

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055744.D
 Acq On : 23 May 2019 9:45
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:20:54 AM

Quant Time: May 24 06:01:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	345962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	505035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	430313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	17368	4.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.24%	
35) Dibromofluoromethane	7.59	113	15168	4.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.48%	
50) Toluene-d8	10.09	98	58693	4.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.66%	
62) 4-Bromofluorobenzene	12.40	95	17795	4.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	12403	4.747	ug/l	99
3) Chloromethane	2.06	50	17214	4.885	ug/l	96
4) Vinyl Chloride	2.19	62	17980	4.730	ug/l	100
5) Bromomethane	2.54	94	13296m	5.463	ug/l	
6) Chloroethane	2.69	64	11177	5.235	ug/l	97
7) Trichlorofluoromethane	3.01	101	24191	4.964	ug/l	99
8) Diethyl Ether	3.40	74	10426	5.258	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	14694	4.934	ug/l	98
10) Methyl Iodide	3.94	142	19619	4.539	ug/l	100
11) Tert butyl alcohol	4.81	59	14980	21.208	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	15088	4.814	ug/l	96
13) Acrolein	3.60	56	14621	35.987	ug/l	97
14) Allyl chloride	4.32	41	25111	4.956	ug/l	95
15) Acrylonitrile	4.99	53	38041	24.244	ug/l	99
16) Acetone	3.82	43	38409	24.761	ug/l	99
17) Carbon Disulfide	4.04	76	42268	4.854	ug/l	98
18) Methyl Acetate	4.33	43	19244	5.803	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	48972	4.735	ug/l	96
20) Methylene Chloride	4.55	84	17206	4.903	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	15728	4.717	ug/l	98
22) Diisopropyl ether	5.95	45	50322	4.995	ug/l	91
23) Vinyl Acetate	5.90	43	208015	24.339	ug/l	99
24) 1,1-Dichloroethane	5.84	63	29517	5.030	ug/l	97
25) 2-Butanone	6.84	43	53867	24.919	ug/l	96
26) 2,2-Dichloropropane	6.82	77	25569	4.920	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	18900	4.851	ug/l	100
28) Bromochloromethane	7.19	49	12824	4.949	ug/l #	97
29) Tetrahydrofuran	7.22	42	35111	24.567	ug/l	100
30) Chloroform	7.37	83	29314	4.850	ug/l	99
31) Cyclohexane	7.65	56	31926	5.703	ug/l #	76
32) 1,1,1-Trichloroethane	7.57	97	25849	4.777	ug/l	99
36) 1,1-Dichloropropene	7.79	75	21769	4.860	ug/l	99
37) Ethyl Acetate	6.93	43	20795	5.123	ug/l	99
38) Carbon Tetrachloride	7.77	117	22554	4.703	ug/l	99

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 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	26877	4.947	ug/l	99
40) Benzene	8.04	78	65252	4.923	ug/l	97
41) Methacrylonitrile	7.18	41	9298	5.276	ug/l	93
42) 1,2-Dichloroethane	8.12	62	21925	5.118	ug/l	100
43) Isopropyl Acetate	8.17	43	34931	4.939	ug/l #	92
44) Trichloroethene	8.83	130	18737	5.014	ug/l	96
45) 1,2-Dichloropropane	9.12	63	17607	5.048	ug/l	96
46) Dibromomethane	9.21	93	11400	4.986	ug/l	99
47) Bromodichloromethane	9.40	83	23089	4.838	ug/l	97
48) Methyl methacrylate	9.20	41	16625	5.247	ug/l	98
49) 1,4-Dioxane	9.21	88	6605	105.186	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	103330	24.727	ug/l	100
52) Toluene	10.16	92	41269	4.952	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	23378	4.560	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	26463	4.710	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	16400	4.785	ug/l	94
56) Ethyl methacrylate	10.43	69	24571	4.590	ug/l	94
57) 1,3-Dichloropropane	10.71	76	26696	4.926	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	43528	19.584	ug/l	99
59) 2-Hexanone	10.75	43	71800	24.448	ug/l	98
60) Dibromochloromethane	10.90	129	18020	4.638	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16223	4.727	ug/l	95
64) Tetrachloroethene	10.63	164	18749	5.482	ug/l	97
65) Chlorobenzene	11.43	112	42514	4.893	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	16892	4.838	ug/l	96
67) Ethyl Benzene	11.51	91	76846	4.952	ug/l	99
68) m/p-Xylenes	11.62	106	57694	9.844	ug/l	100
69) o-Xylene	11.95	106	29699	5.165	ug/l	98
70) Styrene	11.96	104	44242	4.640	ug/l	99
71) Bromoform	12.13	173	13960	4.706	ug/l #	98
73) Isopropylbenzene	12.25	105	74332	5.909	ug/l	100
74) N-amyl acetate	12.07	43	26975	6.229	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	22568	5.826	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	19013m	5.992	ug/l	
77) Bromobenzene	12.53	156	18670	5.865	ug/l	96
78) n-propylbenzene	12.59	91	73460	5.388	ug/l	98
79) 2-Chlorotoluene	12.67	91	47903	5.767	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	61401	5.811	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	6590	5.458	ug/l	94
82) 4-Chlorotoluene	12.77	91	42666	5.307	ug/l	99
83) tert-Butylbenzene	12.99	119	55408	5.977	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	59982	5.764	ug/l	100
85) sec-Butylbenzene	13.17	105	67822	5.761	ug/l	100
86) p-Isopropyltoluene	13.29	119	59878	5.534	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26578	5.082	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	24414	4.908	ug/l	93
89) n-Butylbenzene	13.61	91	41399	4.925	ug/l	98
90) Hexachloroethane	13.87	117	11943	5.782	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	27898	5.352	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3833	5.562	ug/l	93

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ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

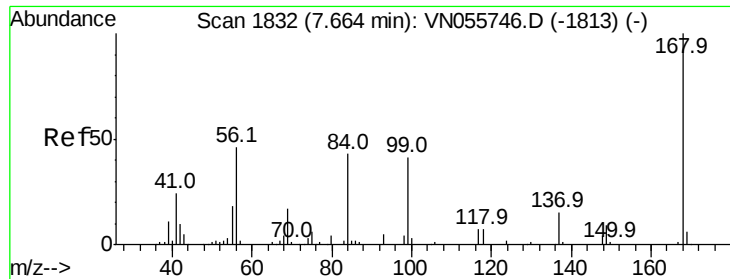
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 05:41:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	9650	3.691	ug/l	96
94) Hexachlorobutadiene	15.01	225	11209	6.044	ug/l	96
95) Naphthalene	15.13	128	28437	4.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	11668	4.231	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 345962

Ion Ratio Lower Upper

168 100

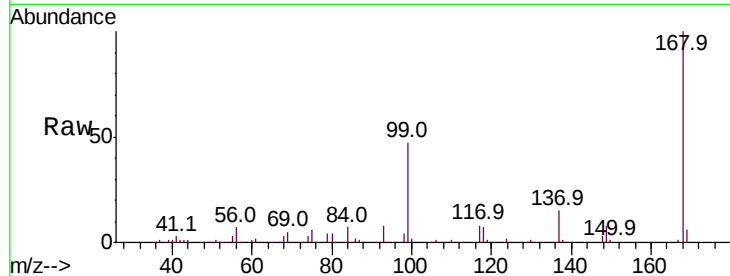
99 46.7 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

150000

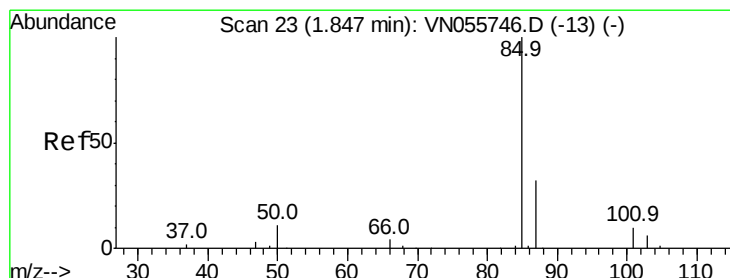
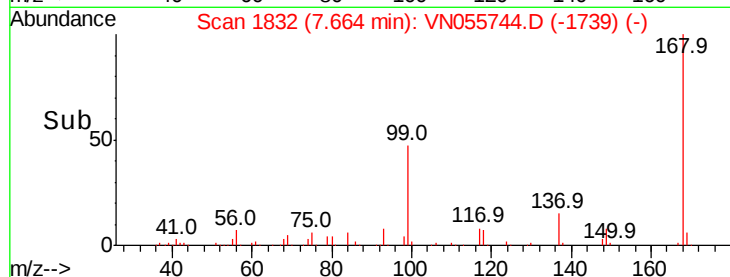
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.747 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055744.D

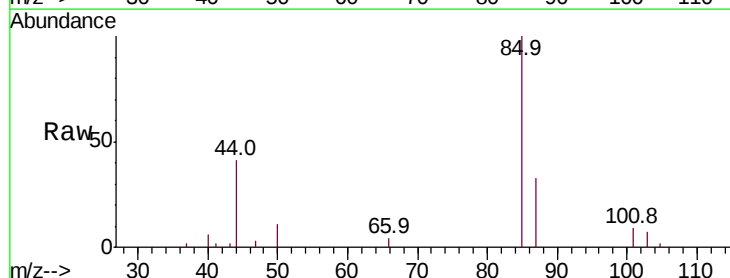
Acq: 23 May 2019 9:45

Tgt Ion: 85 Resp: 12403

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

8000

6000

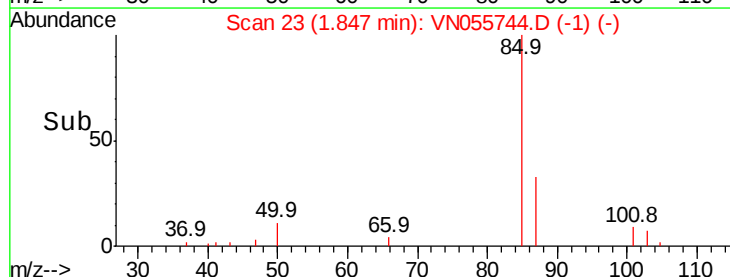
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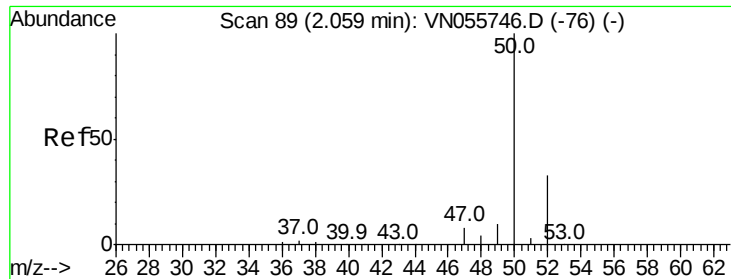
2000

0

1.80 1.85 1.90 1.95

Time-->





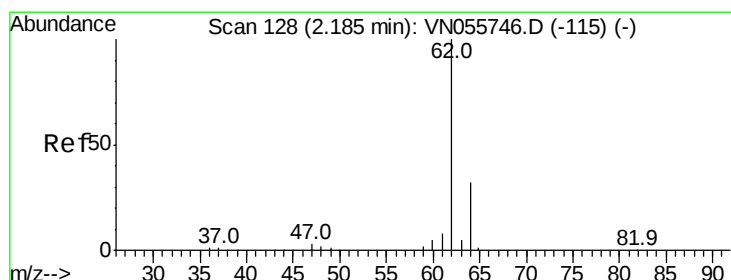
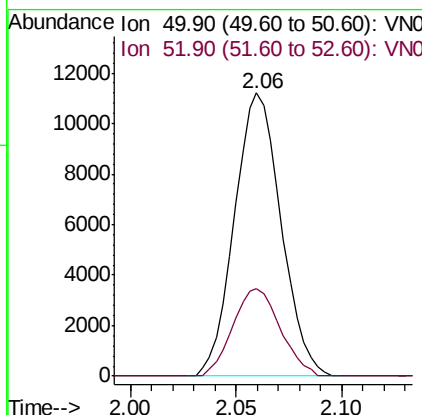
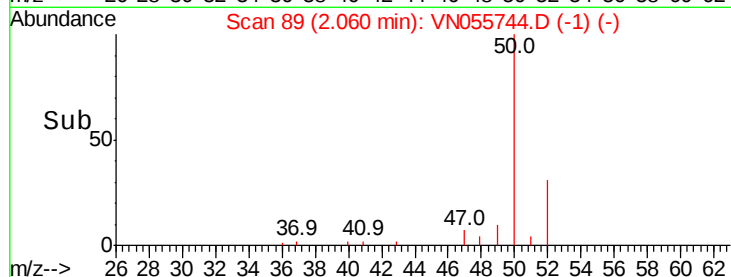
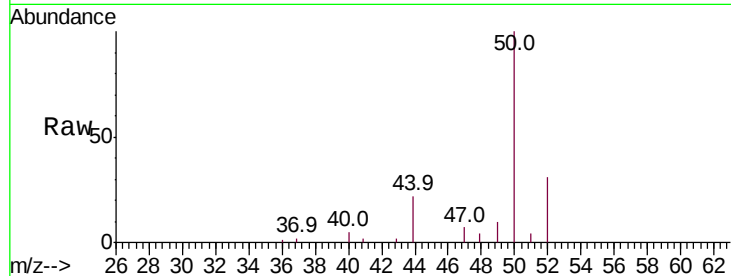
#3
Chloromethane
Concen: 4.885 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 17214
Ion Ratio Lower Upper
50 100
52 31.1 26.6 40.0

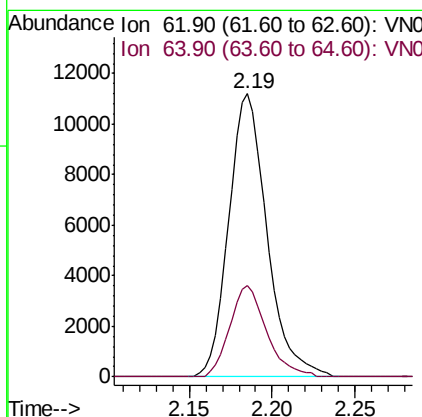
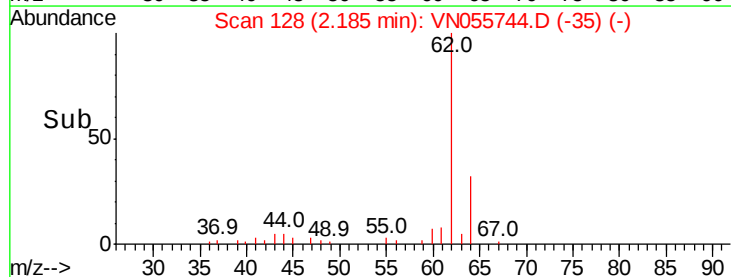
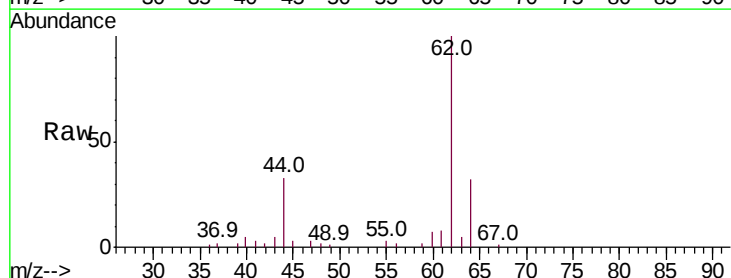
Manual Integrations
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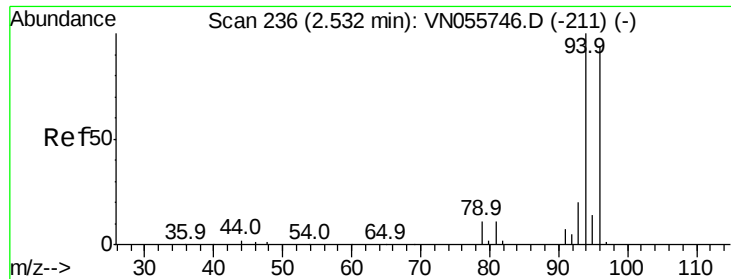
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#4
Vinyl Chloride
Concen: 4.730 ug/l
RT: 2.19 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 62 Resp: 17980
Ion Ratio Lower Upper
62 100
64 32.3 25.6 38.4





#5

Bromomethane

Concen: 5.463 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13296

Ion Ratio Lower Upper

94 100

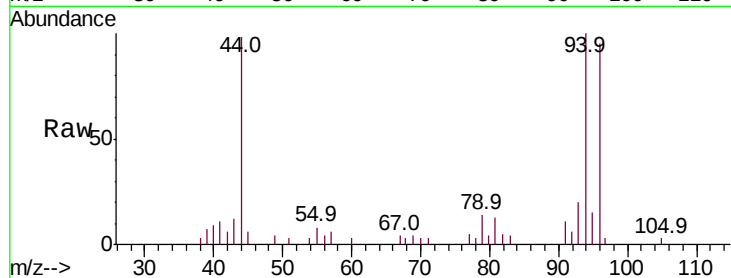
96 95.0 75.5 113.3

Manual Integrations

APPROVED

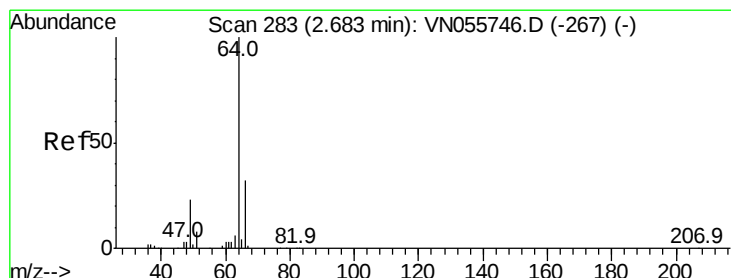
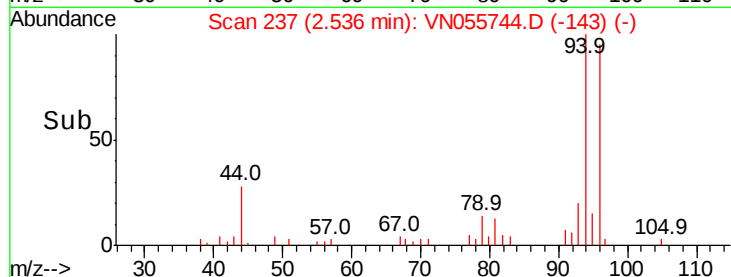
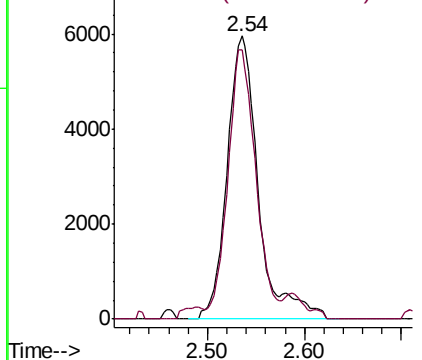
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.235 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055744.D

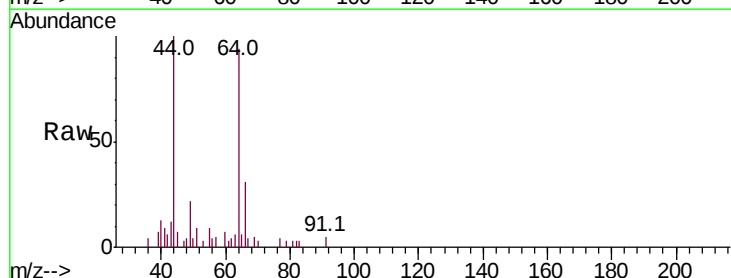
Acq: 23 May 2019 9:45

Tgt Ion: 64 Resp: 11177

Ion Ratio Lower Upper

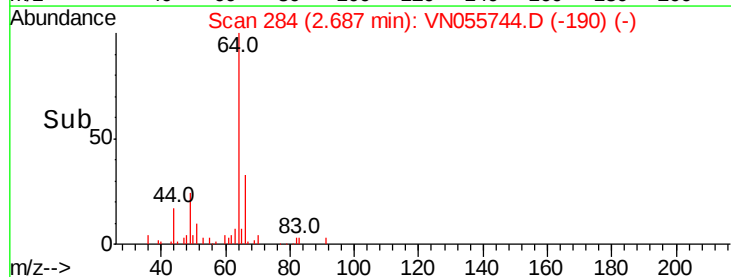
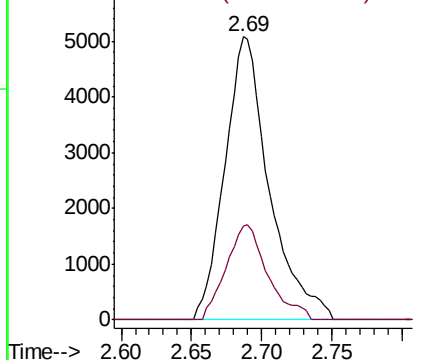
64 100

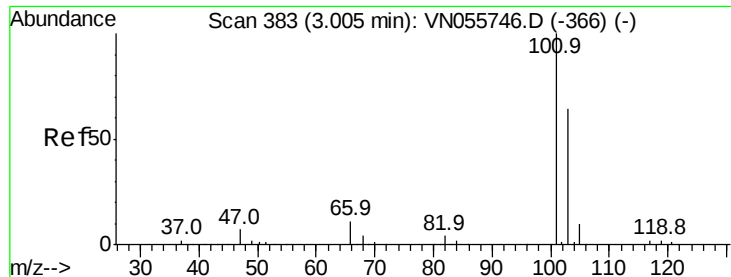
66 33.3 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 4.964 ug/l

RT: 3.01 min Scan# 384

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 24191

Ion Ratio Lower Upper

101 100

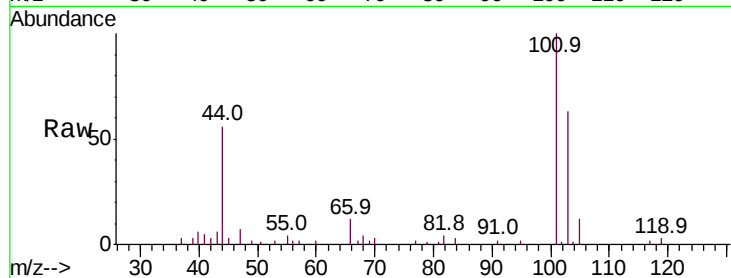
103 62.9 51.2 76.8

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5/24/2019 9:20:54 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

12000

10000

8000

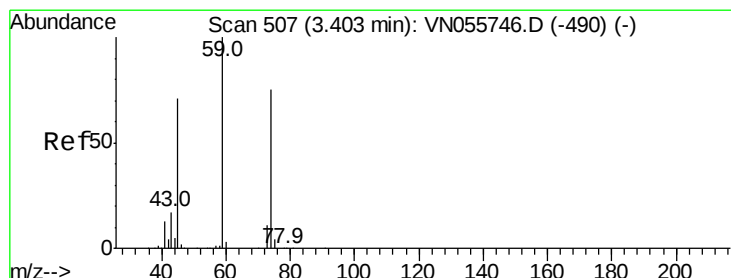
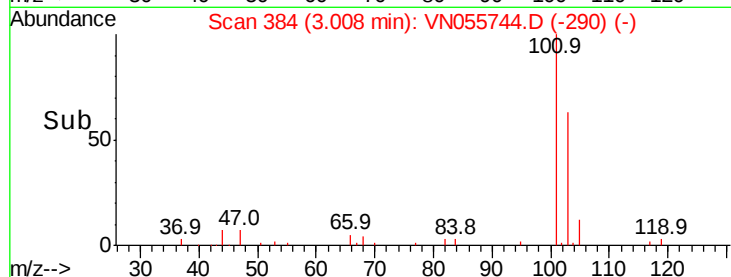
6000

4000

2000

0

Time-->



#8

Diethyl Ether

Concen: 5.258 ug/l

RT: 3.40 min Scan# 507

Delta R.T. 0.00 min

Lab File: VN055744.D

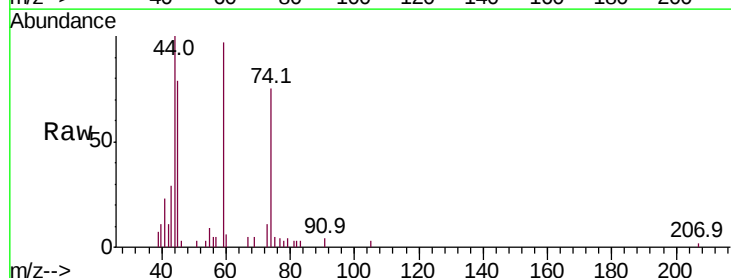
Acq: 23 May 2019 9:45

Tgt Ion: 74 Resp: 10426

Ion Ratio Lower Upper

74 100

45 105.4 48.6 145.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

6000

5000

4000

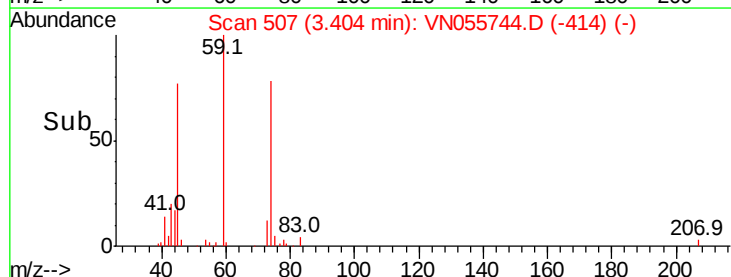
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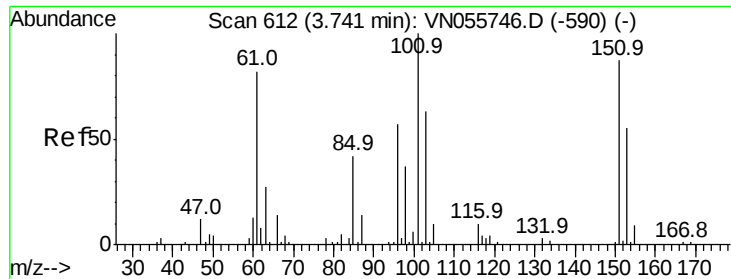
2000

1000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.934 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

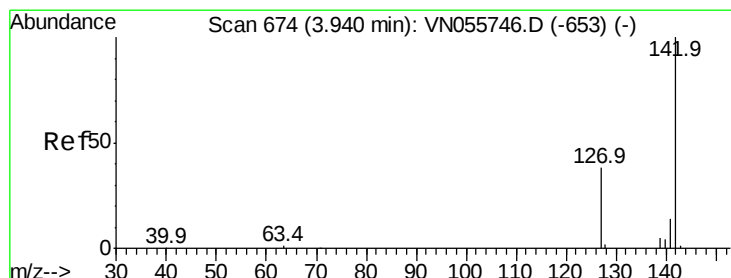
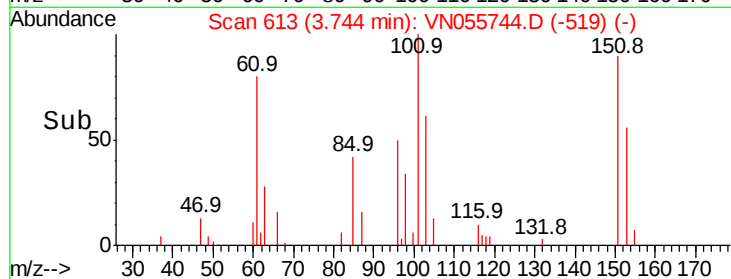
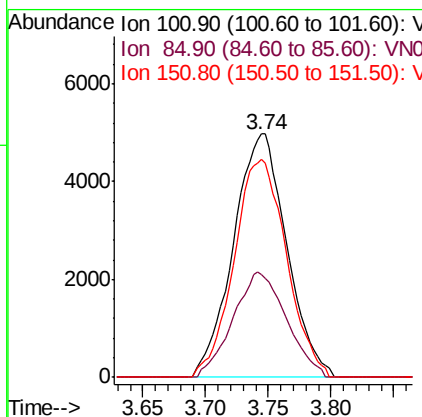
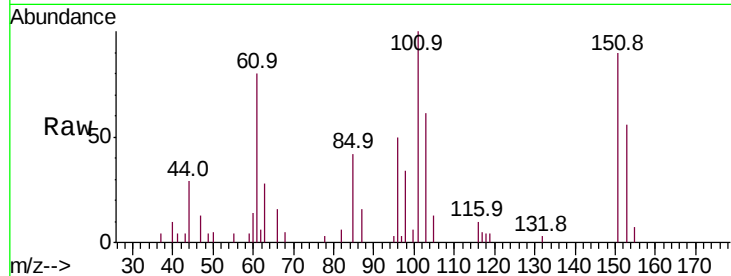
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14694
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.4	50.2
151	88.0	69.4	104.2

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#10

Methyl Iodide

Concen: 4.539 ug/l

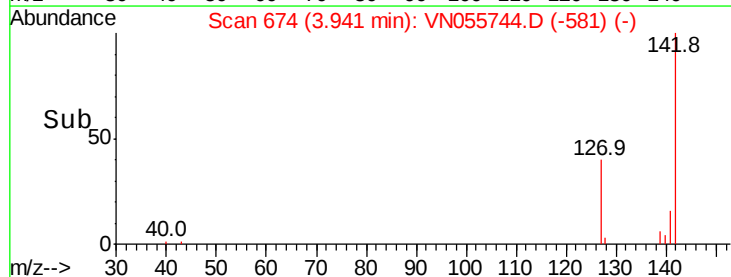
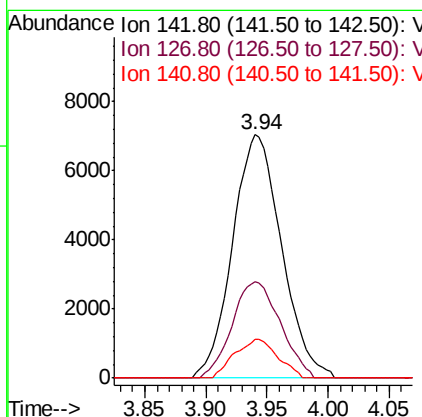
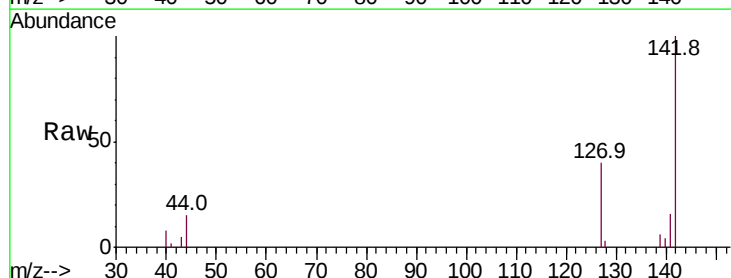
RT: 3.94 min Scan# 674

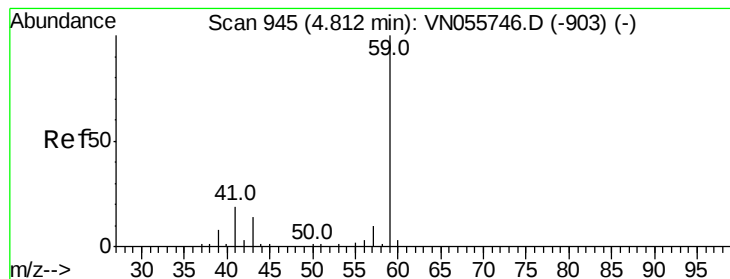
Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion:	142	Resp:	19619
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.0	46.4
141	14.0	11.4	17.0





