

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055859.D
 Acq On : 28 May 2019 17:52
 Operator : JC/SP
 Sample : VN0528MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:10:03 AM

Quant Time: May 29 10:25:12 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	365330	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	198163	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	186193	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	166877	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	10.09	98	642097	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.40	95	206626	46.39	ug/l	0.00
Spiked Amount			Recovery	=	92.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	45070	18.331	ug/l	99
3) Chloromethane	2.06	50	63043	18.300	ug/l	99
4) Vinyl Chloride	2.18	62	69223	18.840	ug/l	99
5) Bromomethane	2.54	94	49759m	21.647	ug/l	
6) Chloroethane	2.69	64	44003	19.891	ug/l	100
7) Trichlorofluoromethane	3.01	101	91917	19.081	ug/l	96
8) Diethyl Ether	3.40	74	41618	19.276	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58467	19.444	ug/l	98
10) Methyl Iodide	3.94	142	93469	21.261	ug/l	99
11) Tert butyl alcohol	4.82	59	77141	107.012	ug/l	100
12) 1,1-Dichloroethene	3.72	96	60676	19.529	ug/l	96
13) Acrolein	3.60	56	44616	86.437	ug/l	95
14) Allyl chloride	4.31	41	100698	18.906	ug/l	99
15) Acrylonitrile	4.99	53	170737	103.146	ug/l	100
16) Acetone	3.82	43	139945	84.383	ug/l	99
17) Carbon Disulfide	4.04	76	149446	16.930	ug/l	100
18) Methyl Acetate	4.33	43	76649	22.027	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209379	20.206	ug/l	100
20) Methylene Chloride	4.54	84	72011	20.049	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	64830	19.422	ug/l	97
22) Diisopropyl ether	5.96	45	210024	20.273	ug/l	99
23) Vinyl Acetate	5.90	43	864034	97.277	ug/l	100
24) 1,1-Dichloroethane	5.84	63	119274	19.775	ug/l	99
25) 2-Butanone	6.84	43	227254	98.116	ug/l	99
26) 2,2-Dichloropropane	6.82	77	82252	15.757	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	80165	20.585	ug/l	96
28) Bromochloromethane	7.19	49	59175	20.606	ug/l	96
29) Tetrahydrofuran	7.22	42	152088	103.690	ug/l	99
30) Chloroform	7.37	83	121591	20.214	ug/l	99
31) Cyclohexane	7.65	56	110164	19.454	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	103585	19.297	ug/l	100
36) 1,1-Dichloropropene	7.79	75	88693	19.002	ug/l	99
37) Ethyl Acetate	6.94	43	93014	20.619	ug/l	99
38) Carbon Tetrachloride	7.77	117	92025	18.928	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	108685	18.804	ug/l	97
40) Benzene	8.04	78	283773	20.173	ug/l	99
41) Methacrylonitrile	7.17	41	45197	19.831	ug/l	97
42) 1,2-Dichloroethane	8.12	62	92330	20.087	ug/l	100
43) Isopropyl Acetate	8.17	43	145615	19.212	ug/l #	92
44) Trichloroethene	8.83	130	81230	20.713	ug/l	98
45) 1,2-Dichloropropane	9.12	63	72752	19.850	ug/l	98
46) Dibromomethane	9.21	93	48426	20.147	ug/l	97
47) Bromodichloromethane	9.40	83	92749	18.818	ug/l	100
48) Methyl methacrylate	9.20	41	68966	19.743	ug/l	97
49) 1,4-Dioxane	9.20	88	28961	398.956	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	451908	100.952	ug/l	99
52) Toluene	10.16	92	184421	20.845	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	96400	18.324	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	109062	18.713	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	72249	20.385	ug/l	99
56) Ethyl methacrylate	10.43	69	107494	19.624	ug/l	99
57) 1,3-Dichloropropane	10.71	76	115657	20.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	190468	90.989	ug/l	99
59) 2-Hexanone	10.75	43	307087	96.701	ug/l	100
60) Dibromochloromethane	10.90	129	76869	18.617	ug/l	99
61) 1,2-Dibromoethane	11.01	107	75038	20.411	ug/l	99
64) Tetrachloroethene	10.63	164	83794	21.263	ug/l	99
65) Chlorobenzene	11.43	112	192623	20.594	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	72946	19.554	ug/l	99
67) Ethyl Benzene	11.51	91	365988	21.819	ug/l	99
68) m/p-Xylenes	11.62	106	265724	41.904	ug/l	99
69) o-Xylene	11.95	106	131812	20.951	ug/l	97
70) Styrene	11.96	104	205276	20.148	ug/l	100
71) Bromoform	12.13	173	57365	18.028	ug/l #	100
73) Isopropylbenzene	12.25	105	338525	22.551	ug/l	99
74) N-amyl acetate	12.07	43	114572	19.983	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	99100	21.874	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	81514m	22.134	ug/l	
77) Bromobenzene	12.53	156	123146	29.122	ug/l	64
78) n-propylbenzene	12.59	91	345004	20.031	ug/l	99
79) 2-Chlorotoluene	12.67	91	213803	21.598	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	273434	21.591	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	23217	15.764	ug/l	88
82) 4-Chlorotoluene	12.77	91	199967	19.752	ug/l	99
83) tert-Butylbenzene	12.99	119	240654	21.755	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	278998	22.254	ug/l	99
85) sec-Butylbenzene	13.17	105	303823	21.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	274803	19.969	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	134739	20.123	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	128131	20.128	ug/l	99
89) n-Butylbenzene	13.61	91	196090	18.597	ug/l	99
90) Hexachloroethane	13.87	117	48254	18.422	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	134612	20.151	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16354	18.626	ug/l	97

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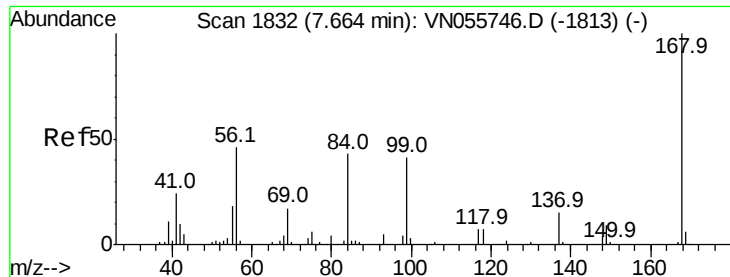
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66744	19.739	ug/l	99
94) Hexachlorobutadiene	15.01	225	51815	20.980	ug/l	100
95) Naphthalene	15.13	128	346141	37.760	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74194	21.011	ug/l	99

(#) = 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: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion:168 Resp: 365330

Ion Ratio Lower Upper

168 100

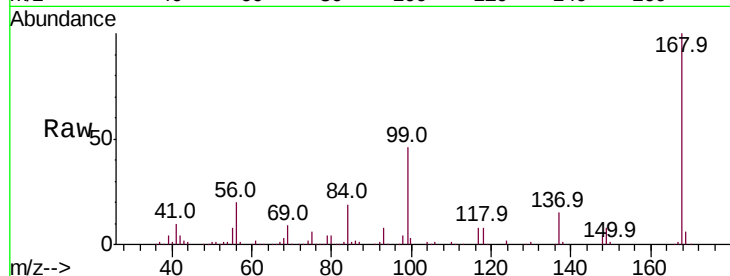
99 45.2 37.2 55.8

Manual Integrations

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

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

7.66

150000

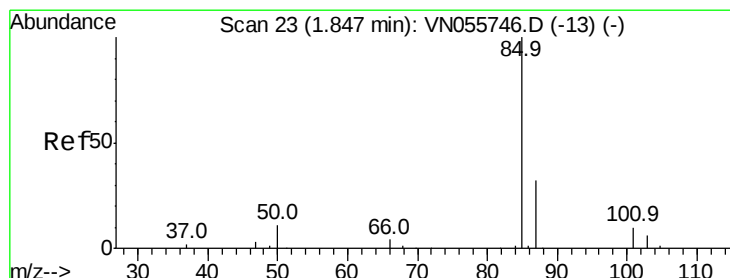
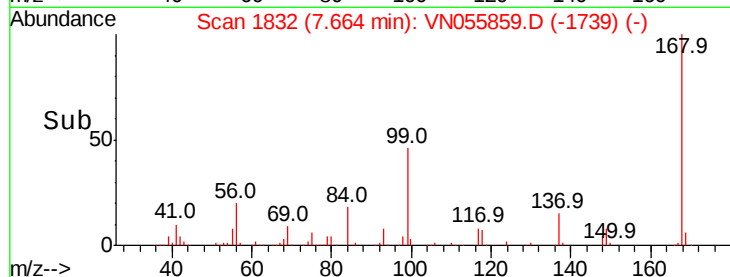
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.331 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055859.D

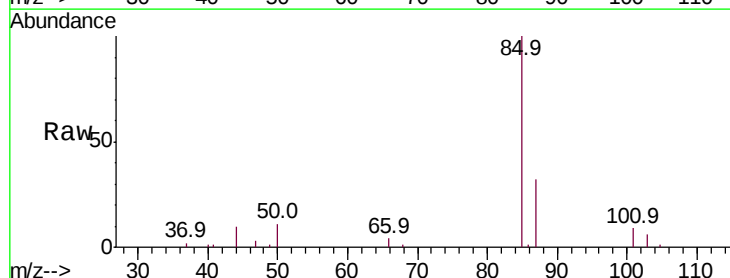
Acq: 28 May 2019 17:52

Tgt Ion: 85 Resp: 45070

Ion Ratio Lower Upper

85 100

87 31.8 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

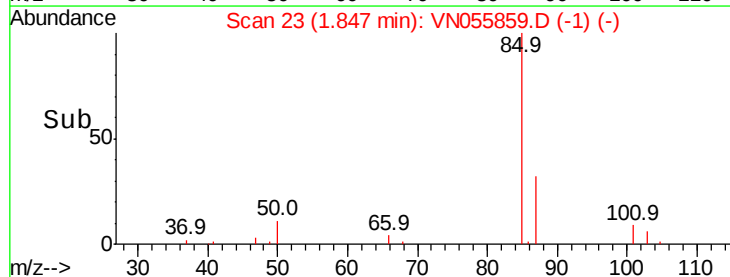
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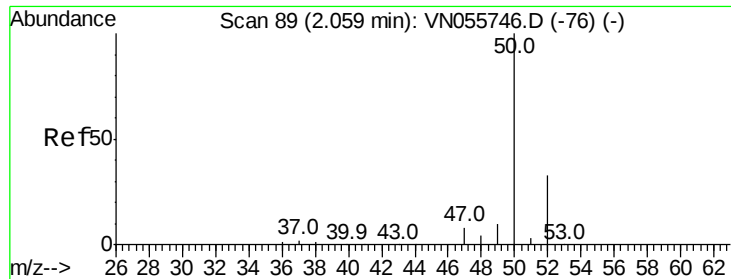
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0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.300 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 50 Resp: 63043

Ion Ratio Lower Upper

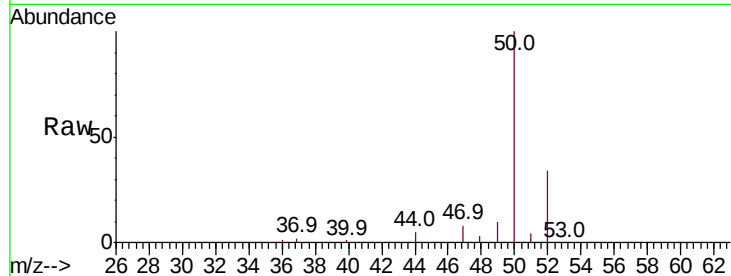
50 100

52 34.0 26.6 40.0

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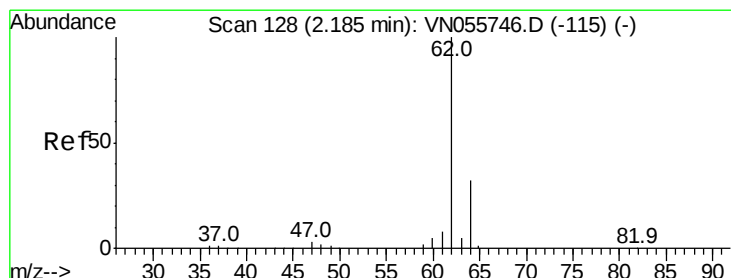
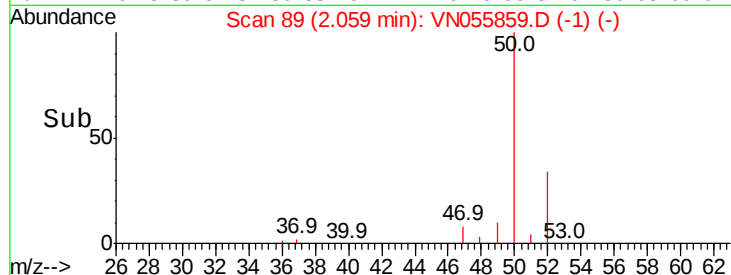
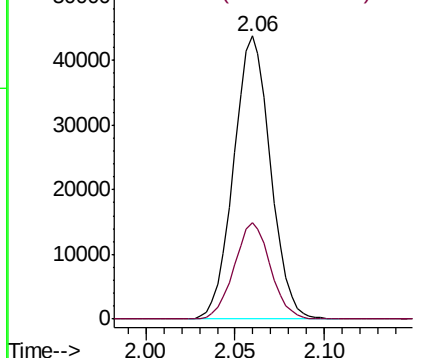
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.840 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055859.D

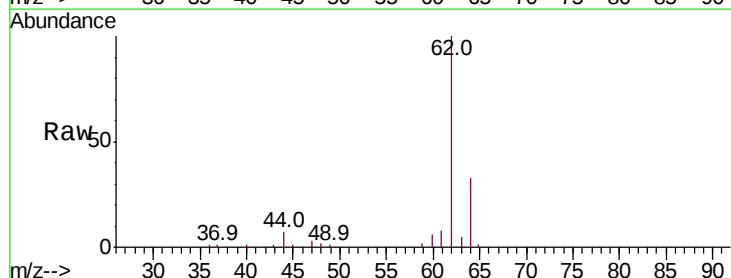
Acq: 28 May 2019 17:52

Tgt Ion: 62 Resp: 69223

Ion Ratio Lower Upper

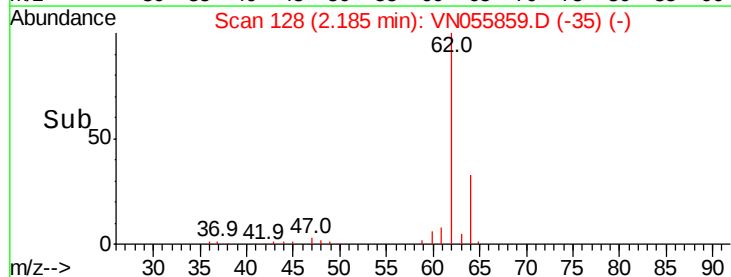
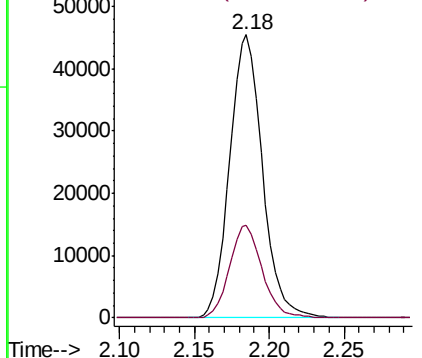
62 100

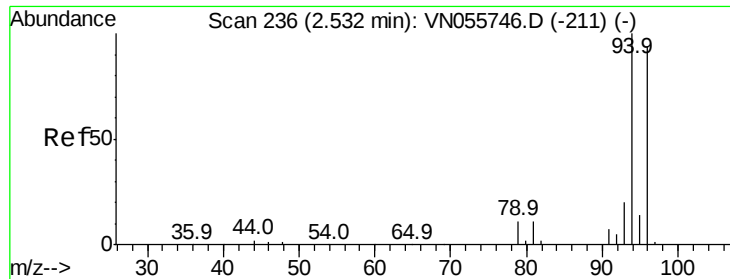
64 32.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 21.647 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 94 Resp: 49759

Ion Ratio Lower Upper

94 100

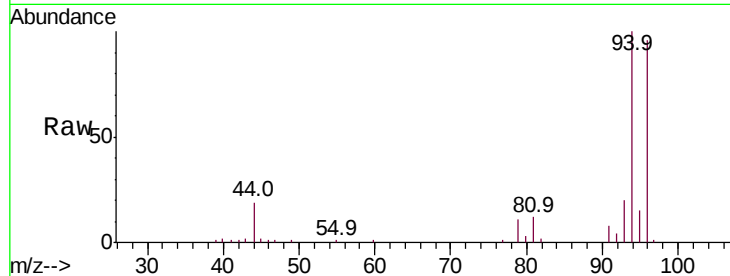
96 96.4 75.5 113.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

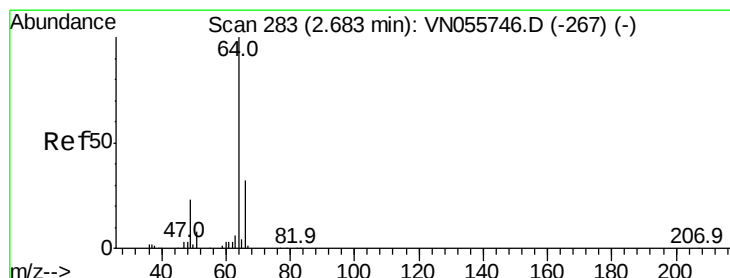
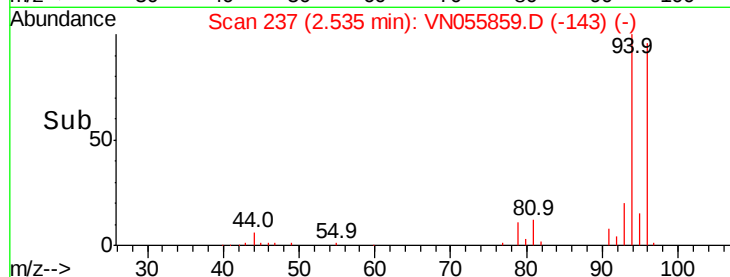
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5000

0

2.50 2.54 2.60

Time-->



#6

Chloroethane

Concen: 19.891 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055859.D

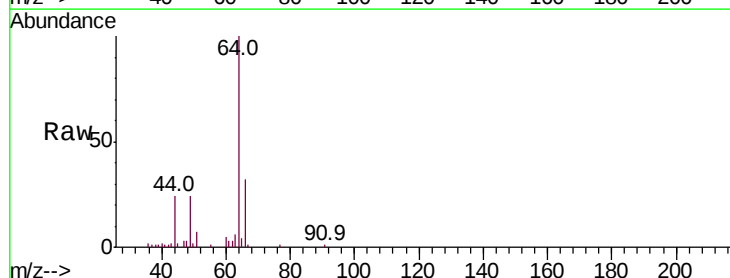
Acq: 28 May 2019 17:52

Tgt Ion: 64 Resp: 44003

Ion Ratio Lower Upper

64 100

66 31.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

20000

15000

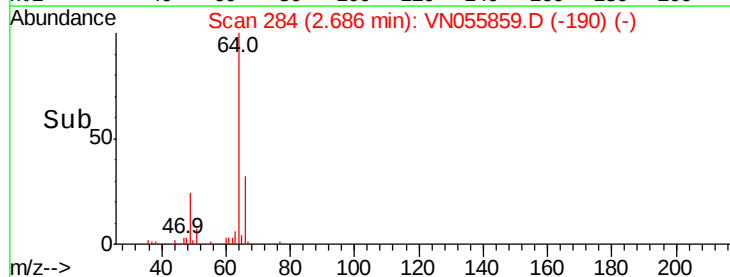
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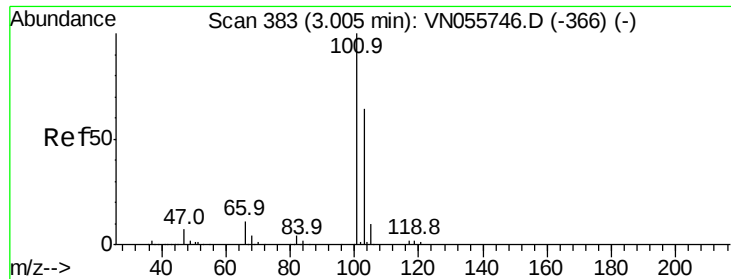
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2.60 2.65 2.69 2.75 2.80

Time-->





#7

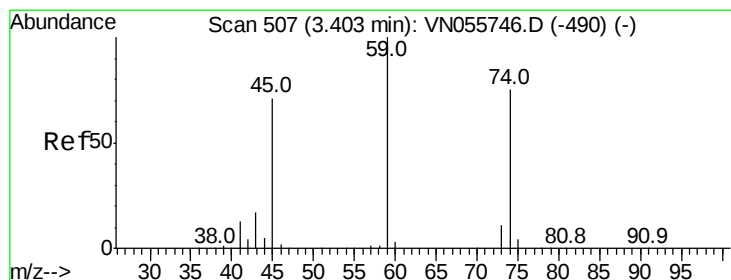
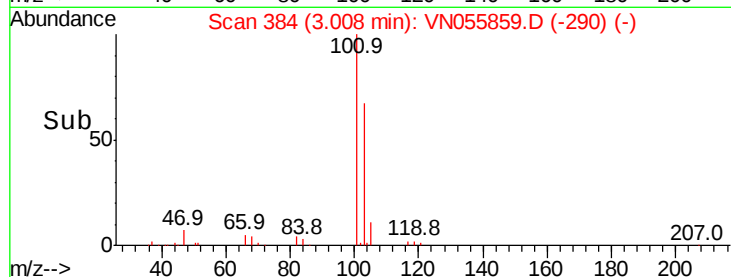
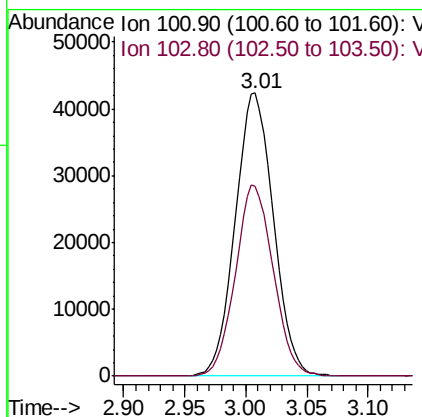
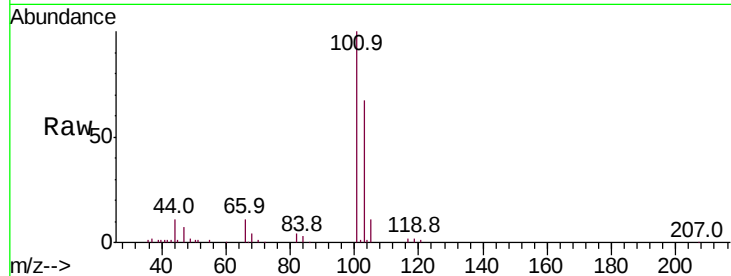
Trichlorofluoromethane
 Concen: 19.081 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
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 VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.1	51.2	76.8

Manual Integrations
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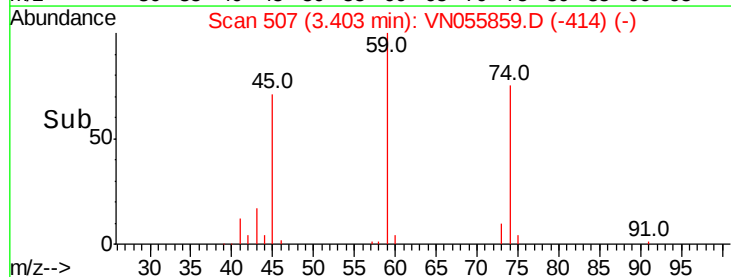
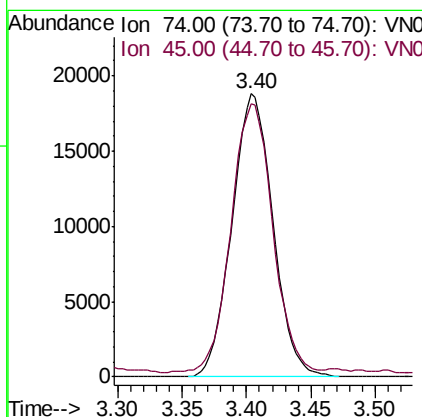
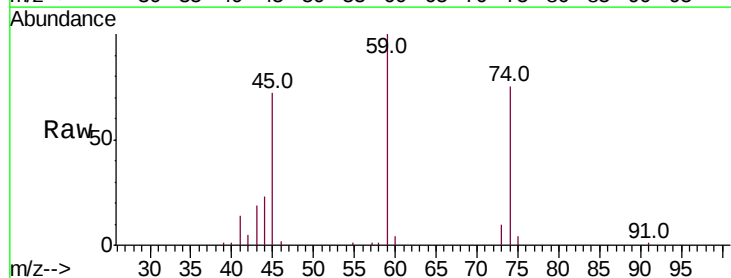
MMDadoda
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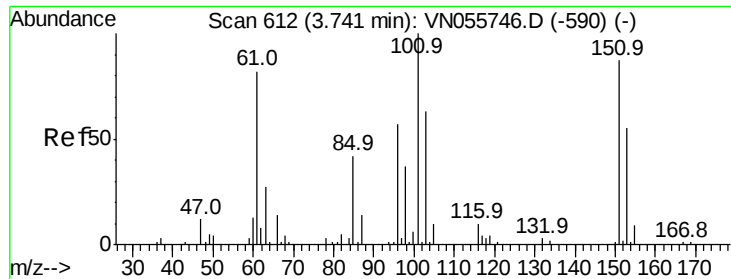


#8

Diethyl Ether
 Concen: 19.276 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.444 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

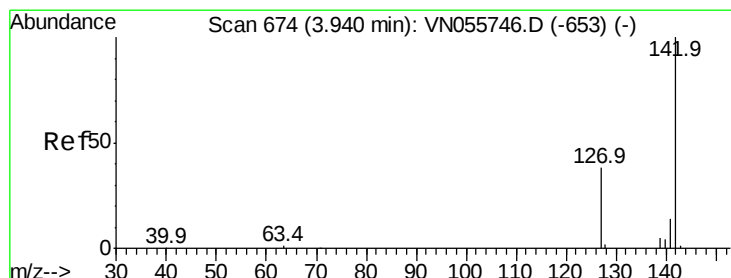
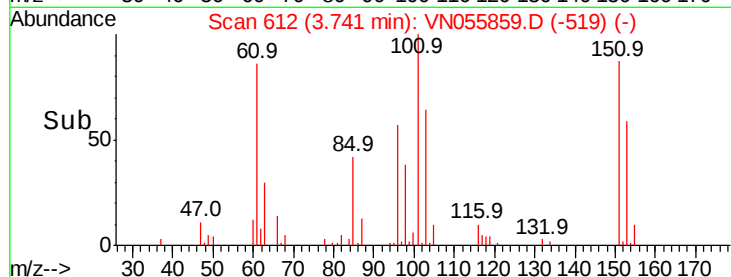
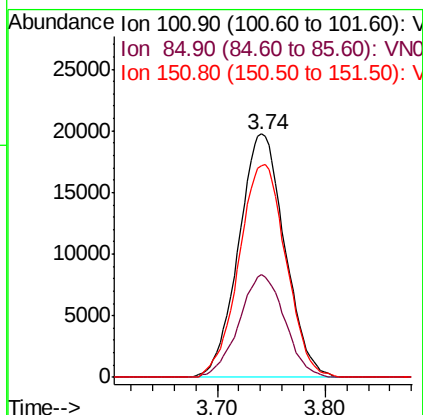
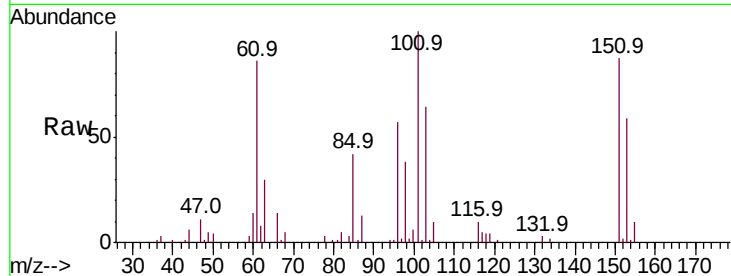
ClientSampleID :

VN0528MBSD01

Tot Ion:	101	Resp:	58467
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.4	50.2
151	89.4	69.4	104.2

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#10

Methyl Iodide

Concen: 21.261 ug/l

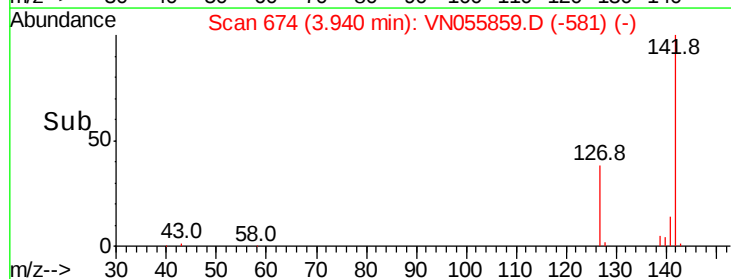
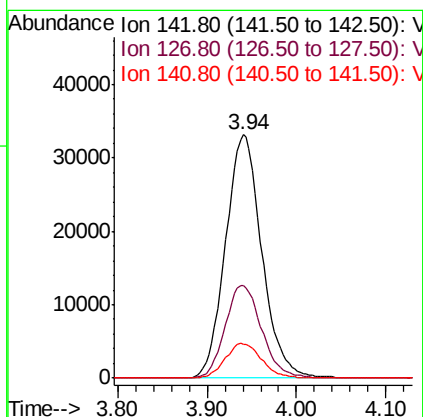
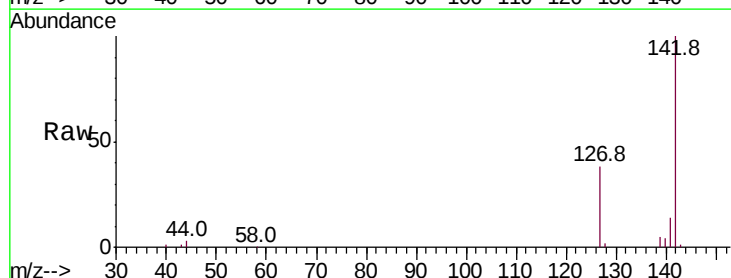
RT: 3.94 min Scan# 674

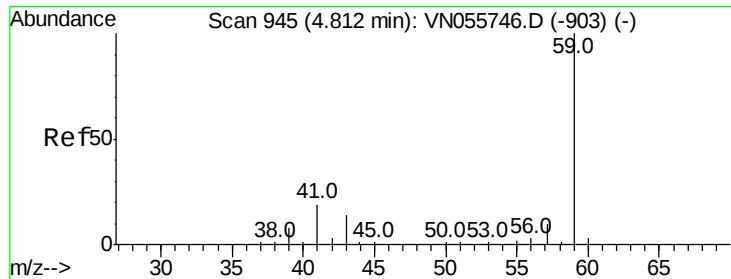
Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion:	142	Resp:	93469
Ion Ratio	Lower	Upper	
142	100		
127	38.2	31.0	46.4
141	14.2	11.4	17.0





