

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055792.D
 Acq On : 24 May 2019 13:37
 Operator : JC/SP
 Sample : VN0524MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:45 AM

Quant Time: May 25 04:44:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	357320	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	523432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	459605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	195992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185956	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.59	113	169312	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.09	98	628903	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	214401	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	43437	18.063	ug/l 97
3) Chloromethane	2.06	50	63126	18.735	ug/l 99
4) Vinyl Chloride	2.18	62	68482	19.056	ug/l 98
5) Bromomethane	2.54	94	50238	22.345	ug/l 98
6) Chloroethane	2.69	64	43596	20.149	ug/l 98
7) Trichlorofluoromethane	3.01	101	93290	19.800	ug/l 100
8) Diethyl Ether	3.40	74	42227	19.997	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	56317	19.148	ug/l 98
10) Methyl Iodide	3.94	142	87818	20.423	ug/l 100
11) Tert butyl alcohol	4.81	59	81654	115.812	ug/l 97
12) 1,1-Dichloroethene	3.73	96	60030	19.754	ug/l 96
13) Acrolein	3.60	56	42247	83.682	ug/l 99
14) Allyl chloride	4.31	41	99448	19.089	ug/l 100
15) Acrylonitrile	4.99	53	160394	99.070	ug/l 99
16) Acetone	3.82	43	146181	90.119	ug/l 99
17) Carbon Disulfide	4.04	76	157362	18.226	ug/l 100
18) Methyl Acetate	4.33	43	67189	19.606	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	201291	19.861	ug/l 99
20) Methylene Chloride	4.55	84	69017	19.647	ug/l 96
21) trans-1,2-Dichloroethene	5.03	96	63682	19.506	ug/l 97
22) Diisopropyl ether	5.96	45	198479	19.588	ug/l 97
23) Vinyl Acetate	5.90	43	842825	97.017	ug/l 100
24) 1,1-Dichloroethane	5.84	63	114740	19.449	ug/l 100
25) 2-Butanone	6.84	43	217237	95.894	ug/l 98
26) 2,2-Dichloropropane	6.82	77	94768	18.561	ug/l 100
27) cis-1,2-Dichloroethene	6.83	96	76599	20.110	ug/l 99
28) Bromochloromethane	7.19	49	56285	20.039	ug/l 98
29) Tetrahydrofuran	7.22	42	140435	97.891	ug/l 98
30) Chloroform	7.37	83	117514	19.974	ug/l 98
31) Cyclohexane	7.65	56	106270	19.187	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	103121	19.642	ug/l 99
36) 1,1-Dichloropropene	7.79	75	86140	18.884	ug/l 99
37) Ethyl Acetate	6.93	43	87978	19.956	ug/l 98
38) Carbon Tetrachloride	7.77	117	89979	18.937	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	103226	18.275	ug/l	99
40) Benzene	8.04	78	271740	19.767	ug/l	99
41) Methacrylonitrile	7.18	41	39581	17.771	ug/l	97
42) 1,2-Dichloroethane	8.12	62	88248	19.645	ug/l	100
43) Isopropyl Acetate	8.17	43	139905	18.887	ug/l #	92
44) Trichloroethene	8.83	130	79547	20.756	ug/l	95
45) 1,2-Dichloropropane	9.12	63	71034	19.832	ug/l	99
46) Dibromomethane	9.21	93	46919	19.974	ug/l	99
47) Bromodichloromethane	9.40	83	91846	19.068	ug/l	99
48) Methyl methacrylate	9.20	41	67650	19.816	ug/l	97
49) 1,4-Dioxane	9.20	88	26759	377.190	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	425939	97.362	ug/l	99
52) Toluene	10.16	92	173787	20.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	96370	18.744	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	109619	19.246	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	68251	19.704	ug/l	99
56) Ethyl methacrylate	10.43	69	105058	19.625	ug/l	99
57) 1,3-Dichloropropane	10.71	76	110773	19.675	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	193004	94.344	ug/l	99
59) 2-Hexanone	10.75	43	298734	96.257	ug/l	100
60) Dibromochloromethane	10.90	129	76848	19.045	ug/l	99
61) 1,2-Dibromoethane	11.00	107	71066	19.780	ug/l	99
64) Tetrachloroethene	10.63	164	78671	20.295	ug/l	99
65) Chlorobenzene	11.43	112	184960	20.103	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	70615	19.243	ug/l	99
67) Ethyl Benzene	11.51	91	324043	19.639	ug/l	99
68) m/p-Xylenes	11.62	106	251935	40.389	ug/l	97
69) o-Xylene	11.95	106	124026	20.041	ug/l	99
70) Styrene	11.96	104	200590	20.015	ug/l	99
71) Bromoform	12.13	173	58913	18.822	ug/l #	100
73) Isopropylbenzene	12.25	105	321951	21.577	ug/l	99
74) N-amyl acetate	12.07	43	112153	19.753	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	95414	21.200	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	77749m	21.226	ug/l	
77) Bromobenzene	12.53	156	86466	20.674	ug/l	96
78) n-propylbenzene	12.59	91	336015	19.726	ug/l	99
79) 2-Chlorotoluene	12.67	91	206762	21.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	263068	20.929	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26273	18.036	ug/l	97
82) 4-Chlorotoluene	12.77	91	199016	19.875	ug/l	98
83) tert-Butylbenzene	12.99	119	237517	21.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	267541	21.501	ug/l	99
85) sec-Butylbenzene	13.17	105	295668	21.042	ug/l	100
86) p-Isopropyltoluene	13.29	119	268515	19.728	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	131698	19.887	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	125078	19.866	ug/l	98
89) n-Butylbenzene	13.61	91	195735	18.769	ug/l	99
90) Hexachloroethane	13.87	117	48837	18.851	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	134760	20.396	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16382	18.864	ug/l	98

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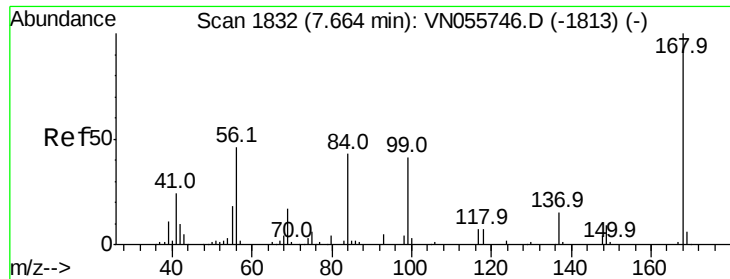
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	60105	18.298	ug/l	99
94) Hexachlorobutadiene	15.01	225	48924	19.943	ug/l	98
95) Naphthalene	15.13	128	167140	18.435	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	64247	18.395	ug/l	98

(#) = 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: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion:168 Resp: 357320

Ion Ratio Lower Upper

168 100

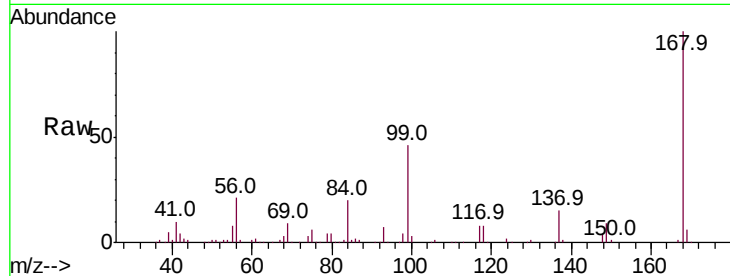
99 45.3 37.2 55.8

Manual Integrations

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5/28/2019 10:35:45 AM



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

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

7.66

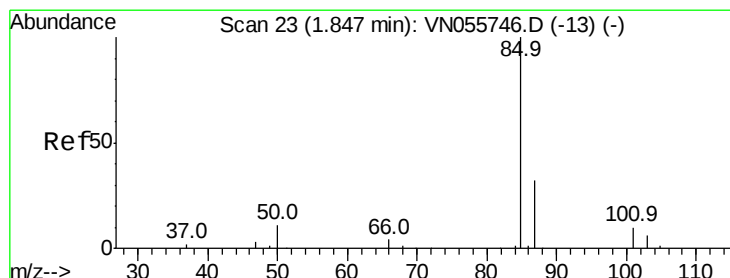
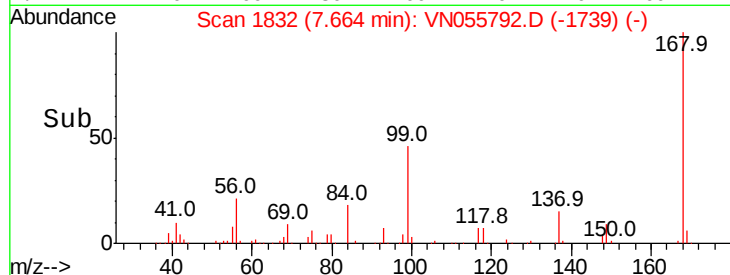
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.063 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055792.D

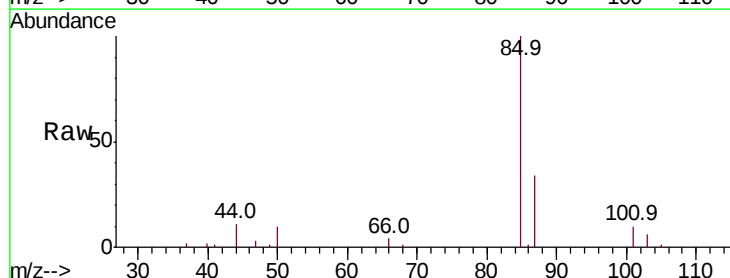
Acq: 24 May 2019 13:37

Tgt Ion: 85 Resp: 43437

Ion Ratio Lower Upper

85 100

87 33.8 16.1 48.3



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

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

1.85

30000

25000

20000

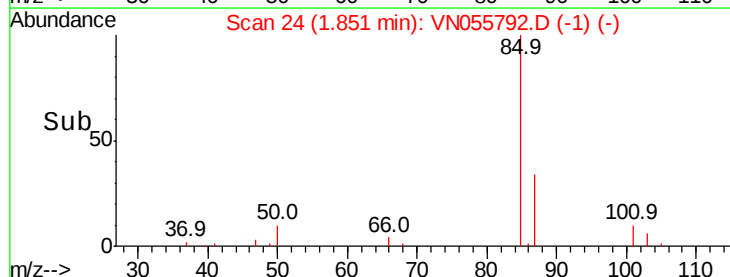
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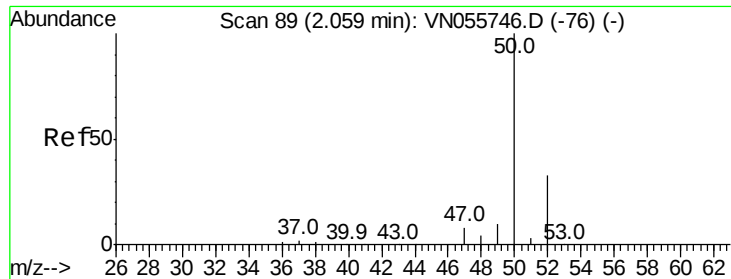
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5000

0

Time-->





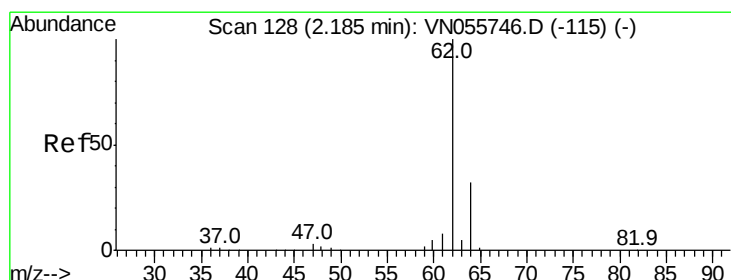
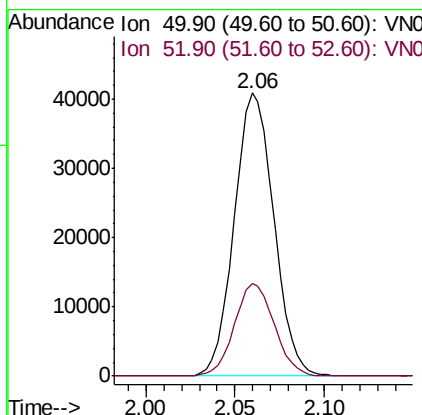
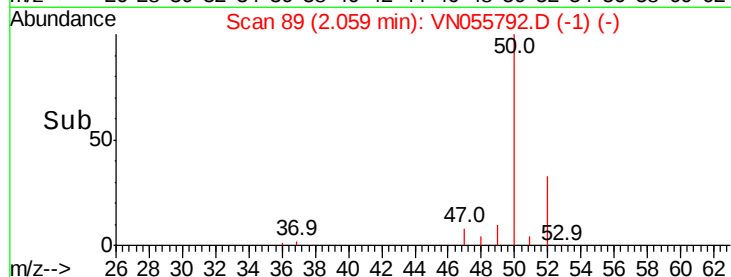
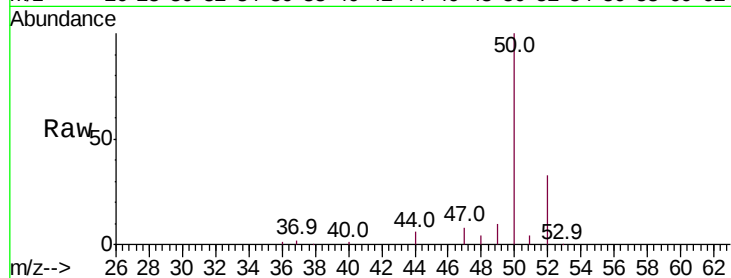
#3
Chloromethane
Concen: 18.735 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion: 50 Resp: 63126
Ion Ratio Lower Upper
50 100
52 32.9 26.6 40.0

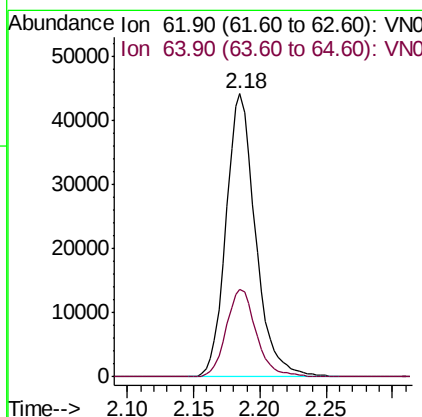
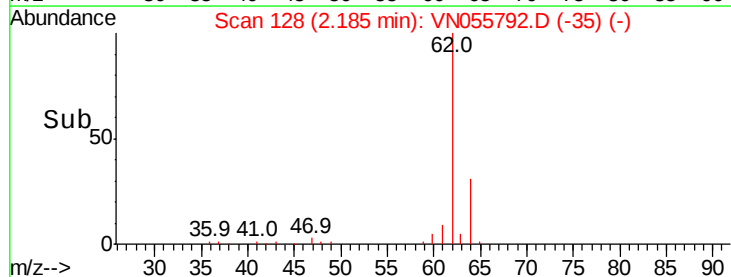
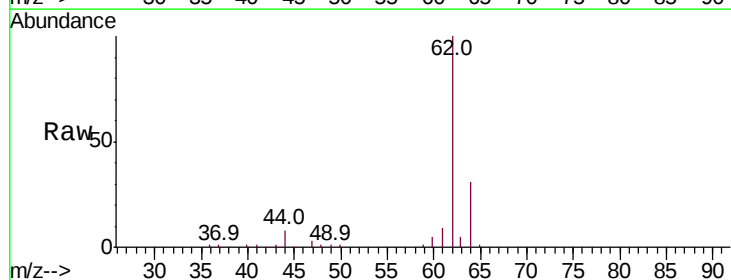
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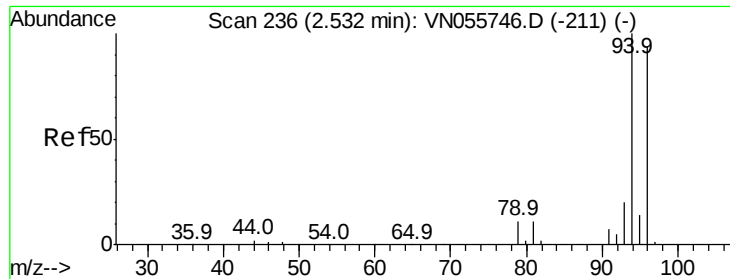
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#4
Vinyl Chloride
Concen: 19.056 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 62 Resp: 68482
Ion Ratio Lower Upper
62 100
64 30.8 25.6 38.4





#5

Bromomethane

Concen: 22.345 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion: 94 Resp: 50238

Ion Ratio Lower Upper

94 100

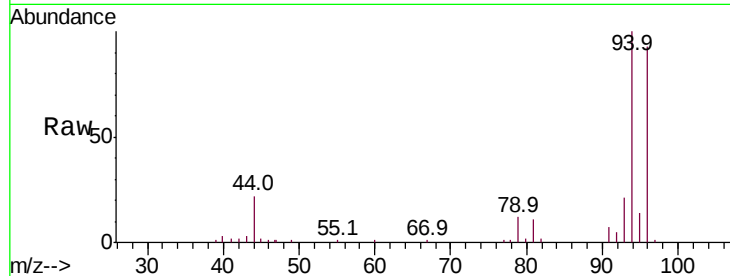
96 92.7 75.5 113.3

Manual Integrations

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5/28/2019 10:35:45 AM



Abundance Ion 93.90 (93.60 to 94.60): VN055746.D (-211) (-)

Ion 95.90 (95.60 to 96.60): VN055792.D (-143) (-)

25000

20000

15000

10000

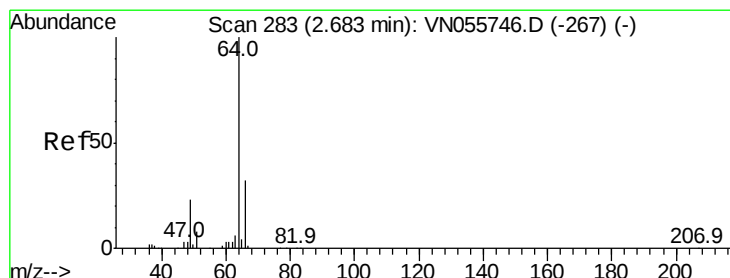
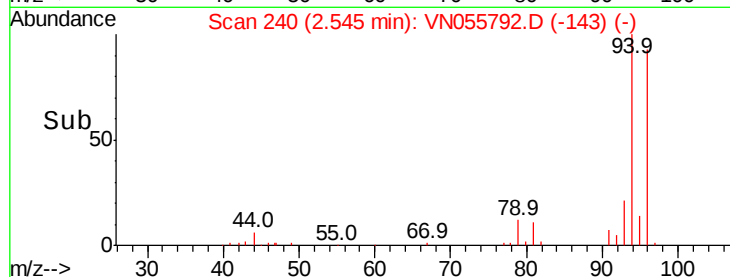
5000

0

2.54

2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 20.149 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN055792.D

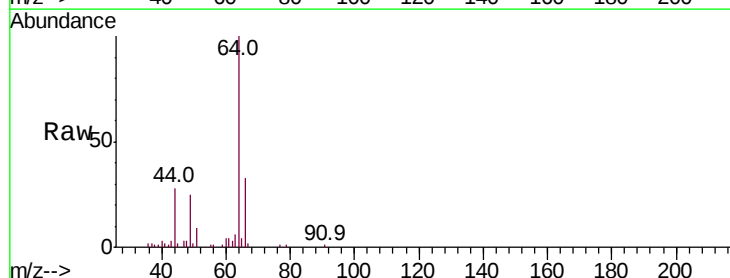
Acq: 24 May 2019 13:37

Tgt Ion: 64 Resp: 43596

Ion Ratio Lower Upper

64 100

66 32.8 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN055746.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN055792.D (-190) (-)

20000

15000

10000

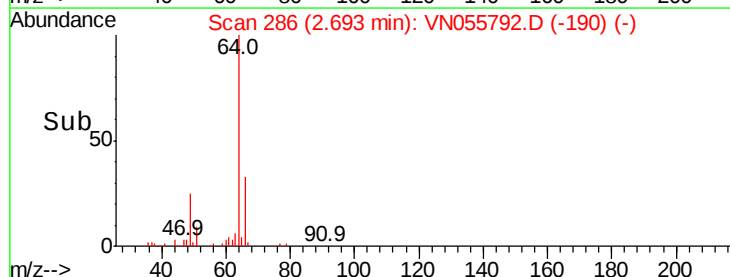
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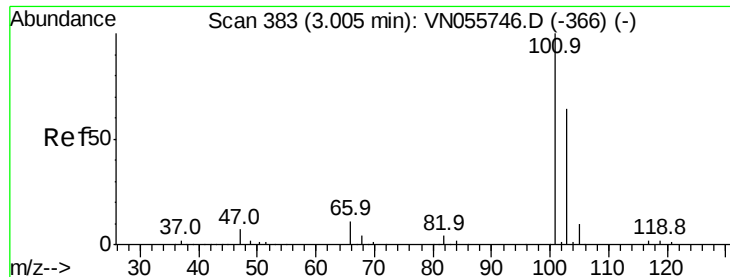
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2.69

2.60 2.65 2.70 2.75 2.80

Time-->





#7

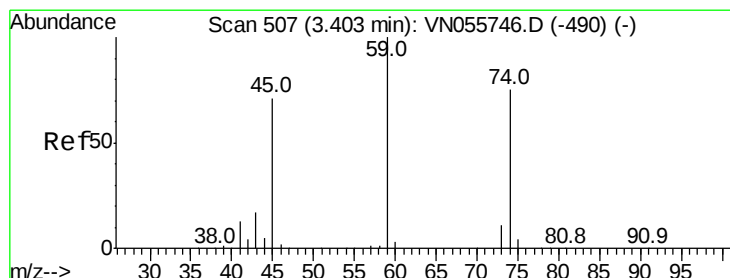
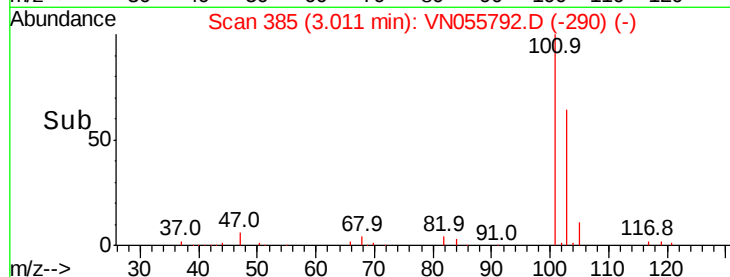
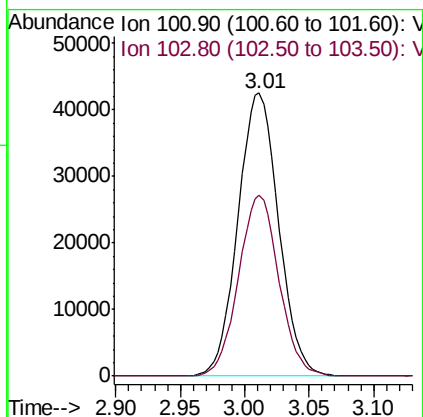
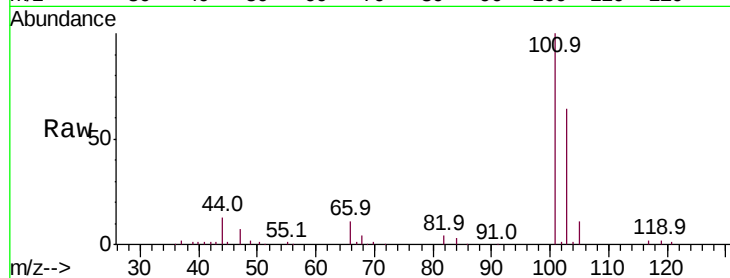
Trichlorofluoromethane
Concen: 19.800 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.01 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion:101 Resp: 93290
Ion Ratio Lower Upper
101 100
103 63.8 51.2 76.8

Manual Integrations
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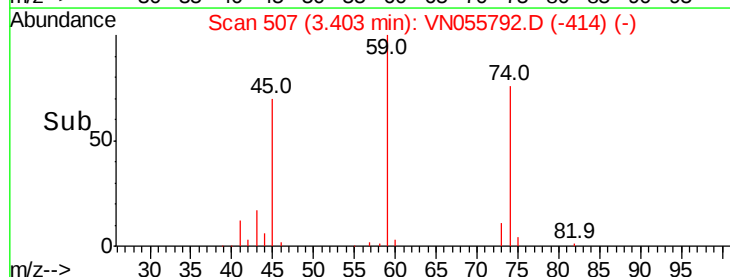
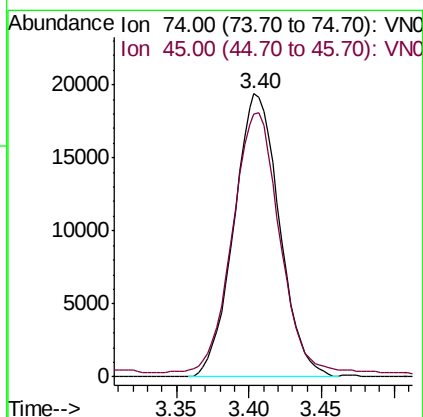
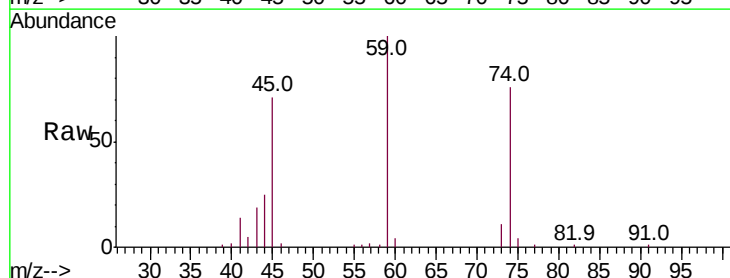
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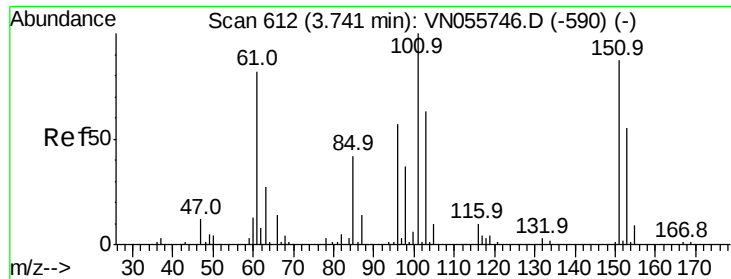


#8

Diethyl Ether
Concen: 19.997 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 74 Resp: 42227
Ion Ratio Lower Upper
74 100
45 94.3 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.148 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

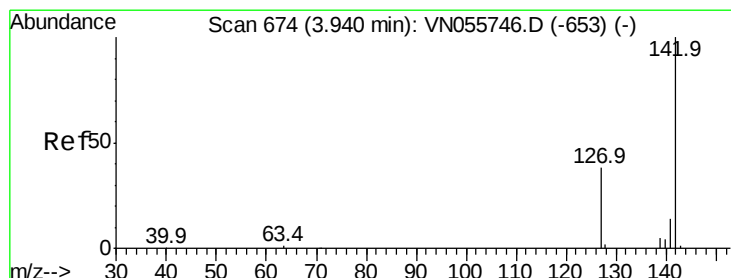
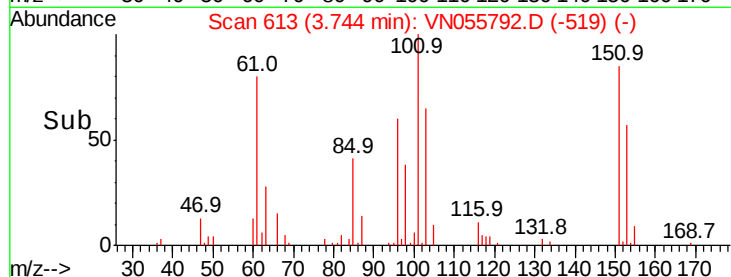
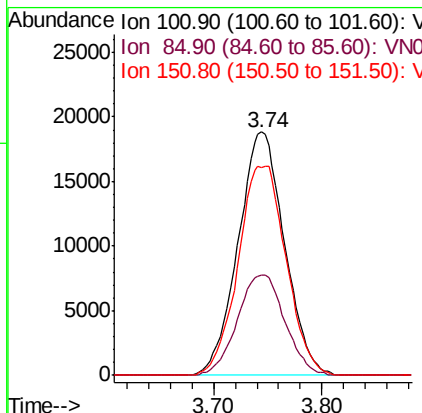
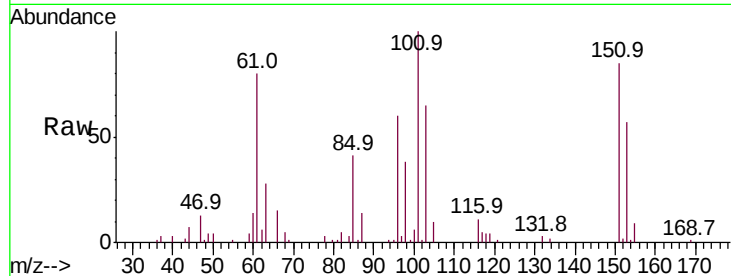
ClientSampleId :

VN0524MBS01

Tot Ion:	101	Resp:	56317
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	89.0	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 20.423 ug/l

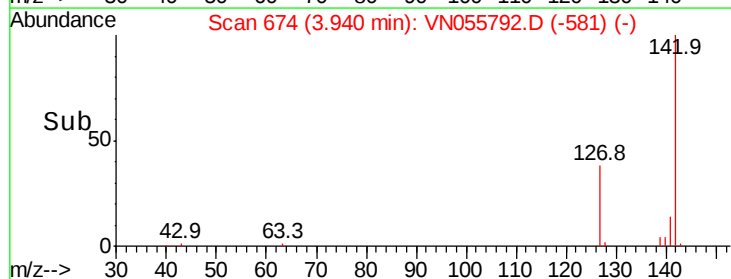
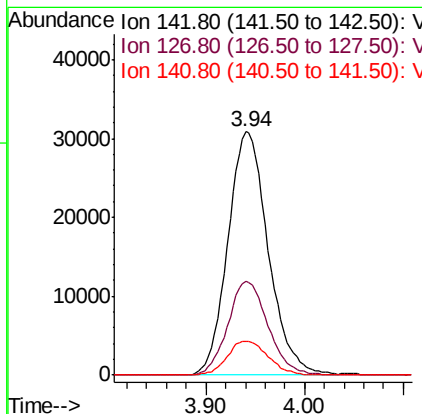
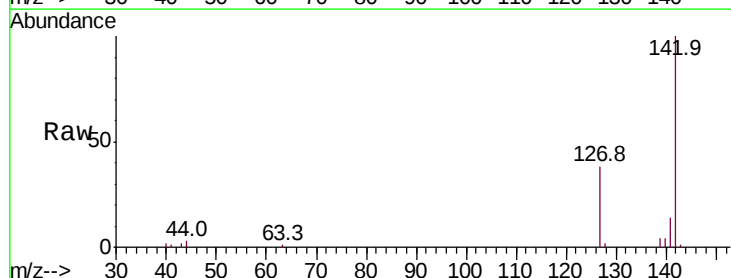
RT: 3.94 min Scan# 674

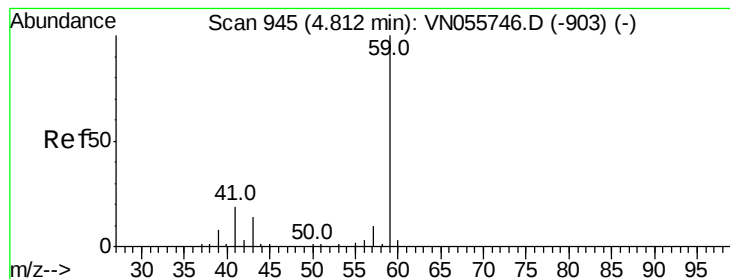
Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Tgt Ion:	142	Resp:	87818
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.0	46.4
141	14.1	11.4	17.0