#11

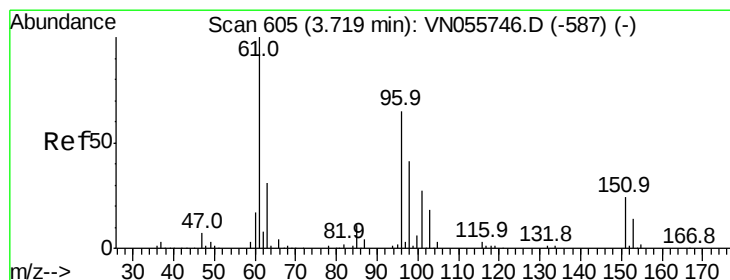
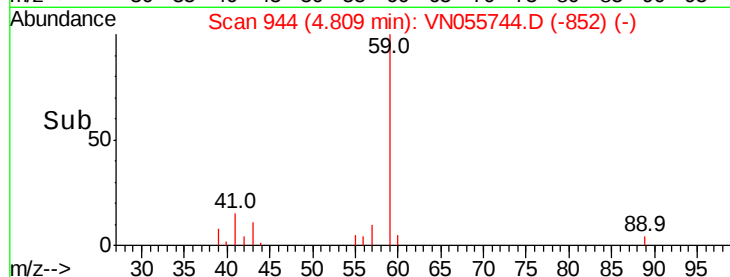
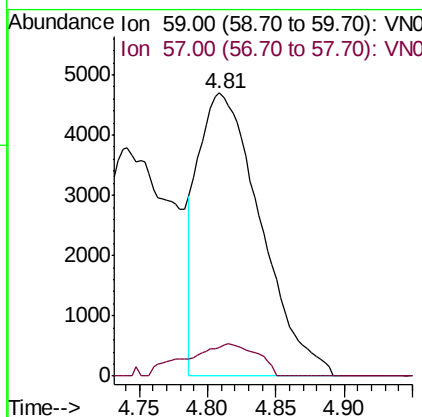
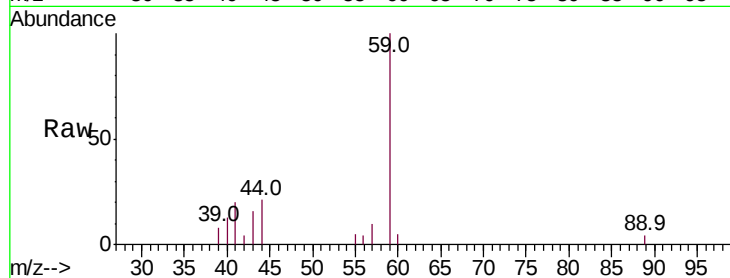
Tert butyl alcohol
 Concen: 21.208 ug/l
 RT: 4.81 min Scan# 944
 Delta R.T. -0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 59 Resp: 14980
 Ion Ratio Lower Upper
 59 100
 57 12.9 7.8 11.6#

Manual Integrations
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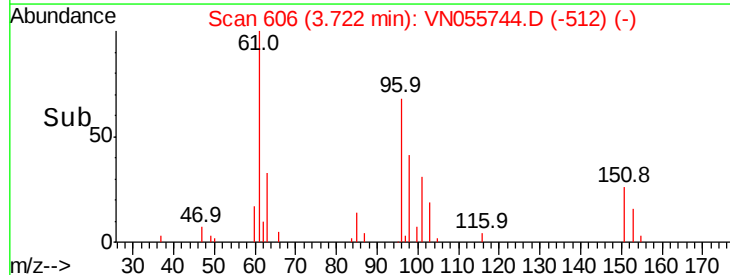
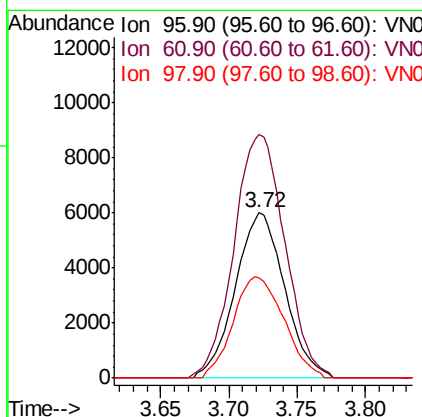
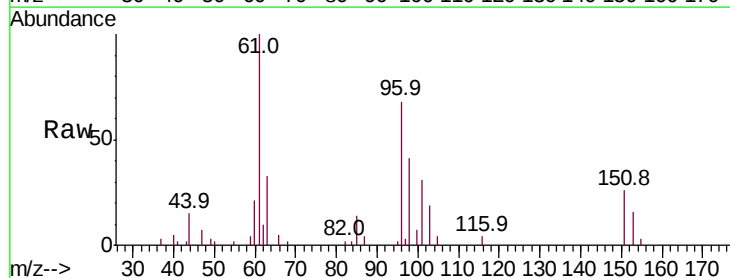
MMDadoda
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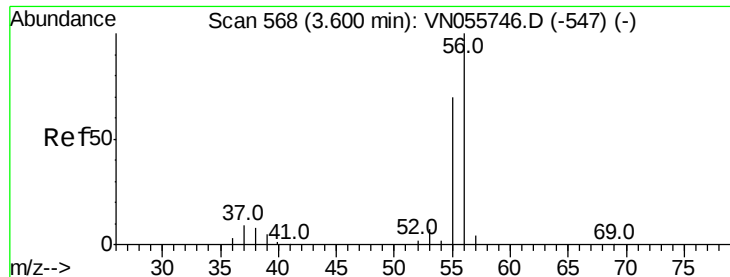


#12

1,1-Dichloroethene
 Concen: 4.814 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion: 96 Resp: 15088
 Ion Ratio Lower Upper
 96 100
 61 147.5 123.2 184.8
 98 60.9 50.4 75.6





#13

Acrolein

Concen: 35.987 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 14621

Ion Ratio Lower Upper

56 100

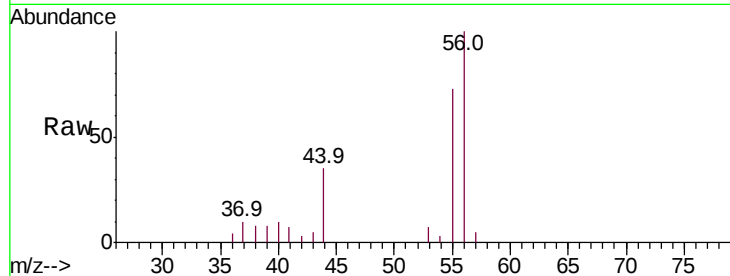
55 67.1 55.4 83.2

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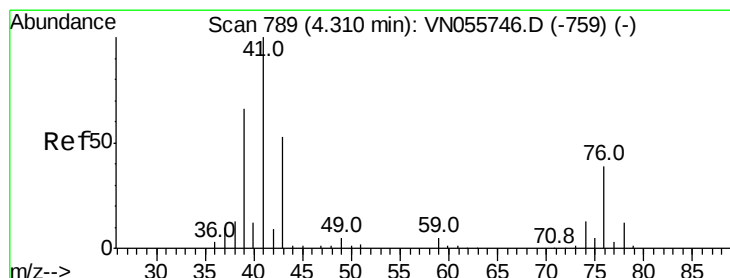
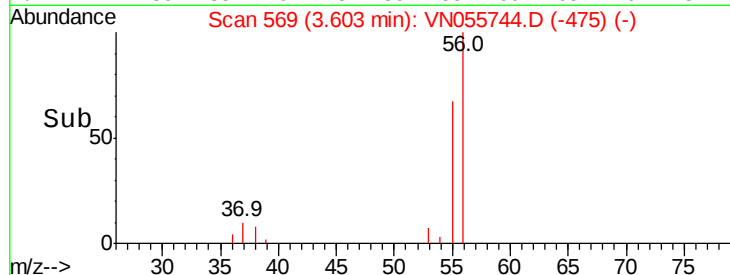
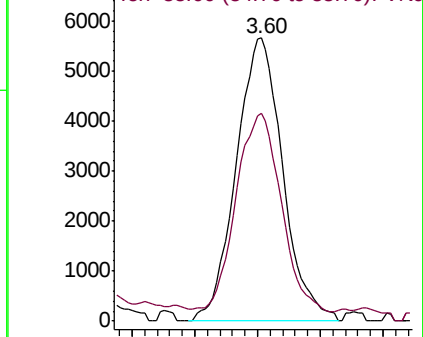
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 4.956 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

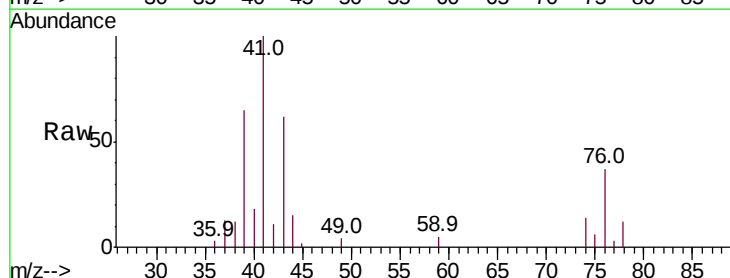
Tgt Ion: 41 Resp: 25111

Ion Ratio Lower Upper

41 100

39 67.9 50.0 75.0

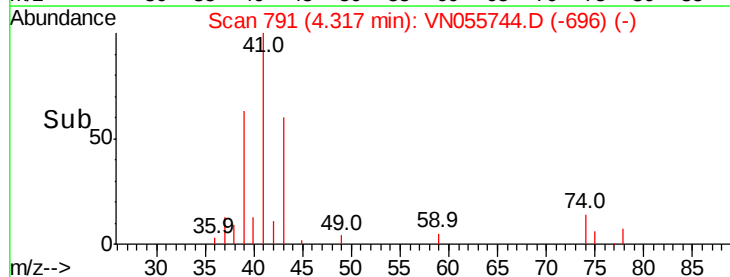
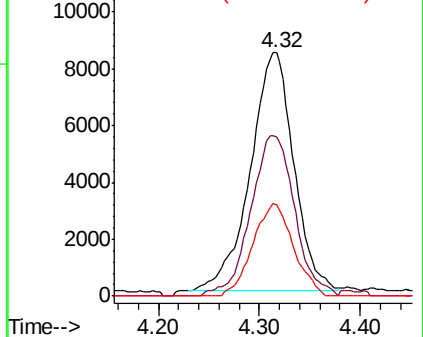
76 36.0 28.2 42.2

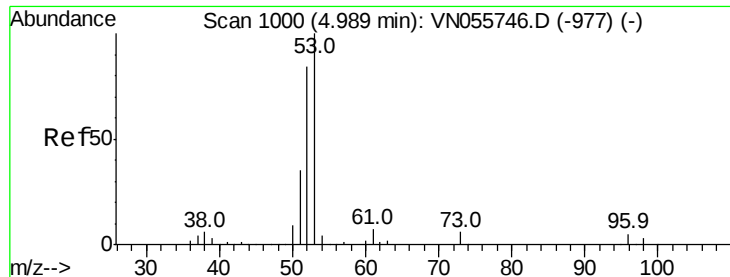


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 24.244 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

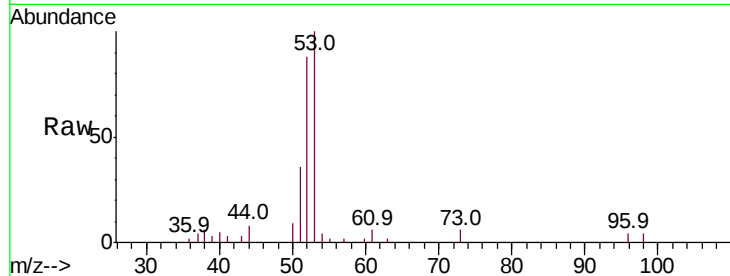
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	38041
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.8	98.8
51	35.9	28.2	42.4

Manual Integrations
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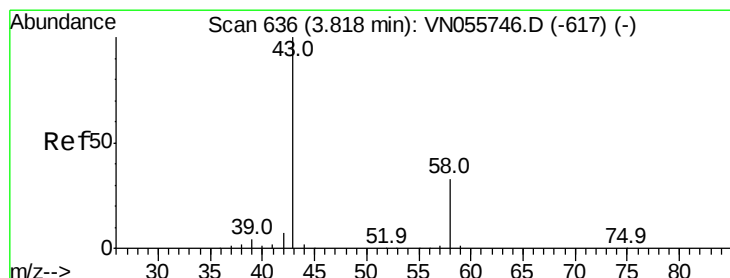
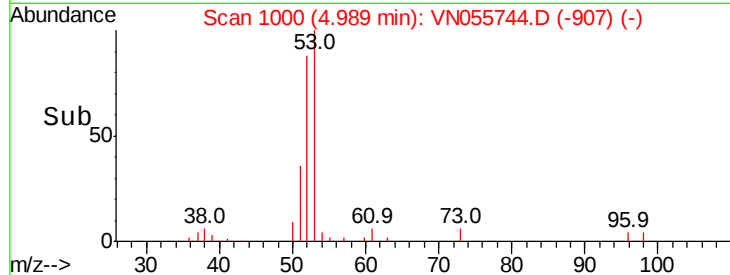
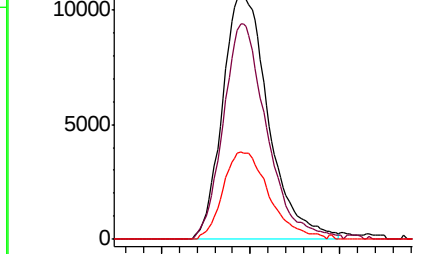
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Abundance Ion 53.00 (52.70 to 53.70): VN055744.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN055744.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN055744.D (-977) (-)



#16

Acetone

Concen: 24.761 ug/l

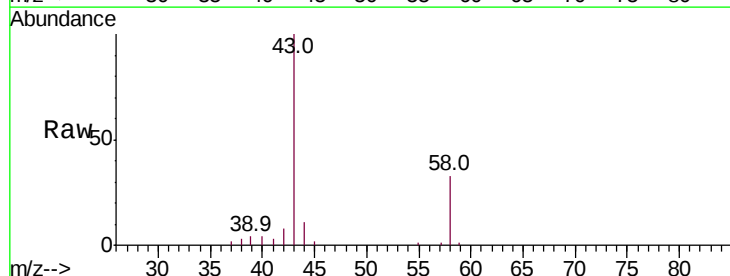
RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055744.D

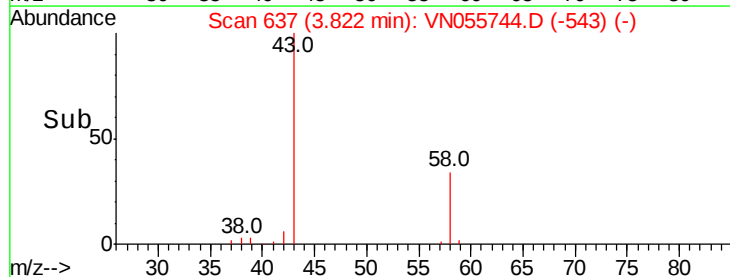
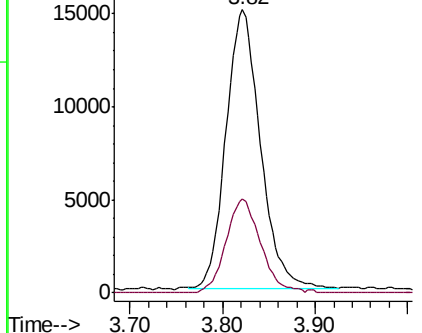
Acq: 23 May 2019 9:45

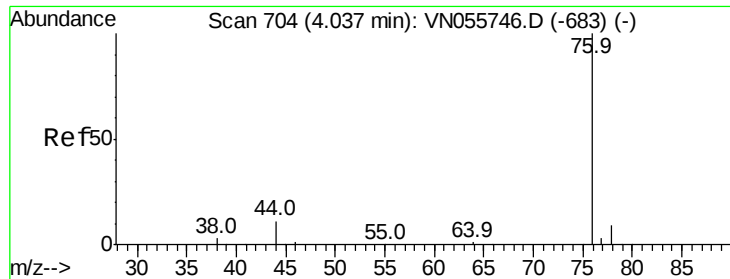
Tgt Ion:	43	Resp:	38409
Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.6	39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055744.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055744.D (-543) (-)





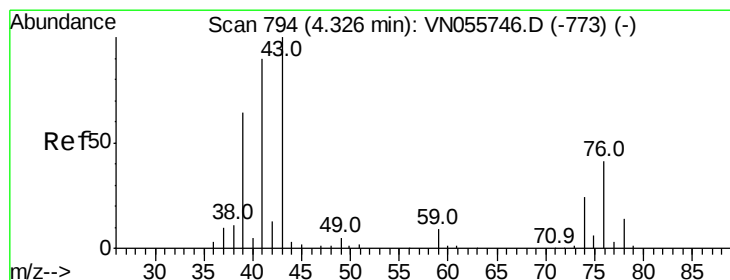
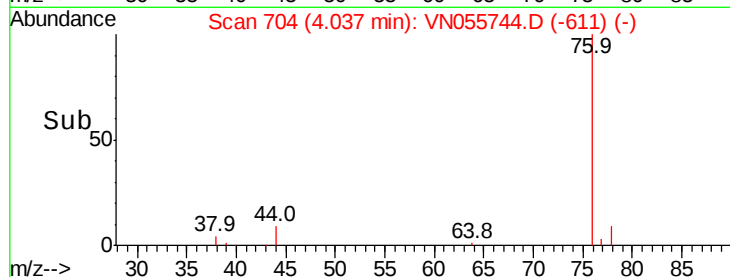
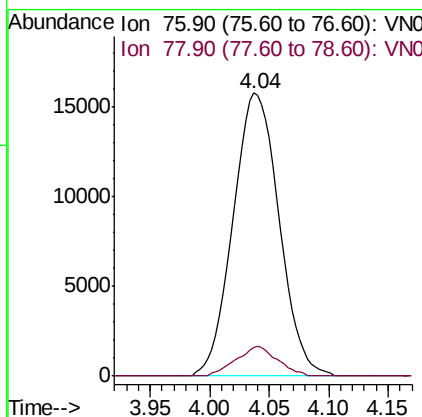
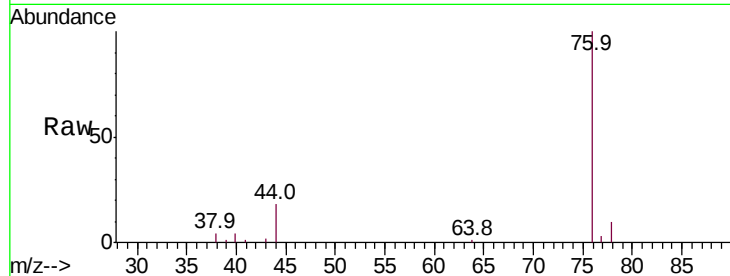
#17
Carbon Disulfide
Concen: 4.854 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 42268
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.2

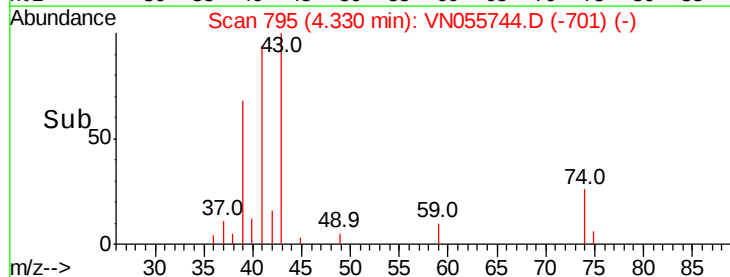
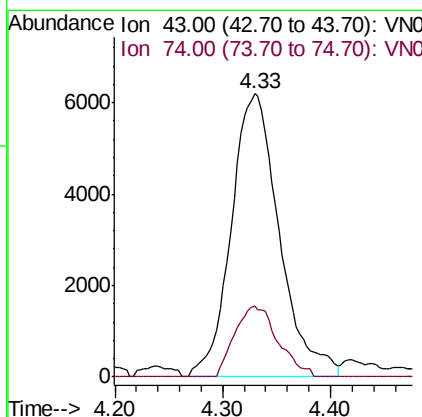
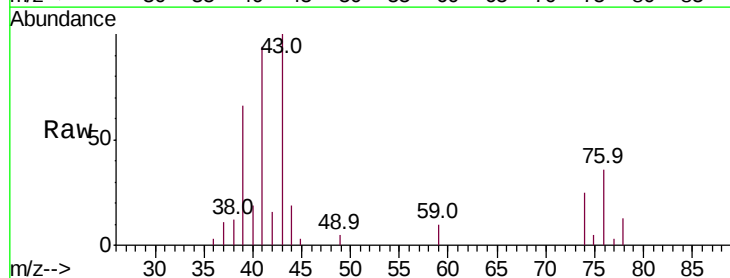
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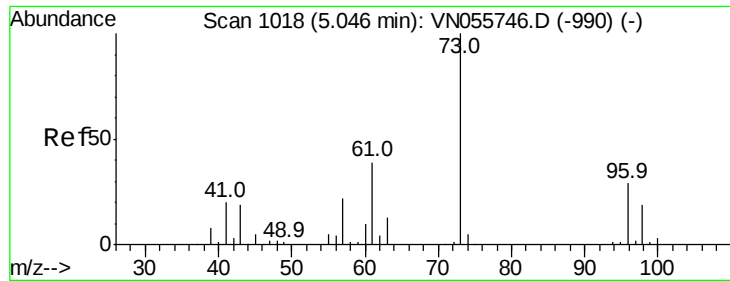
MMDadoda
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#18
Methyl Acetate
Concen: 5.803 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 43 Resp: 19244
Ion Ratio Lower Upper
43 100
74 22.3 19.3 28.9





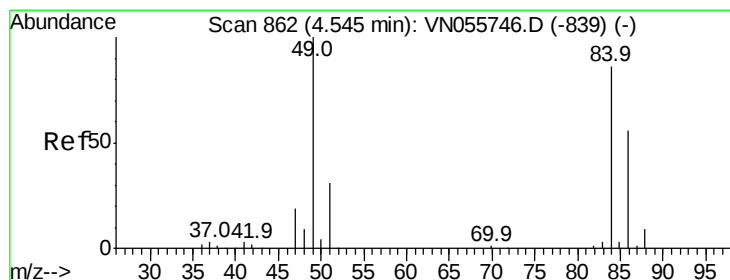
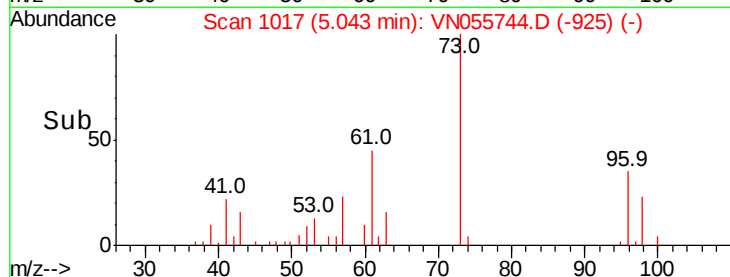
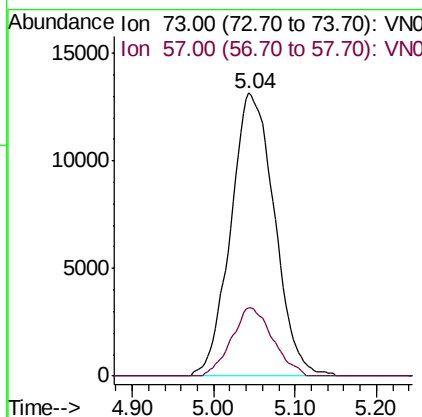
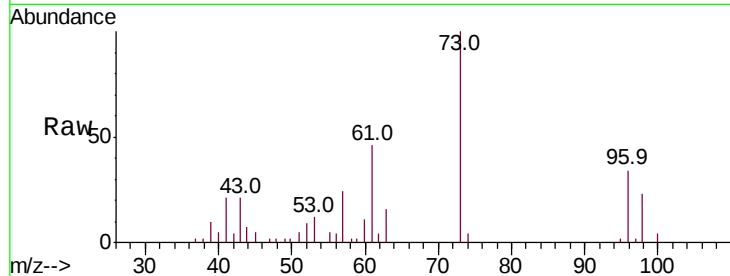
#19
Methvl tert-butvl Ether
Concen: 4.735 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 48972
Ion Ratio Lower Upper
73 100
57 24.0 17.8 26.8

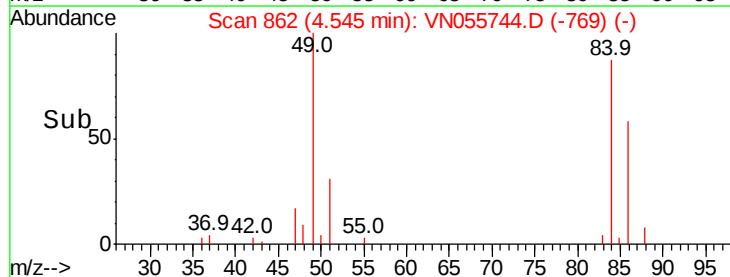
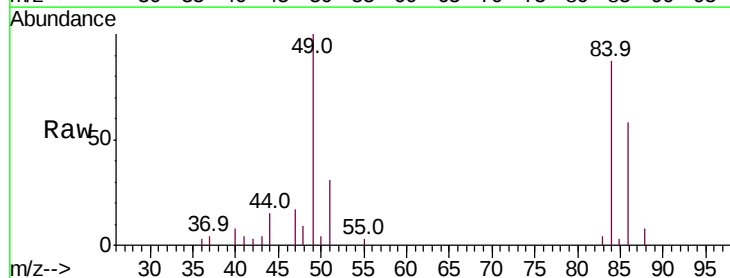
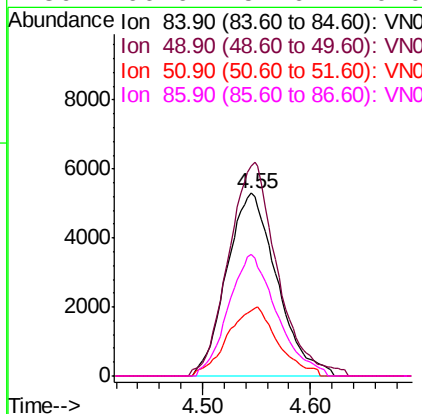
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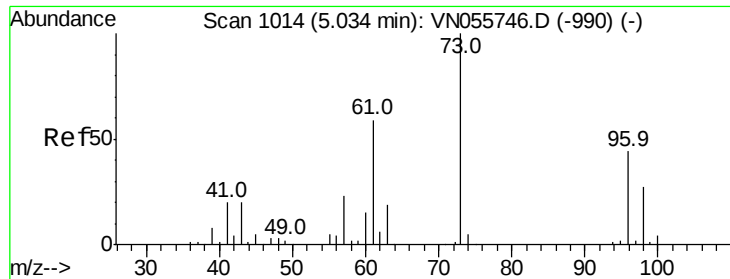
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#20
Methylene Chloride
Concen: 4.903 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 84 Resp: 17206
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 35.8 28.6 43.0
86 66.6 52.6 79.0





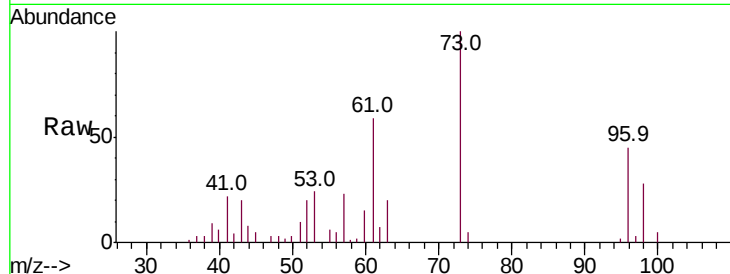
#21
trans-1,2-Dichloroethene
Concen: 4.717 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	107.8	161.8
98	62.1	49.8	74.8

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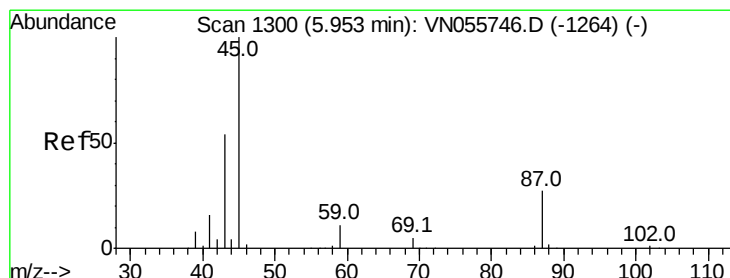
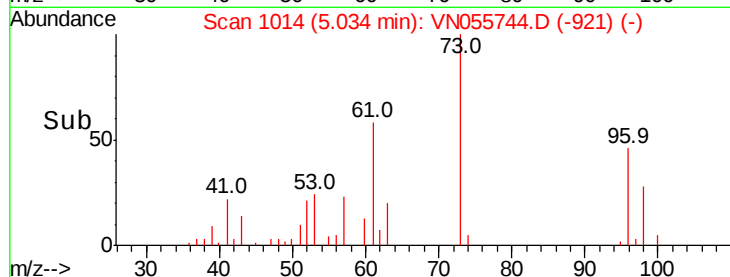
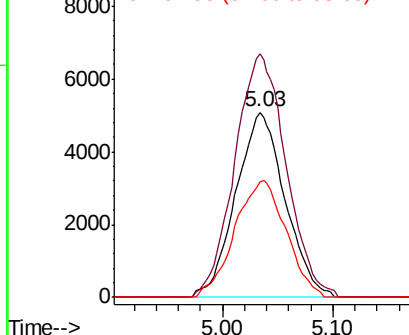


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 4.995 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	45.0	67.6
87	29.8	22.2	33.4
59	12.2	9.1	13.7

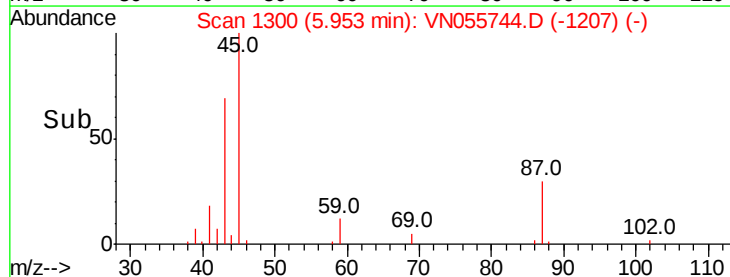
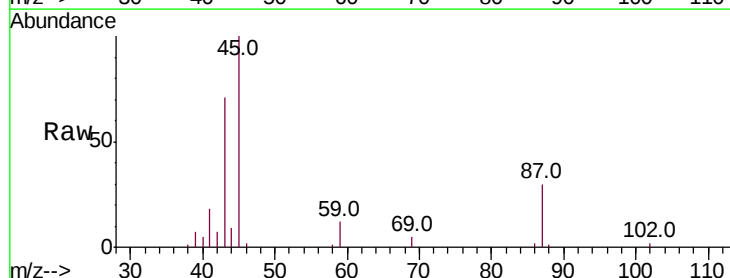
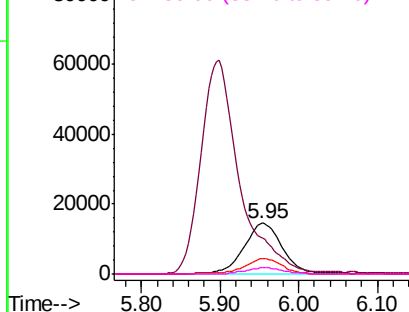
Abundance

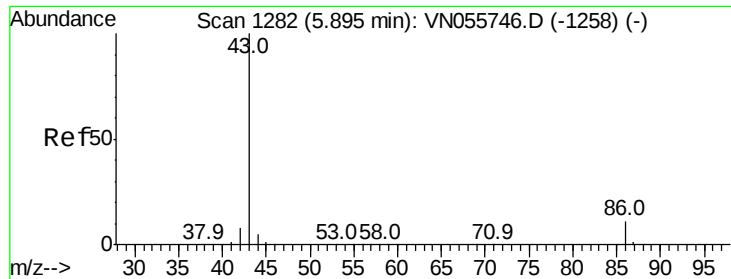
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