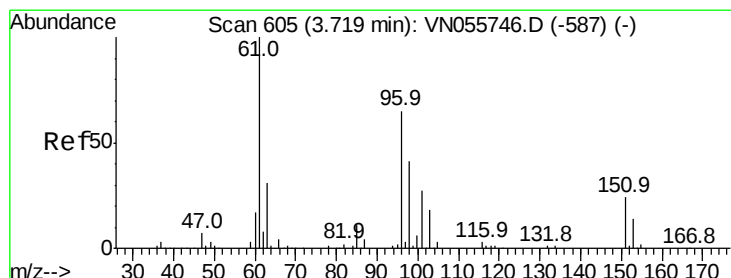
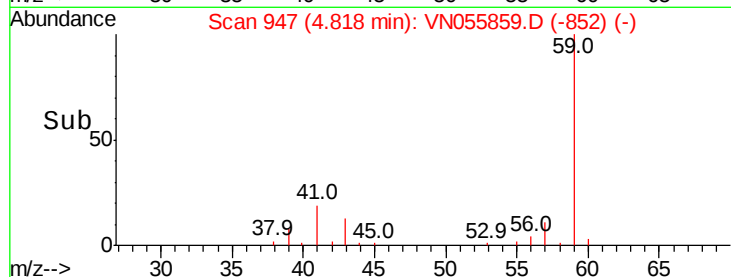
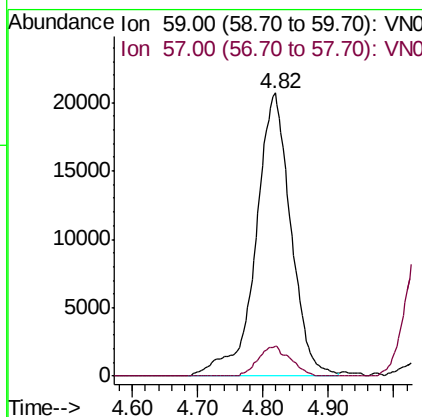
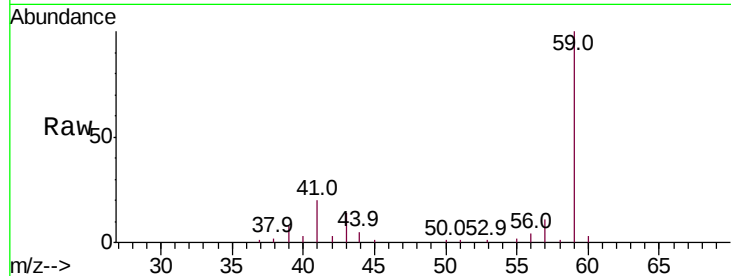
#11
Tert butyl alcohol
Concen: 107.012 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion: 59 Resp: 77141
Ion Ratio Lower Upper
59 100
57 9.7 7.8 11.6

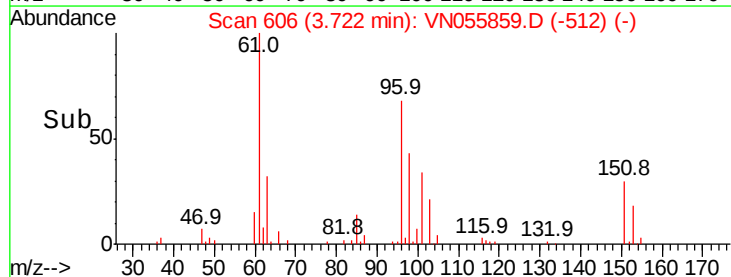
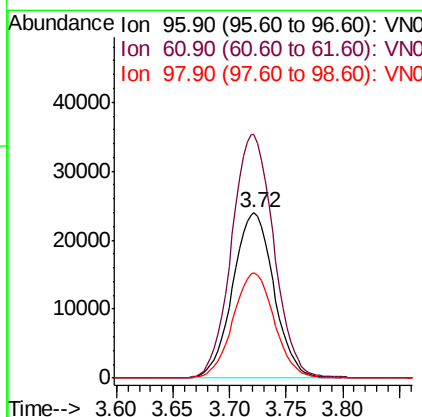
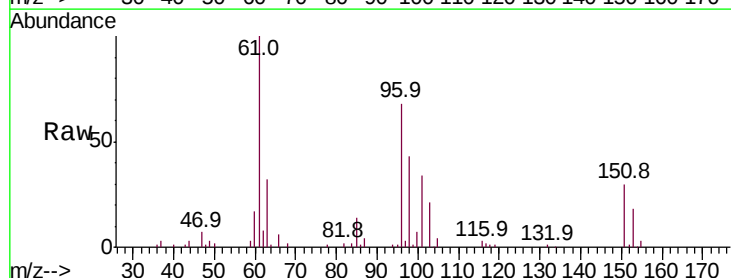
Manual Integrations
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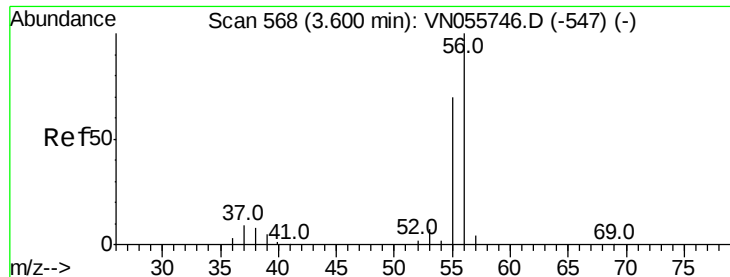
MMDadoda
5/29/2019 11:10:03 AM



#12
1,1-Dichloroethene
Concen: 19.529 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion: 96 Resp: 60676
Ion Ratio Lower Upper
96 100
61 147.5 123.2 184.8
98 63.8 50.4 75.6





#13

Acrolein

Concen: 86.437 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 56 Resp: 44616

Ion Ratio Lower Upper

56 100

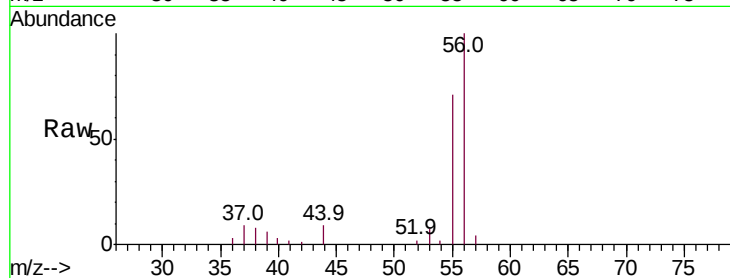
55 73.2 55.4 83.2

Manual Integrations

APPROVED

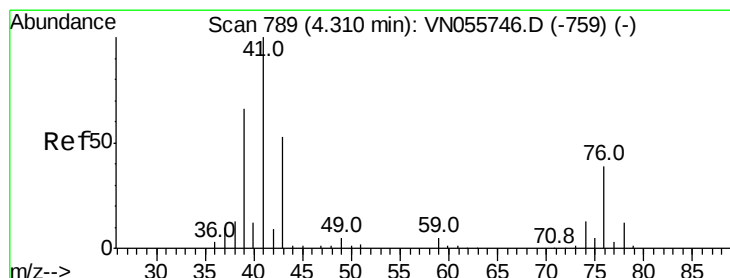
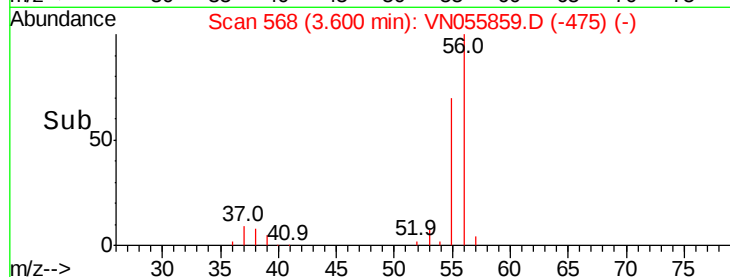
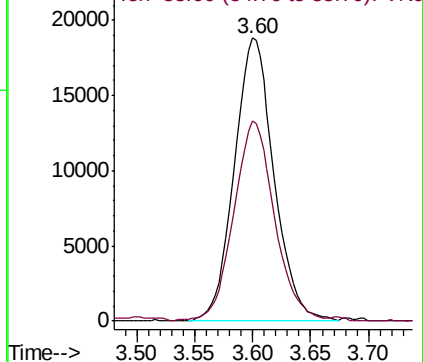
MMDadoda

5/29/2019 11:10:03 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.906 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

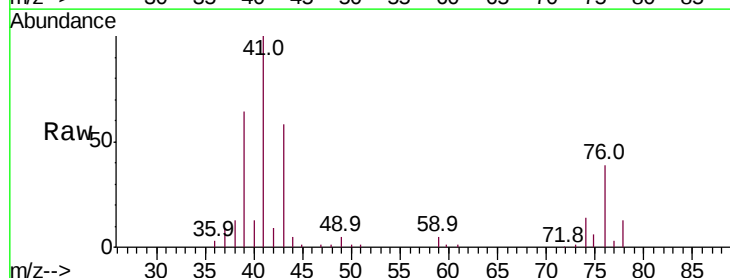
Tgt Ion: 41 Resp: 100698

Ion Ratio Lower Upper

41 100

39 61.9 50.0 75.0

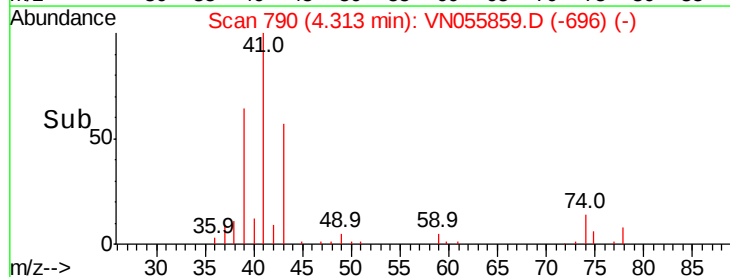
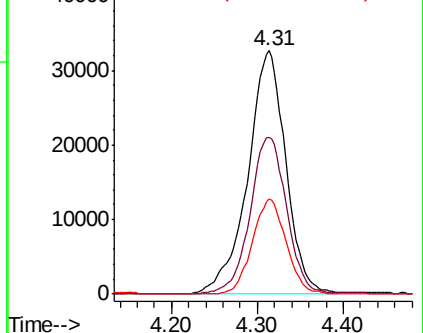
76 34.7 28.2 42.2



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





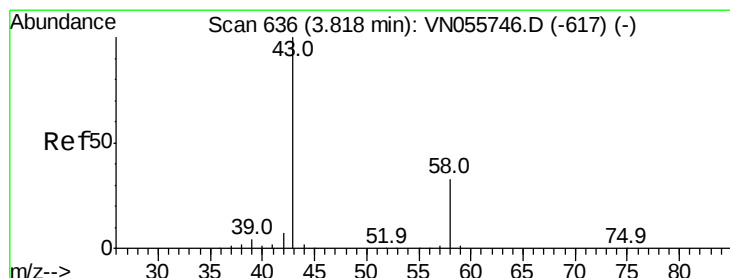
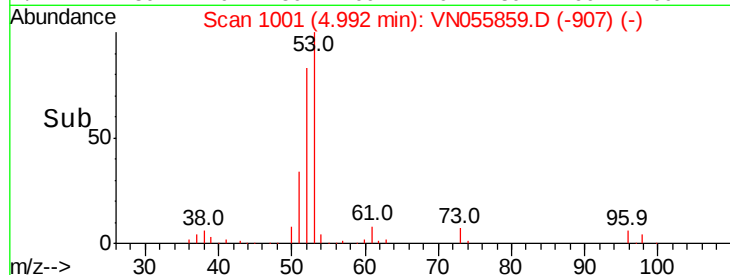
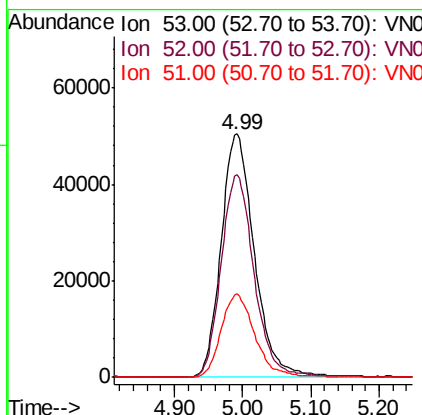
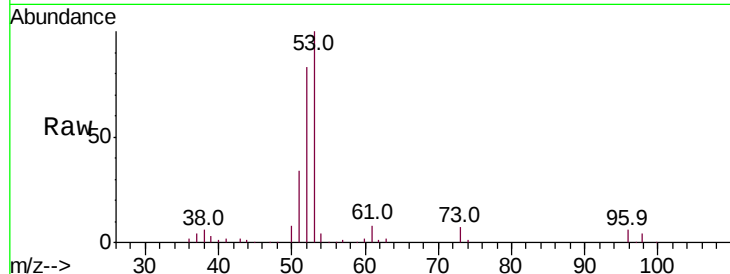
#15
 Acrylonitrile
 Concen: 103.146 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.8
51	34.7	28.2	42.4

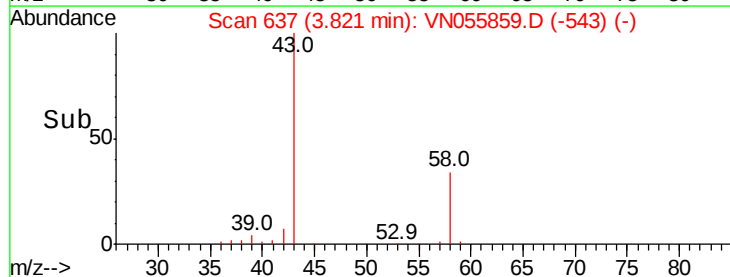
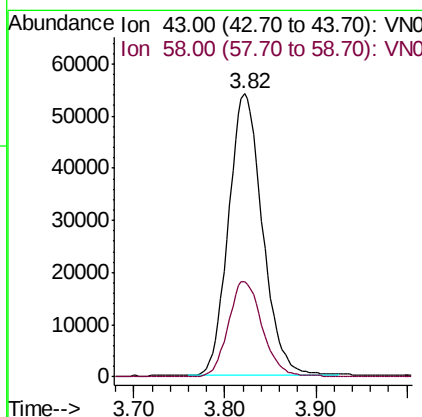
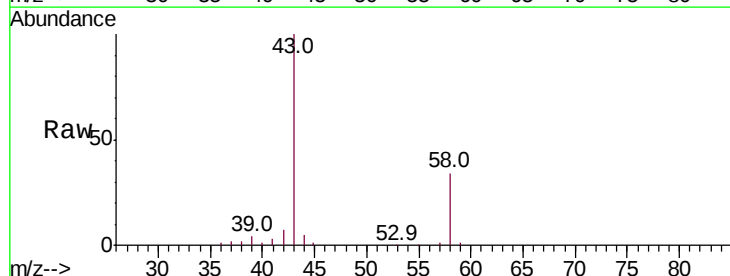
Manual Integrations
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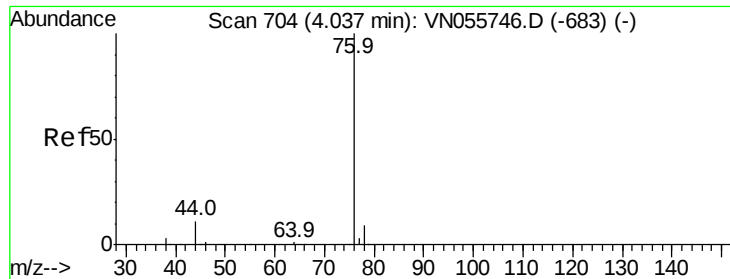
MMDadoda
 5/29/2019 11:10:03 AM



#16
 Acetone
 Concen: 84.383 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	26.6	39.8





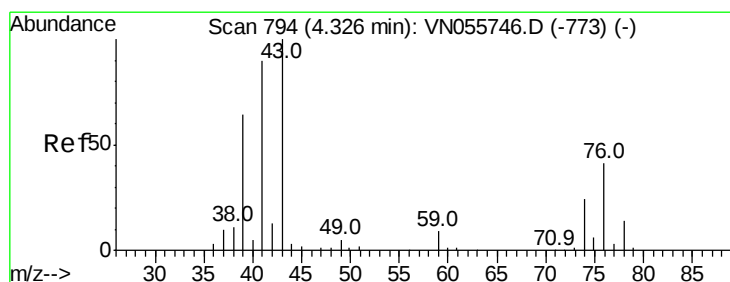
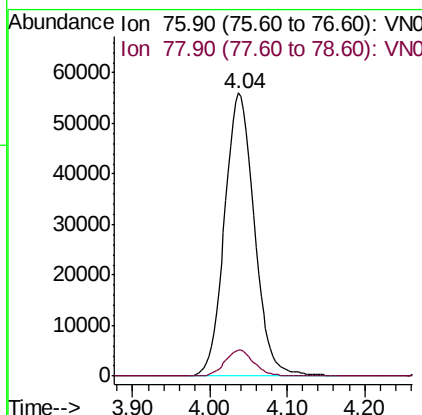
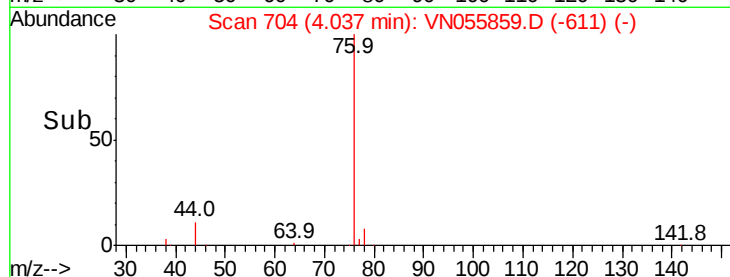
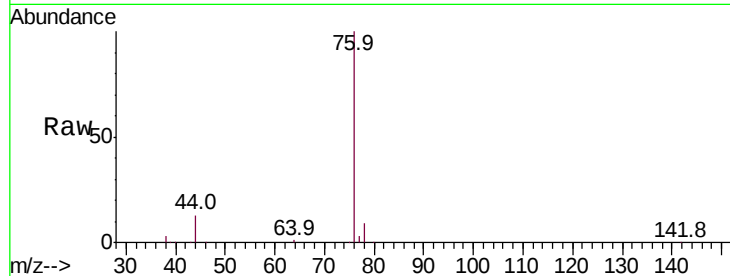
#17
Carbon Disulfide
Concen: 16.930 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

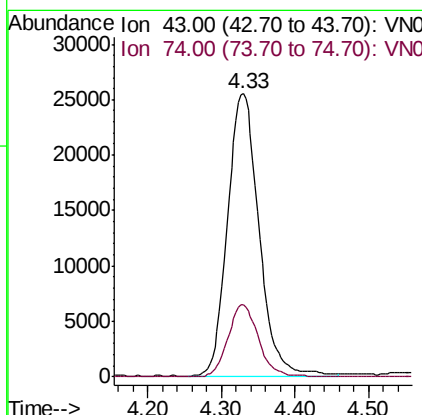
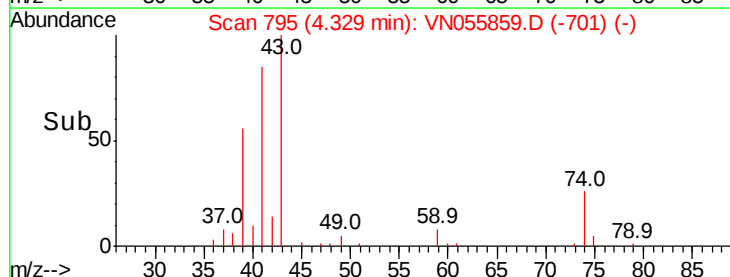
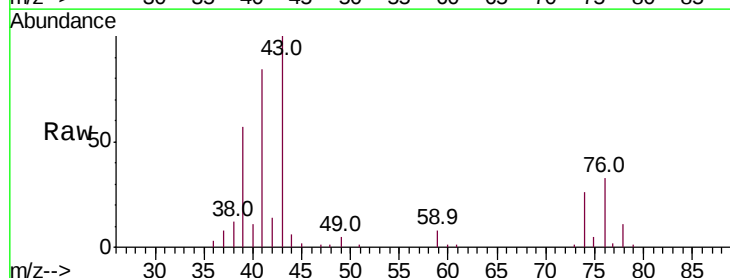
Manual Integrations
APPROVED

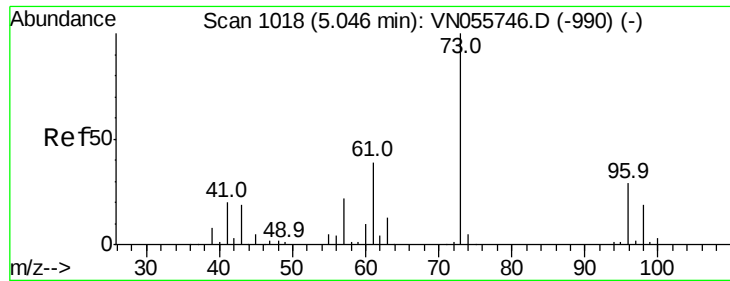
MMDadoda
5/29/2019 11:10:03 AM



#18
Methyl Acetate
Concen: 22.027 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.3	28.9





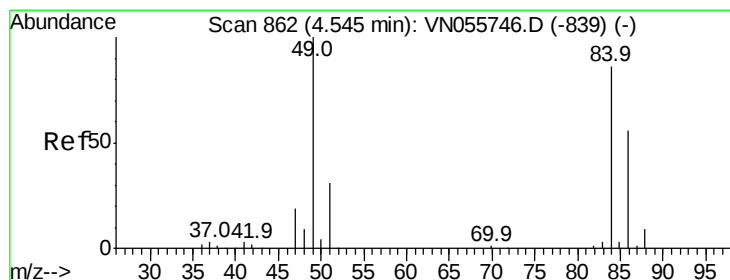
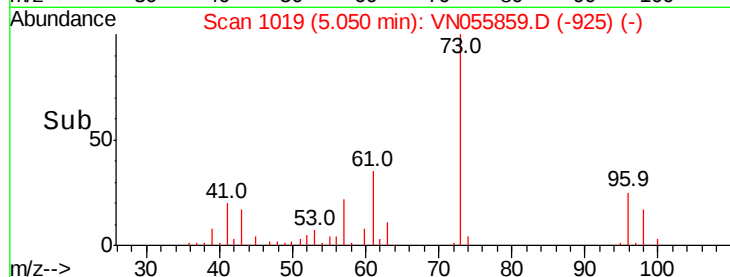
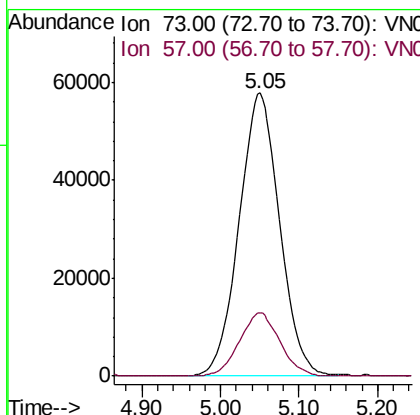
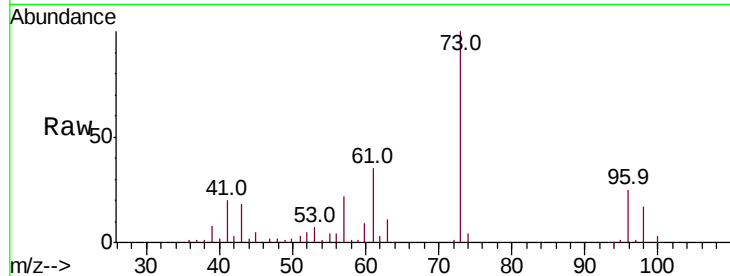
#19
Methvl tert-butvl Ether
Concen: 20.206 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion: 73 Resp: 209379
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8

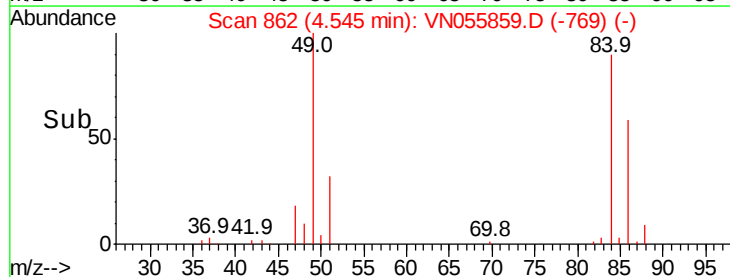
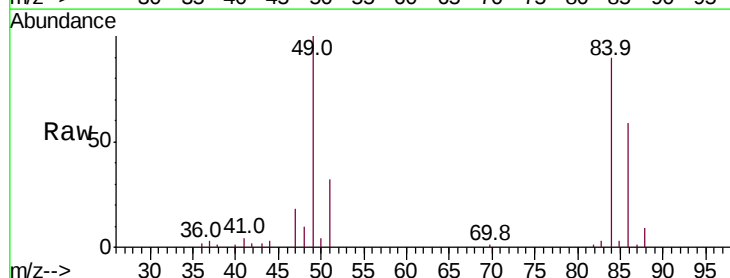
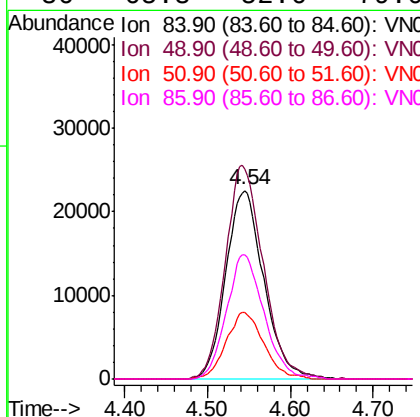
Manual Integrations
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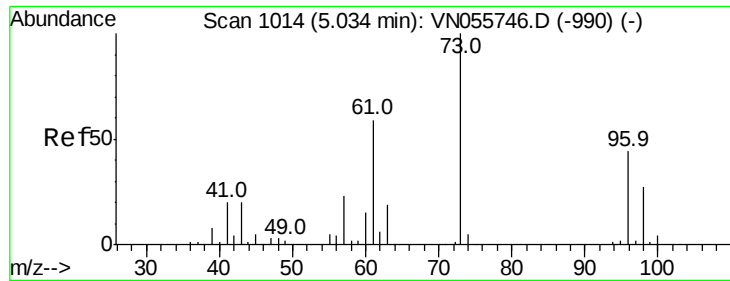
MMDadoda
5/29/2019 11:10:03 AM



#20
Methylene Chloride
Concen: 20.049 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion: 84 Resp: 72011
Ion Ratio Lower Upper
84 100
49 111.1 93.5 140.3
51 35.1 28.6 43.0
86 65.8 52.6 79.0





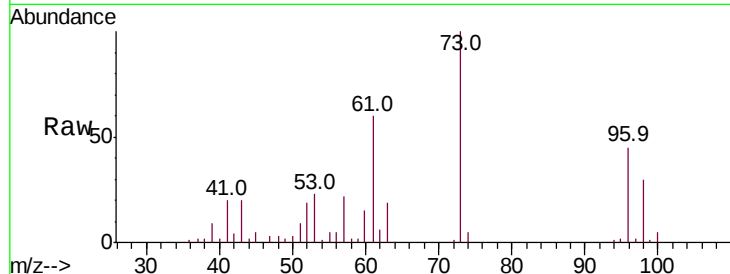
#21
trans-1,2-Dichloroethene
Concen: 19.422 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.7	107.8	161.8
98	65.7	49.8	74.8

Manual Integrations
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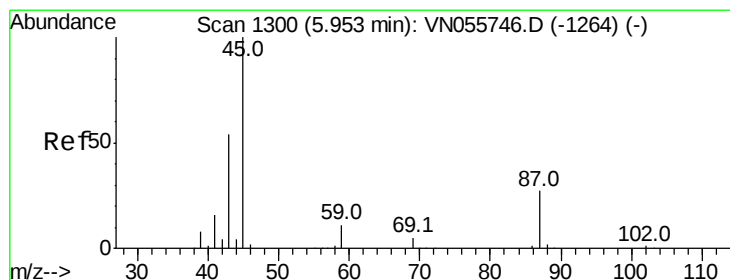
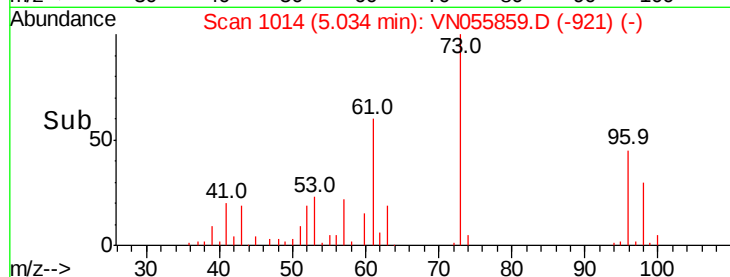
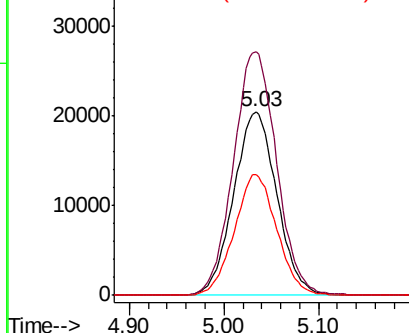


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.273 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	45.0	67.6
87	28.9	22.2	33.4
59	11.8	9.1	13.7

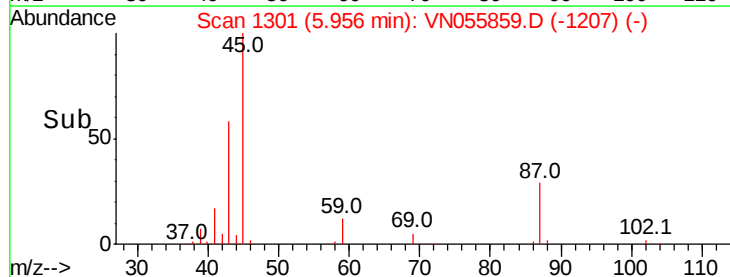
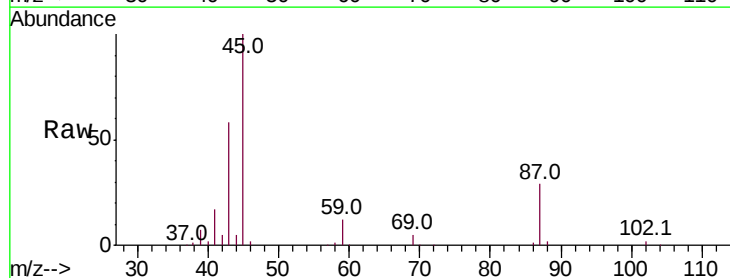
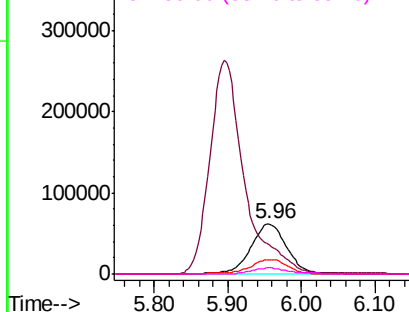
Abundance

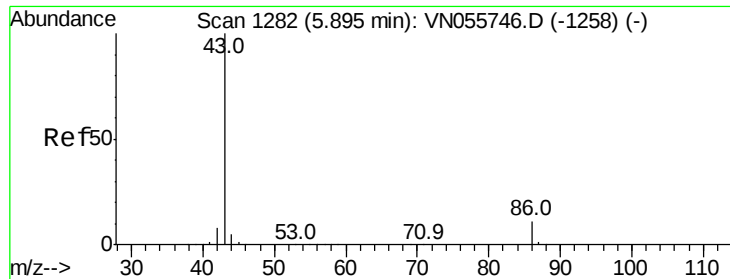
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





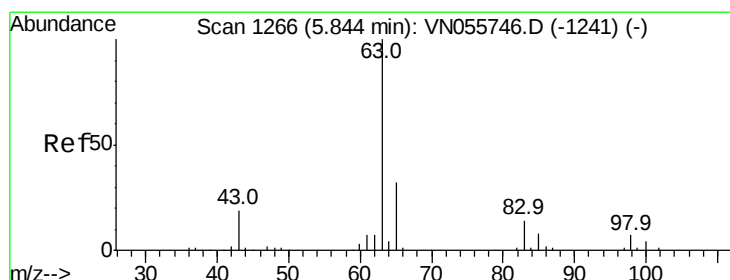
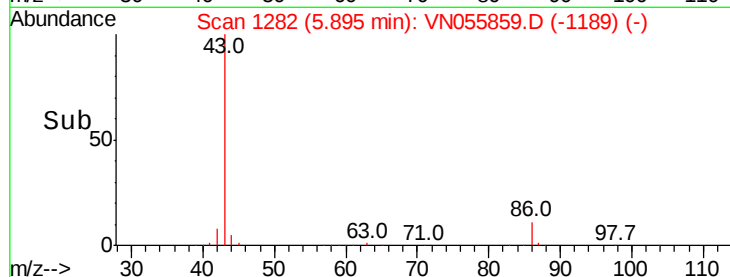
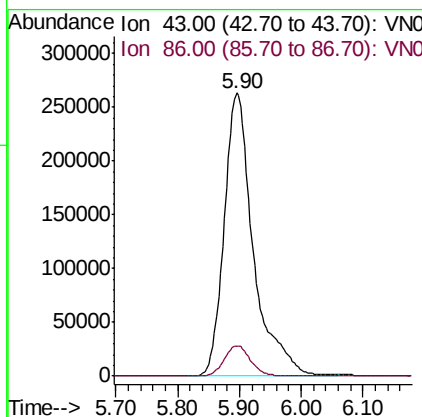
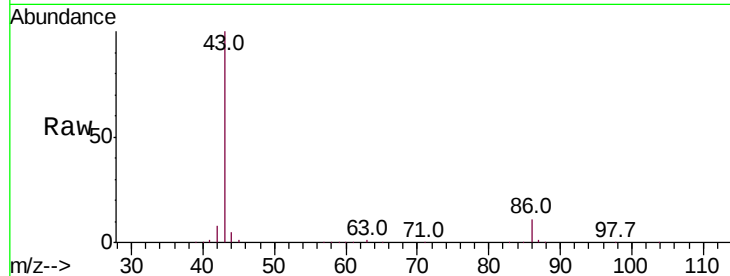
#23
 Vinyl Acetate
 Concen: 97.277 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	43	86	Ratio	Lower	Upper
43	100				
86	10.8		8.6	13.0	