#11

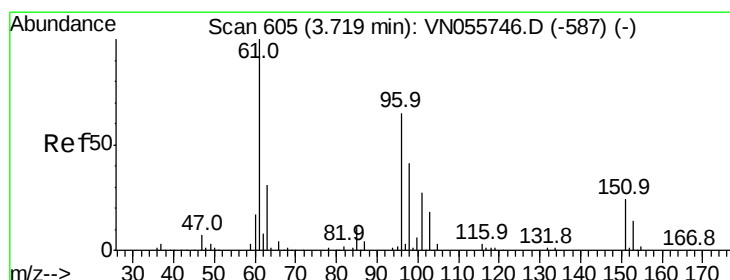
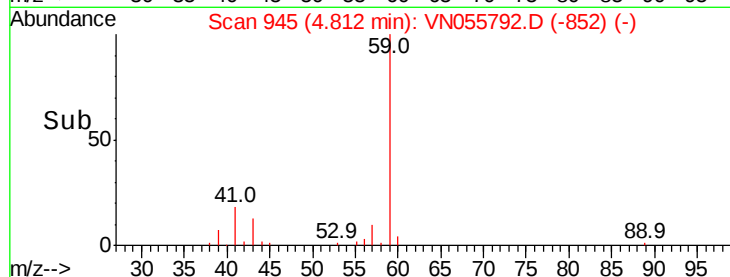
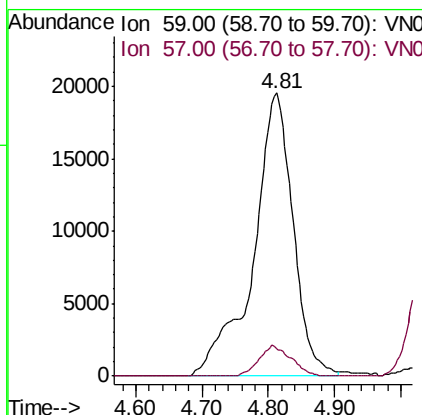
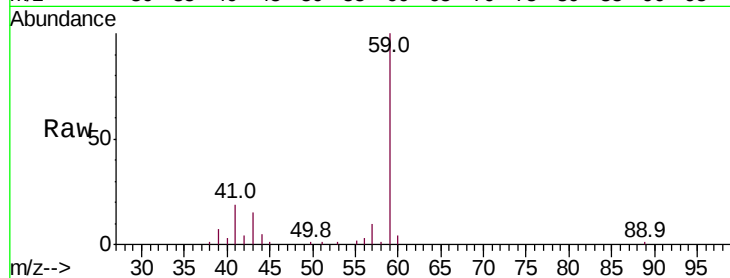
Tert butyl alcohol
 Concen: 115.812 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.8	11.6

Manual Integrations
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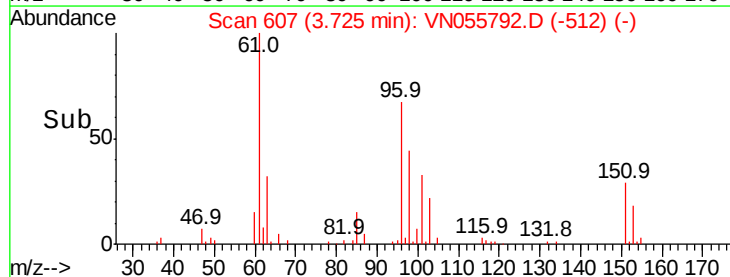
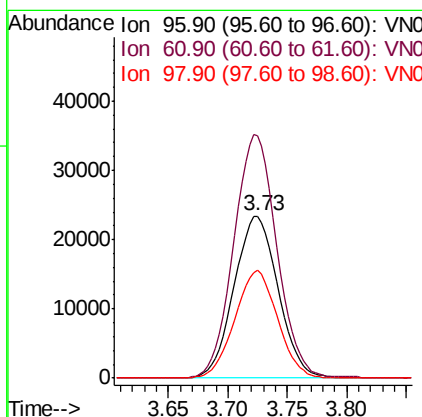
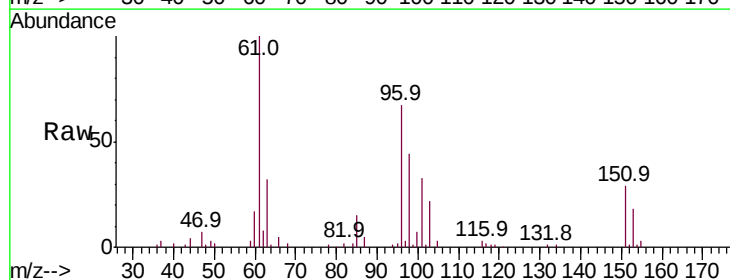
MMDadoda
 5/28/2019 10:35:45 AM

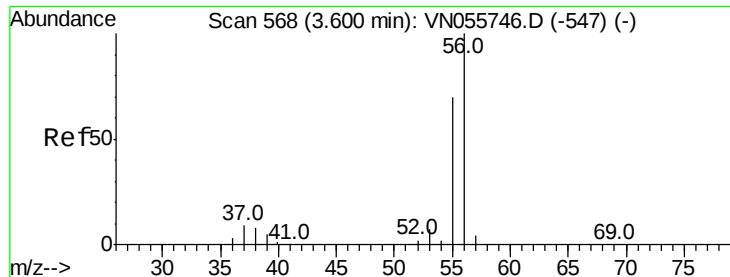


#12

1,1-Dichloroethene
 Concen: 19.754 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	123.2	184.8
98	66.4	50.4	75.6





#13

Acrolein

Concen: 83.682 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion: 56 Resp: 42247

Ion Ratio Lower Upper

56 100

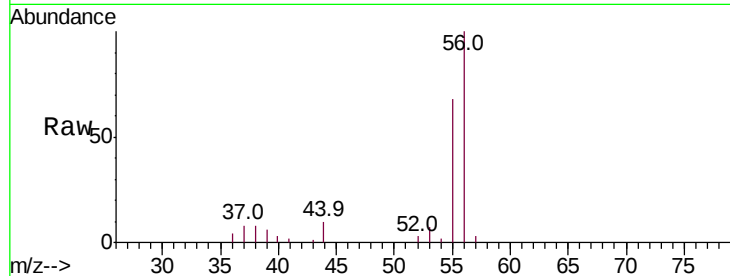
55 70.2 55.4 83.2

Manual Integrations

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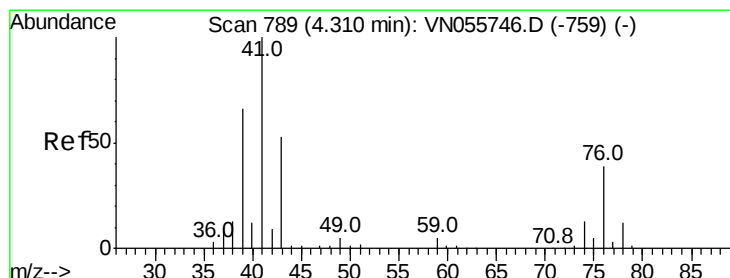
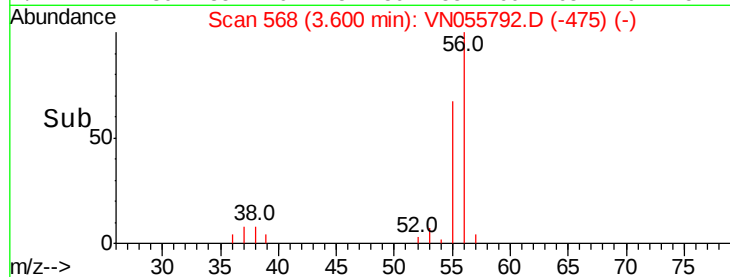
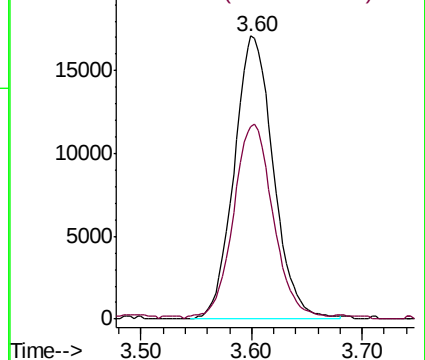
MMDadoda

5/28/2019 10:35:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.089 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

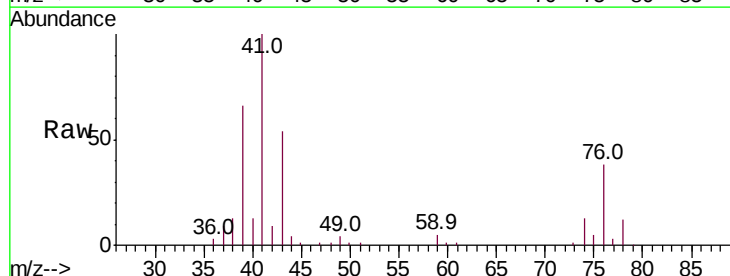
Tgt Ion: 41 Resp: 99448

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

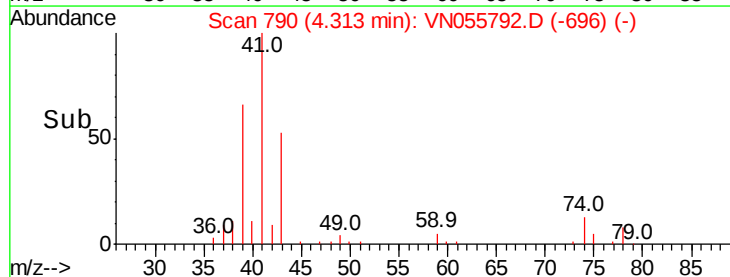
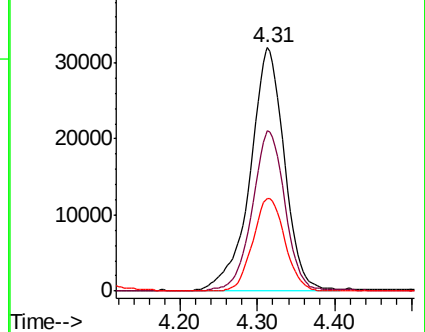
76 35.4 28.2 42.2

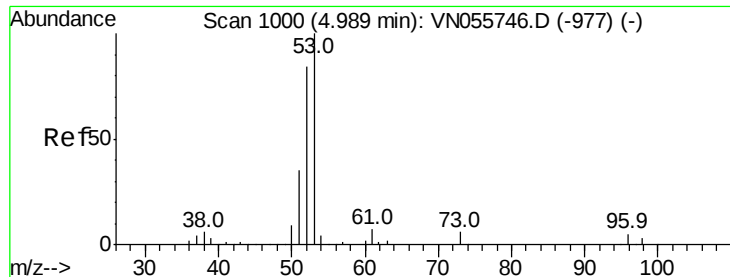


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





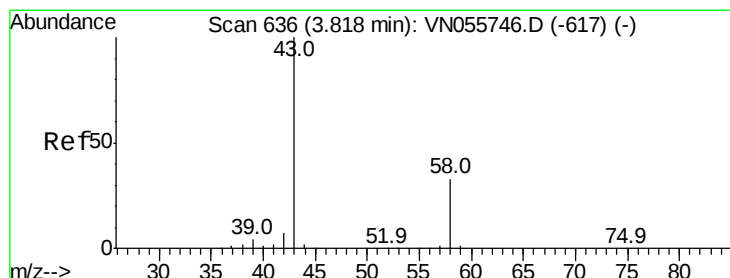
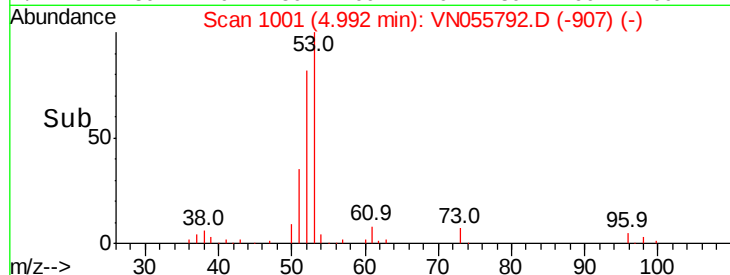
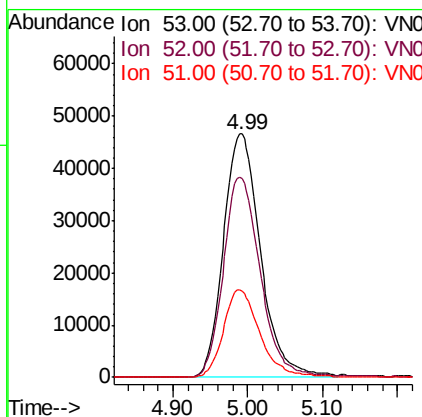
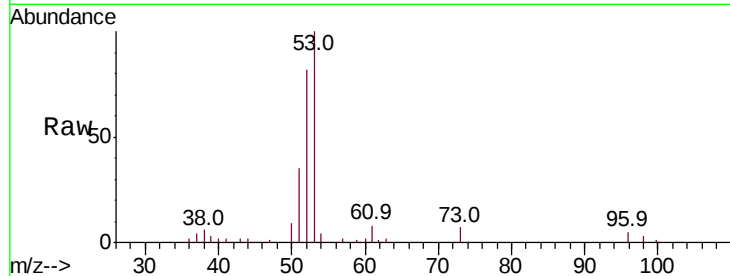
#15
 Acrylonitrile
 Concen: 99.070 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.8	98.8
51	35.5	28.2	42.4

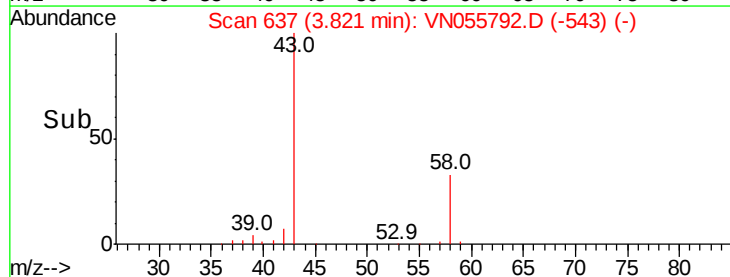
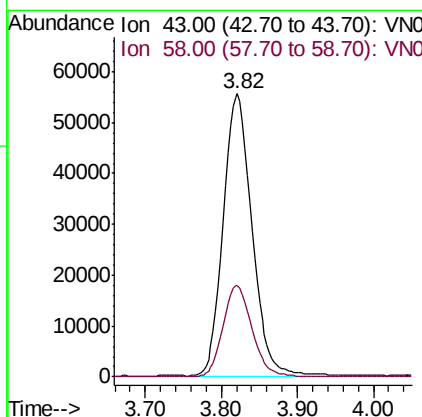
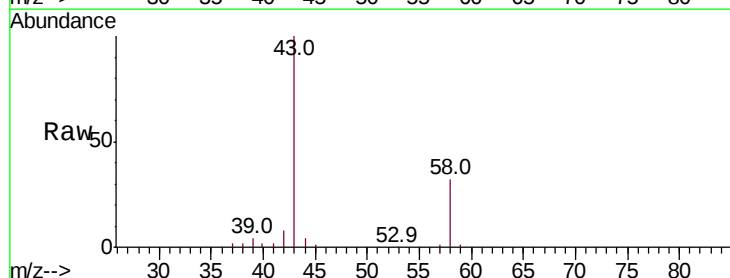
Manual Integrations
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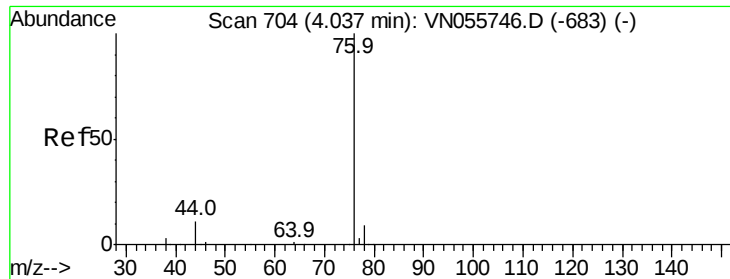
MMDadoda
 5/28/2019 10:35:45 AM



#16
 Acetone
 Concen: 90.119 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.6	39.8





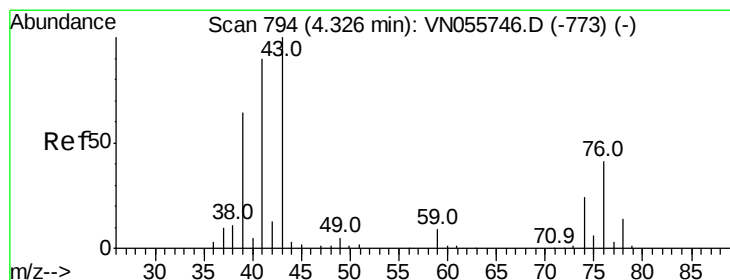
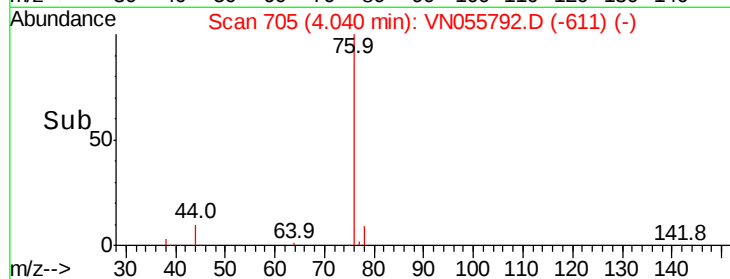
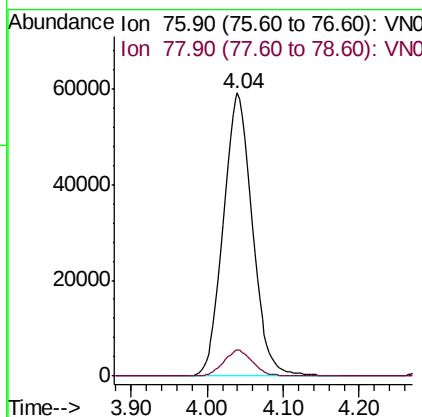
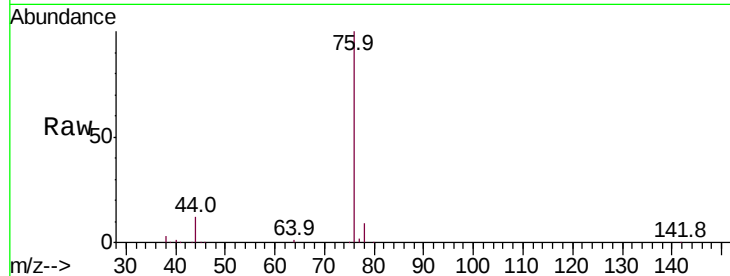
#17
Carbon Disulfide
Concen: 18.226 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

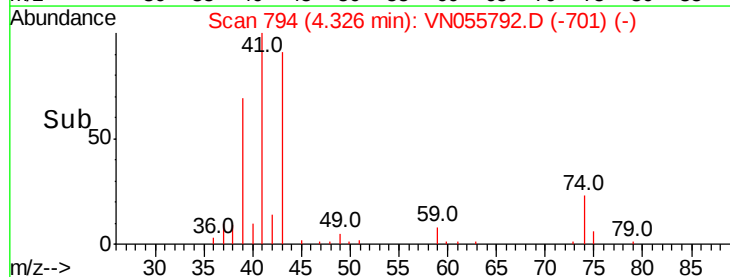
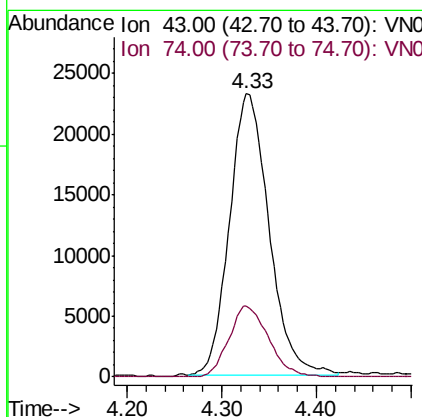
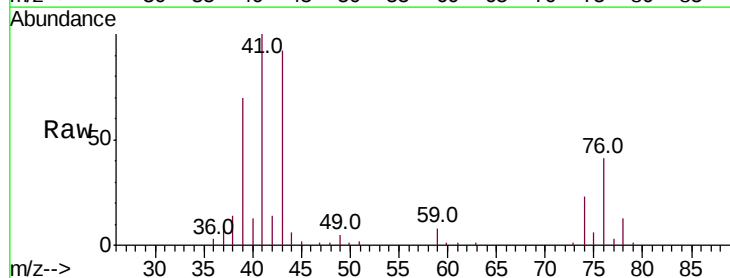
Manual Integrations
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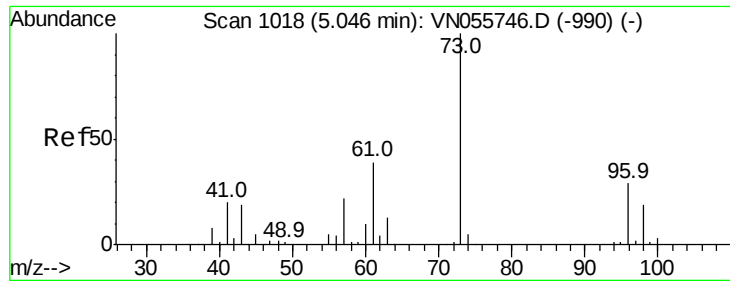
MMDadoda
5/28/2019 10:35:45 AM



#18
Methyl Acetate
Concen: 19.606 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.3	28.9





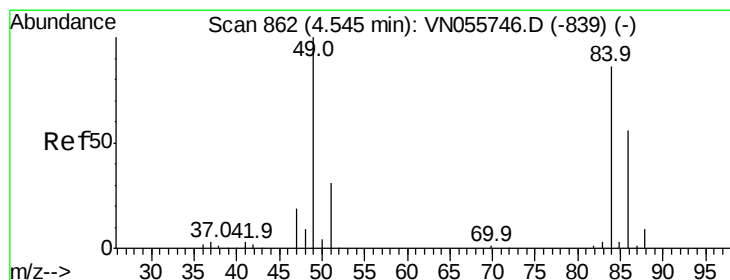
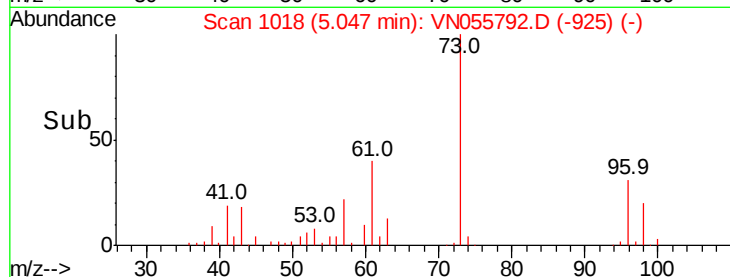
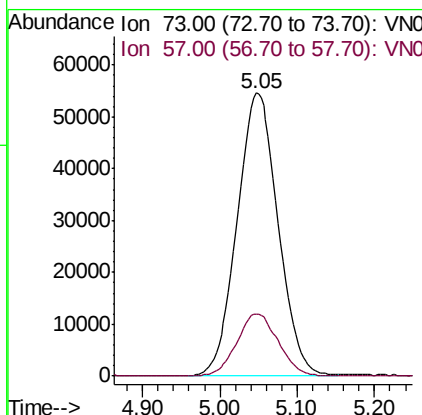
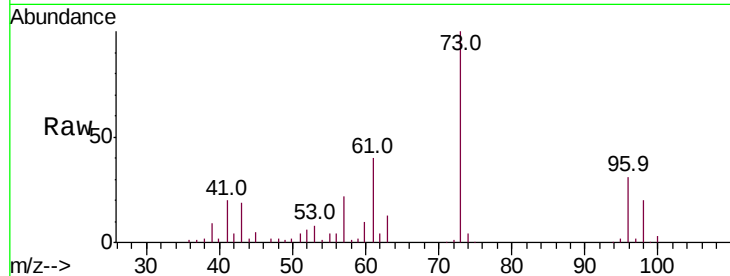
#19
Methvl tert-butvl Ether
Concen: 19.861 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion: 73 Resp: 201291
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8

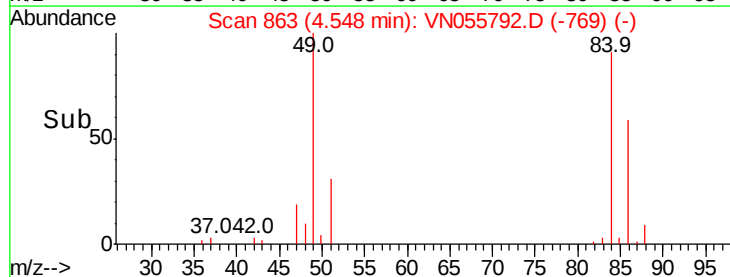
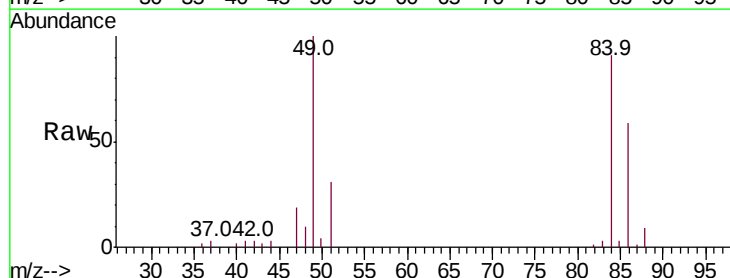
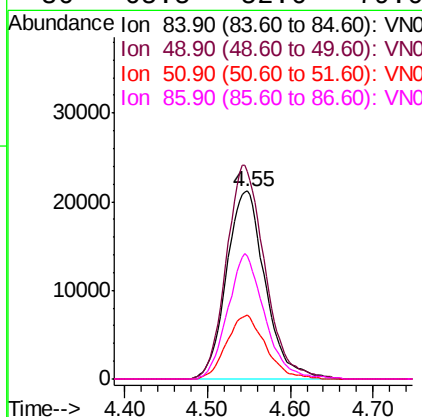
Manual Integrations
APPROVED

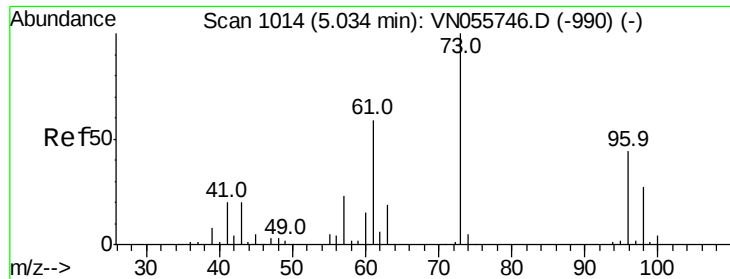
MMDadoda
5/28/2019 10:35:45 AM



#20
Methylene Chloride
Concen: 19.647 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 84 Resp: 69017
Ion Ratio Lower Upper
84 100
49 110.5 93.5 140.3
51 33.9 28.6 43.0
86 65.5 52.6 79.0





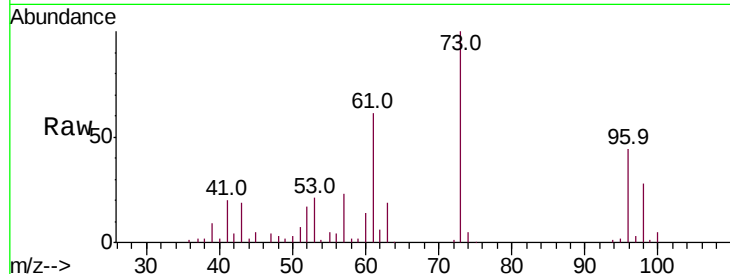
#21
trans-1,2-Dichloroethene
Concen: 19.506 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	107.8	161.8
98	64.4	49.8	74.8

Manual Integrations
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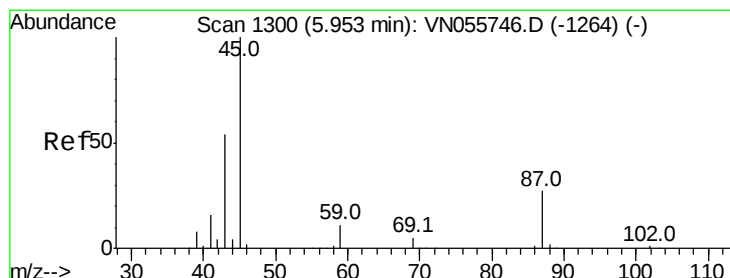
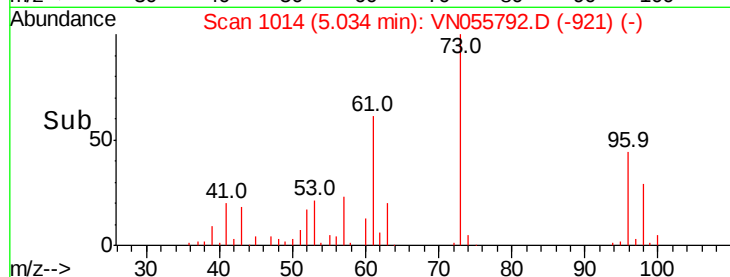
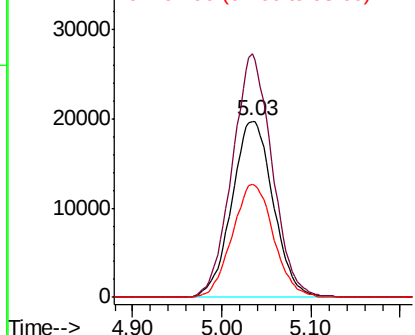


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22
Diisopropyl ether
Concen: 19.588 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	45.0	67.6
87	29.9	22.2	33.4
59	11.6	9.1	13.7

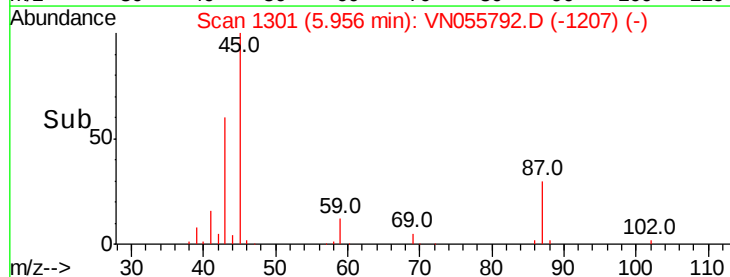
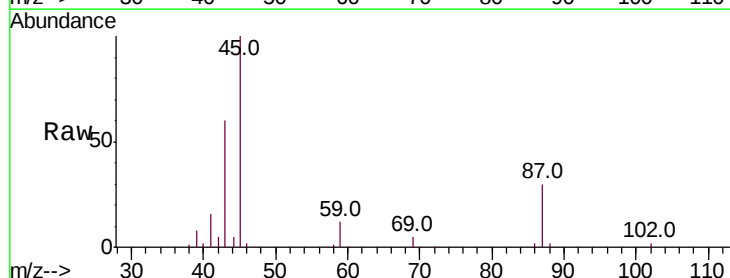
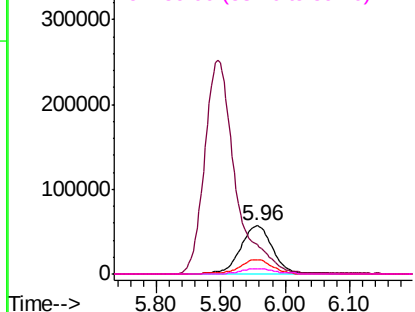
Abundance

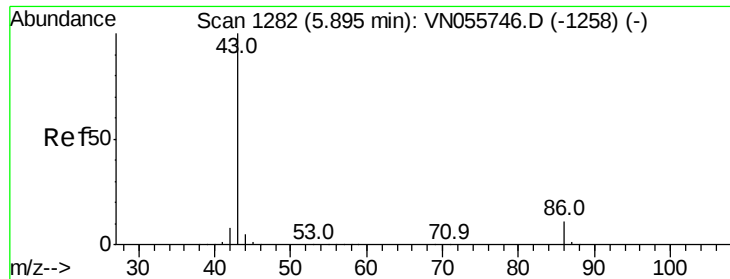
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 97.017 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion: 43 Resp: 842825

