

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055787.D
 Acq On : 24 May 2019 11:32
 Operator : JC/SP
 Sample : VN0524WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:35:37 AM

Quant Time: May 25 04:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	60400	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	319541	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	282149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	113140	28.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.53%
60) 4-Bromofluorobenzene	12.40	95	125374	28.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.20%
63) Toluene-d8	10.09	98	382723	29.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	48303	18.240 ug/l	98
3) Chloromethane	2.06	50	67737	17.982 ug/l	100
4) Vinyl Chloride	2.18	62	73216	19.044 ug/l	100
5) Bromomethane	2.54	94	49859	22.151 ug/l	97
6) Chloroethane	2.69	64	45694	20.345 ug/l	96
7) Trichlorofluoromethane	3.01	101	95505	19.801 ug/l	100
8) Diethyl Ether	3.40	74	43118	20.336 ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58868	19.316 ug/l	98
10) 1,1-Dichloroethene	3.72	96	60899	19.102 ug/l	97
11) Methyl Iodide	3.94	142	90013	19.792 ug/l	100
12) Methyl Acetate	4.33	43	67207	17.236 ug/l	98
13) Acrolein	3.60	56	51194	94.493 ug/l	99
14) Acrylonitrile	4.99	53	163752	92.117 ug/l	99
15) Acetone	3.82	58	52086	94.344 ug/l	96
16) Carbon Disulfide	4.04	76	164109	17.954 ug/l	100
17) Allyl chloride	4.31	41	100336	17.474 ug/l	97
18) Methylene Chloride	4.54	84	71603	19.610 ug/l	95
19) trans-1,2-Dichloroethene	5.03	96	65514	19.103 ug/l	97
20) Diisopropyl ether	5.95	45	199661	17.925 ug/l	100
21) 1,1-Dichloroethane	5.84	63	117118	18.604 ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	77173	19.294 ug/l	94
23) tert-Butyl Alcohol	4.81	59	70201	89.920 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	203187	18.783 ug/l	100
25) Chloroform	7.37	83	118496	19.058 ug/l	98
26) Cyclohexane	7.65	56	104576	18.007 ug/l	# 93
29) 1,1-Dichloropropene	7.79	75	87995	19.671 ug/l	99
30) 2-Butanone	6.84	43	223971	93.937 ug/l	98
31) 2,2-Dichloropropane	6.82	77	99726	19.158 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	104619	19.732 ug/l	99
33) Carbon Tetrachloride	7.77	117	91625	19.318 ug/l	98
34) Benzene	8.04	78	271502	19.659 ug/l	99
35) Methacrylonitrile	7.17	41	40982	18.622 ug/l	98
36) 1,2-Dichloroethane	8.12	62	88589	19.629 ug/l	100
37) Trichloroethene	8.83	130	77276	20.055 ug/l	97
38) Methylcyclohexane	9.08	83	108382	19.123 ug/l	97
39) 1,2-Dichloropropane	9.12	63	71012	19.127 ug/l	100
40) Dibromomethane	9.21	93	47607	19.858 ug/l	99

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Instrument :
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Manual Integrations
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MMDadoda
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Quant Time: May 25 04:37:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N052219W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 23 05:54:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	92448	18.815	ug/l	99
42) Vinyl Acetate	5.90	43	861405	93.054	ug/l	99
43) Ethyl Acetate	6.93	43	86408	18.437	ug/l #	100
44) Isopropyl Acetate	8.17	43	141599	18.246	ug/l #	89
45) 1,4-Dioxane	9.20	88	30141	412.833	ug/l	97
46) Methyl methacrylate	9.20	41	65192	18.005	ug/l	98
47) n-amyl Acetate	12.07	43	112924	17.592	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	97189	17.919	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	109732	18.484	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	68952	19.756	ug/l	99
51) Ethyl methacrylate	10.43	69	106410	18.916	ug/l	98
52) 1,3-Dichloropropane	10.71	76	110498	19.208	ug/l	99
53) Dibromochloromethane	10.90	129	78550	19.052	ug/l	98
54) 1,2-Dibromoethane	11.00	107	71031	19.668	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	190843	87.191	ug/l	98
56) Bromoform	12.13	173	60419	17.865	ug/l #	96
58) 4-Methyl-2-Pentanone	9.99	43	432927	92.687	ug/l	98
59) 2-Hexanone	10.75	43	302213	90.503	ug/l	98
61) Tetrachloroethene	10.63	164	80177	20.992	ug/l	99
62) Toluene	10.16	91	304225	20.051	ug/l	99
64) Chlorobenzene	11.43	112	186224	20.233	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	72753	19.618	ug/l	99
66) Ethyl Benzene	11.51	91	327614	19.762	ug/l	100
67) m/p-Xylenes	11.62	106	251875	39.995	ug/l	99
68) o-Xylene	11.95	106	125694	20.169	ug/l	100
69) Styrene	11.96	104	198532	19.310	ug/l	99
70) Isopropylbenzene	12.25	105	326374	20.016	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	95624	19.056	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	85162m	19.719	ug/l	
73) Bromobenzene	12.53	156	85593	19.842	ug/l	95
74) n-propylbenzene	12.59	91	342858	19.496	ug/l	99
75) 2-Chlorotoluene	12.67	91	212339	19.767	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	270695	20.084	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	28248	16.466	ug/l	96
78) 4-Chlorotoluene	12.77	91	194381	19.093	ug/l	98
79) tert-butylbenzene	12.99	119	240789	20.322	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	265013	19.807	ug/l	100
81) sec-Butylbenzene	13.17	105	300634	19.970	ug/l	99
82) p-Isopropyltoluene	13.29	119	272970	19.702	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	130498	19.298	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	119978	18.631	ug/l	99
85) n-Butylbenzene	13.61	91	198437	18.410	ug/l	99
86) Hexachloroethane	13.87	117	49025	17.990	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	132346	19.437	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16111	16.940	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	58338	15.872	ug/l	99
90) Hexachlorobutadiene	15.01	225	50288	18.337	ug/l	98
91) Naphthalene	15.13	128	163074	16.238	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	65446	17.037	ug/l	100

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Instrument :
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ClientSampleId :
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QLast Update : Thu May 23 05:54:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

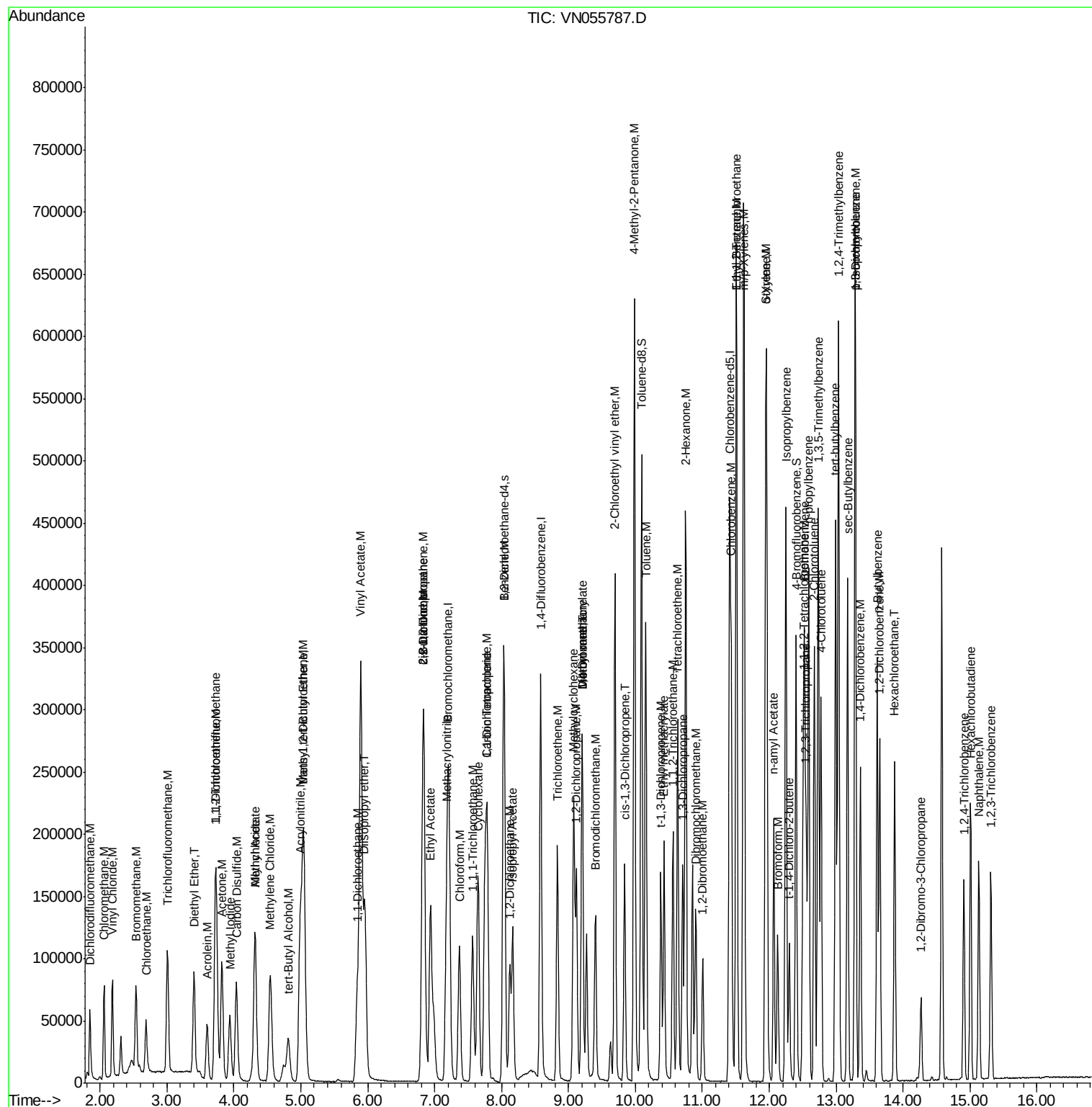
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Data File : VN055787.D
Acq On : 24 May 2019 11:32
Operator : JC/SP
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ALS Vial : 8 Sample Multiplier: 1