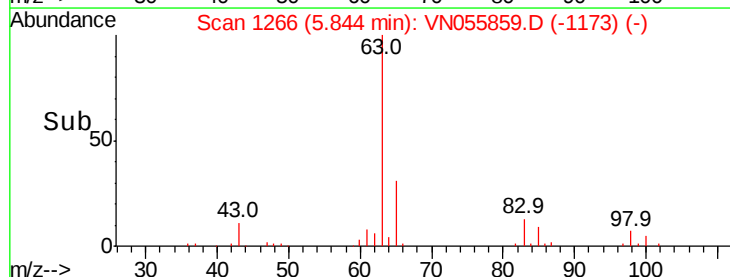
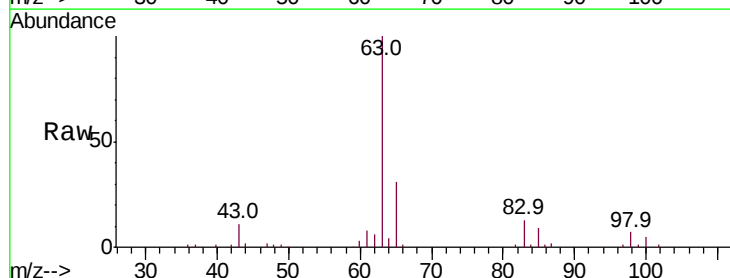
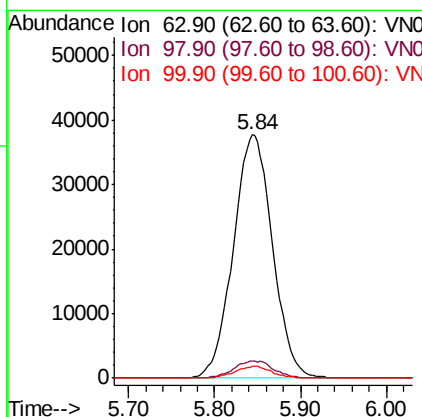
Manual Integrations
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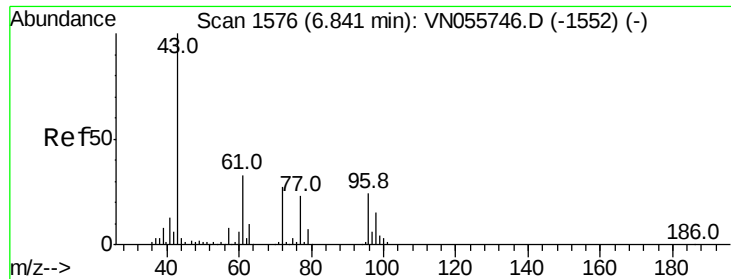
MMDadoda
 5/29/2019 11:10:03 AM



#24
 1,1-Dichloroethane
 Concen: 19.775 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	63	98	100	Ratio	Lower	Upper
63	100					
98	7.0			3.4	10.1	
100	4.7			2.2	6.6	





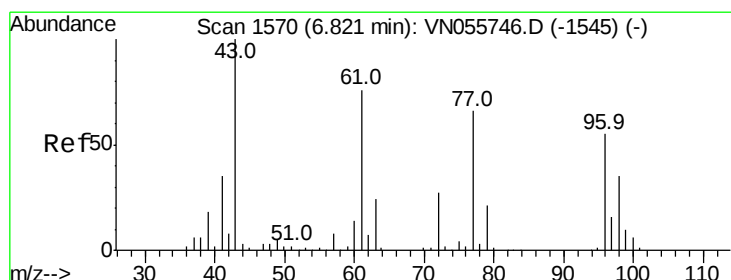
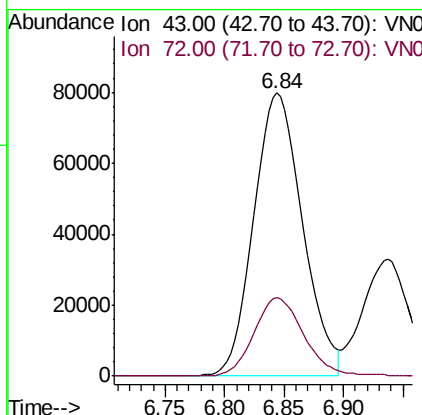
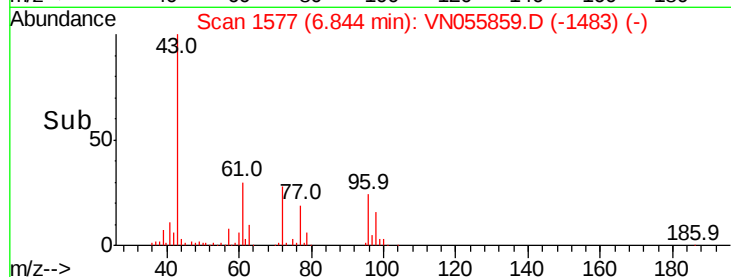
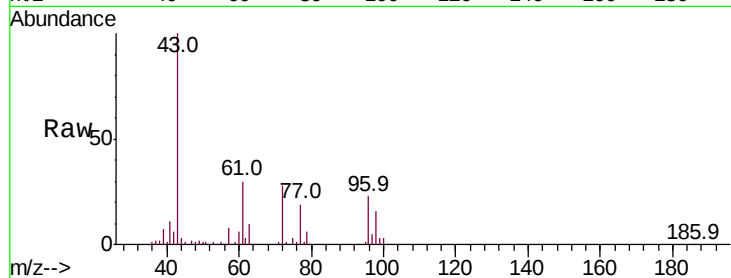
#25
2-Butanone
Concen: 98.116 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion: 43 Resp: 227254
Ion Ratio Lower Upper
43 100
72 27.9 21.9 32.9

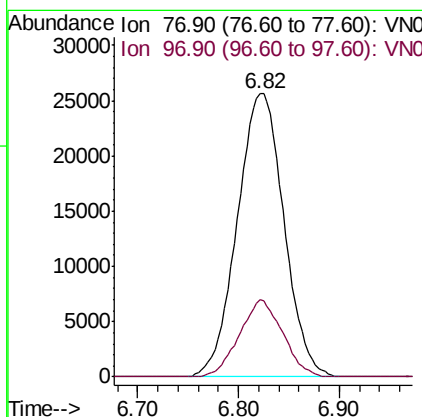
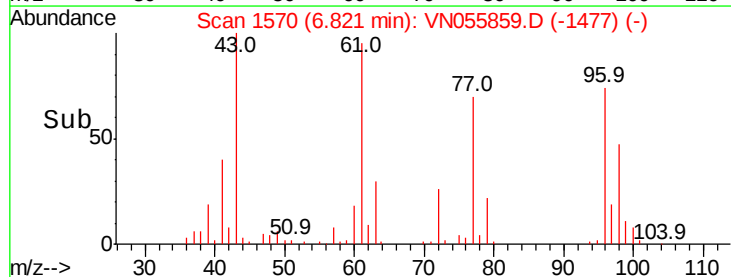
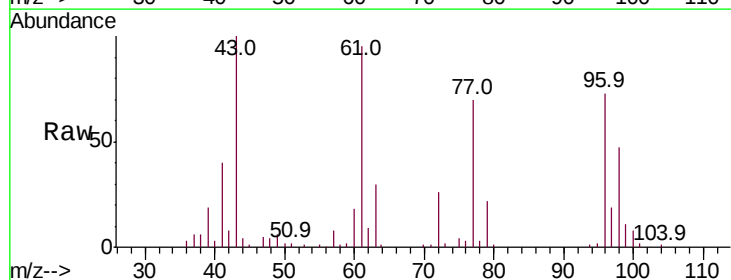
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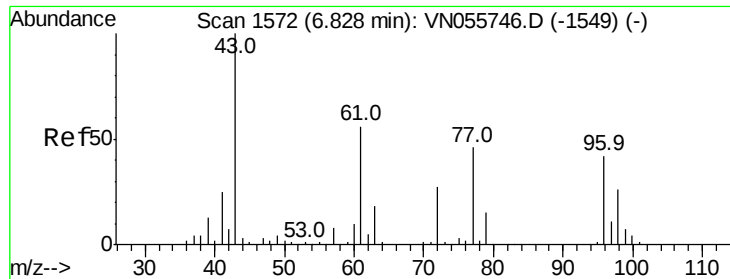
MMDadoda
5/29/2019 11:10:03 AM



#26
2,2-Dichloropropane
Concen: 15.757 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion: 77 Resp: 82252
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.585 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

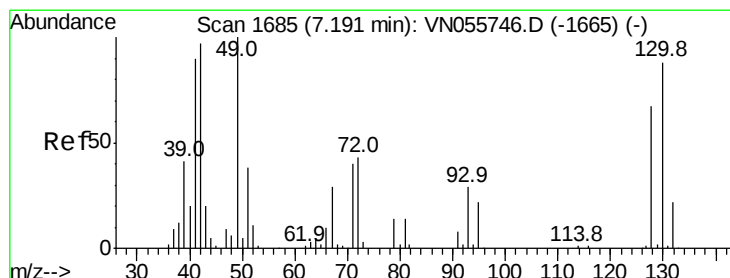
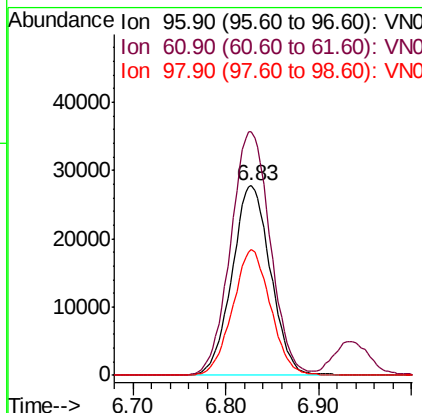
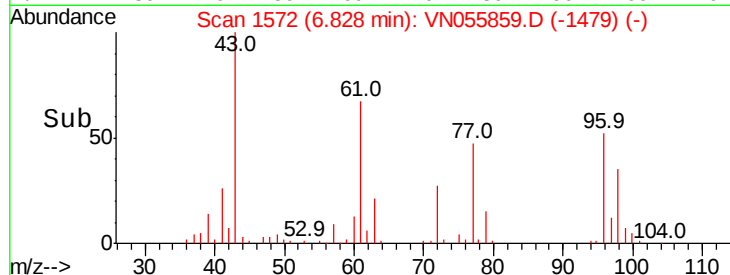
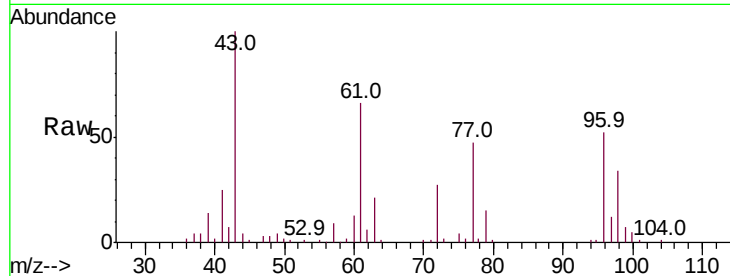
ClientSampleId :

VN0528MBSD01

Tot Ion:	96	Resp:	80165
Ion	Ratio	Lower	Upper
96	100		
61	132.1	0.0	275.8
98	65.2	0.0	128.4

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#28

Bromochloromethane

Concen: 20.606 ug/l

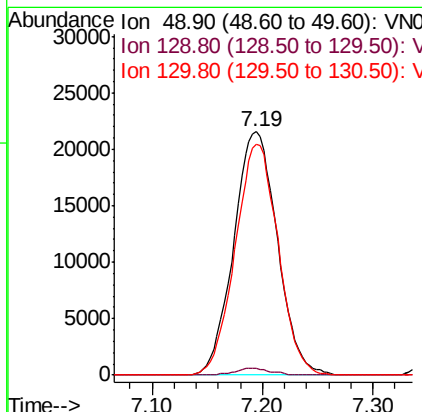
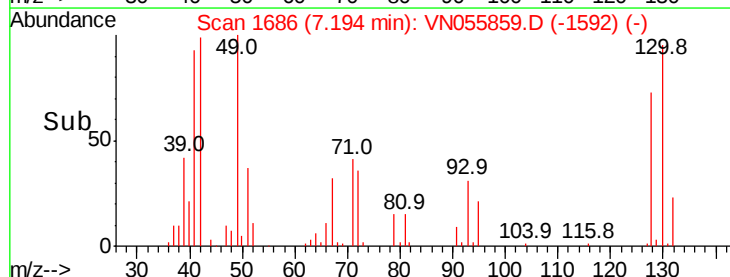
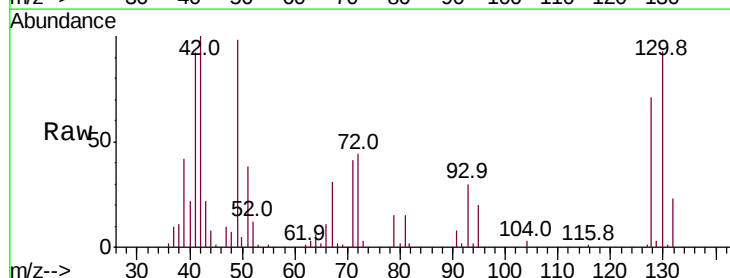
RT: 7.19 min Scan# 1686

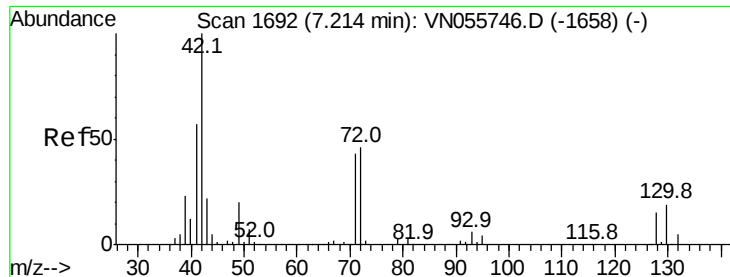
Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion:	49	Resp:	59175
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	93.1	71.2	106.8





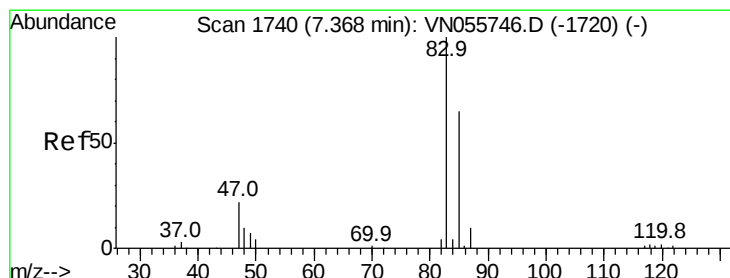
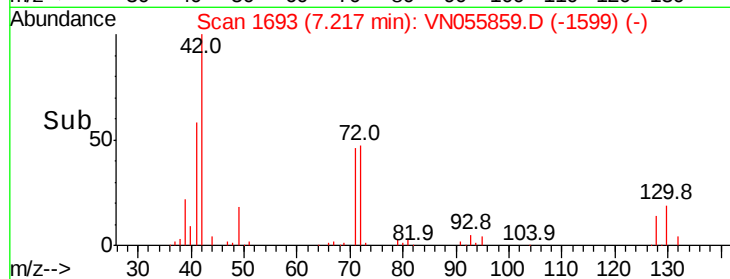
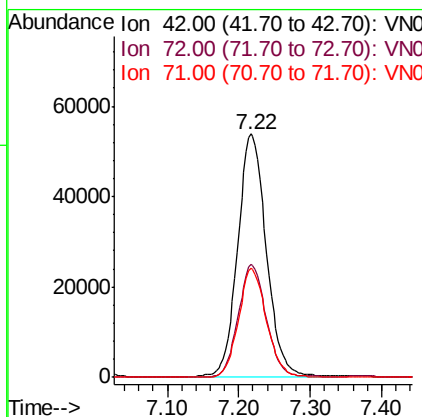
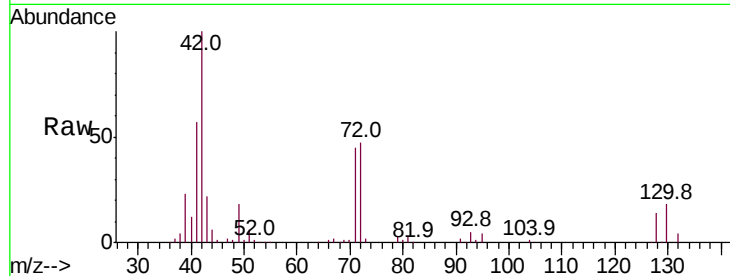
#29
Tetrahydrofuran
Concen: 103.690 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	43.1	34.0	51.0

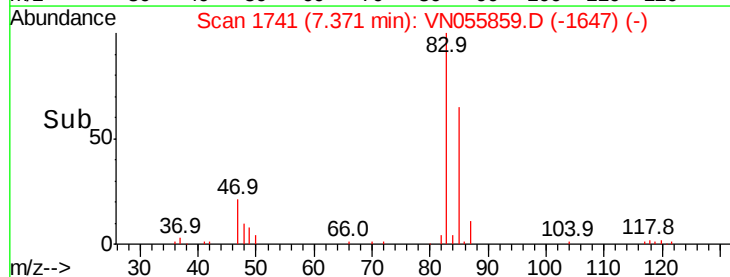
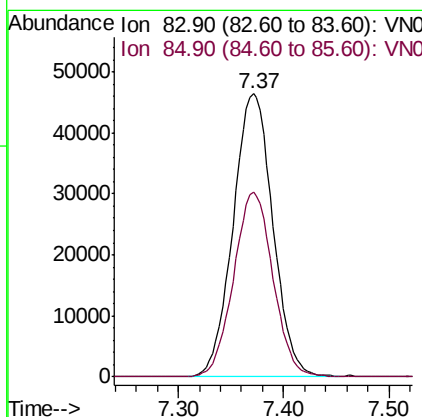
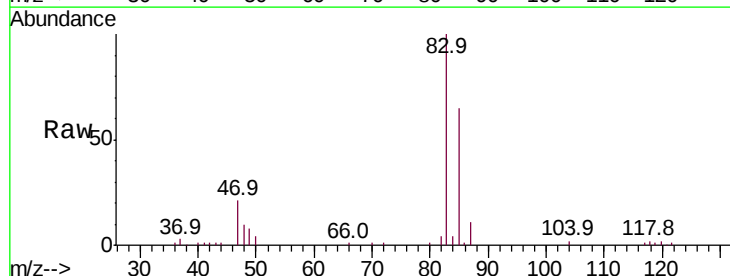
Manual Integrations
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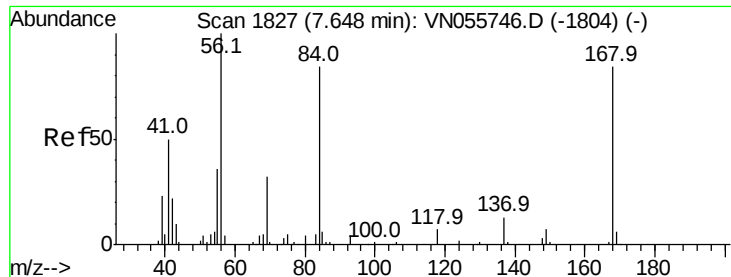
MMDadoda
5/29/2019 11:10:03 AM



#30
Chloroform
Concen: 20.214 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.8	77.8





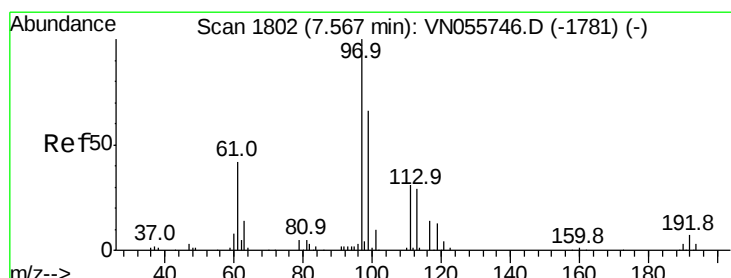
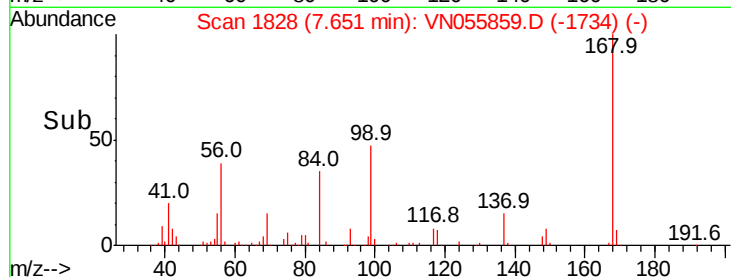
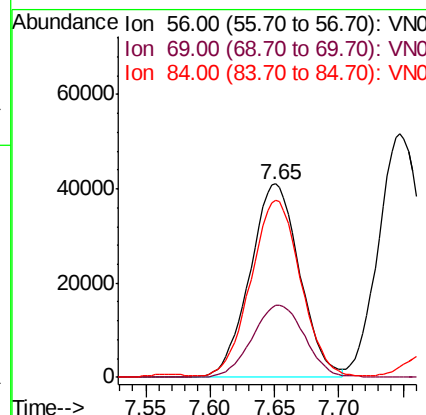
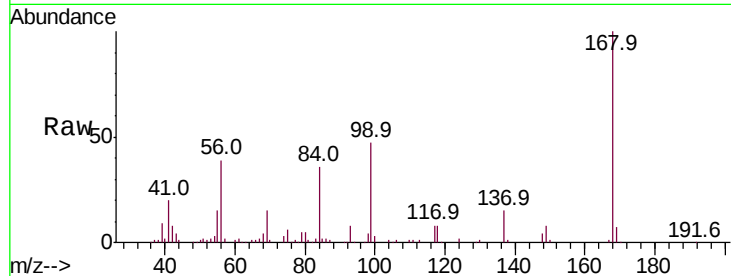
#31
Cyclohexane
Concen: 19.454 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.4	25.6	38.4
84	91.1	67.4	101.0

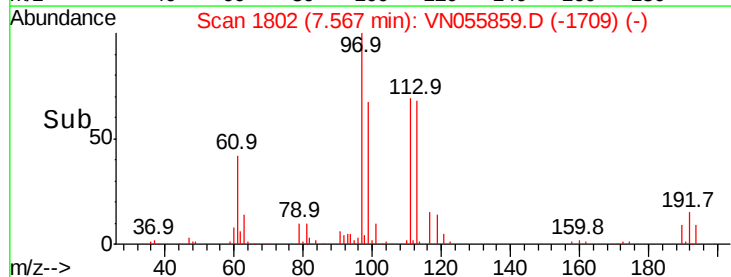
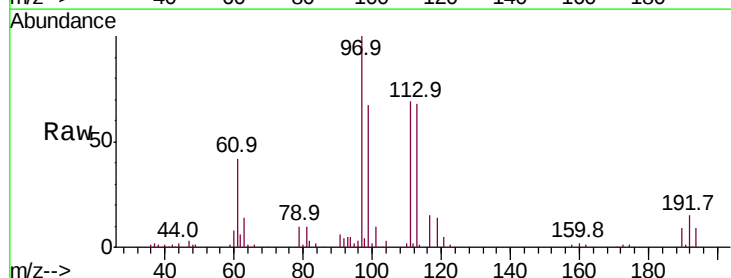
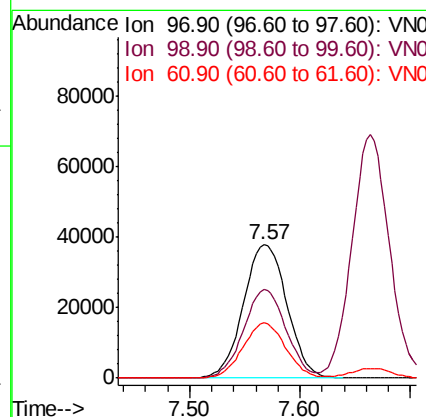
Manual Integrations
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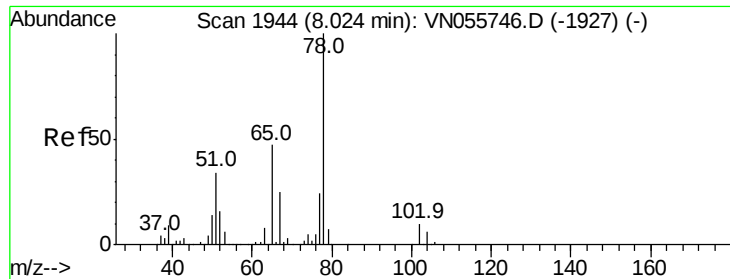
MMDadoda
5/29/2019 11:10:03 AM



#32
1,1,1-Trichloroethane
Concen: 19.297 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	52.0	78.0
61	40.6	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 49.351 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

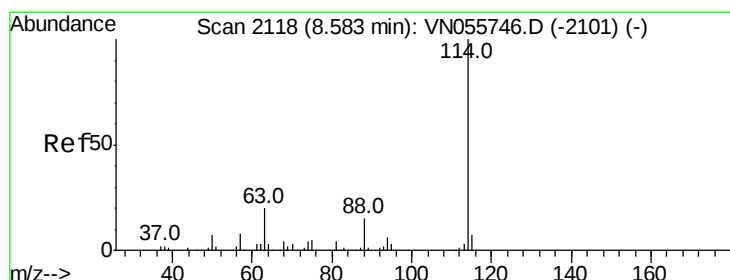
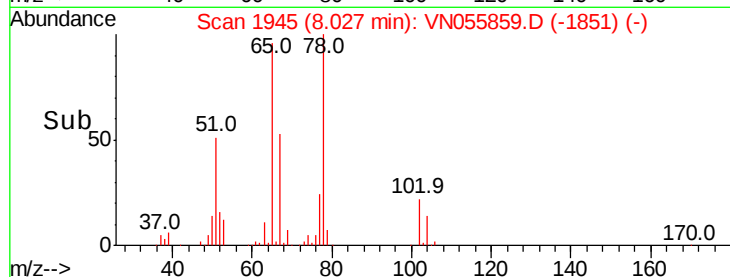
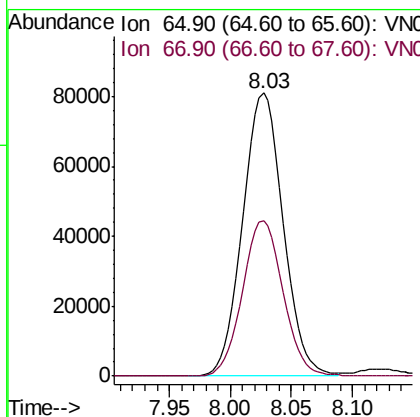
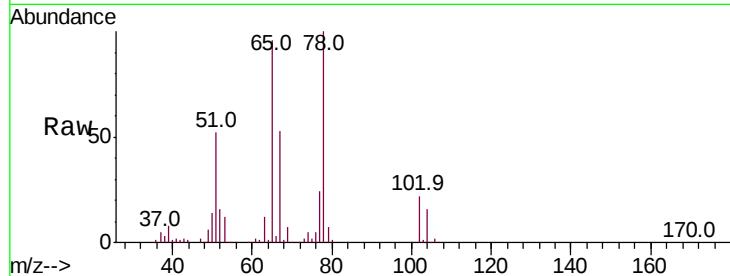
Instrument :
MSVOA_N

ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	109.2	

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5/29/2019 11:10:03 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

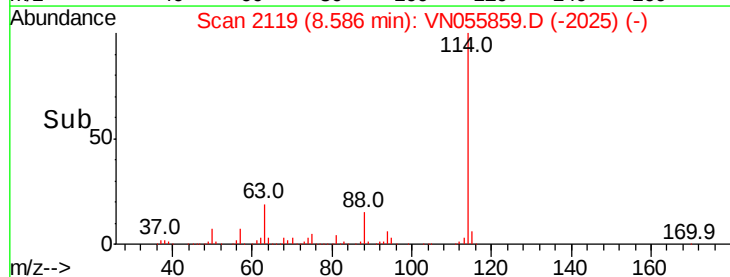
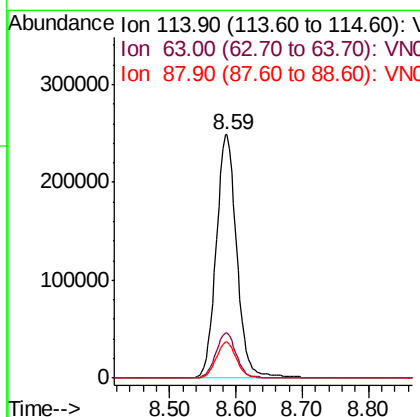
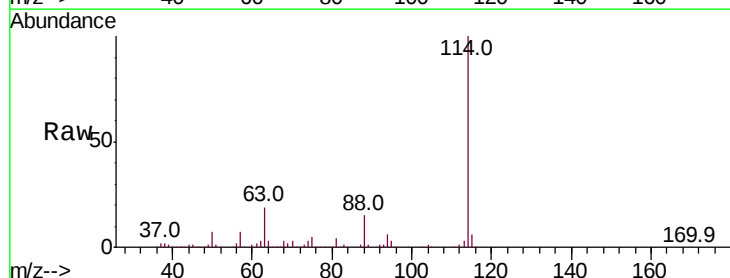
RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	39.2	
88	15.0	0.0	31.0	





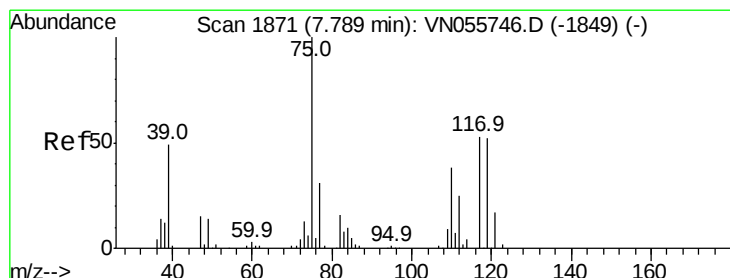
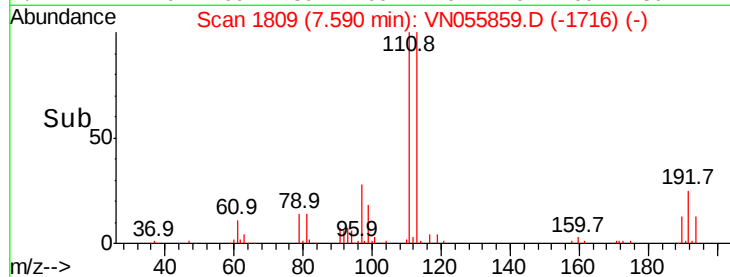
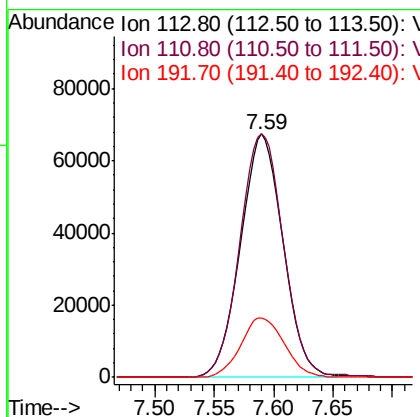
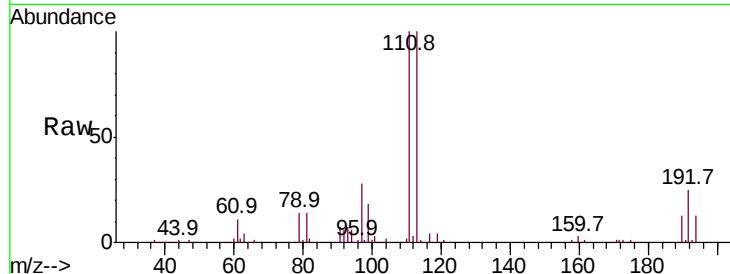
#35
 Dibromofluoromethane
 Concen: 49.281 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	166877		
111	102.7	81.9	122.9	
192	25.1	19.5	29.3	