Ion Ratio Lower Upper

43 100

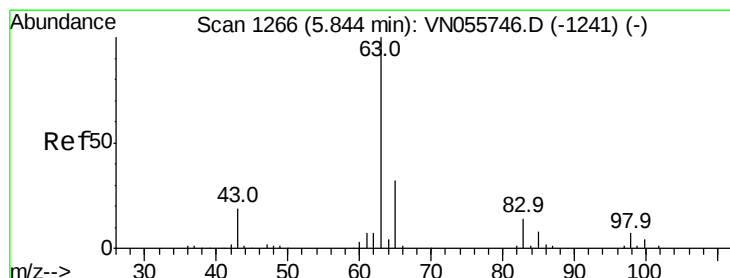
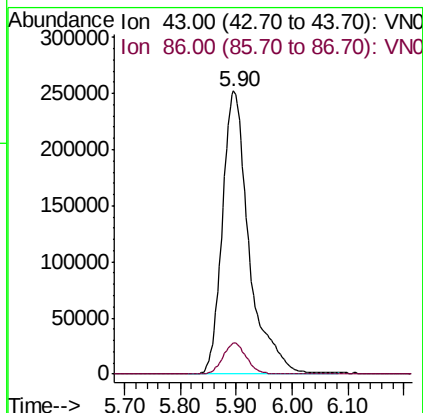
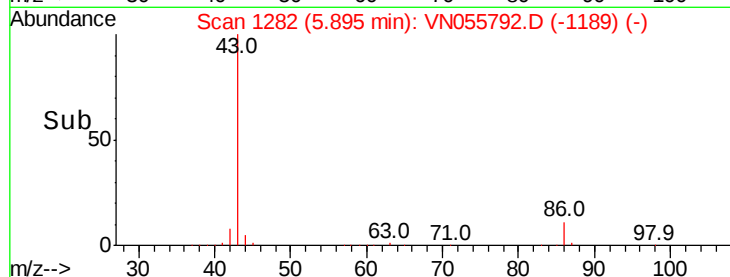
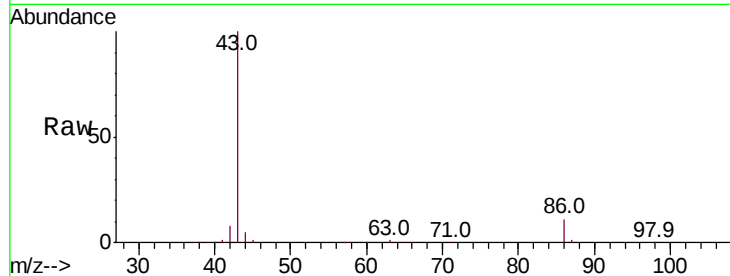
86 10.9 8.6 13.0

Manual Integrations

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MMDadoda

5/28/2019 10:35:45 AM



#24

1,1-Dichloroethane

Concen: 19.449 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

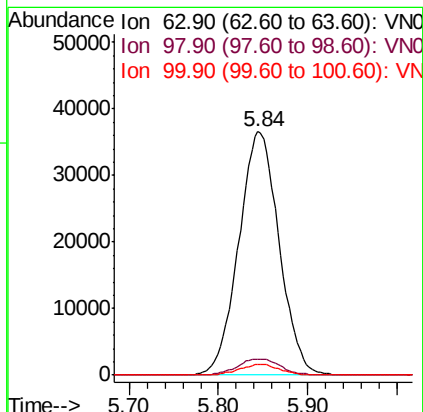
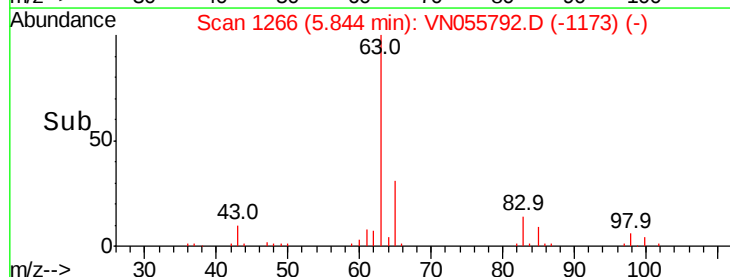
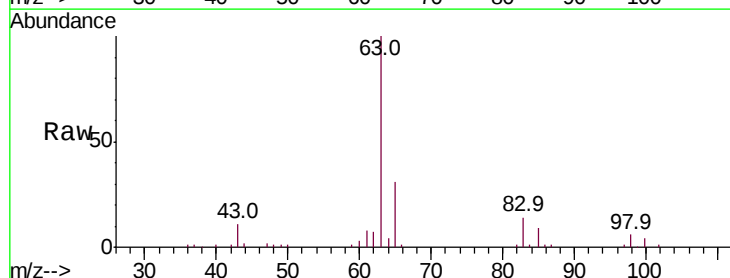
Tgt Ion: 63 Resp: 114740

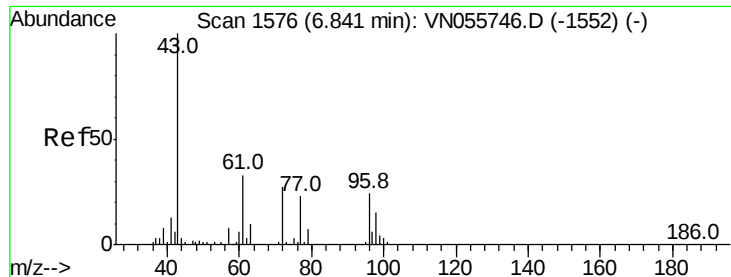
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 95.894 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion: 43 Resp: 217237

Ion Ratio Lower Upper

43 100

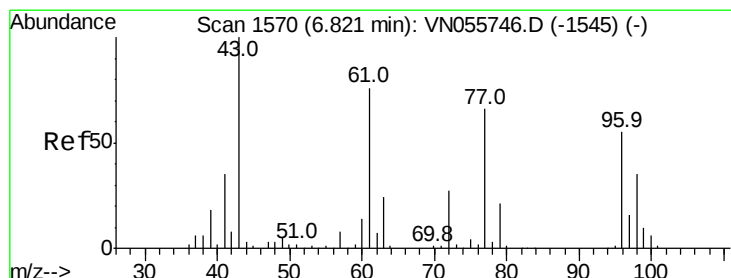
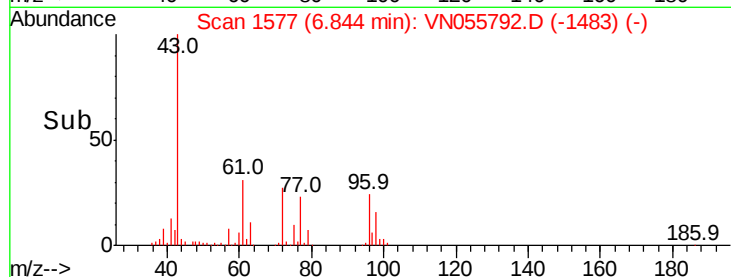
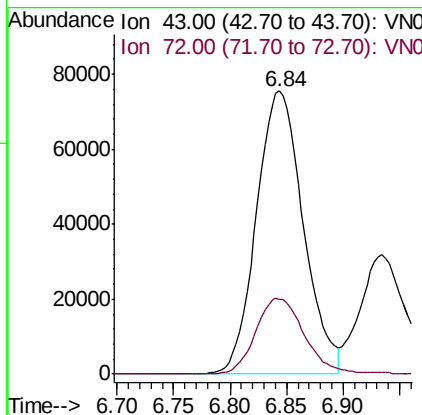
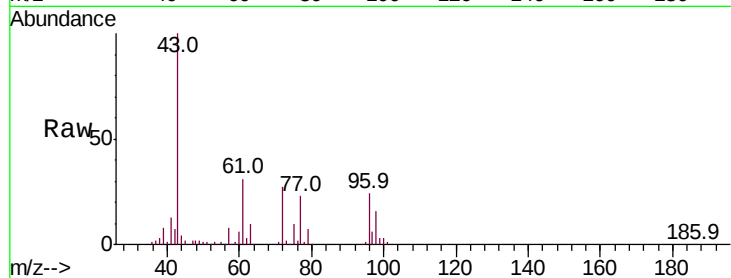
72 26.6 21.9 32.9

Manual Integrations

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5/28/2019 10:35:45 AM



#26

2,2-Dichloropropane

Concen: 18.561 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055792.D

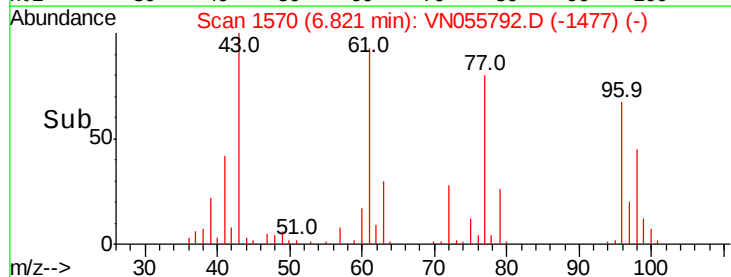
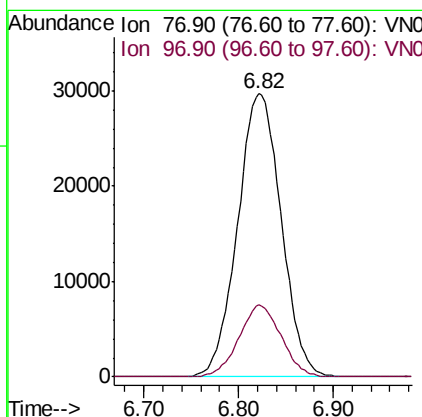
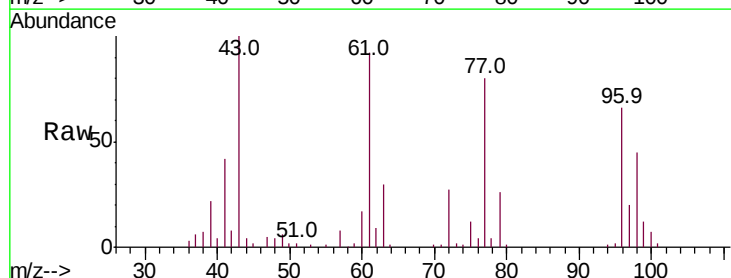
Acq: 24 May 2019 13:37

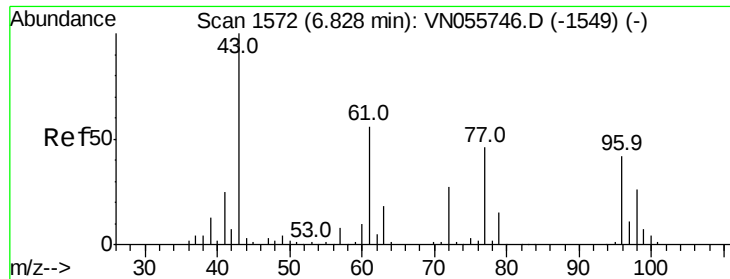
Tgt Ion: 77 Resp: 94768

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





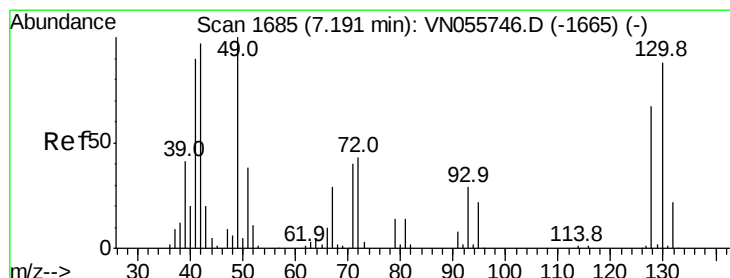
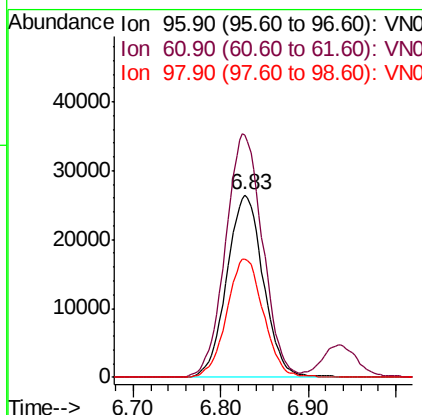
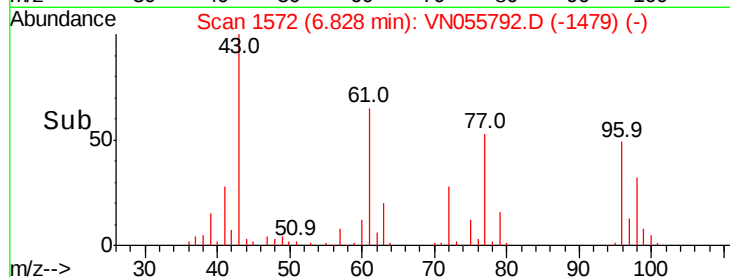
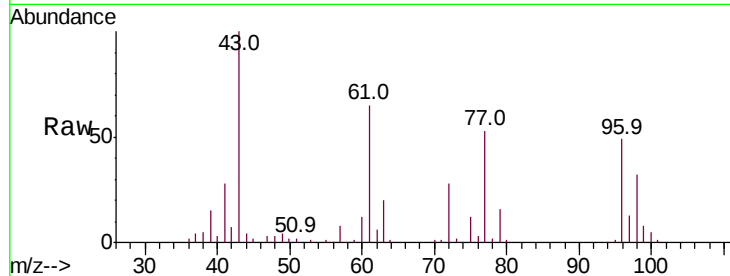
#27
 cis-1,2-Dichloroethene
 Concen: 20.110 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.9	0.0	275.8	
98	65.1	0.0	128.4	

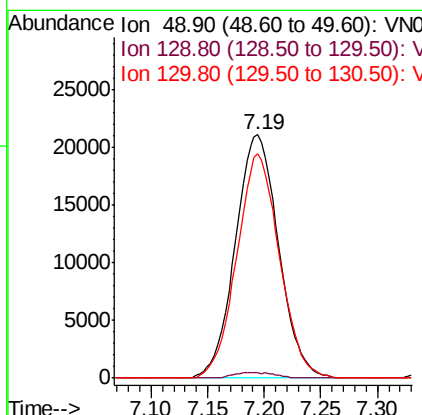
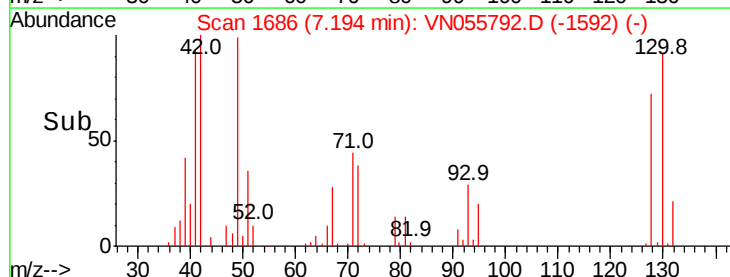
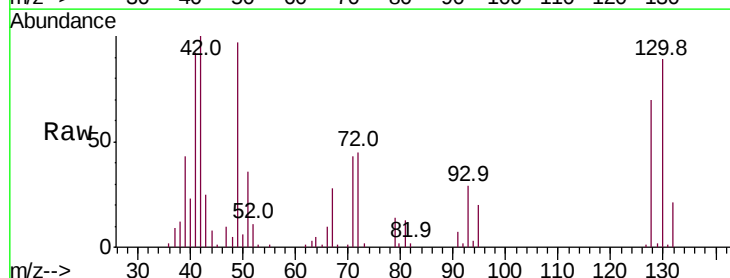
Manual Integrations
 APPROVED

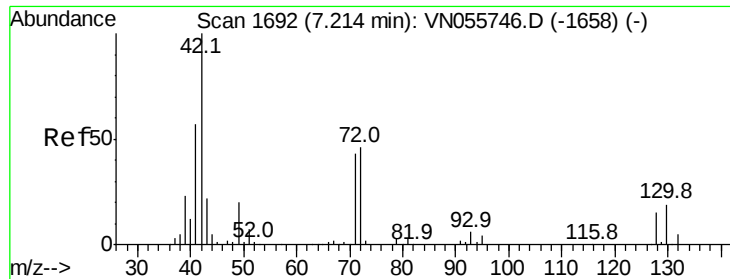
MMDadoda
 5/28/2019 10:35:45 AM



#28
 Bromochloromethane
 Concen: 20.039 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.4	
130	90.8	71.2	106.8	





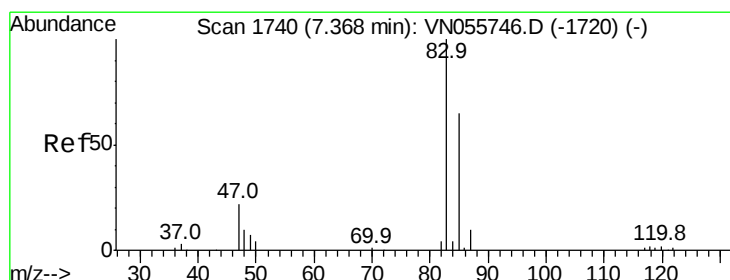
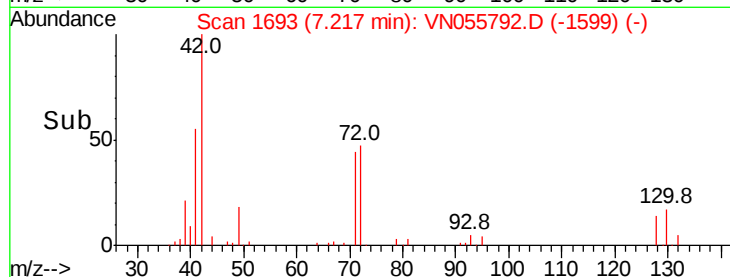
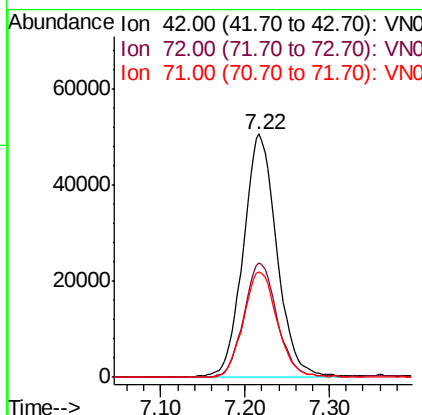
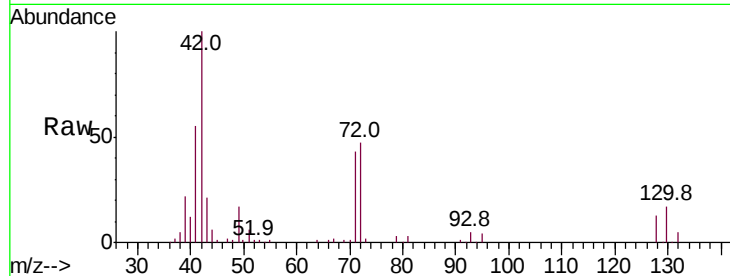
#29
Tetrahydrofuran
Concen: 97.891 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	35.9	53.9
71	43.7	34.0	51.0

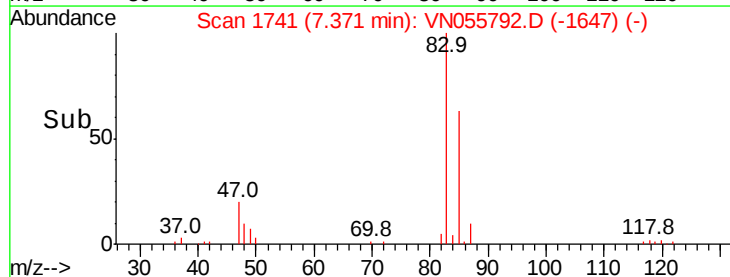
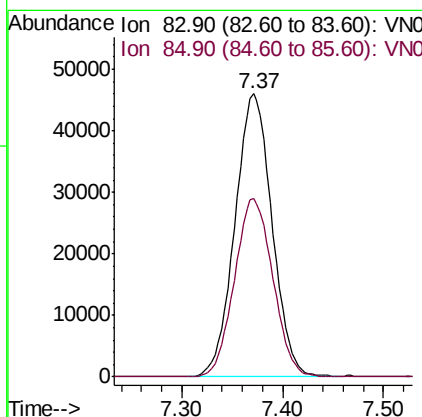
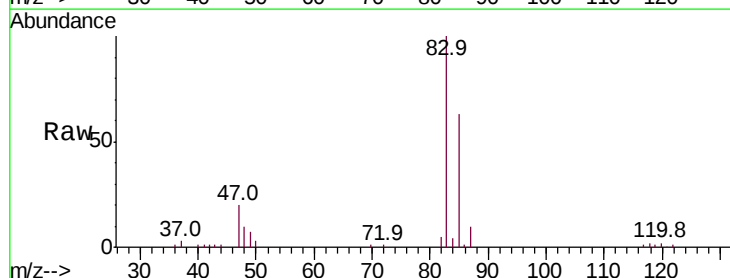
Manual Integrations
APPROVED

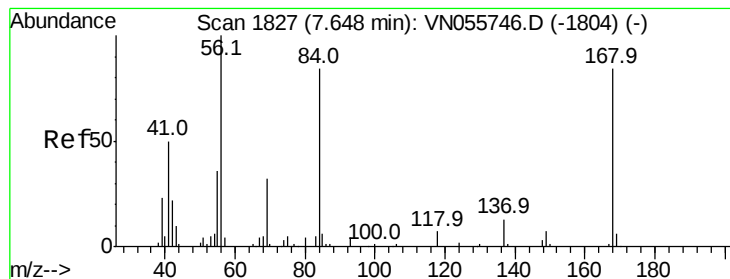
MMDadoda
5/28/2019 10:35:45 AM



#30
Chloroform
Concen: 19.974 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.8	77.8





#31

Cyclohexane

Concen: 19.187 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion: 56 Resp: 106270

Ion Ratio Lower Upper

56 100

69 36.8 25.6 38.4

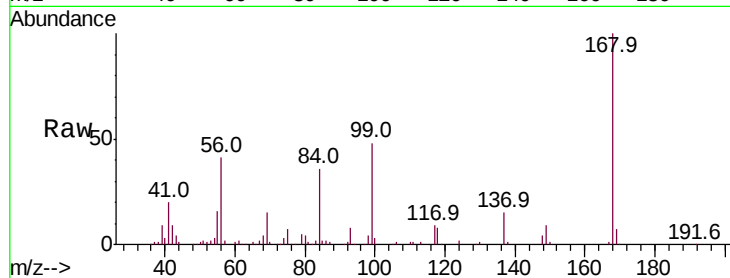
84 88.0 67.4 101.0

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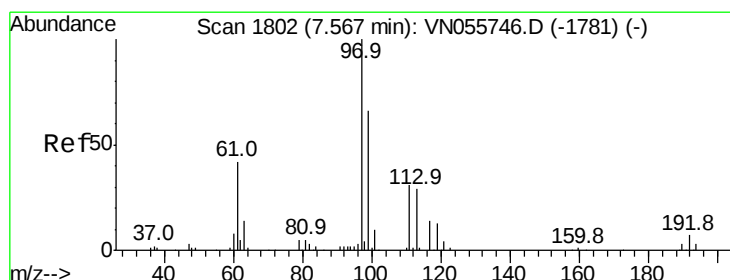
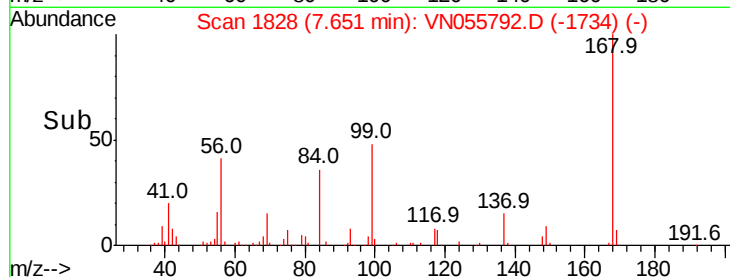
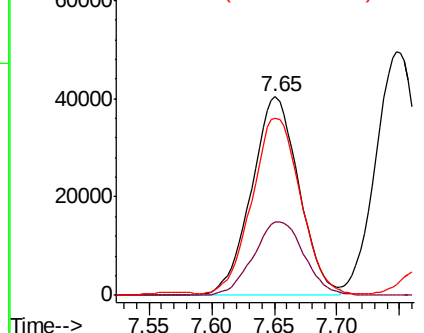
5/28/2019 10:35:45 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.642 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

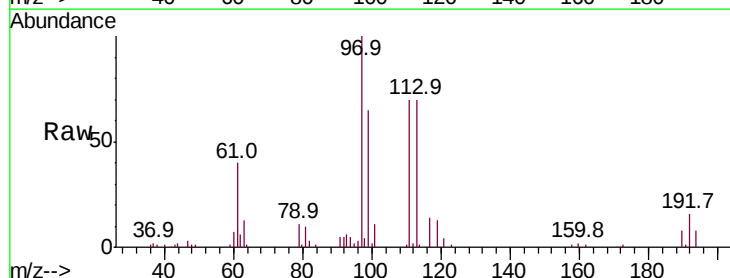
Tgt Ion: 97 Resp: 103121

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

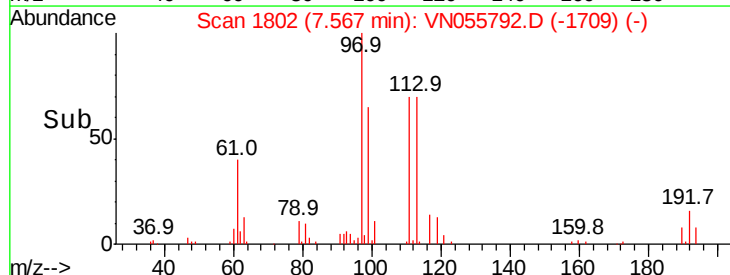
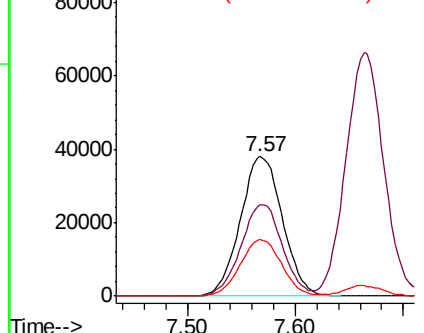
61 40.0 32.9 49.3

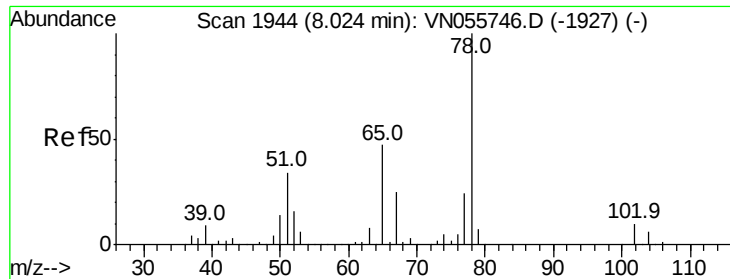


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





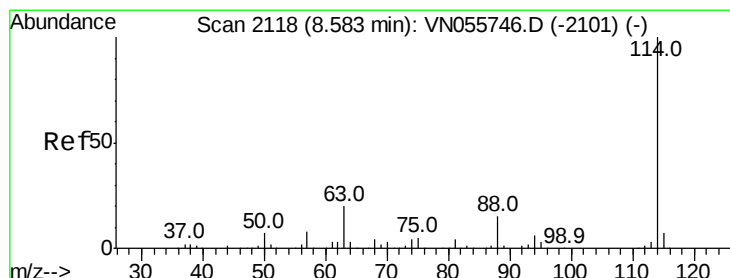
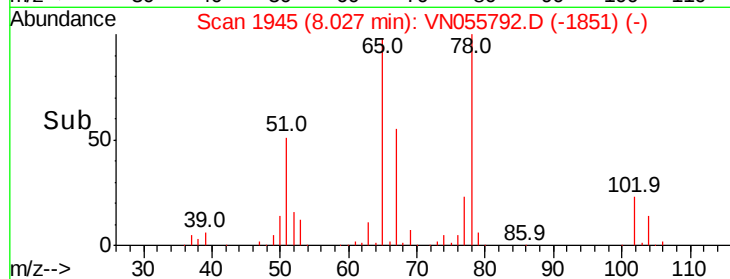
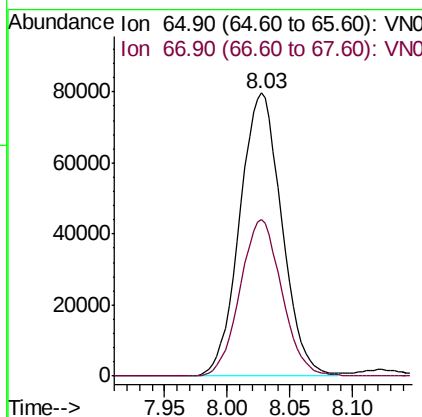
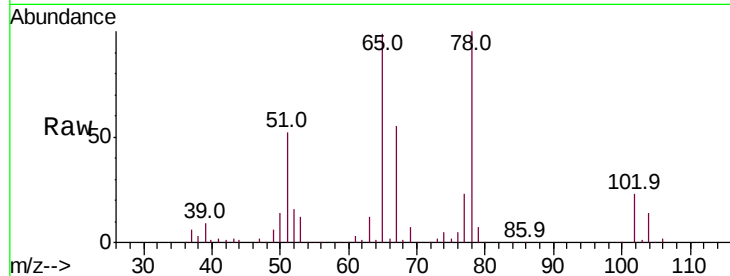
#33
 1,2-Dichloroethane-d4
 Concen: 50.393 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185956		
67	54.9	0.0	109.2	

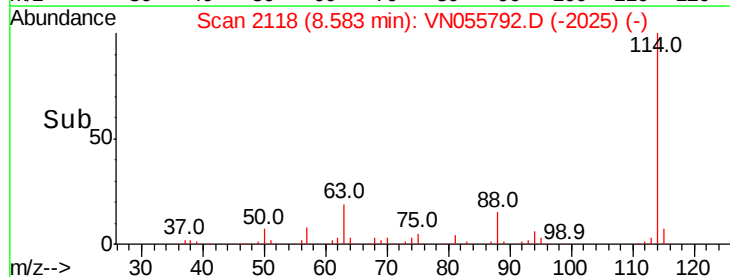
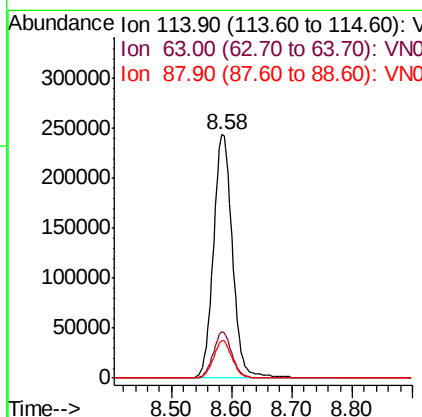
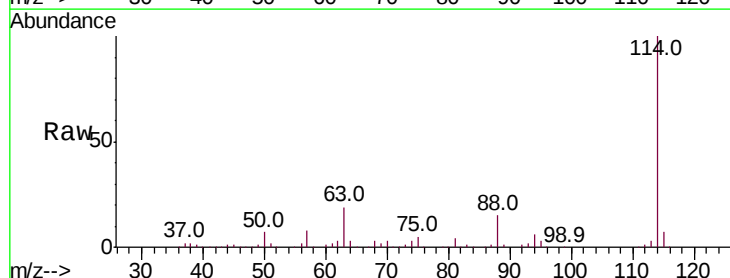
Manual Integrations
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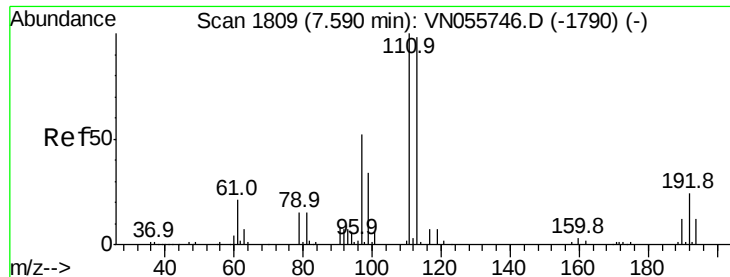
MMDadoda
 5/28/2019 10:35:45 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	523432		
63	19.0	0.0	39.2	
88	15.4	0.0	31.0	