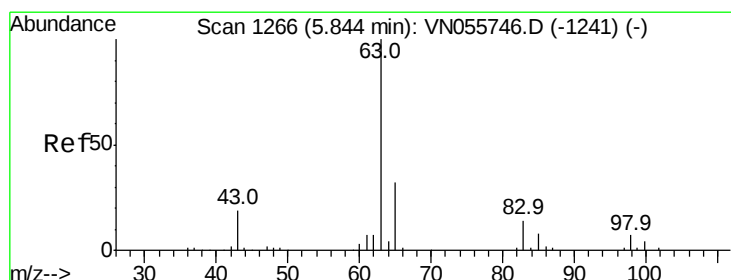
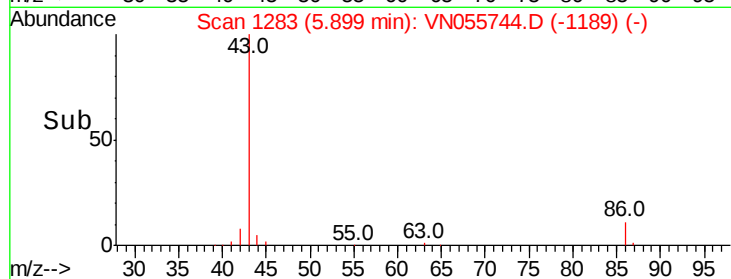
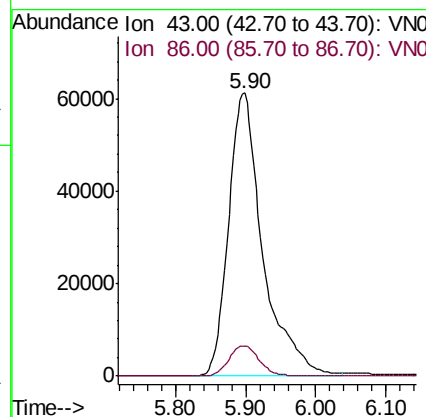
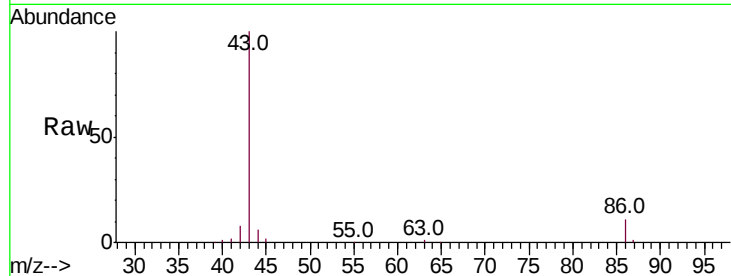
#23
 Vinyl Acetate
 Concen: 24.339 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.6	13.0

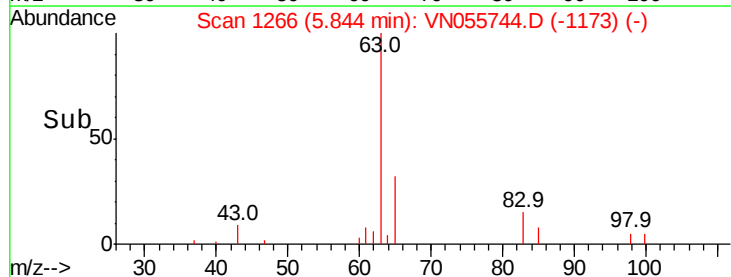
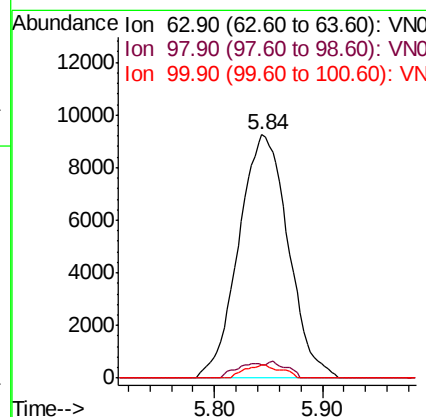
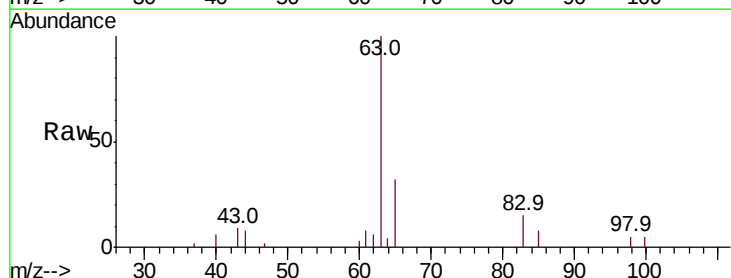
Manual Integrations
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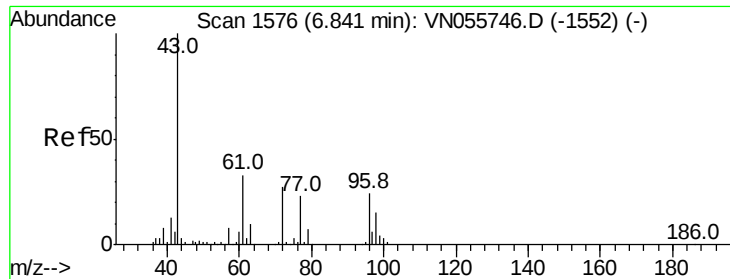
MMDadoda
 5/24/2019 9:20:54 AM



#24
 1,1-Dichloroethane
 Concen: 5.030 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.4	3.4	10.1
100	5.4	2.2	6.6





#25

2-Butanone

Concen: 24.919 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 53867

Ion Ratio Lower Upper

43 100

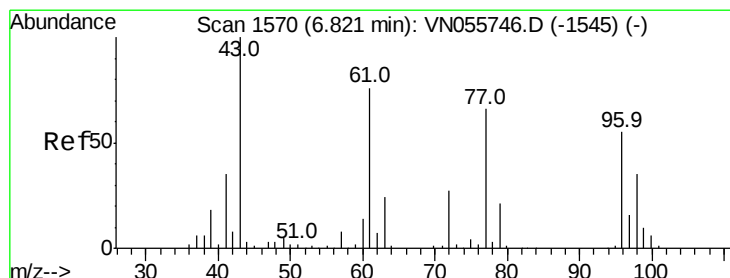
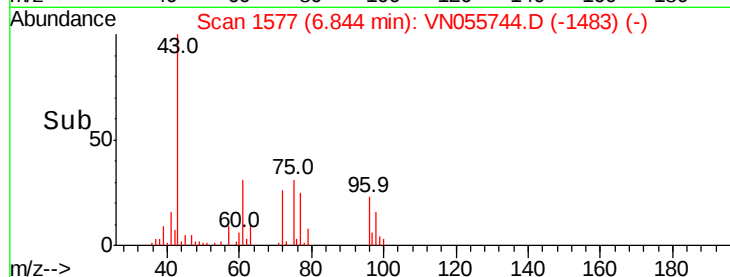
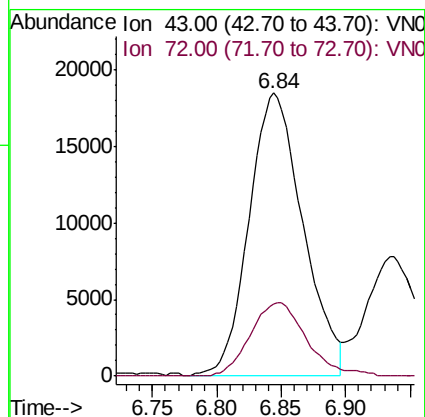
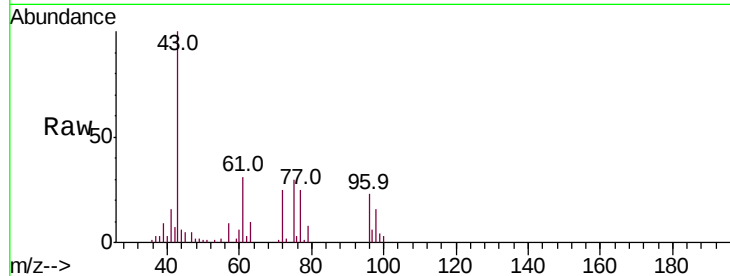
72 25.4 21.9 32.9

Manual Integrations

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MMDadoda

5/24/2019 9:20:54 AM



#26

2,2-Dichloropropane

Concen: 4.920 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055744.D

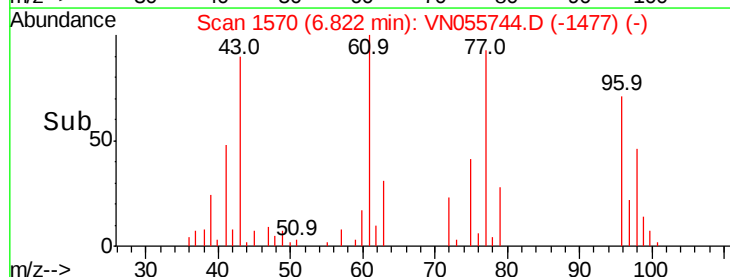
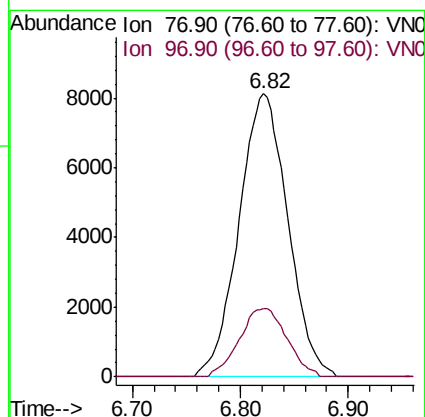
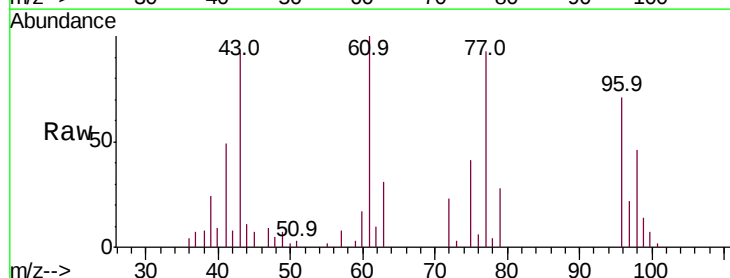
Acq: 23 May 2019 9:45

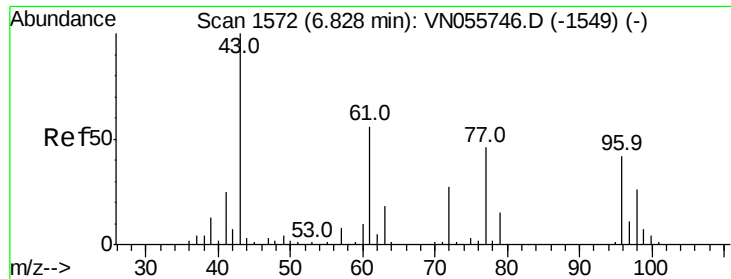
Tgt Ion: 77 Resp: 25569

Ion Ratio Lower Upper

77 100

97 23.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 4.851 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055744.D

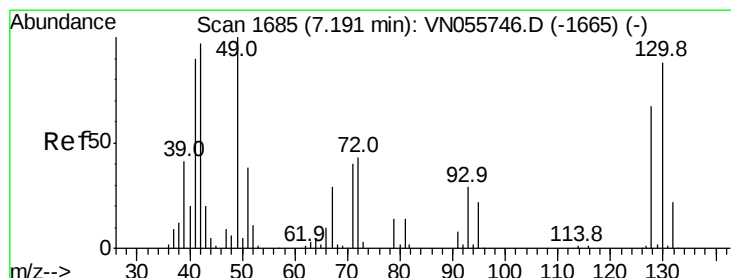
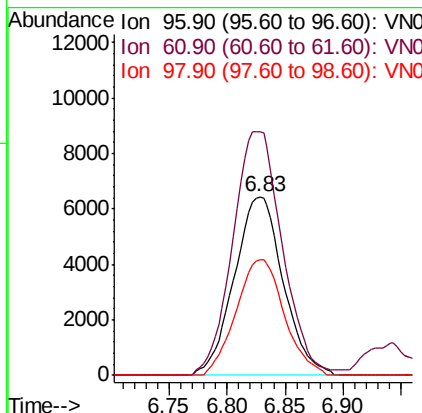
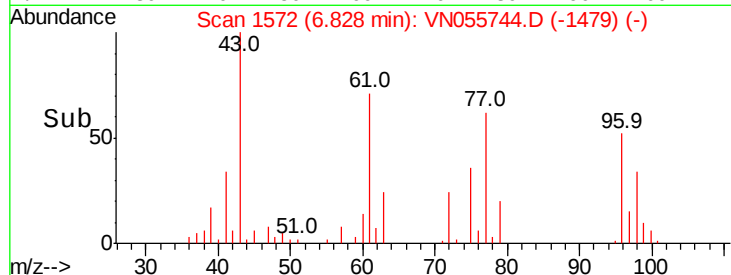
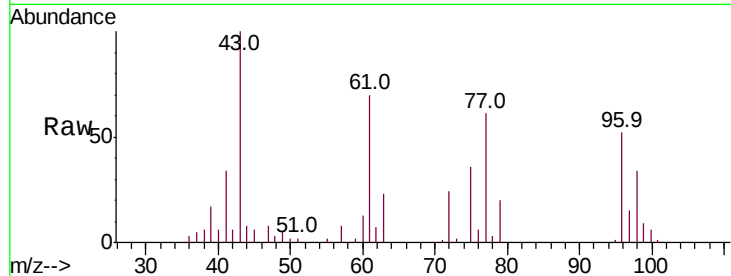
Acq: 23 May 2019 9:45

Tot Ion:	96	Resp:	18900
Ion	Ratio	Lower	Upper
96	100		
61	138.1	0.0	275.8
98	63.7	0.0	128.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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#28

Bromochloromethane

Concen: 4.949 ug/l

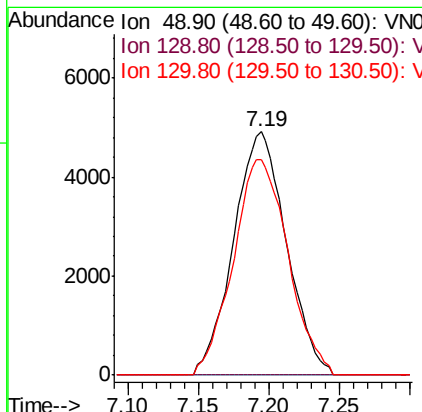
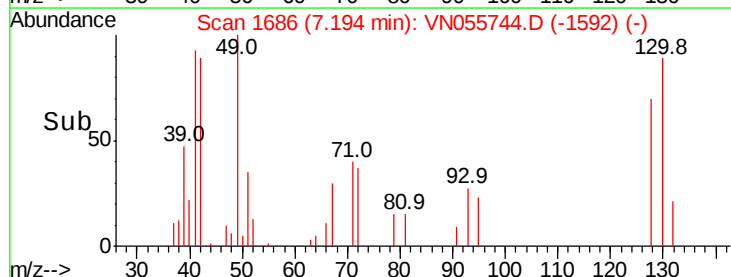
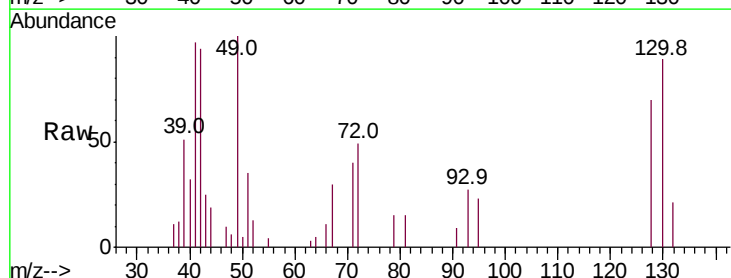
RT: 7.19 min Scan# 1686

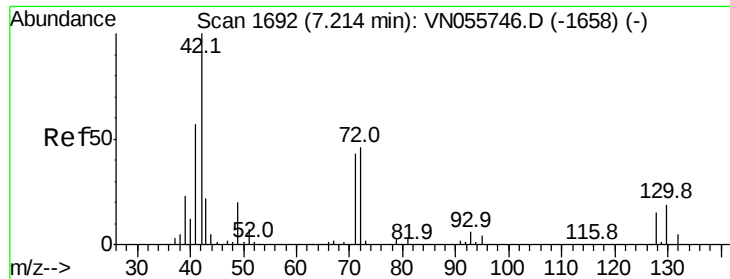
Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion:	49	Resp:	12824
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	92.0	71.2	106.8





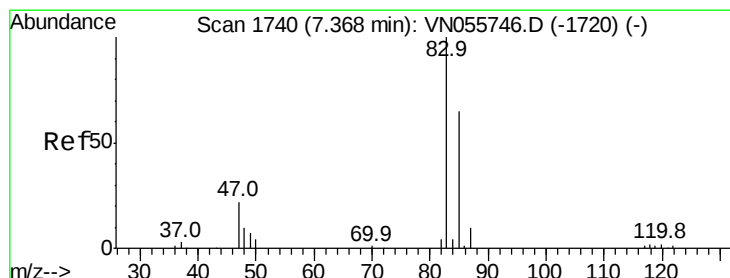
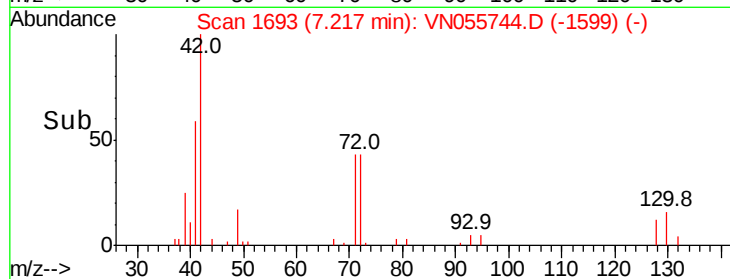
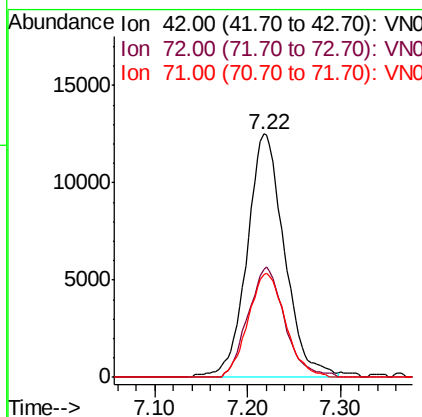
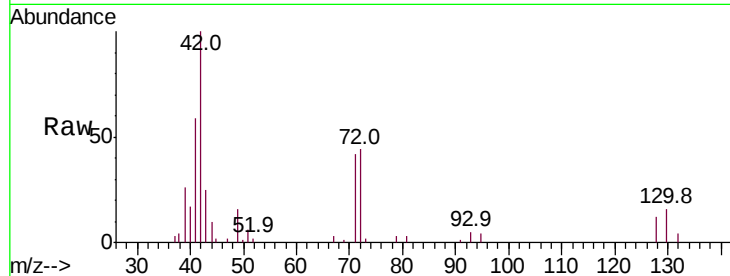
#29
Tetrahydrofuran
Concen: 24.567 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.9	53.9
71	42.4	34.0	51.0

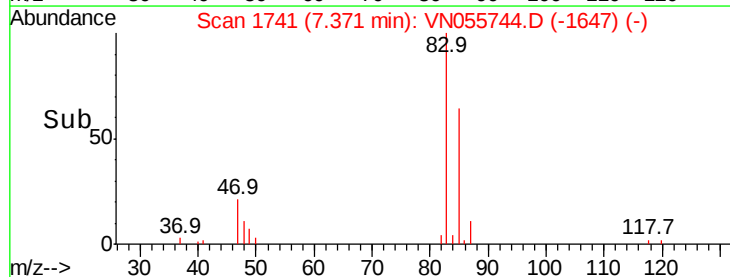
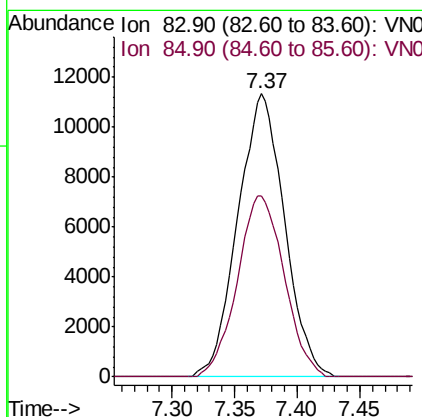
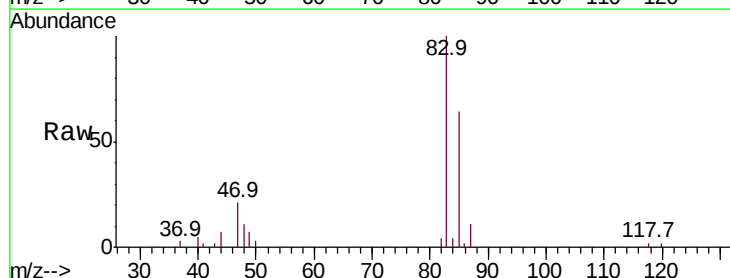
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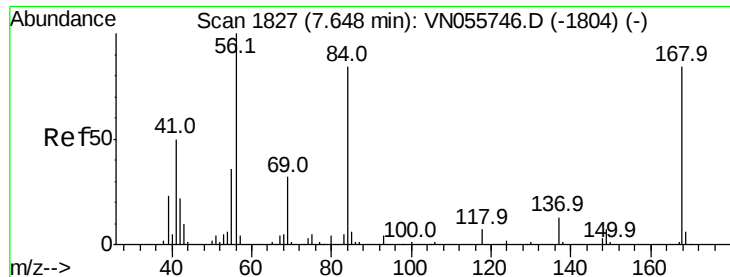
MMDadoda
5/24/2019 9:20:54 AM



#30
Chloroform
Concen: 4.850 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.8





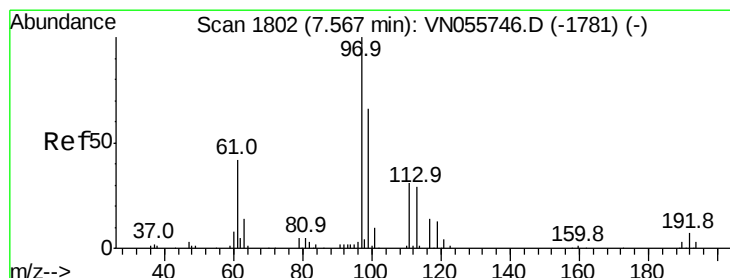
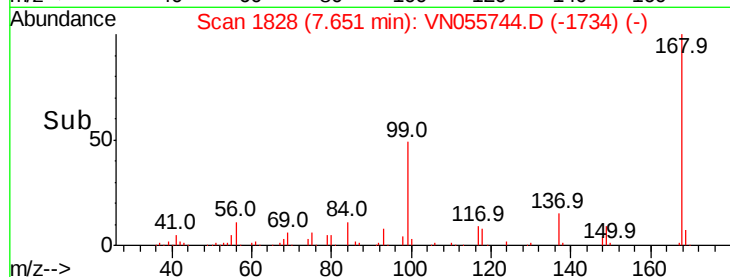
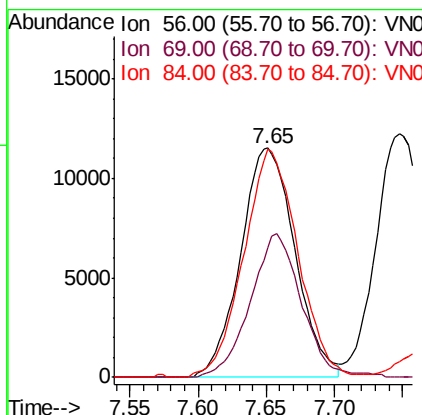
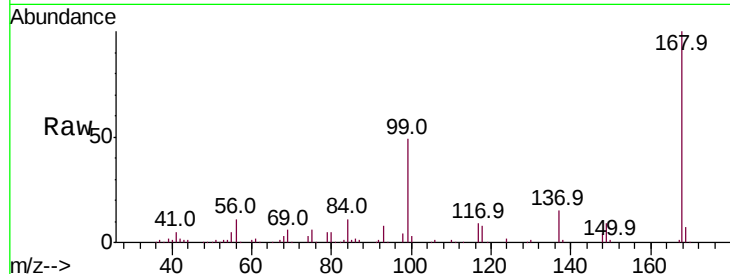
#31
Cyclohexane
Concen: 5.703 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	56	Ratio	100	Resp	31926
Ion	56	100		Lower	Upper
	69	56.6		25.6	38.4#
	84	99.4		67.4	101.0

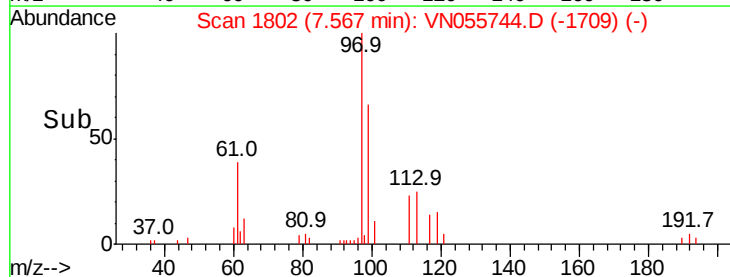
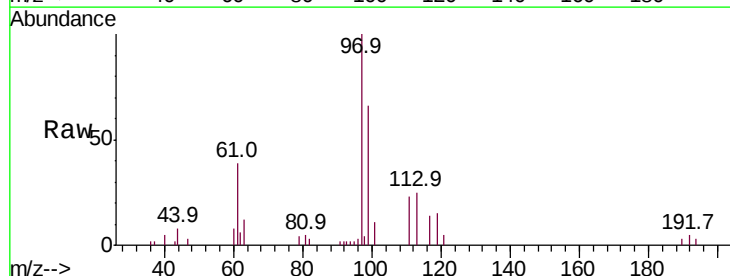
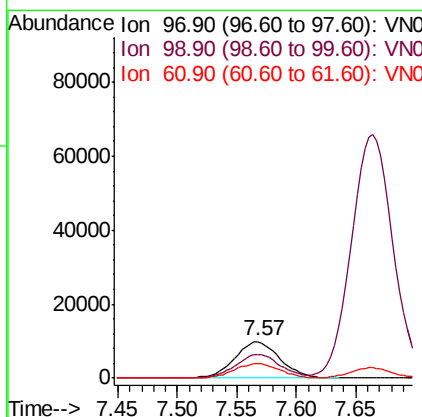
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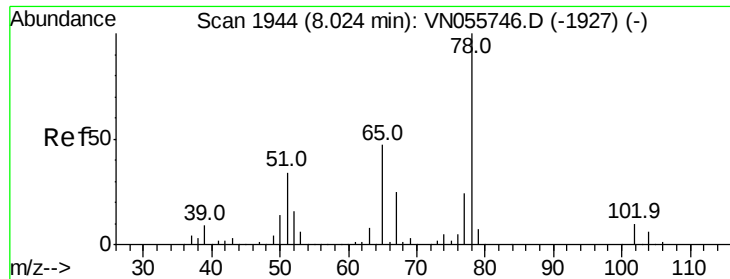
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.777 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	97	Ratio	100	Resp	25849
Ion	97	100		Lower	Upper
	99	64.4		52.0	78.0
	61	39.6		32.9	49.3





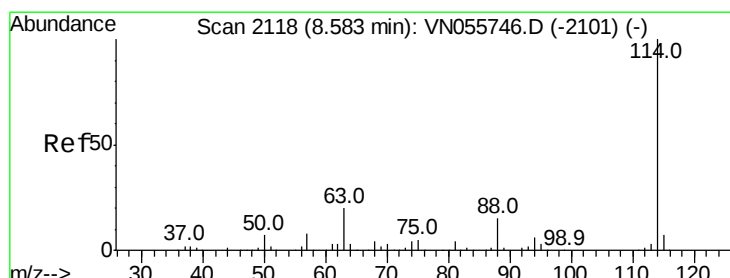
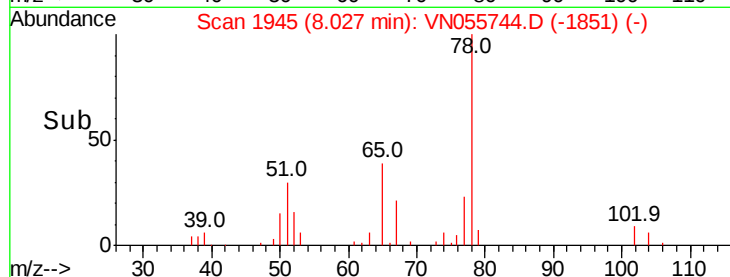
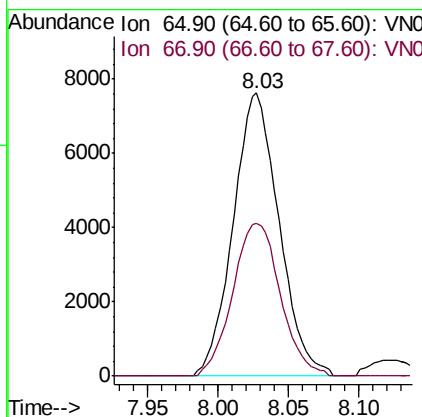
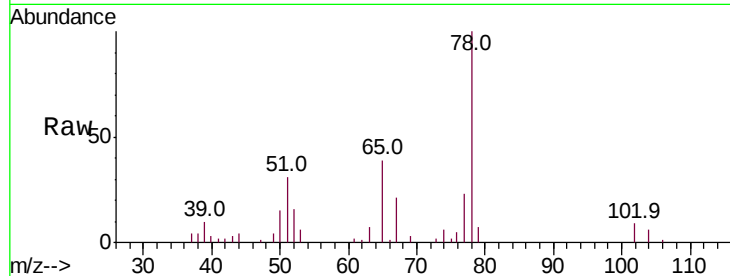
#33
 1,2-Dichloroethane-d4
 Concen: 4.621 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	109.2

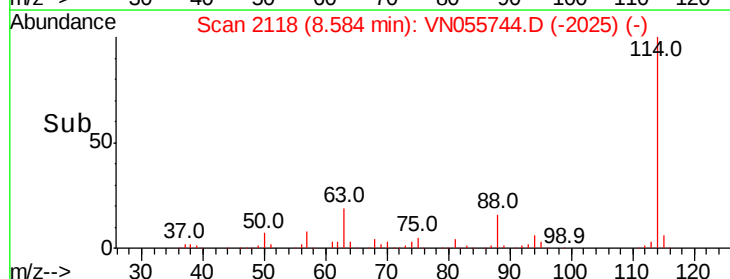
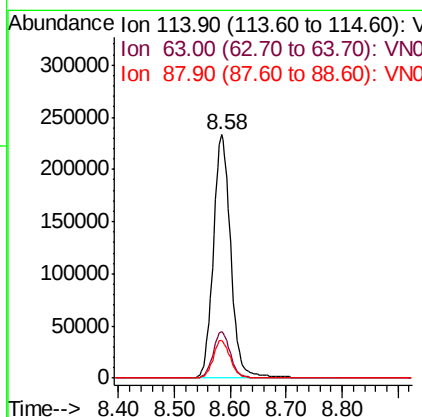
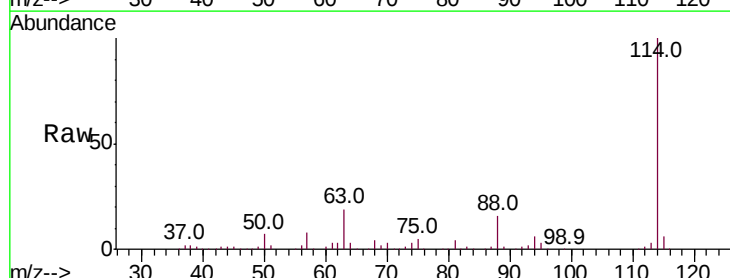
Manual Integrations
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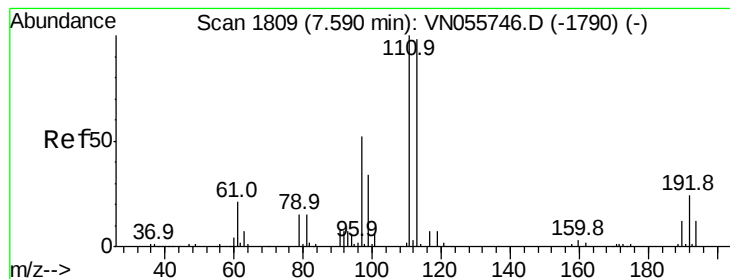
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.2
88	15.5	0.0	31.0





#35

Dibromofluoromethane

Concen: 4.736 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

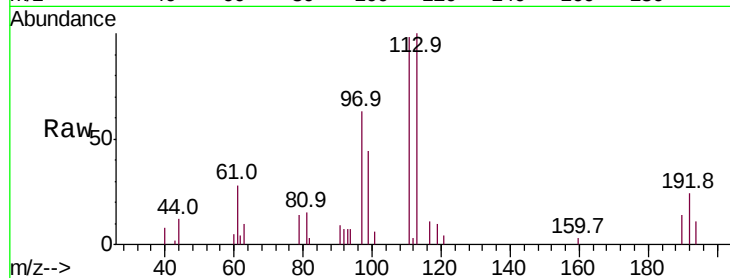
ClientSampleId :