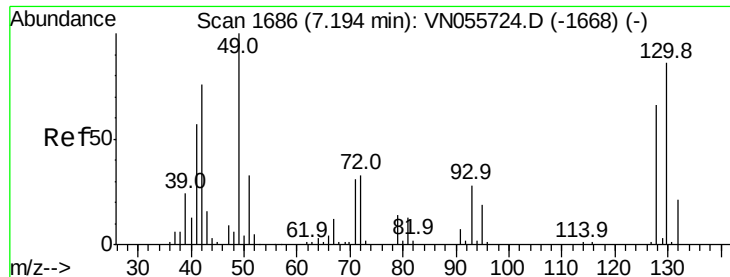
Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Manual Integrations
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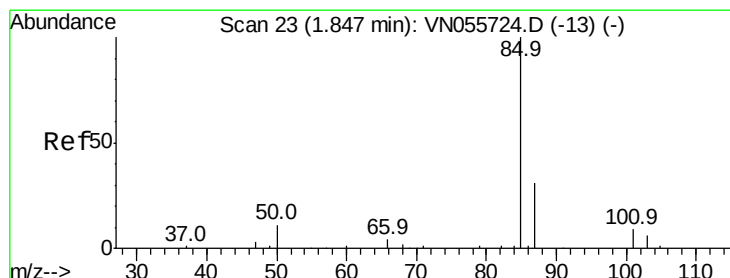
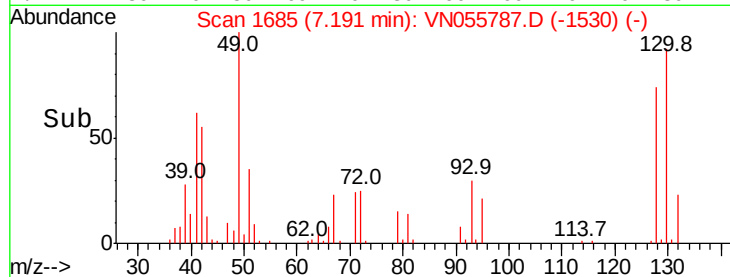
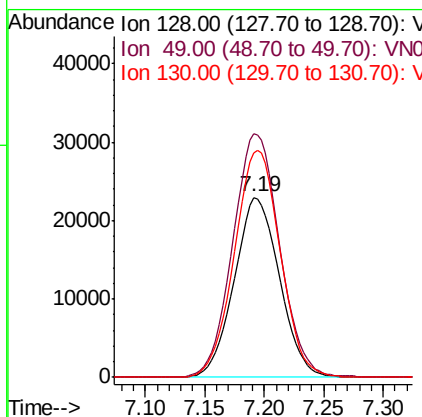
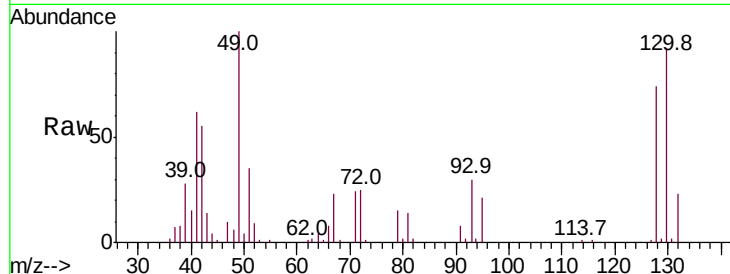
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
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 VN0524WBS01

Tot Ion:	128	Resp:	60400
Ion	Ratio	Lower	Upper
128	100		
49	139.8	0.0	383.2
130	128.1	0.0	326.3

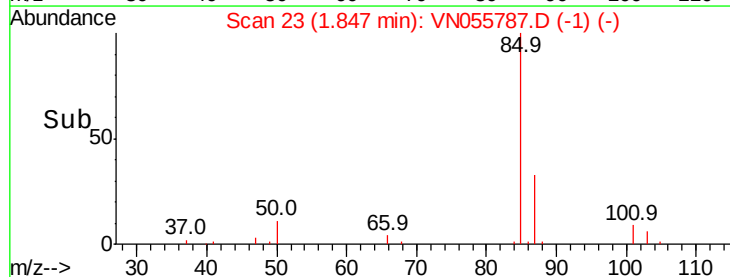
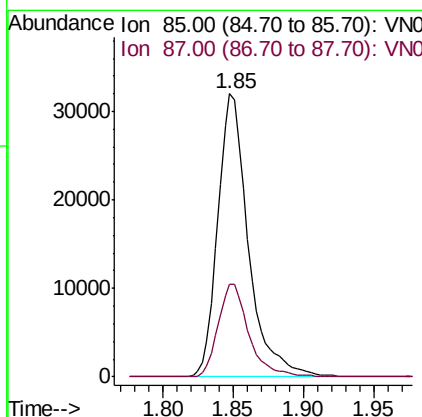
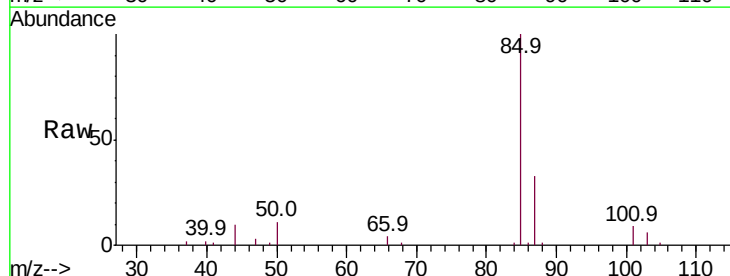
Manual Integrations
 APPROVED

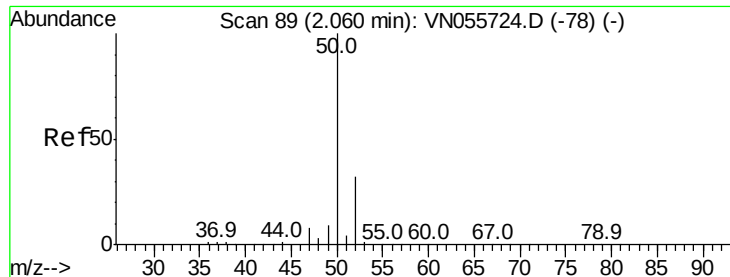
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 5/28/2019 10:35:37 AM



#2
 Dichlorodifluoromethane
 Concen: 18.240 ug/l
 RT: 1.85 min Scan# 23
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion:	85	Resp:	48303
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.7	47.0





#3

Chloromethane

Concen: 17.982 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion: 50 Resp: 67737

Ion Ratio Lower Upper

50 100

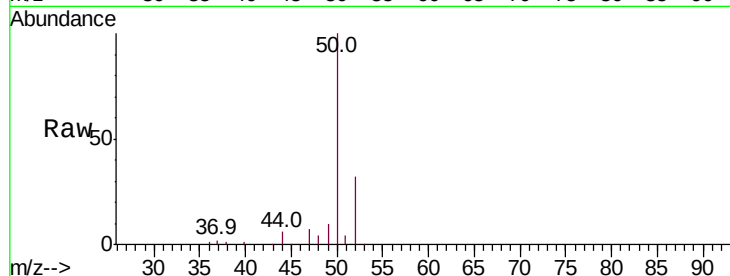
52 31.8 25.4 38.2

Manual Integrations

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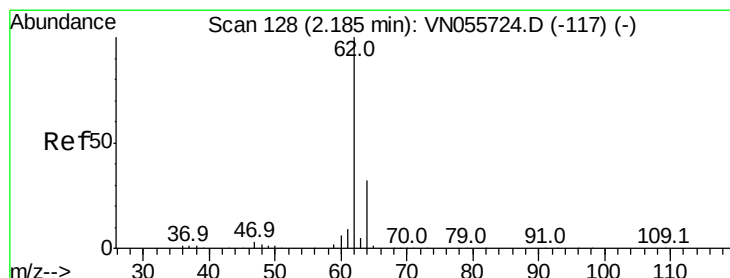
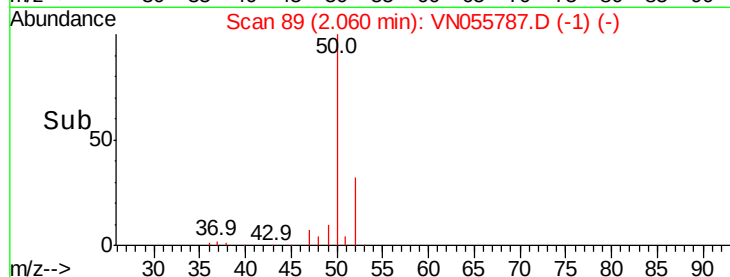
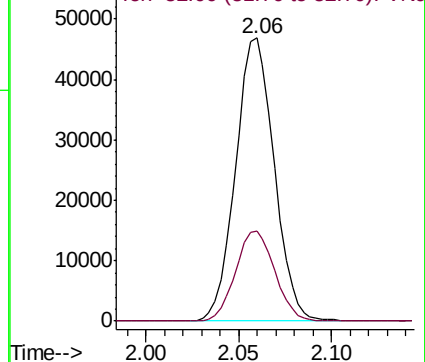
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.044 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055787.D

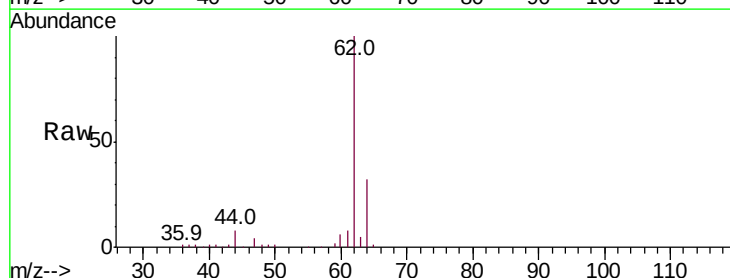
Acq: 24 May 2019 11:32

Tgt Ion: 62 Resp: 73216

Ion Ratio Lower Upper

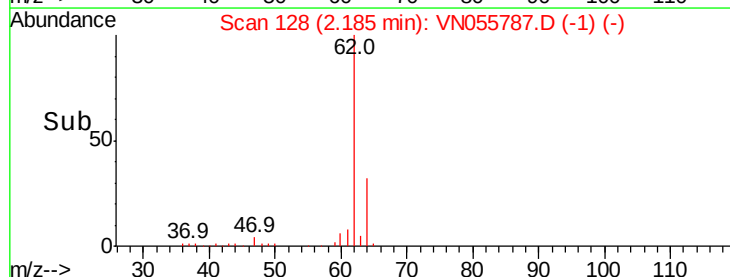
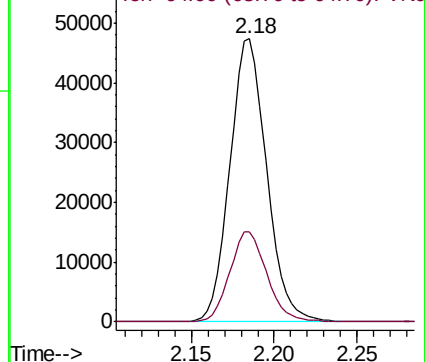
62 100

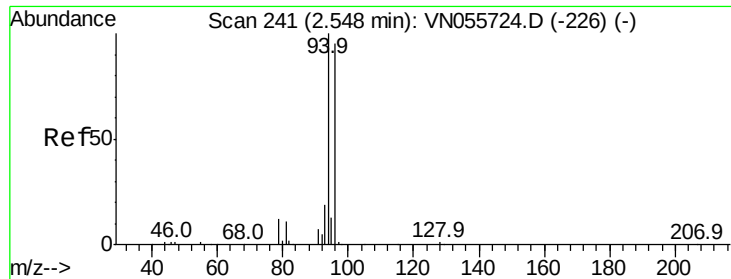
64 32.0 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.151 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion: 94 Resp: 49859