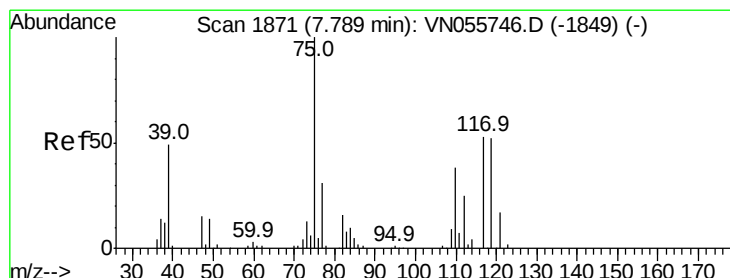
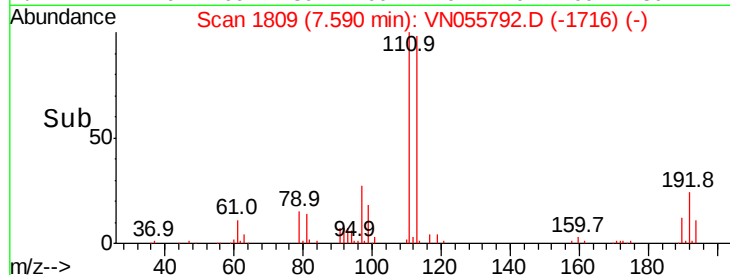
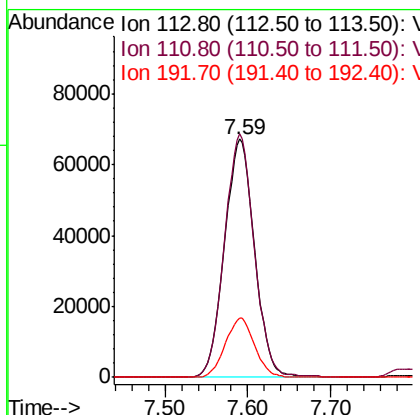
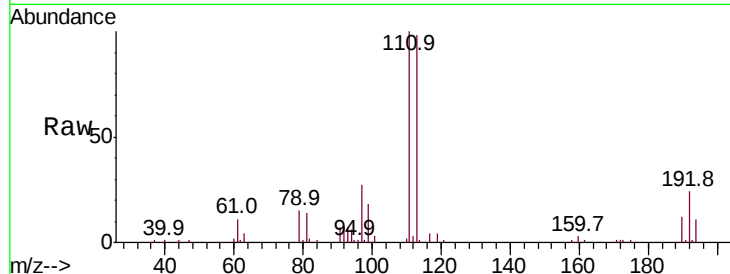
#35
 Dibromofluoromethane
 Concen: 51.162 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	169312		
111	100.7	81.9	122.9	
192	24.3	19.5	29.3	

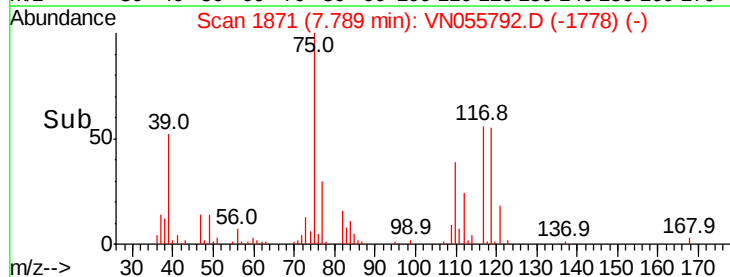
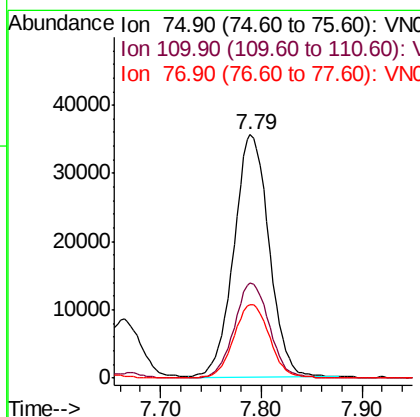
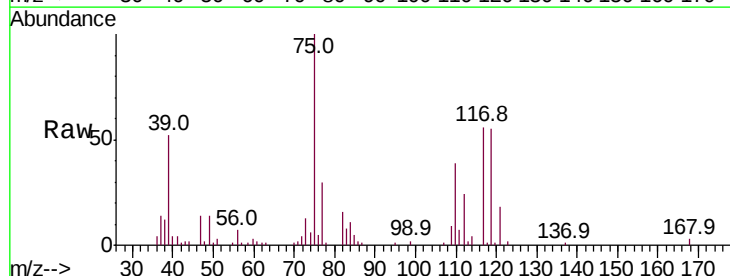
Manual Integrations
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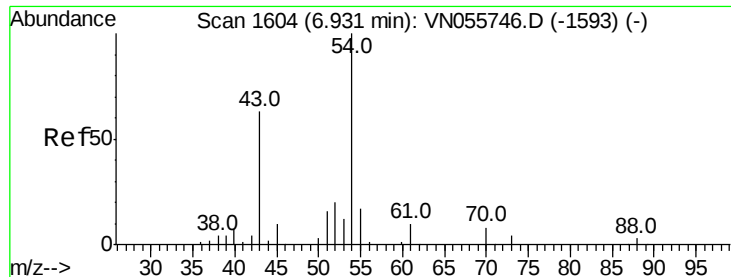
MMDadoda
 5/28/2019 10:35:45 AM



#36
 1,1-Dichloropropene
 Concen: 18.884 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86140		
110	39.1	19.0	57.0	
77	31.0	25.1	37.7	





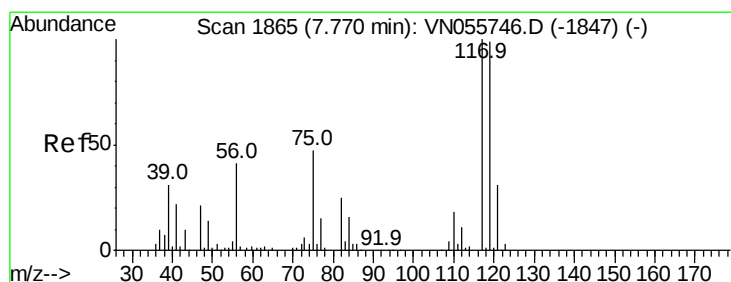
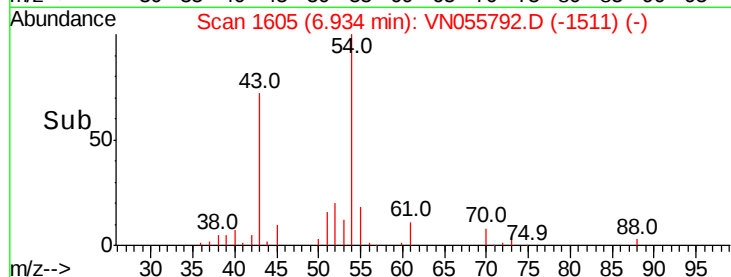
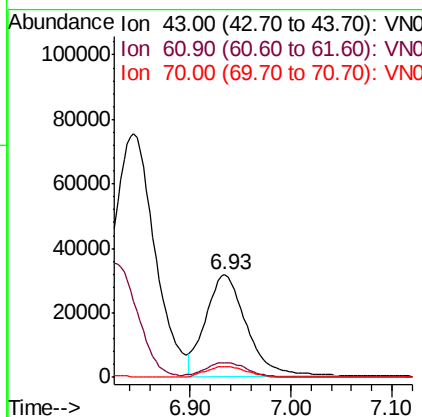
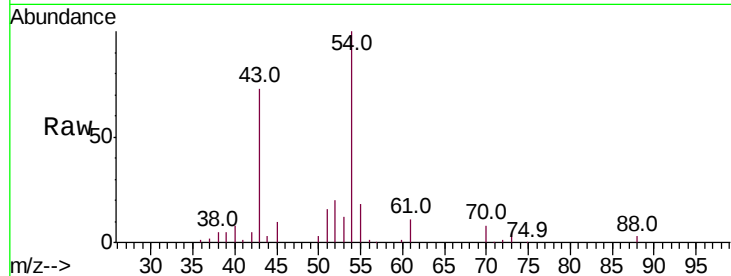
#37
Ethyl Acetate
Concen: 19.956 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	12.2	18.2
70	11.0	8.9	13.3

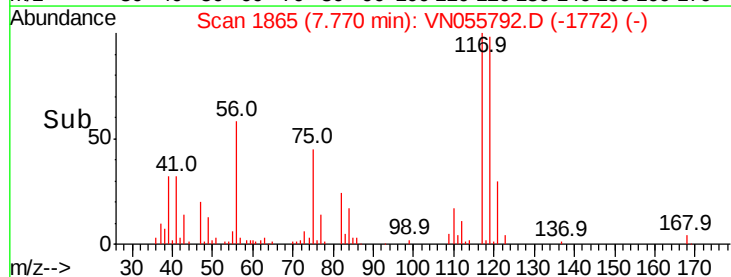
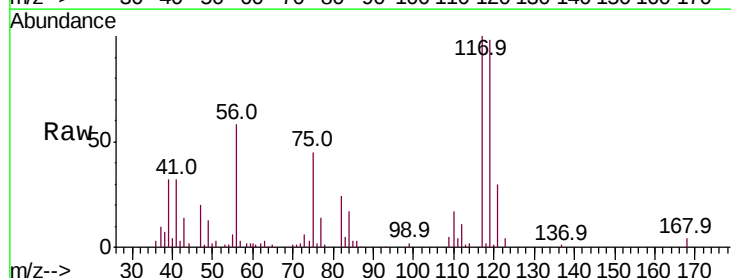
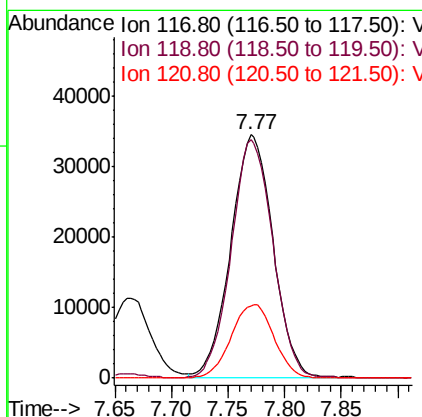
Manual Integrations
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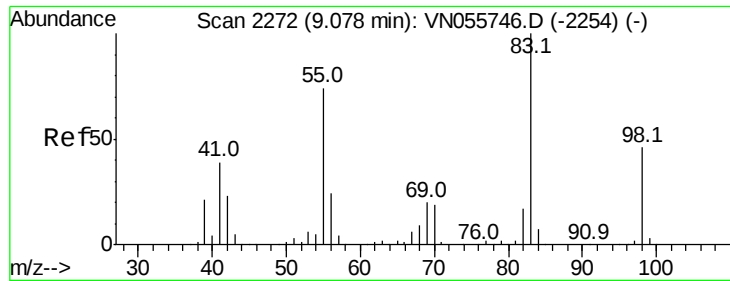
MMDadoda
5/28/2019 10:35:45 AM



#38
Carbon Tetrachloride
Concen: 18.937 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	79.0	118.6
121	29.7	24.7	37.1





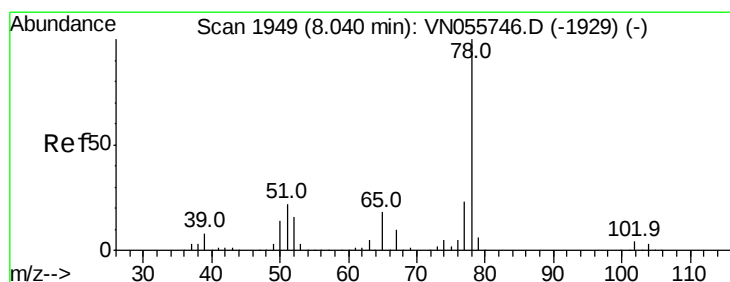
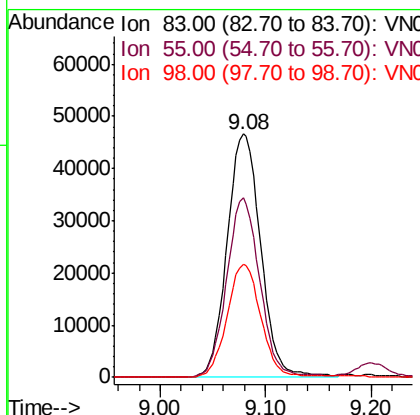
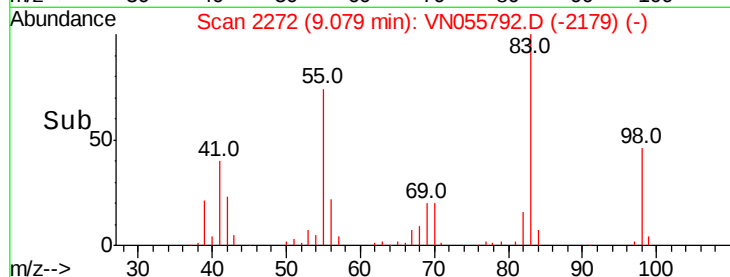
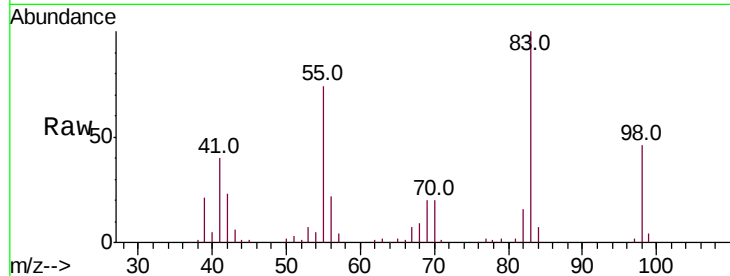
#39
Methvlcvclohexane
Concen: 18.275 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	83	Resp	103226
Ion Ratio	100	Lower	Upper
83	100		
55	73.7	59.3	88.9
98	46.3	36.6	54.8

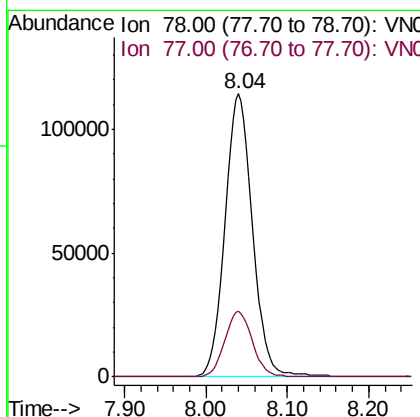
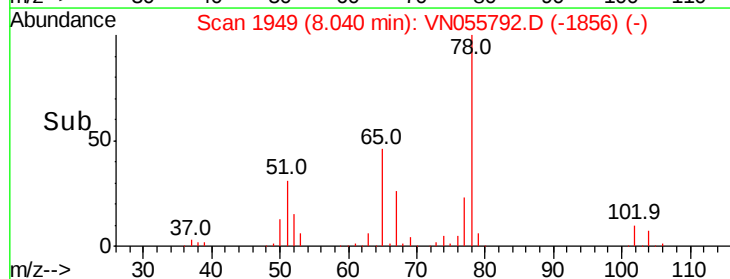
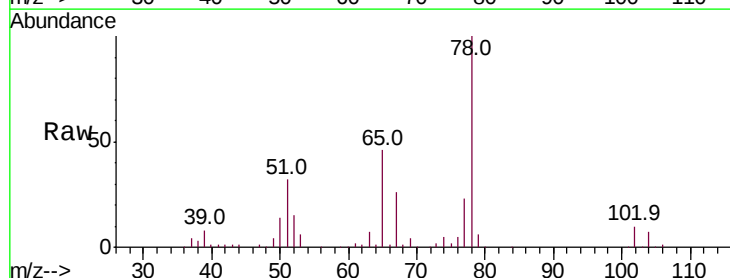
Manual Integrations
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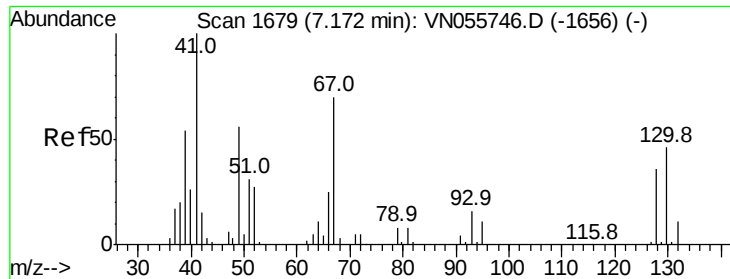
MMDadoda
5/28/2019 10:35:45 AM



#40
Benzene
Concen: 19.767 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	78	Resp	271740
Ion Ratio	100	Lower	Upper
78	100		
77	23.1	18.8	28.2





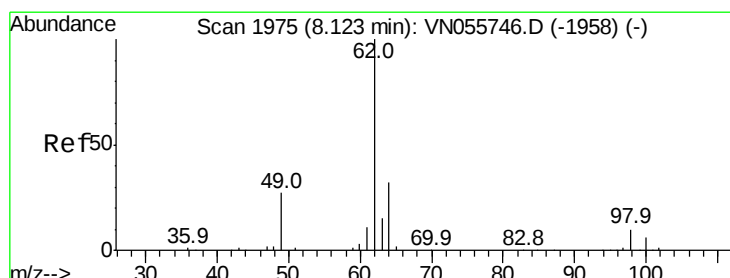
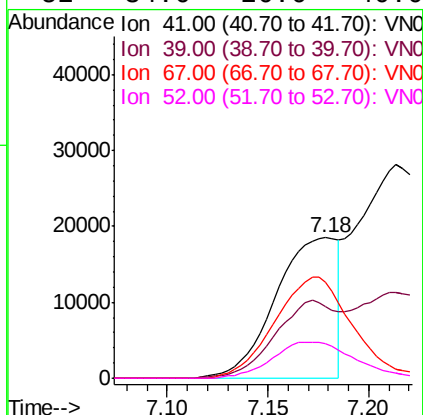
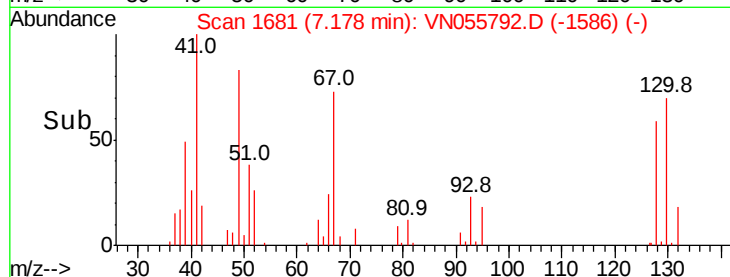
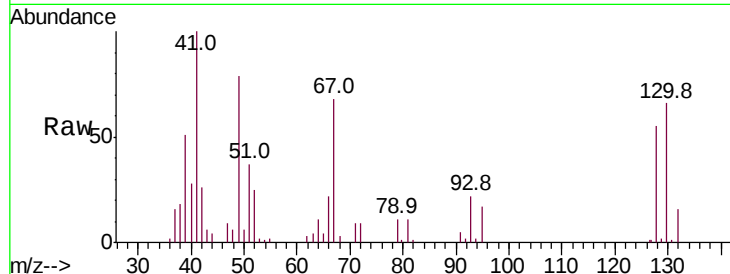
#41
Methacrylonitrile
Concen: 17.771 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	41	Resp	39581
Ion Ratio	100	Lower	Upper
41	100		
39	57.4	45.6	68.4
67	89.8	67.7	101.5
52	34.6	26.6	40.0

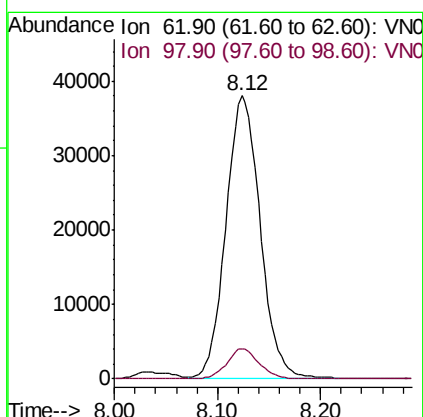
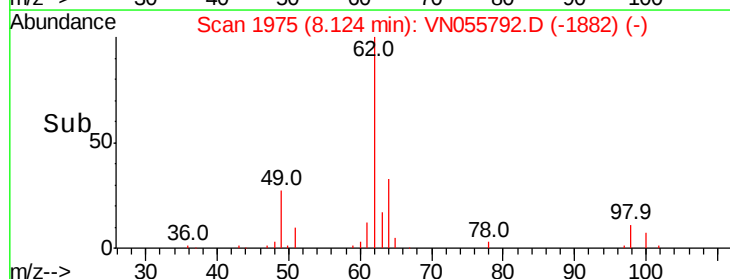
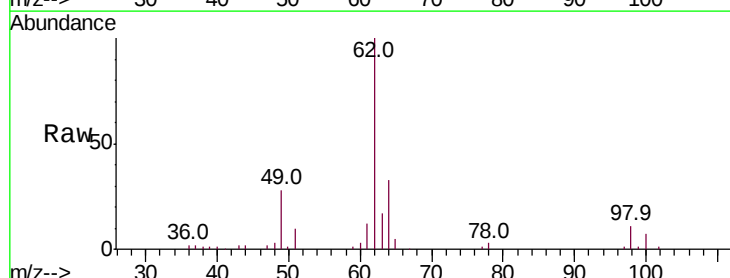
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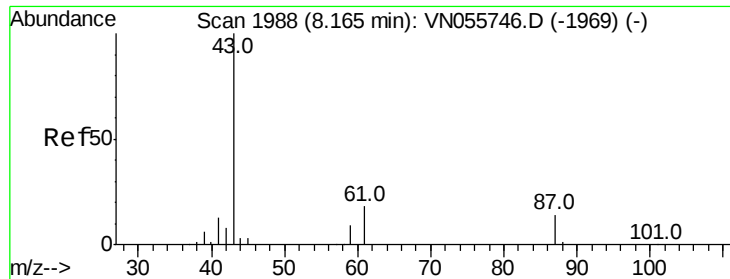
MMDadoda
5/28/2019 10:35:45 AM



#42
1,2-Dichloroethane
Concen: 19.645 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	62	Resp	88248
Ion Ratio	100	Lower	Upper
62	100		
98	10.1	0.0	20.2





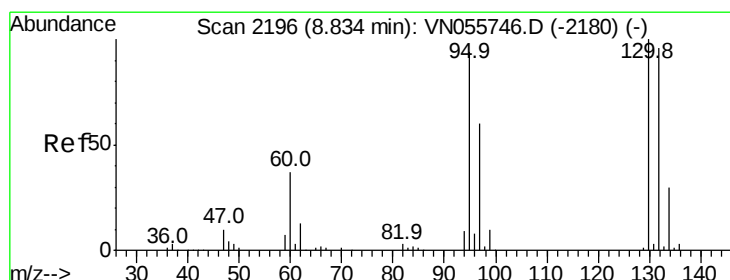
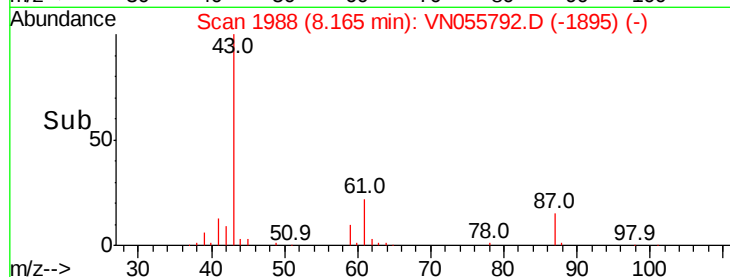
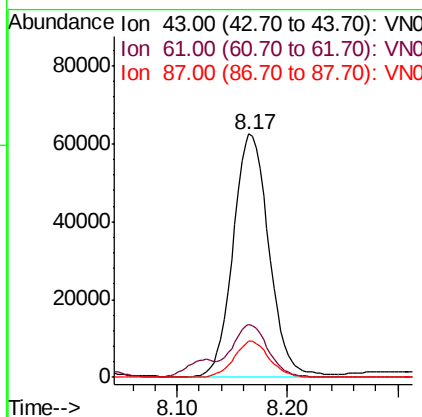
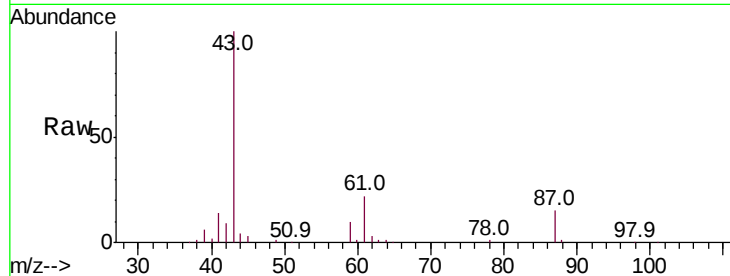
#43
Isopropyl Acetate
Concen: 18.887 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	22.2	33.4#
87	14.7	11.4	17.2

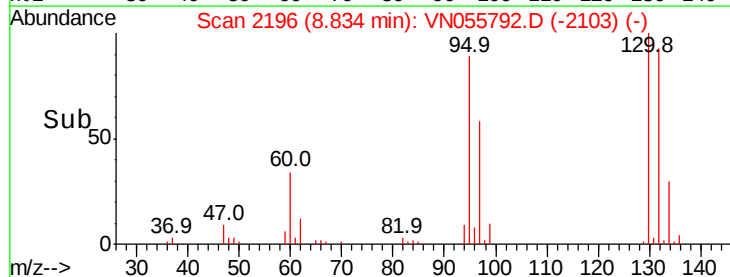
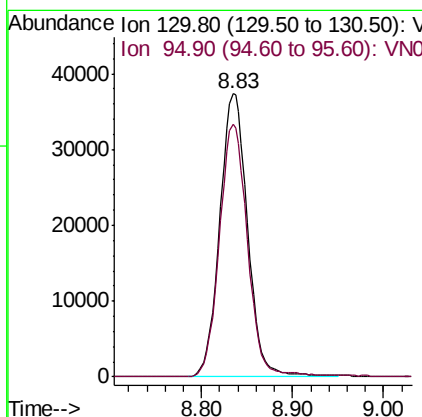
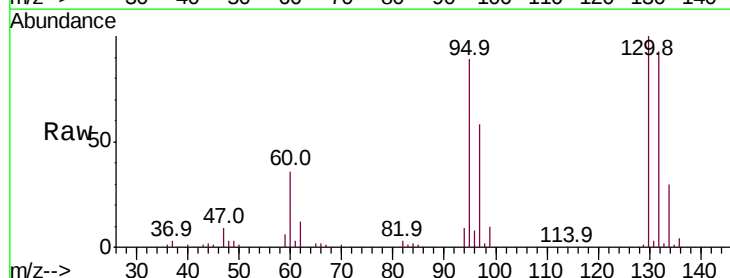
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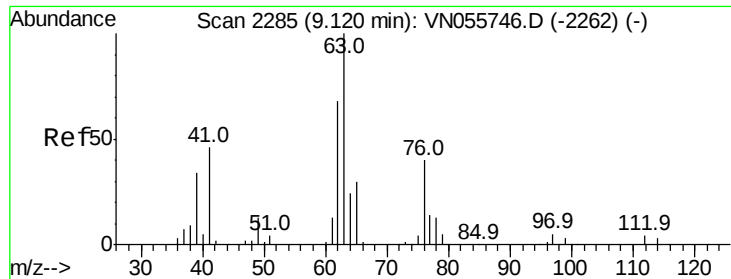
MMDadoda
5/28/2019 10:35:45 AM



#44
Trichloroethene
Concen: 20.756 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	188.0





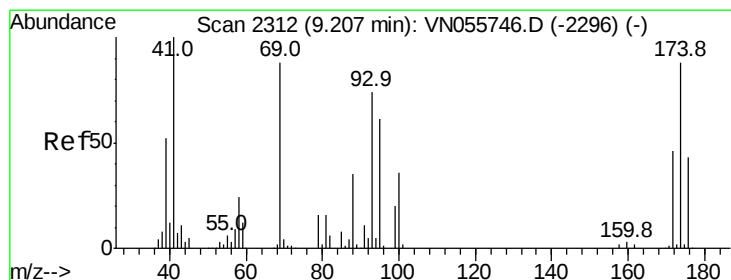
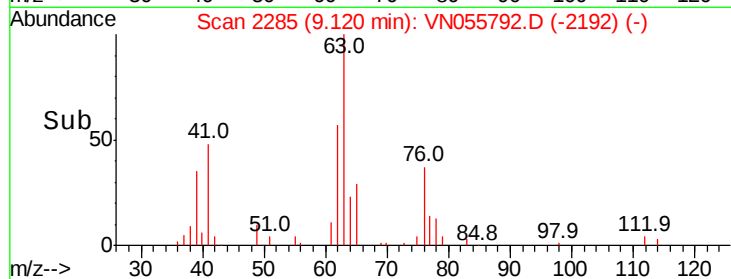
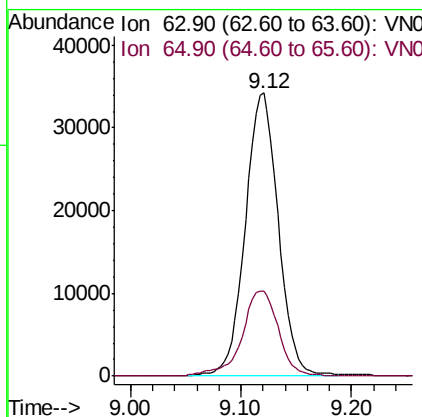
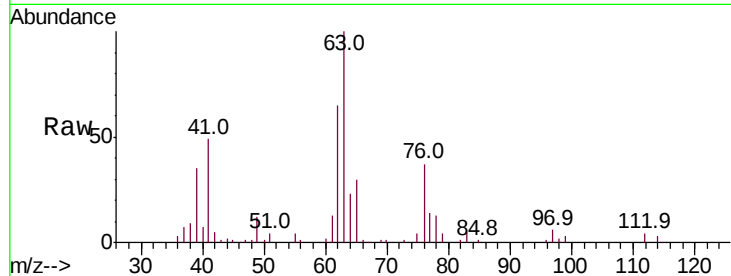
#45
 1,2-Dichloropropane
 Concen: 19.832 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion: 63 Resp: 71034
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.6 36.8

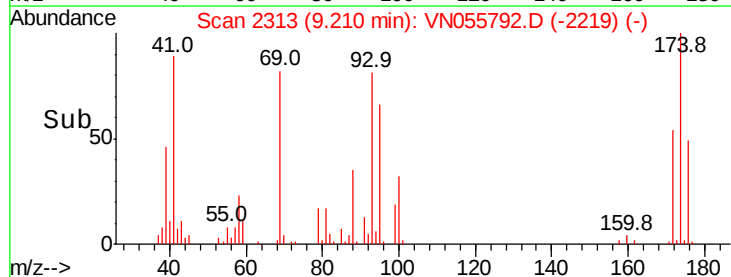
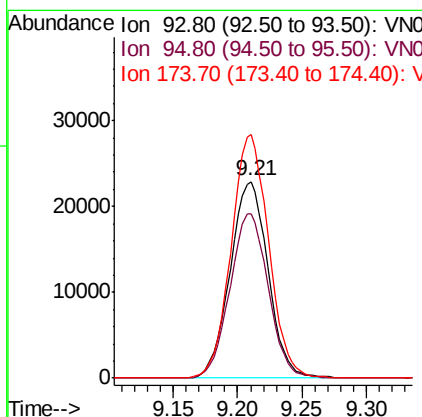
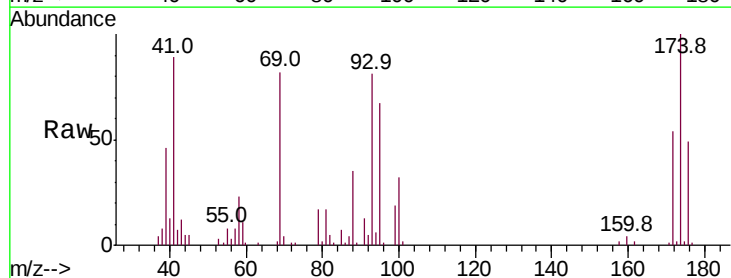
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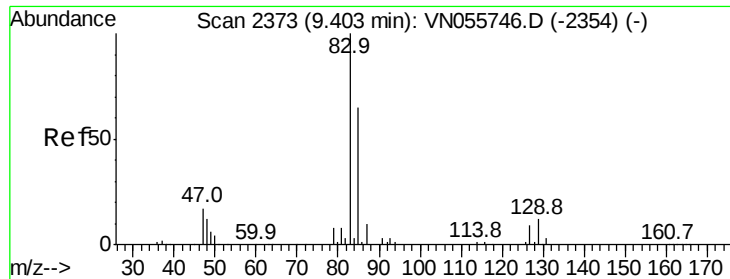
MMDadoda
 5/28/2019 10:35:45 AM



#46
 Dibromomethane
 Concen: 19.974 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion: 93 Resp: 46919
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 122.2 96.4 144.6