VSTDIC005

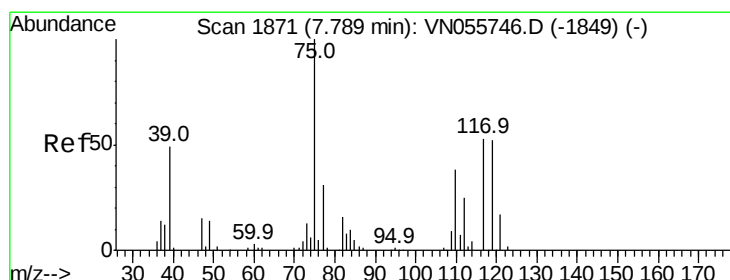
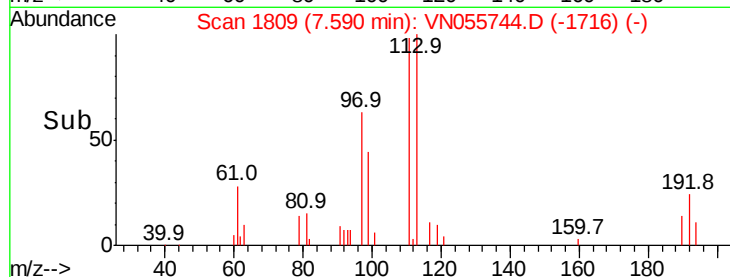
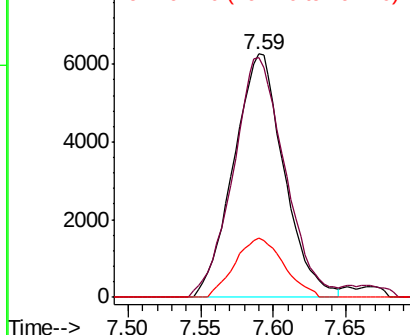
Tot Ion:	113	Resp:	15168
Ion Ratio	Lower	Upper	
113	100		
111	101.1	81.9	122.9
192	23.6	19.5	29.3

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



#36

1,1-Dichloropropene

Concen: 4.860 ug/l

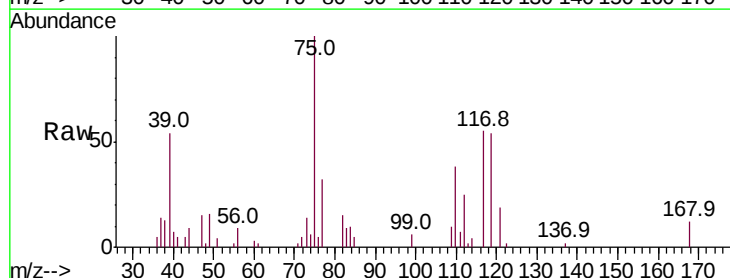
RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

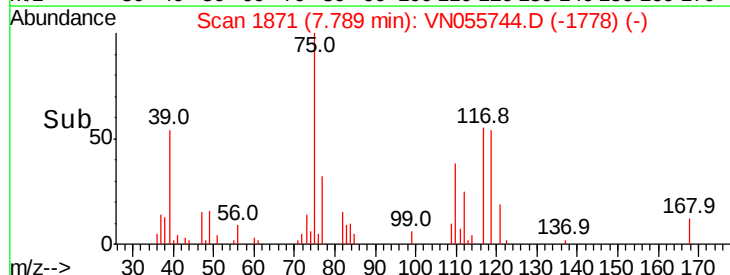
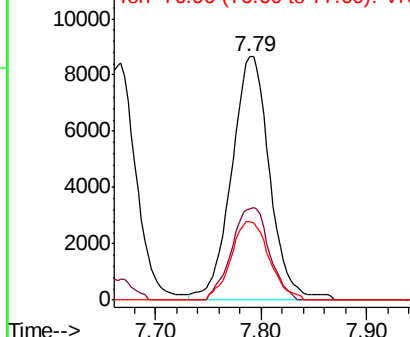
Lab File: VN055744.D

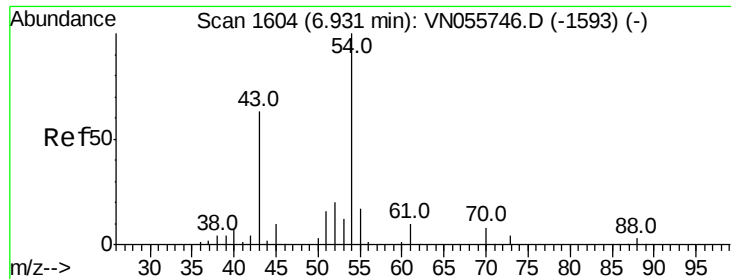
Acq: 23 May 2019 9:45

Tgt Ion:	75	Resp:	21769
Ion Ratio	Lower	Upper	
75	100		
110	37.3	19.0	57.0
77	32.2	25.1	37.7



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





#37

Ethyl Acetate

Concen: 5.123 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055744.D

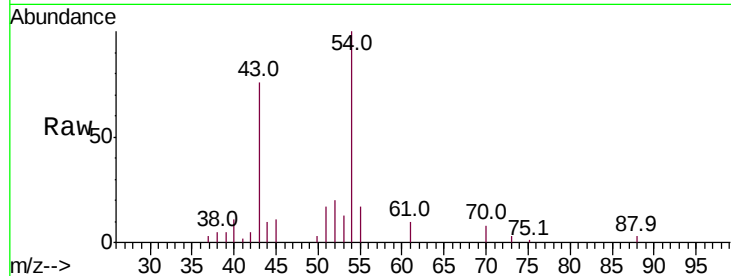
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	11.2	8.9	13.3

Manual Integrations
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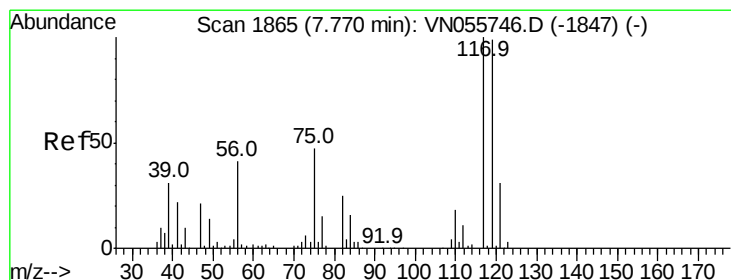
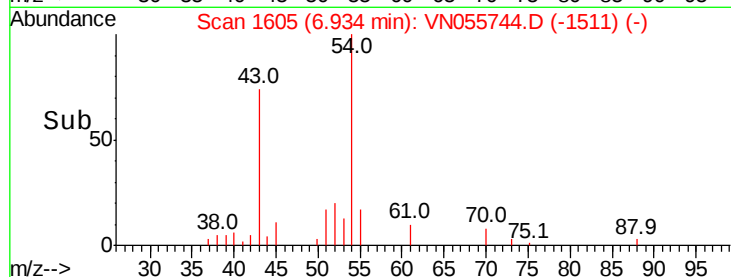
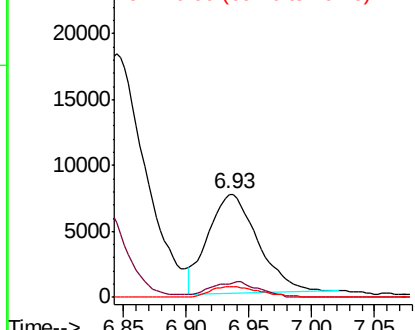


Abundance

Ion 43.00 (42.70 to 43.70): VN055746.D (-1593) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1593) (-)

Ion 70.00 (69.70 to 70.70): VN055746.D (-1593) (-)



#38

Carbon Tetrachloride

Concen: 4.703 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

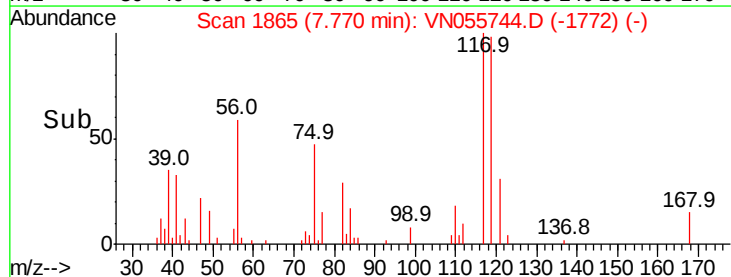
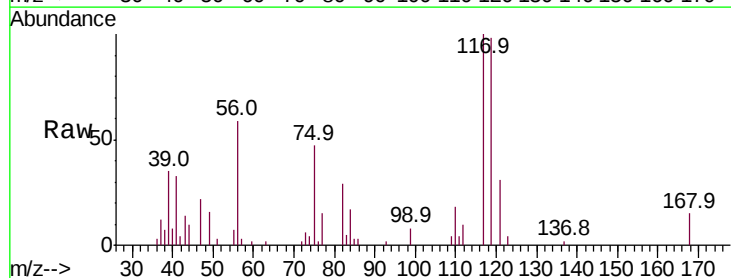
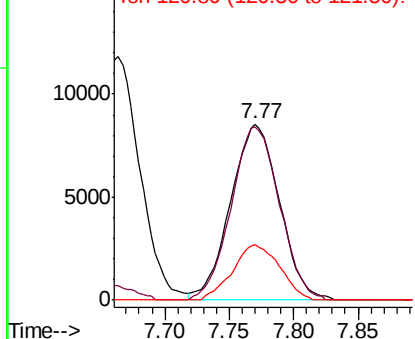
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	79.0	118.6
121	31.3	24.7	37.1

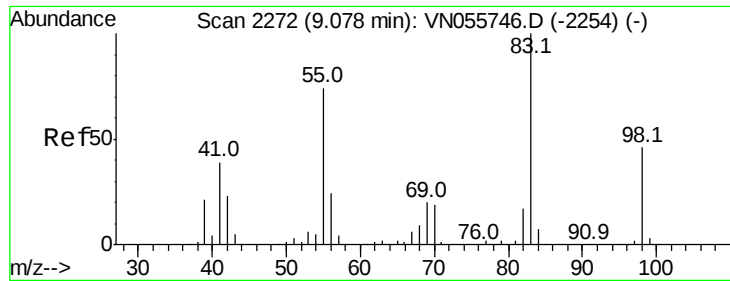
Abundance

Ion 116.80 (116.50 to 117.50): VN055746.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055746.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055746.D (-1847) (-)





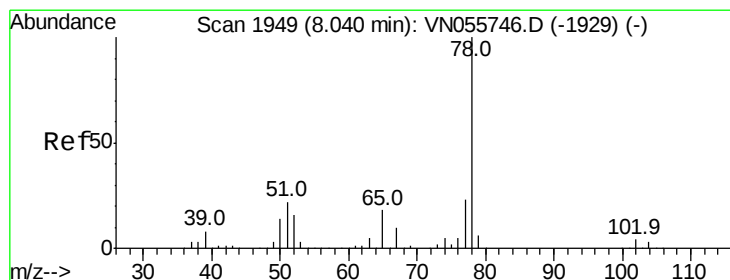
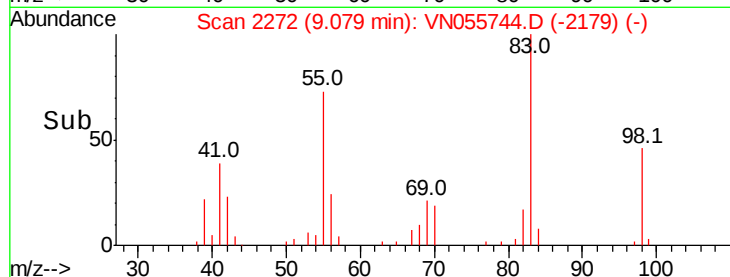
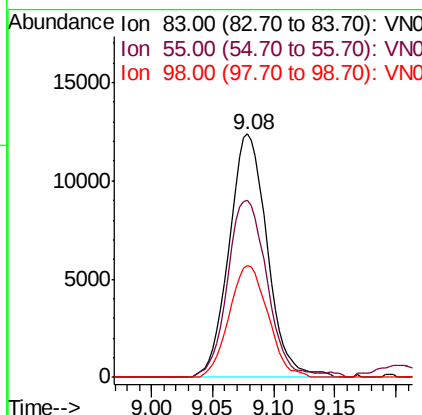
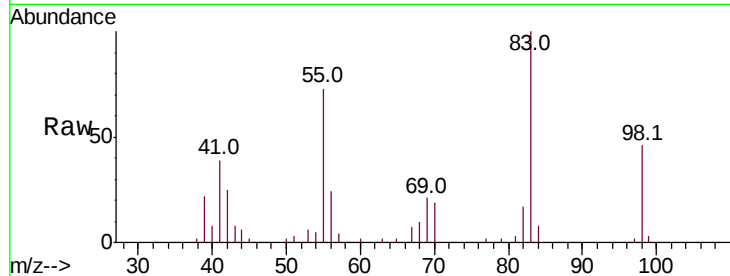
#39
Methvlcvclohexane
Concen: 4.947 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.3	88.9
98	45.9	36.6	54.8

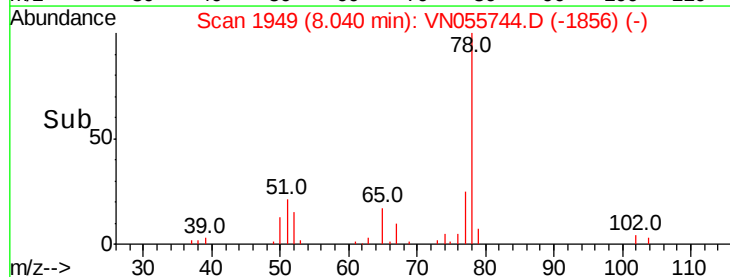
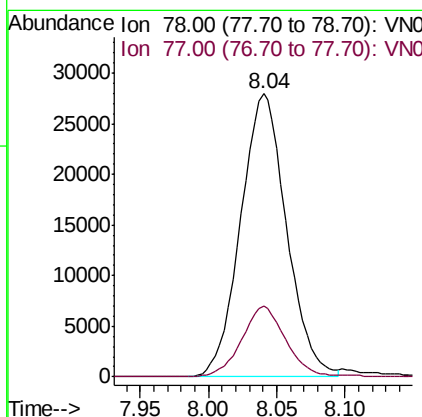
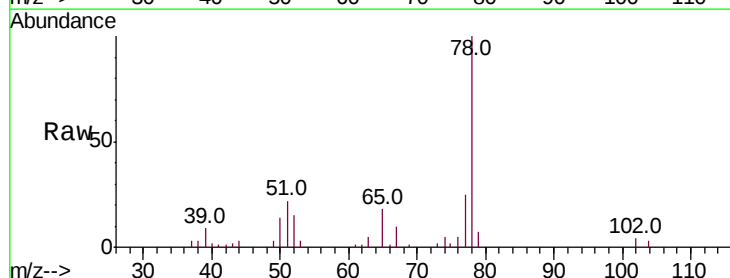
Manual Integrations
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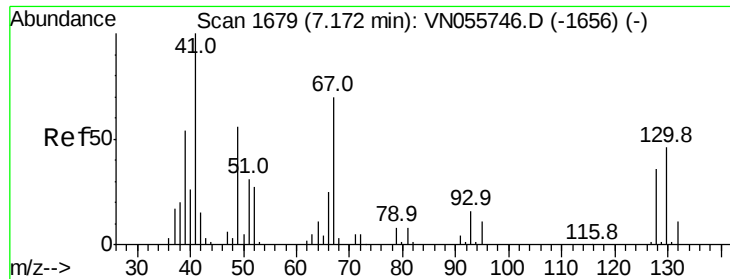
MMDadoda
5/24/2019 9:20:54 AM



#40
Benzene
Concen: 4.923 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.8	28.2





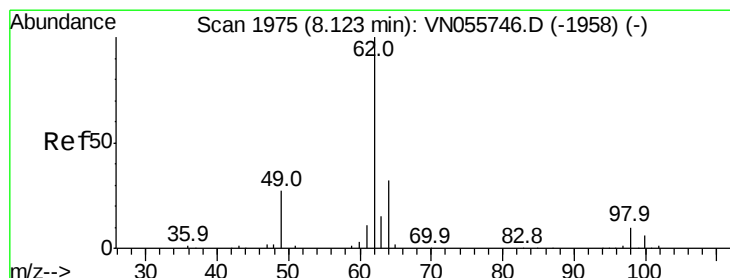
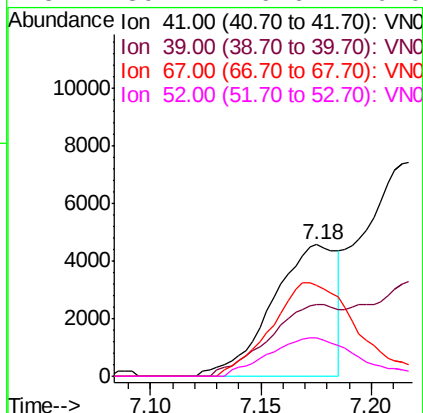
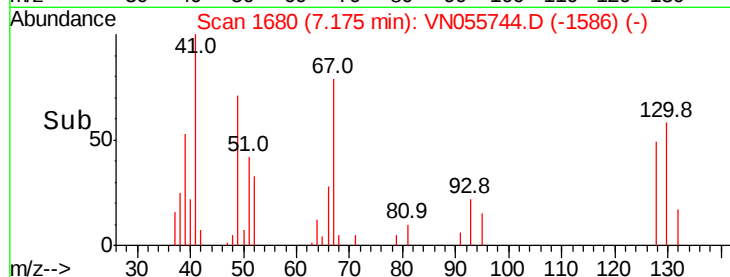
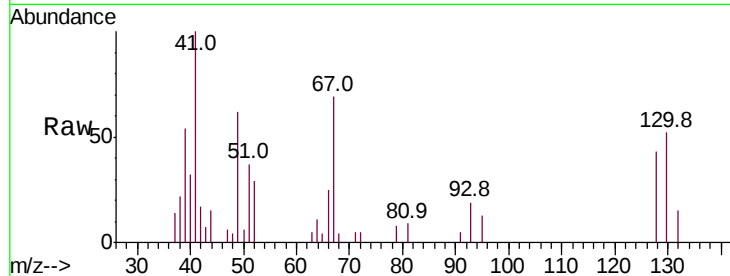
#41
Methacrylonitrile
Concen: 5.276 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	9298
Ion	Ratio	Lower	Upper
41	100		
39	56.2	45.6	68.4
67	93.6	67.7	101.5
52	39.7	26.6	40.0

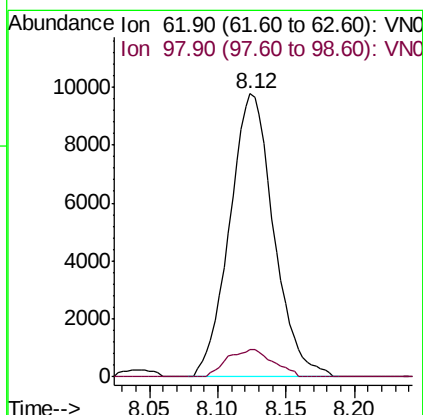
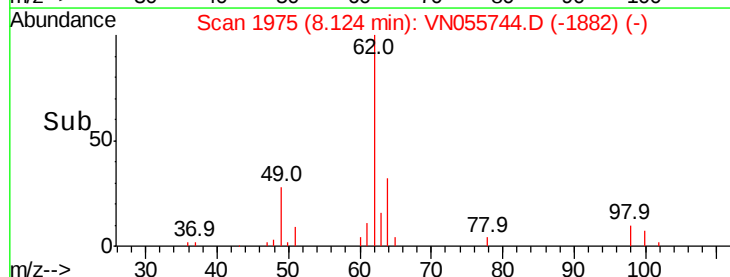
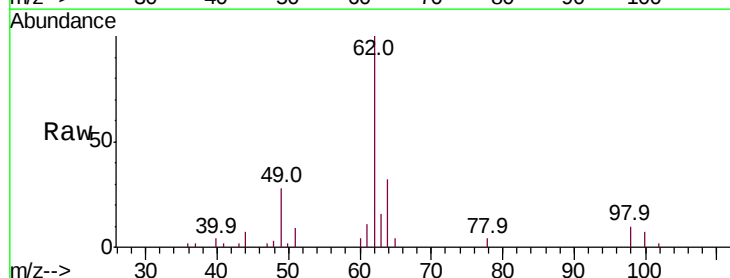
Manual Integrations
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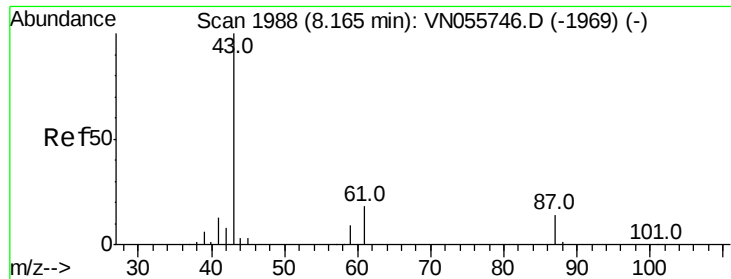
MMDadoda
5/24/2019 9:20:54 AM



#42
1,2-Dichloroethane
Concen: 5.118 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion:	62	Resp:	21925
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 4.939 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

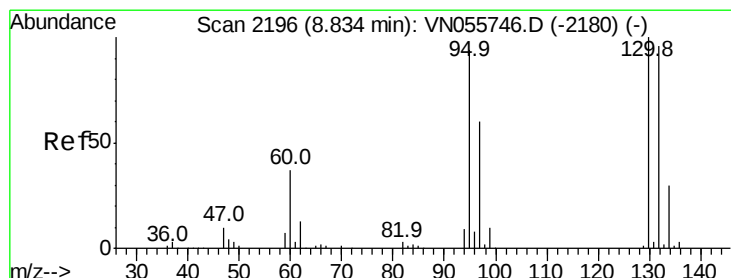
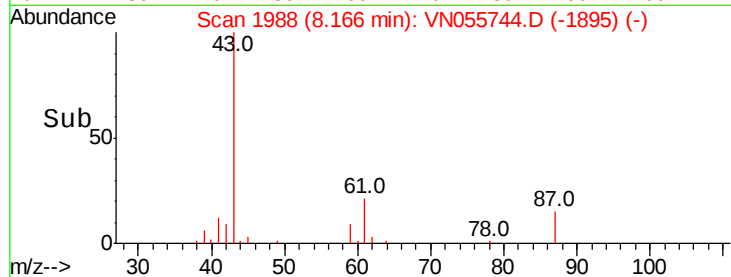
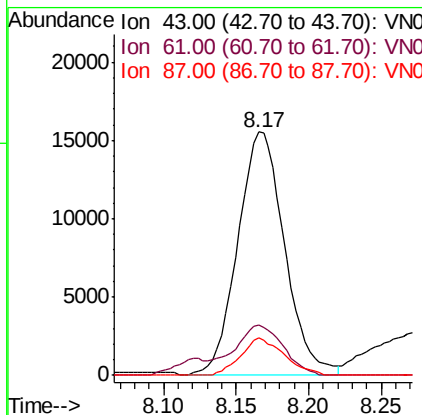
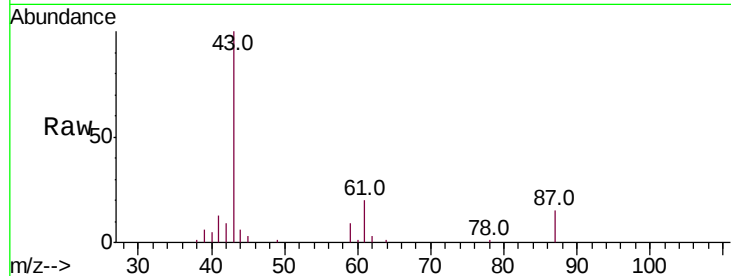
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	34931
Ion Ratio	Lower	Upper	
43	100		
61	21.2	22.2	33.4#
87	14.2	11.4	17.2

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#44

Trichloroethene

Concen: 5.014 ug/l

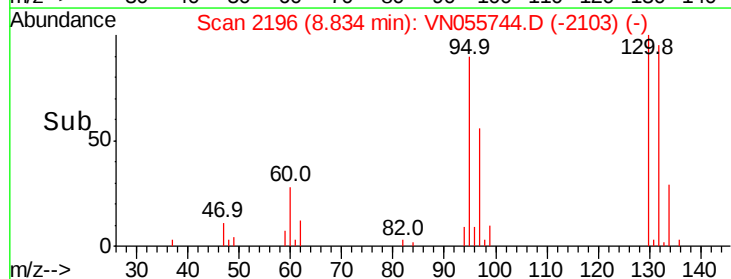
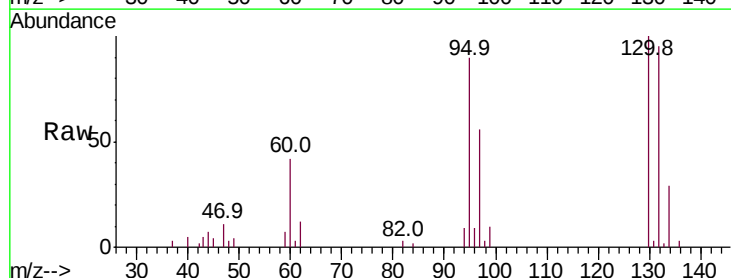
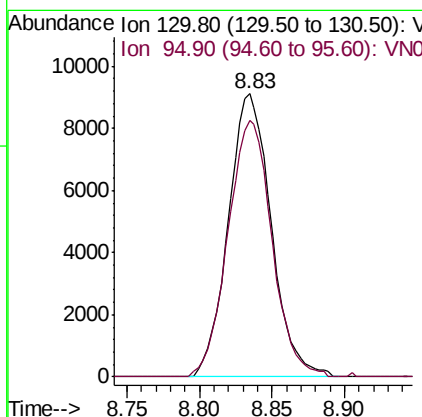
RT: 8.83 min Scan# 2196

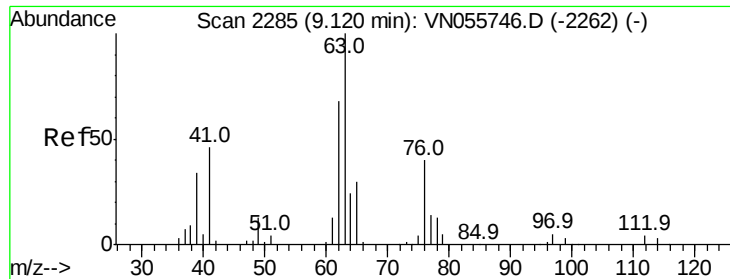
Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion:	130	Resp:	18737
Ion Ratio	Lower	Upper	
130	100		
95	90.4	0.0	188.0





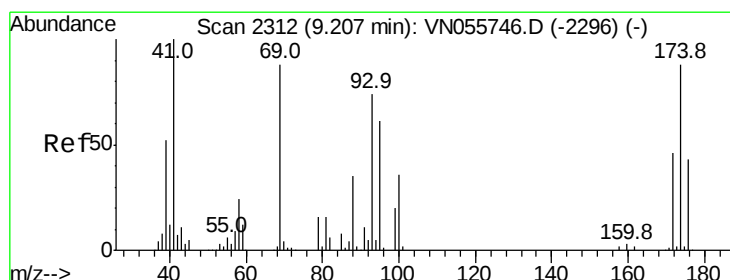
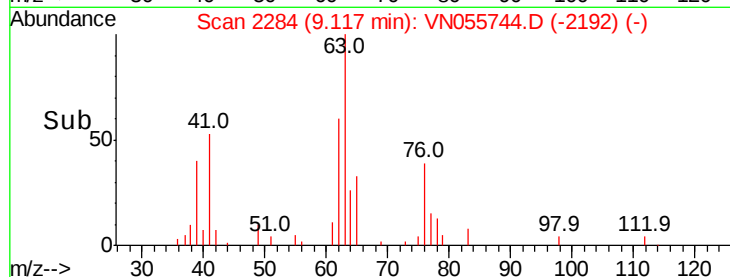
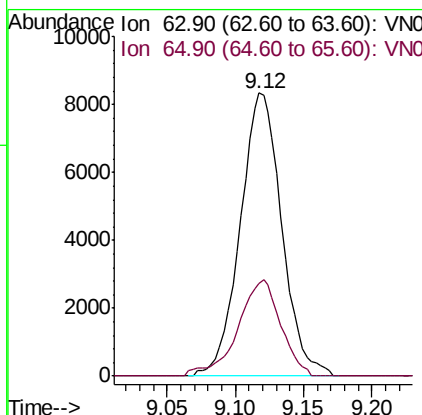
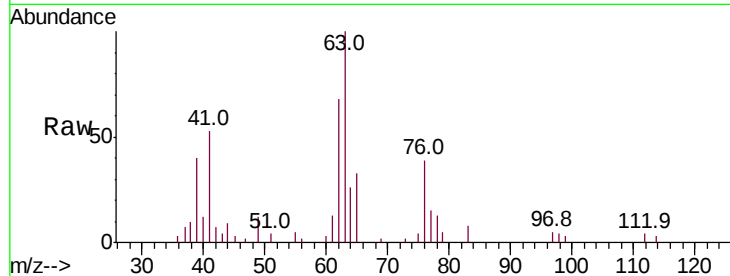
#45
 1,2-Dichloropropane
 Concen: 5.048 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.6	36.8

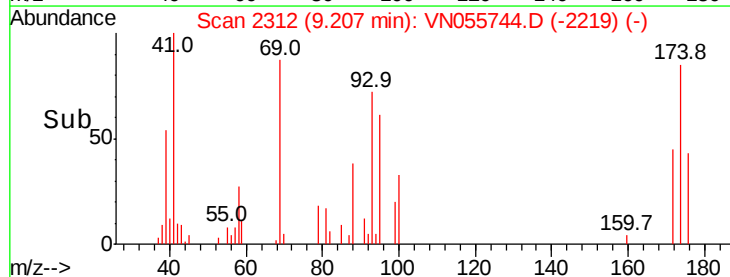
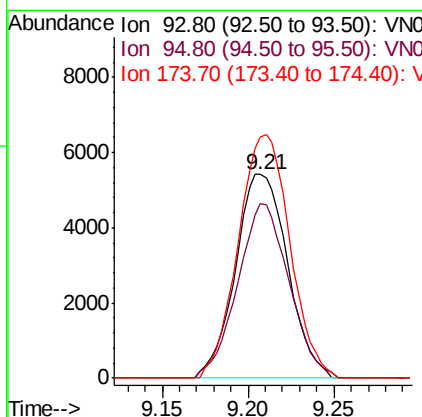
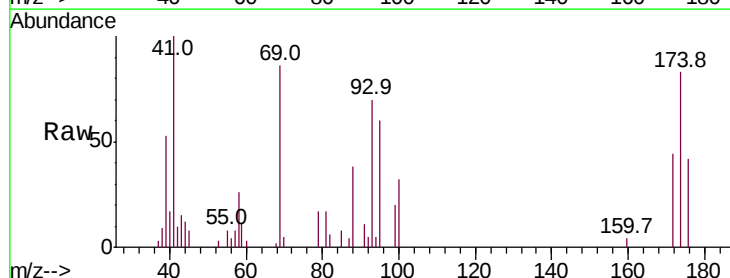
Manual Integrations
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 5/24/2019 9:20:54 AM



#46
 Dibromomethane
 Concen: 4.986 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.7	100.1
174	118.4	96.4	144.6





#47

Bromodichloromethane

Concen: 4.838 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

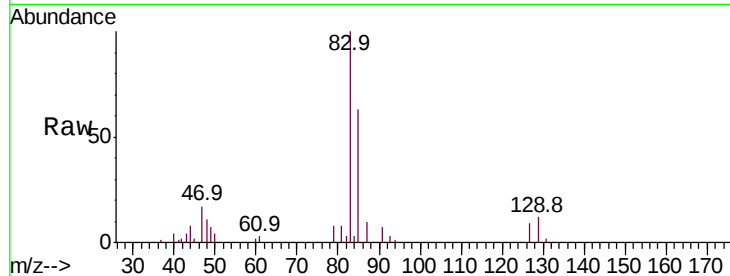
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23089
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.2	78.2
127	8.8	7.4	11.0