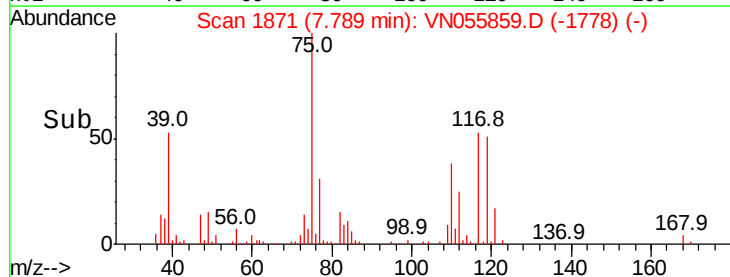
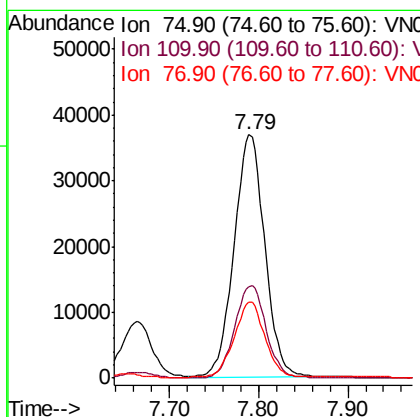
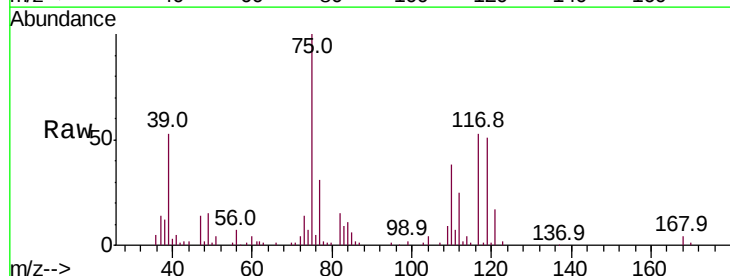
Manual Integrations
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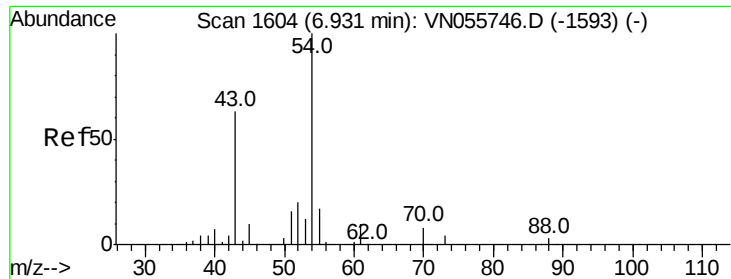
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 5/29/2019 11:10:03 AM



#36
 1,1-Dichloropropene
 Concen: 19.002 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88693		
110	38.7	19.0	57.0	
77	32.2	25.1	37.7	





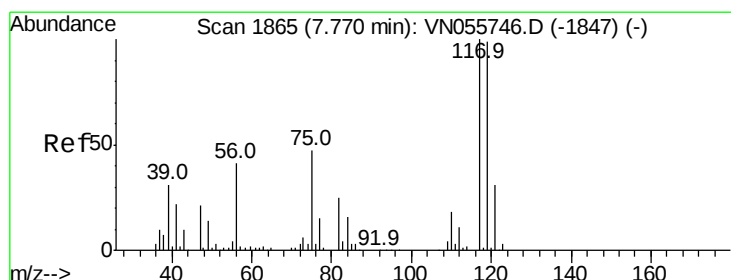
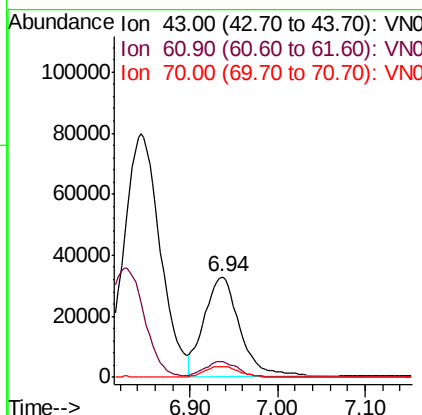
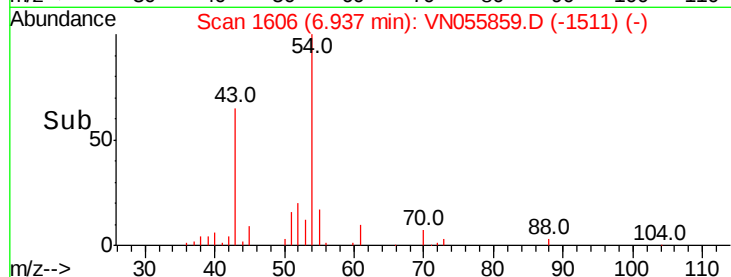
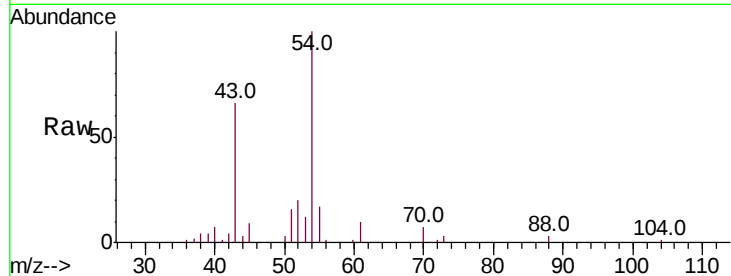
#37
Ethyl Acetate
Concen: 20.619 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleID :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.2	18.2
70	10.8	8.9	13.3

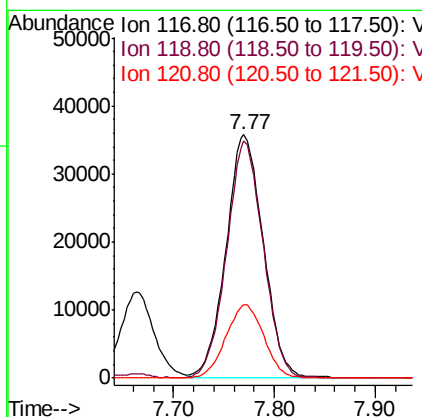
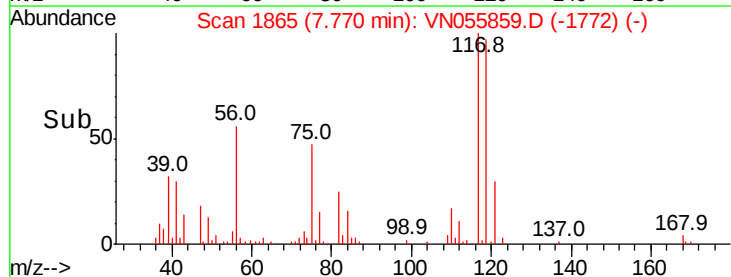
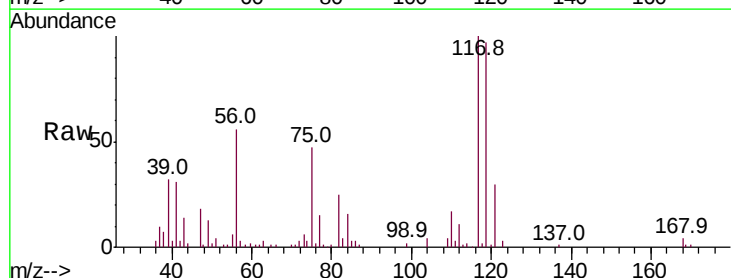
Manual Integrations
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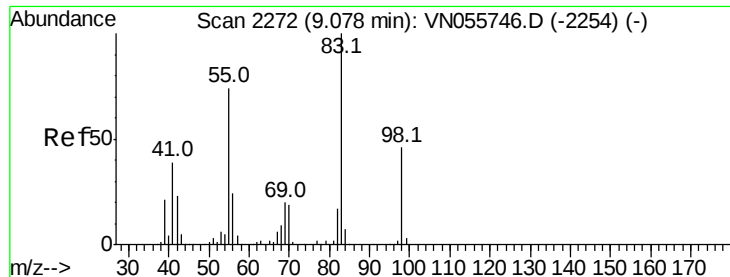
MMDadoda
5/29/2019 11:10:03 AM



#38
Carbon Tetrachloride
Concen: 18.928 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	79.0	118.6
121	30.2	24.7	37.1





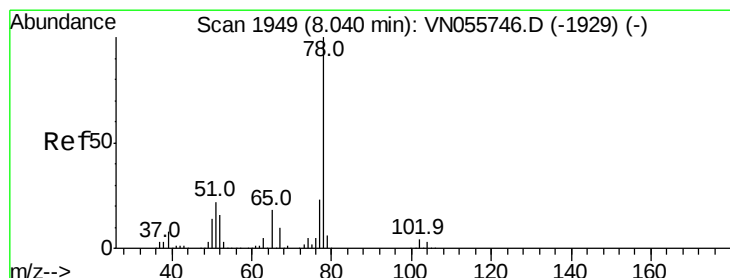
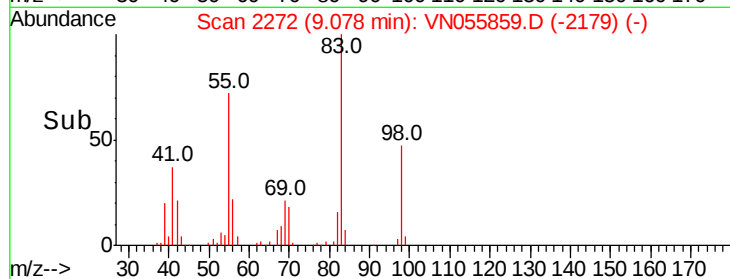
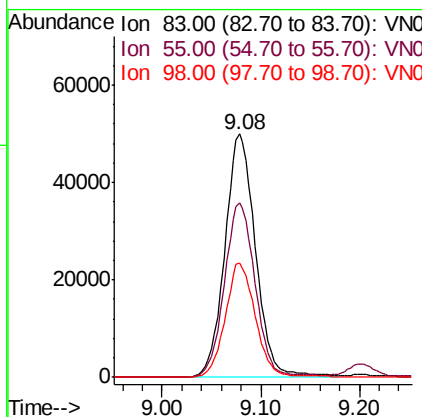
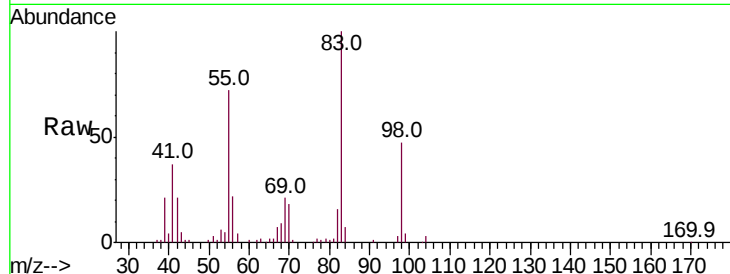
#39
Methvlcvclohexane
Concen: 18.804 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	59.3	88.9
98	47.1	36.6	54.8

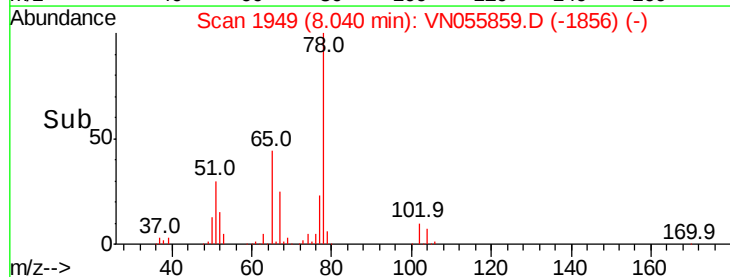
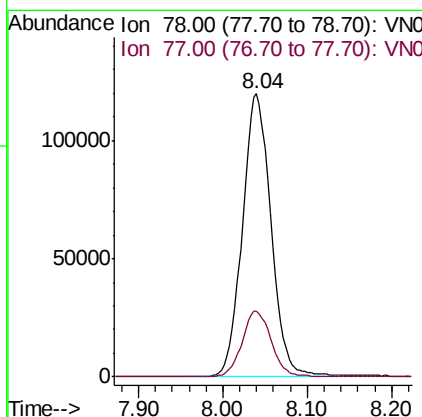
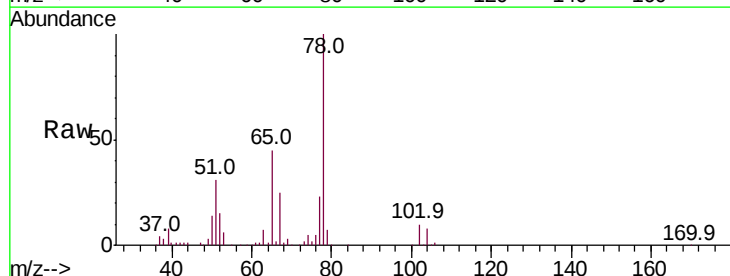
Manual Integrations
APPROVED

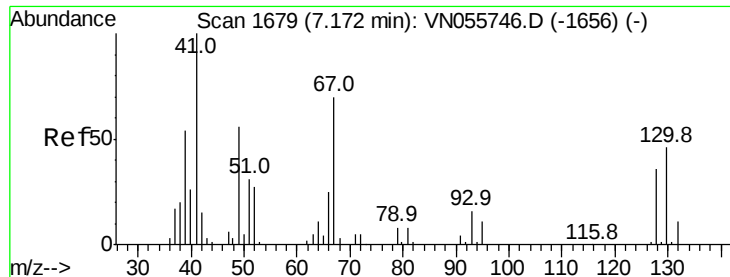
MMDadoda
5/29/2019 11:10:03 AM



#40
Benzene
Concen: 20.173 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





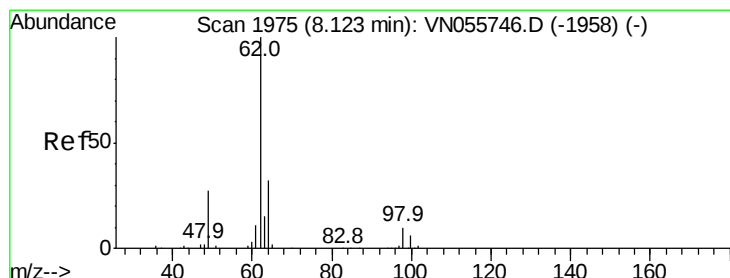
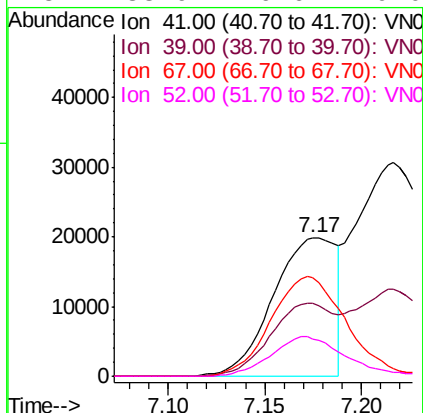
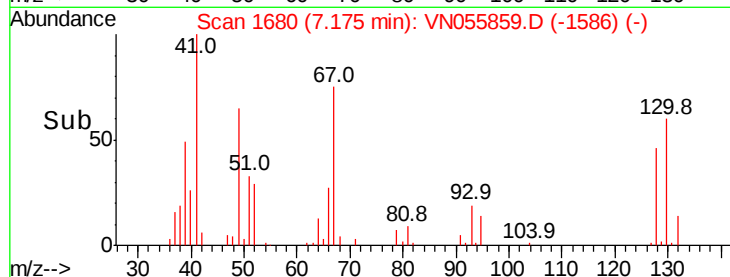
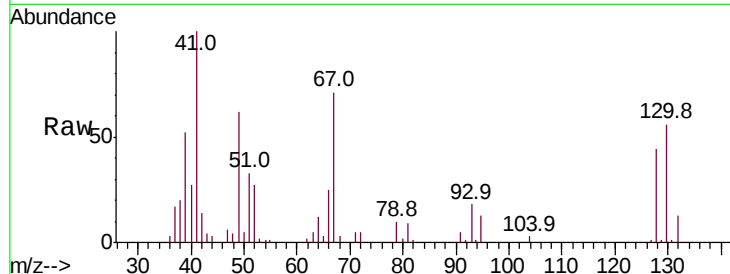
#41
Methacrylonitrile
Concen: 19.831 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion:	41	Resp:	45197
Ion	Ratio	Lower	Upper
41	100		
39	52.8	45.6	68.4
67	86.4	67.7	101.5
52	33.9	26.6	40.0

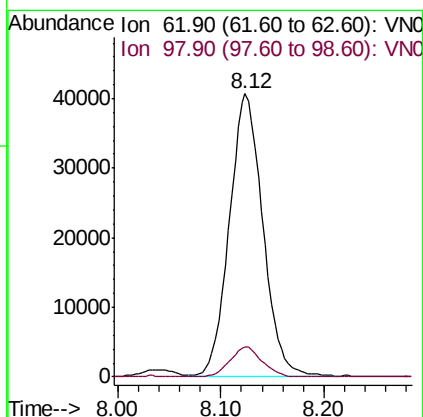
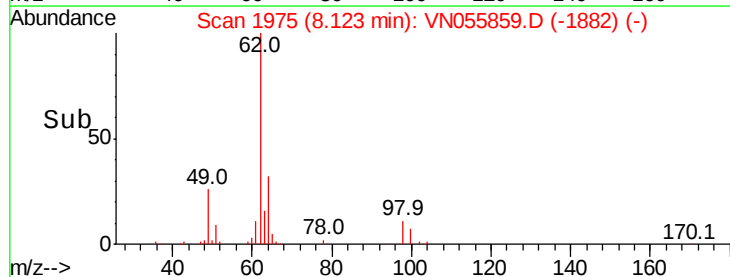
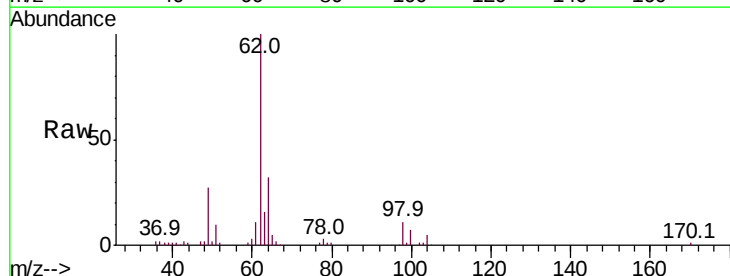
Manual Integrations
APPROVED

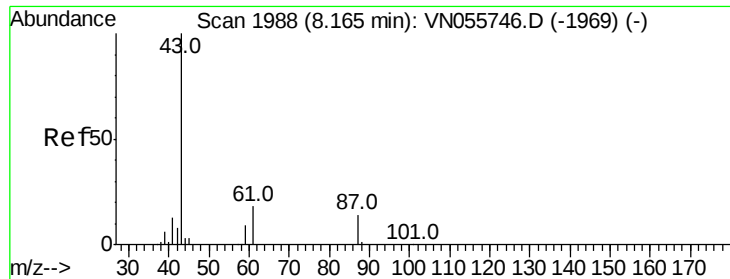
MMDadoda
5/29/2019 11:10:03 AM



#42
1,2-Dichloroethane
Concen: 20.087 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion:	62	Resp:	92330
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.212 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

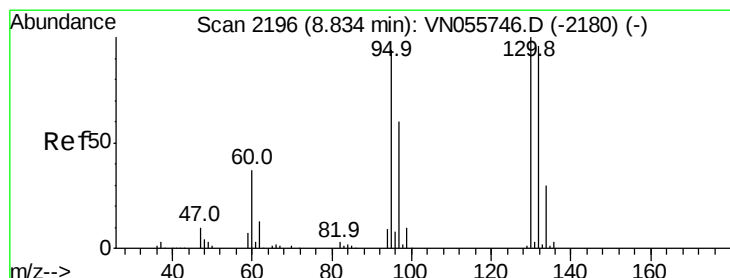
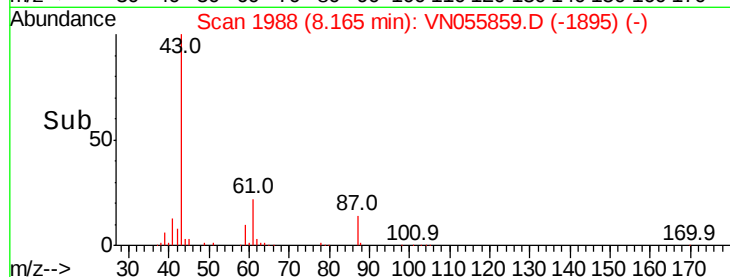
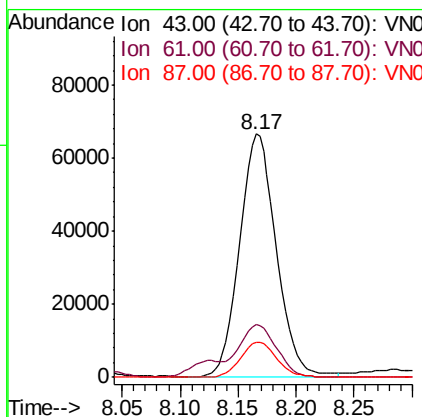
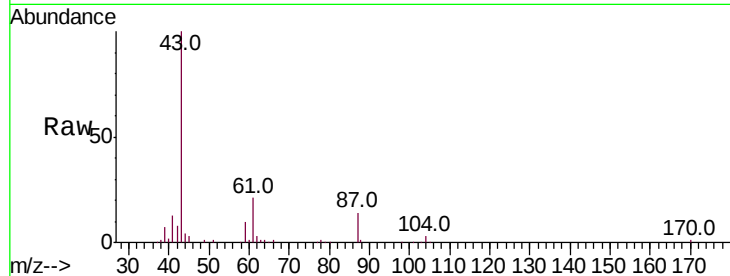
ClientSampleId :

VN0528MBSD01

Tot Ion:	43	Resp:	145615
Ion Ratio	Lower	Upper	
43	100		
61	21.6	22.2	33.4#
87	14.4	11.4	17.2

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#44

Trichloroethene

Concen: 20.713 ug/l

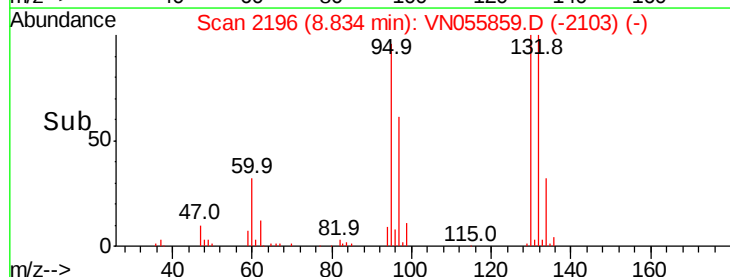
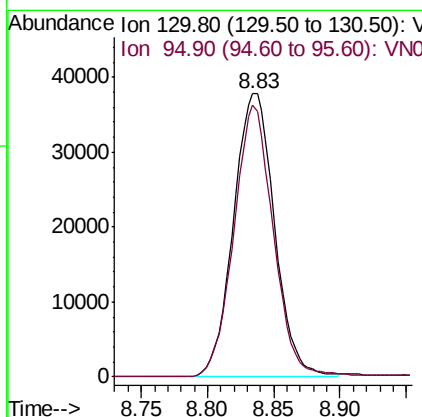
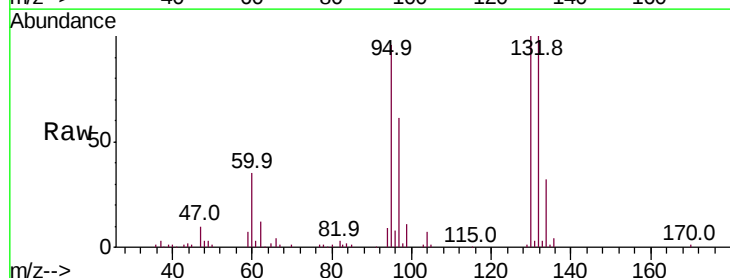
RT: 8.83 min Scan# 2196

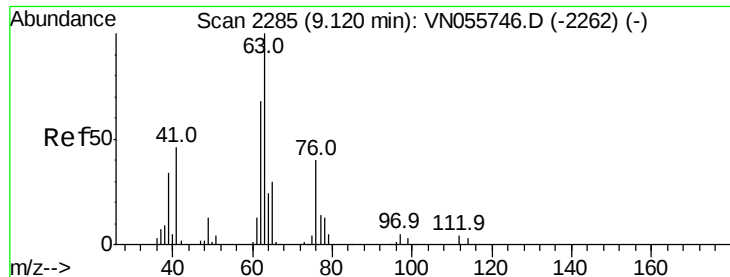
Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion:	130	Resp:	81230
Ion Ratio	Lower	Upper	
130	100		
95	96.0	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.850 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 63 Resp: 72752

Ion Ratio Lower Upper

63 100

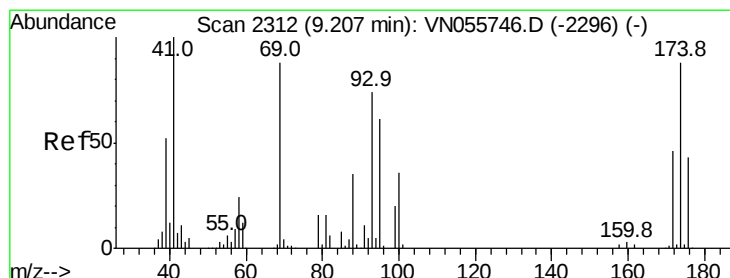
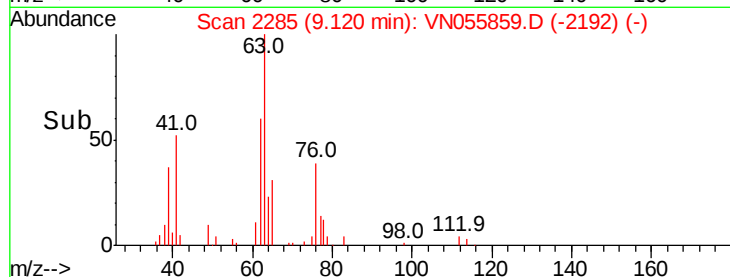
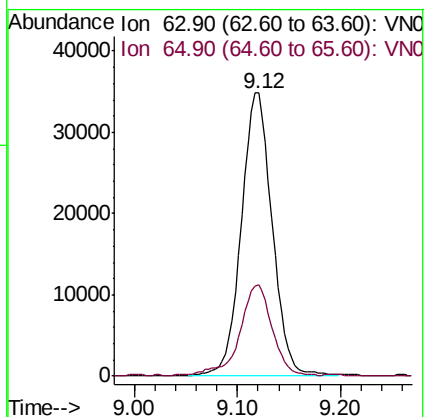
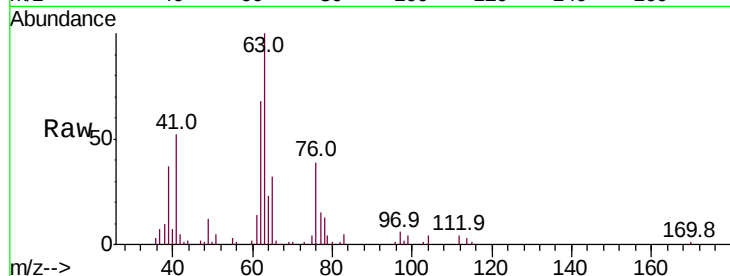
65 31.5 24.6 36.8

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#46

Dibromomethane

Concen: 20.147 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

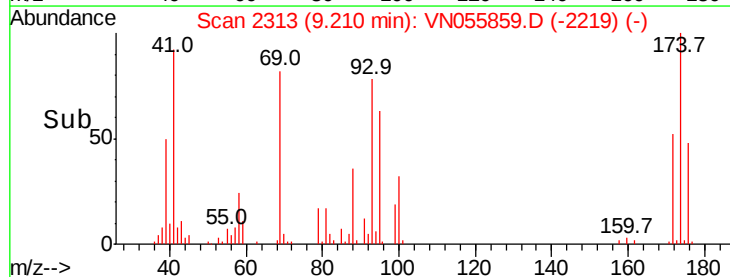
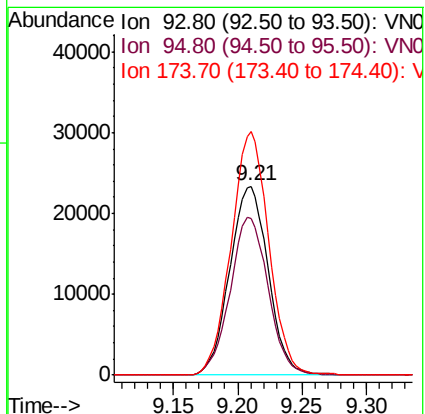
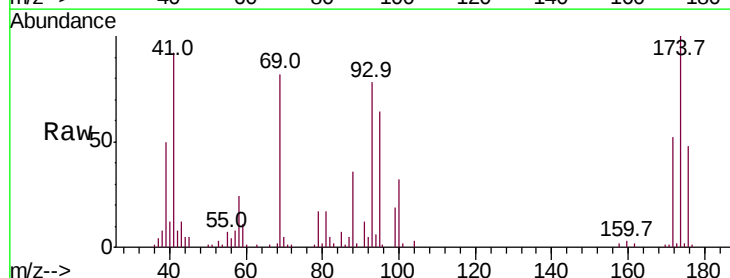
Tgt Ion: 93 Resp: 48426

Ion Ratio Lower Upper

93 100

95 82.7 66.7 100.1

174 126.3 96.4 144.6





#47

Bromodichloromethane

Concen: 18.818 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

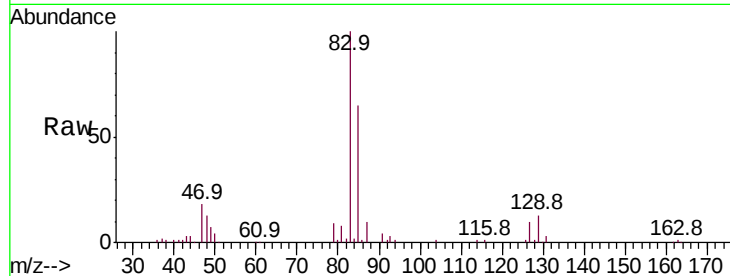
ClientSampleId :

VN0528MBSD01

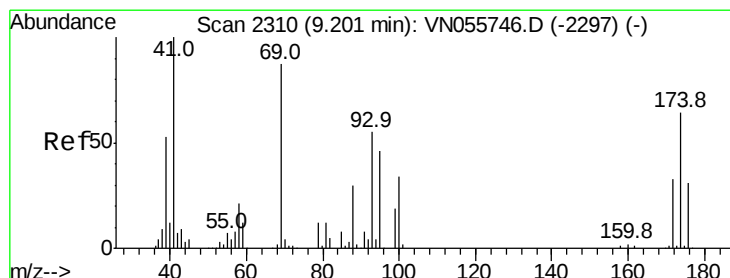
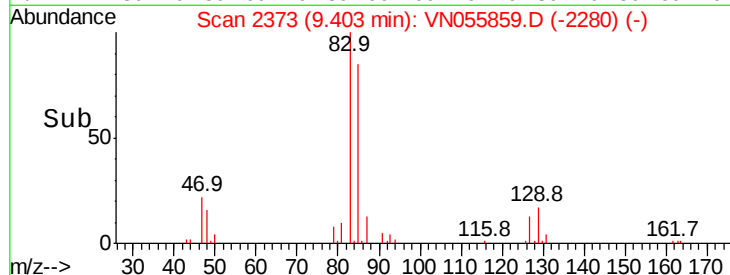
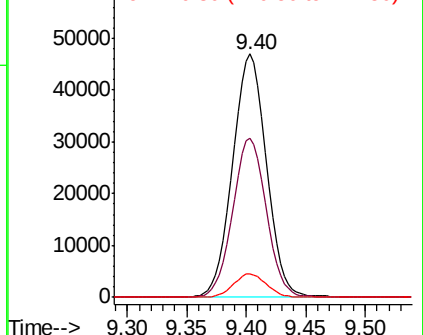
Tot Ion:	83	Resp:	92749
Ion Ratio	Lower	Upper	
83	100		
85	65.4	52.2	78.2
127	9.8	7.4	11.0