#47

Bromodichloromethane

Concen: 19.068 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

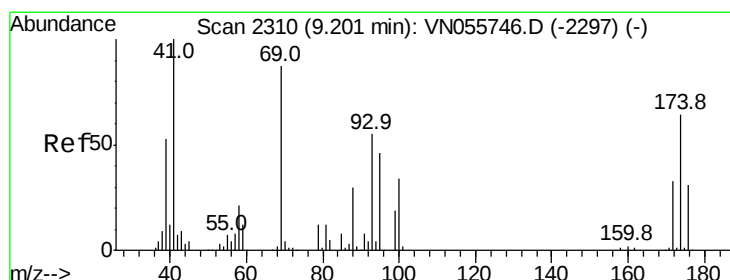
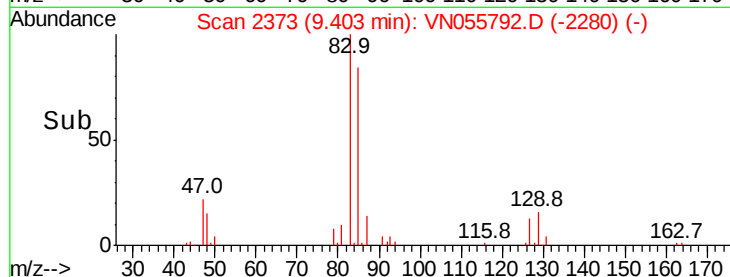
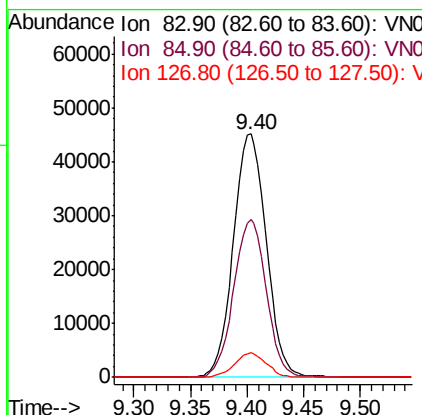
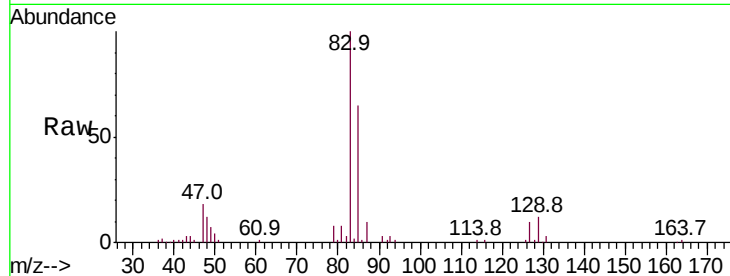
ClientSampleId :

VN0524MBS01

Tot Ion:	83	Resp:	91846
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.2	78.2
127	10.1	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.816 ug/l

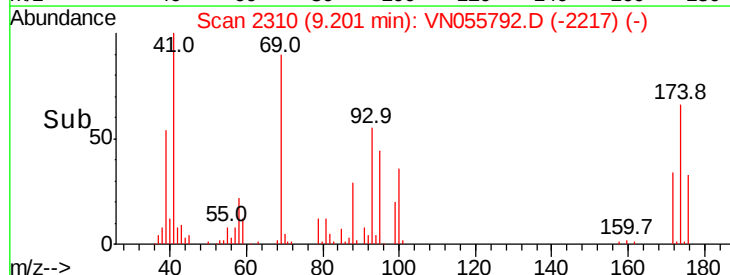
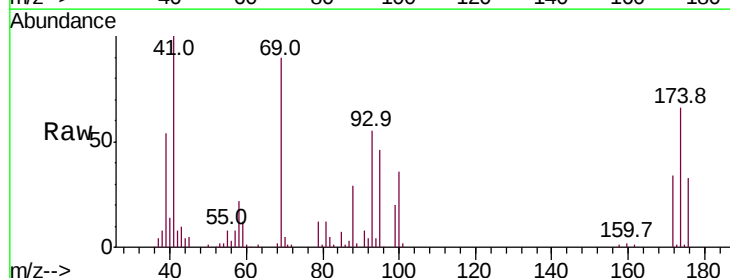
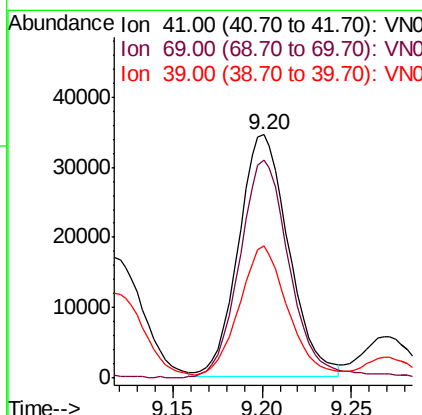
RT: 9.20 min Scan# 2310

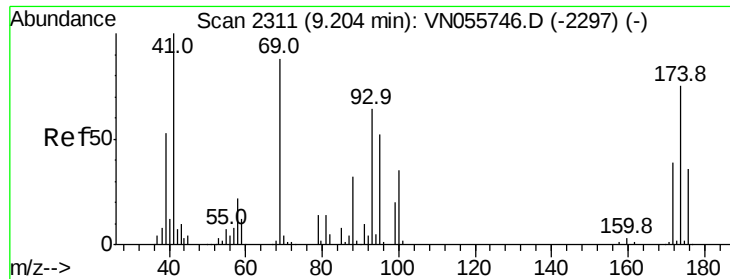
Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Tgt Ion:	41	Resp:	67650
Ion Ratio	Lower	Upper	
41	100		
69	91.3	71.0	106.6
39	52.9	44.2	66.2





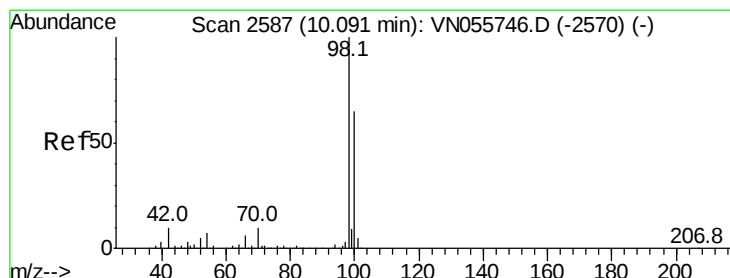
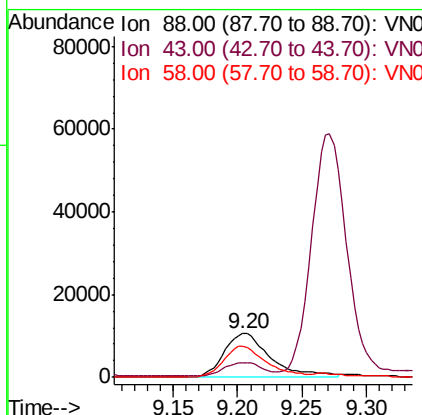
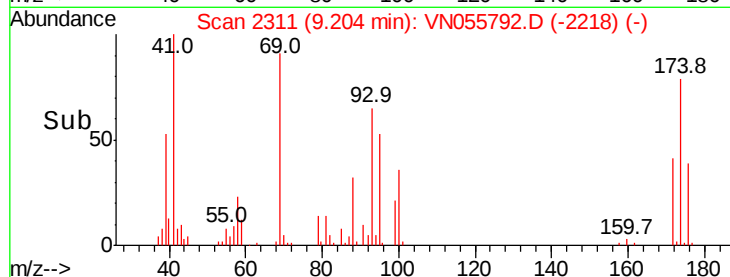
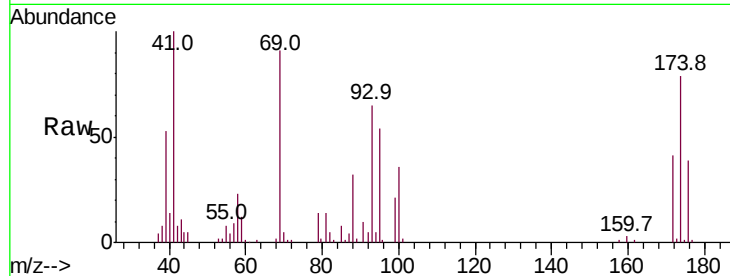
#49
 1,4-Dioxane
 Concen: 377.190 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	88	Resp	26759
Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.5	30.7
58	65.4	55.8	83.6

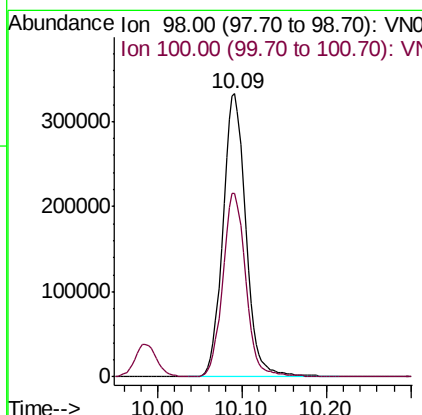
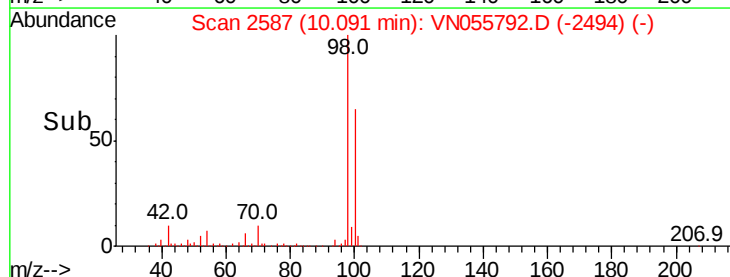
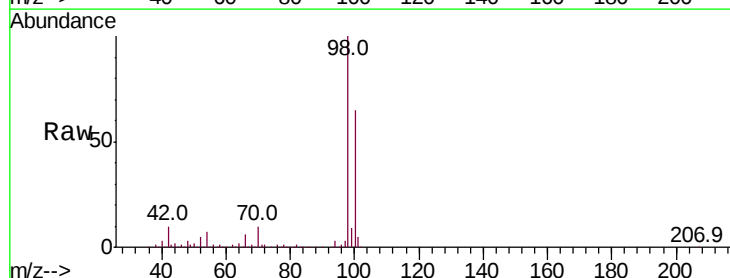
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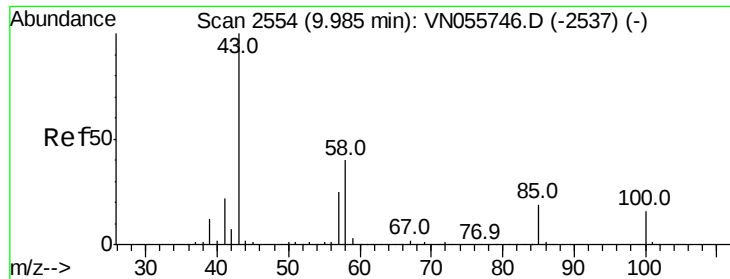
MMDadoda
 5/28/2019 10:35:45 AM



#50
 Toluene-d8
 Concen: 49.543 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	98	Resp	628903
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 97.362 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0524MBS01

Tot Ion: 43 Resp: 425939

Ion Ratio Lower Upper

43 100

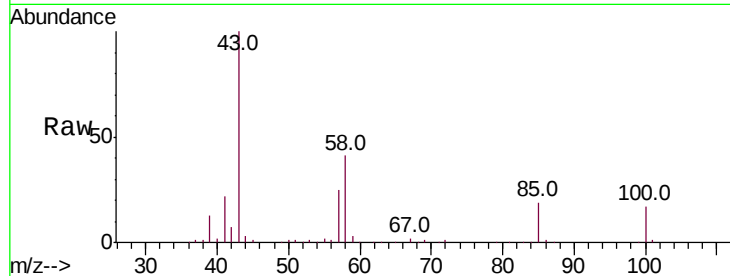
58 41.0 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2537) (-)

250000

200000

150000

100000

50000

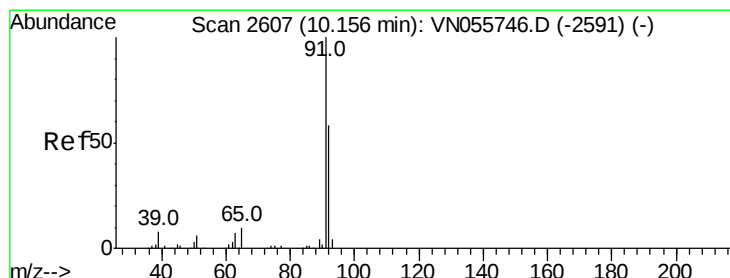
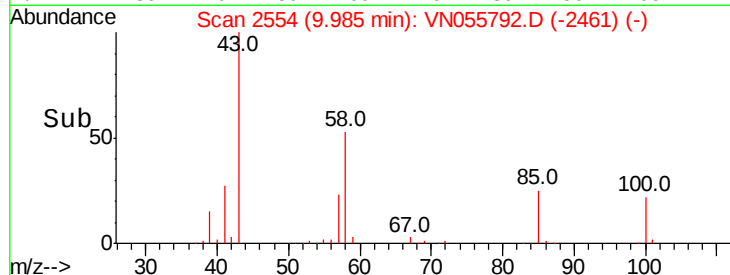
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 20.100 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055792.D

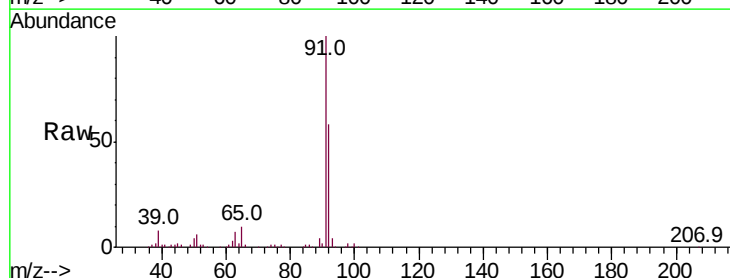
Acq: 24 May 2019 13:37

Tgt Ion: 92 Resp: 173787

Ion Ratio Lower Upper

92 100

91 172.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055746.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055746.D (-2591) (-)

150000

100000

50000

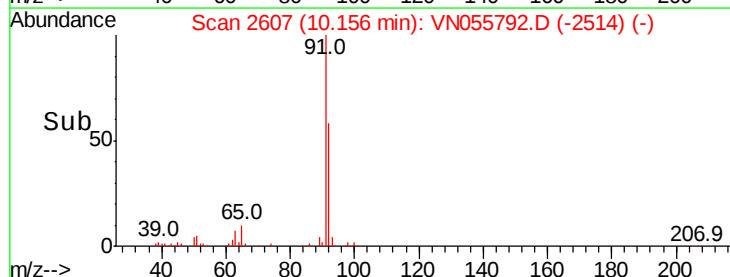
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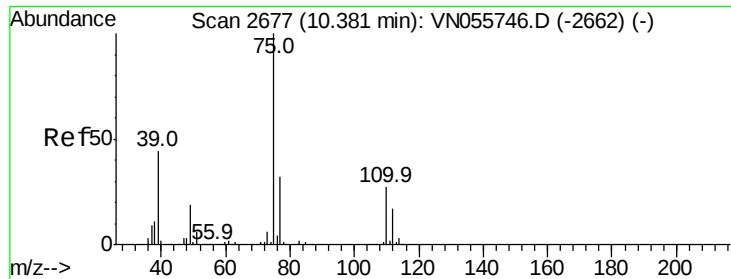
10.10

10.20

10.30

Time-->





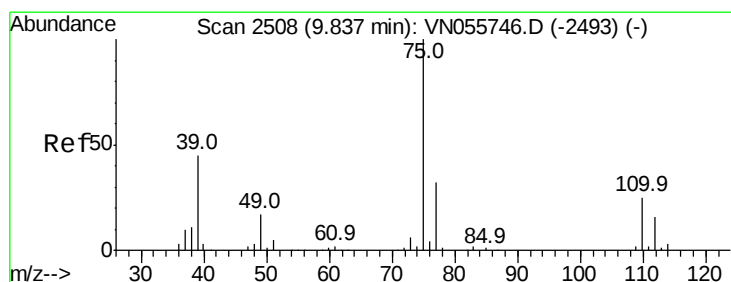
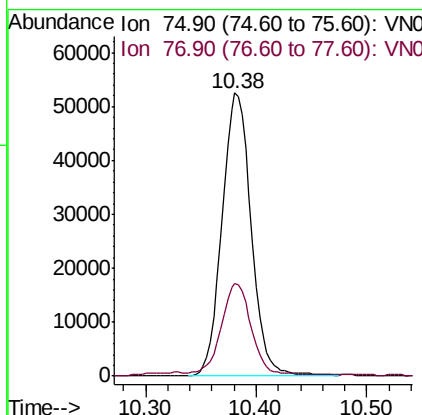
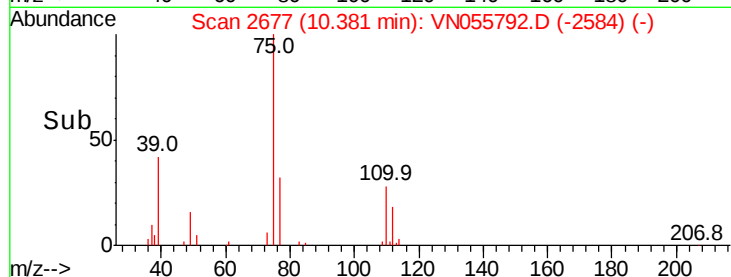
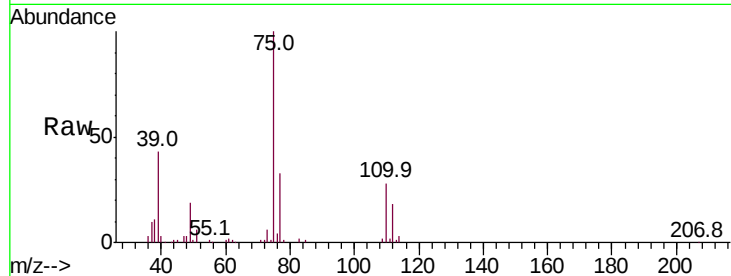
#53
 t-1,3-Dichloropropene
 Concen: 18.744 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524MBS01

Tot Ion: 75 Resp: 96370
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6

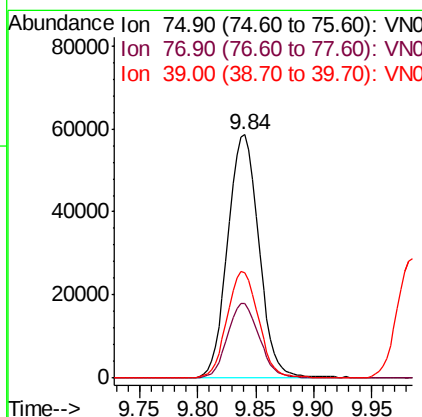
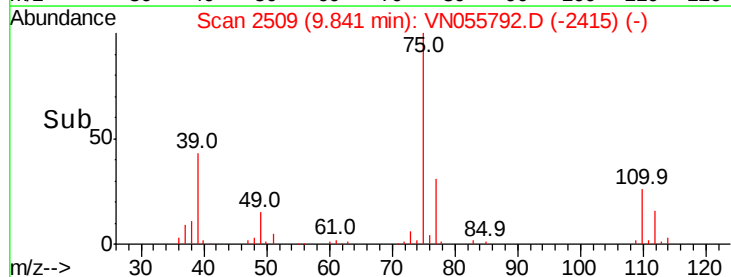
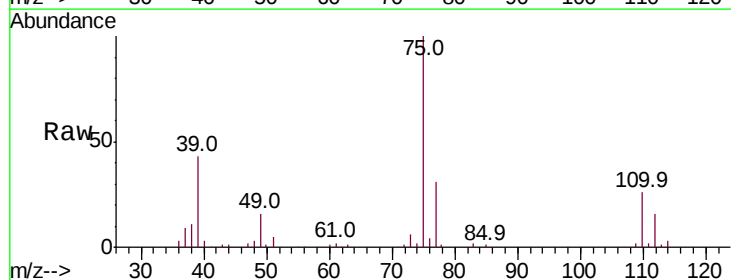
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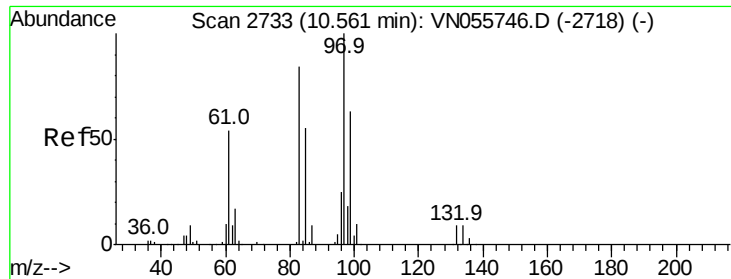
MMDadoda
 5/28/2019 10:35:45 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.246 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion: 75 Resp: 109619
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.4 38.0
 39 43.2 36.3 54.5





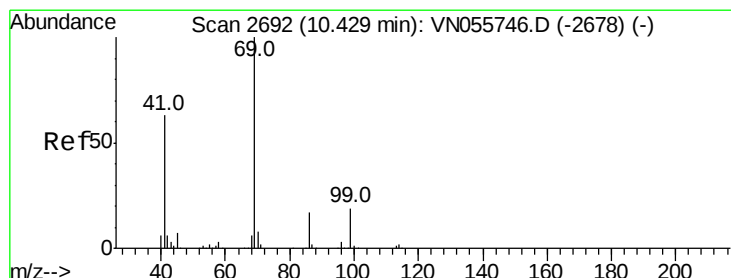
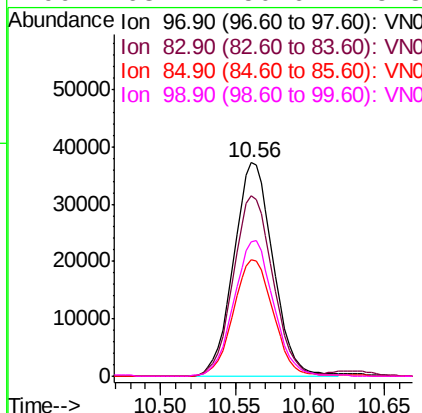
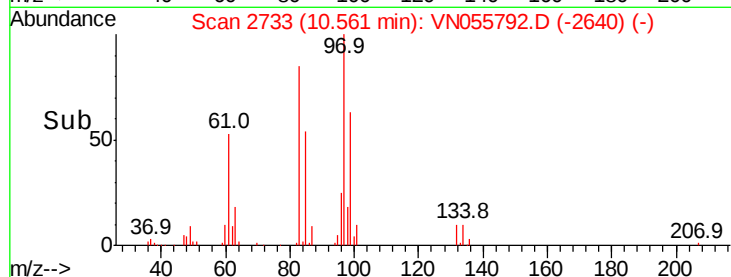
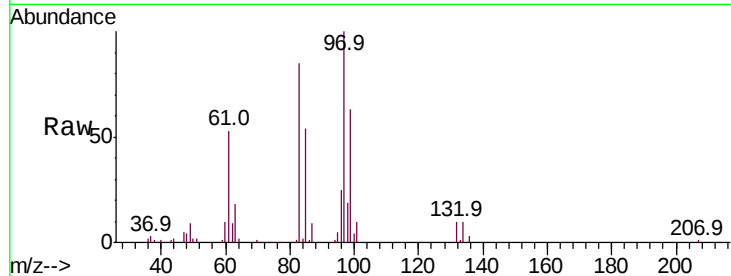
#55
 1,1,2-Trichloroethane
 Concen: 19.704 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	97	Resp	68251
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.0	100.6
85	54.3	44.0	66.0
99	63.1	50.6	75.8

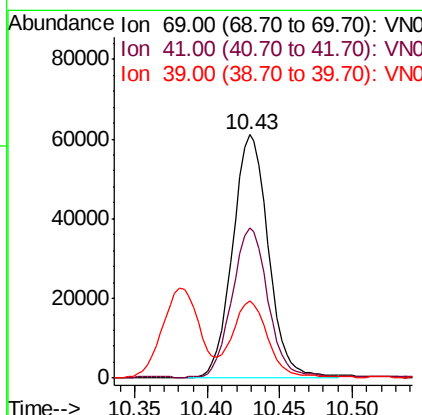
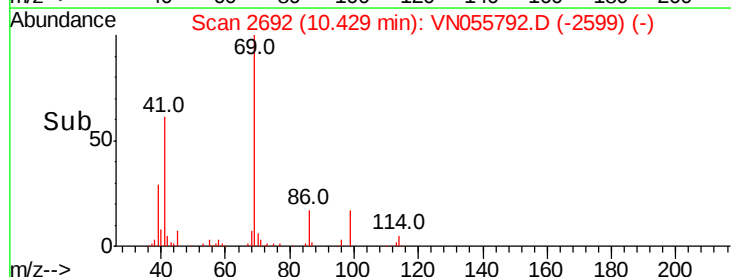
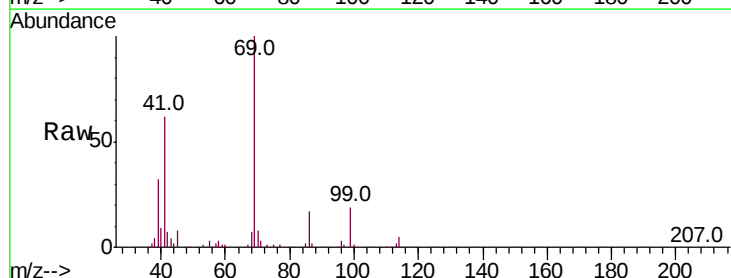
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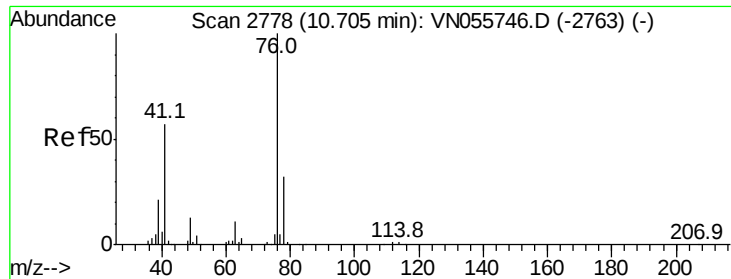
MMDadoda
 5/28/2019 10:35:45 AM



#56
 Ethyl methacrylate
 Concen: 19.625 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	69	Resp	105058
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.7	74.5
39	31.0	24.7	37.1





#57

1,3-Dichloropropane

Concen: 19.675 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0524MBS01

Tot Ion: 76 Resp: 110773

Ion Ratio Lower Upper

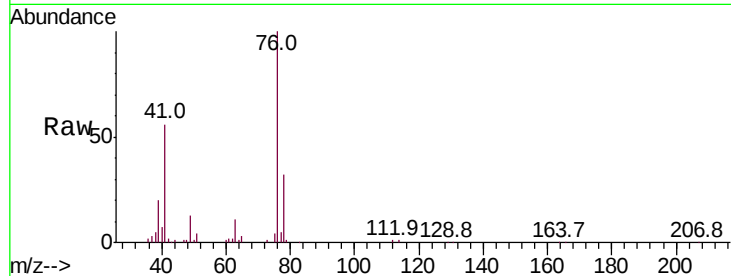
76 100

78 32.3 25.8 38.6

Manual Integrations
APPROVED

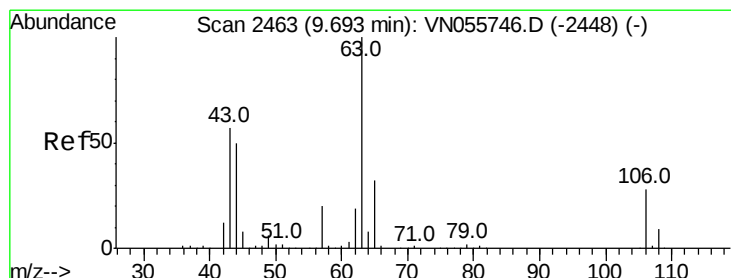
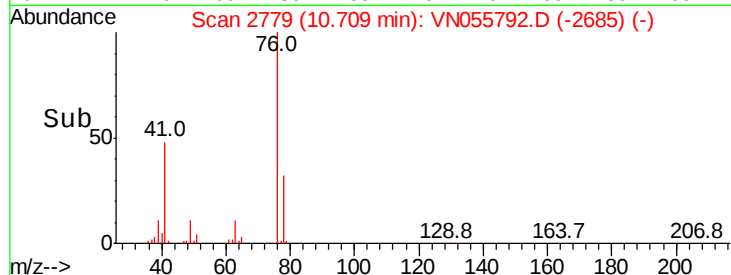
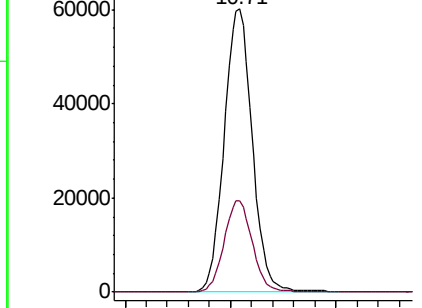
MMDadoda

5/28/2019 10:35:45 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.344 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055792.D

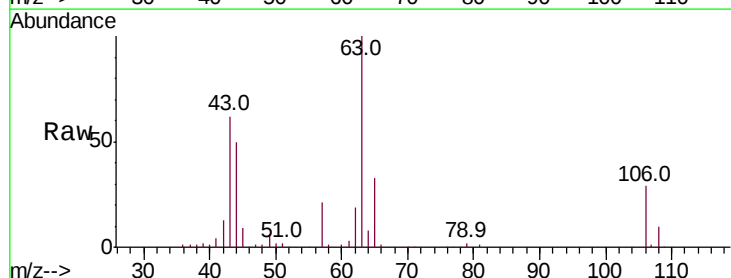
Acq: 24 May 2019 13:37

Tgt Ion: 63 Resp: 193004

Ion Ratio Lower Upper

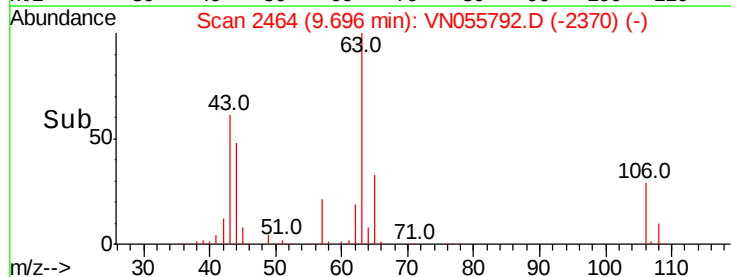
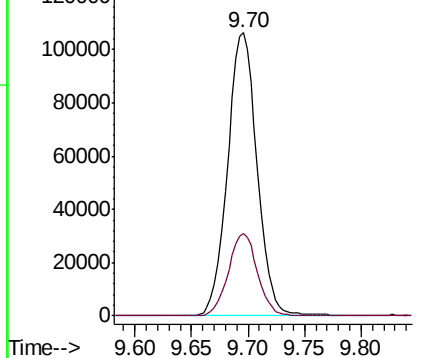
63 100

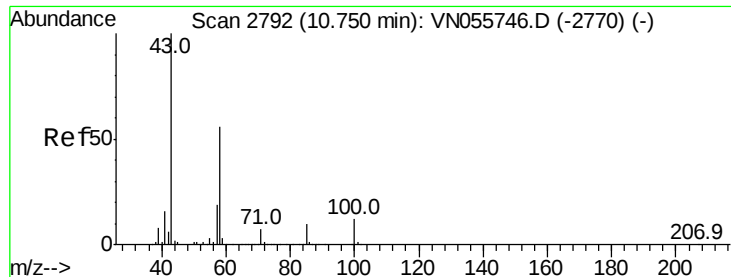
106 28.7 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