Ion Ratio Lower Upper

94 100

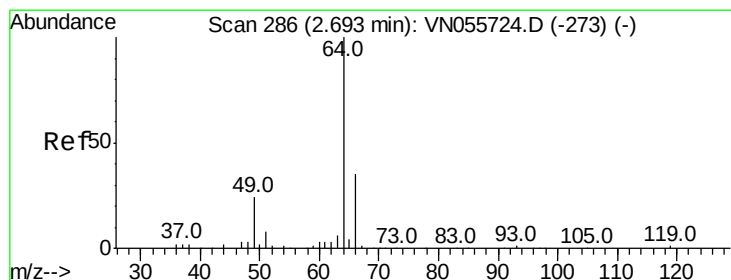
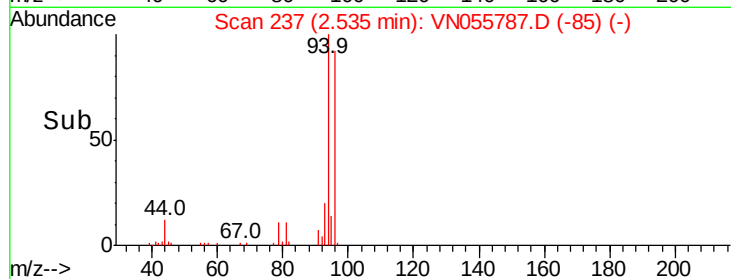
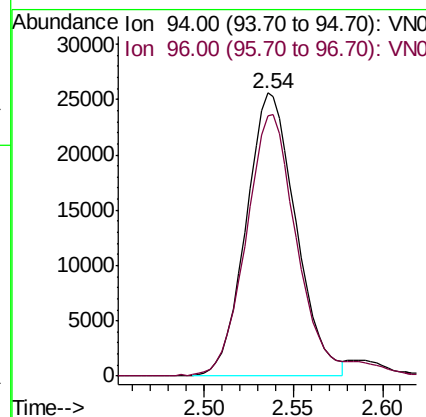
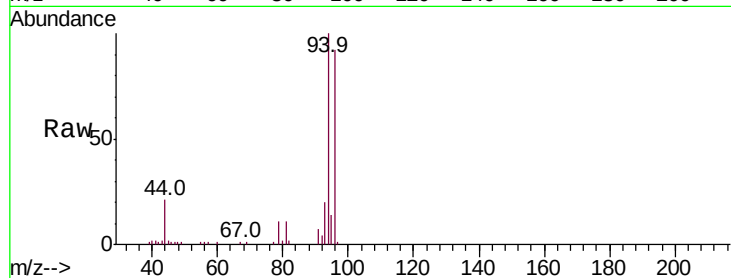
96 91.5 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 20.345 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.01 min

Lab File: VN055787.D

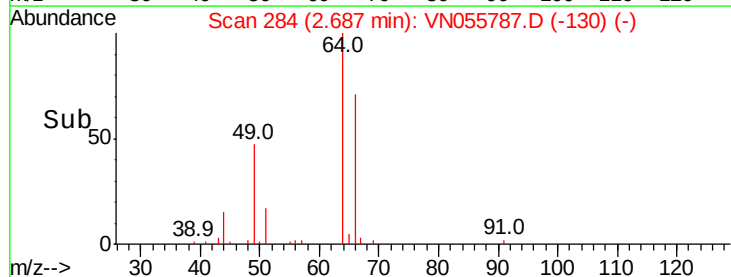
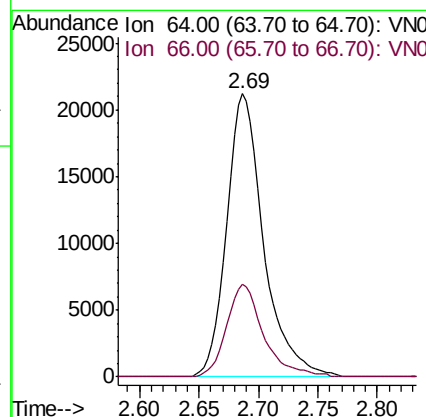
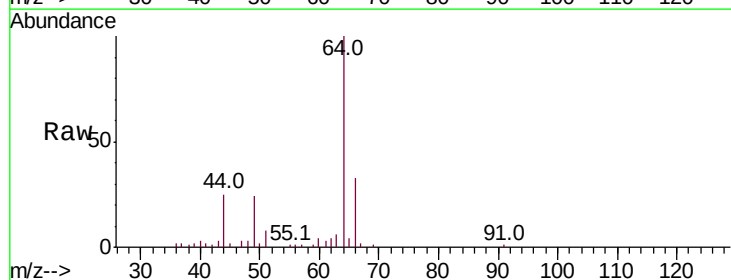
Acq: 24 May 2019 11:32

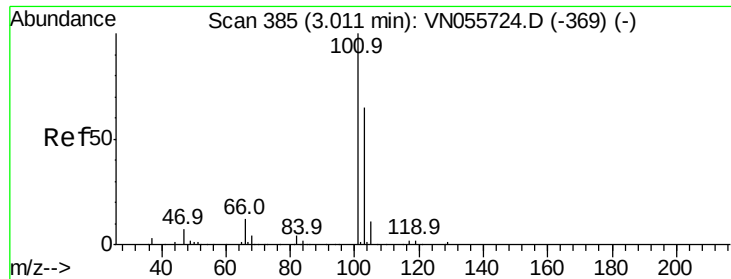
Tgt Ion: 64 Resp: 45694

Ion Ratio Lower Upper

64 100

66 32.6 27.9 41.9





#7

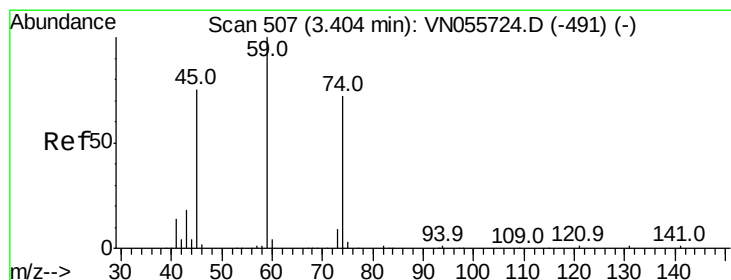
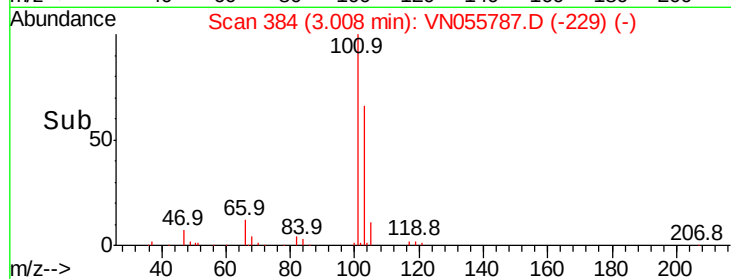
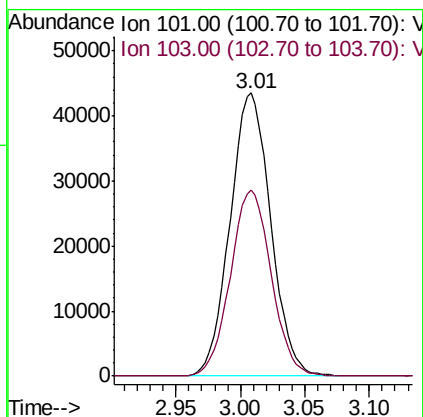
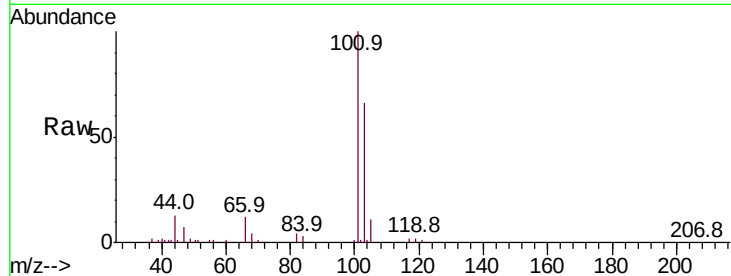
Trichlorofluoromethane
 Concen: 19.801 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.6	78.8

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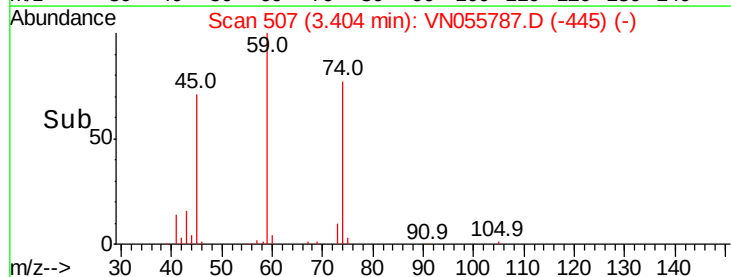
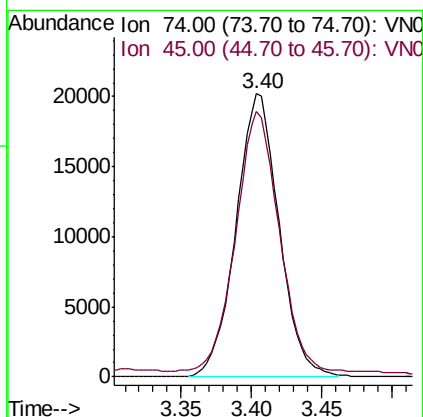
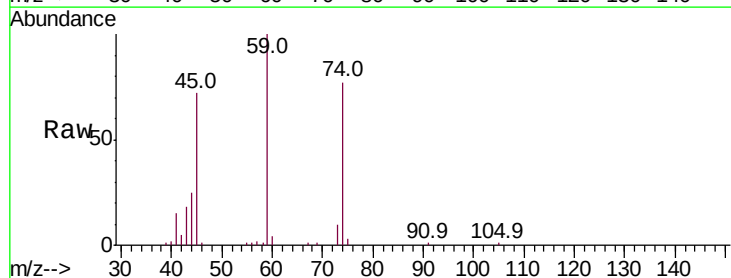
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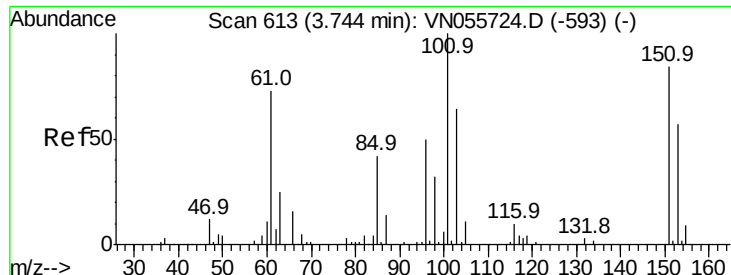


#8

Diethyl Ether
 Concen: 20.336 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	20.4	184.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.316 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