Manual Integrations
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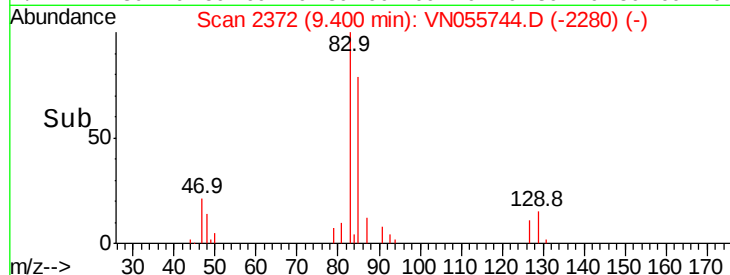


Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)

Time-->



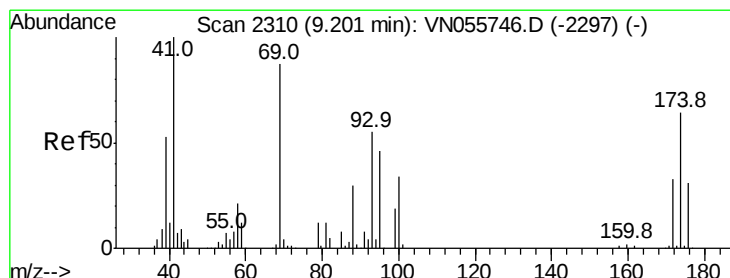
Abundance

Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)

Time-->



#48

Methyl methacrylate

Concen: 5.247 ug/l

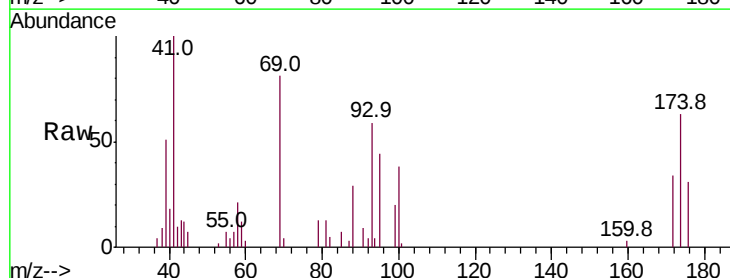
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion:	41	Resp:	16625
Ion Ratio	Lower	Upper	
41	100		
69	86.0	71.0	106.6
39	55.8	44.2	66.2

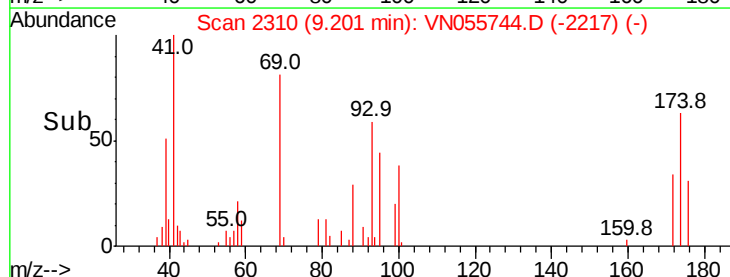


Abundance Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)

Time-->



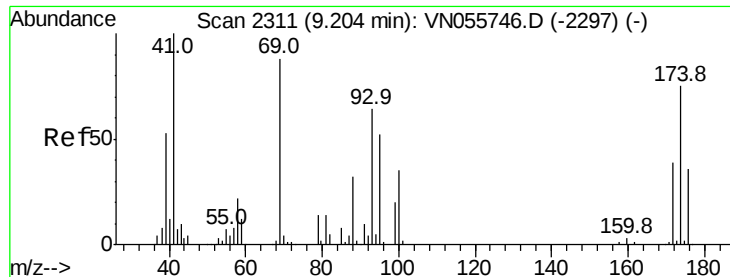
Abundance

Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)

Time-->



#49

1,4-Dioxane

Concen: 105.186 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

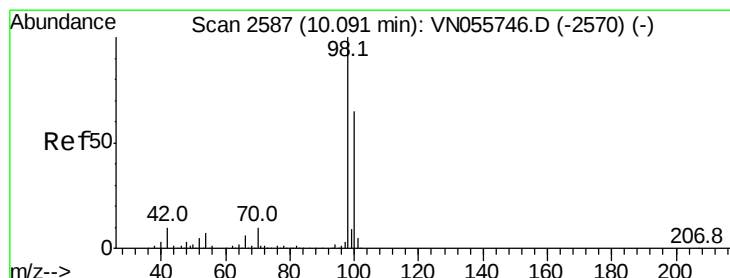
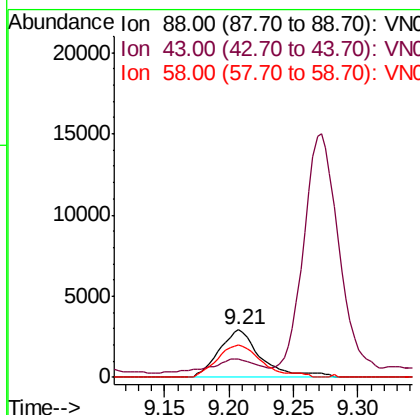
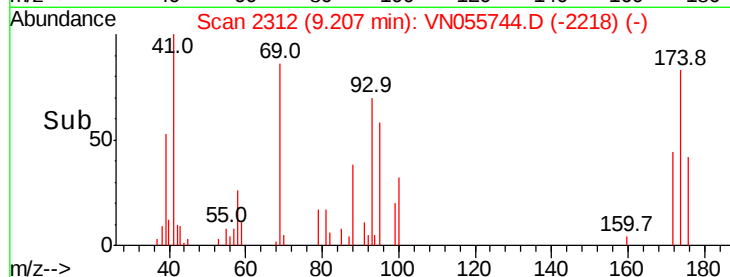
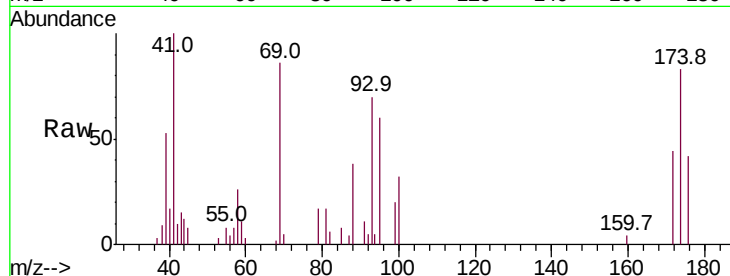
ClientSampleId :

VSTDIC005

Tot Ion	88	Resp	6605
Ion	Ratio	Lower	Upper
88	100		
43	31.4	20.5	30.7#
58	73.2	55.8	83.6

Manual Integrations
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#50

Toluene-d8

Concen: 4.835 ug/l

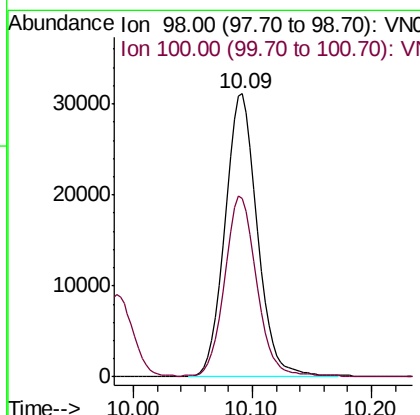
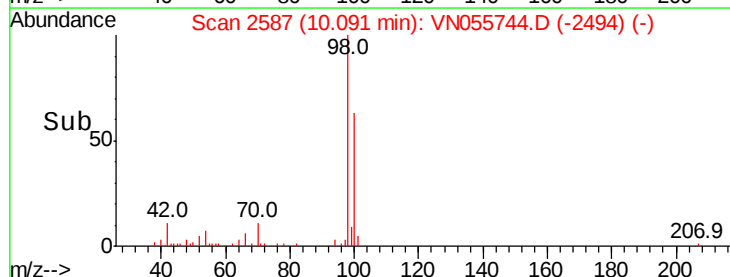
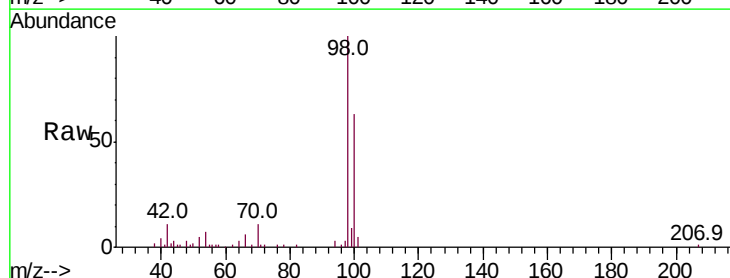
RT: 10.09 min Scan# 2587

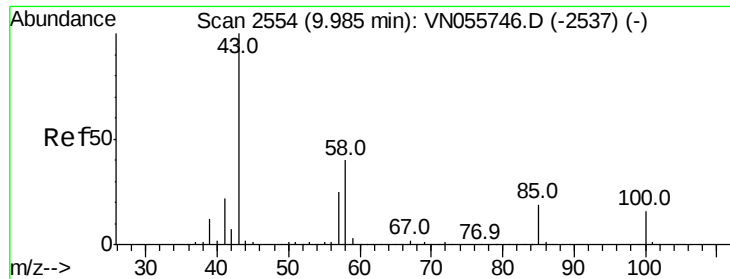
Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion	98	Resp	58693
Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 24.727 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 103330

Ion Ratio Lower Upper

43 100

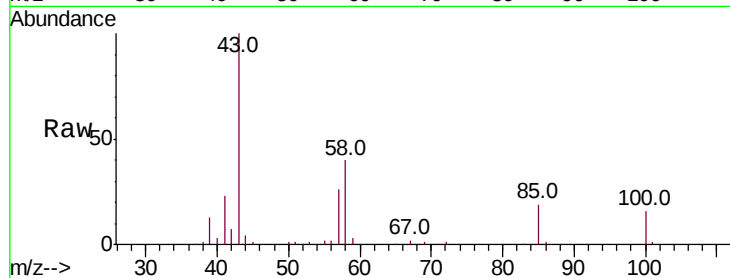
58 40.4 32.1 48.1

Manual Integrations

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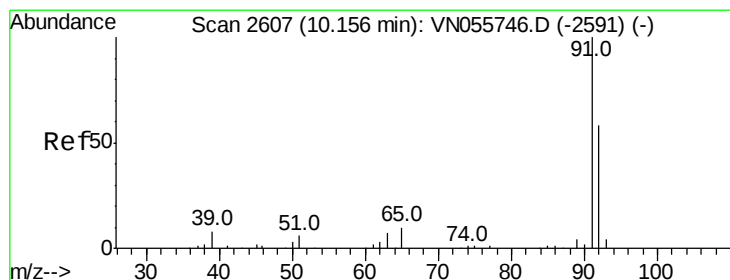
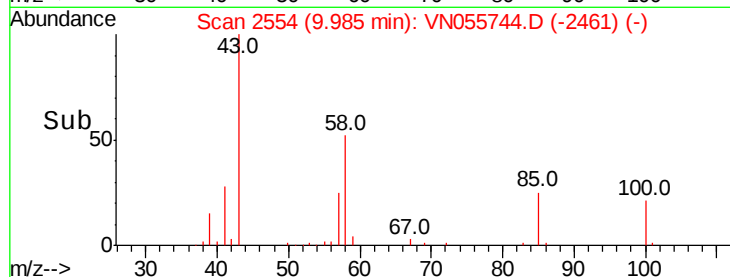
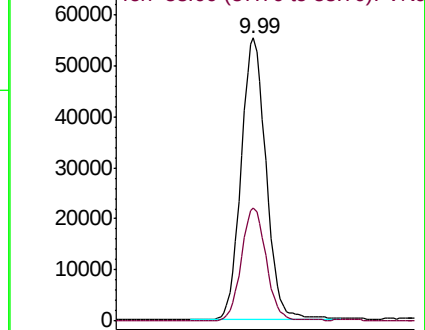
MMDadoda

5/24/2019 9:20:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.952 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055744.D

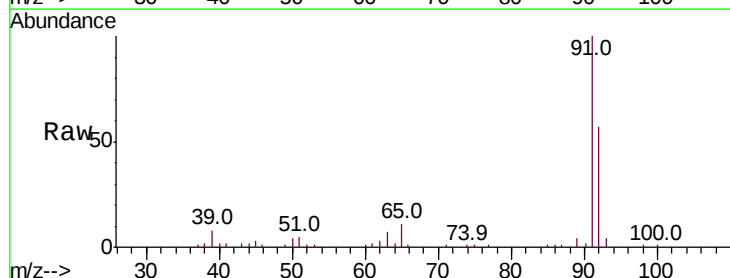
Acq: 23 May 2019 9:45

Tgt Ion: 92 Resp: 41269

Ion Ratio Lower Upper

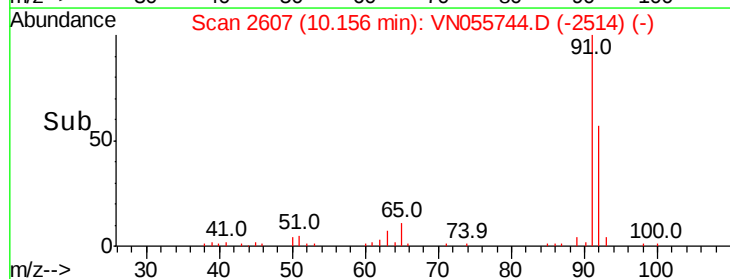
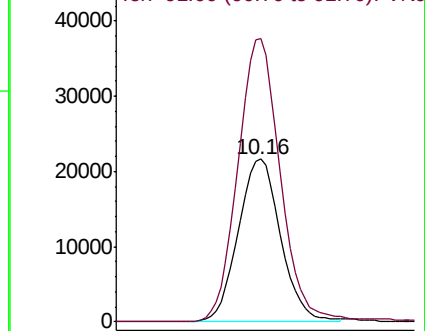
92 100

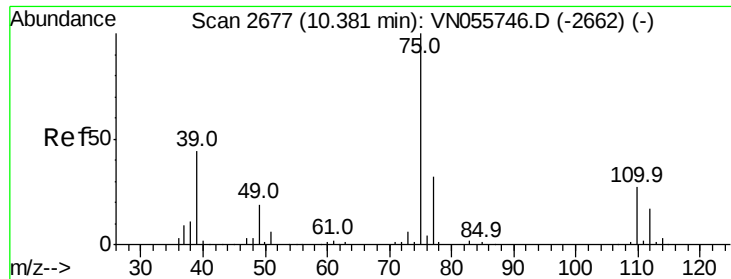
91 174.5 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





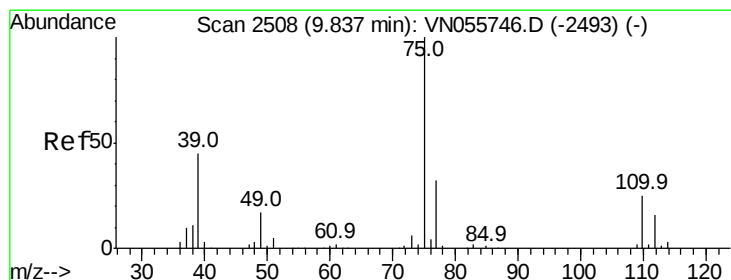
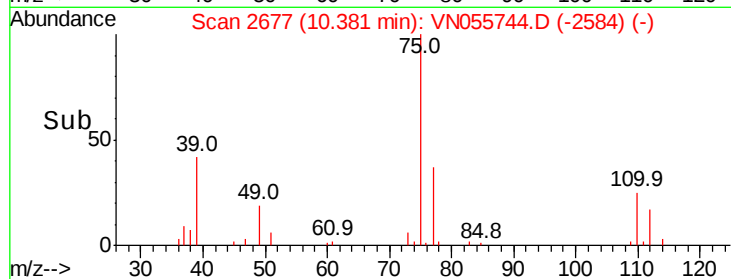
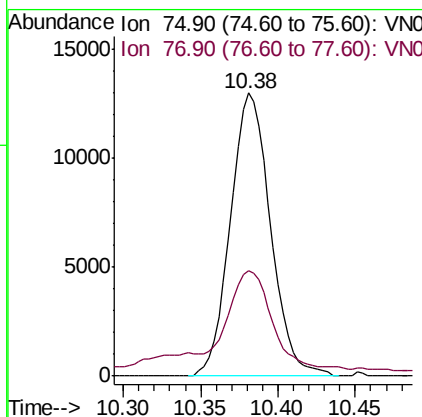
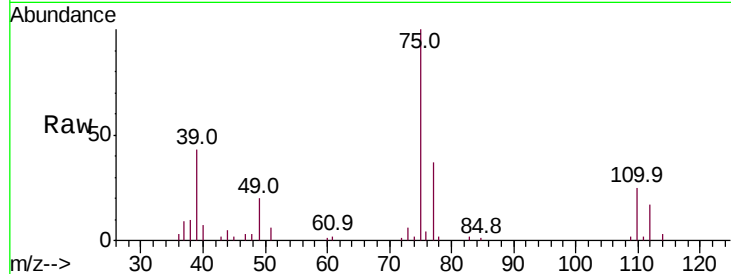
#53
t-1,3-Dichloropropene
Concen: 4.560 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 23378
Ion Ratio Lower Upper
75 100
77 33.7 25.8 38.6

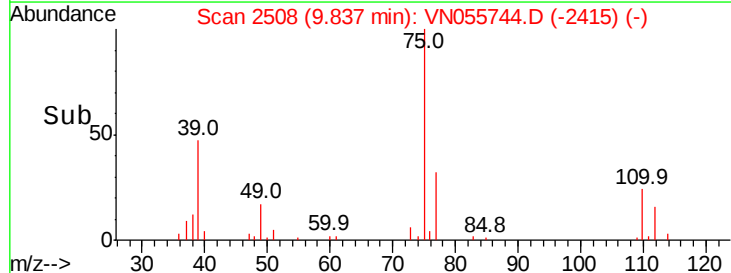
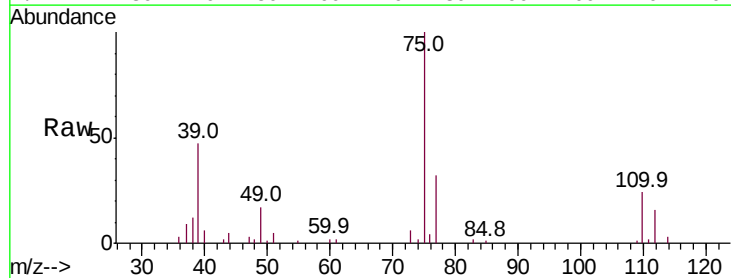
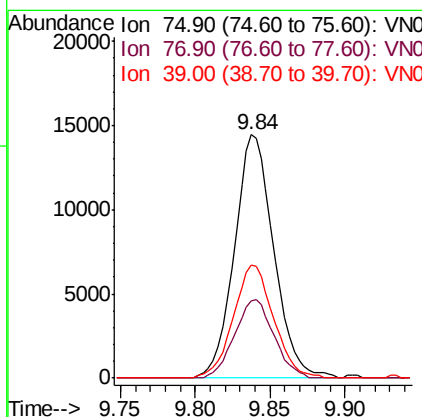
Manual Integrations
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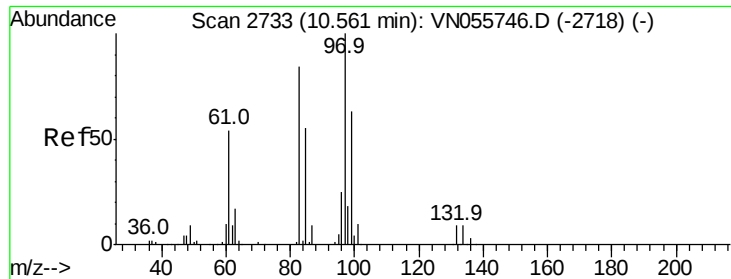
MMDadoda
5/24/2019 9:20:54 AM



#54
cis-1,3-Dichloropropene
Concen: 4.710 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 75 Resp: 26463
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.0
39 46.7 36.3 54.5





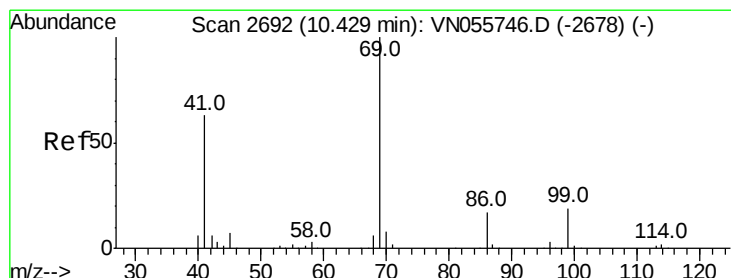
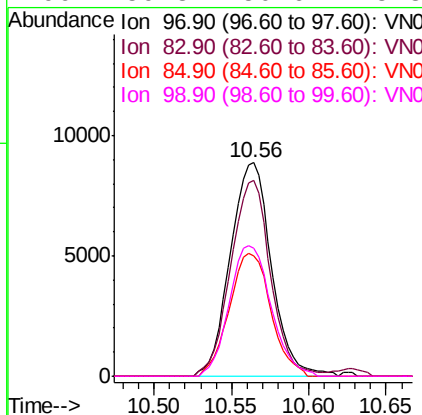
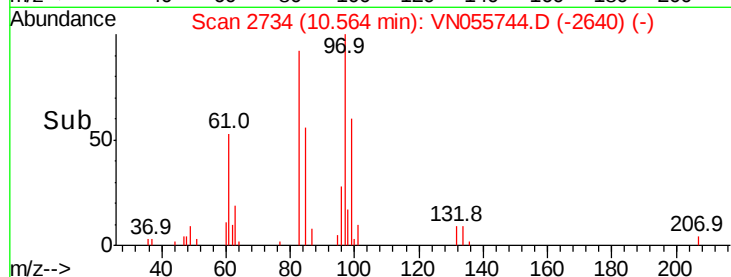
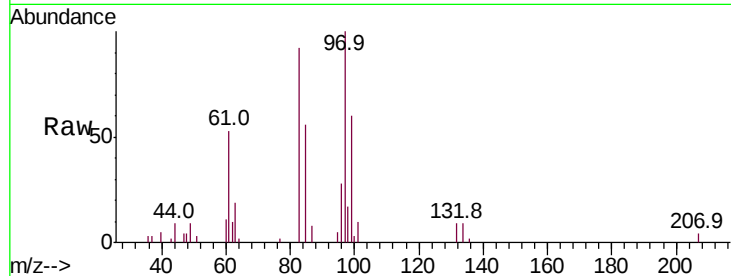
#55
1,1,2-Trichloroethane
Concen: 4.785 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	97	Resp:	16400
Ion	Ratio	Lower	Upper
97	100		
83	92.0	67.0	100.6
85	56.3	44.0	66.0
99	59.8	50.6	75.8

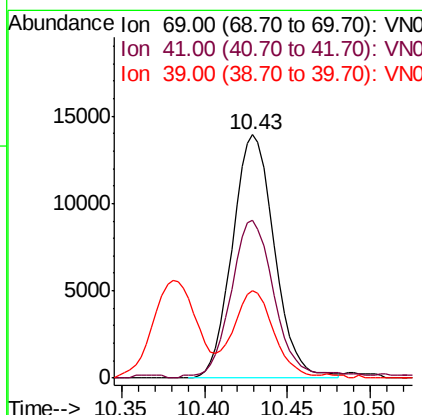
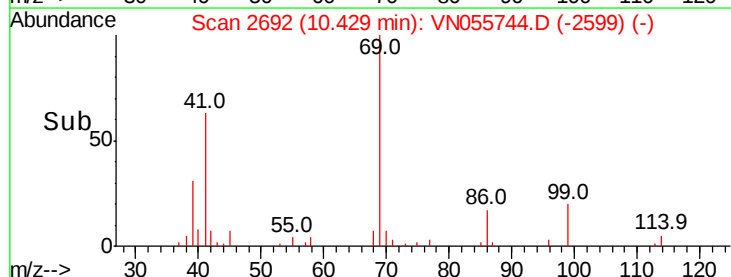
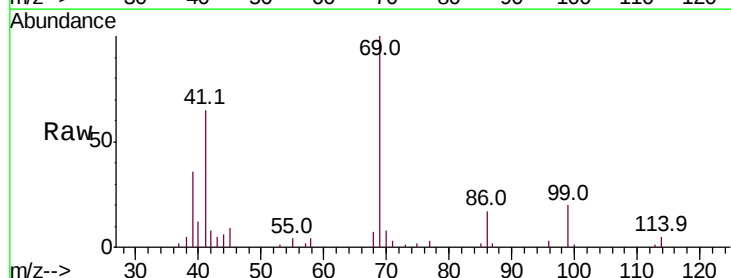
Manual Integrations
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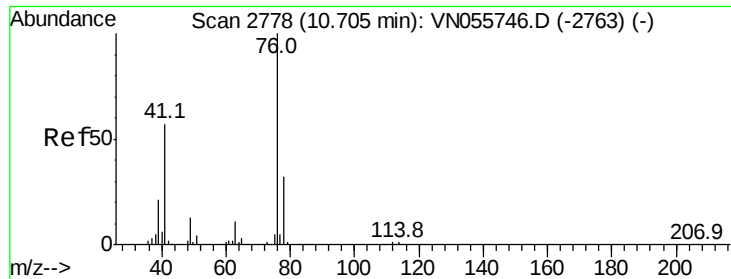
MMDadoda
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#56
Ethyl methacrylate
Concen: 4.590 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion:	69	Resp:	24571
Ion	Ratio	Lower	Upper
69	100		
41	67.9	49.7	74.5
39	32.6	24.7	37.1





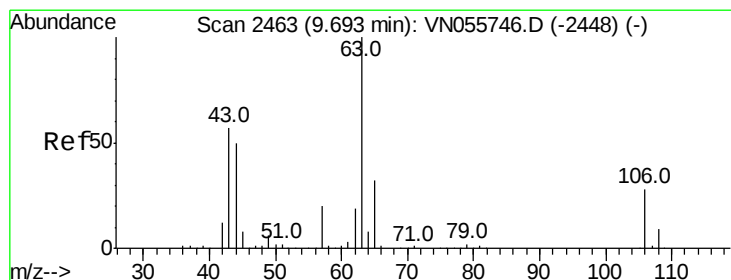
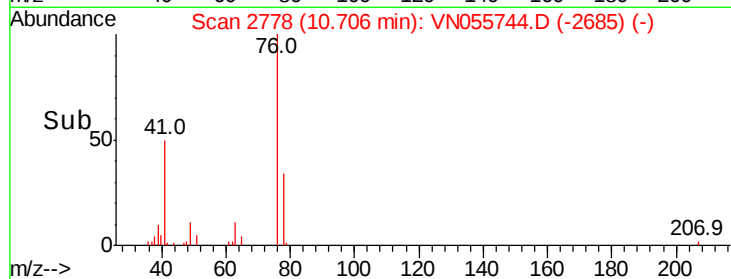
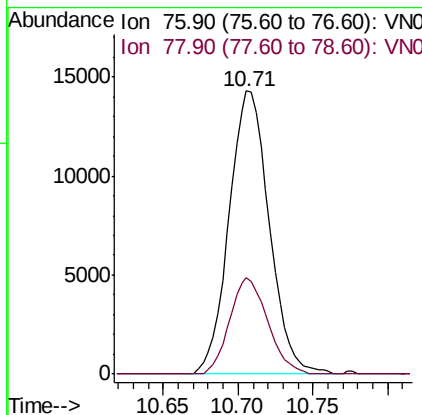
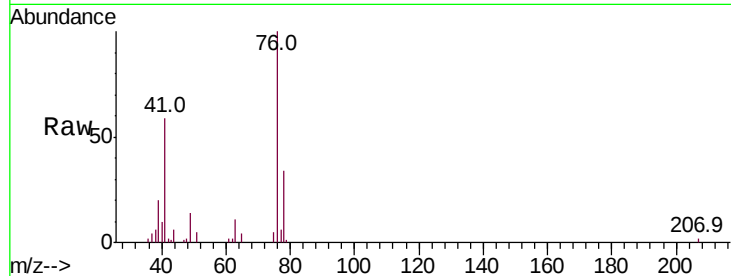
#57
 1,3-Dichloropropane
 Concen: 4.926 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.6

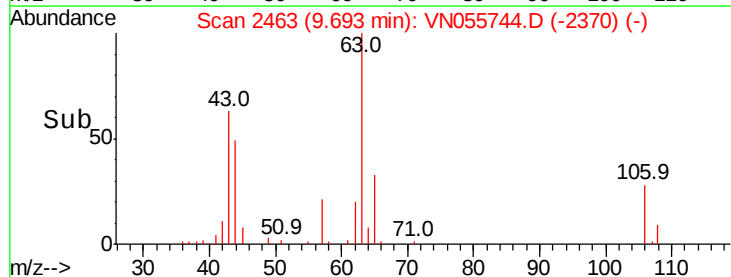
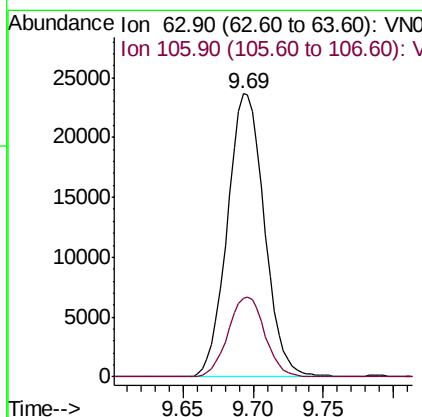
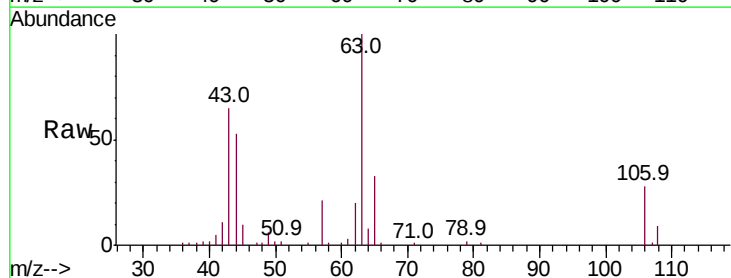
Manual Integrations
 APPROVED

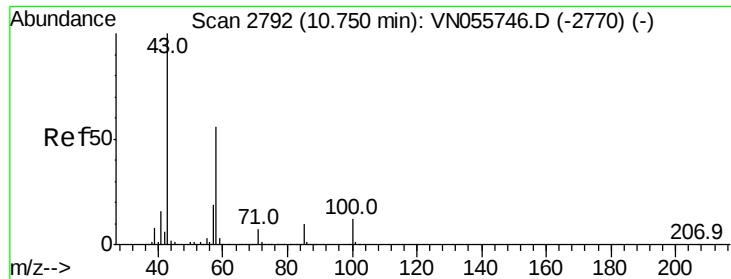
MMDadoda
 5/24/2019 9:20:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.584 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.7	34.1





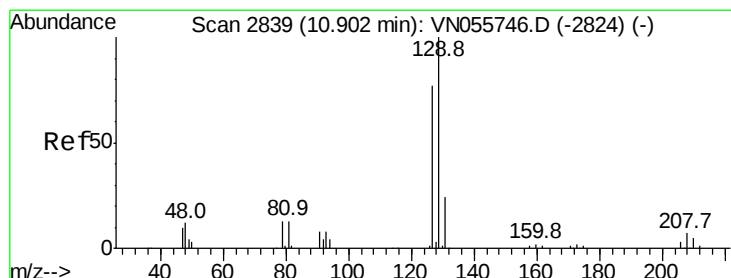
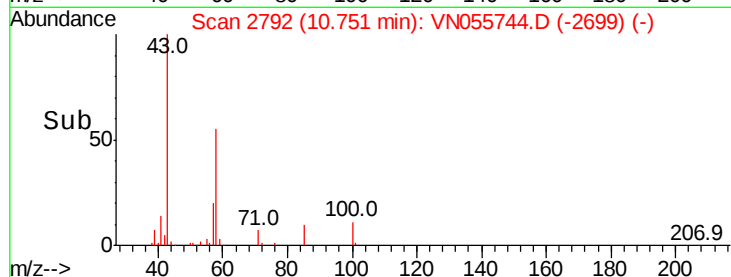
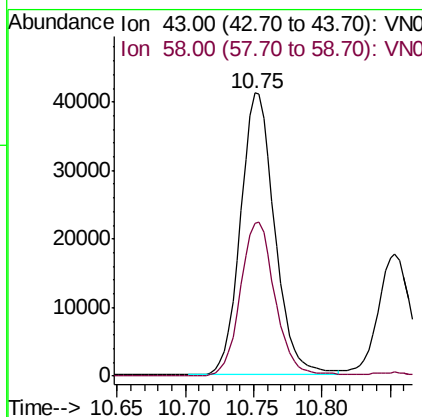
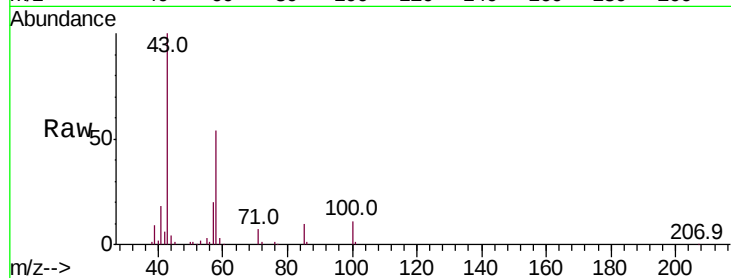
#59
2-Hexanone
Concen: 24.448 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 71800
Ion Ratio Lower Upper
43 100
58 55.4 28.2 84.7