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



#48

Methyl methacrylate

Concen: 19.743 ug/l

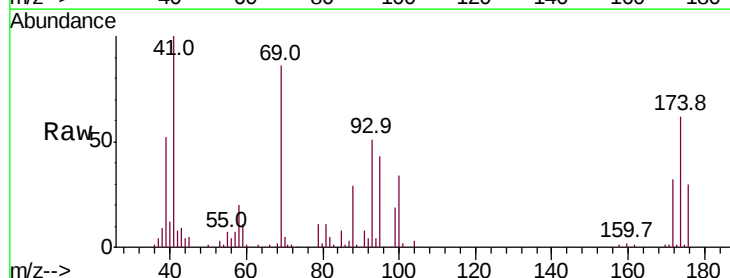
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

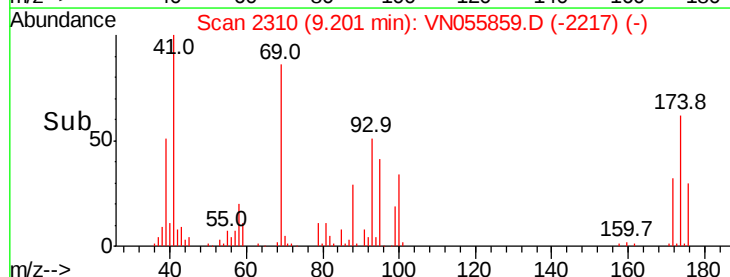
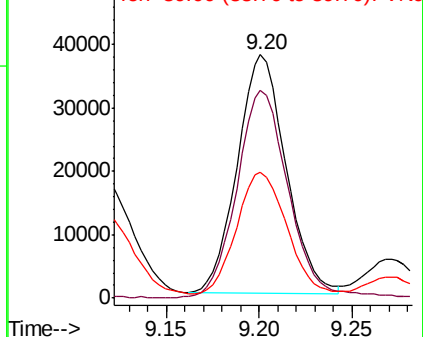
Lab File: VN055859.D

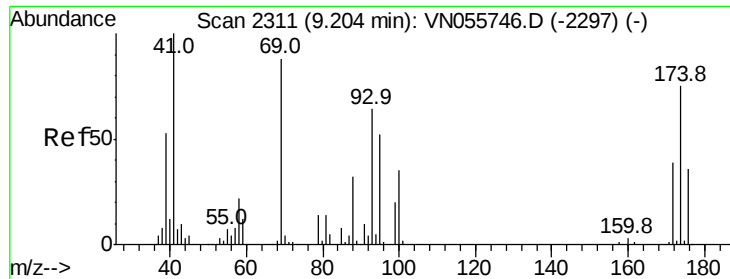
Acq: 28 May 2019 17:52

Tgt Ion:	41	Resp:	68966
Ion Ratio	Lower	Upper	
41	100		
69	92.5	71.0	106.6
39	55.8	44.2	66.2



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





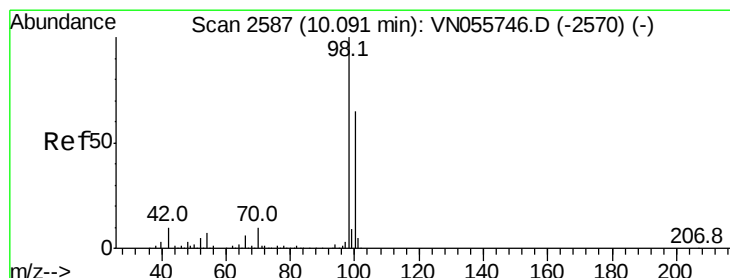
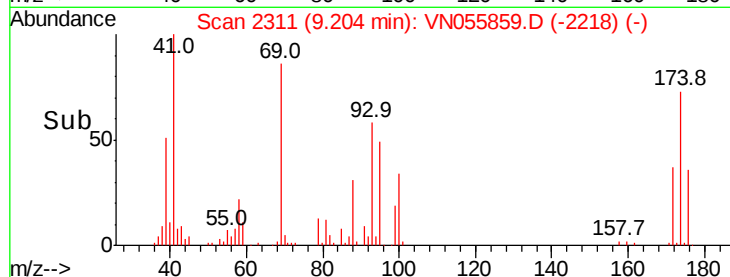
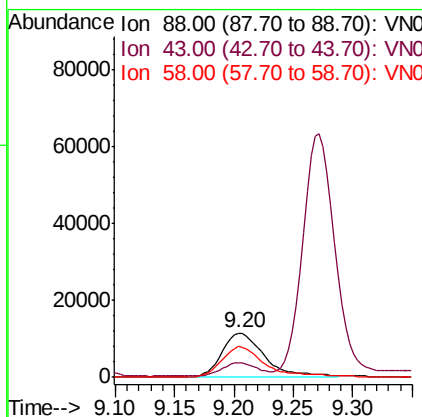
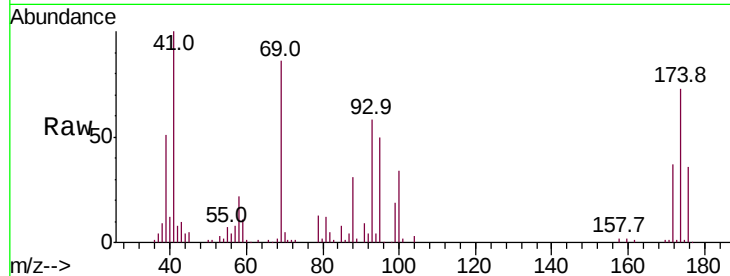
#49
 1,4-Dioxane
 Concen: 398.956 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	88	Resp	28961
Ion	Ratio	Lower	Upper
88	100		
43	25.2	20.5	30.7
58	71.5	55.8	83.6

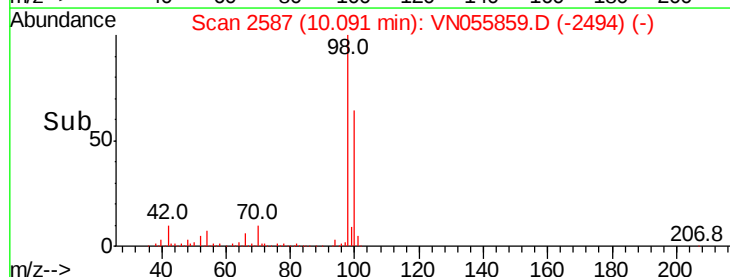
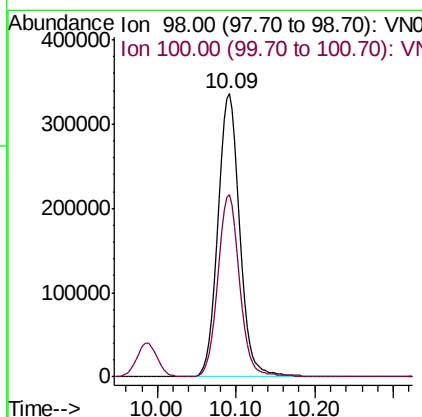
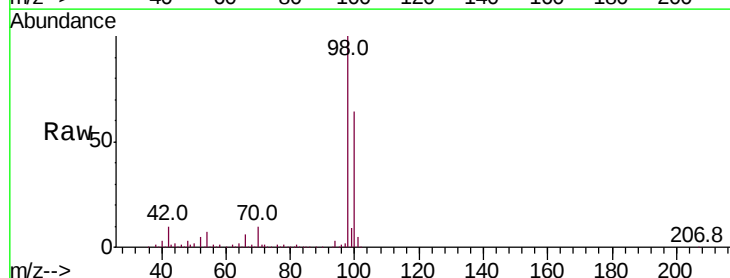
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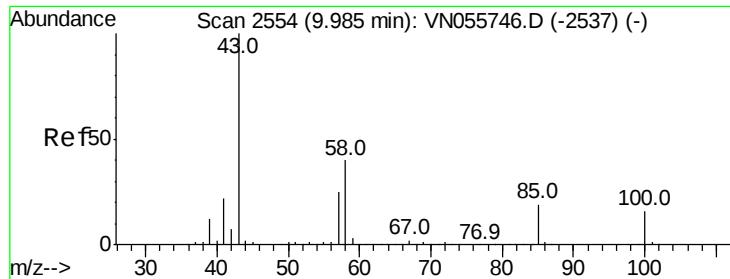
MMDadoda
 5/29/2019 11:10:03 AM



#50
 Toluene-d8
 Concen: 49.433 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	98	Resp	642097
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 100.952 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleID :

VN0528MBSD01

Tot Ion: 43 Resp: 451908

Ion Ratio Lower Upper

43 100

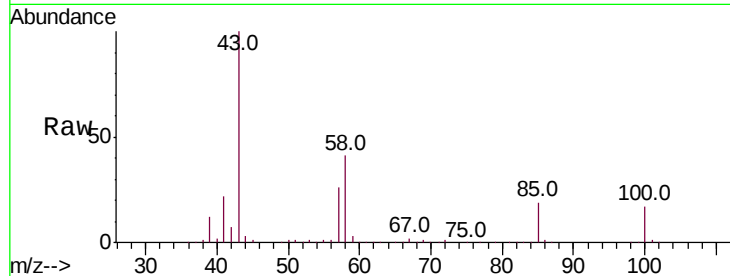
58 40.8 32.1 48.1

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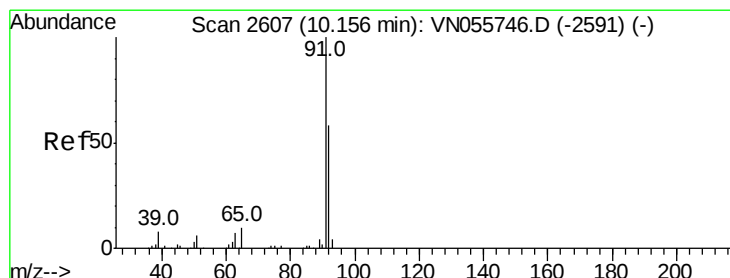
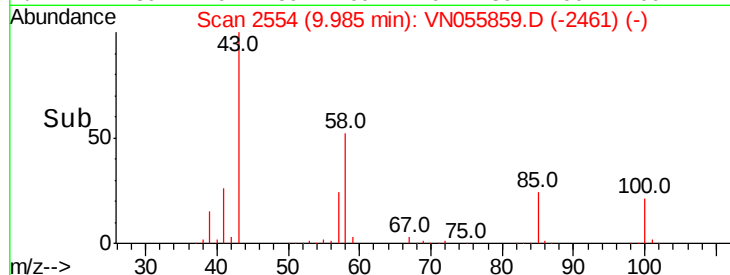
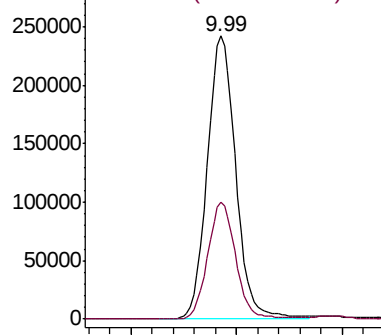
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.845 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055859.D

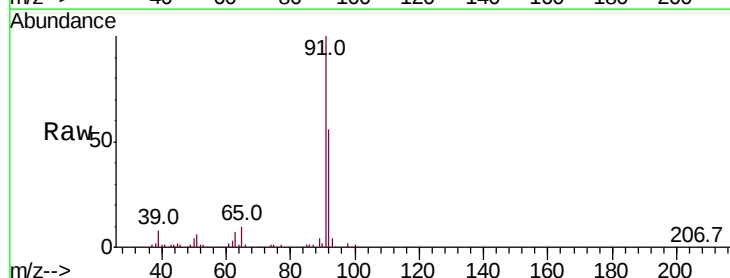
Acq: 28 May 2019 17:52

Tgt Ion: 92 Resp: 184421

Ion Ratio Lower Upper

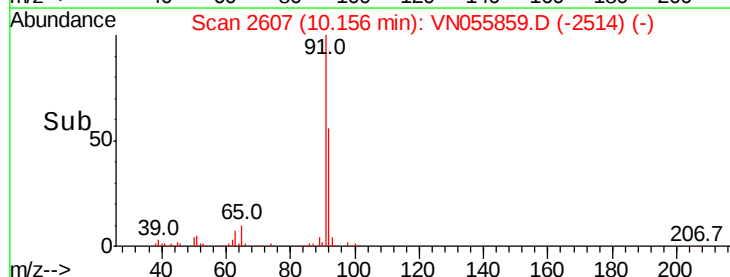
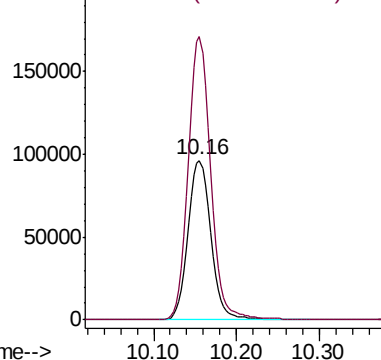
92 100

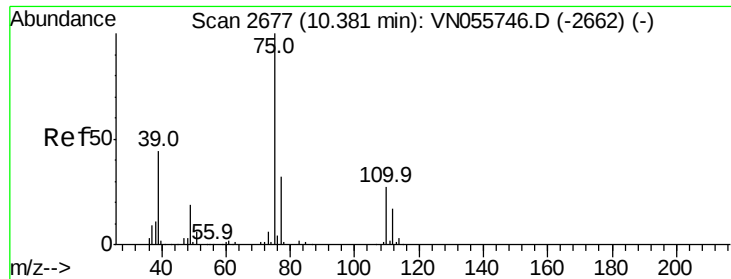
91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.324 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 75 Resp: 96400

Ion Ratio Lower Upper

75 100

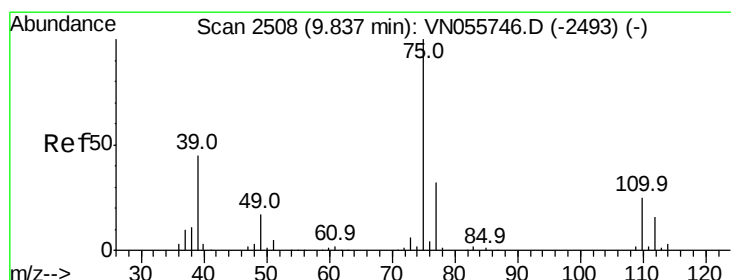
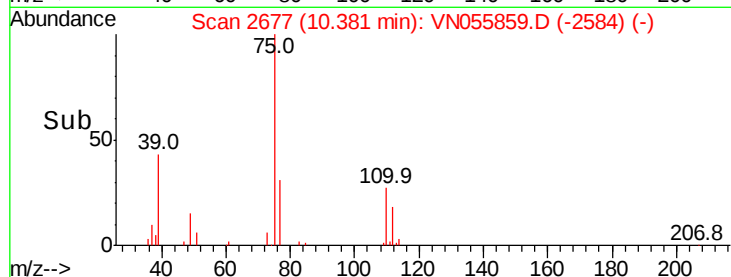
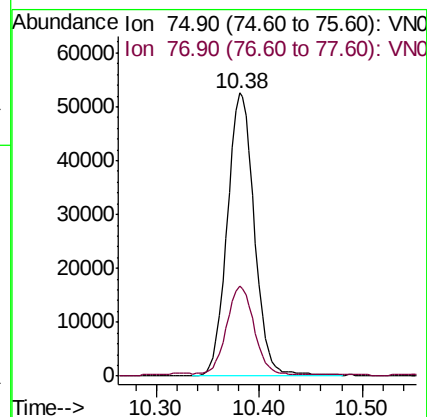
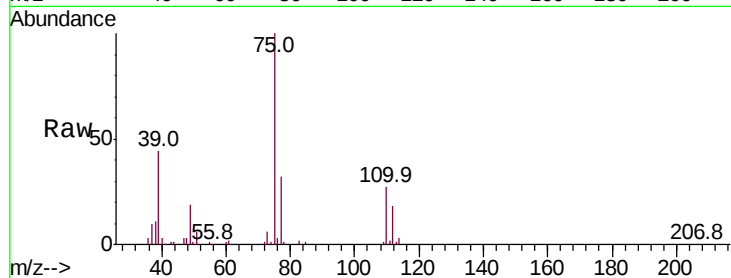
77 31.2 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 18.713 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

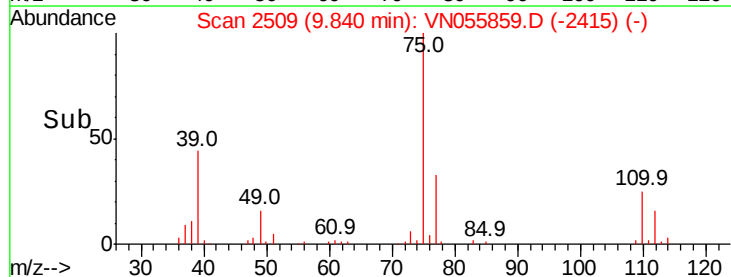
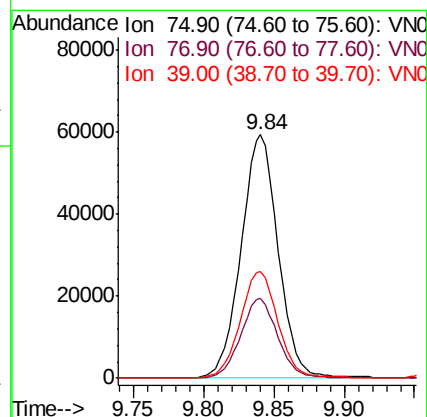
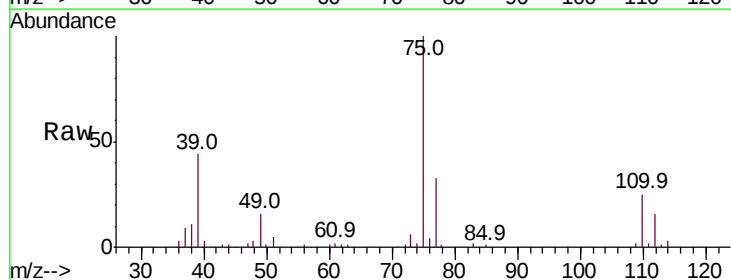
Tgt Ion: 75 Resp: 109062

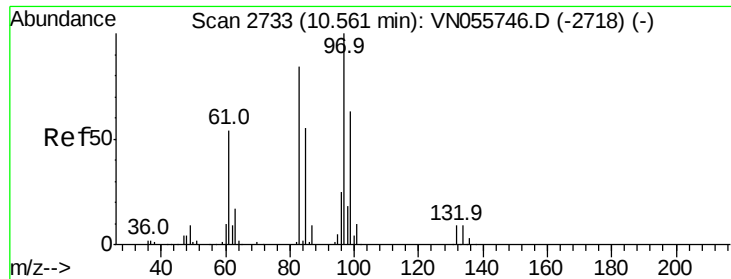
Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0

39 43.8 36.3 54.5





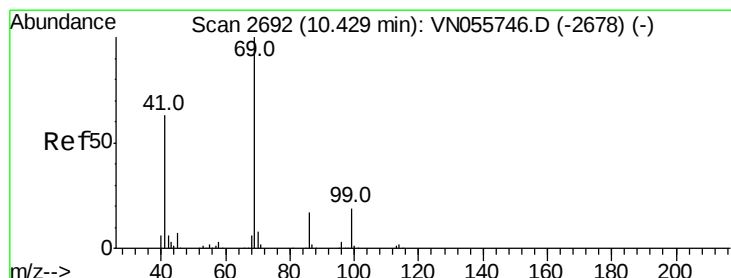
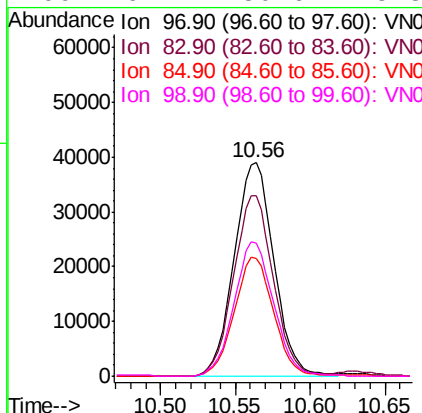
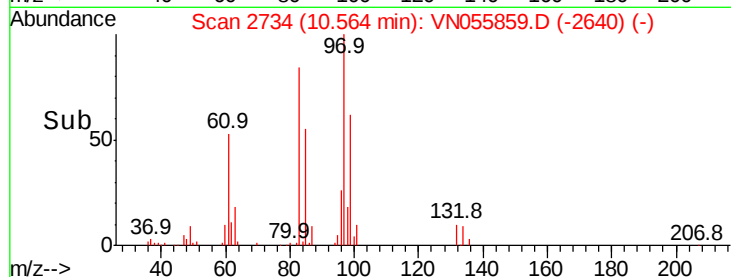
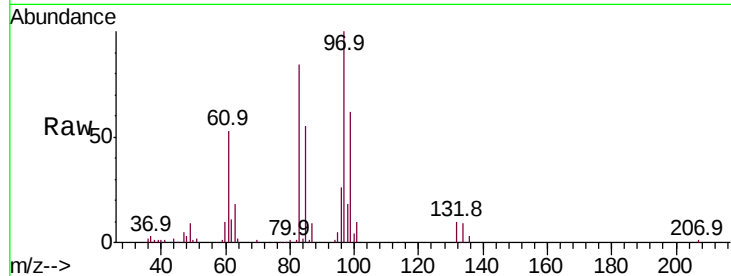
#55
 1,1,2-Trichloroethane
 Concen: 20.385 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion:	97	Resp:	72249
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.0	100.6
85	55.4	44.0	66.0
99	62.1	50.6	75.8

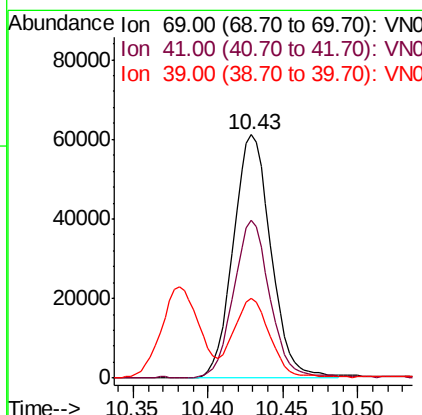
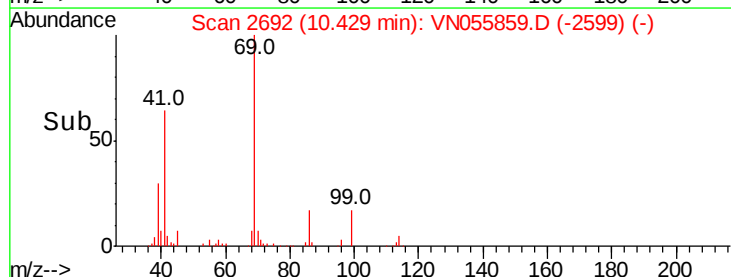
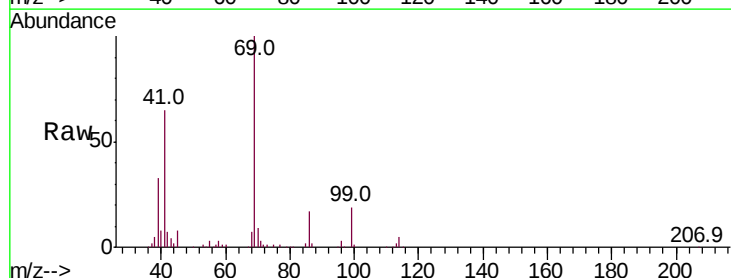
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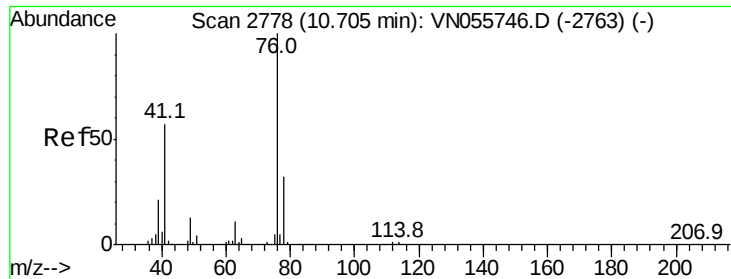
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#56
 Ethyl methacrylate
 Concen: 19.624 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion:	69	Resp:	107494
Ion	Ratio	Lower	Upper
69	100		
41	62.8	49.7	74.5
39	31.2	24.7	37.1





#57

1,3-Dichloropropane

Concen: 20.076 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampled :

VN0528MBSD01

Tot Ion: 76 Resp: 115657

Ion Ratio Lower Upper

76 100

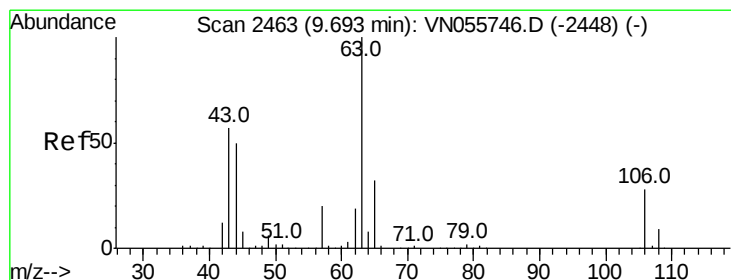
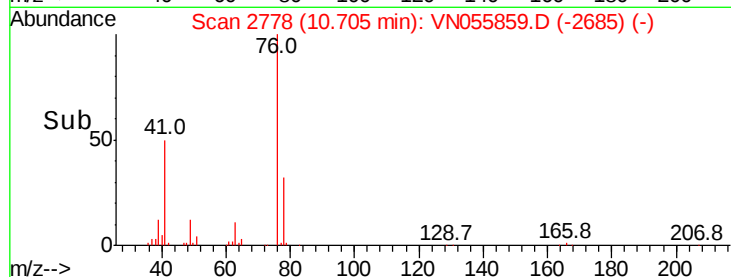
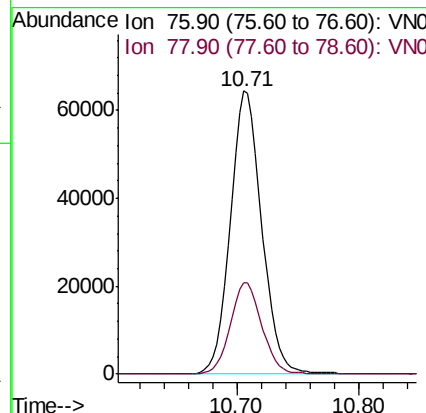
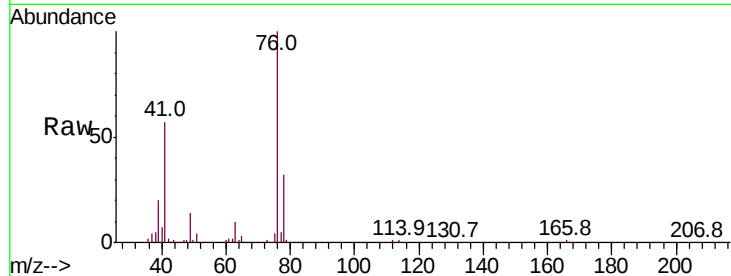
78 32.5 25.8 38.6

Manual Integrations

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5/29/2019 11:10:03 AM



#58

2-Chloroethyl Vinyl ether

Concen: 90.989 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055859.D

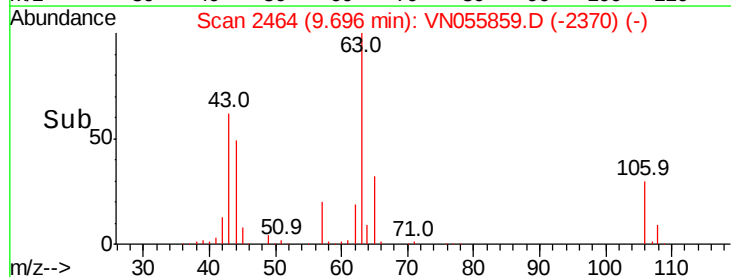
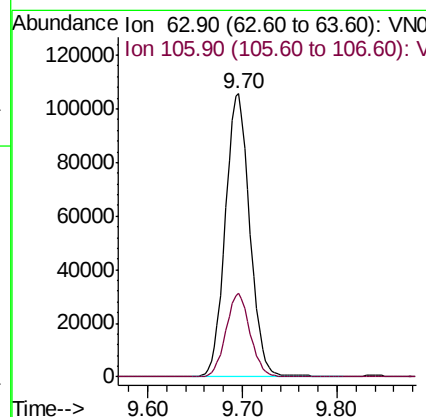
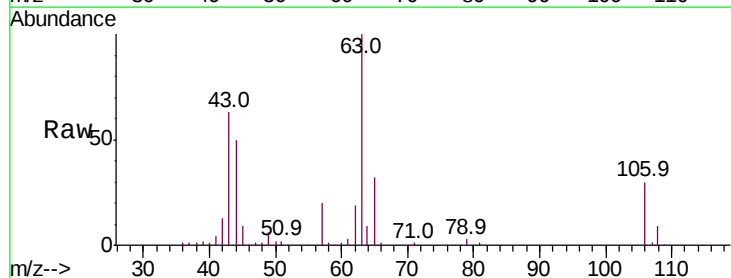
Acq: 28 May 2019 17:52

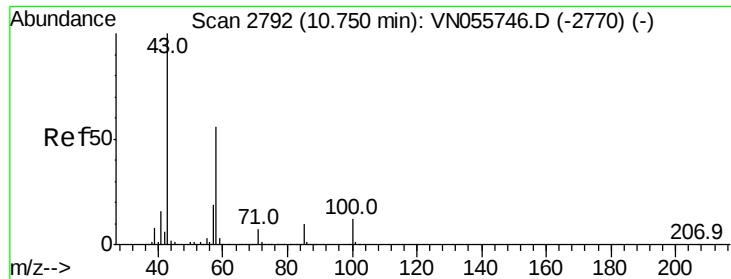
Tgt Ion: 63 Resp: 190468

Ion Ratio Lower Upper

63 100

106 29.0 22.7 34.1





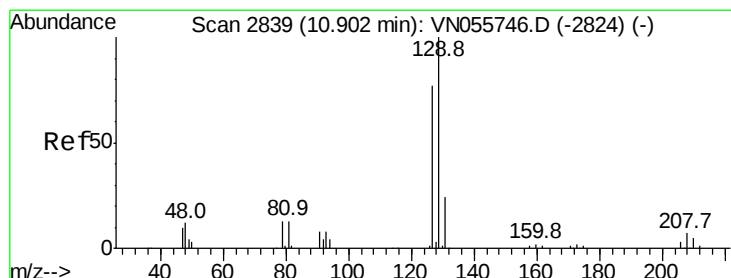
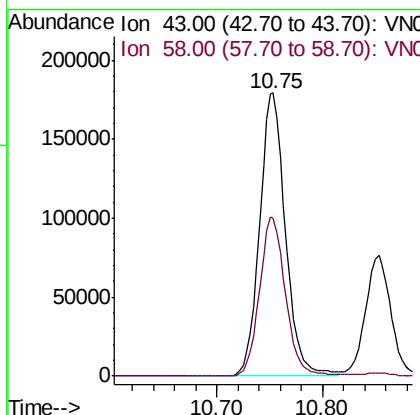
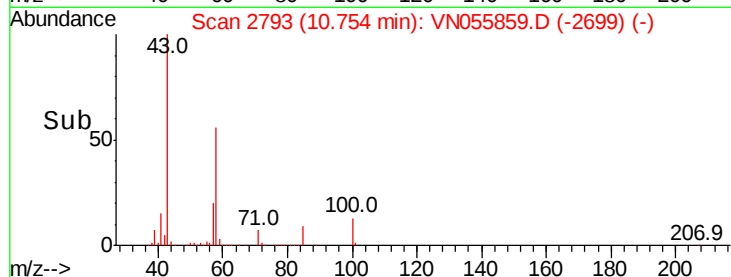
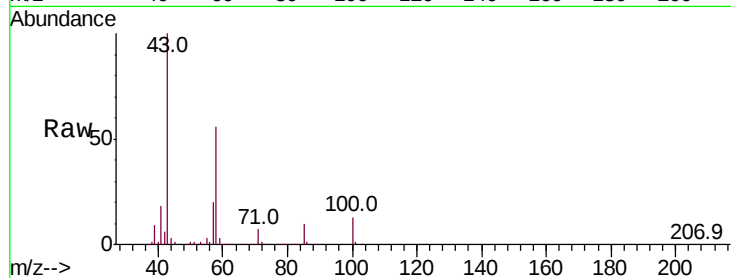
#59
2-Hexanone
Concen: 96.701 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion: 43 Resp: 307087
Ion Ratio Lower Upper
43 100
58 56.6 28.2 84.7