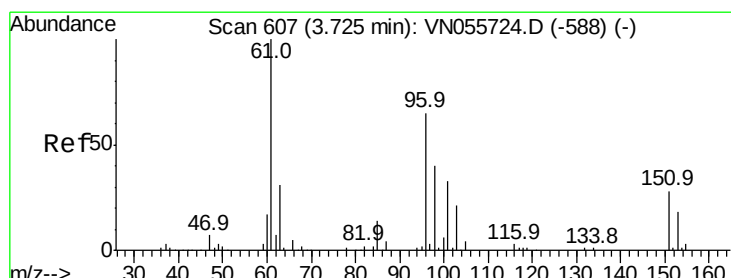
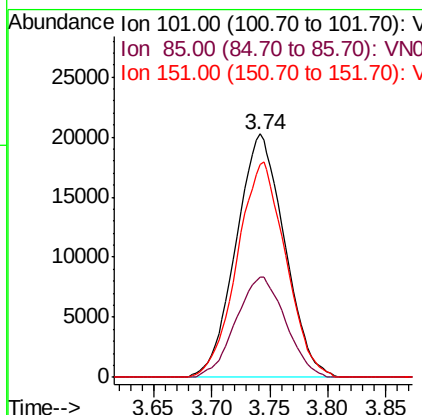
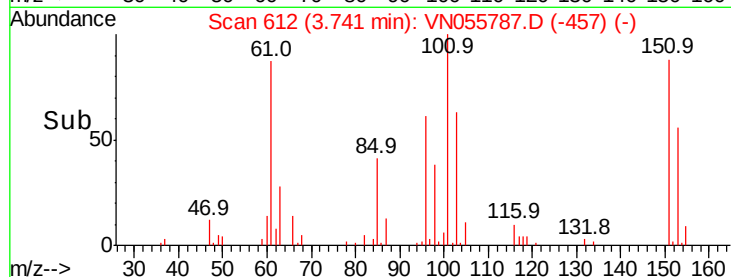
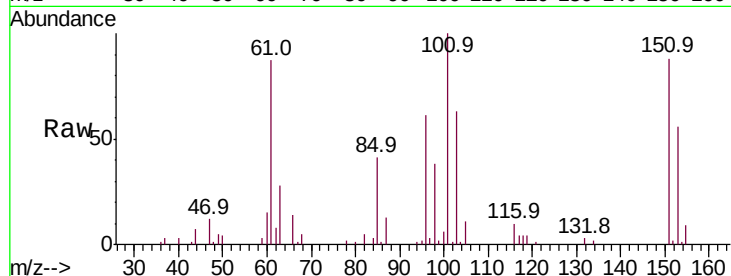
ClientSampled :

VN0524WBS01

Tot Ion:	101	Resp:	58868
Ion Ratio	Lower	Upper	
101	100		
85	42.0	0.0	86.6
151	88.5	0.0	172.2

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5/28/2019 10:35:37 AM



#10

1,1-Dichloroethene

Concen: 19.102 ug/l

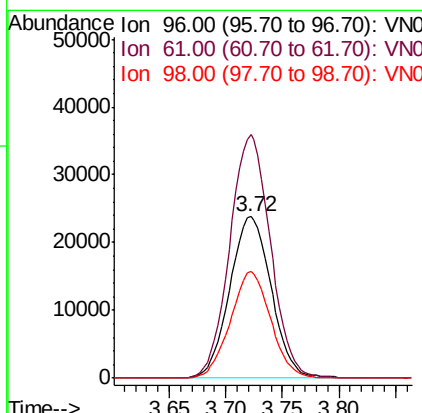
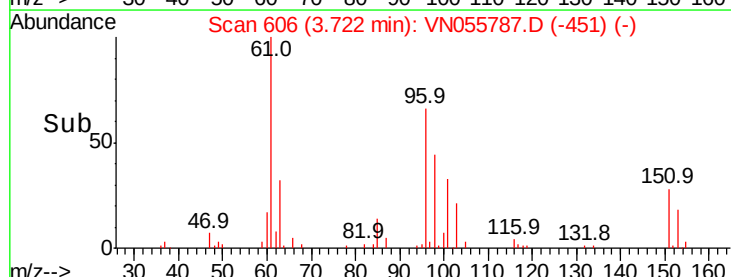
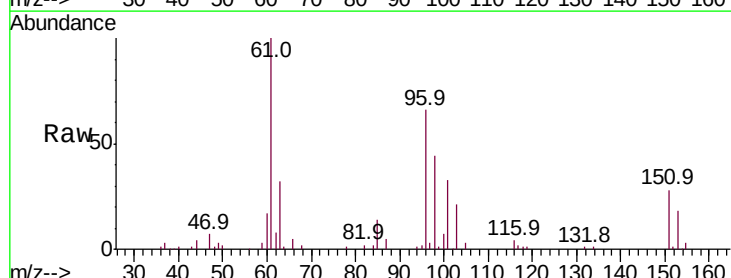
RT: 3.72 min Scan# 606

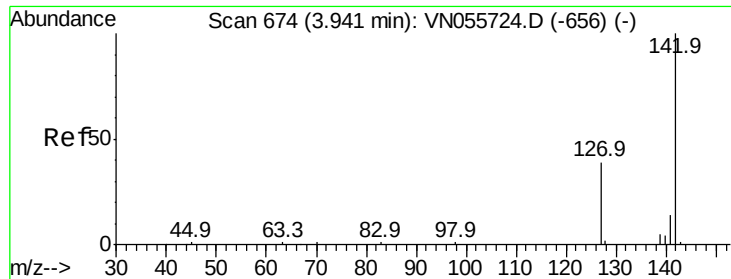
Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	96	Resp:	60899
Ion Ratio	Lower	Upper	
96	100		
61	150.9	123.7	185.5
98	66.2	50.0	75.0





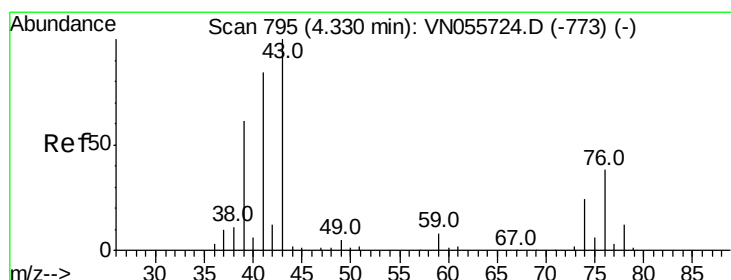
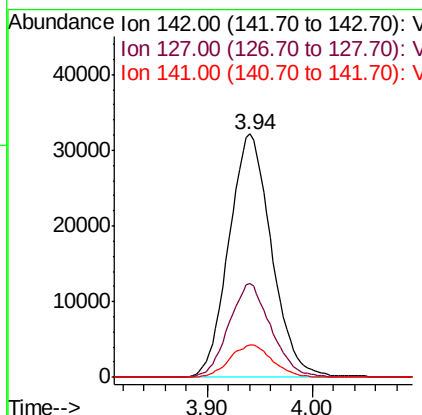
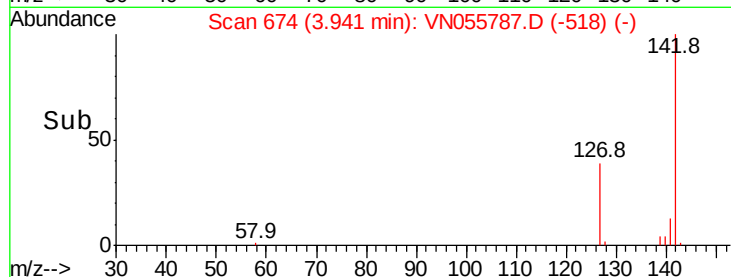
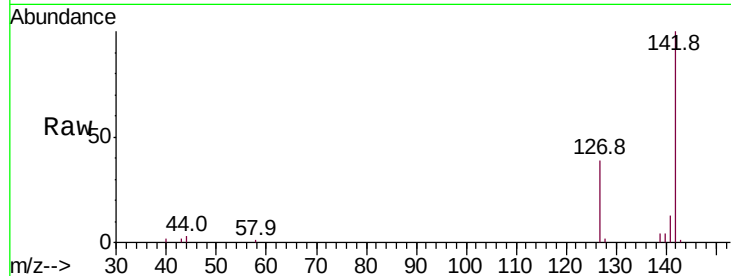
#11
Methvl Iodide
Concen: 19.792 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.9	19.6	58.7
141	13.5	6.9	20.6

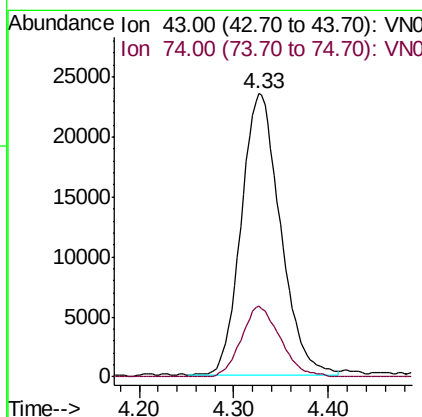
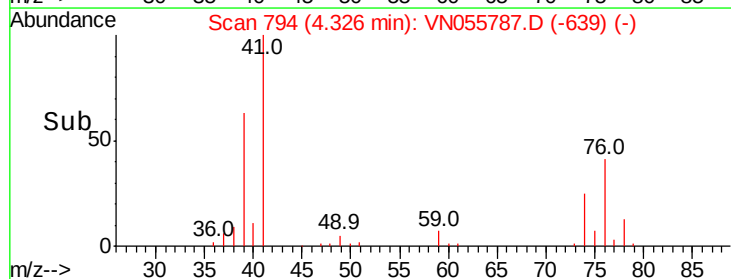
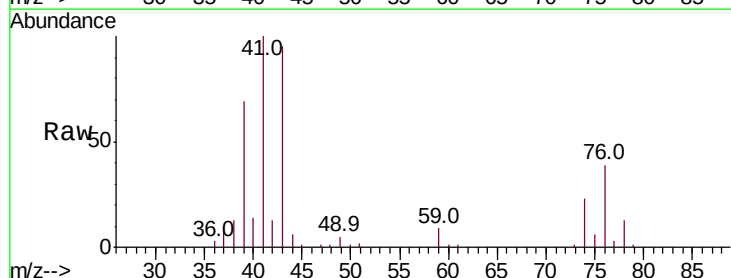
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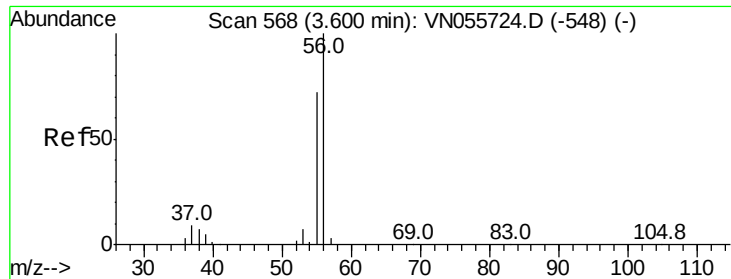
MMDadoda
5/28/2019 10:35:37 AM



#12
Methyl Acetate
Concen: 17.236 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.2	28.8