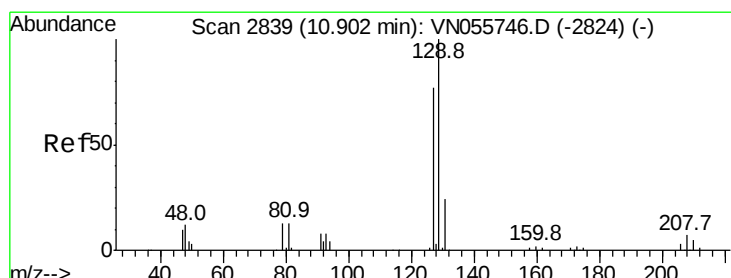
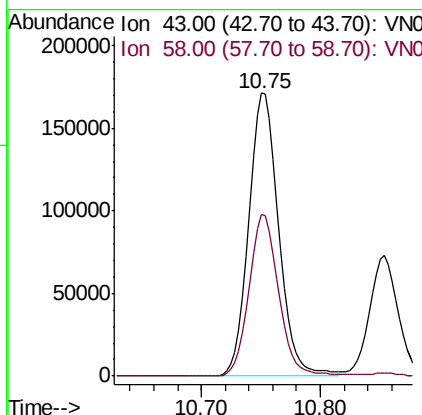
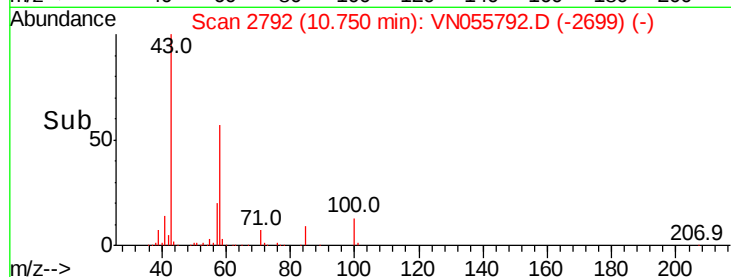
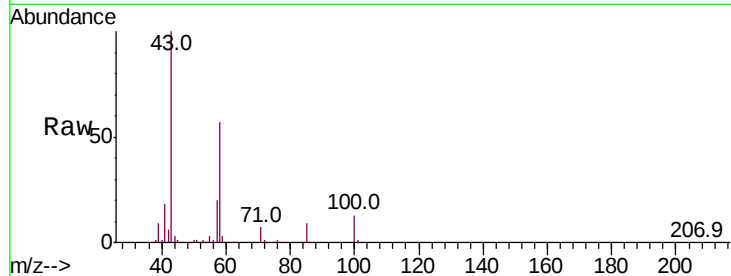
#59
2-Hexanone
Concen: 96.257 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion: 43 Resp: 298734
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7

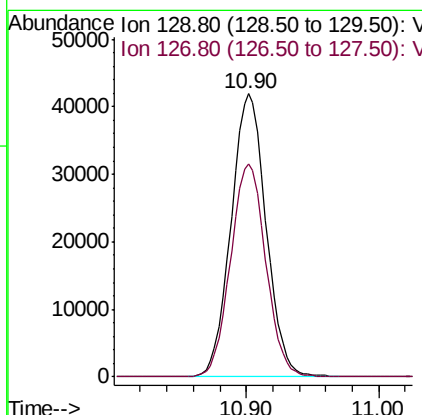
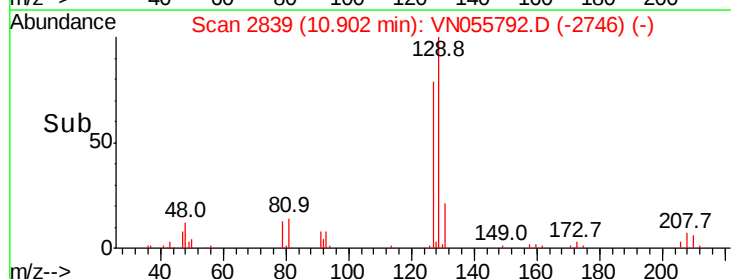
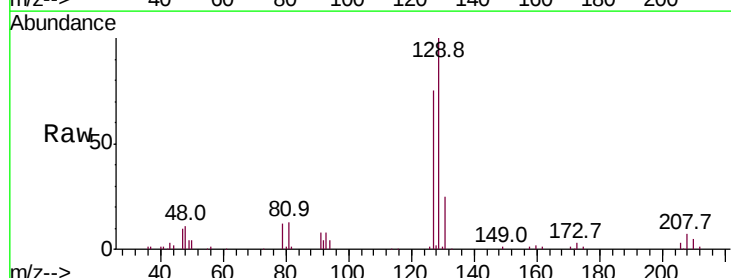
Manual Integrations
APPROVED

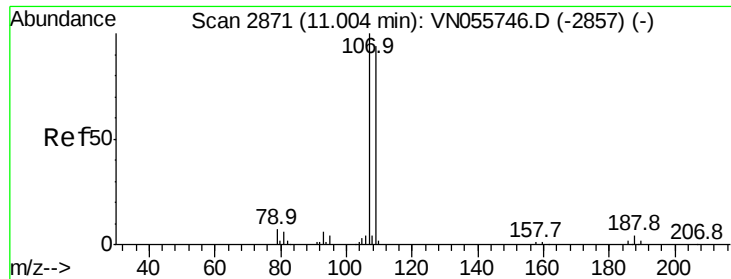
MMDadoda
5/28/2019 10:35:45 AM



#60
Dibromochloromethane
Concen: 19.045 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 129 Resp: 76848
Ion Ratio Lower Upper
129 100
127 75.5 38.1 114.3





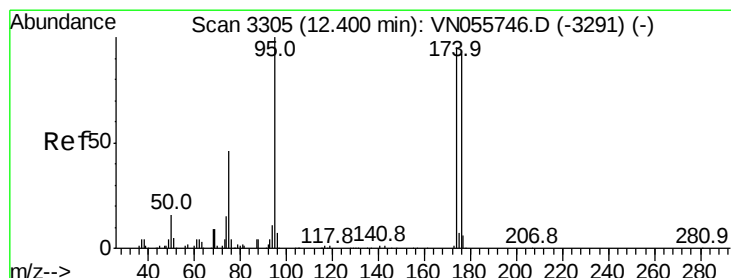
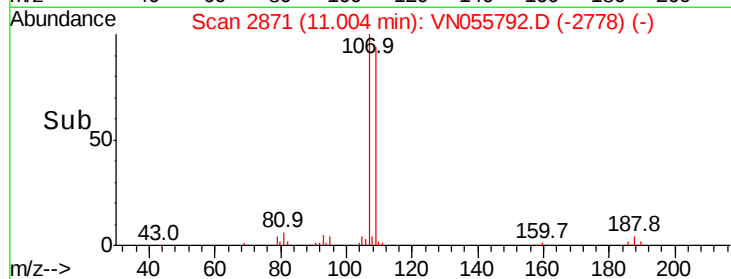
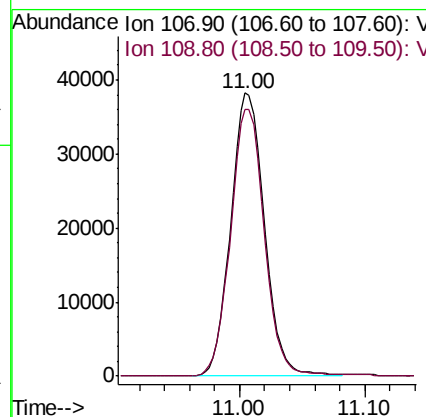
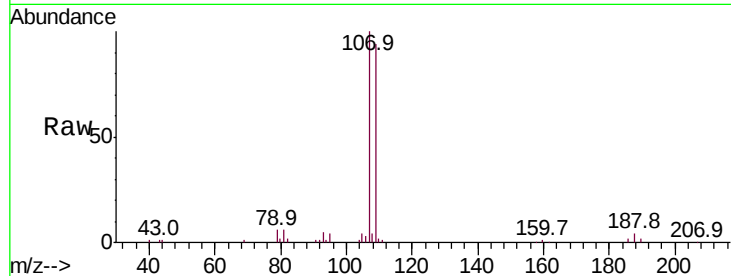
#61
 1,2-Dibromoethane
 Concen: 19.780 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.8	112.2

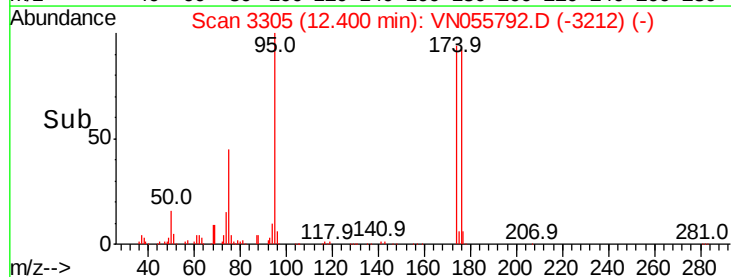
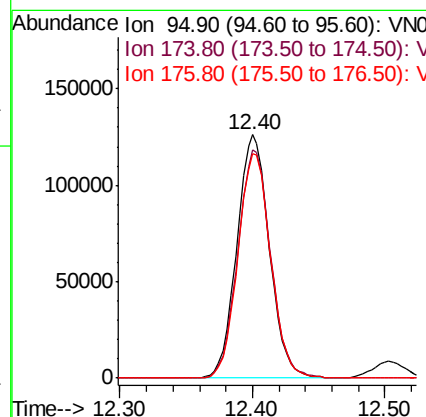
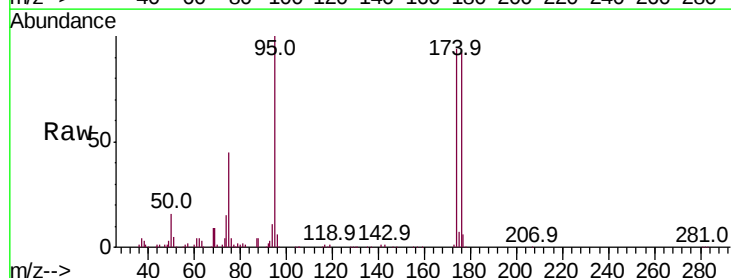
Manual Integrations
 APPROVED

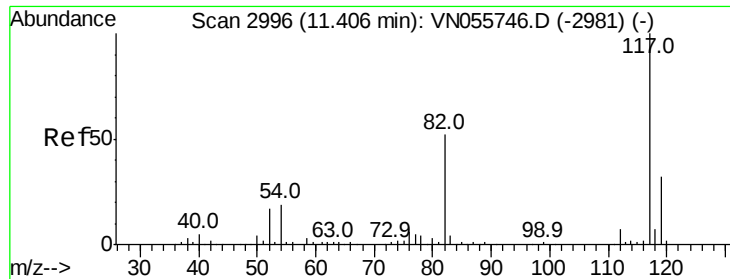
MMDadoda
 5/28/2019 10:35:45 AM



#62
 4-Bromofluorobenzene
 Concen: 49.257 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	191.0
176	93.1	0.0	185.2





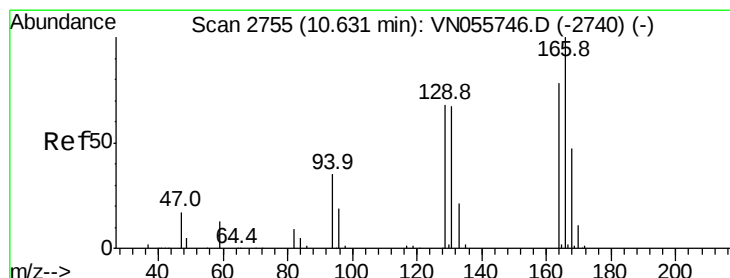
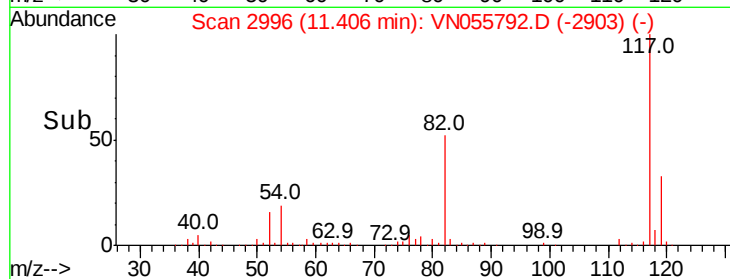
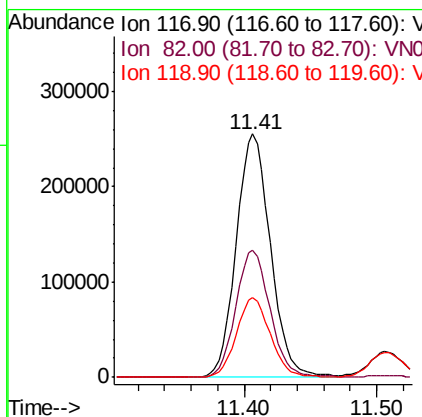
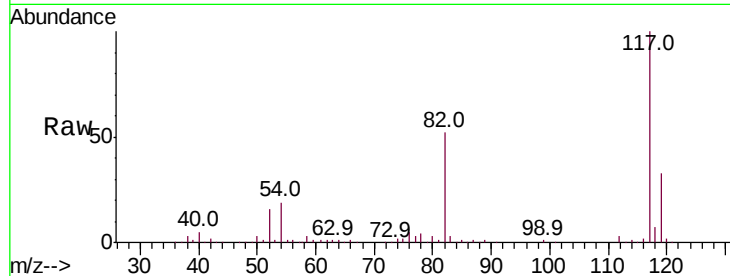
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.8
119	32.7	25.4	38.0

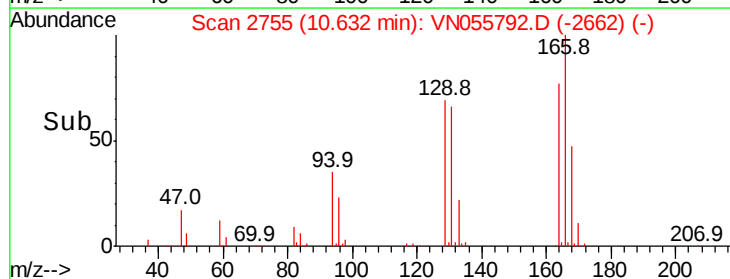
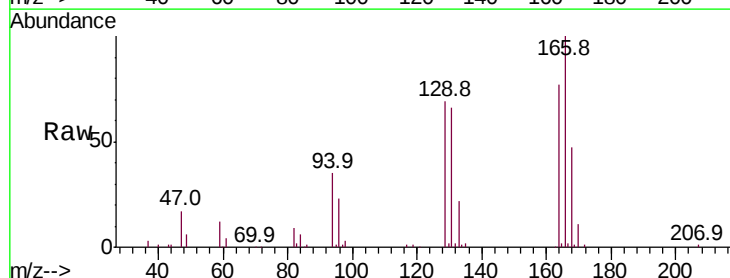
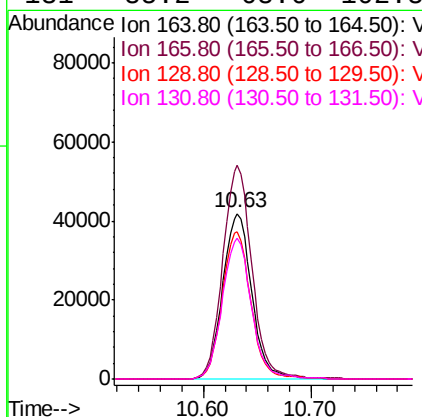
Manual Integrations
APPROVED

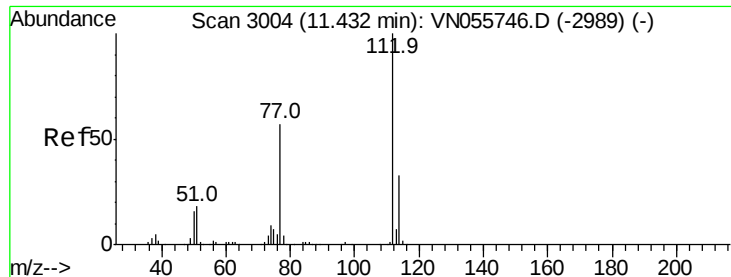
MMDadoda
5/28/2019 10:35:45 AM



#64
Tetrachloroethene
Concen: 20.295 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.0	154.6
129	88.9	70.6	105.8
131	85.2	68.6	102.8





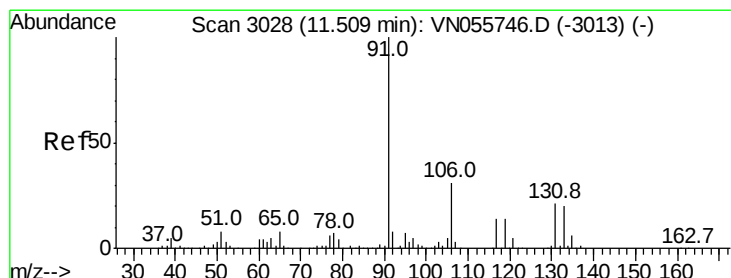
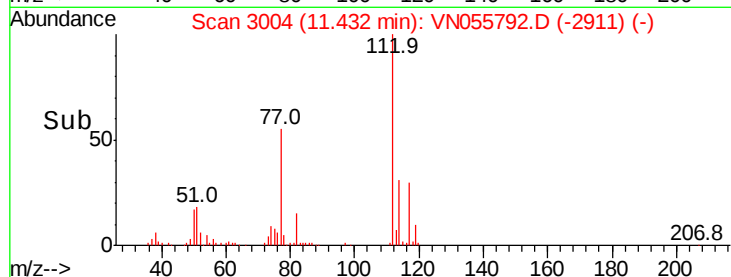
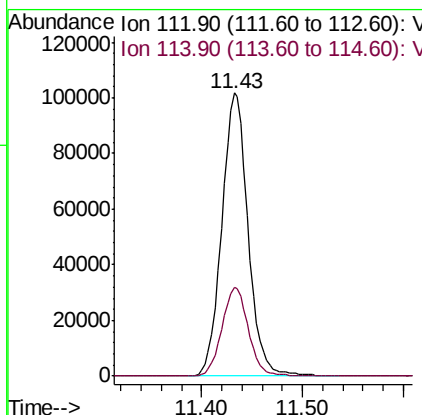
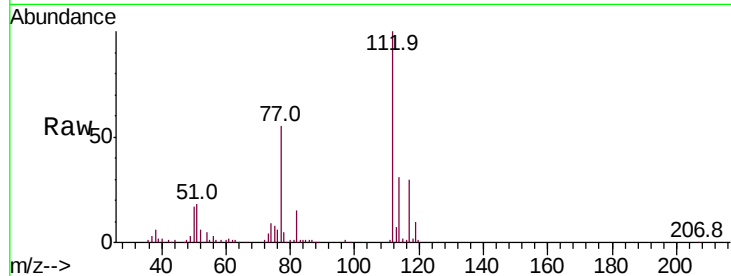
#65
Chlorobenzene
Concen: 20.103 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

Tot Ion:112 Resp: 184960
Ion Ratio Lower Upper
112 100
114 31.3 26.2 39.4

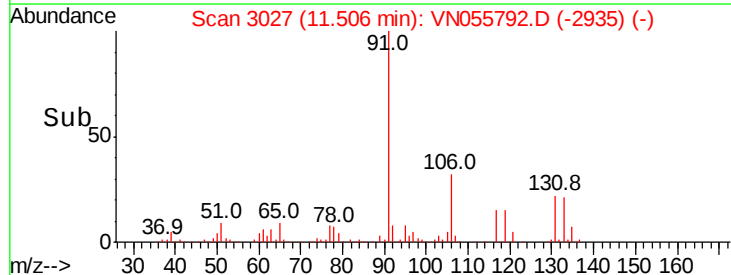
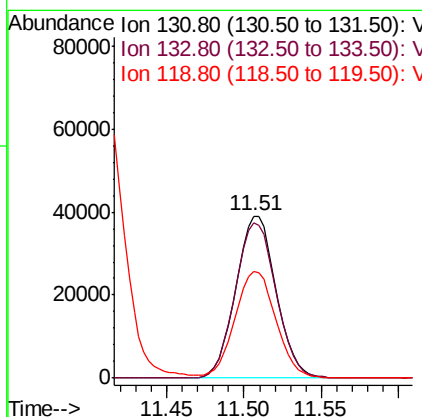
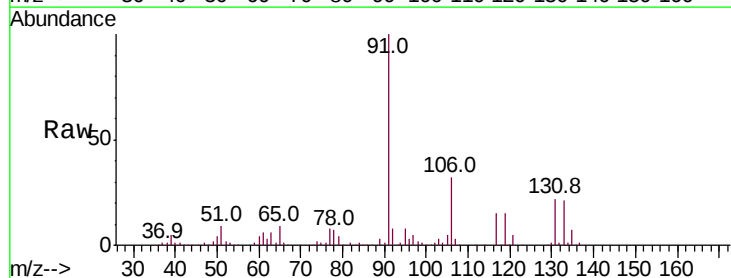
Manual Integrations
APPROVED

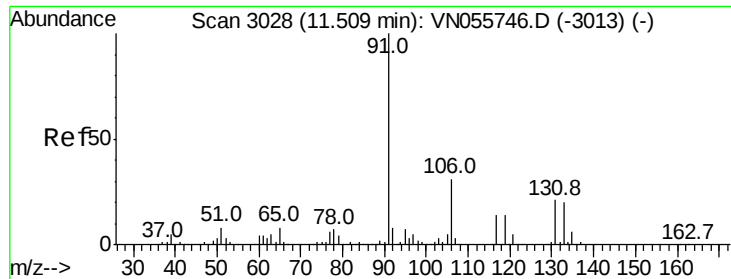
MMDadoda
5/28/2019 10:35:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.243 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:131 Resp: 70615
Ion Ratio Lower Upper
131 100
133 97.4 48.0 144.0
119 67.0 33.1 99.5





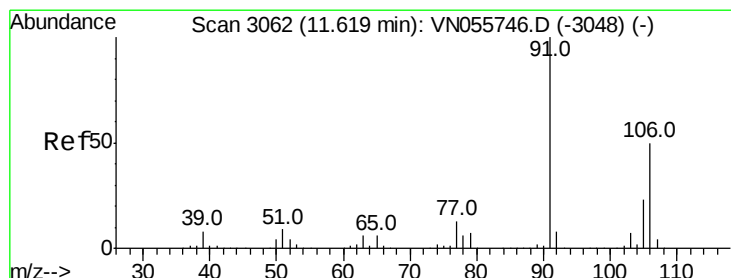
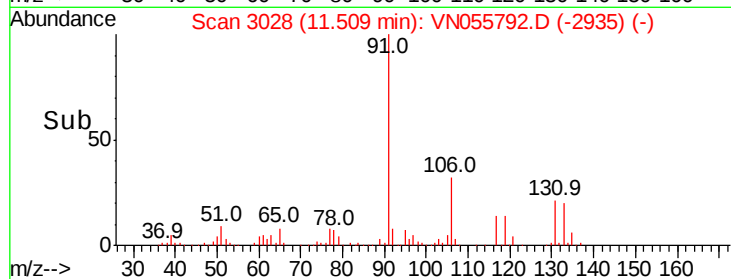
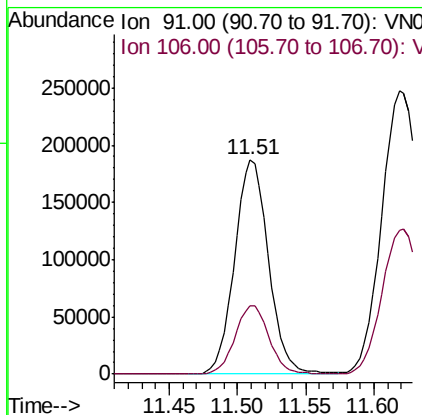
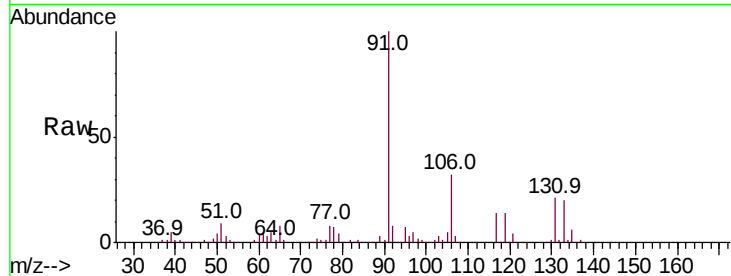
#67
Ethyl Benzene
Concen: 19.639 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

Tot Ion: 91 Resp: 324043
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7

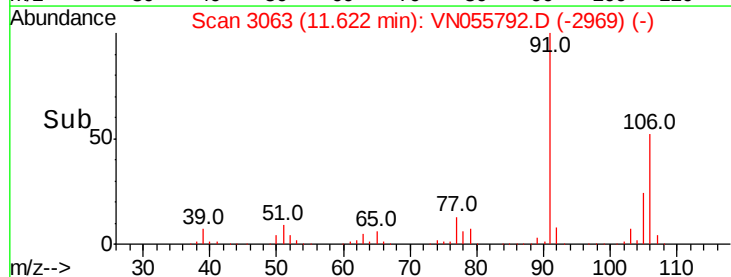
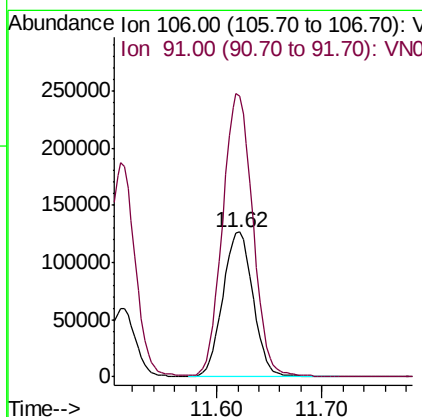
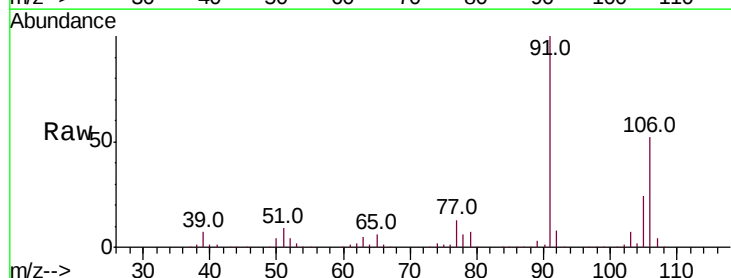
Manual Integrations
APPROVED

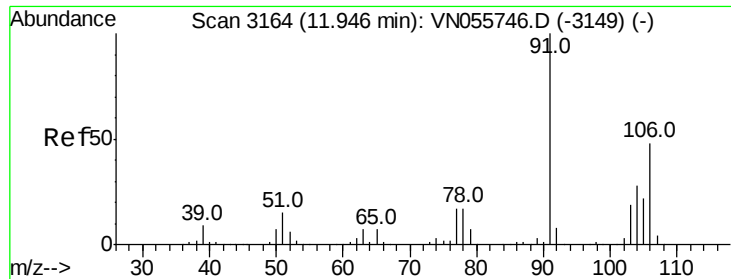
MMDadoda
5/28/2019 10:35:45 AM



#68
m/p-Xylenes
Concen: 40.389 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion: 106 Resp: 251935
Ion Ratio Lower Upper
106 100
91 195.1 159.3 238.9





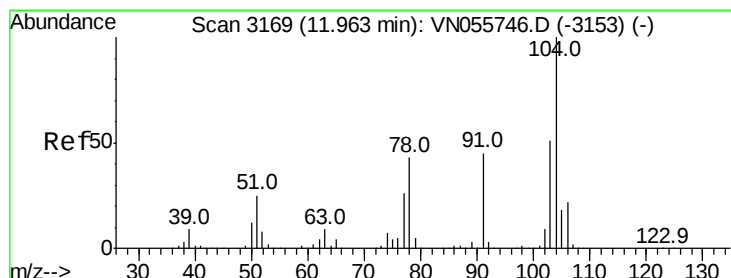
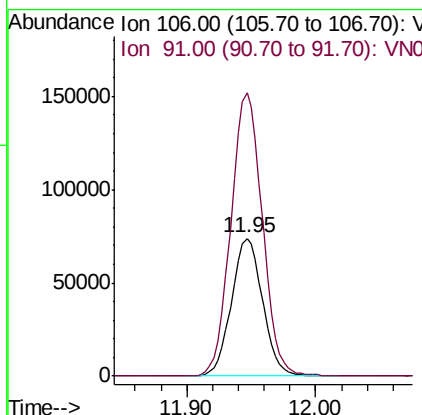
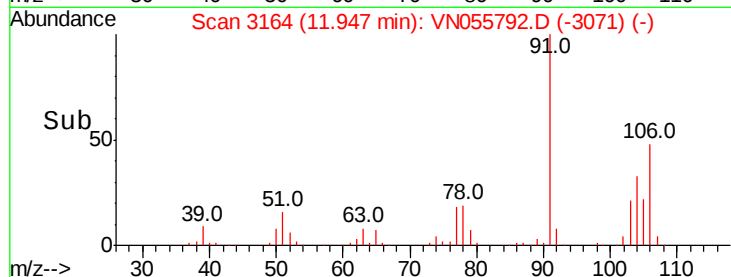
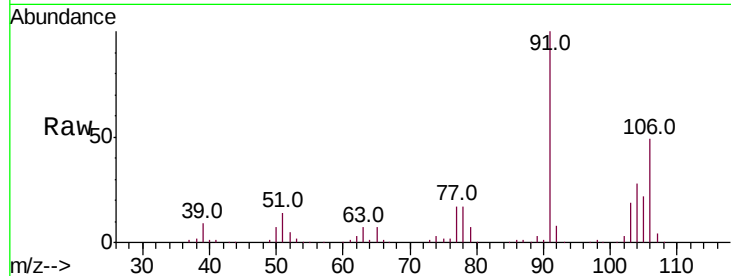
#69
o-Xylene
Concen: 20.041 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion:106 Resp: 124026
Ion Ratio Lower Upper
106 100
91 207.1 104.7 314.1

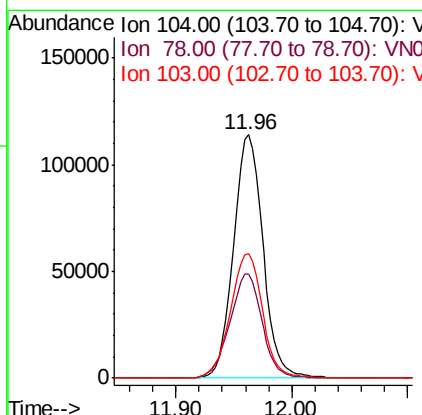
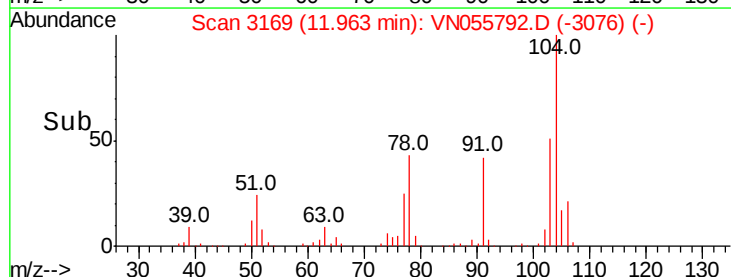
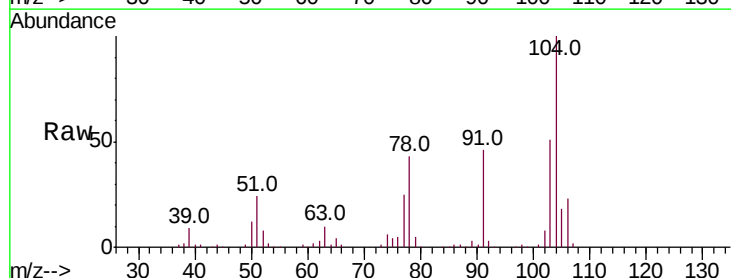
Manual Integrations
APPROVED

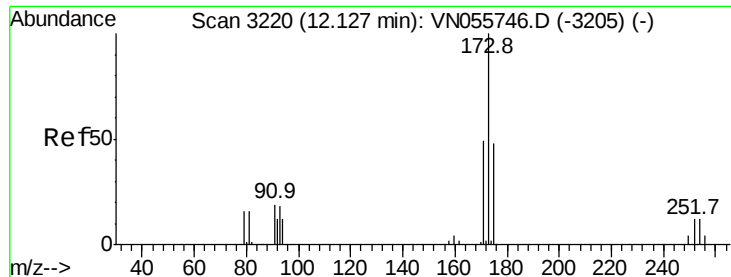
MMDadoda
5/28/2019 10:35:45 AM



#70
Styrene
Concen: 20.015 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion:104 Resp: 200590
Ion Ratio Lower Upper
104 100
78 46.7 37.8 56.6
103 55.6 44.2 66.2