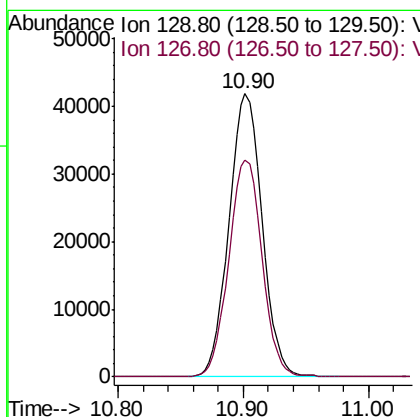
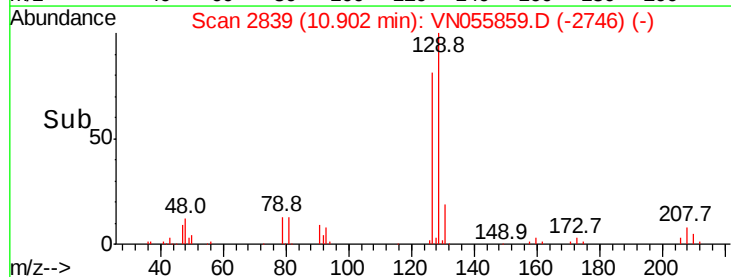
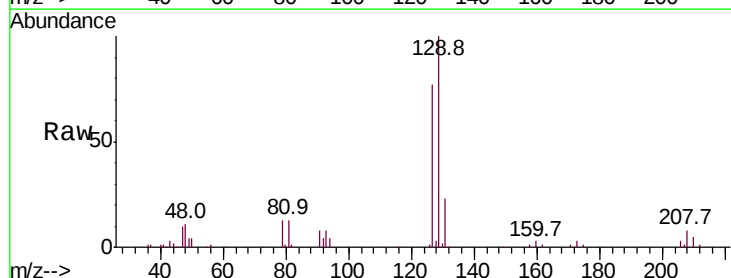
Manual Integrations
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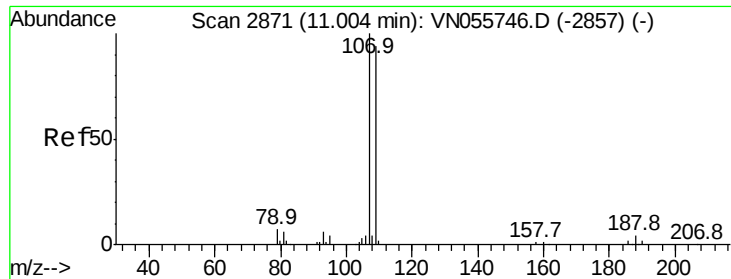
MMDadoda
5/29/2019 11:10:03 AM



#60
Dibromochloromethane
Concen: 18.617 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion: 129 Resp: 76869
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.3





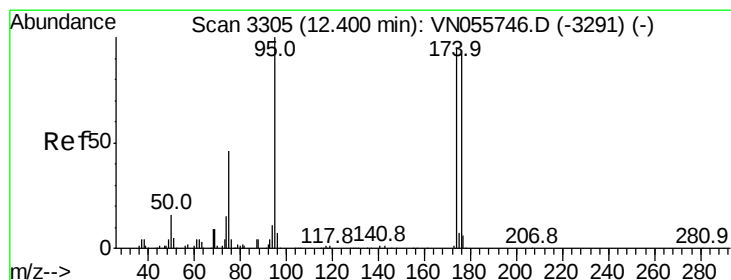
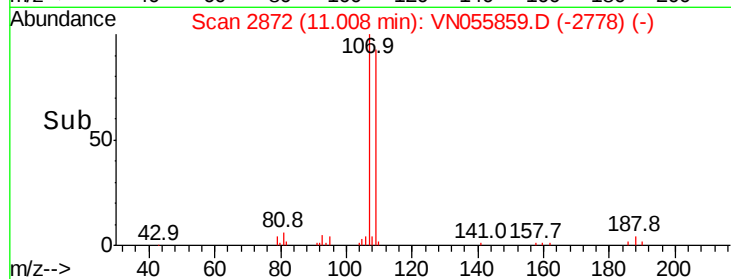
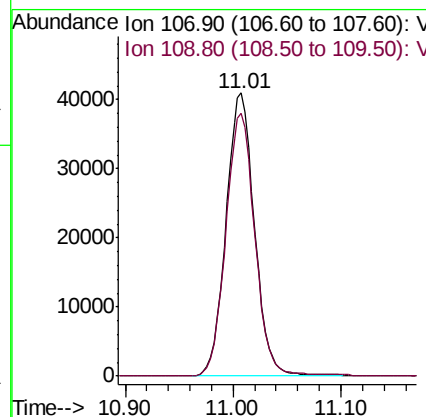
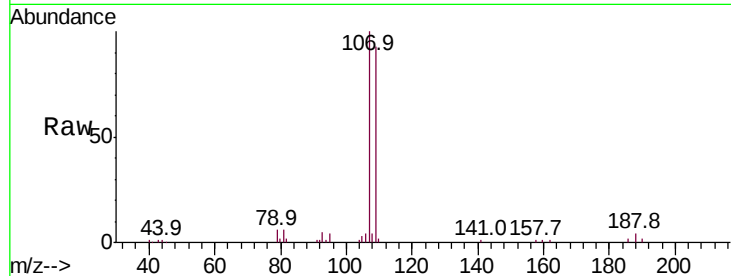
#61
 1,2-Dibromoethane
 Concen: 20.411 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.8	112.2

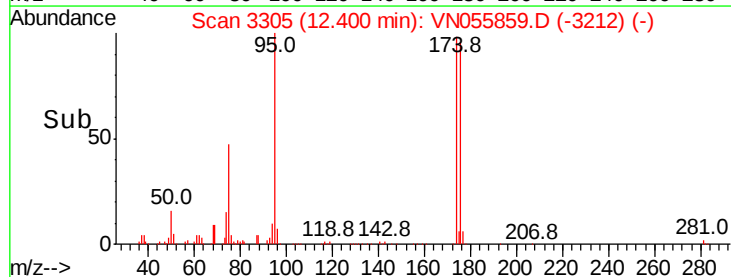
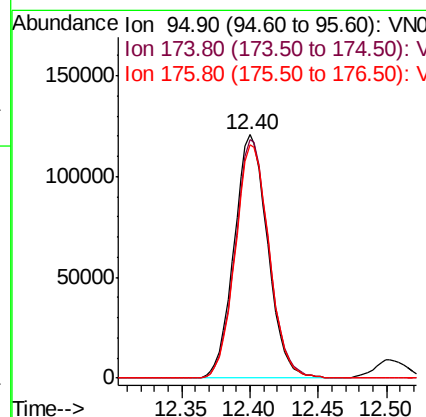
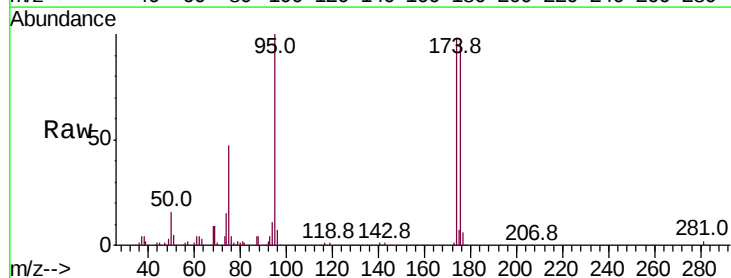
Manual Integrations
 APPROVED

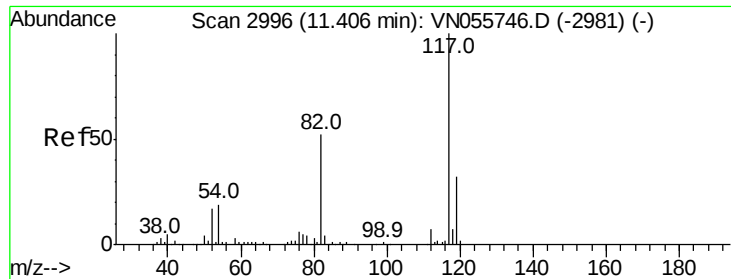
MMDadoda
 5/29/2019 11:10:03 AM



#62
 4-Bromofluorobenzene
 Concen: 46.392 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	191.0
176	96.7	0.0	185.2





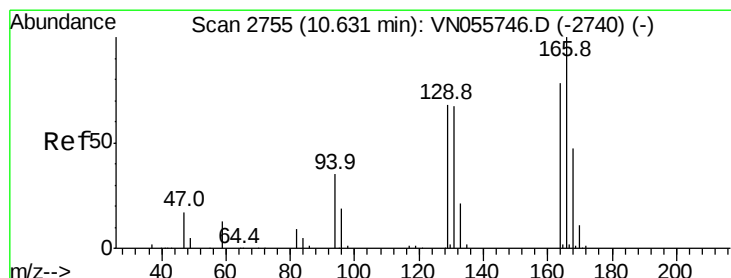
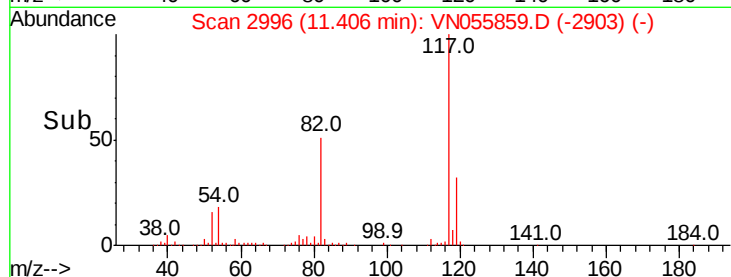
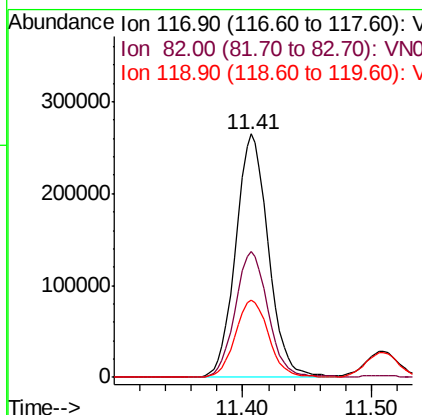
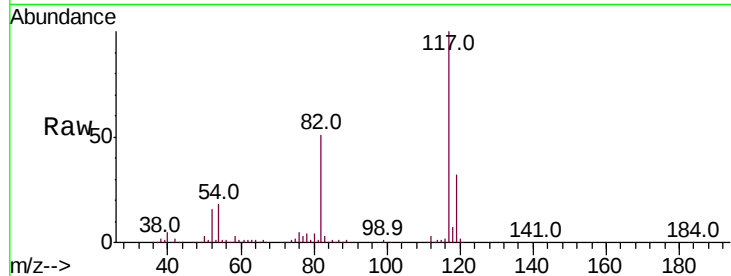
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampled :
VN0528MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	467236		
82	51.4		41.8	62.8
119	31.9		25.4	38.0

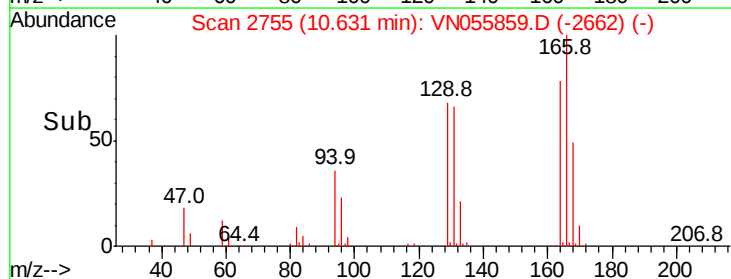
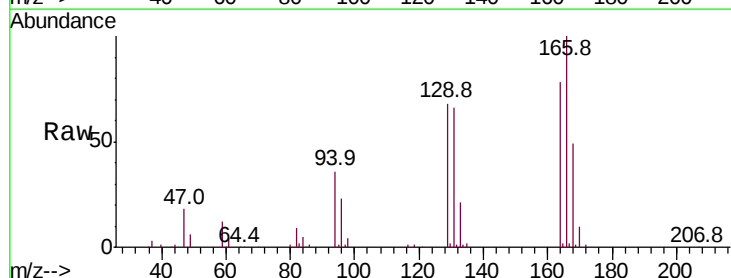
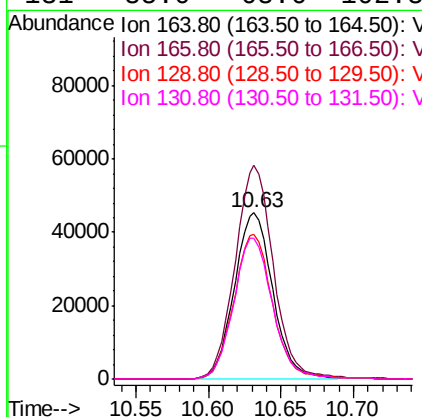
Manual Integrations
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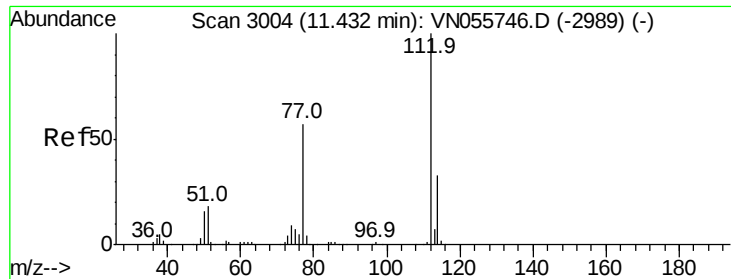
MMDadoda
5/29/2019 11:10:03 AM



#64
Tetrachloroethene
Concen: 21.263 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83794		
166	128.4		103.0	154.6
129	87.3		70.6	105.8
131	85.0		68.6	102.8





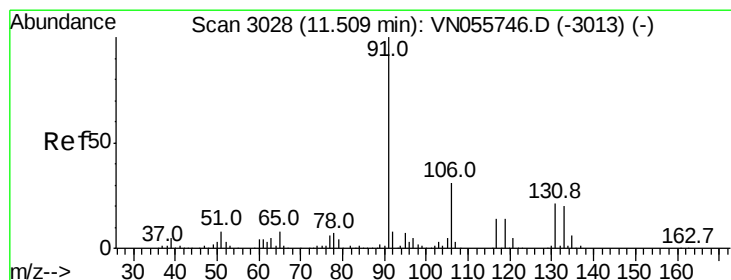
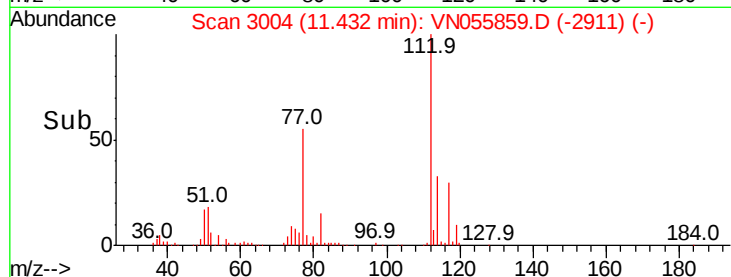
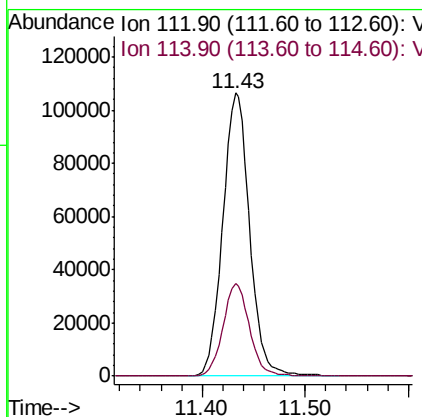
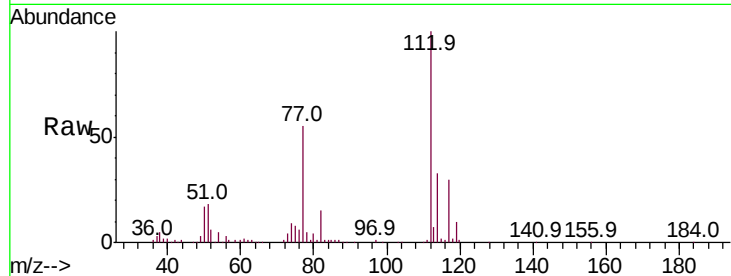
#65
Chlorobenzene
Concen: 20.594 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion:112 Resp: 192623
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.4

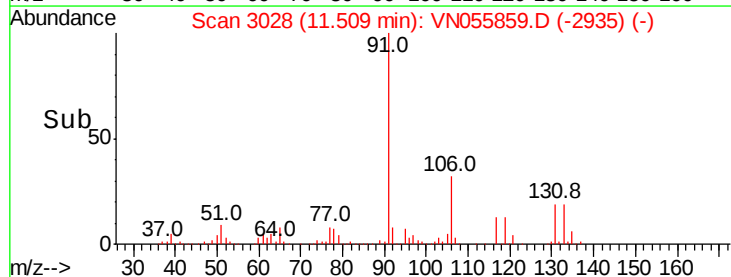
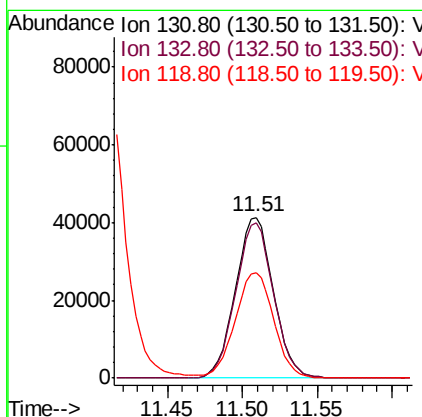
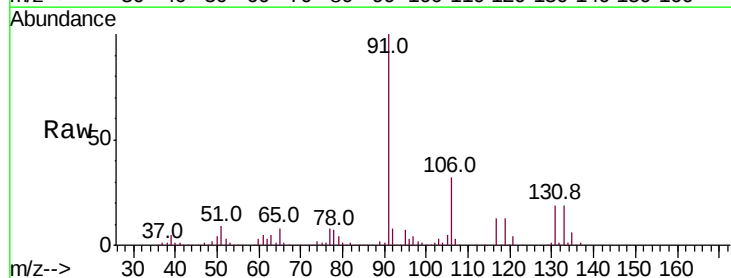
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.554 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion:131 Resp: 72946
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.9 33.1 99.5





#67

Ethyl Benzene

Concen: 21.819 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 91 Resp: 365988

Ion Ratio Lower Upper

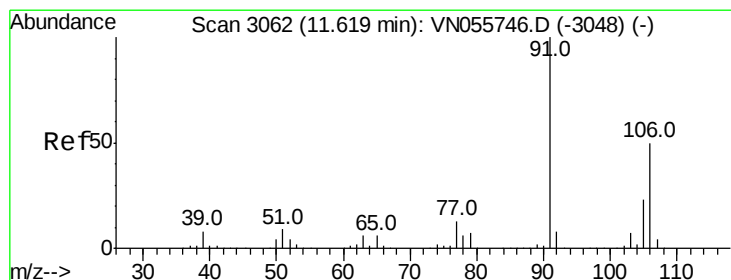
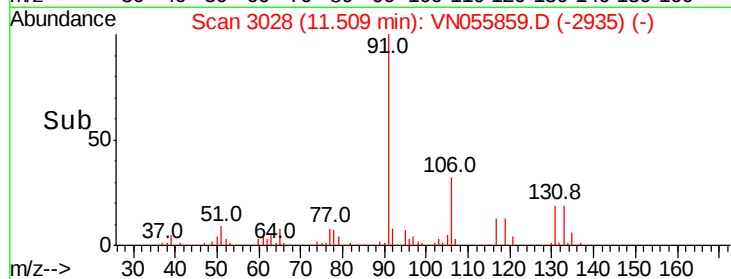
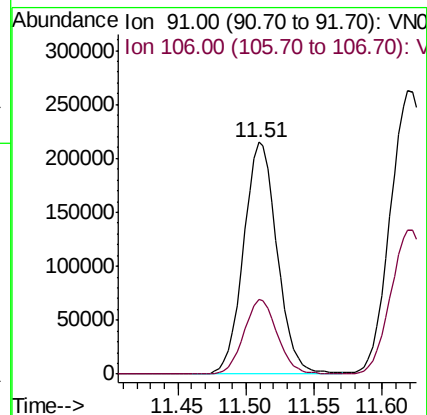
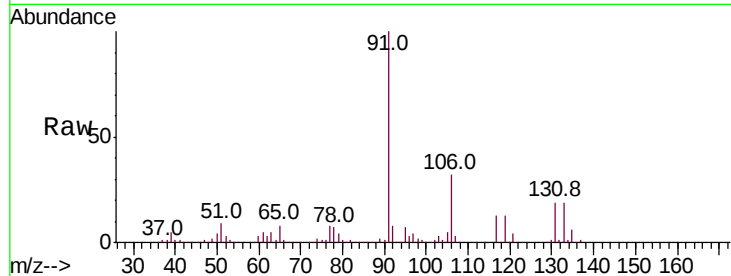
91 100

106 32.0 25.1 37.7

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.904 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055859.D

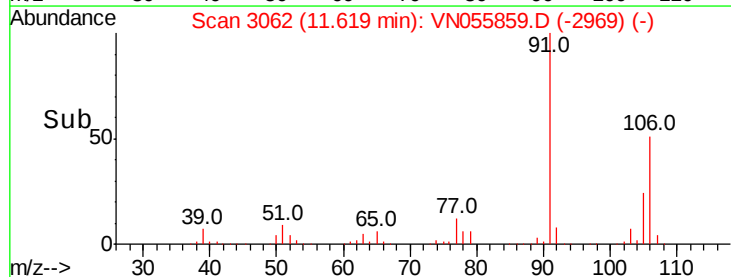
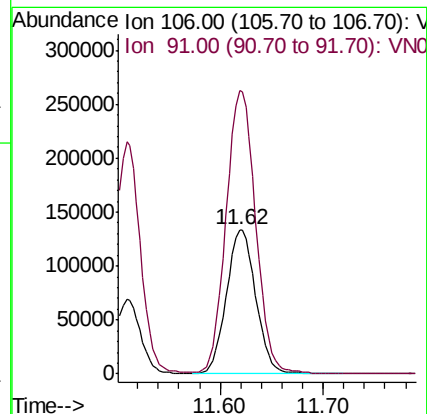
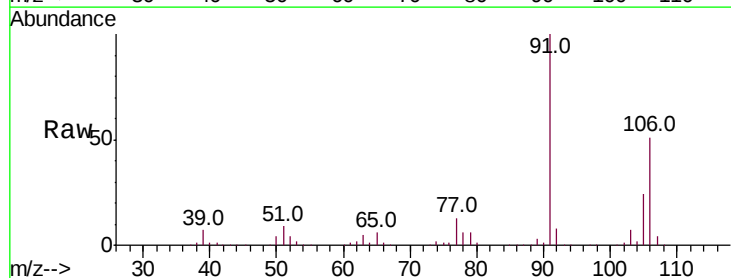
Acq: 28 May 2019 17:52

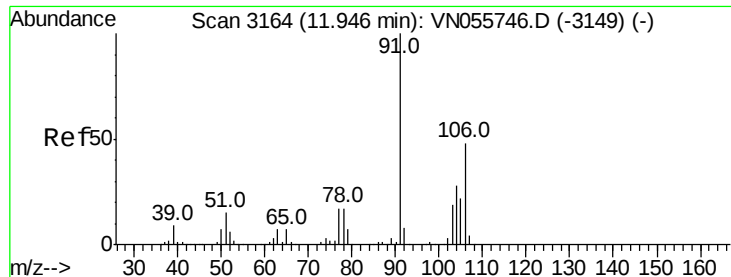
Tgt Ion: 106 Resp: 265724

Ion Ratio Lower Upper

106 100

91 198.3 159.3 238.9





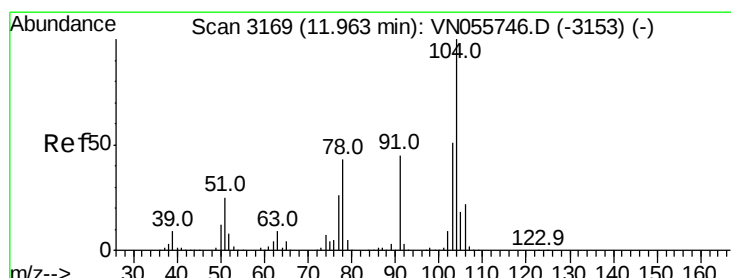
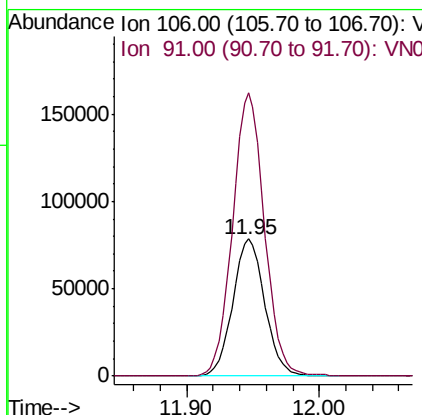
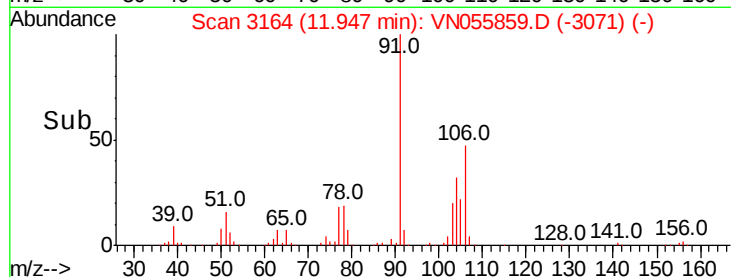
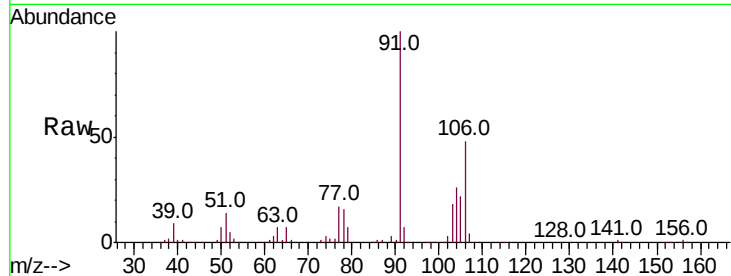
#69
o-Xylene
Concen: 20.951 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion:106 Resp: 131812
Ion Ratio Lower Upper
106 100
91 204.7 104.7 314.1

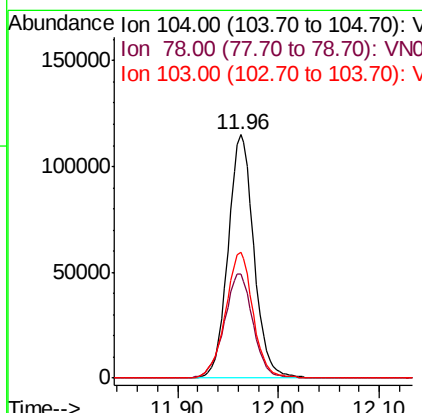
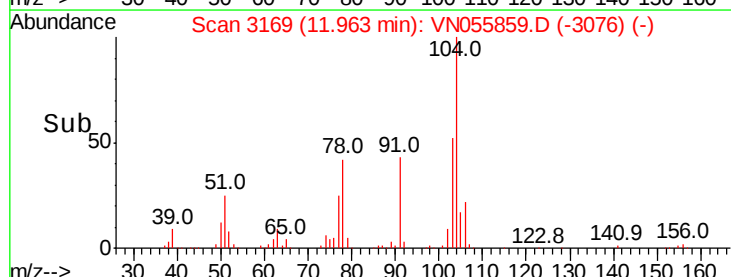
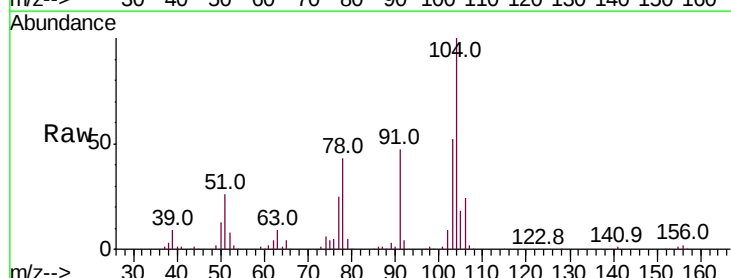
Manual Integrations
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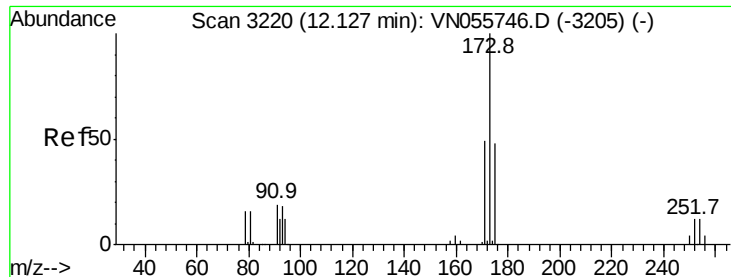
MMDadoda
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#70
Styrene
Concen: 20.148 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion:104 Resp: 205276
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 55.2 44.2 66.2





#71

Bromoform

Concen: 18.028 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion:173 Resp: 57365

Ion Ratio Lower Upper

173 100

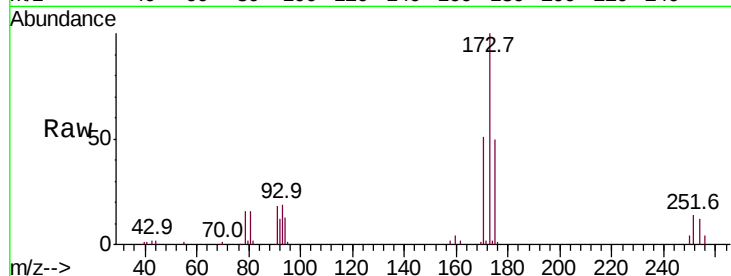
175 48.5 24.3 72.8

254 0.0 0.0 0.0

Manual Integrations
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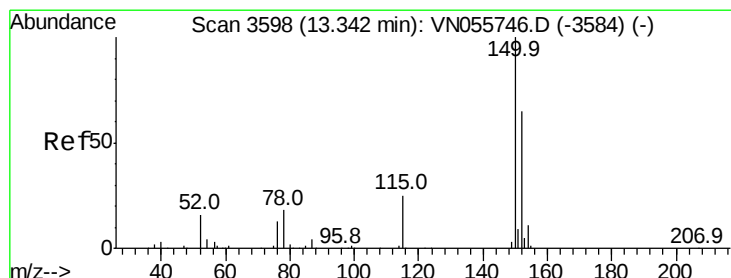
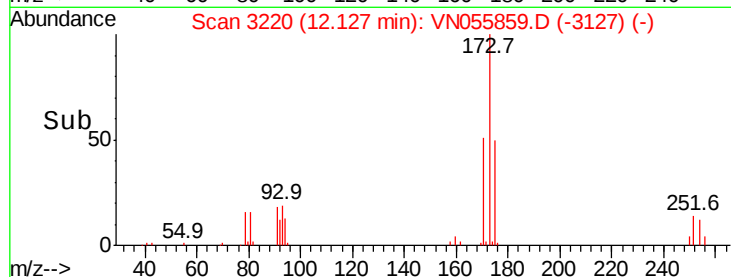
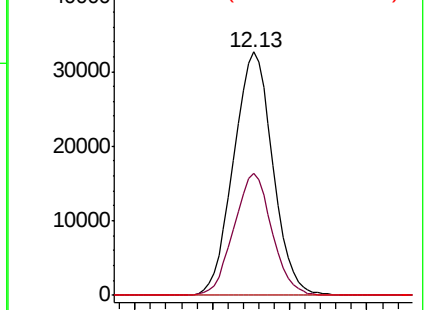
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