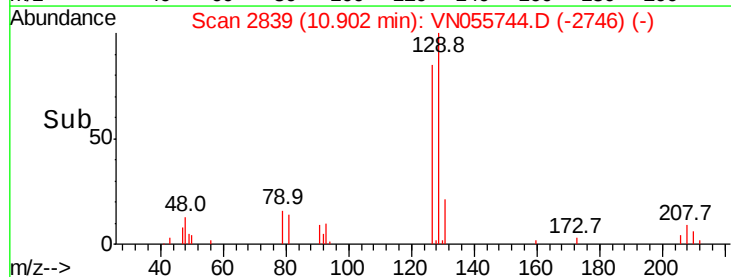
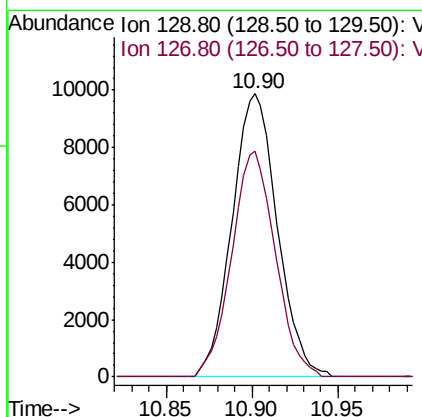
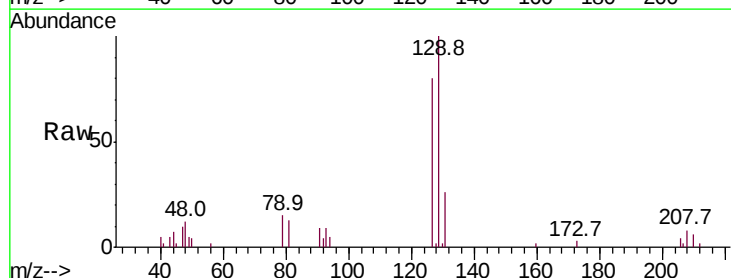
Manual Integrations
APPROVED

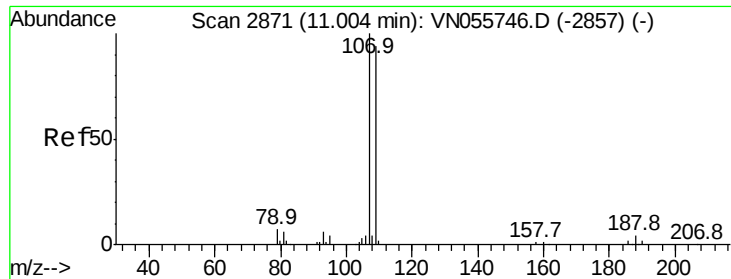
MMDadoda
5/24/2019 9:20:54 AM



#60
Dibromochloromethane
Concen: 4.638 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 129 Resp: 18020
Ion Ratio Lower Upper
129 100
127 77.0 38.1 114.3





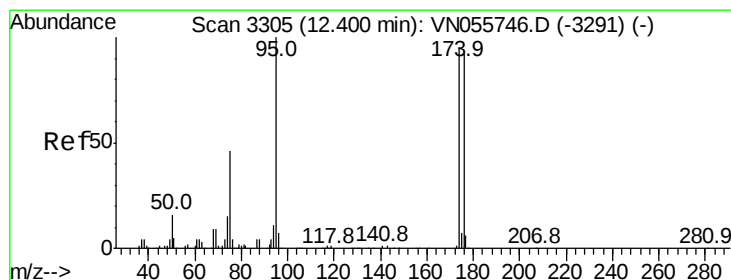
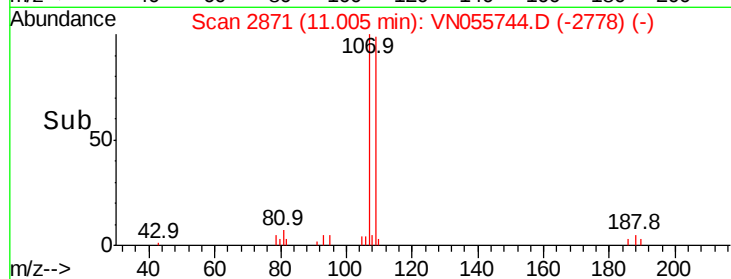
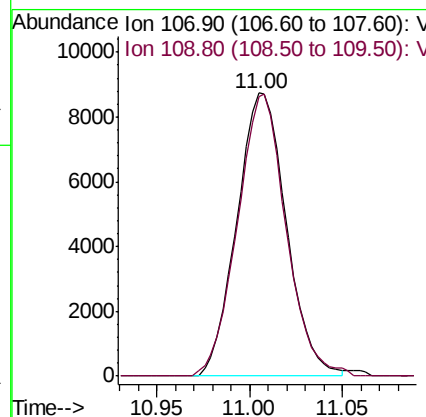
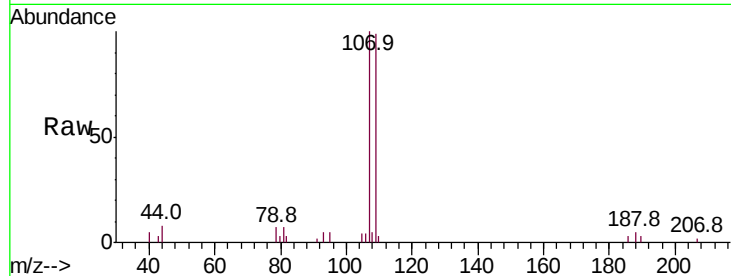
#61
 1,2-Dibromoethane
 Concen: 4.727 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.3	74.8	112.2

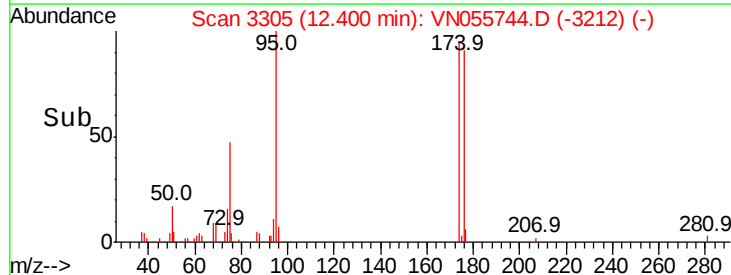
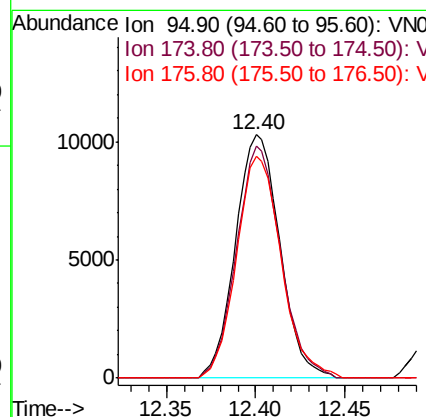
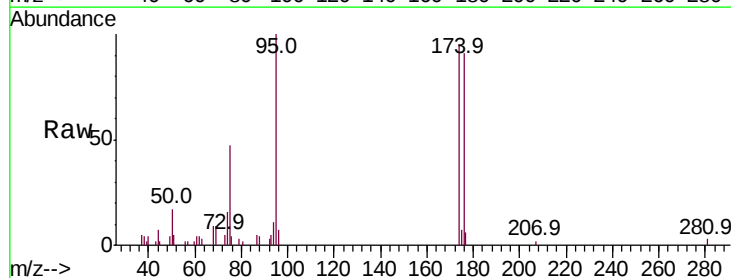
Manual Integrations
 APPROVED

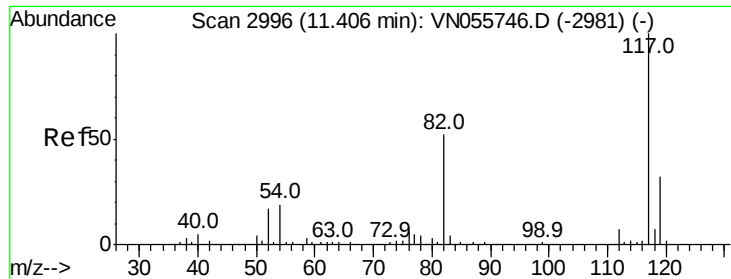
MMDadoda
 5/24/2019 9:20:54 AM



#62
 4-Bromofluorobenzene
 Concen: 4.239 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	191.0
176	92.0	0.0	185.2





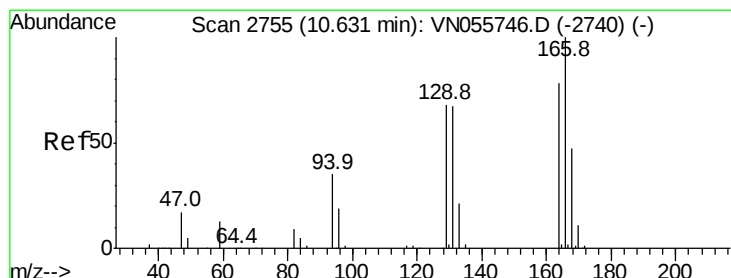
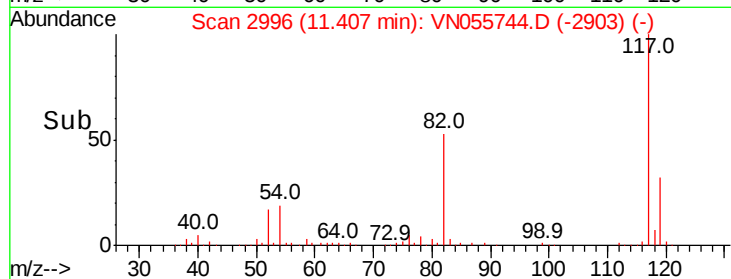
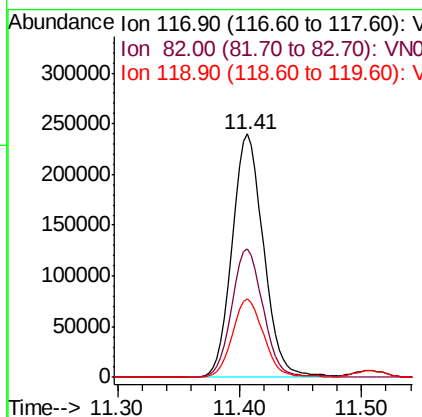
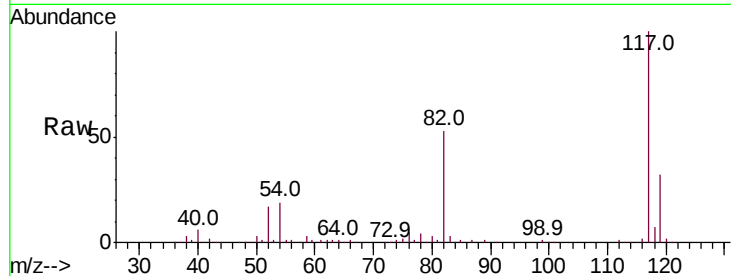
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.8
119	32.2	25.4	38.0

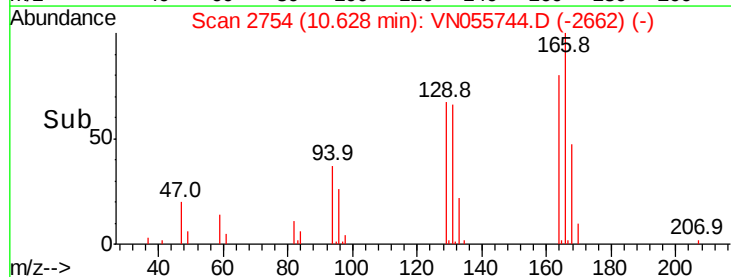
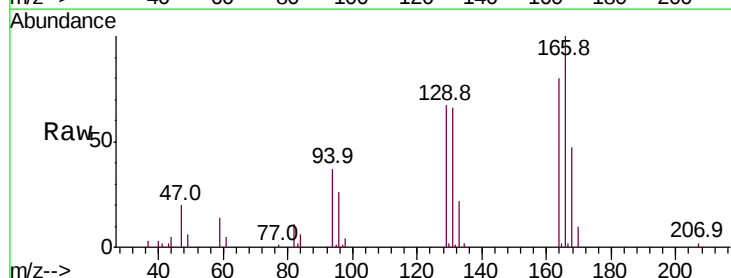
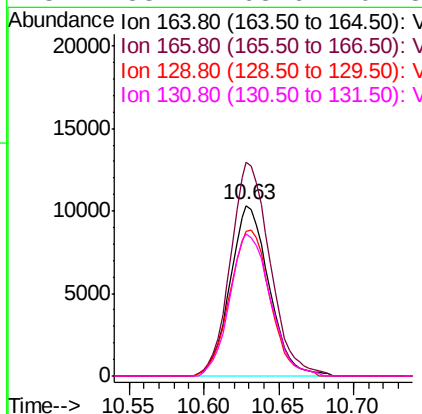
Manual Integrations
APPROVED

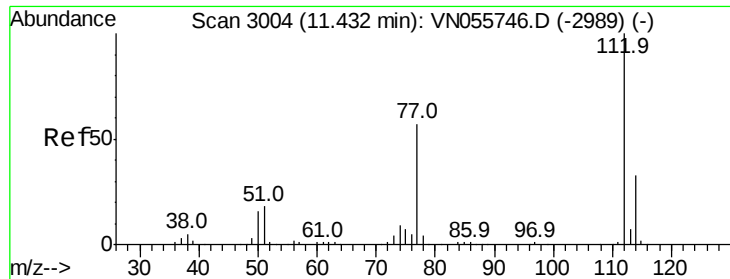
MMDadoda
5/24/2019 9:20:54 AM



#64
Tetrachloroethene
Concen: 5.482 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	103.0	154.6
129	84.5	70.6	105.8
131	83.1	68.6	102.8





#65

Chlorobenzene

Concen: 4.893 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:112 Resp: 42514

Ion Ratio Lower Upper

112 100

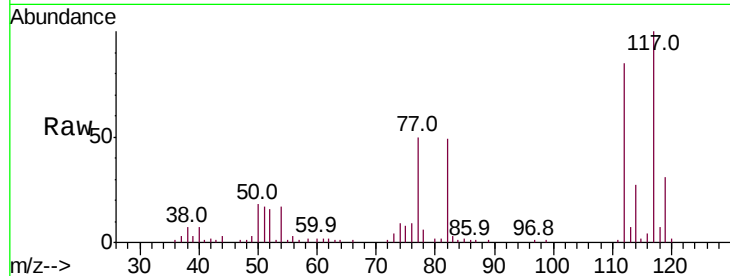
114 31.4 26.2 39.4

Manual Integrations

APPROVED

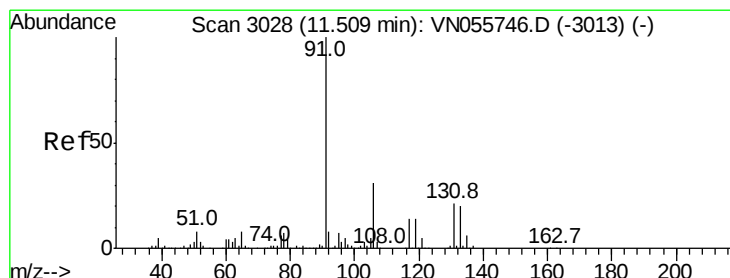
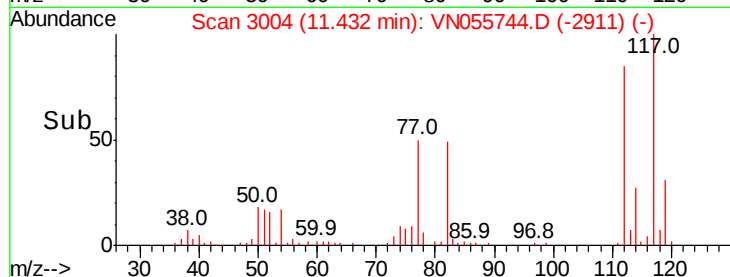
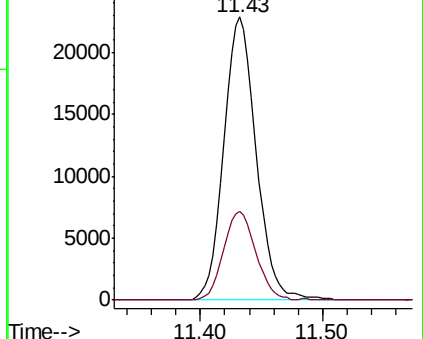
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.838 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

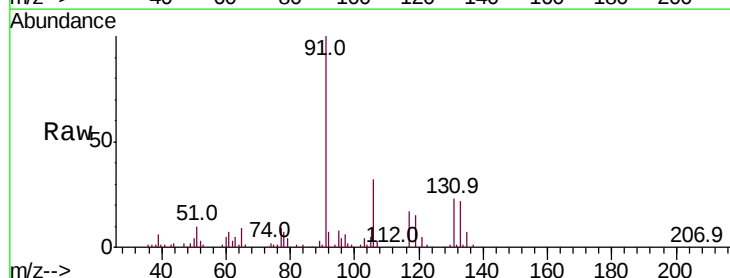
Tgt Ion:131 Resp: 16892

Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

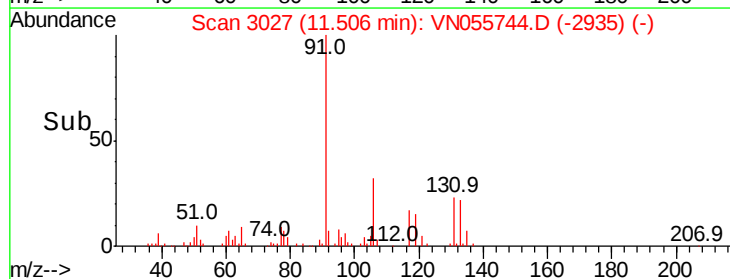
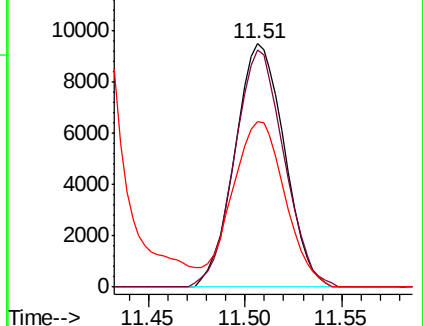
119 73.5 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





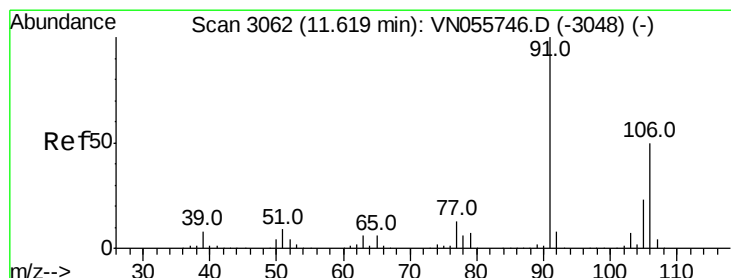
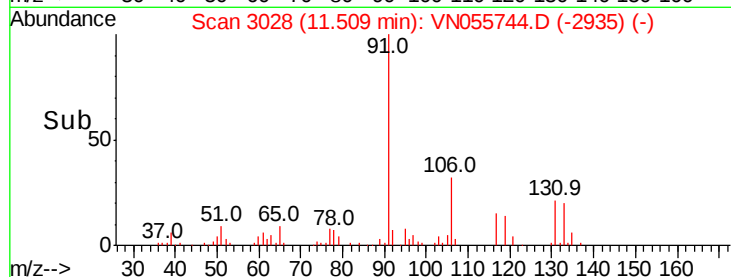
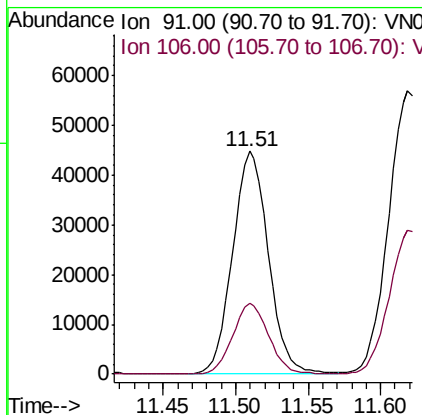
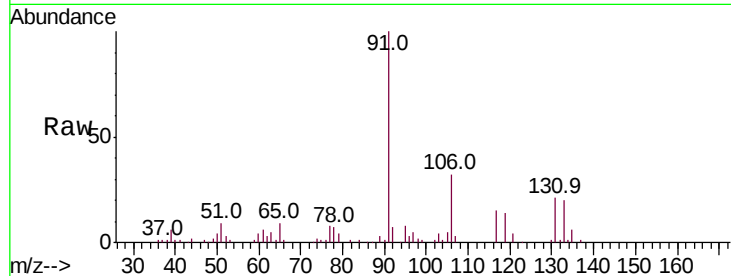
#67
Ethyl Benzene
Concen: 4.952 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 76846
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7

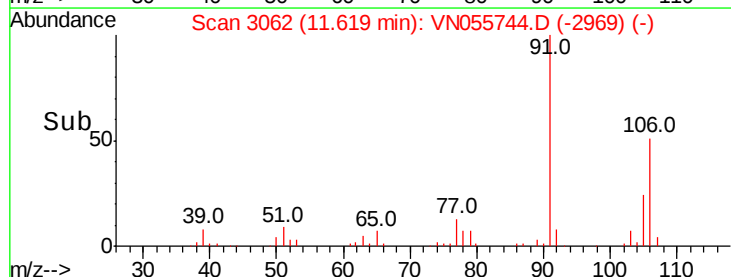
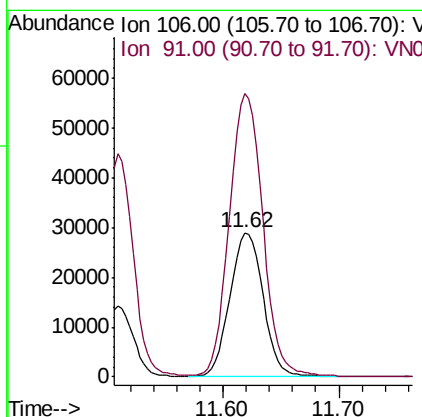
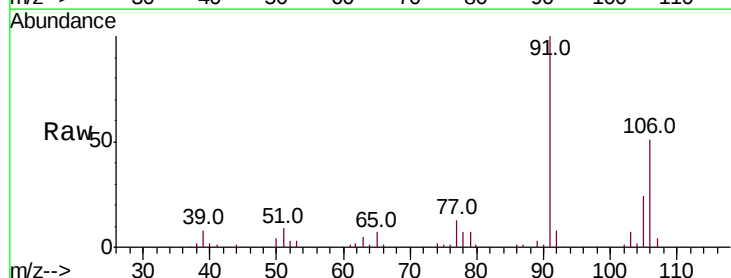
Manual Integrations
APPROVED

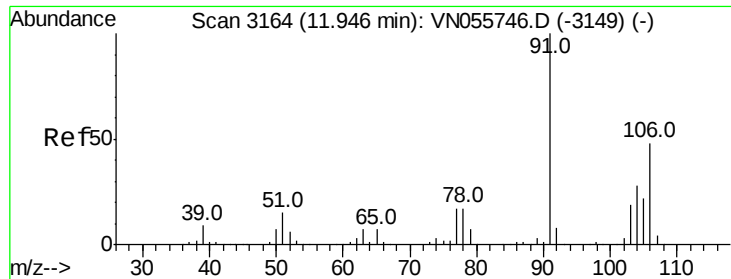
MMDadoda
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#68
m/p-Xylenes
Concen: 9.844 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion: 106 Resp: 57694
Ion Ratio Lower Upper
106 100
91 198.5 159.3 238.9





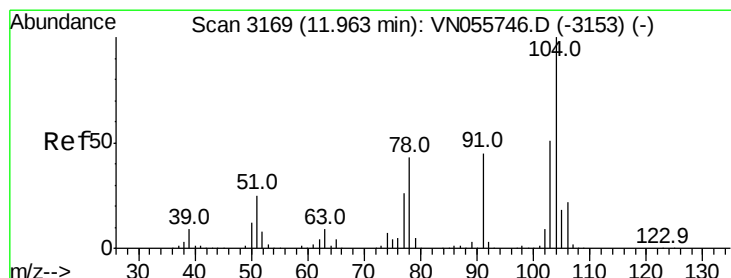
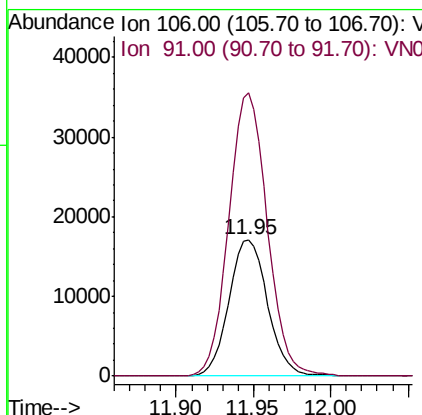
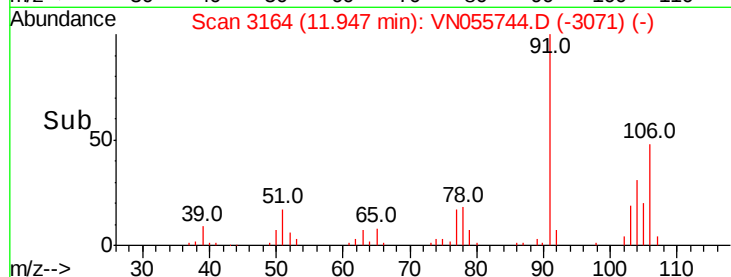
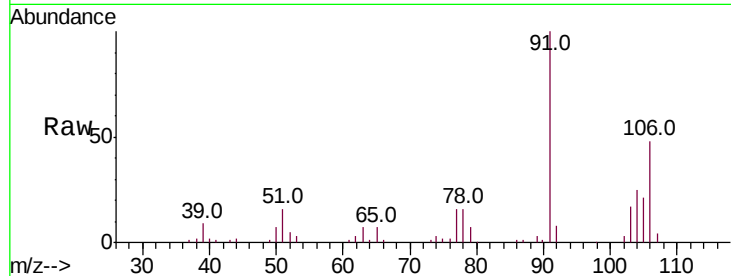
#69
o-Xylene
Concen: 5.165 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 29699
Ion Ratio Lower Upper
106 100
91 206.3 104.7 314.1

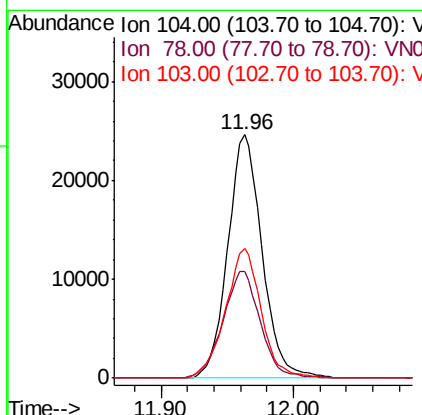
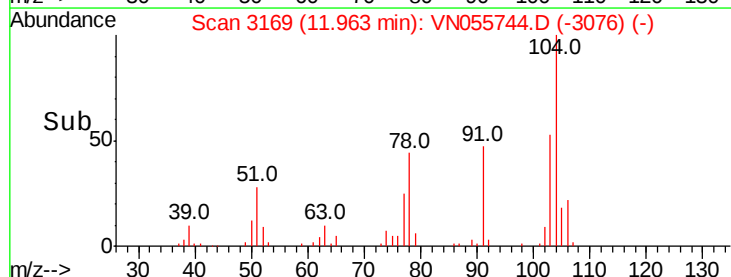
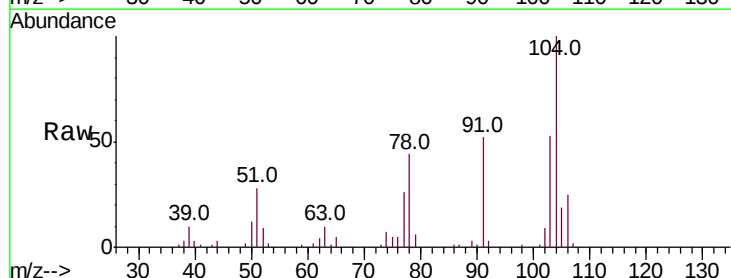
Manual Integrations
APPROVED

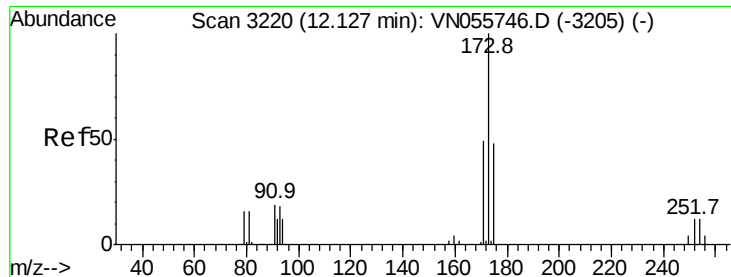
MMDadoda
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#70
Styrene
Concen: 4.640 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion:104 Resp: 44242
Ion Ratio Lower Upper
104 100
78 47.9 37.8 56.6
103 55.3 44.2 66.2





#71

Bromoform

Concen: 4.706 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 13960

Ion Ratio Lower Upper

173 100

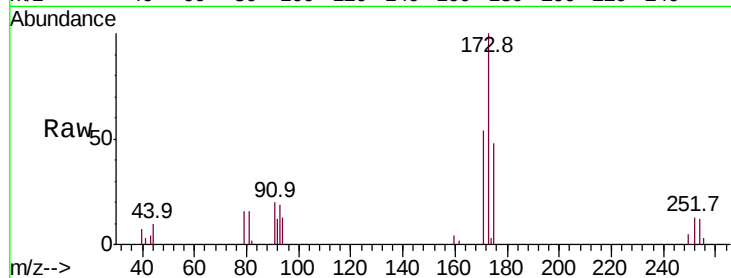
175 47.4 24.3 72.8

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

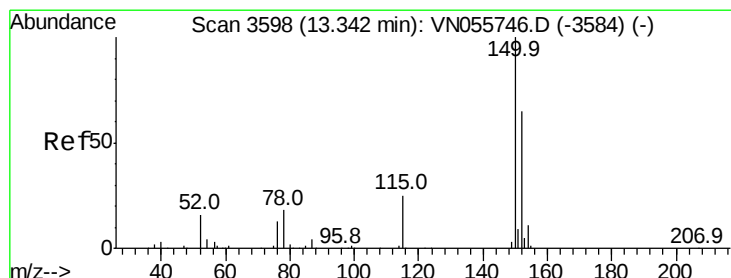
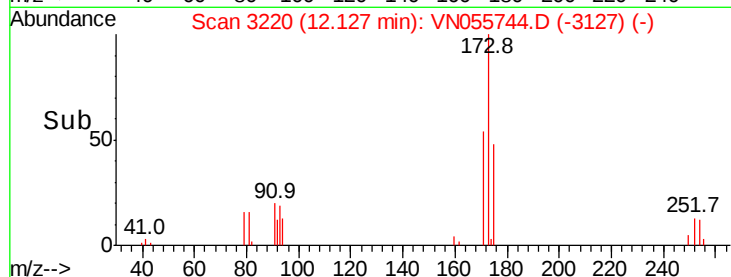
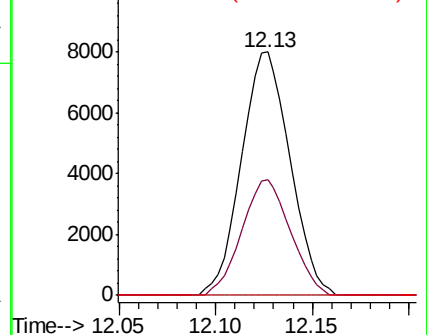
5/24/2019 9:20:54 AM



