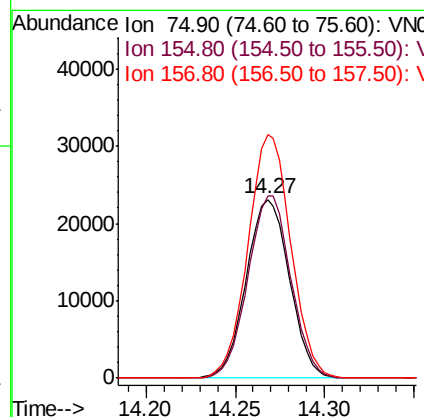
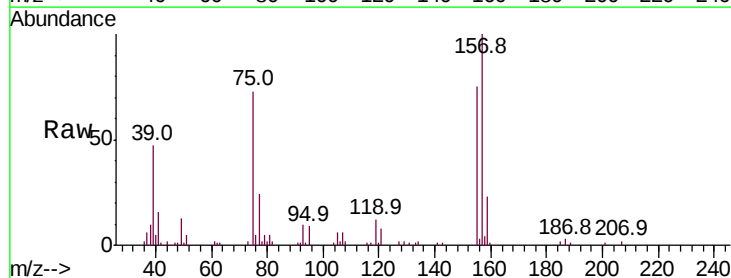
Manual Integrations
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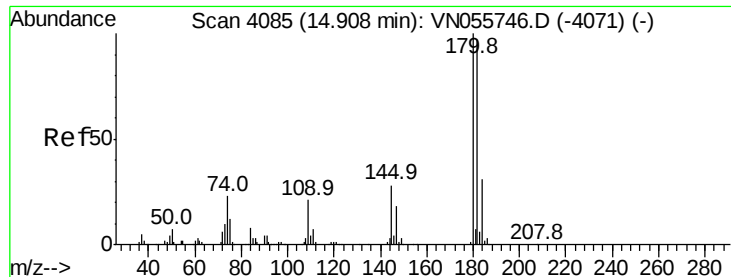
MMDadoda
 5/28/2019 10:37:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.414 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	101.3	50.0	150.1	
157	134.6	64.8	194.3	





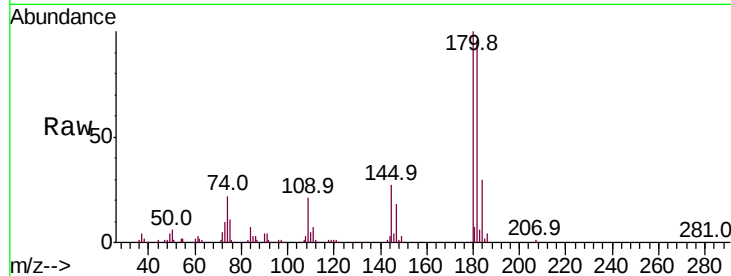
#93
 1,2,4-Trichlorobenzene
 Concen: 44.892 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	179562		
182	95.5	48.3	144.9	
145	28.0	14.0	41.9	

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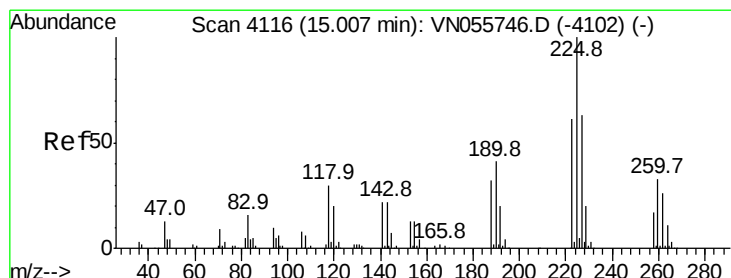
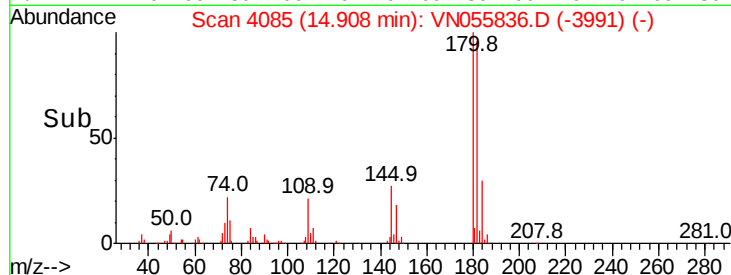
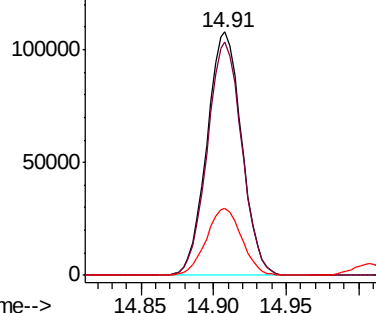