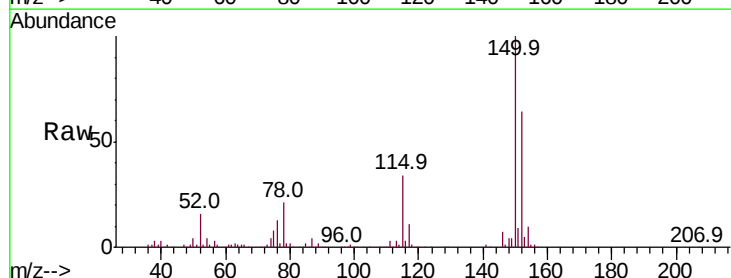
Tgt Ion:152 Resp: 198163

Ion Ratio Lower Upper

152 100

115 51.5 27.0 81.0

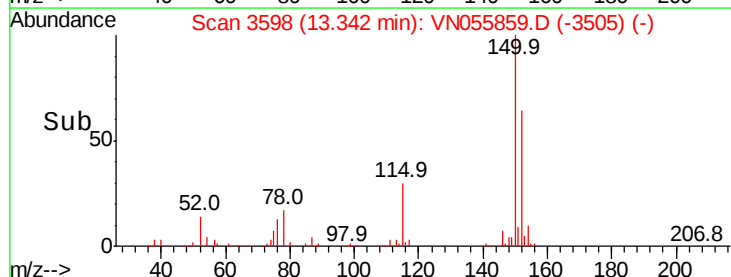
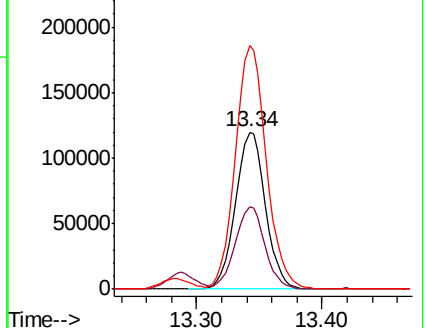
150 160.9 0.0 343.2

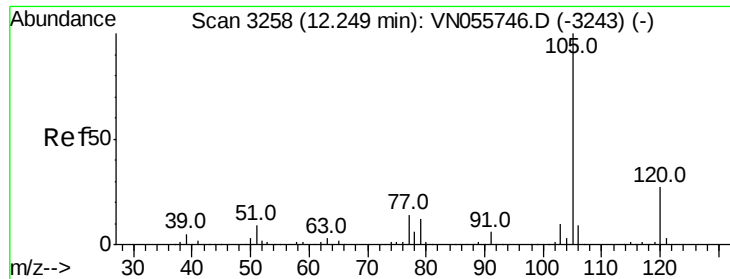


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.551 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion:105 Resp: 338525

Ion Ratio Lower Upper

105 100

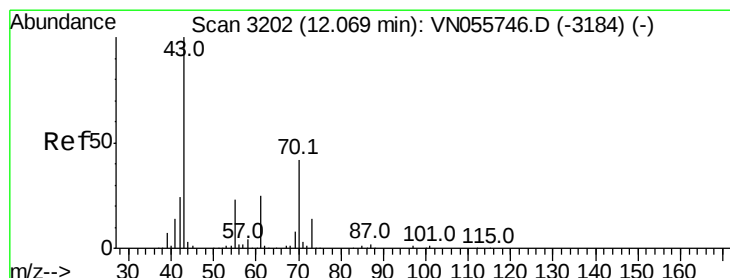
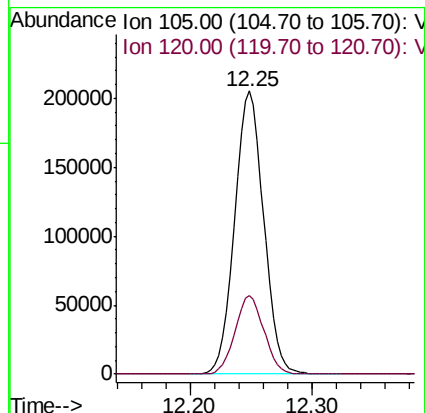
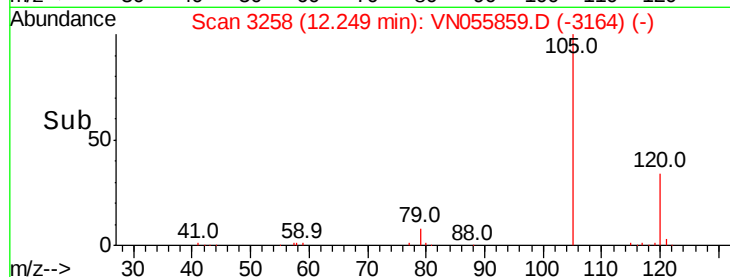
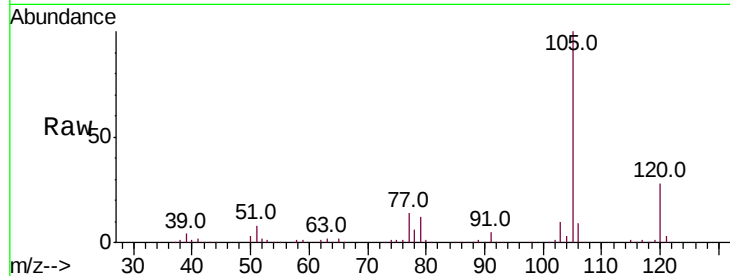
120 27.6 13.6 40.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.983 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion: 43 Resp: 114572

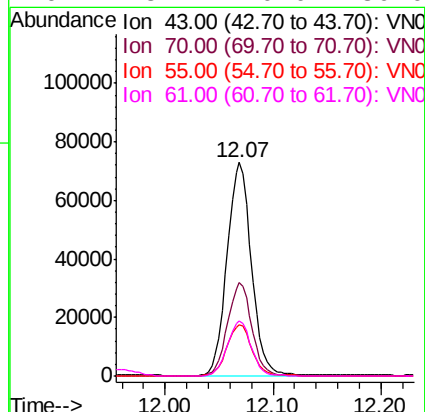
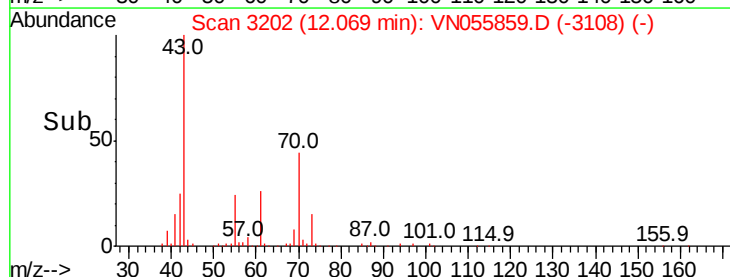
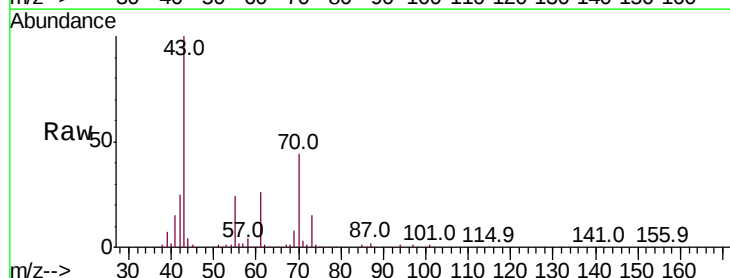
Ion Ratio Lower Upper

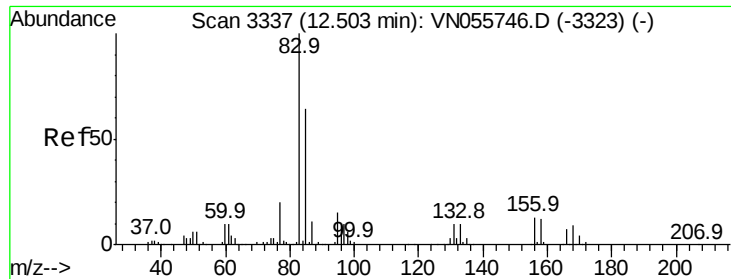
43 100

70 43.9 34.0 51.0

55 24.9 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.874 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

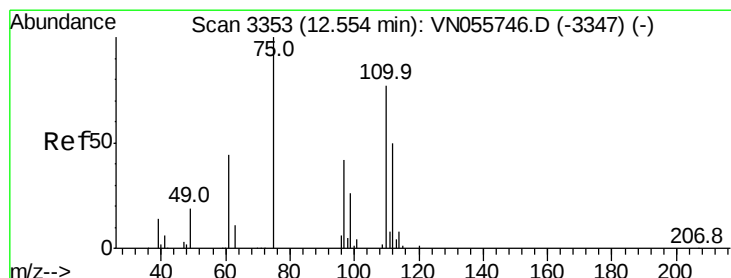
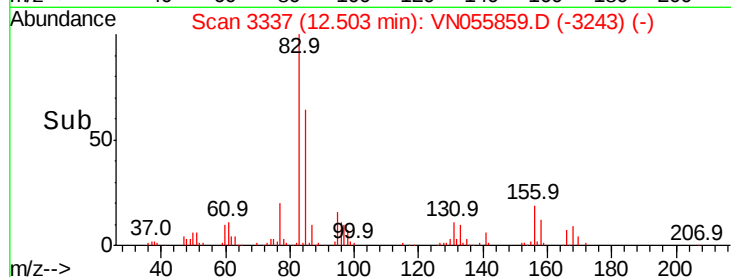
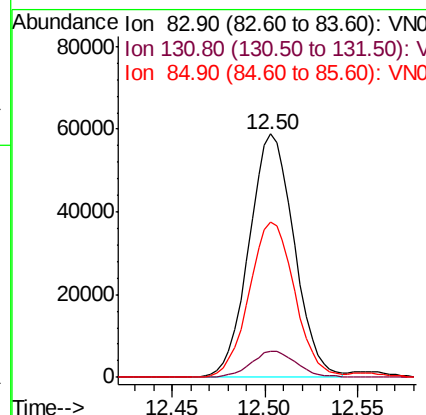
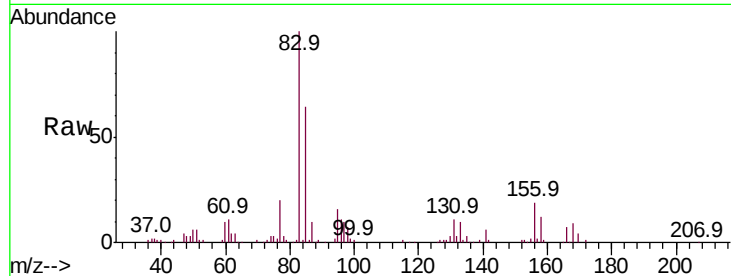
ClientSampleId :

VN0528MBSD01

Tot Ion:	83	Resp:	99100
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.4	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.134 ug/l m

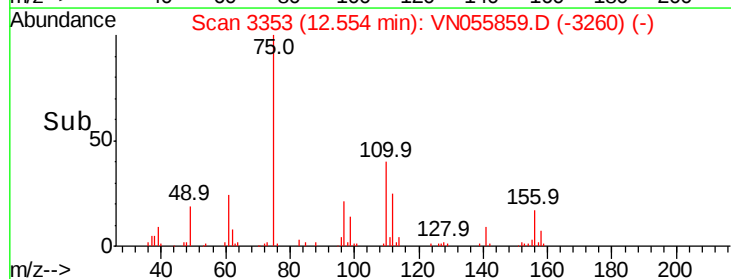
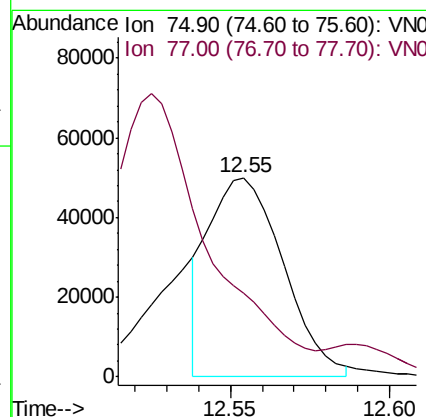
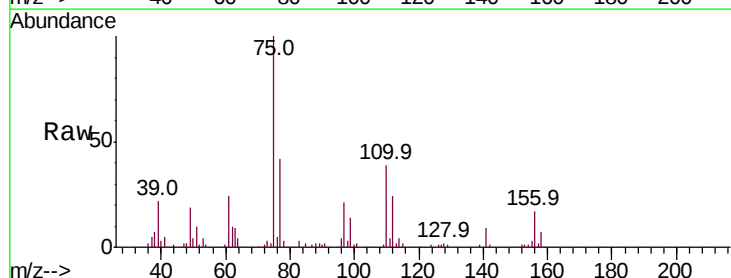
RT: 12.55 min Scan# 3353

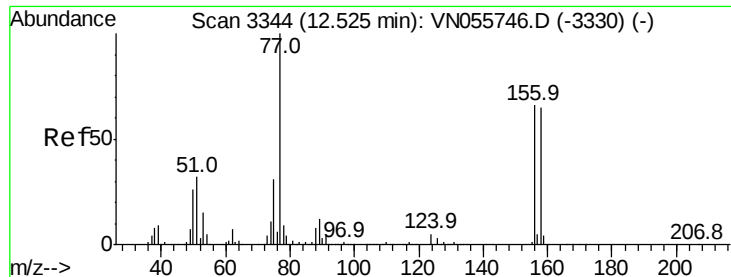
Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion:	75	Resp:	81514
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 29.122 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

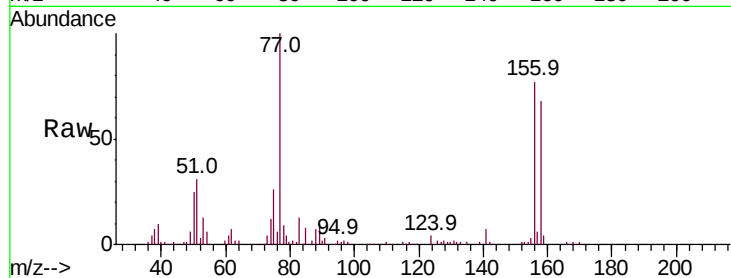
ClientSampleId :

VN0528MBSD01

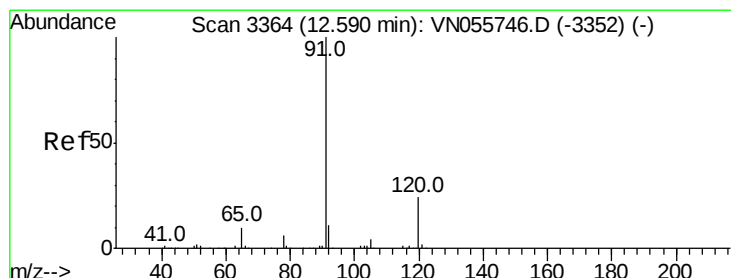
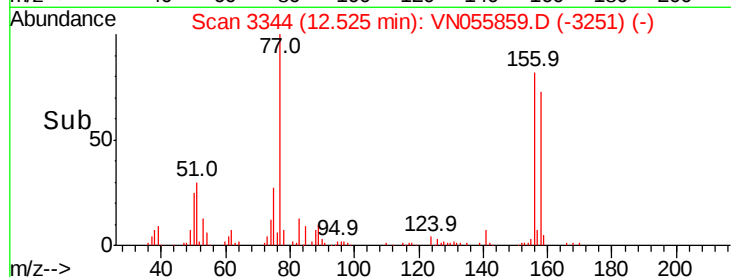
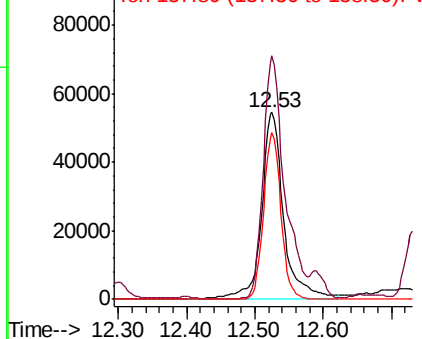
Tot Ion:	156	Resp:	123146
Ion Ratio	Lower	Upper	
156	100		
77	125.2	90.8	272.5
158	69.4	49.3	147.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.031 ug/l

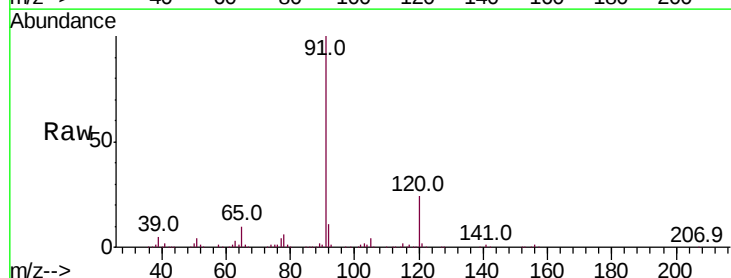
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

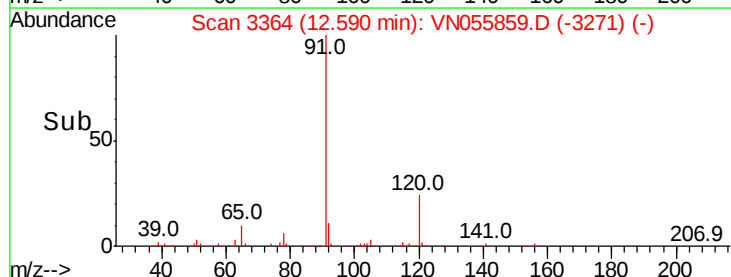
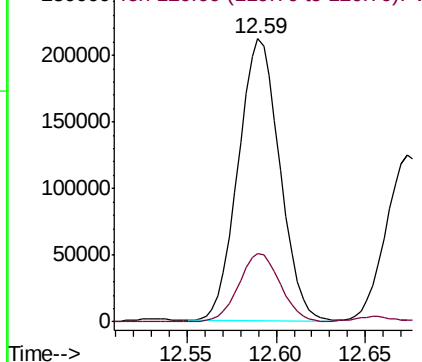
Lab File: VN055859.D

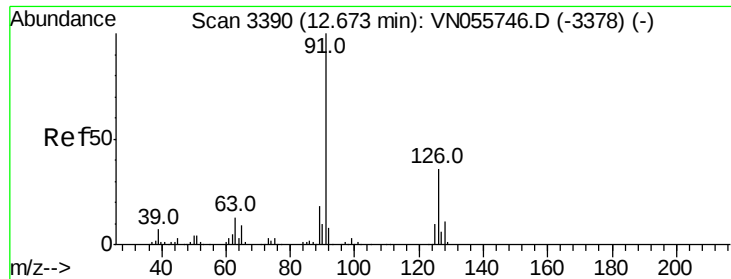
Acq: 28 May 2019 17:52

Tgt Ion:	91	Resp:	345004
Ion Ratio	Lower	Upper	
91	100		
120	24.4	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.598 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBSD01

Tot Ion: 91 Resp: 213803

Ion Ratio Lower Upper

91 100

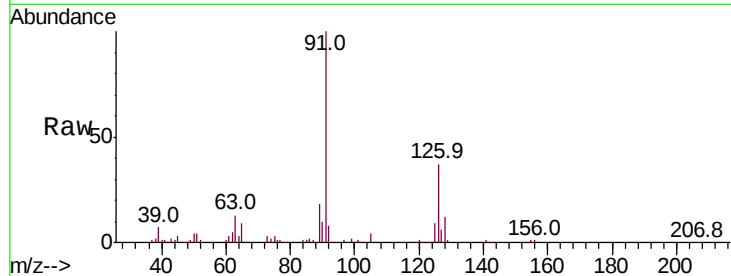
126 36.8 18.1 54.4

Manual Integrations

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MMDadoda

5/29/2019 11:10:03 AM



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

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

150000

100000

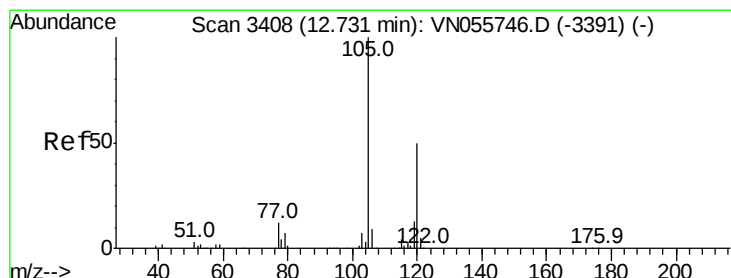
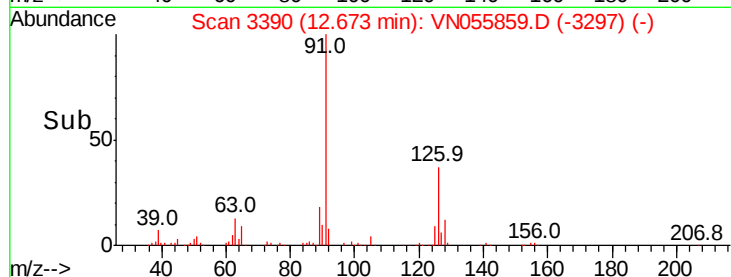
50000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.591 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055859.D

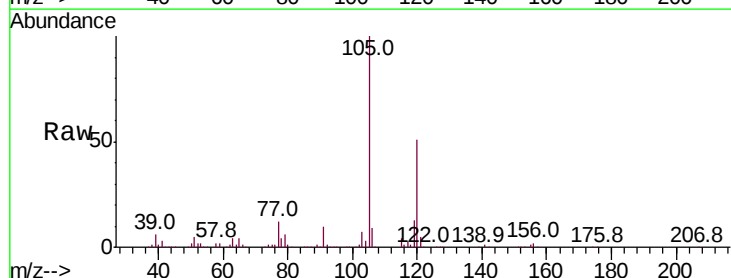
Acq: 28 May 2019 17:52

Tgt Ion:105 Resp: 273434

Ion Ratio Lower Upper

105 100

120 50.8 24.7 74.1



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

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

200000

150000

100000

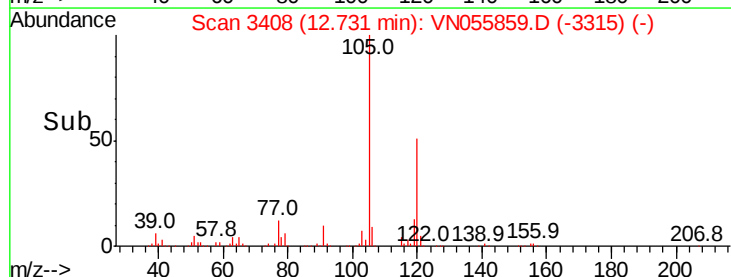
50000

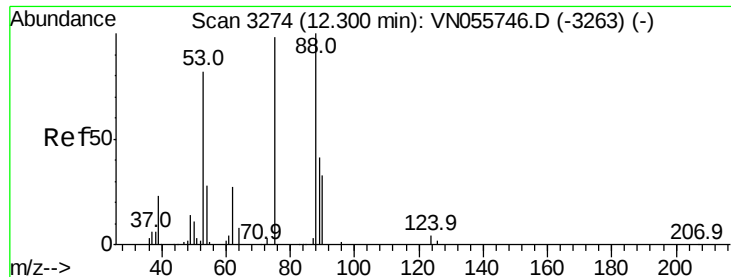
0

12.70 12.75 12.80

12.73

Time-->





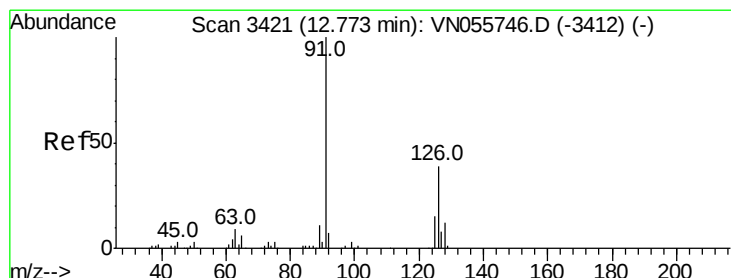
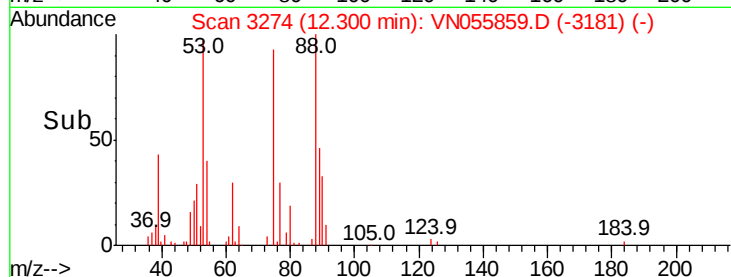
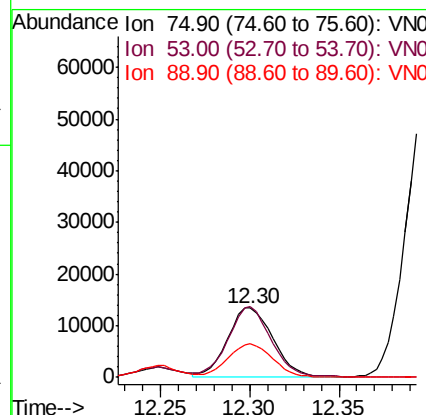
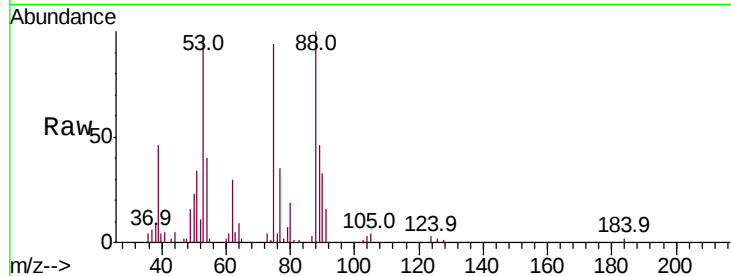
#81
trans-1,4-Dichloro-2-butene
Concen: 15.764 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	68.1	102.1
89	49.0	36.9	55.3

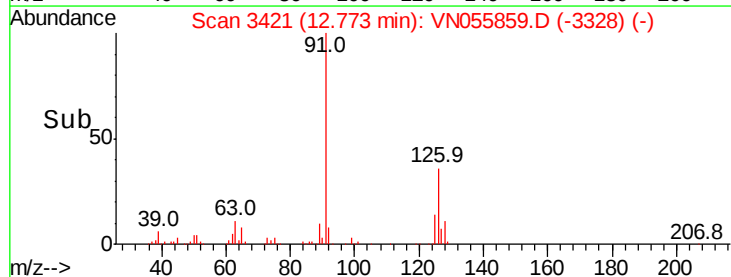
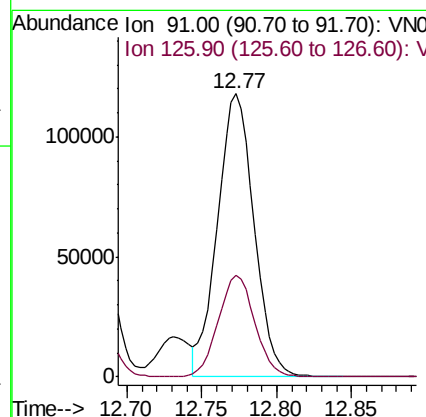
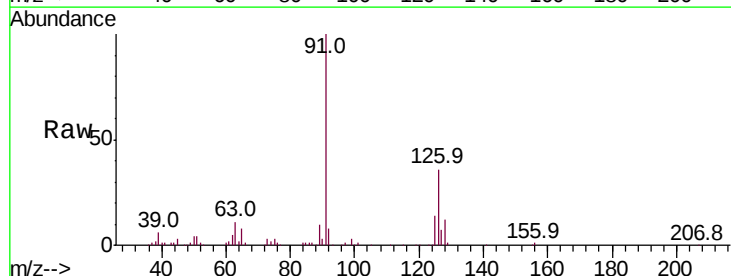
Manual Integrations
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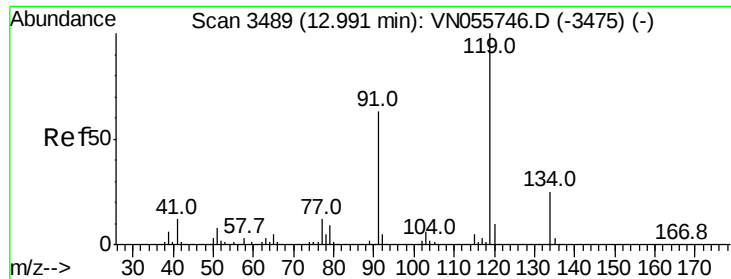
MMDadoda
5/29/2019 11:10:03 AM



#82
4-Chlorotoluene
Concen: 19.752 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	17.8	53.3





#83

tert-Butylbenzene

Concen: 21.755 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

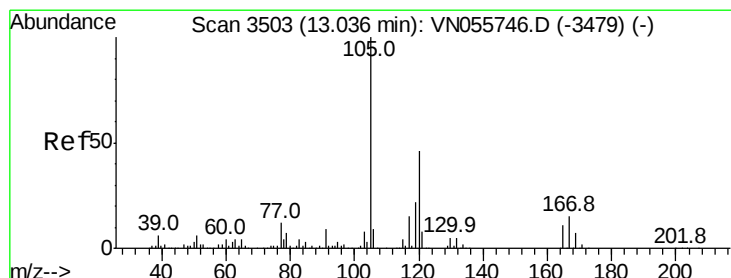
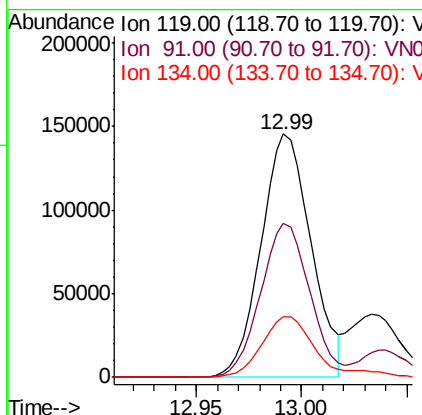
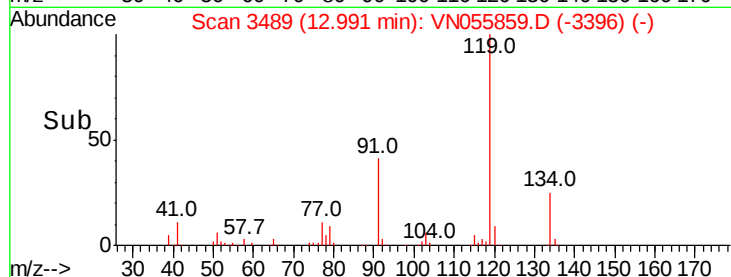
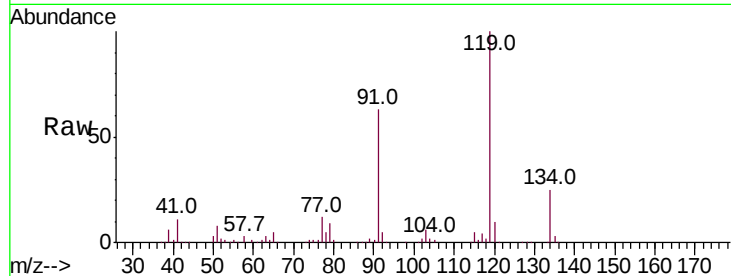
ClientSampleId :

VN0528MBSD01

Tot Ion:	119	Resp:	240654
Ion Ratio	Lower	Upper	
119	100		
91	62.2	30.9	92.8
134	27.0	13.3	39.8

Manual Integrations
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5/29/2019 11:10:03 AM