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: VN055744.D

Acq: 23 May 2019 9:45

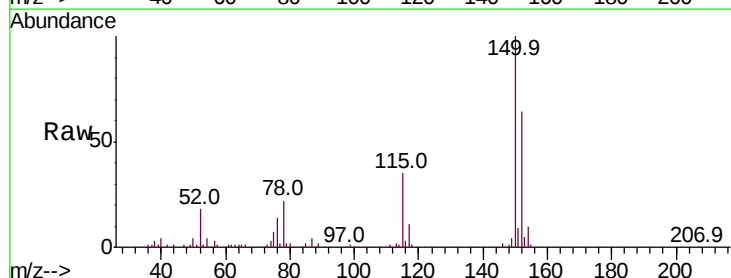
Tgt Ion:152 Resp: 153963

Ion Ratio Lower Upper

152 100

115 54.8 27.0 81.0

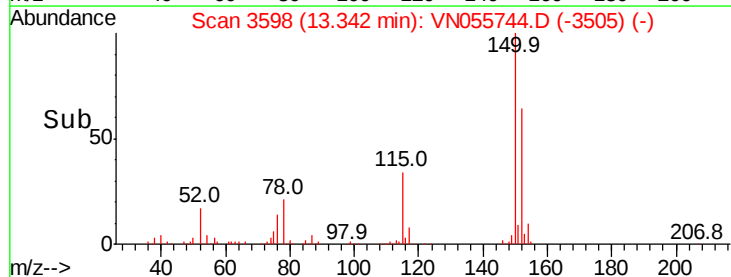
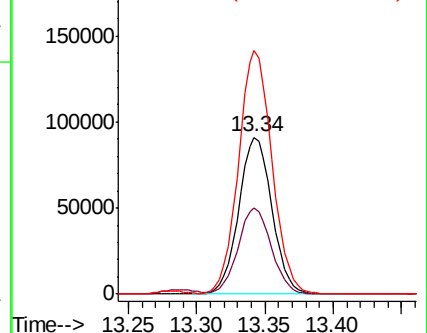
150 156.5 0.0 343.2

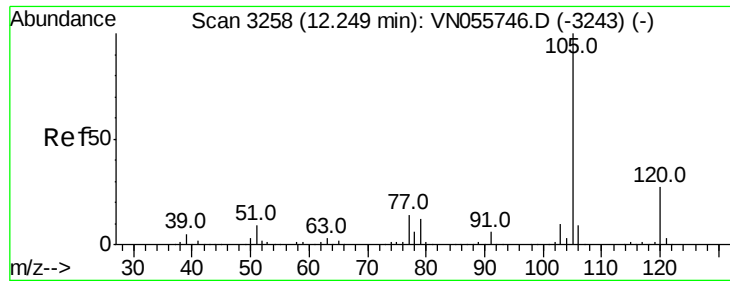


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.909 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 74332

Ion Ratio Lower Upper

105 100

120 27.2

13.6

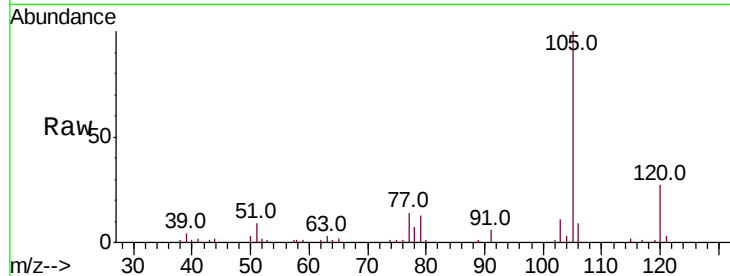
40.7

Manual Integrations

APPROVED

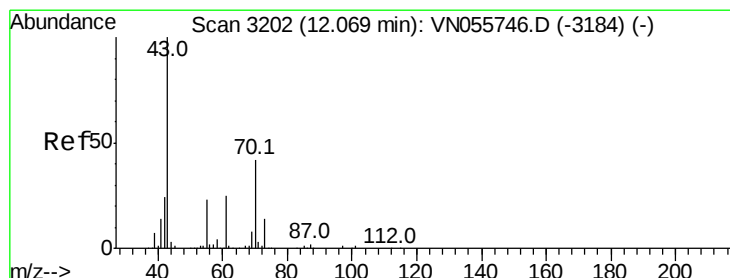
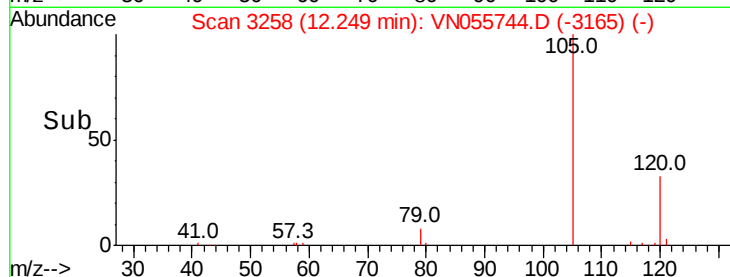
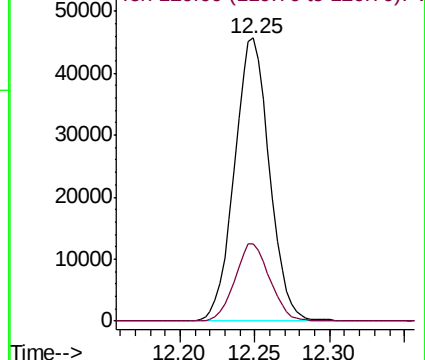
MMDadoda

5/24/2019 9:20:54 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.229 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion: 43 Resp: 26975

Ion Ratio Lower Upper

43 100

70 42.3

34.0

51.0

55 25.1

18.6

28.0

61 22.8

20.0

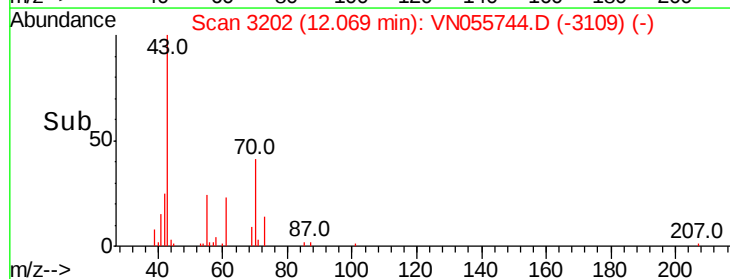
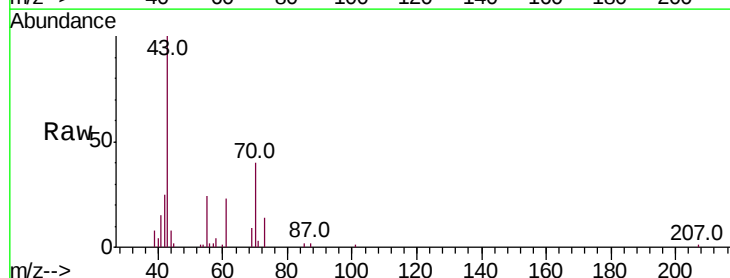
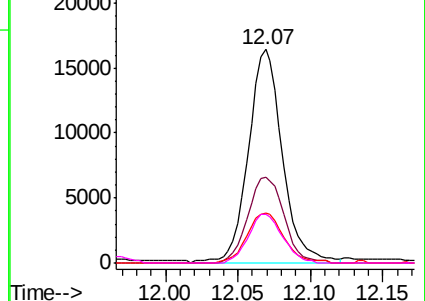
30.0

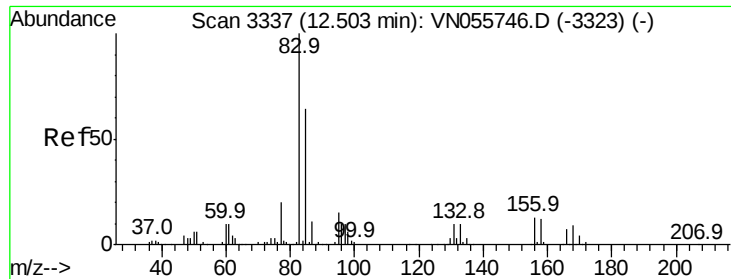
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.826 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

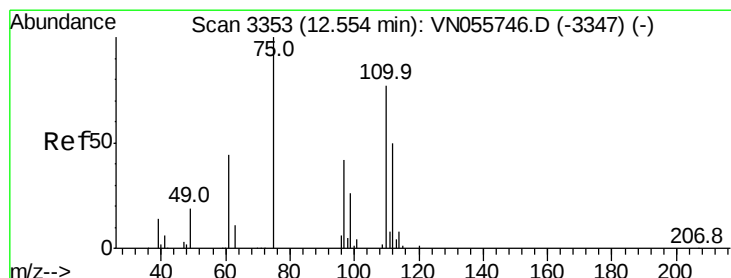
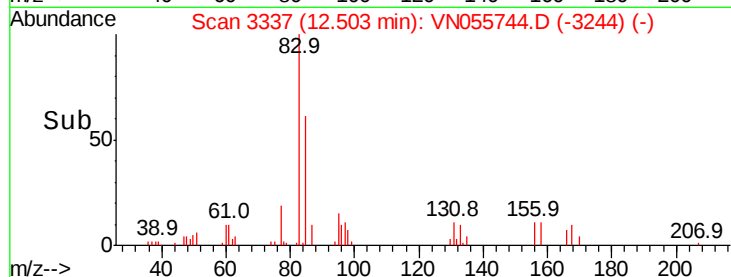
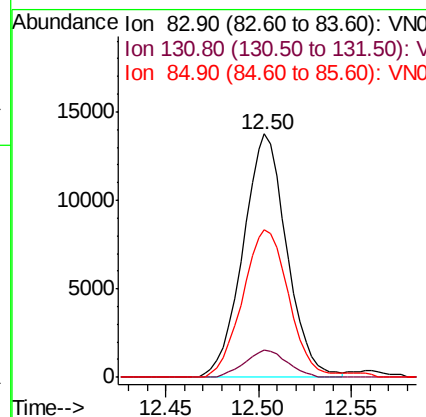
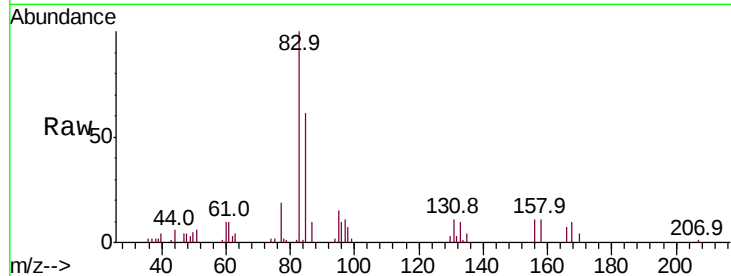
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	22568
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	64.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 5.992 ug/l m

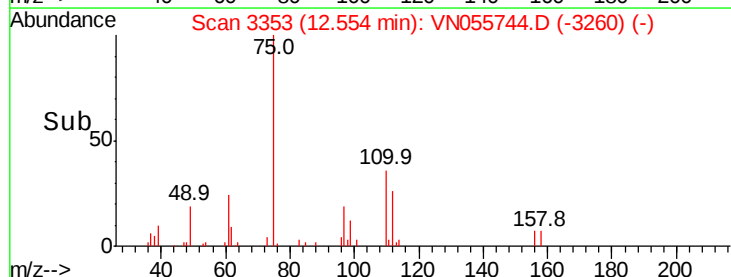
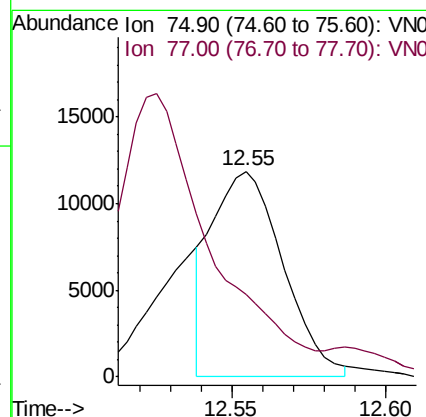
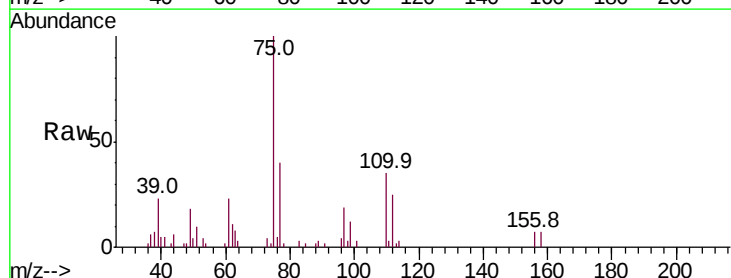
RT: 12.55 min Scan# 3353

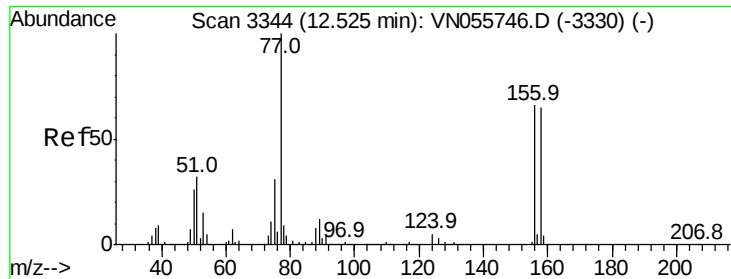
Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion:	75	Resp:	19013
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





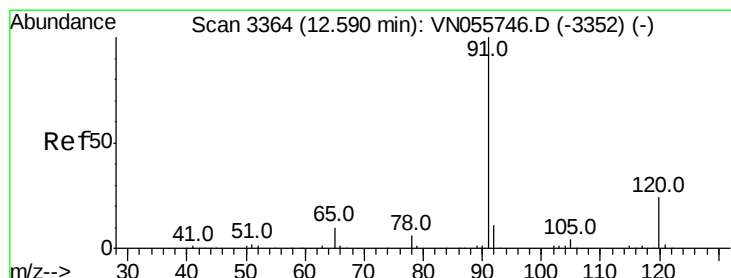
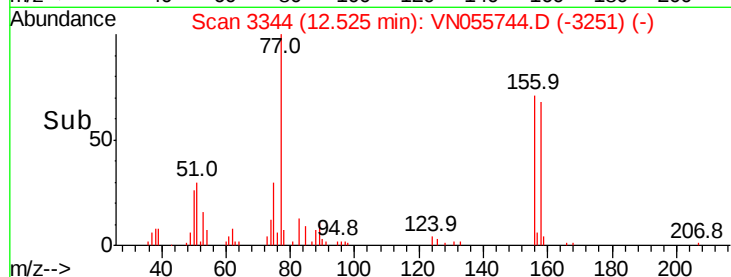
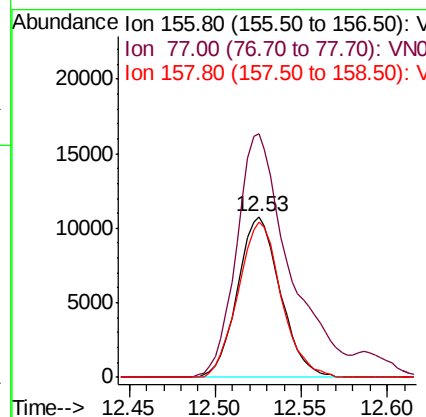
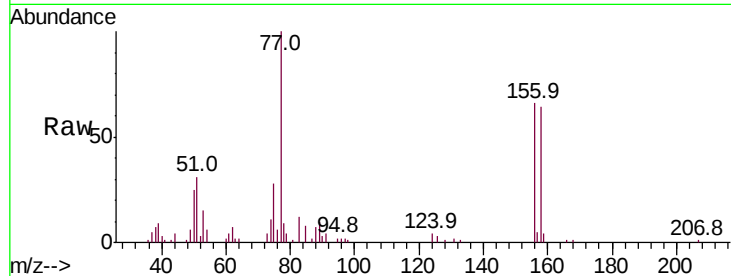
#77
Bromobenzene
Concen: 5.865 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	189.5	90.8	272.5
158	97.6	49.3	147.8

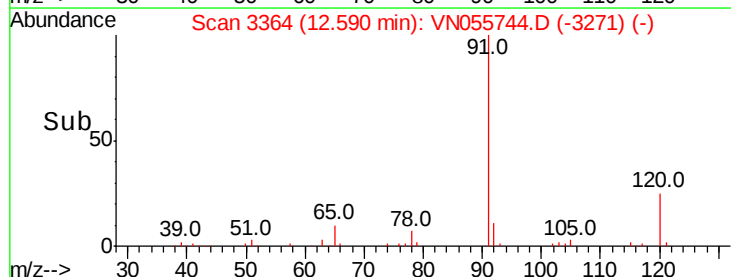
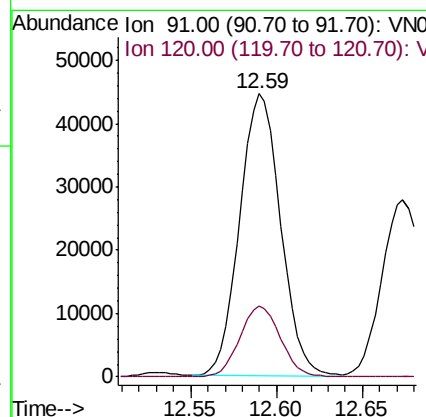
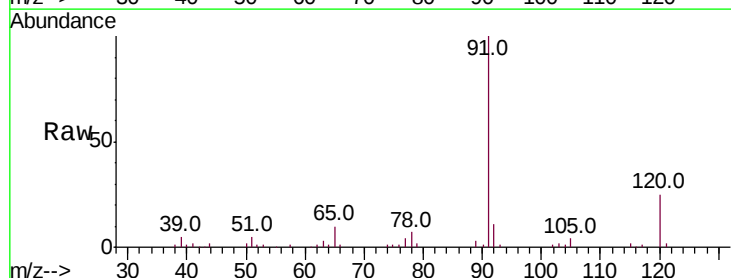
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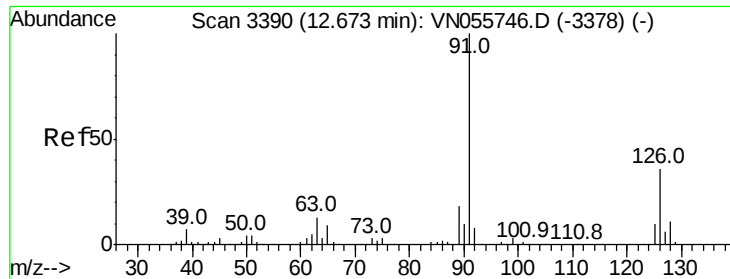
MMDadoda
5/24/2019 9:20:54 AM



#78
n-propylbenzene
Concen: 5.388 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.0	36.0





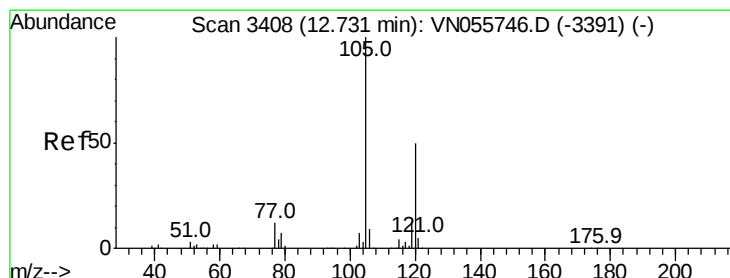
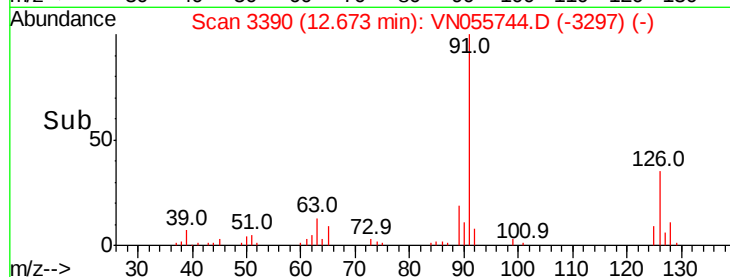
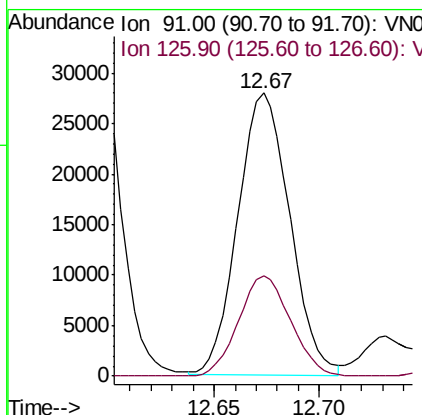
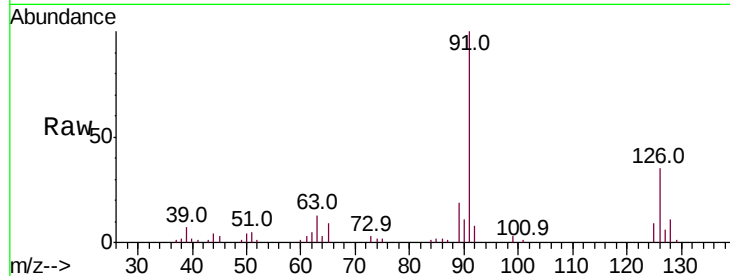
#79
 2-Chlorotoluene
 Concen: 5.767 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 47903
 Ion Ratio Lower Upper
 91 100
 126 35.5 18.1 54.4

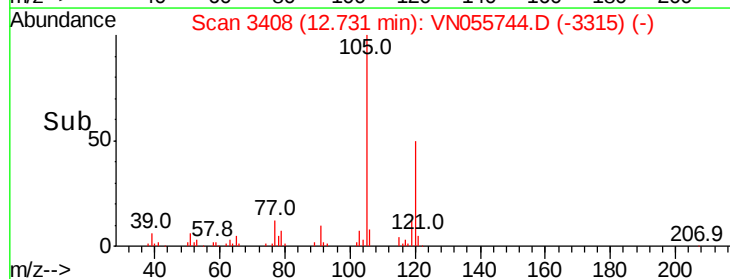
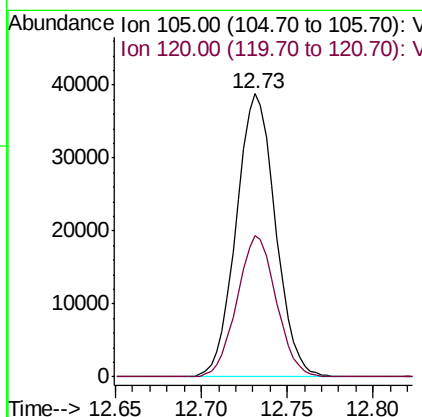
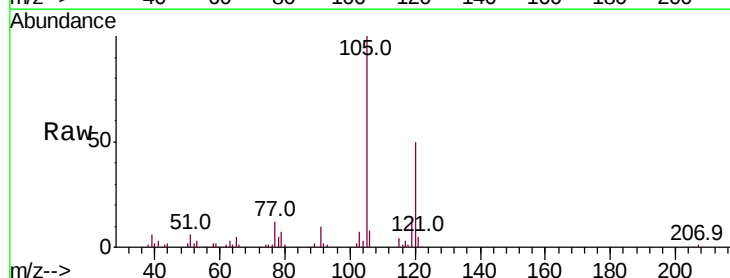
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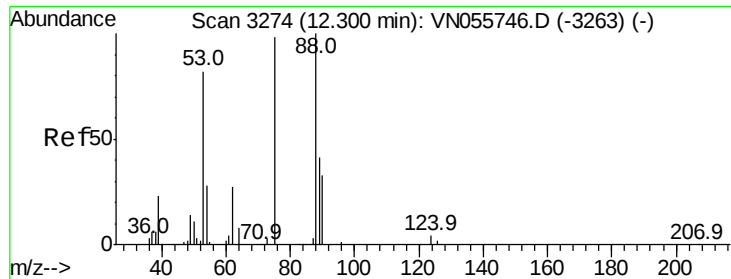
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.811 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion:105 Resp: 61401
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 5.458 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

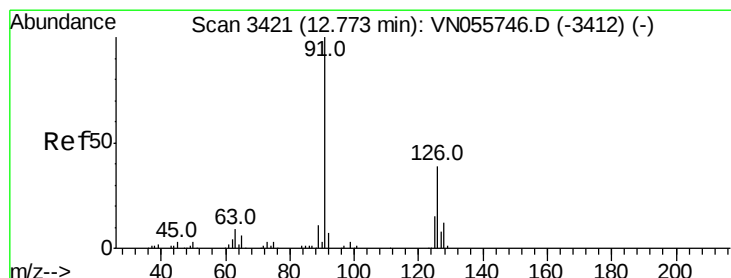
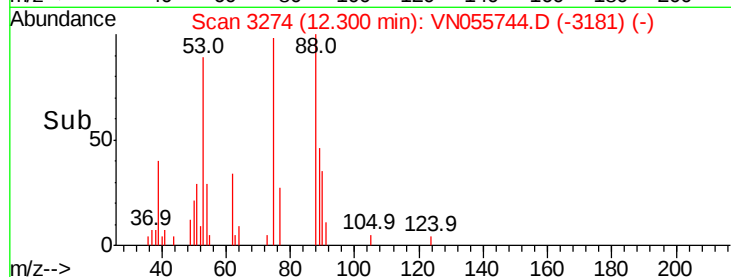
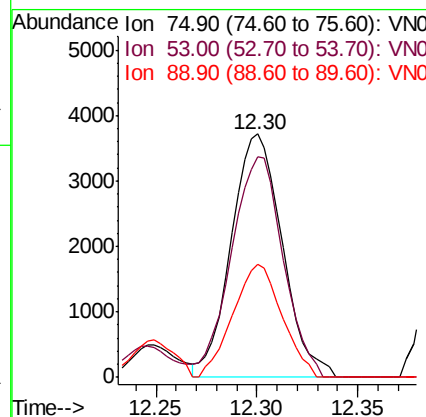
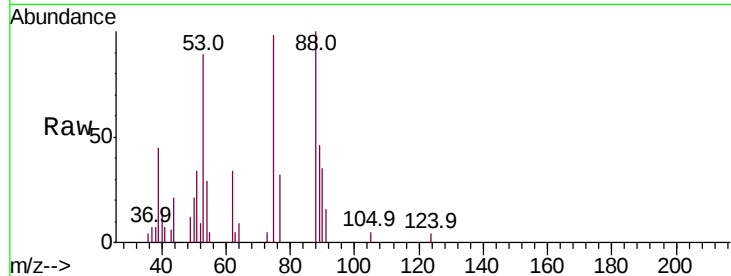
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6590
Ion	Ratio	Lower	Upper
75	100		
53	91.6	68.1	102.1
89	44.4	36.9	55.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.307 ug/l

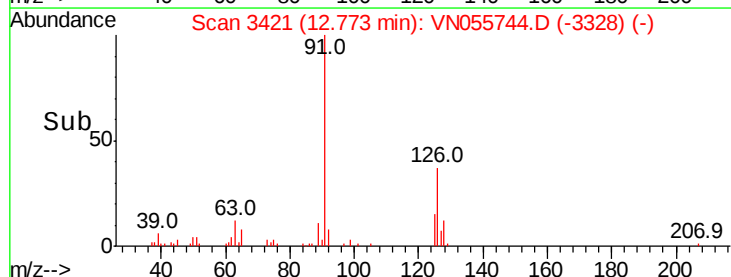
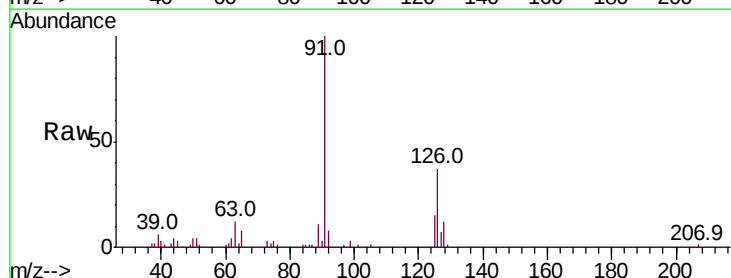
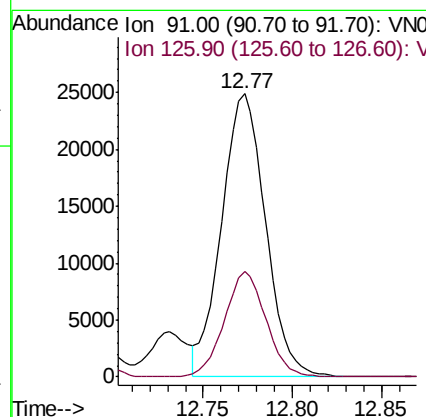
RT: 12.77 min Scan# 3421

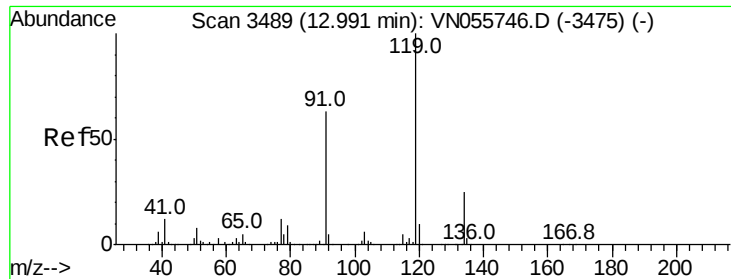
Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Tgt Ion:	91	Resp:	42666
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.8	53.3





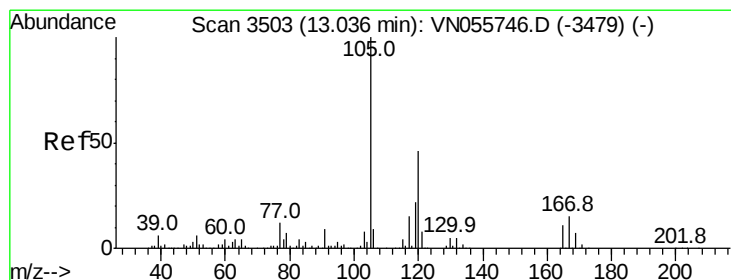
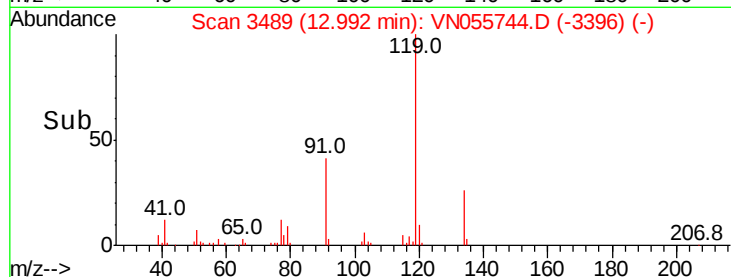
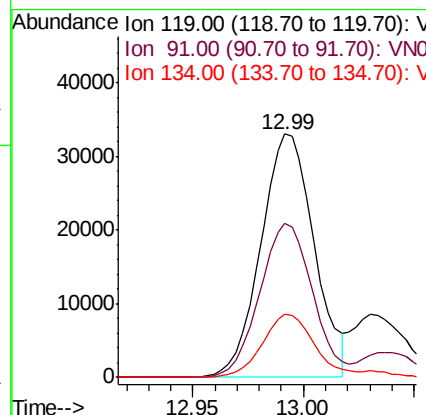
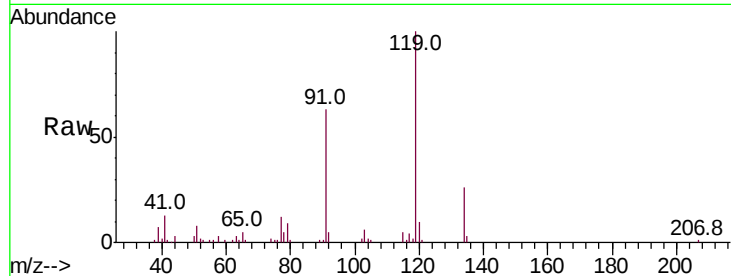
#83
tert-Butylbenzene
Concen: 5.977 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	30.9	92.8
134	26.7	13.3	39.8