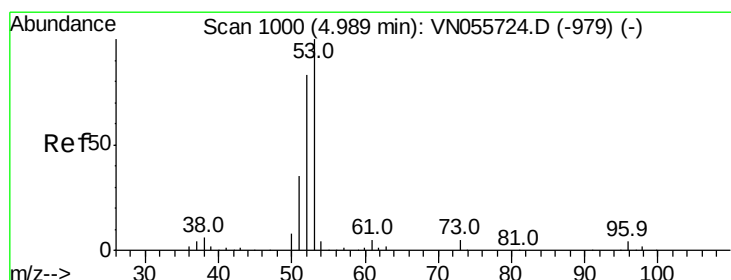
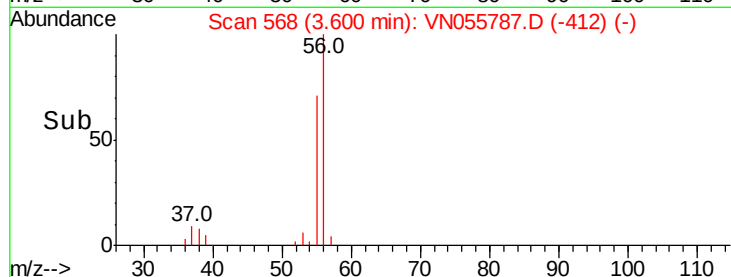
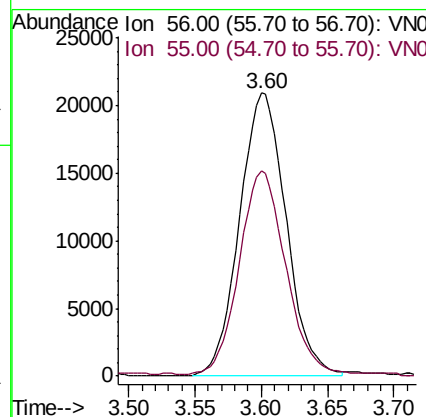
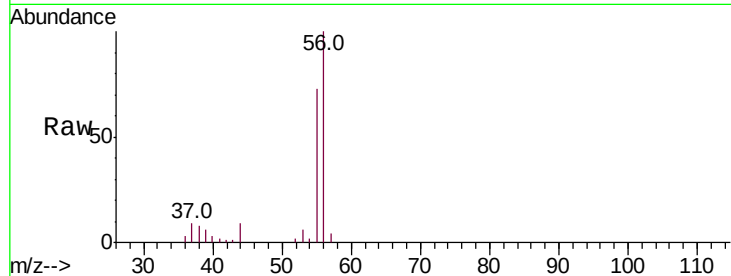
#13
Acrolein
Concen: 94.493 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion: 56 Resp: 51194
Ion Ratio Lower Upper
56 100
55 71.9 57.0 85.6

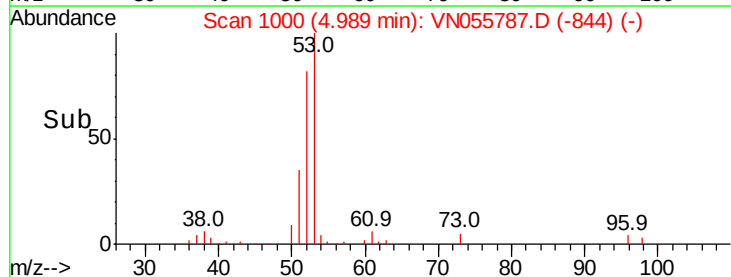
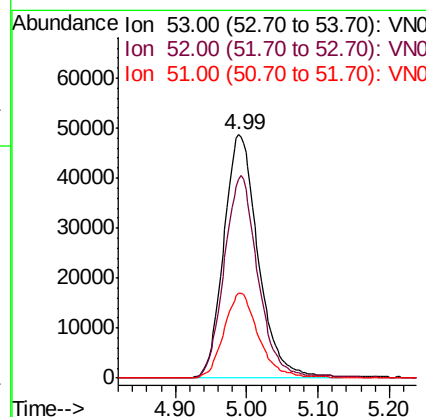
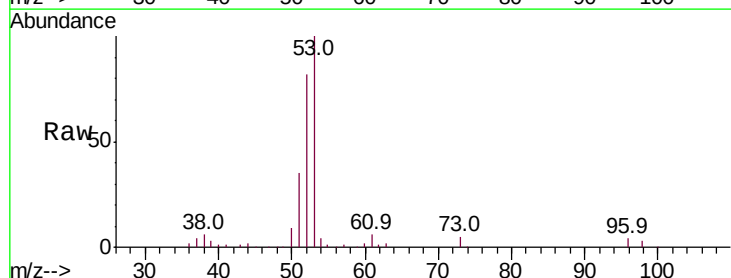
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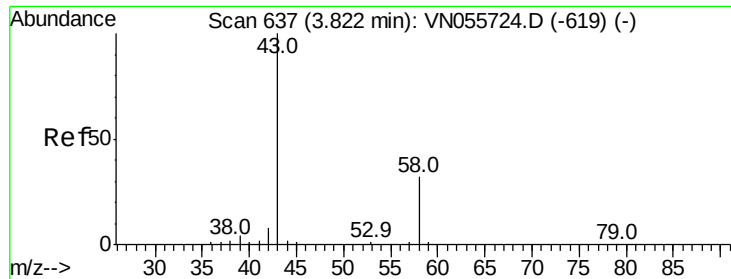
MMDadoda
5/28/2019 10:35:37 AM



#14
Acrylonitrile
Concen: 92.117 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 53 Resp: 163752
Ion Ratio Lower Upper
53 100
52 81.1 41.1 123.4
51 34.9 17.5 52.6





#15

Acetone

Concen: 94.344 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion: 58 Resp: 52086

Ion Ratio Lower Upper

58 100

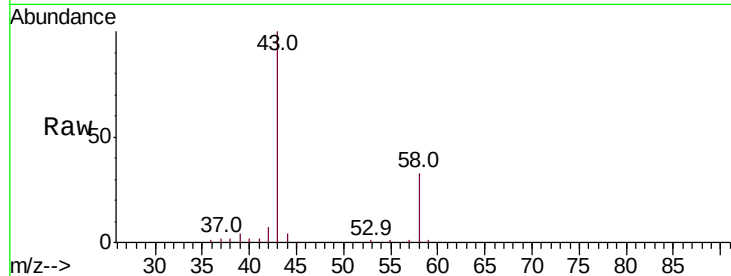
43 302.4 248.8 373.2

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN055787.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN055787.D (-481) (-)

60000

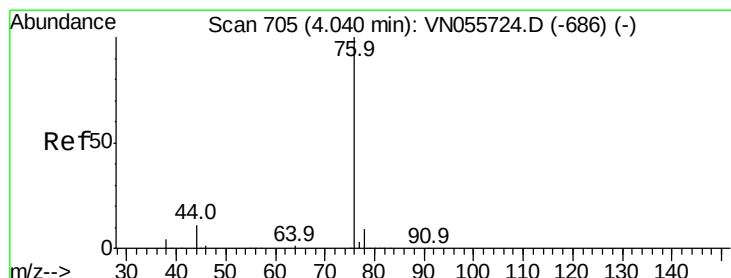
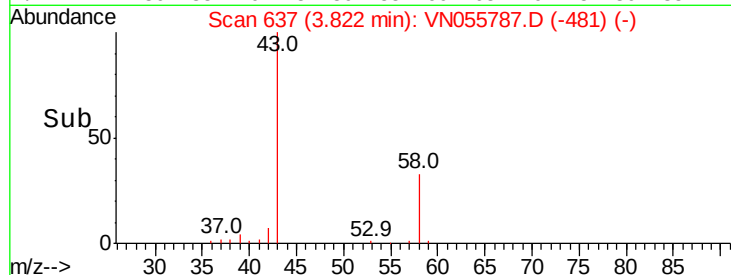
40000

20000

0

3.75 3.80 3.85 3.90

Time-->



#16

Carbon Disulfide

Concen: 17.954 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055787.D

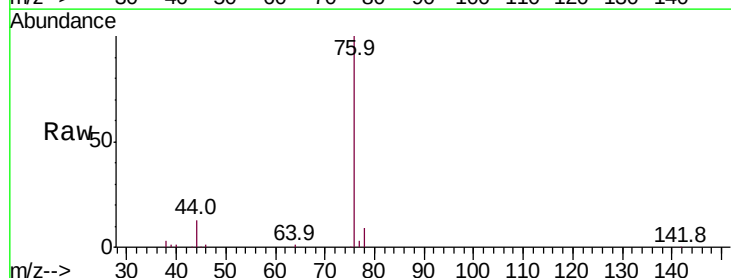
Acq: 24 May 2019 11:32

Tgt Ion: 76 Resp: 164109

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN055787.D (-549) (-)

Ion 78.00 (77.70 to 78.70): VN055787.D (-549) (-)