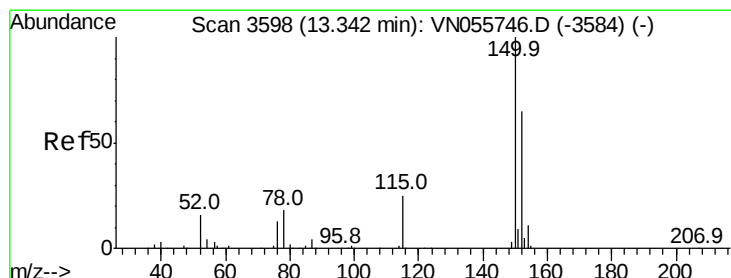
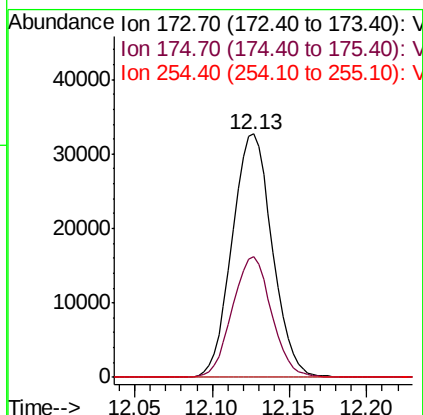
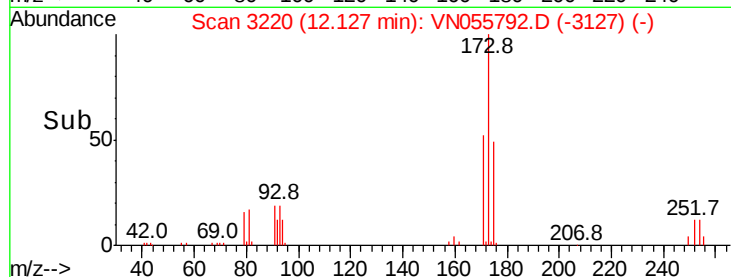
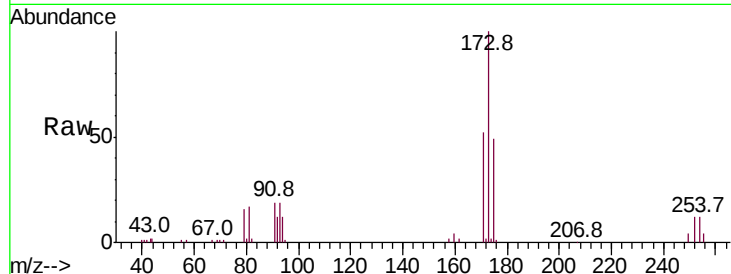
#71
Bromoform
Concen: 18.822 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampled :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.0	0.0

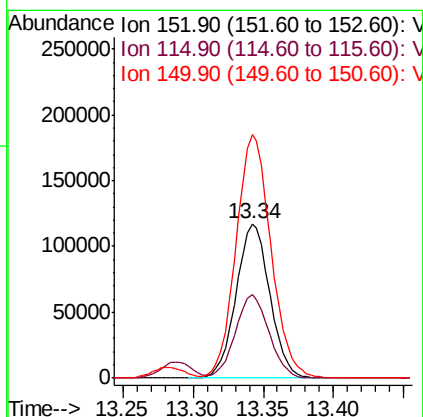
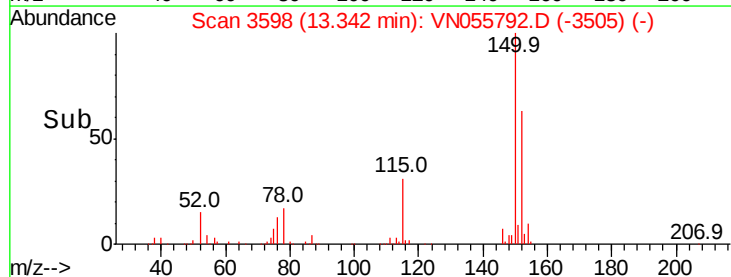
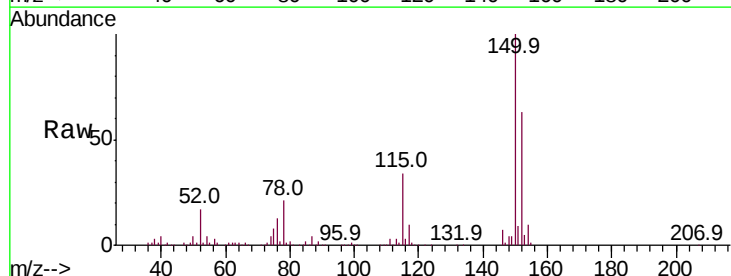
Manual Integrations
APPROVED

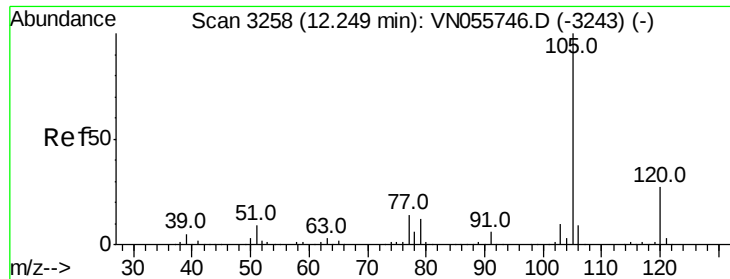
MMDadoda
5/28/2019 10:35:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.0	81.0
150	163.9	0.0	343.2





#73

Isopropylbenzene

Concen: 21.577 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion:105 Resp: 321951

Ion Ratio Lower Upper

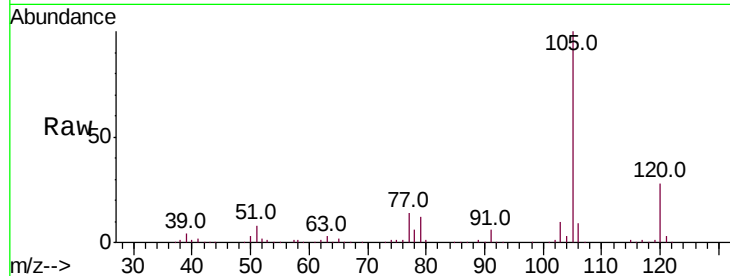
105 100

120 27.6 13.6 40.7

Manual Integrations
APPROVED

MMDadoda

5/28/2019 10:35:45 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

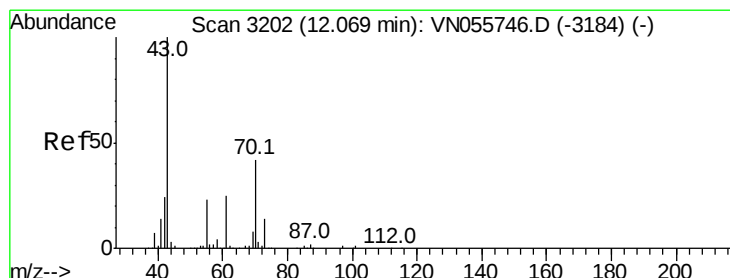
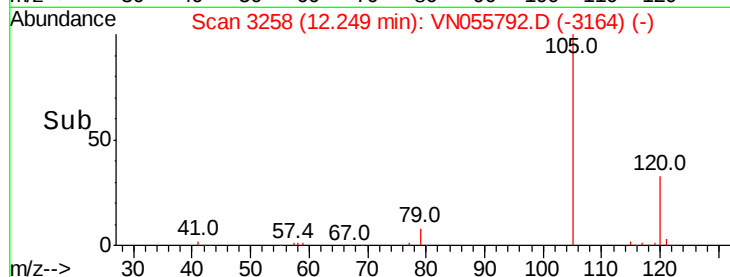
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.753 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Tgt Ion: 43 Resp: 112153

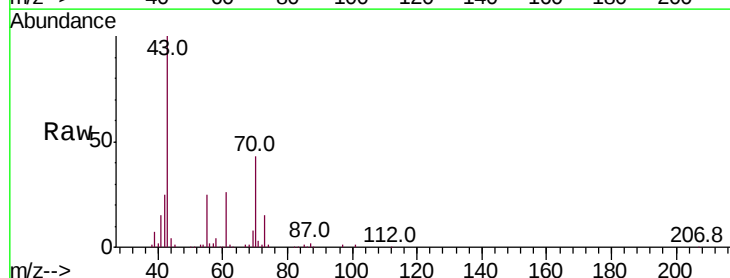
Ion Ratio Lower Upper

43 100

70 43.8 34.0 51.0

55 25.0 18.6 28.0

61 25.1 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

100000

80000

60000

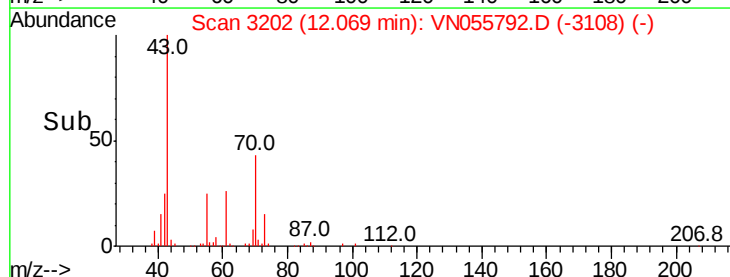
40000

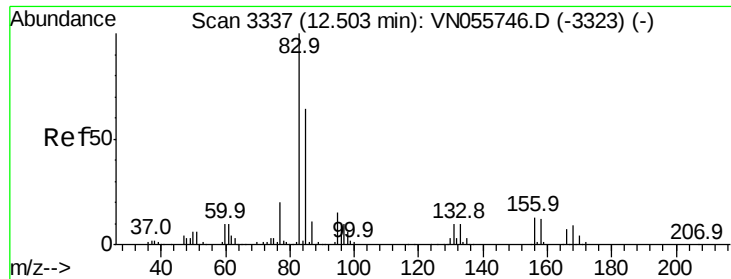
20000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.200 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

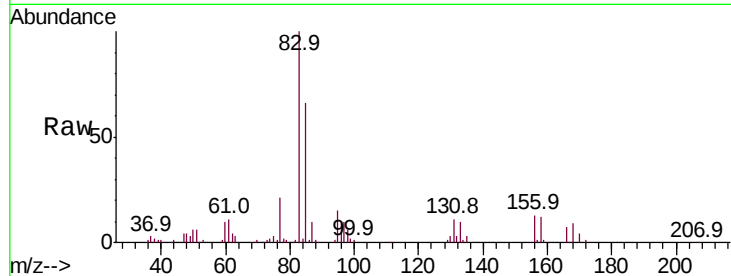
ClientSampled :

VN0524MBS01

Tot Ion:	83	Resp:	95414
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	65.9	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN055746.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055746.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-3323) (-)

Time-->

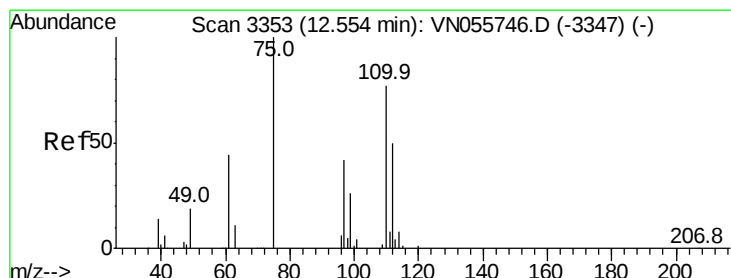
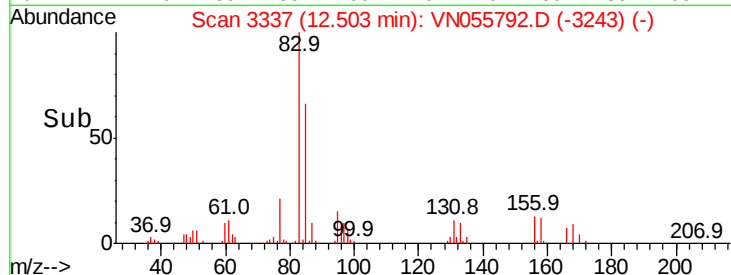
12.50

40000

20000

0

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 21.226 ug/l m

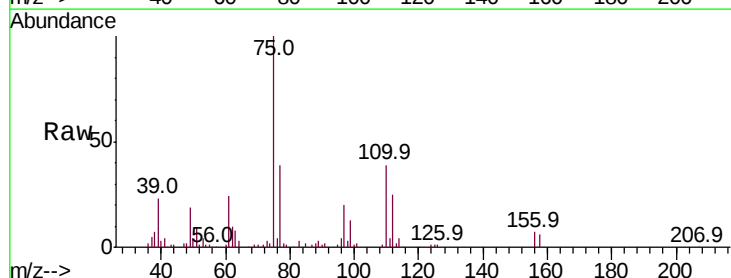
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Tgt Ion:	75	Resp:	77749
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055746.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN055746.D (-3347) (-)

Time-->

12.55

80000

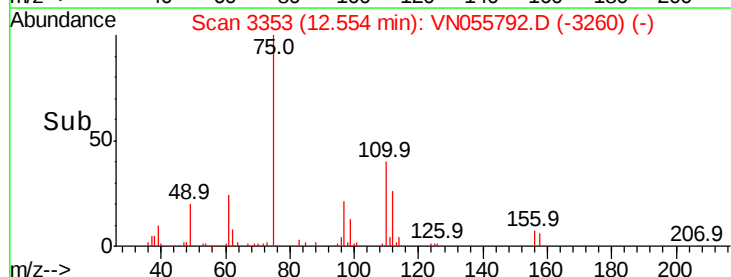
60000

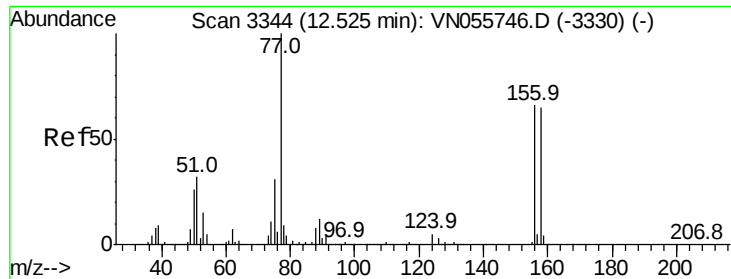
40000

20000

0

12.55 12.60





#77

Bromobenzene

Concen: 20.674 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0524MBS01

Tot Ion:156 Resp: 86466

Ion Ratio Lower Upper

156 100

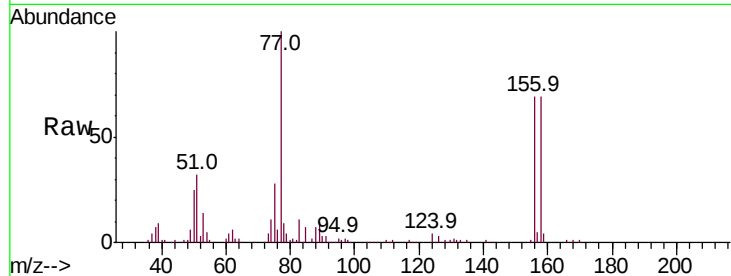
77 174.0 90.8 272.5

158 97.8 49.3 147.8

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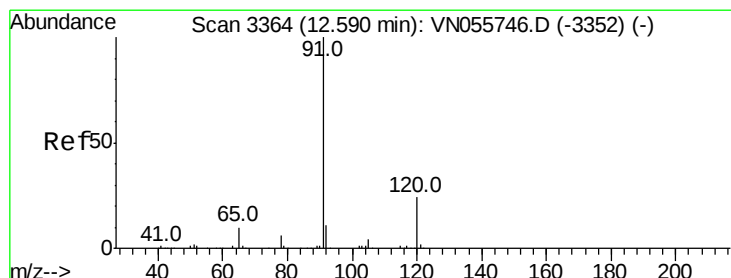
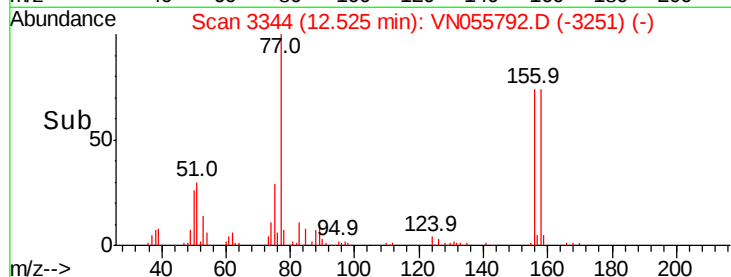
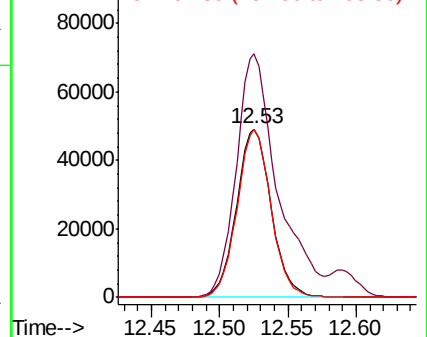
5/28/2019 10:35:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.726 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055792.D

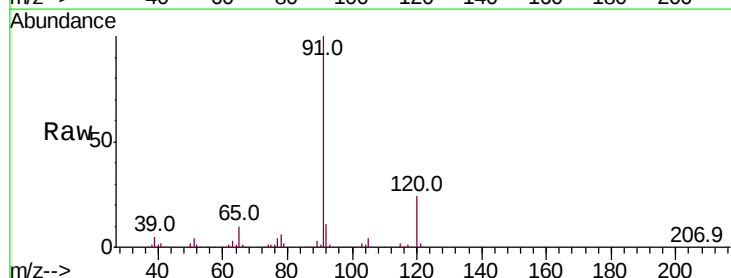
Acq: 24 May 2019 13:37

Tgt Ion: 91 Resp: 336015

Ion Ratio Lower Upper

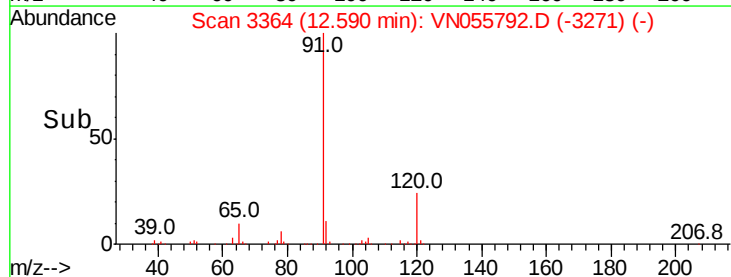
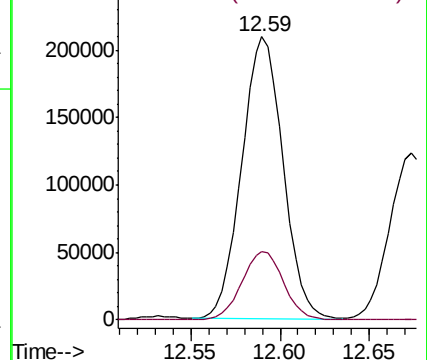
91 100

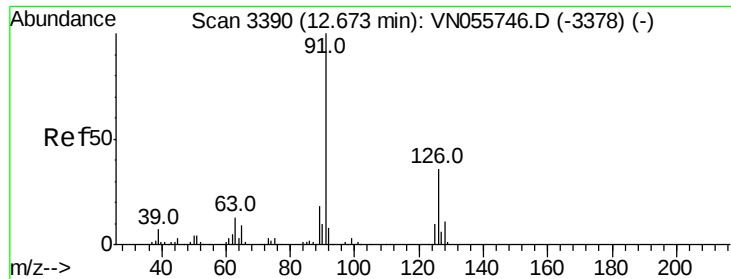
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





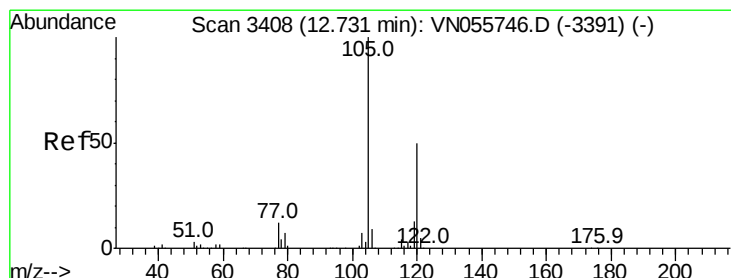
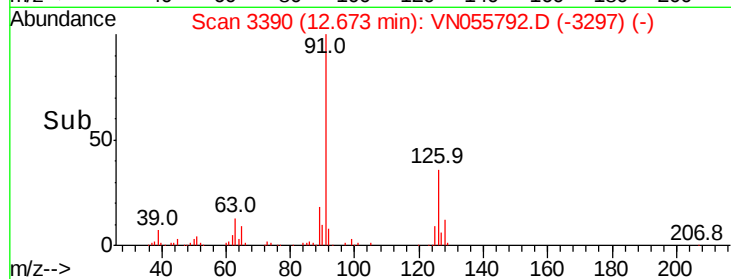
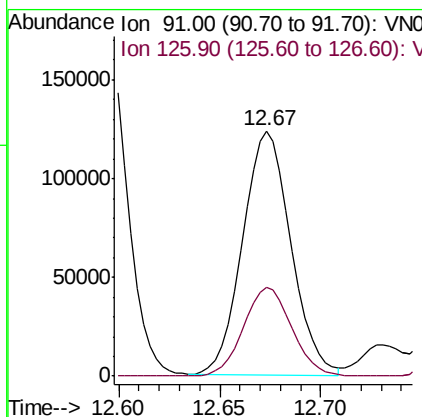
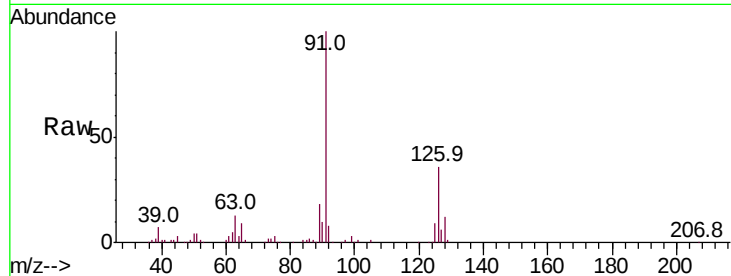
#79
 2-Chlorotoluene
 Concen: 21.059 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.4	18.1	54.4

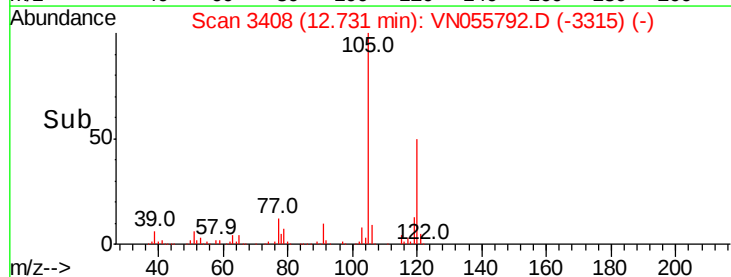
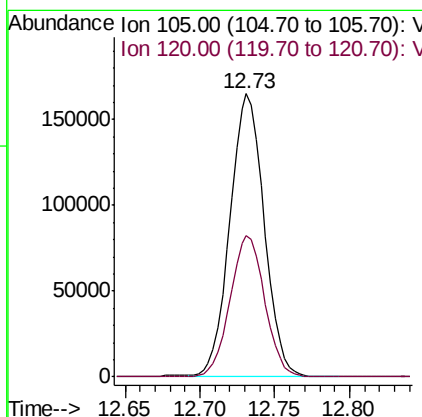
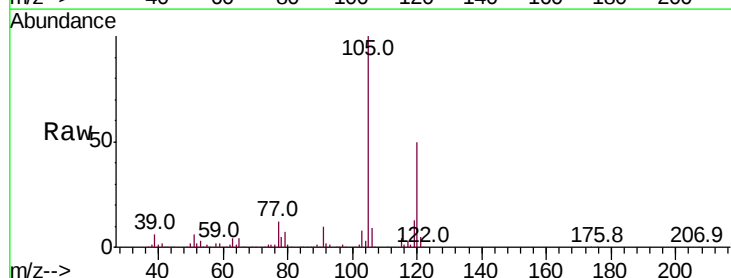
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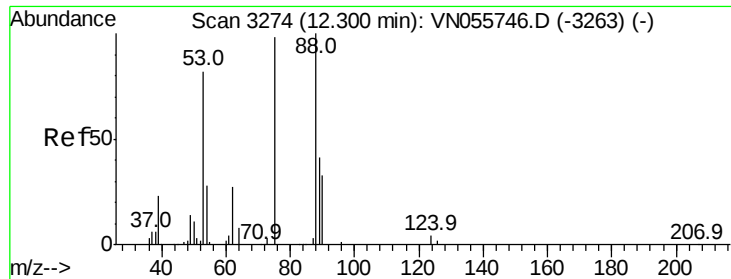
MMDadoda
 5/28/2019 10:35:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.929 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.7	74.1





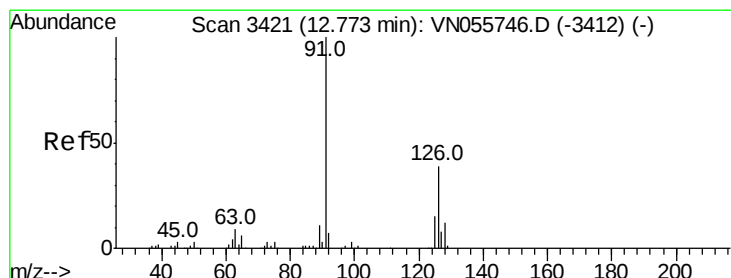
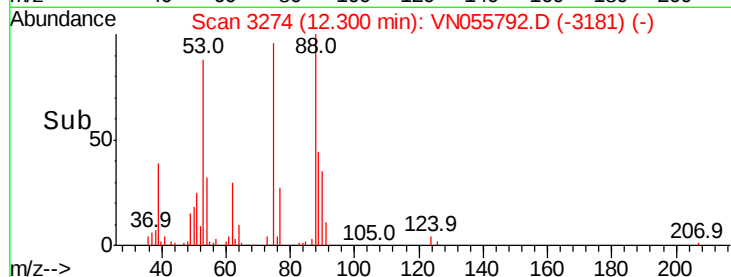
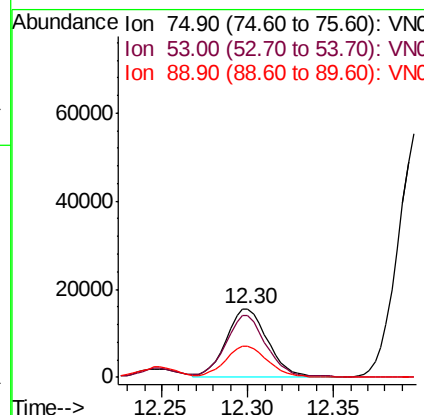
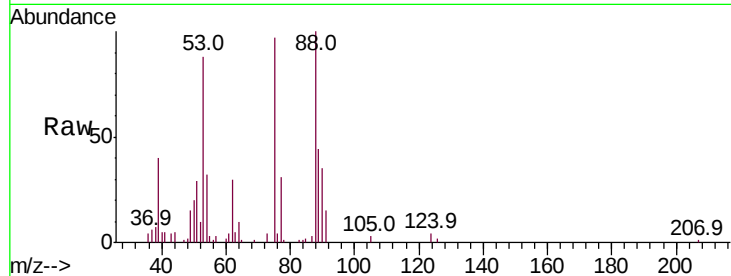
#81
trans-1,4-Dichloro-2-butene
Concen: 18.036 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.2	68.1	102.1
89	46.7	36.9	55.3

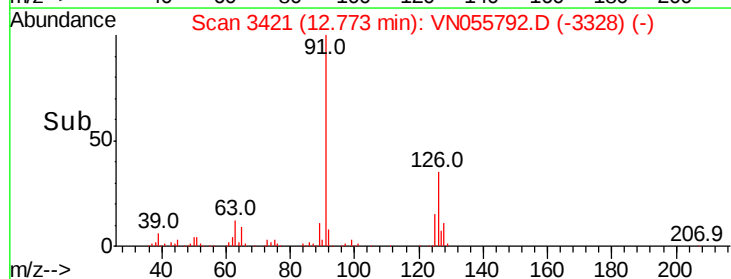
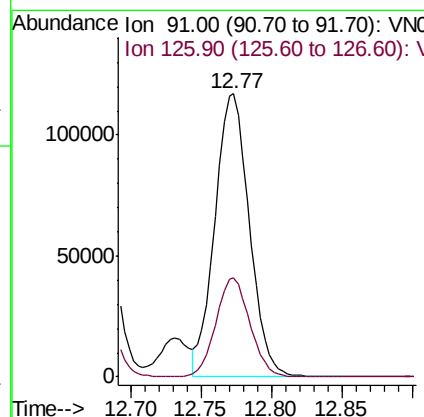
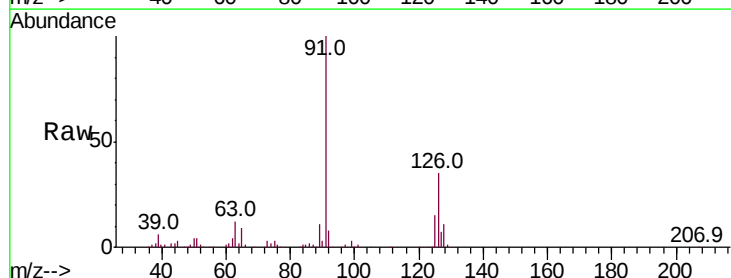
Manual Integrations
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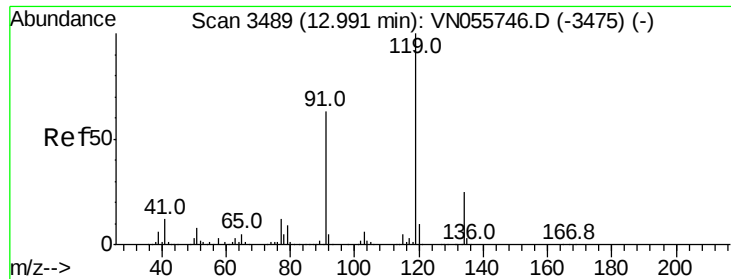
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#82
4-Chlorotoluene
Concen: 19.875 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.702 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Instrument :

MSVOA_N

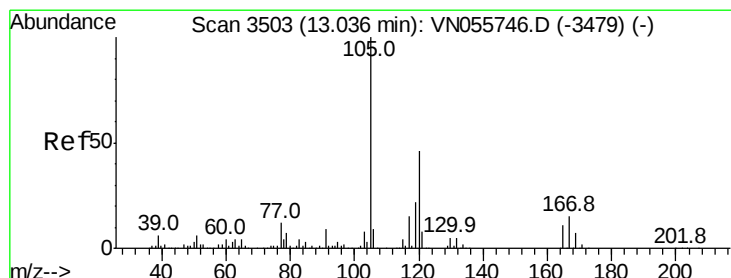
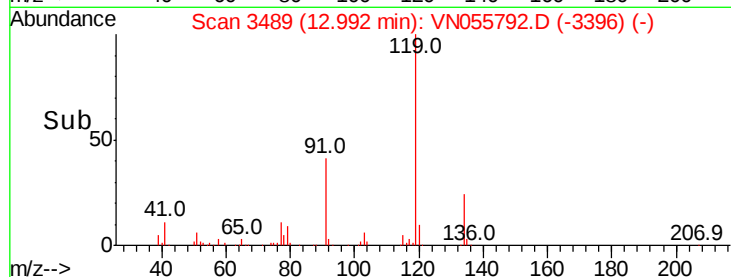
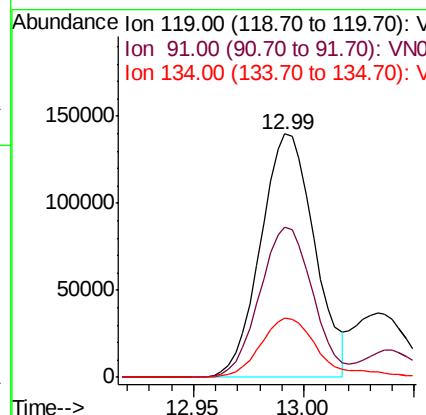
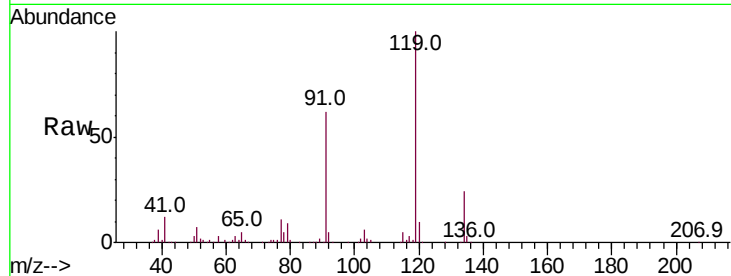
ClientSampled :

VN0524MBS01

Tot Ion:	119	Resp:	237517
Ion Ratio	Lower	Upper	
119	100		
91	61.0	30.9	92.8
134	26.1	13.3	39.8

Manual Integrations
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5/28/2019 10:35:45 AM