Abundance

Ion 179.80 (179.50 to 180.50): V

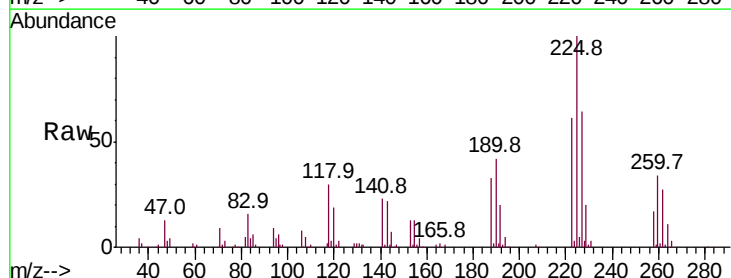
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.707 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055836.D
 Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120361		
223	62.5	30.9	92.7	
227	63.9	31.6	94.7	

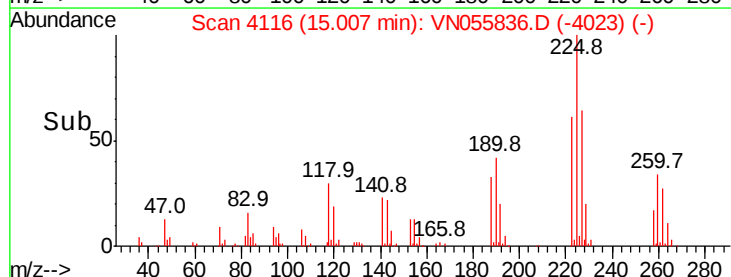
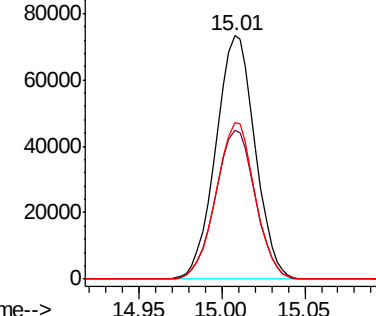


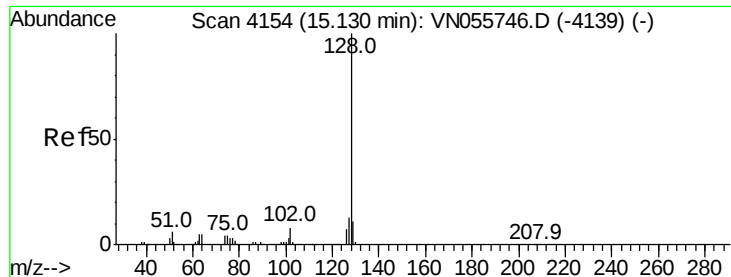
Abundance

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





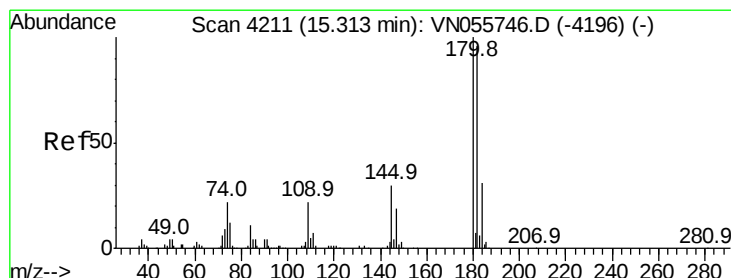
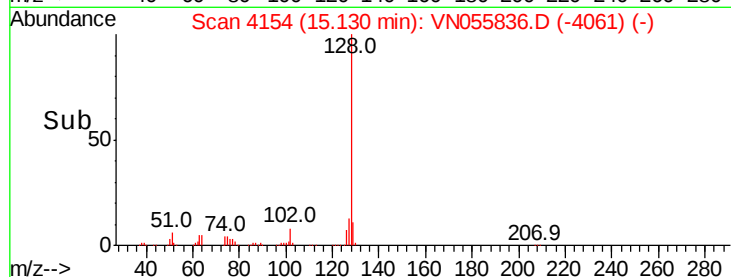
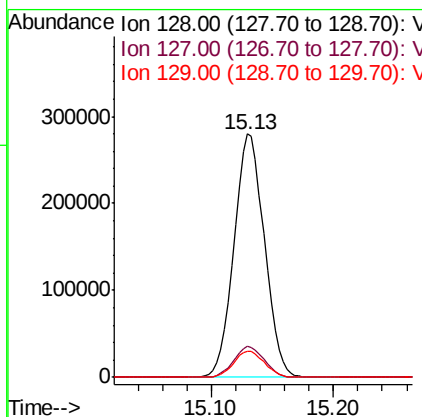
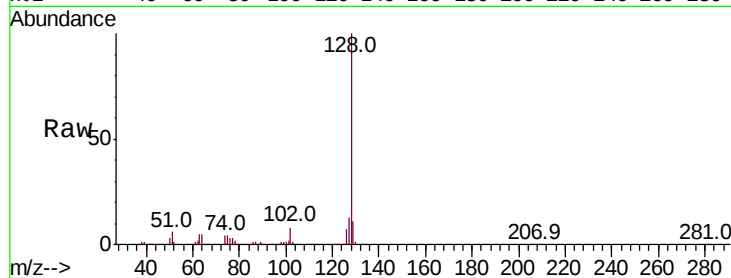
#95
Naphthalene
Concen: 50.258 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.9	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 50.643 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055836.D
Acq: 25 May 2019 8:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.3	14.9	44.7