60000

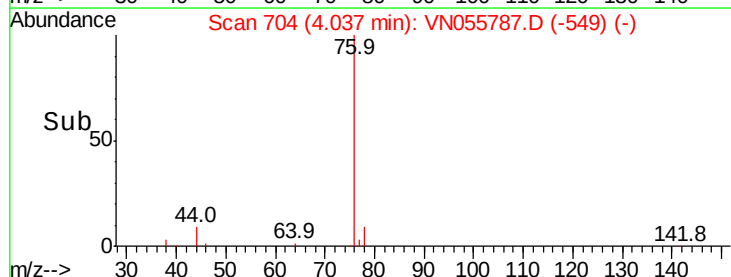
40000

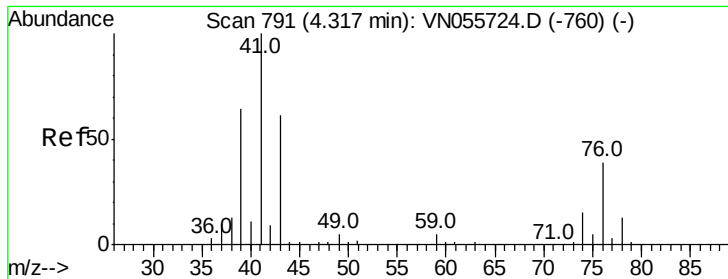
20000

0

3.90 4.00 4.10

Time-->





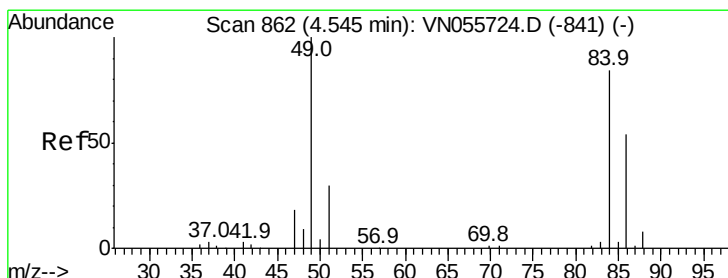
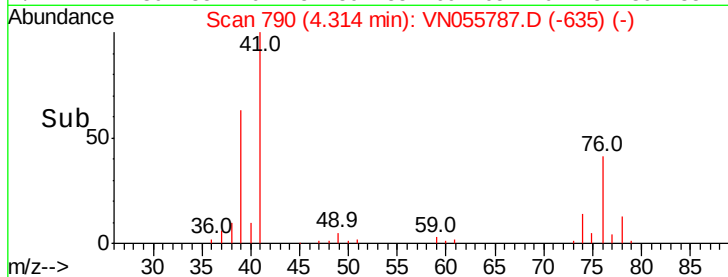
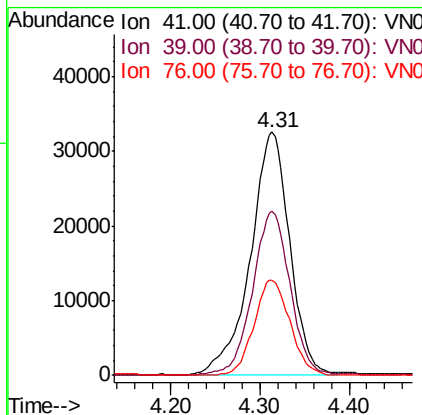
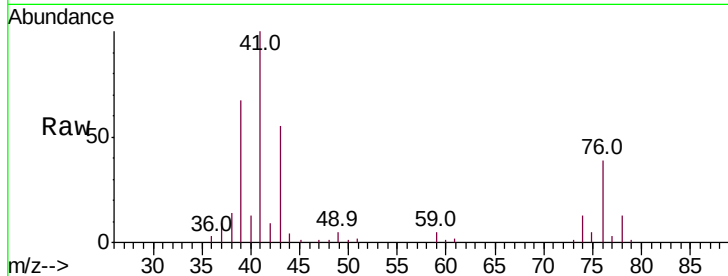
#17
Allvl chloride
Concen: 17.474 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	67.2	31.8	95.3	
76	39.1	19.3	57.9	

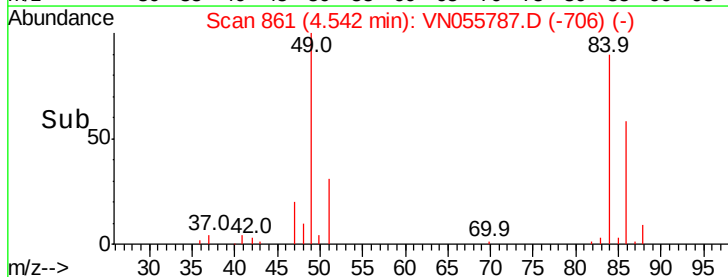
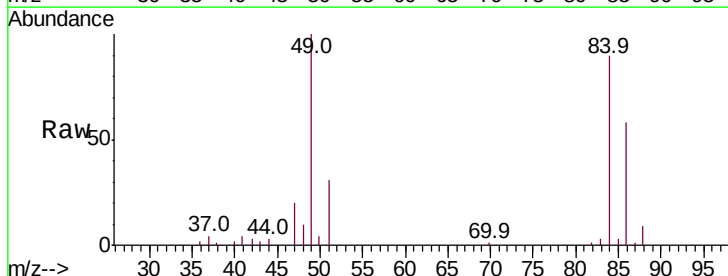
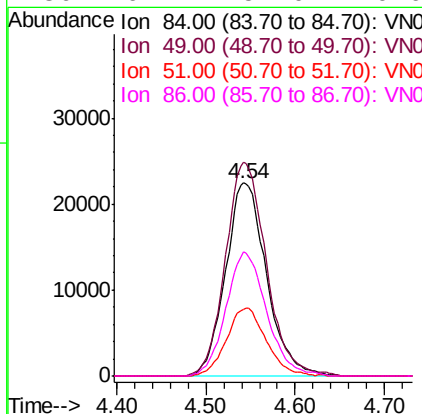
Manual Integrations
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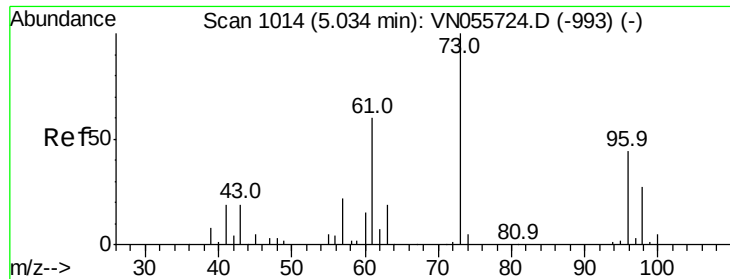
MMDadoda
5/28/2019 10:35:37 AM



#18
Methylene Chloride
Concen: 19.610 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	110.0	94.7	142.1	
51	34.6	28.6	43.0	
86	64.2	51.0	76.6	





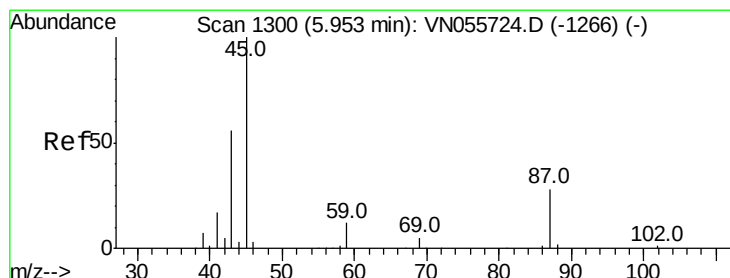
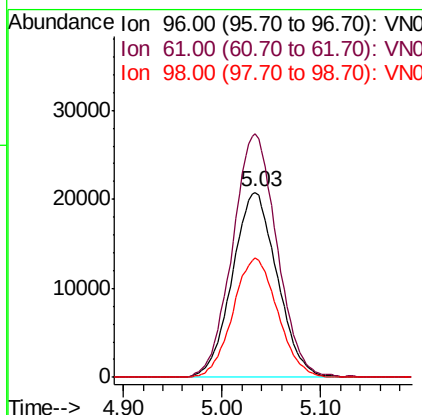
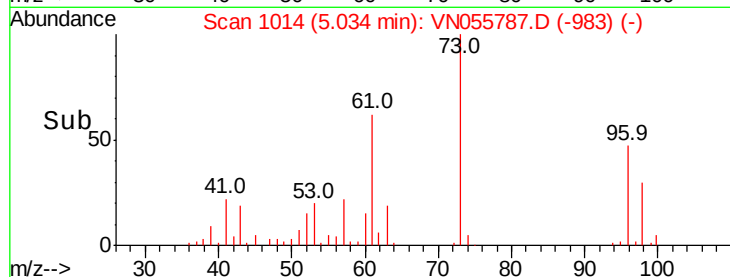
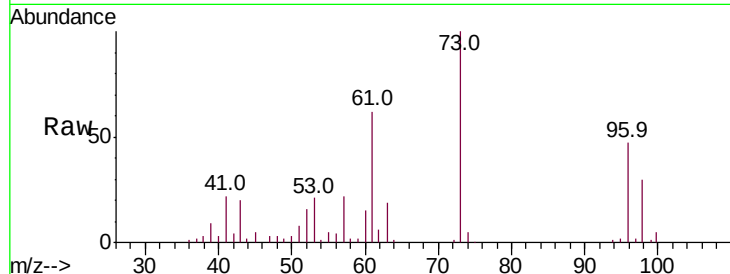
#19
trans-1,2-Dichloroethene
Concen: 19.103 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	108.5	162.7
98	64.2	49.4	74.2

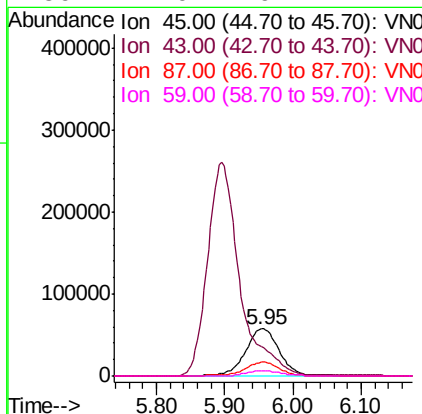
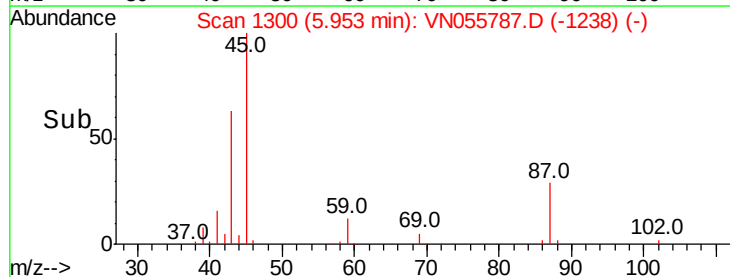
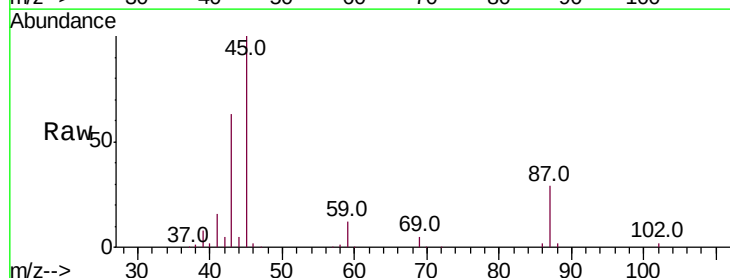
Manual Integrations
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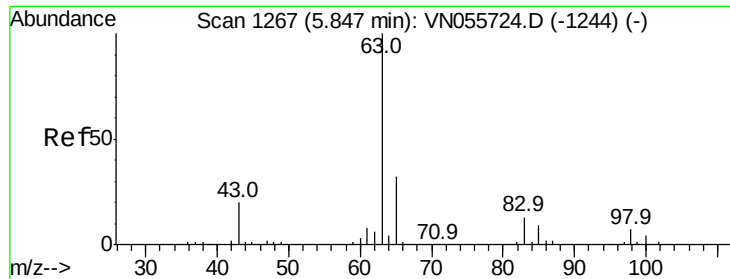
MMDadoda
5/28/2019 10:35:37 AM



#20
Diisopropyl ether
Concen: 17.925 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	48.6	73.0
87	28.7	22.6	34.0
59	12.0	9.4	14.2