#84

1,2,4-Trimethylbenzene

Concen: 21.501 ug/l

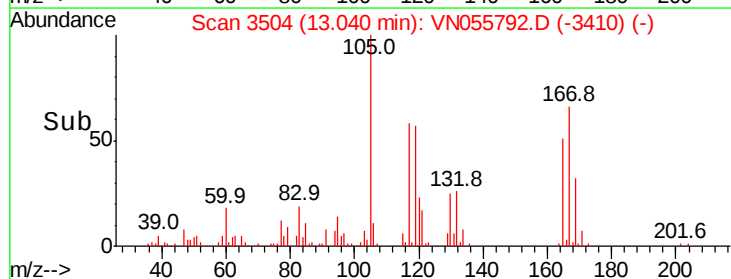
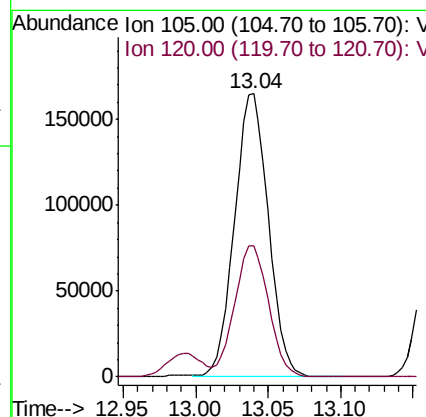
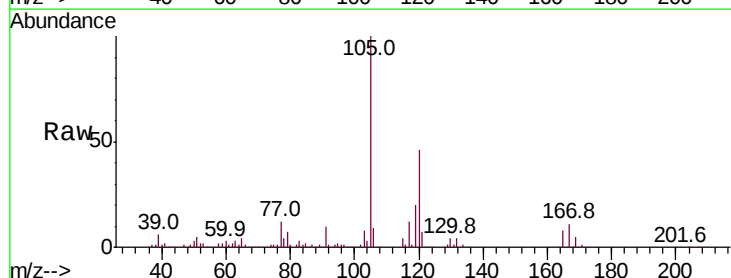
RT: 13.04 min Scan# 3504

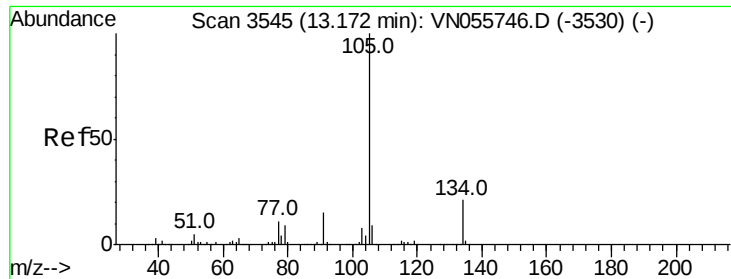
Delta R.T. 0.00 min

Lab File: VN055792.D

Acq: 24 May 2019 13:37

Tgt Ion:	105	Resp:	267541
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.0	69.0





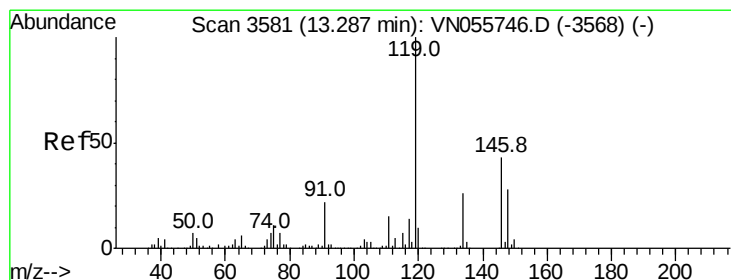
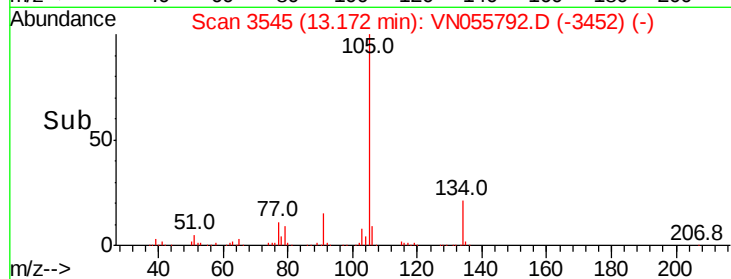
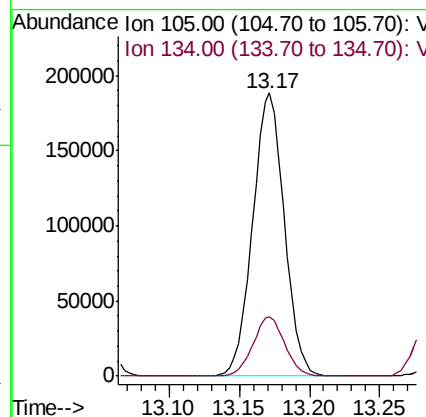
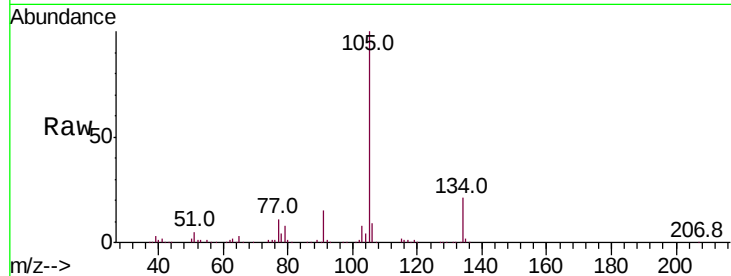
#85
 sec-Butylbenzene
 Concen: 21.042 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	295668		
134	21.0	10.4	31.2	

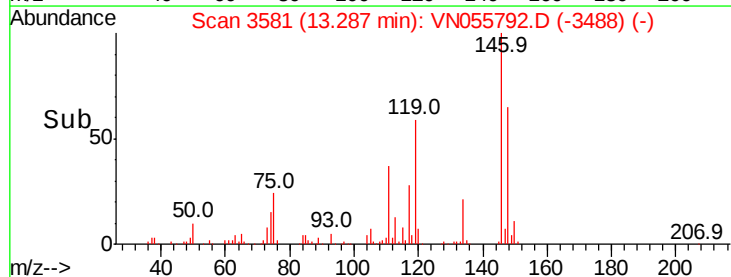
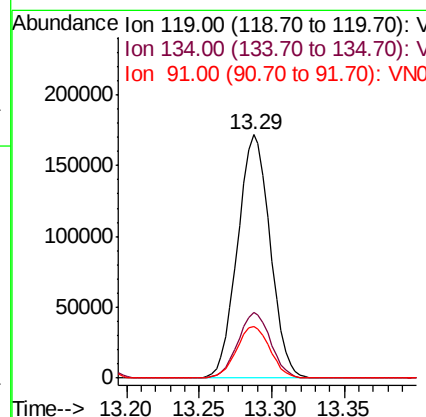
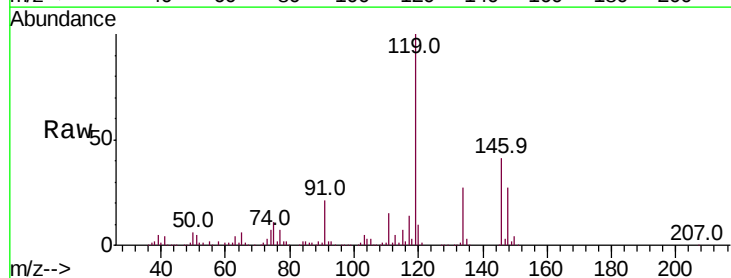
Manual Integrations
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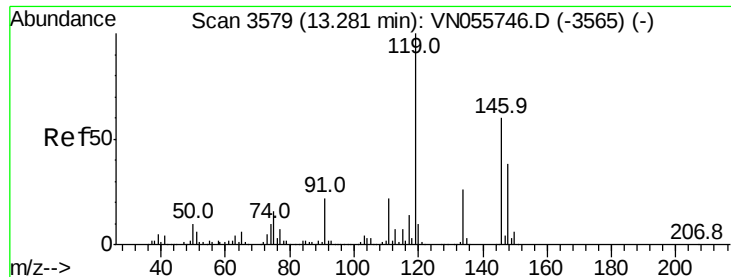
MMDadoda
 5/28/2019 10:35:45 AM



#86
 p-Isopropyltoluene
 Concen: 19.728 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	268515		
134	27.0	13.4	40.1	
91	21.5	10.9	32.9	





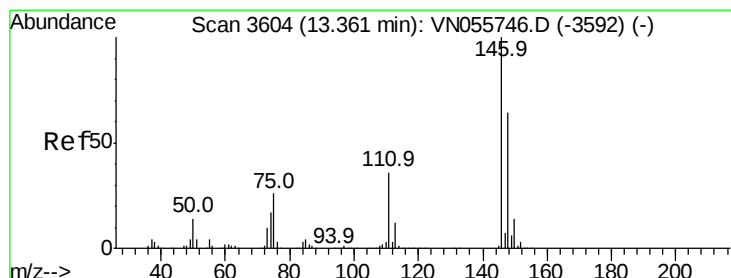
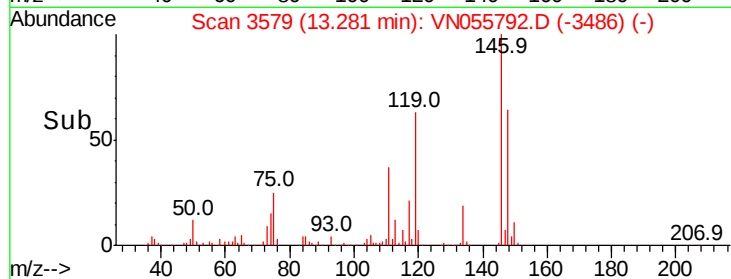
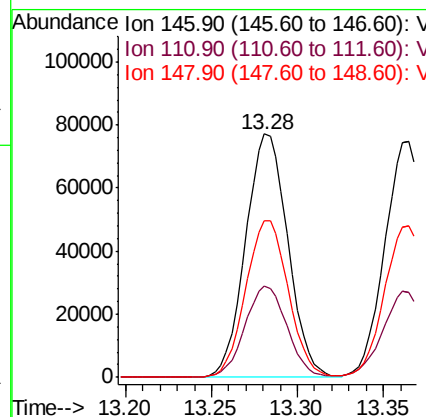
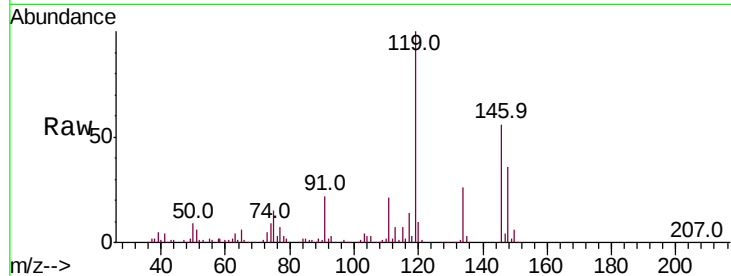
#87
 1,3-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	65.0	32.0	96.2

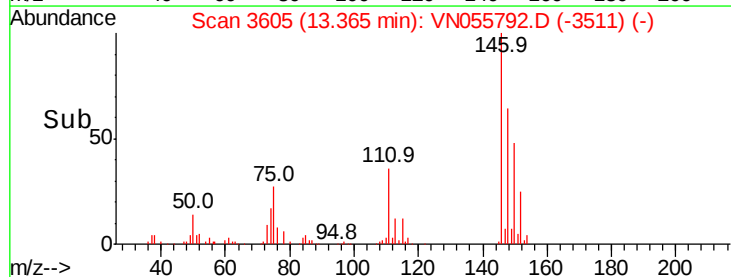
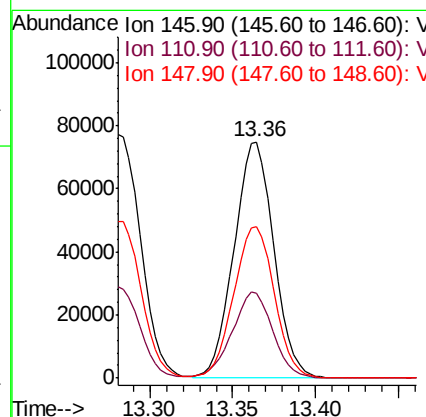
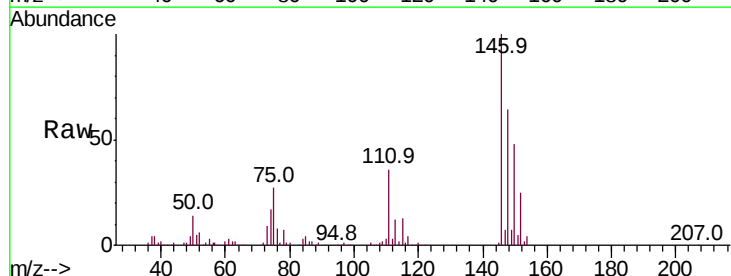
Manual Integrations
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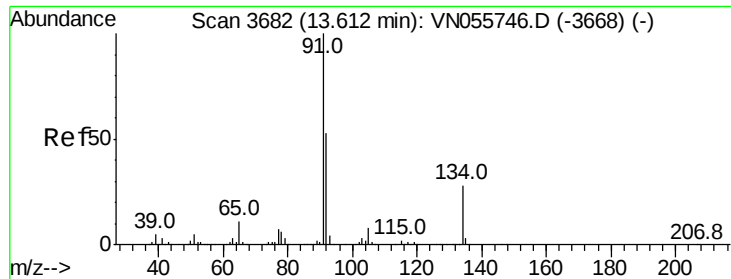
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 5/28/2019 10:35:45 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.866 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	65.6	32.1	96.5





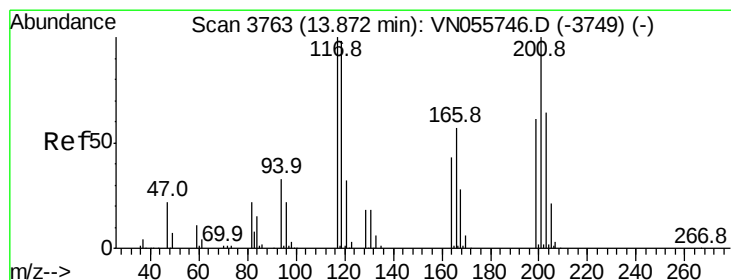
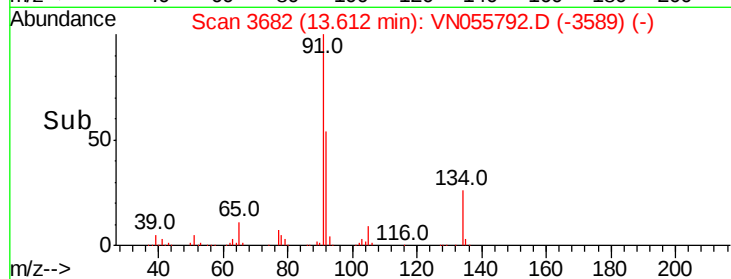
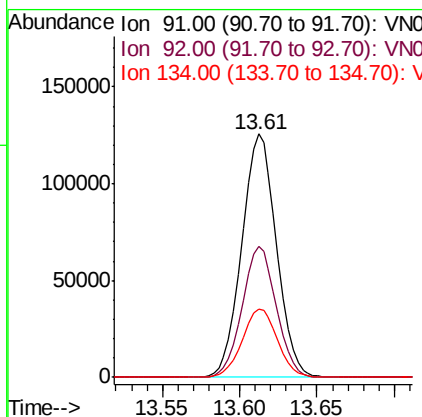
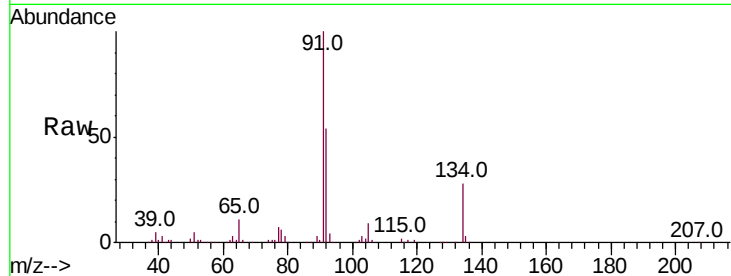
#89
n-Butylbenzene
Concen: 18.769 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.8	26.4	79.0	
134	28.7	13.9	41.7	

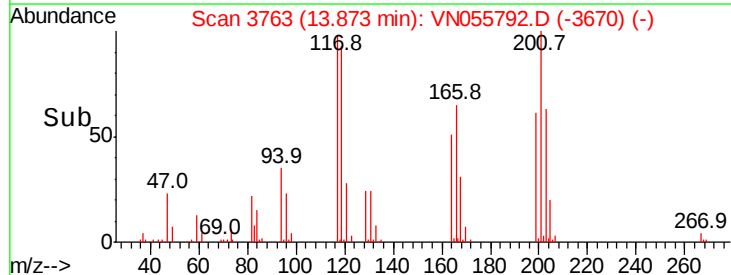
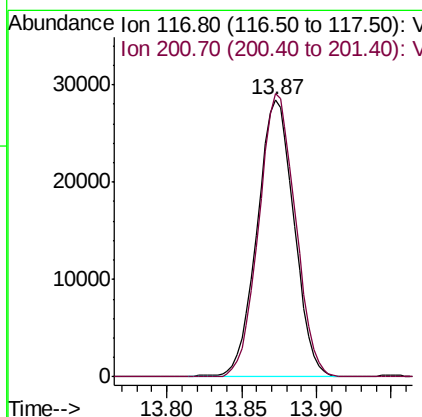
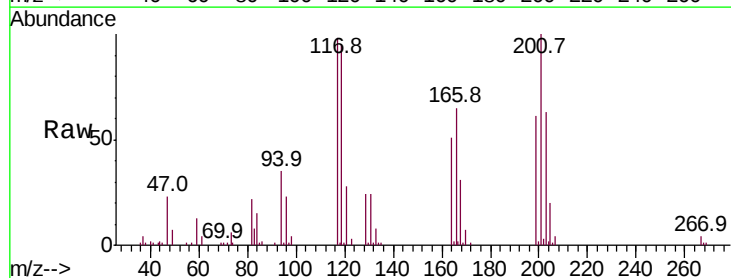
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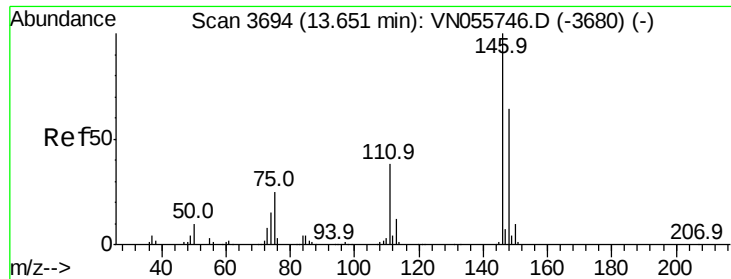
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5/28/2019 10:35:45 AM



#90
Hexachloroethane
Concen: 18.851 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	100.9	50.0	150.0	





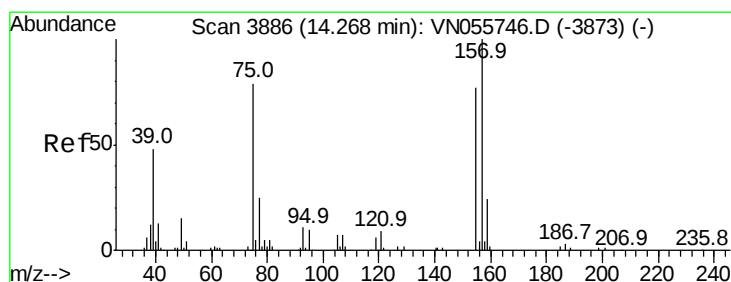
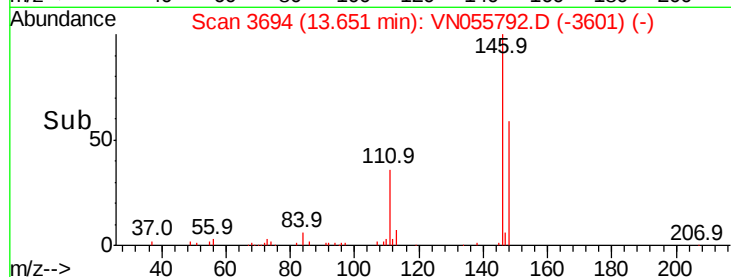
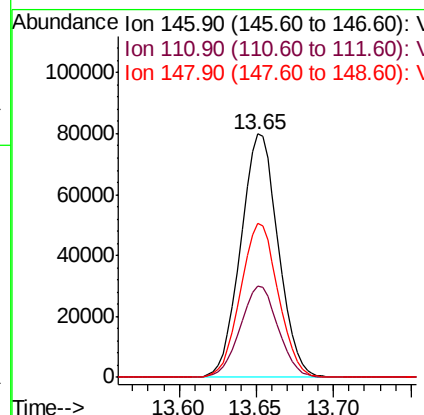
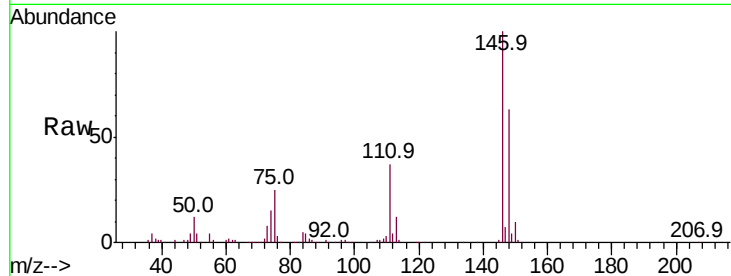
#91
 1,2-Dichlorobenzene
 Concen: 20.396 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	134760		
111	37.8	19.1	57.5	
148	63.4	31.9	95.9	

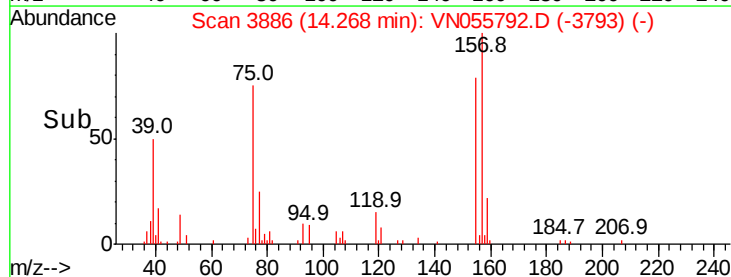
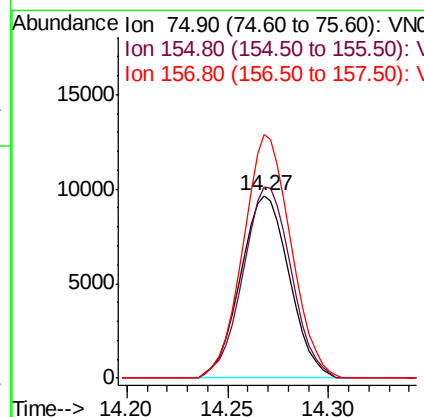
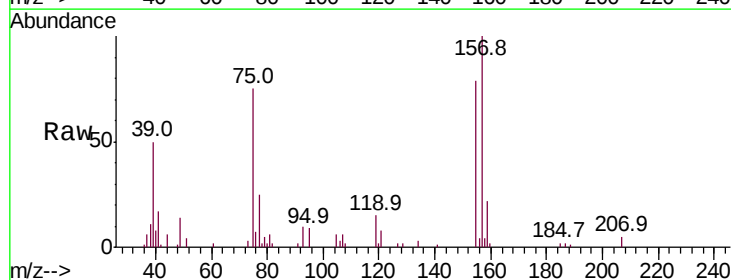
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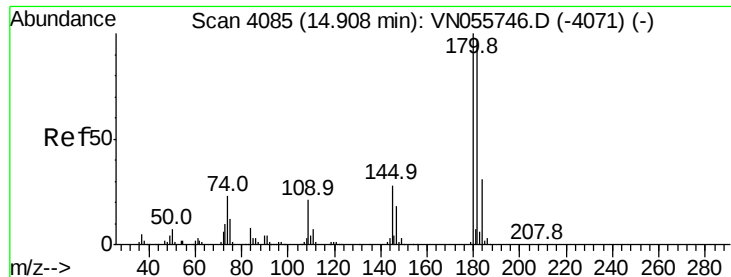
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.864 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16382		
155	103.4	50.0	150.1	
157	130.5	64.8	194.3	





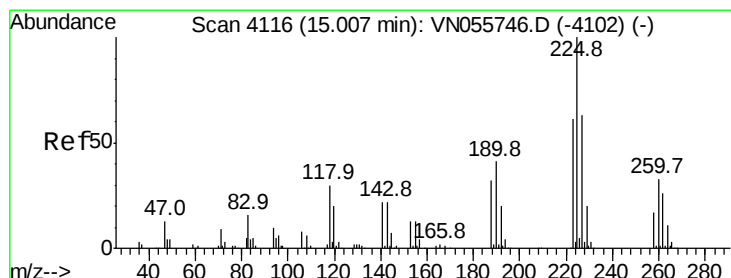
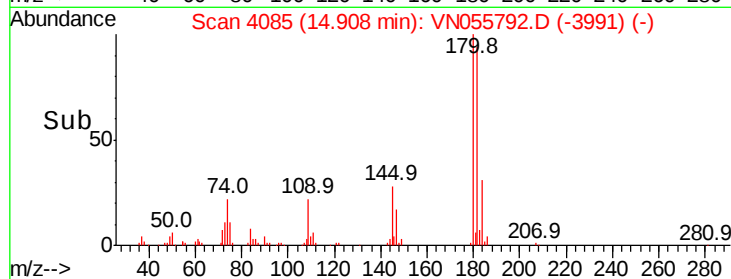
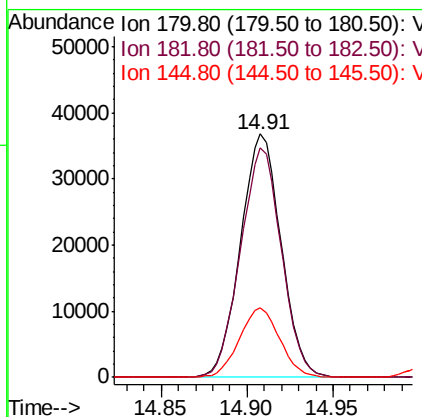
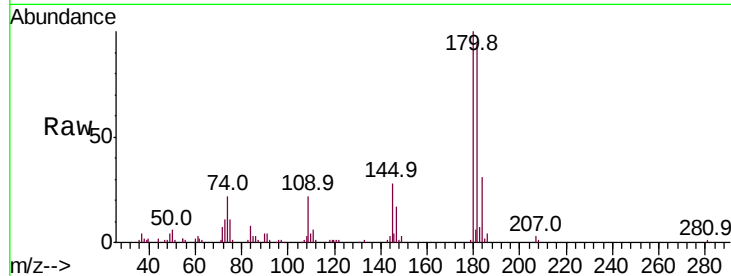
#93
 1,2,4-Trichlorobenzene
 Concen: 18.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	48.3	144.9	
145	28.3	14.0	41.9	

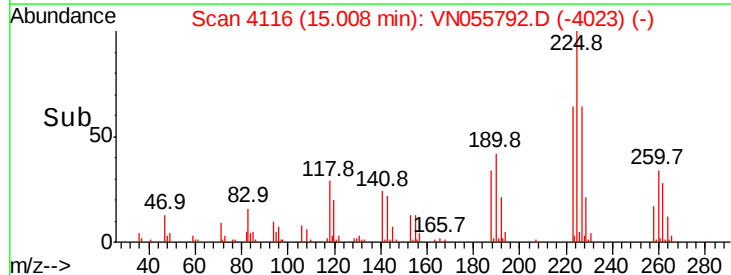
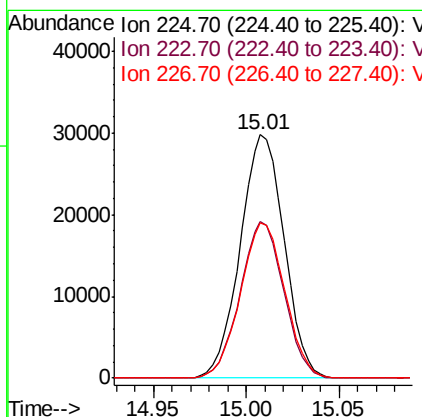
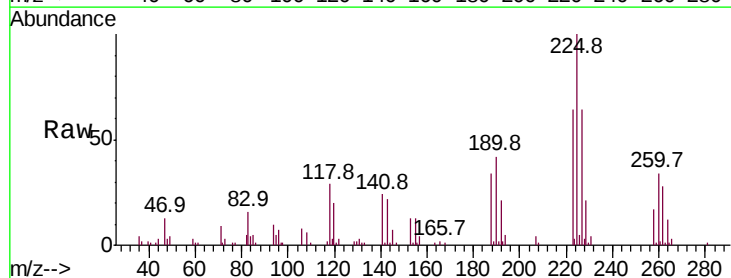
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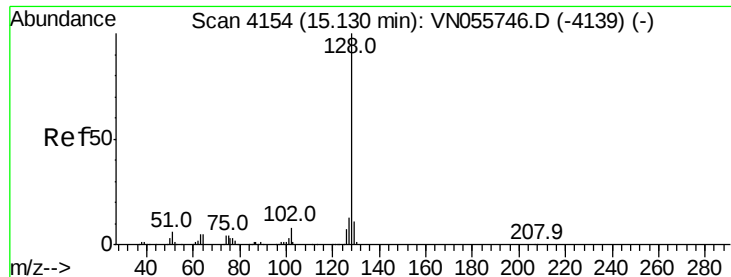
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 5/28/2019 10:35:45 AM



#94
 Hexachlorobutadiene
 Concen: 19.943 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055792.D
 Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	30.9	92.7	
227	64.5	31.6	94.7	





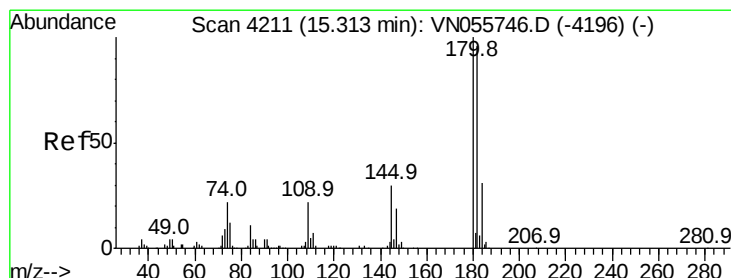
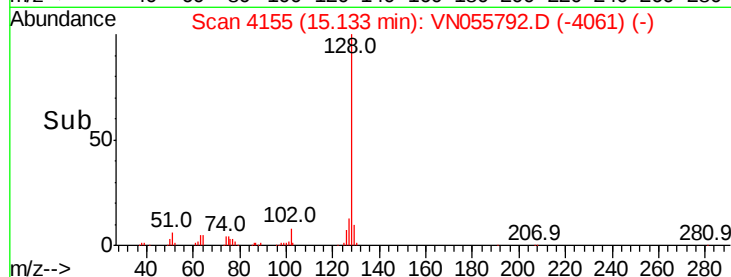
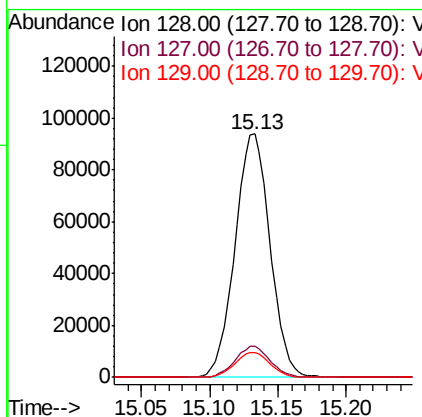
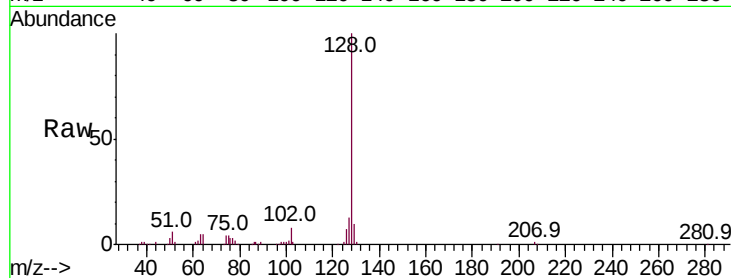
#95
Naphthalene
Concen: 18.435 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0524MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.4	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.395 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055792.D
Acq: 24 May 2019 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.9	143.7
145	30.1	14.9	44.7