#84

1,2,4-Trimethylbenzene

Concen: 22.254 ug/l

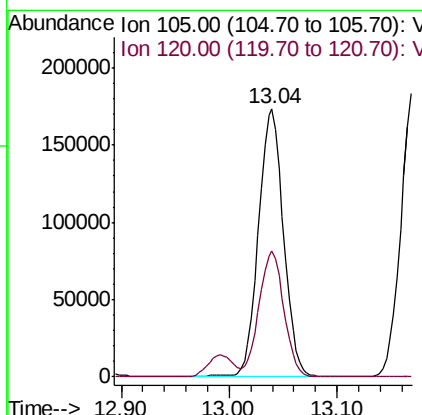
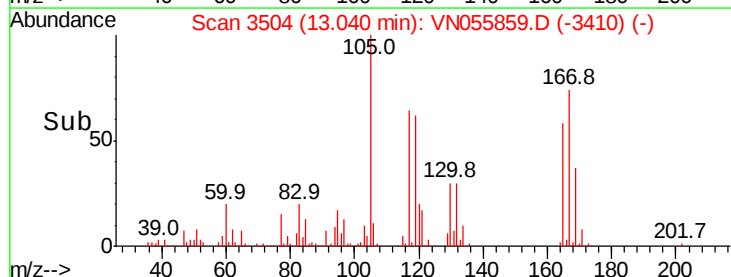
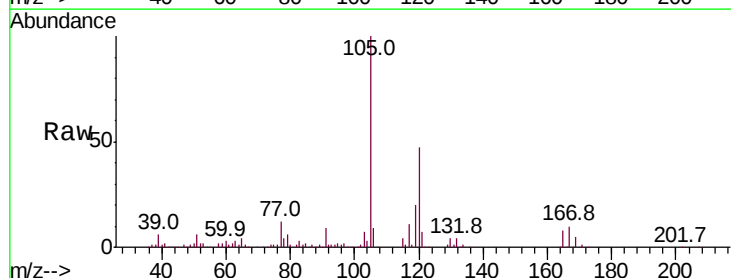
RT: 13.04 min Scan# 3504

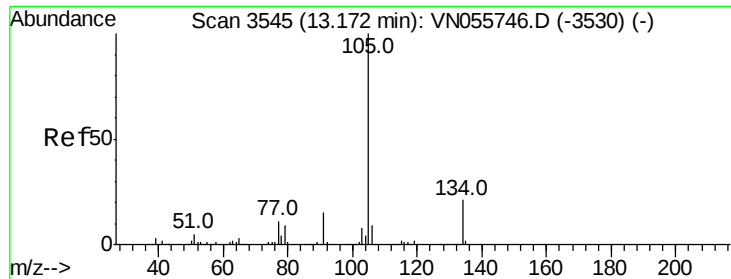
Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion:	105	Resp:	278998
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.0	69.0





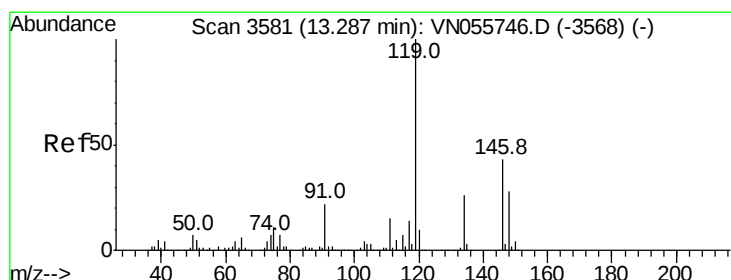
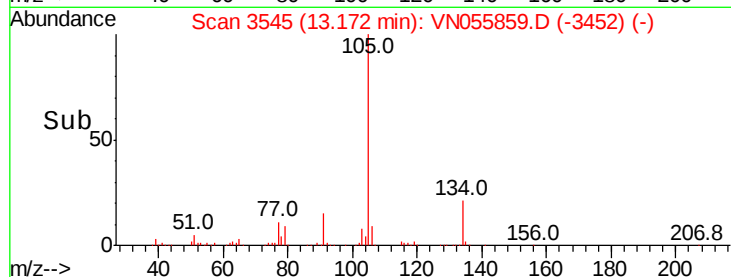
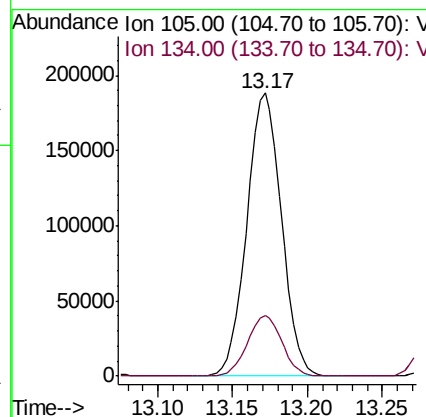
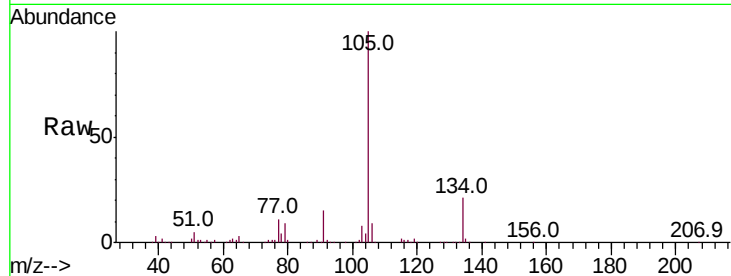
#85
 sec-Butylbenzene
 Concen: 21.426 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.4	31.2

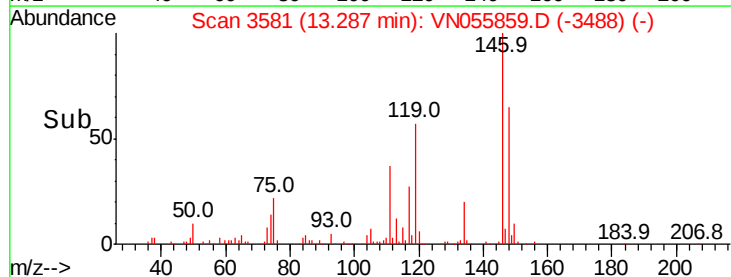
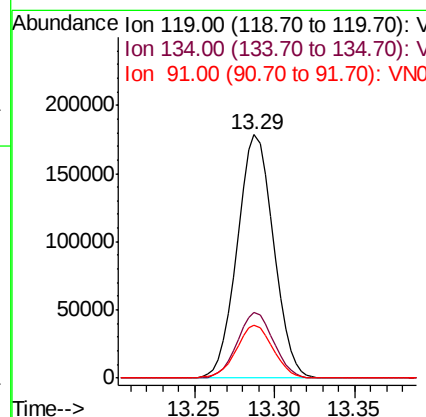
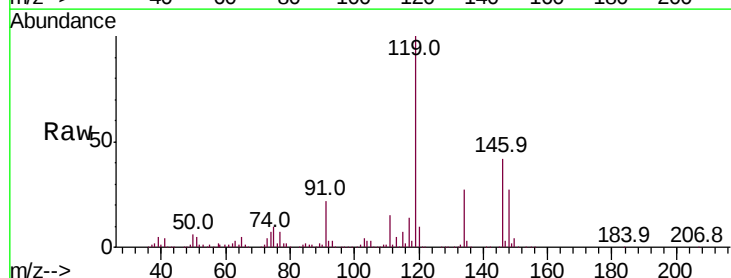
Manual Integrations
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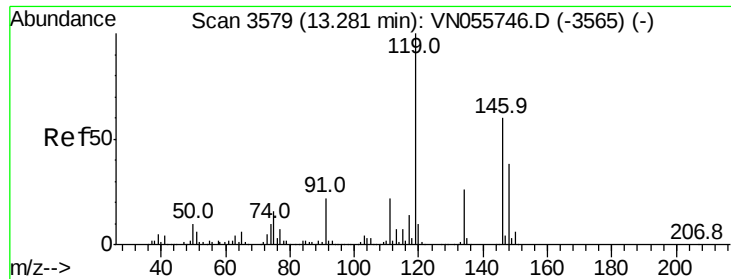
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 19.969 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	21.4	10.9	32.9





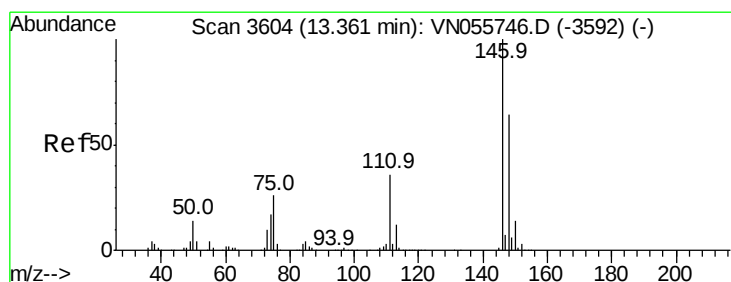
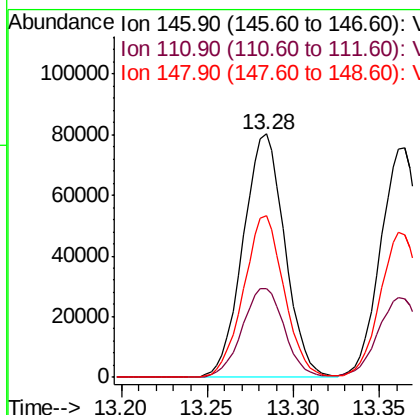
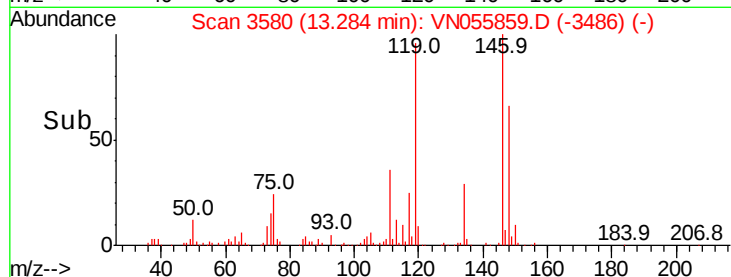
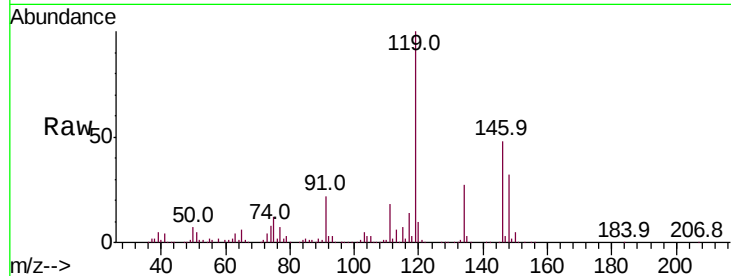
#87
 1,3-Dichlorobenzene
 Concen: 20.123 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	64.5	32.0	96.2

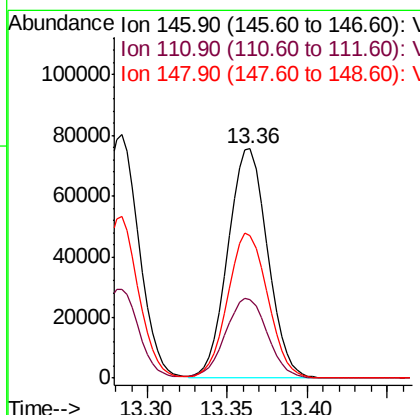
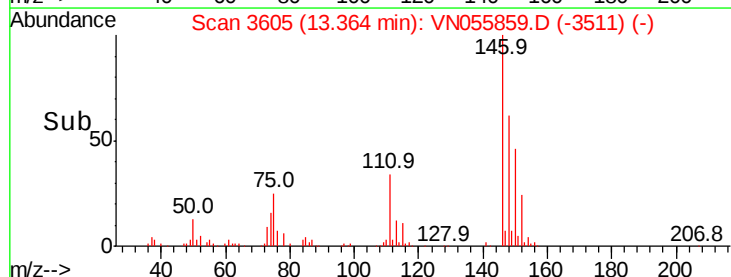
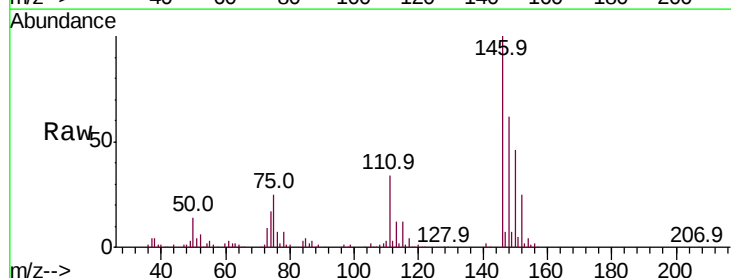
Manual Integrations
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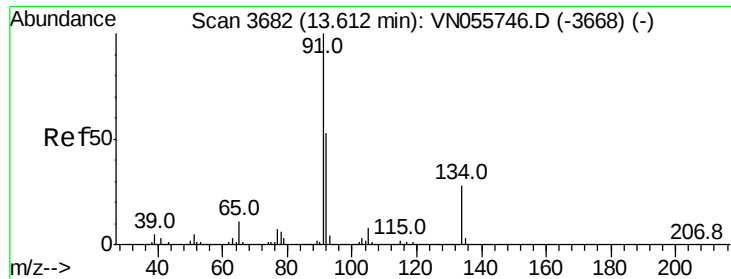
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#88
 1,4-Dichlorobenzene
 Concen: 20.128 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	63.7	32.1	96.5





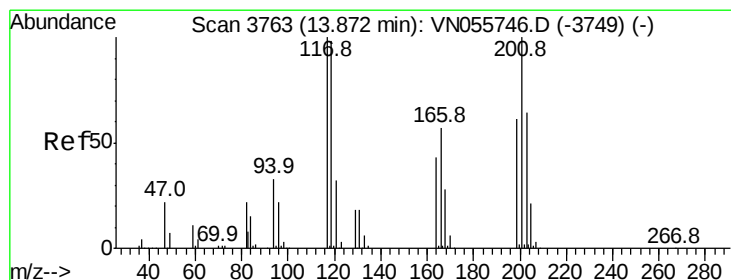
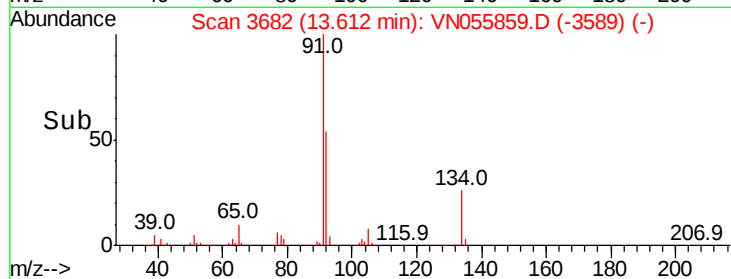
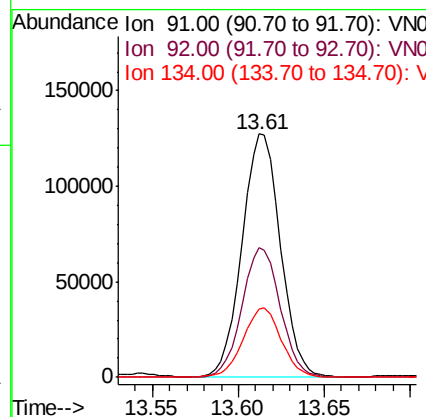
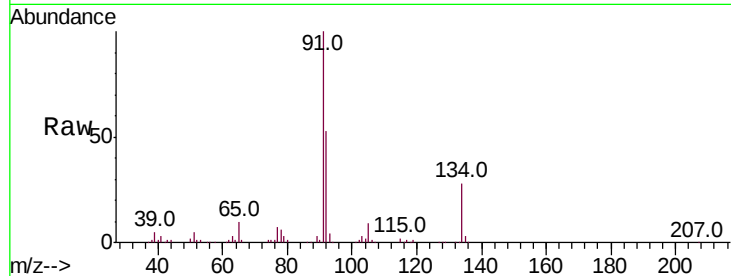
#89
n-Butylbenzene
Concen: 18.597 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	196090		
92	53.6	26.4	79.0	
134	28.9	13.9	41.7	

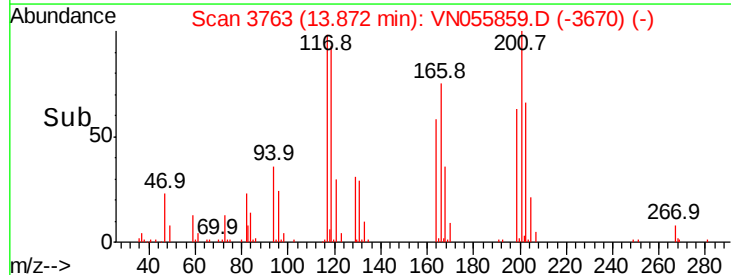
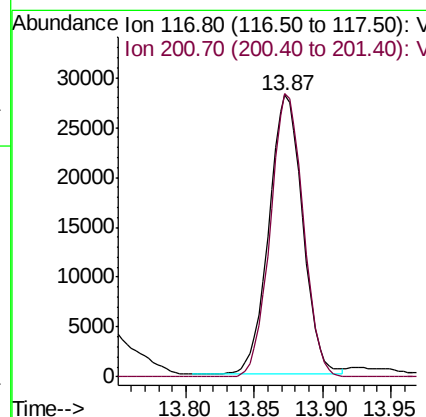
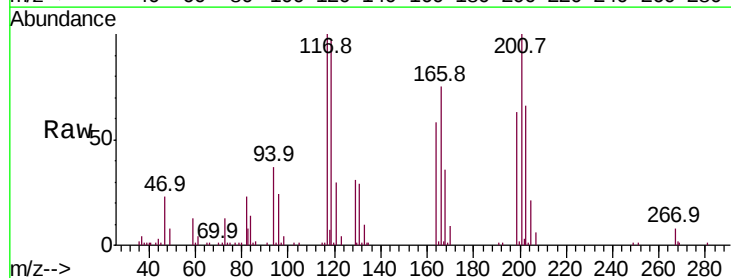
Manual Integrations
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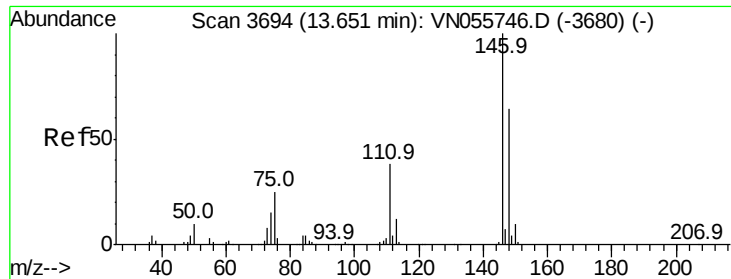
MMDadoda
5/29/2019 11:10:03 AM



#90
Hexachloroethane
Concen: 18.422 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055859.D
Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48254		
201	98.4	50.0	150.0	





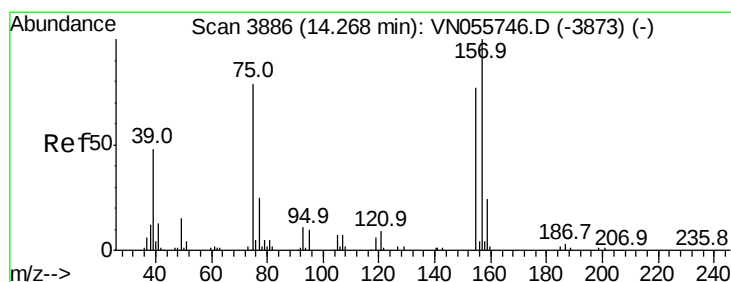
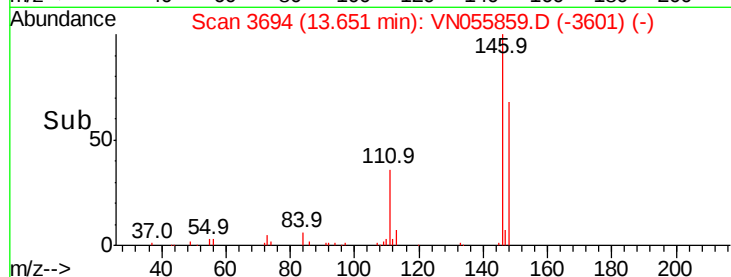
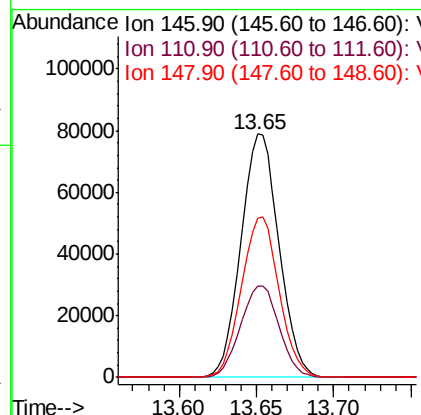
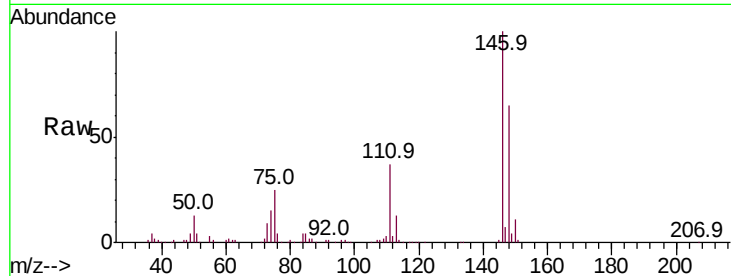
#91
 1,2-Dichlorobenzene
 Concen: 20.151 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0528MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	65.1	31.9	95.9

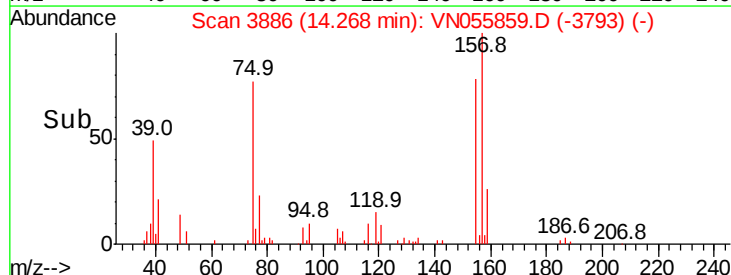
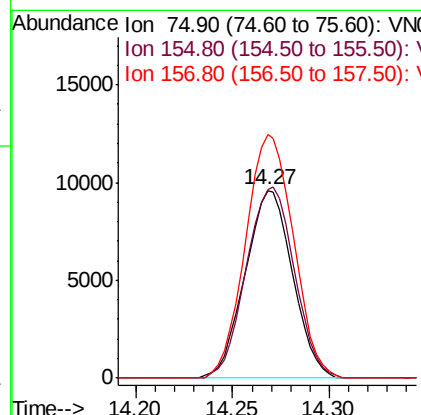
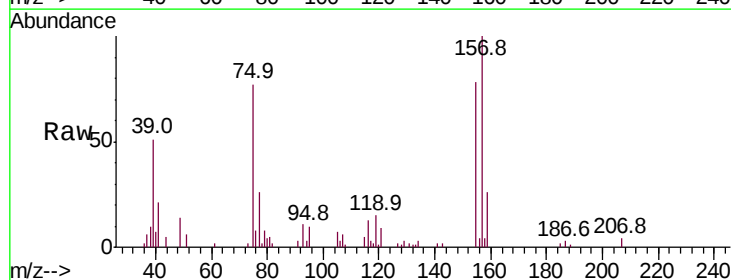
Manual Integrations
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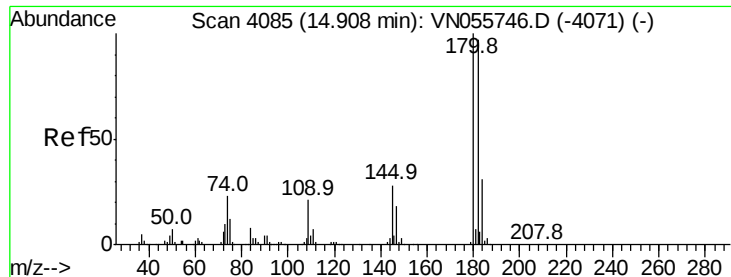
MMDadoda
 5/29/2019 11:10:03 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.626 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.8	50.0	150.1
157	131.5	64.8	194.3





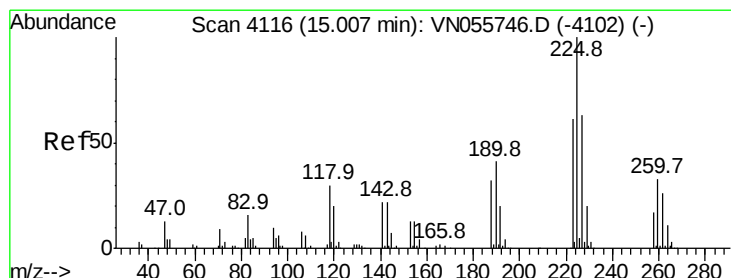
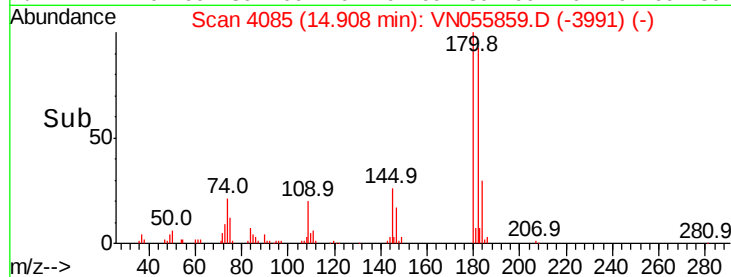
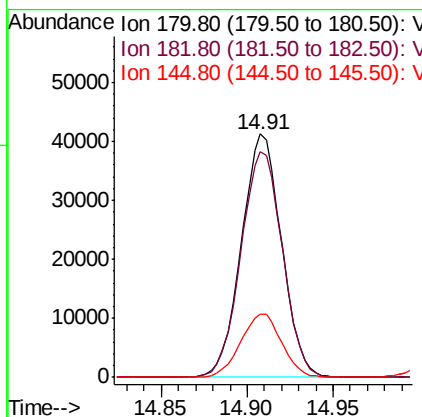
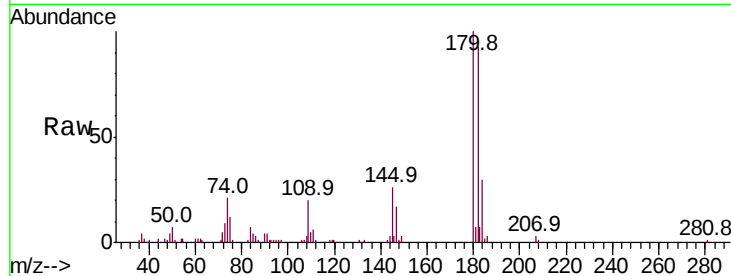
#93
 1,2,4-Trichlorobenzene
 Concen: 19.739 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66744		
182	95.8	48.3	144.9	
145	26.6	14.0	41.9	

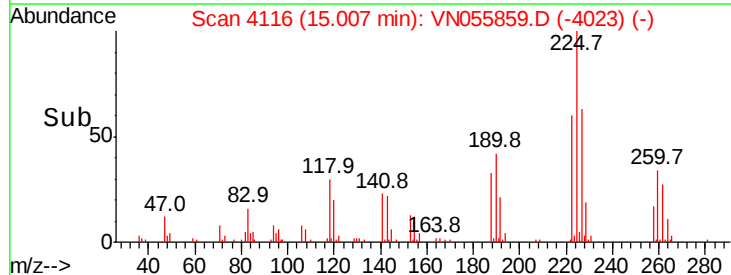
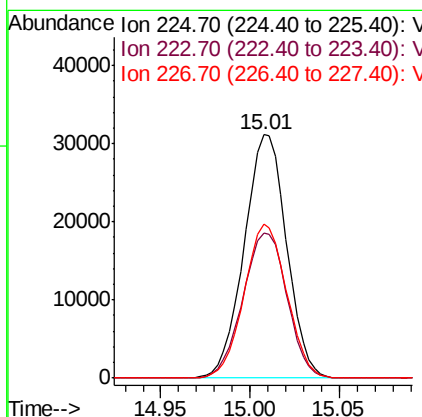
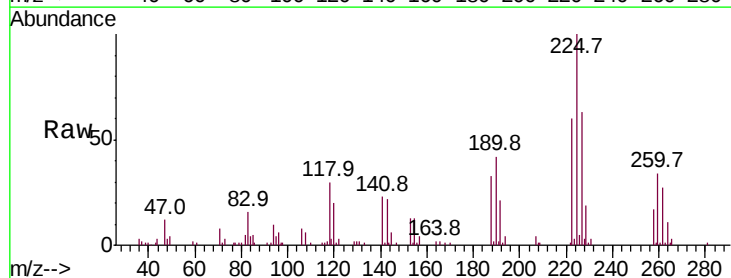
Manual Integrations
 APPROVED

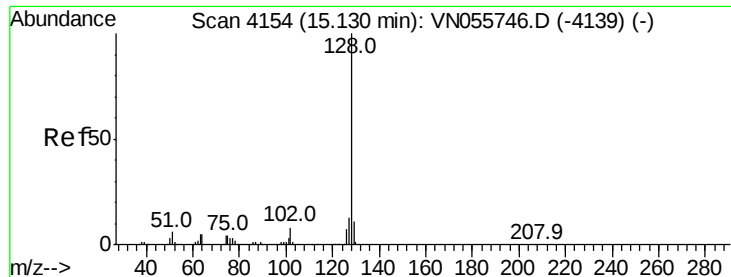
MMDadoda
 5/29/2019 11:10:03 AM



#94
 Hexachlorobutadiene
 Concen: 20.980 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055859.D
 Acq: 28 May 2019 17:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51815		
223	62.0	30.9	92.7	
227	63.1	31.6	94.7	





#95

Naphthalene

Concen: 37.760 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Instrument :

MSVOA_N

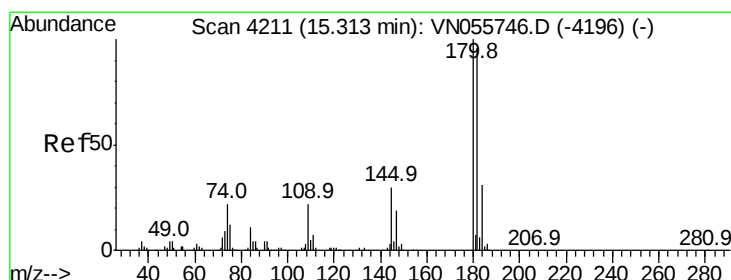
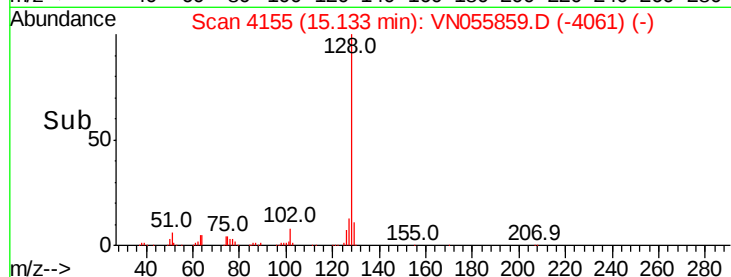
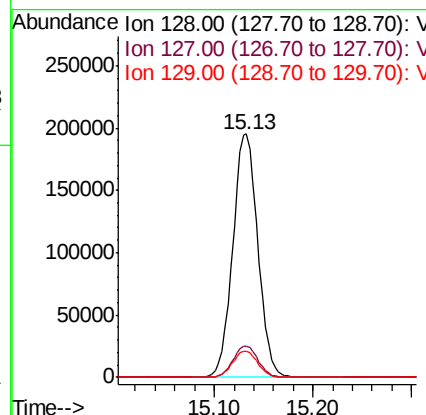
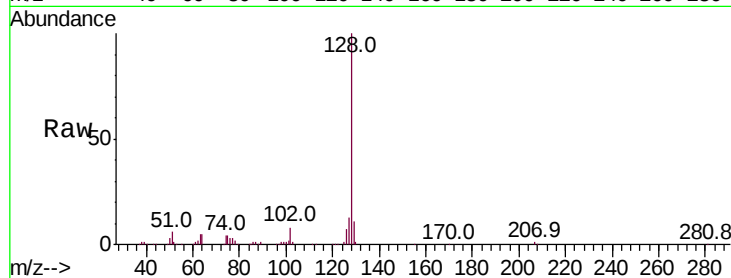
ClientSampleId :

VN0528MBSD01

Tot Ion:	128	Resp:	346141
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:10:03 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.011 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055859.D

Acq: 28 May 2019 17:52

Tgt Ion:	180	Resp:	74194
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.9	143.7
145	28.7	14.9	44.7