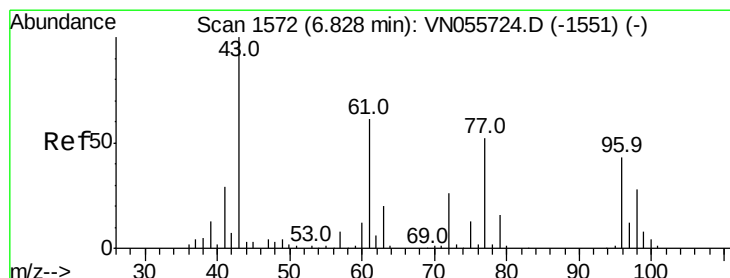
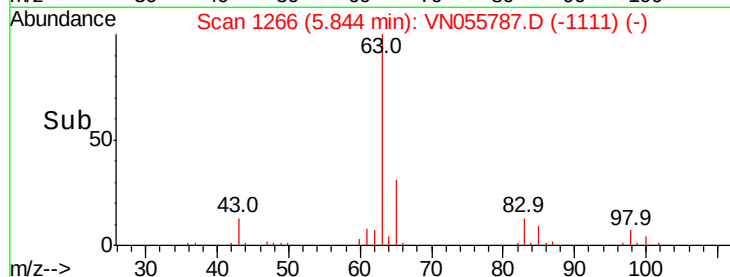
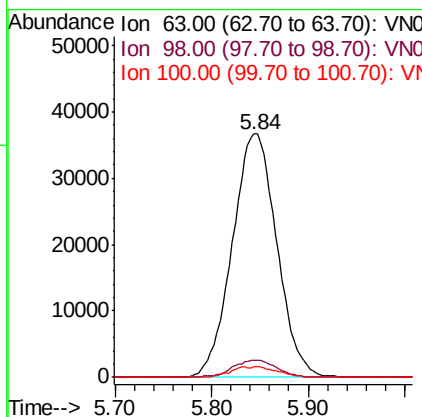
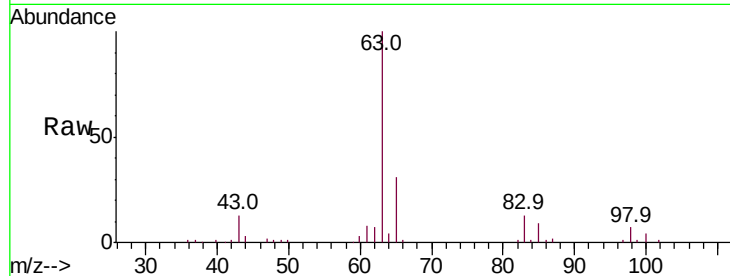
#21
 1,1-Dichloroethane
 Concen: 18.604 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	117118		
98	7.0		3.4	10.2
100	4.2		2.2	6.6

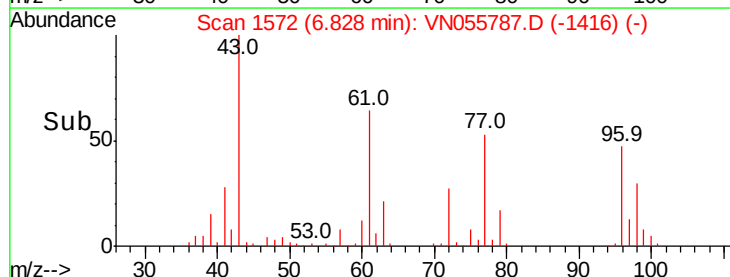
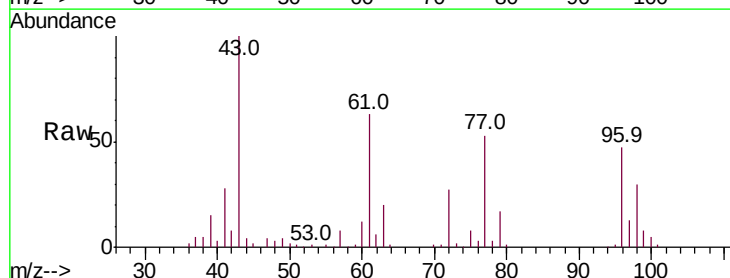
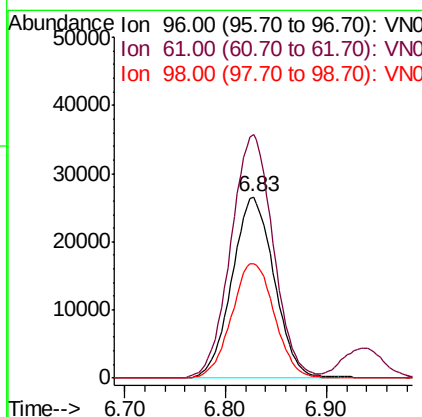
Manual Integrations
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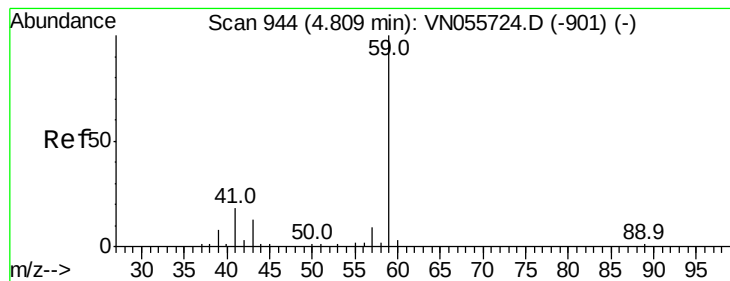
MMDadoda
 5/28/2019 10:35:37 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.294 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	77173		
61	134.8		115.7	173.5
98	64.1		51.5	77.3





#23

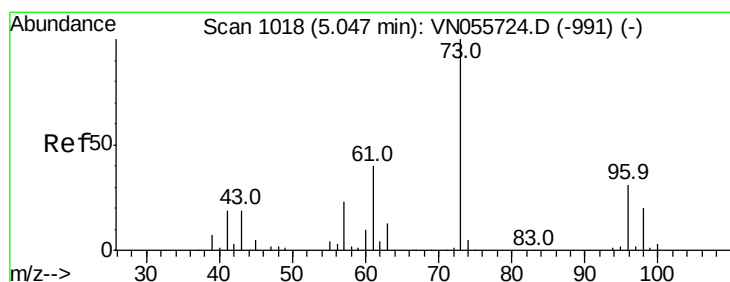
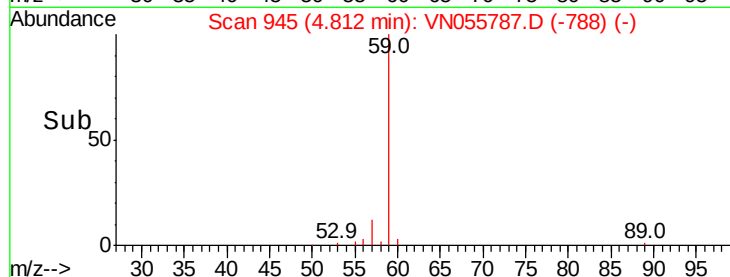
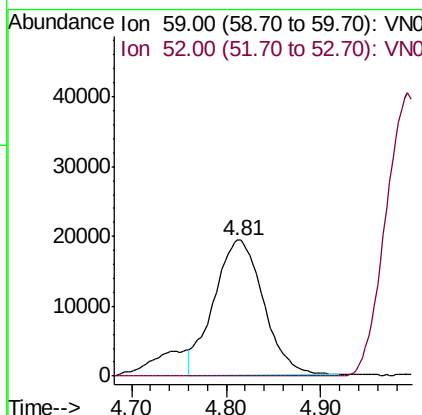
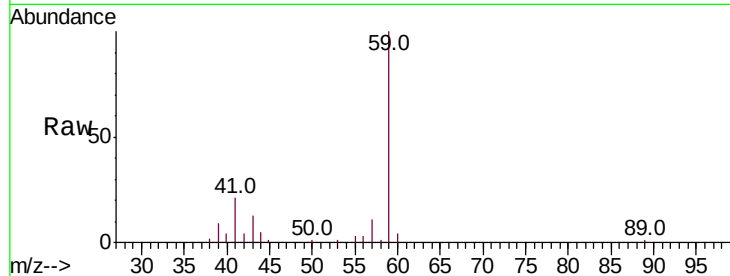
tert-Butyl Alcohol
 Concen: 89.920 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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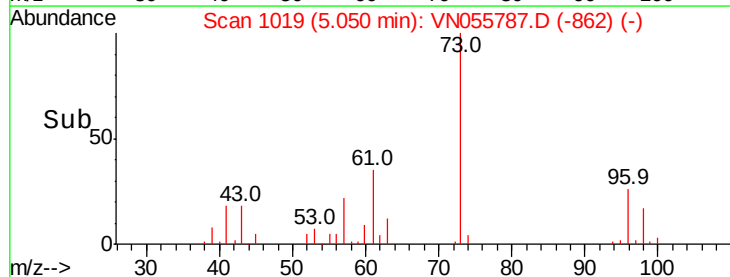
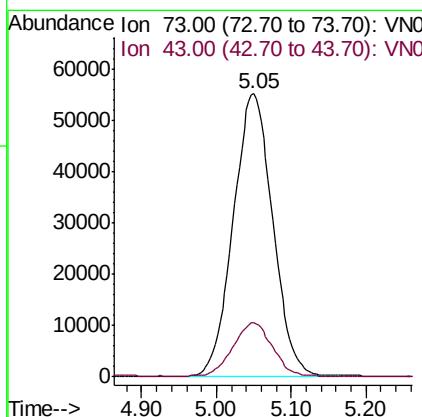
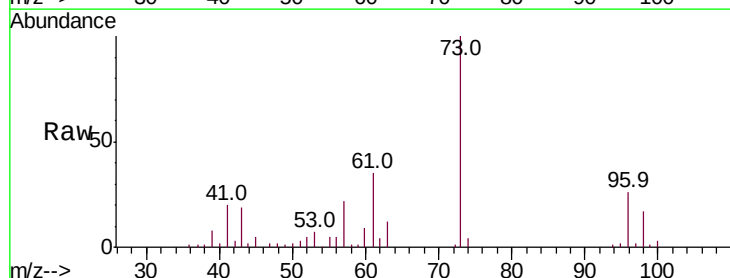
MMDadoda
 5/28/2019 10:35:37 AM

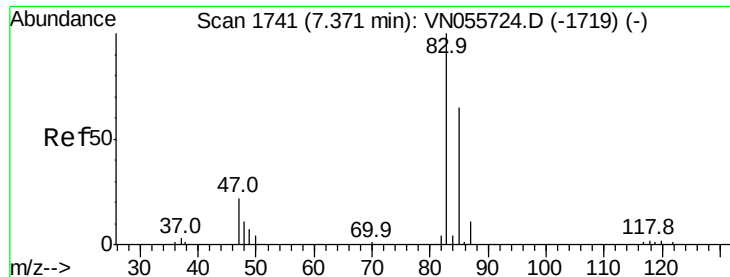


#24

Methyl tert-Butyl Ether
 Concen: 18.783 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.7	23.5