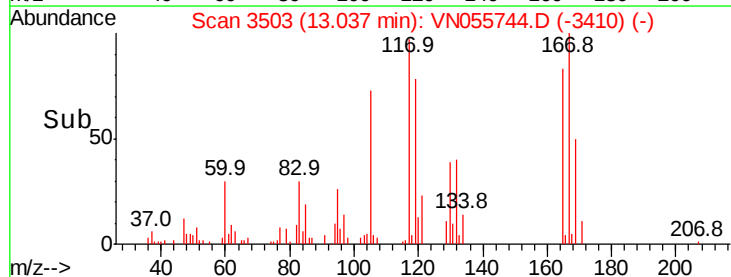
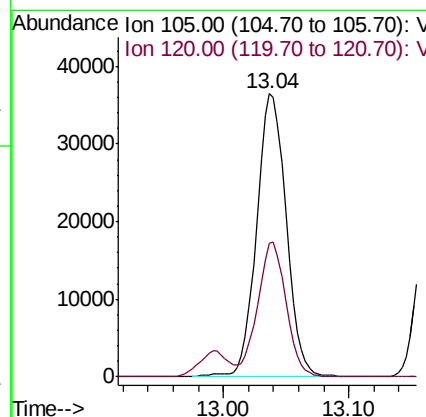
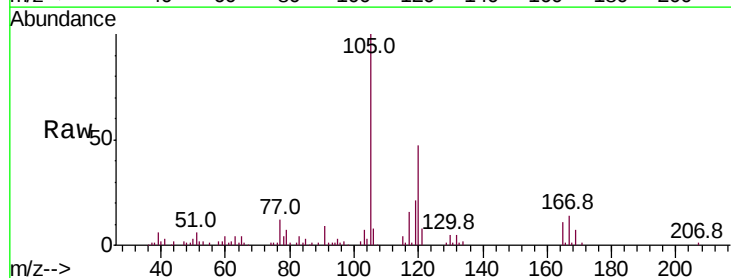
Manual Integrations
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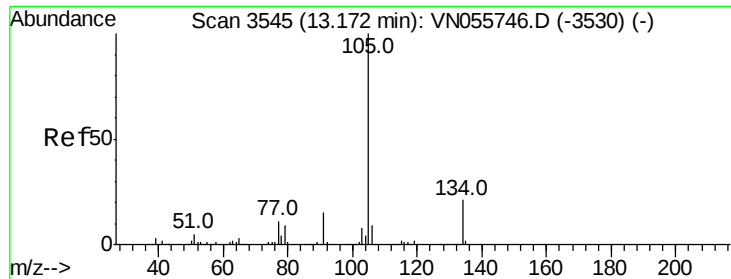
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#84
1,2,4-Trimethylbenzene
Concen: 5.764 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.0	69.0





#85

sec-Butylbenzene

Concen: 5.761 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 67822

Ion Ratio Lower Upper

105 100

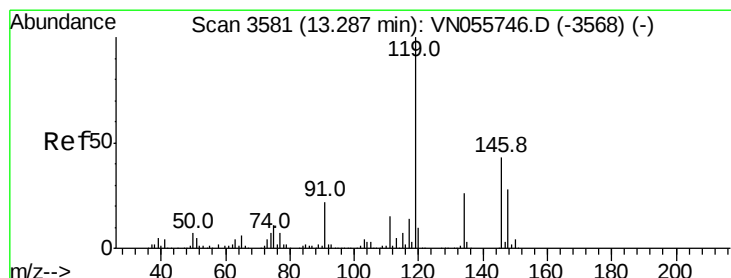
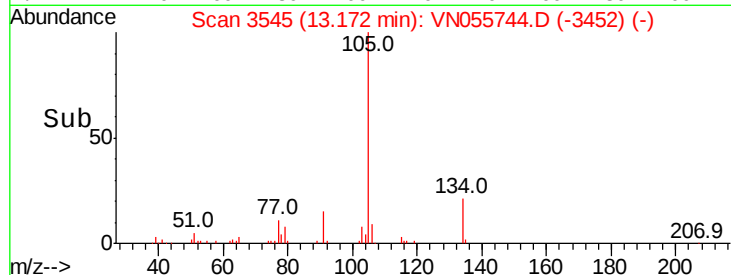
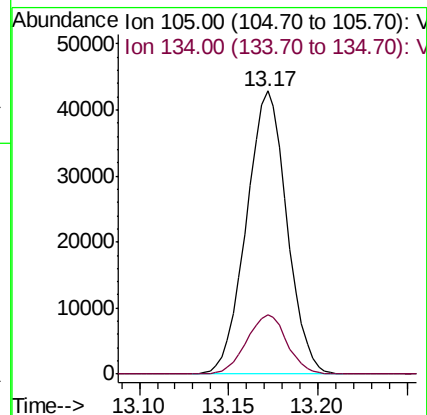
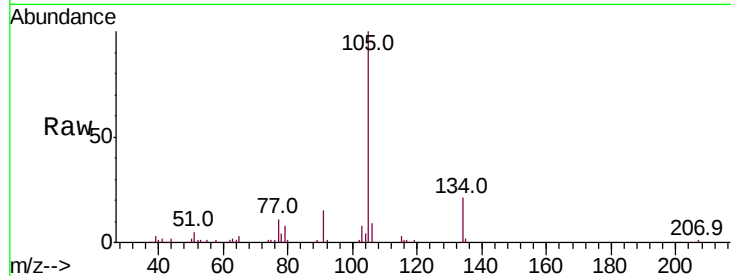
134 20.8 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.534 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055744.D

Acq: 23 May 2019 9:45

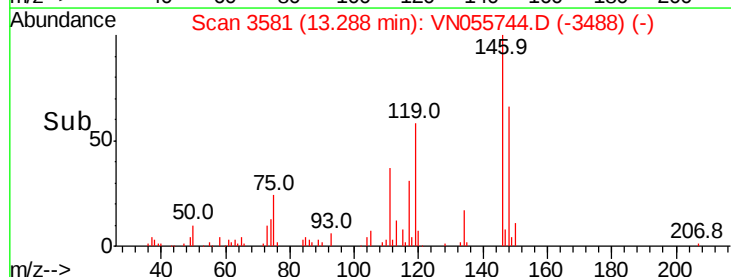
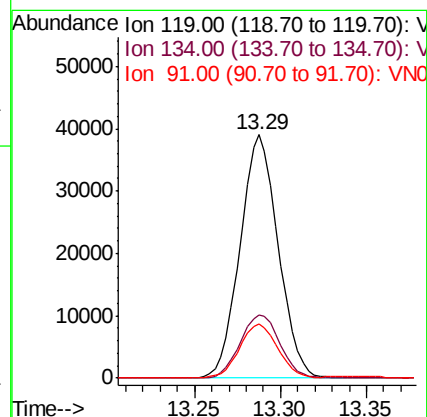
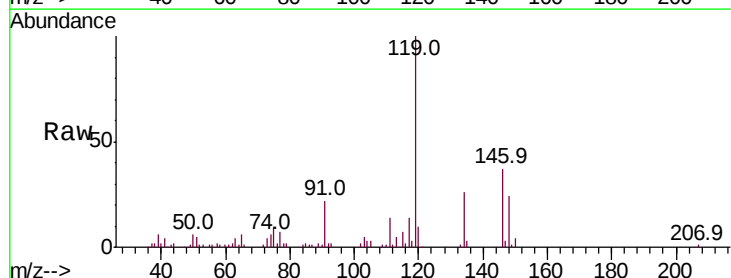
Tgt Ion:119 Resp: 59878

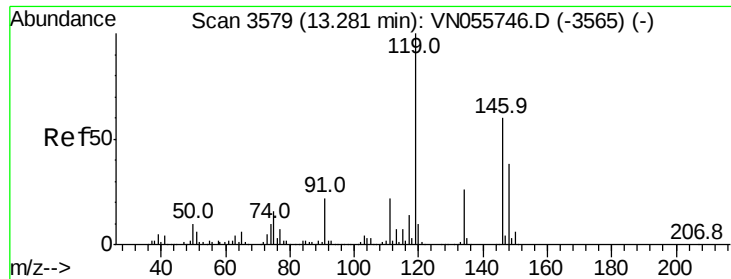
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.4 10.9 32.9





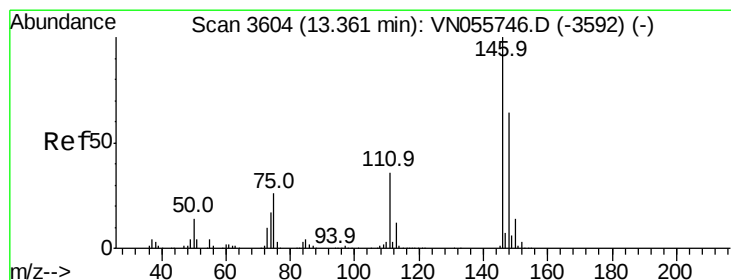
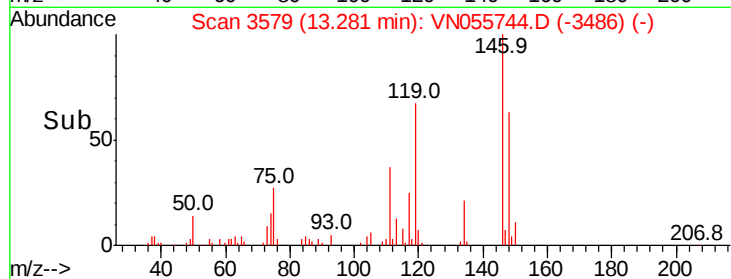
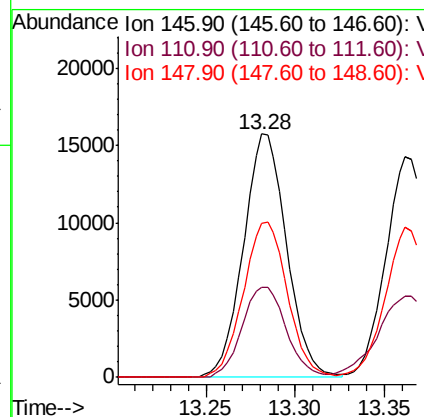
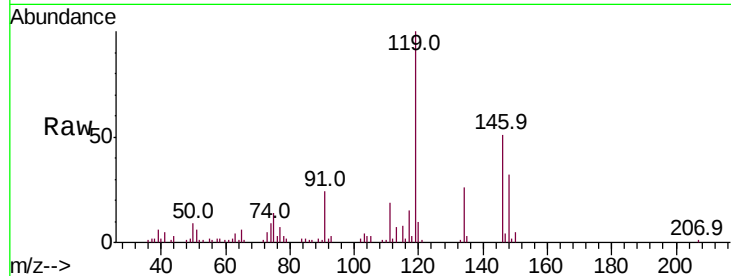
#87
 1,3-Dichlorobenzene
 Concen: 5.082 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.5	55.5
148	64.9	32.0	96.2

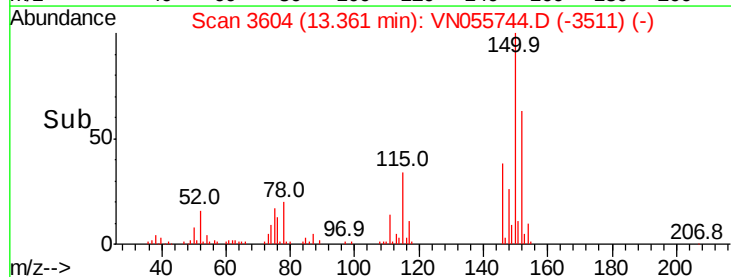
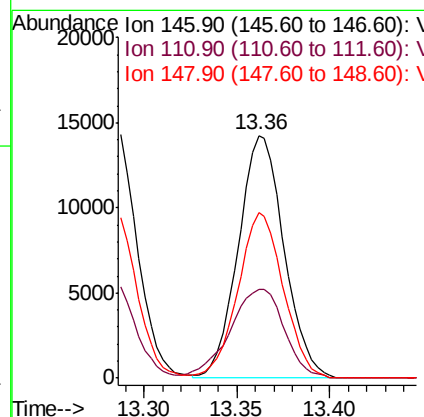
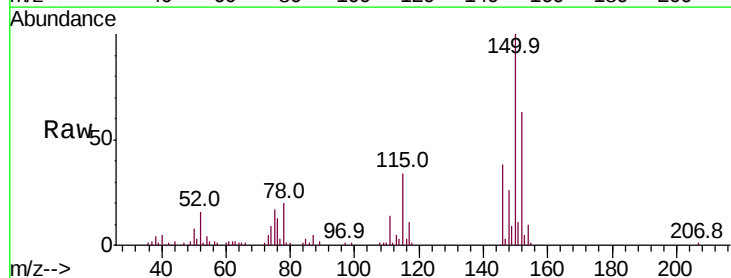
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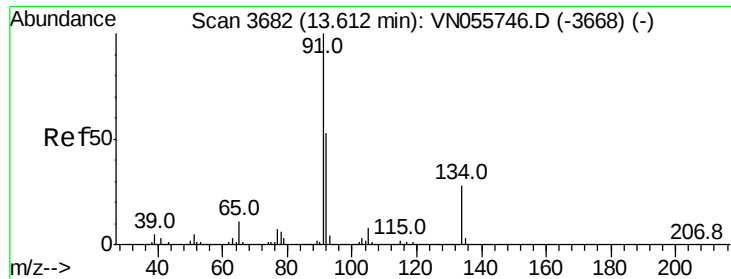
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#88
 1,4-Dichlorobenzene
 Concen: 4.908 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	18.1	54.4
148	67.8	32.1	96.5





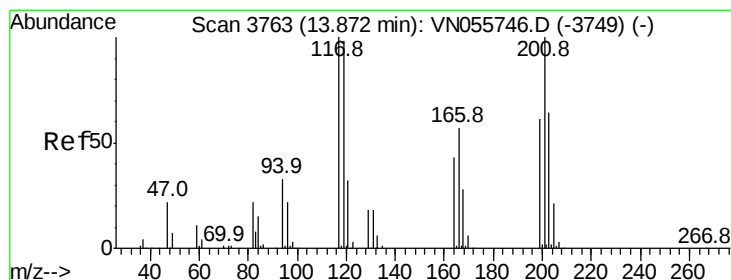
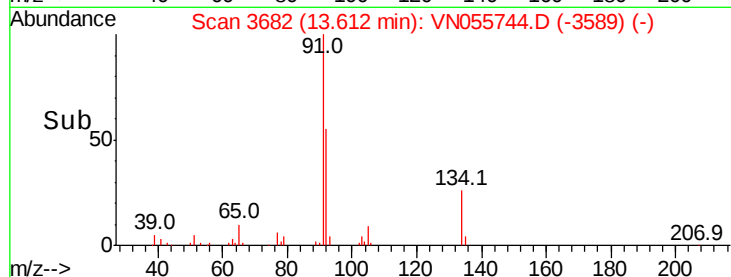
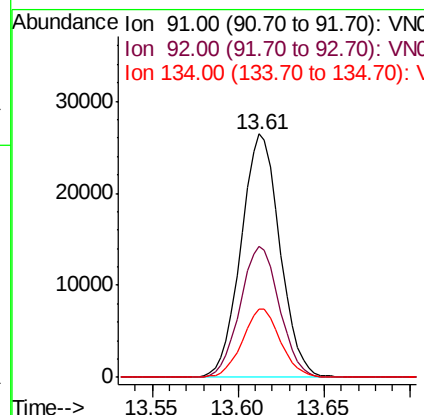
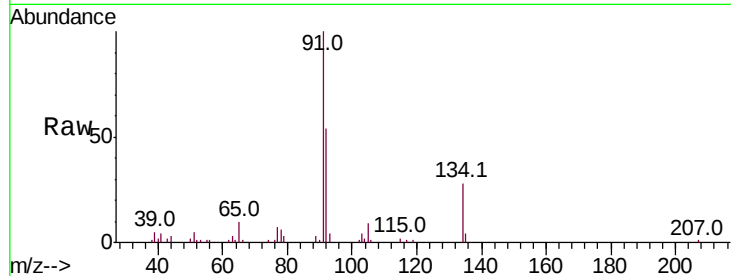
#89
n-Butylbenzene
Concen: 4.925 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.4	79.0
134	27.5	13.9	41.7

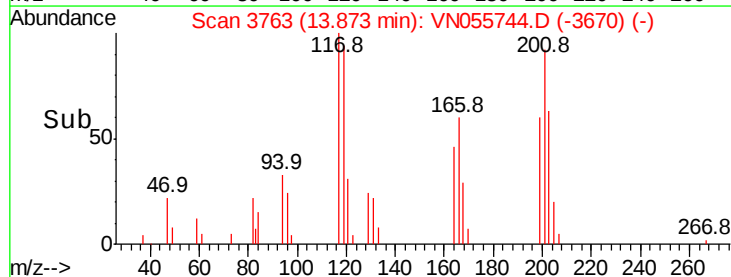
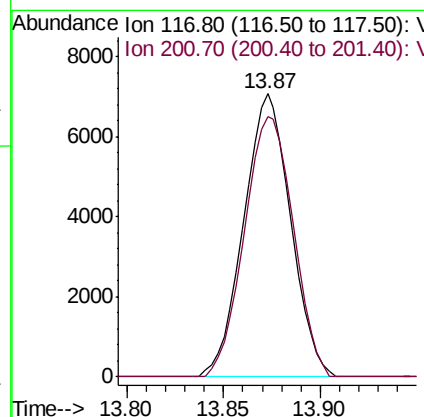
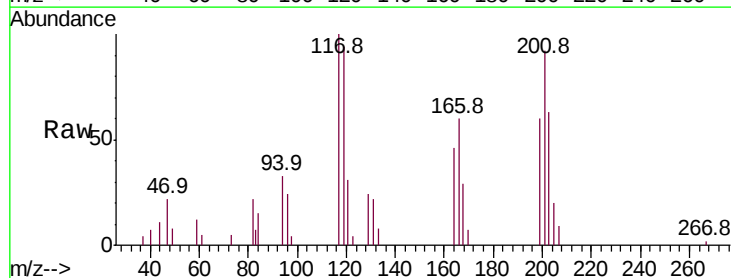
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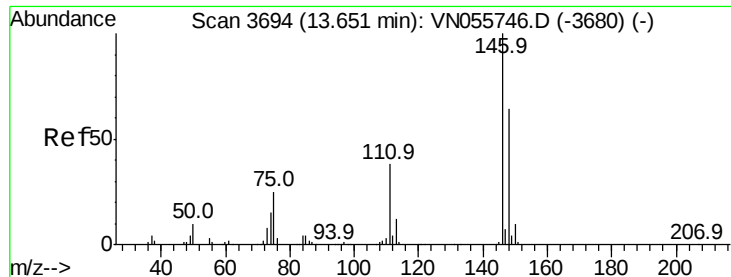
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#90
Hexachloroethane
Concen: 5.782 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	50.0	150.0





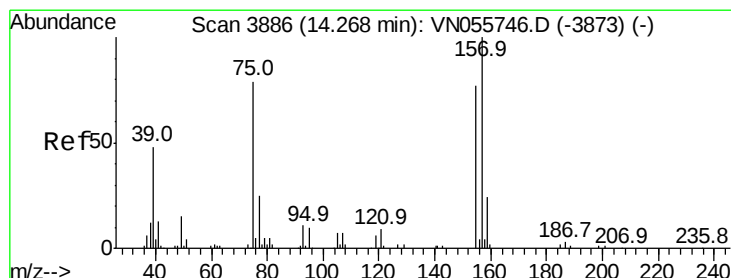
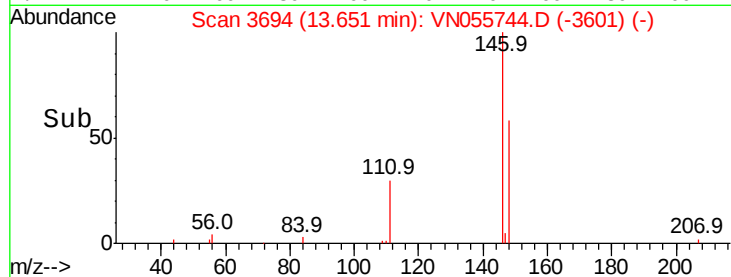
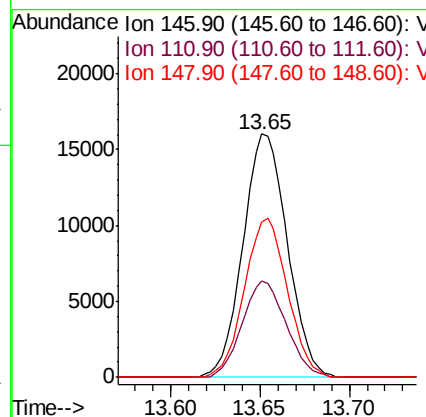
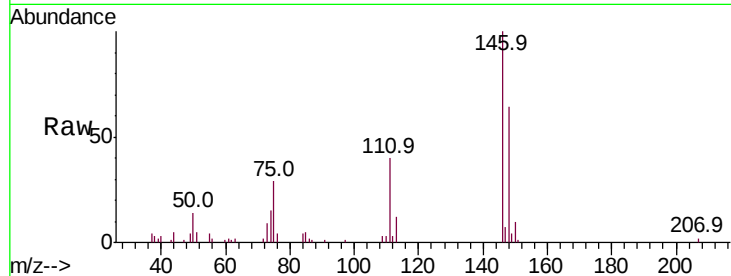
#91
 1,2-Dichlorobenzene
 Concen: 5.352 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.1	57.5
148	63.3	31.9	95.9

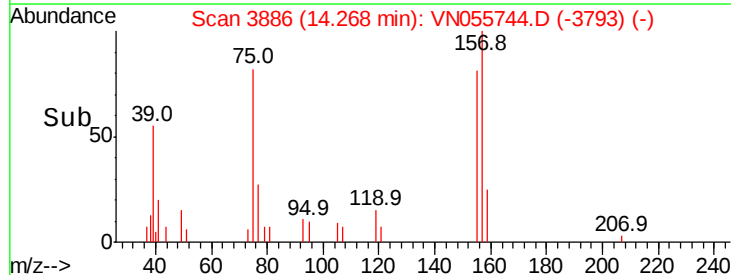
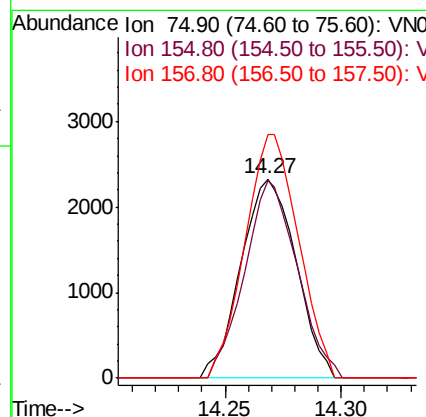
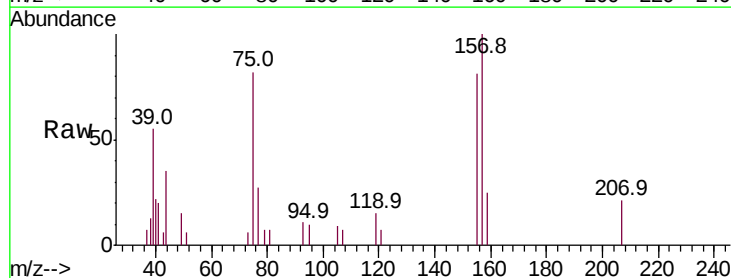
Manual Integrations
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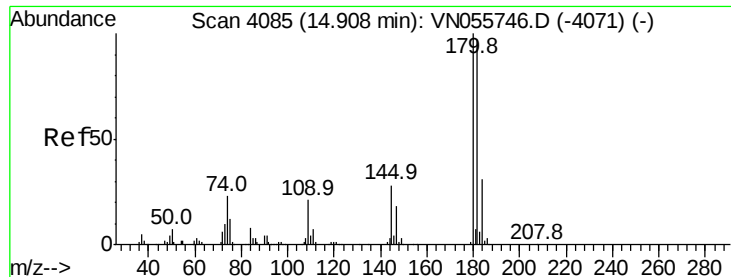
MMDadoda
 5/24/2019 9:20:54 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.562 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	50.0	150.1
157	119.1	64.8	194.3





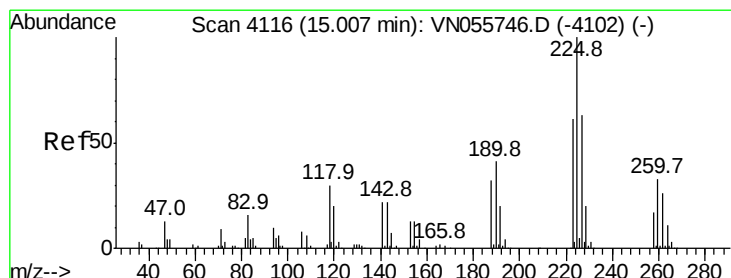
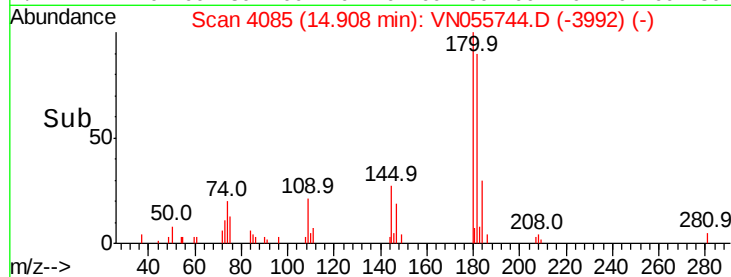
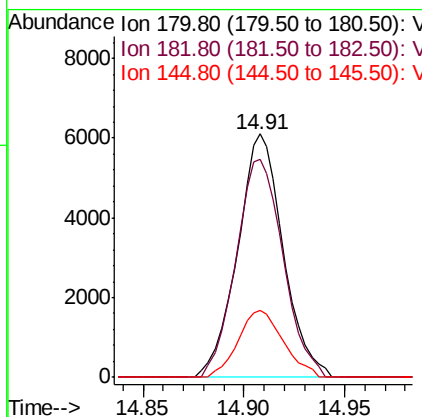
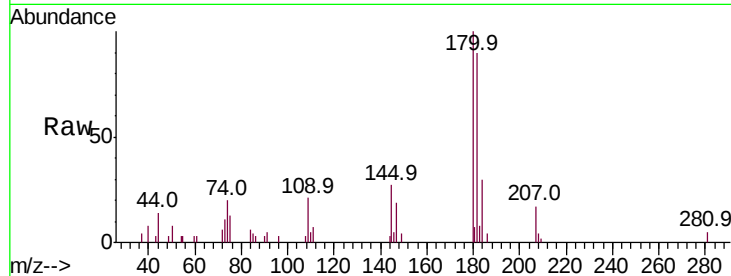
#93
 1,2,4-Trichlorobenzene
 Concen: 3.691 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	9650		
182	92.4	48.3	144.9	
145	27.3	14.0	41.9	

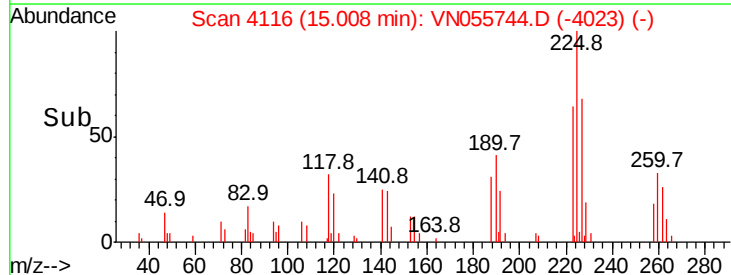
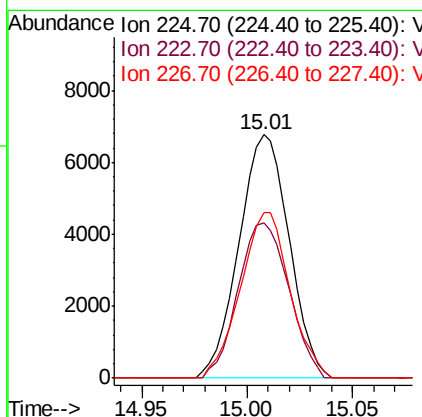
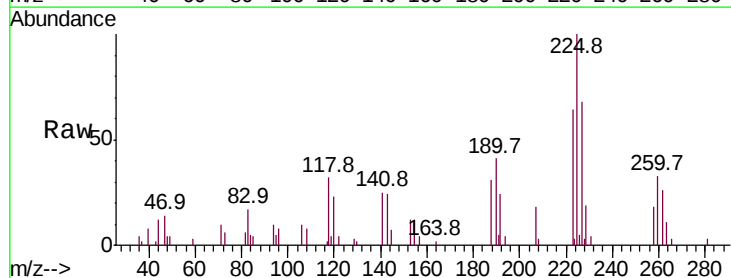
Manual Integrations
 APPROVED

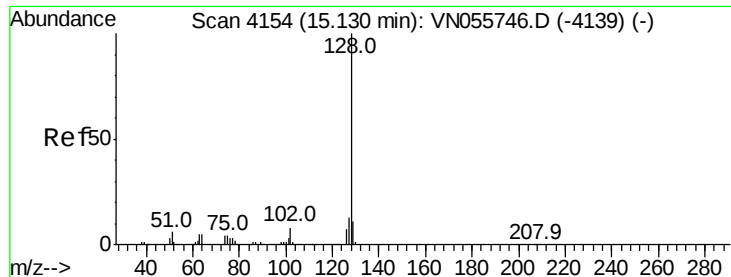
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 5/24/2019 9:20:54 AM



#94
 Hexachlorobutadiene
 Concen: 6.044 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055744.D
 Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11209		
223	64.2	30.9	92.7	
227	66.8	31.6	94.7	





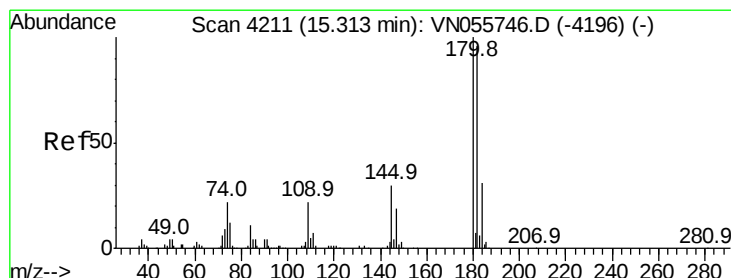
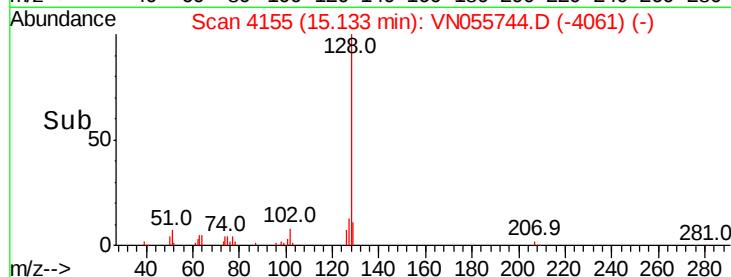
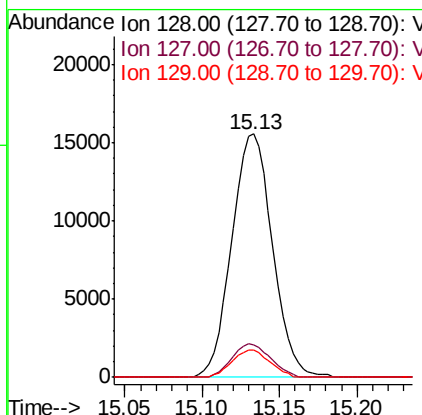
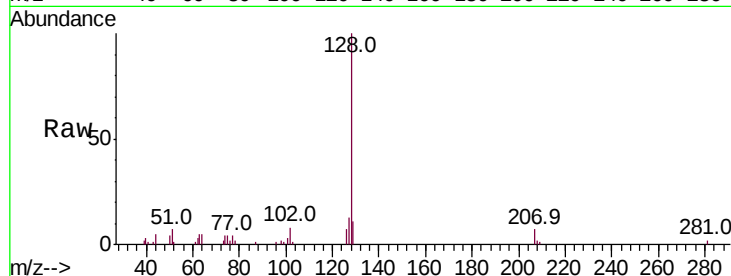
#95
Naphthalene
Concen: 4.020 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

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

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.231 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055744.D
Acq: 23 May 2019 9:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	29.0	14.9	44.7