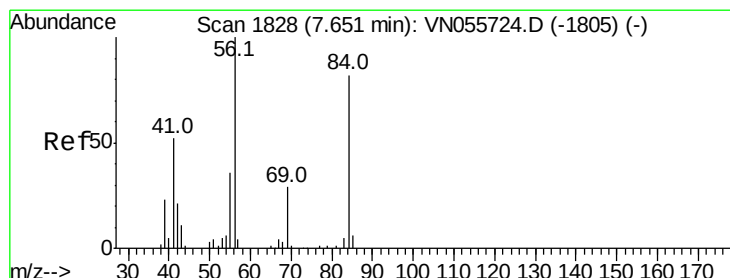
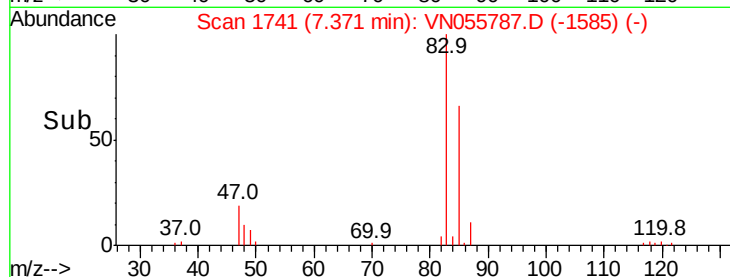
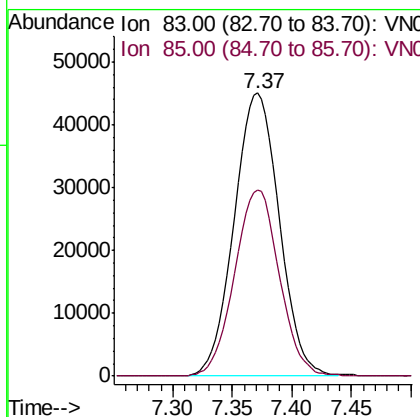
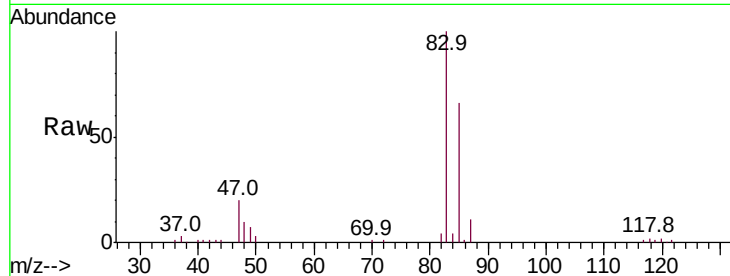
#25
Chloroform
Concen: 19.058 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VN0524WBS01

Tot Ion: 83 Resp: 118496
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5

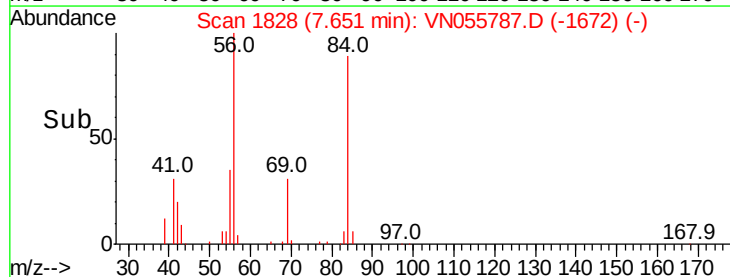
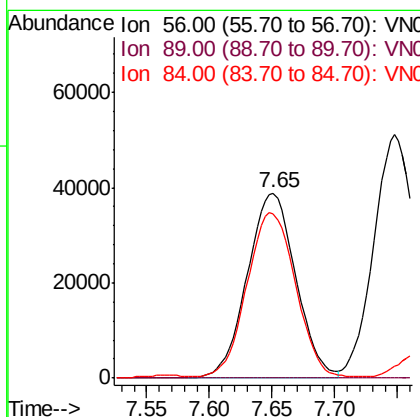
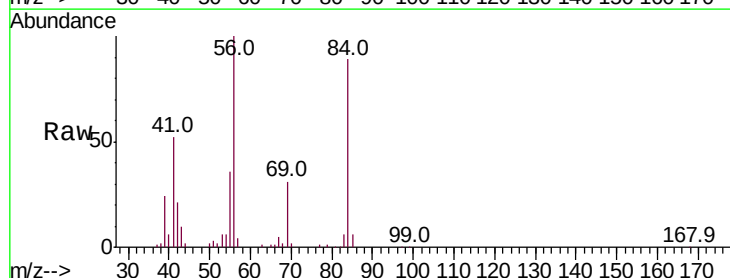
Manual Integrations
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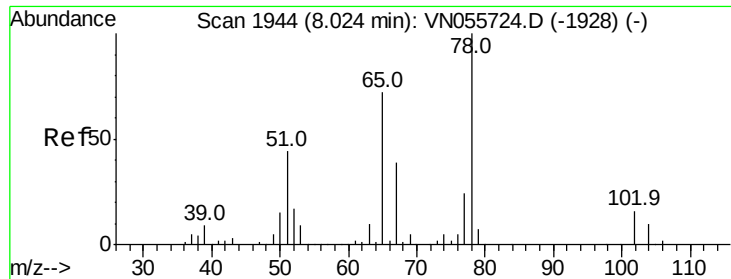
MMDadoda
5/28/2019 10:35:37 AM



#26
Cyclohexane
Concen: 18.007 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion: 56 Resp: 104576
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.4 67.2 100.8





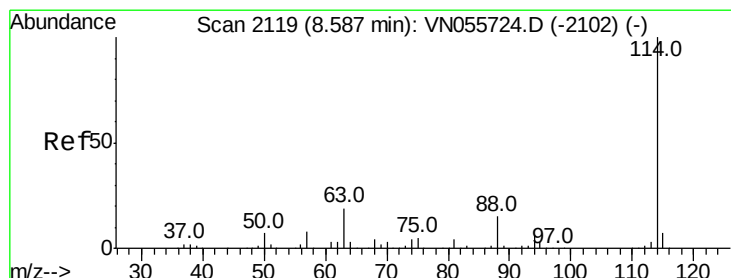
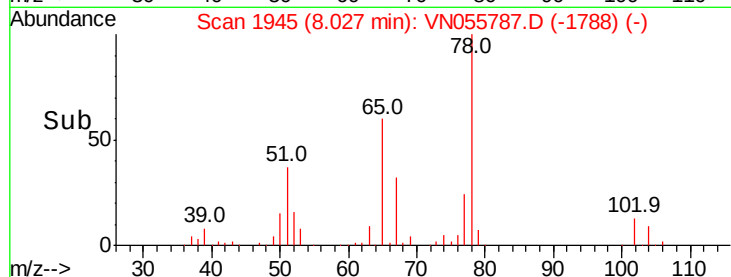
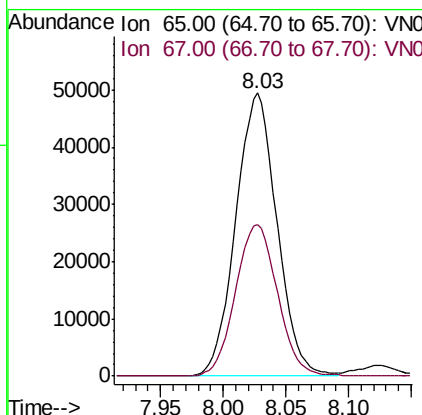
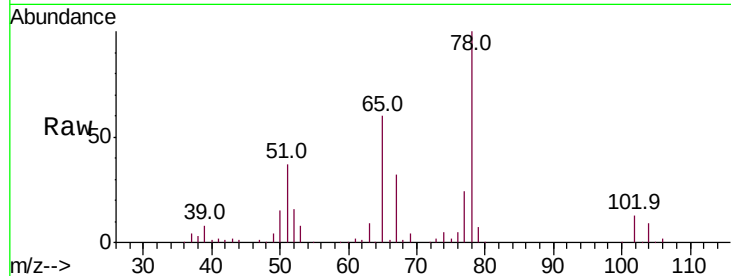
#27
 1,2-Dichloroethane-d4
 Concen: 28.658 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0524WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	43.5	65.3

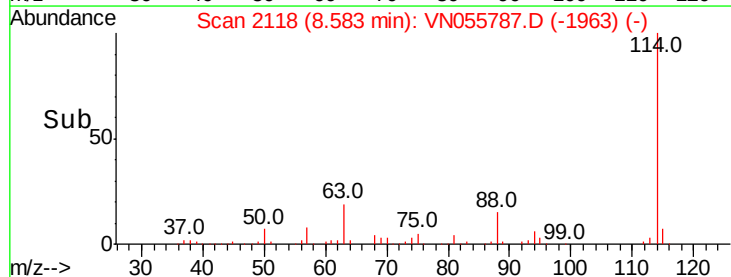
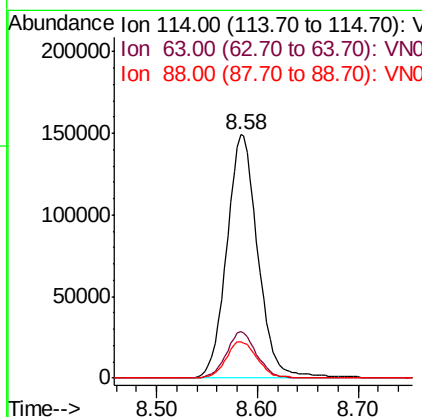
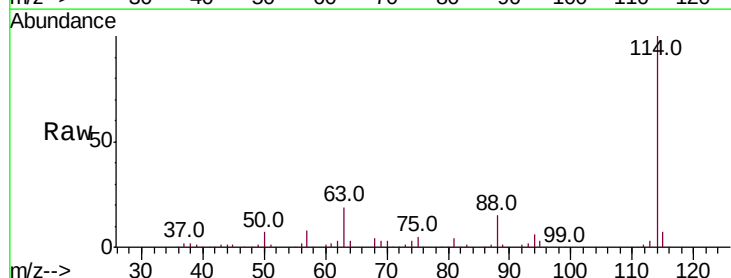
Manual Integrations
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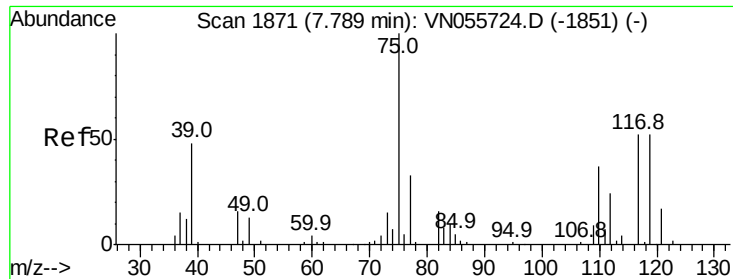
MMDadoda
 5/28/2019 10:35:37 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	15.6	23.4
88	15.2	12.3	18.5





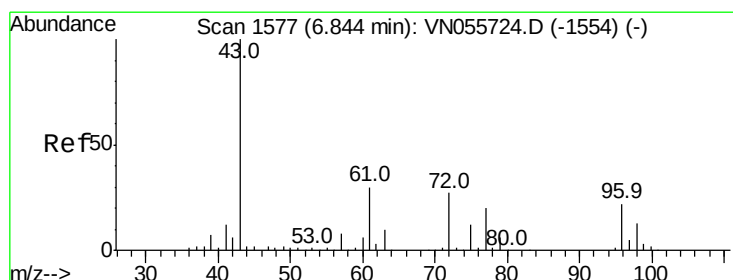
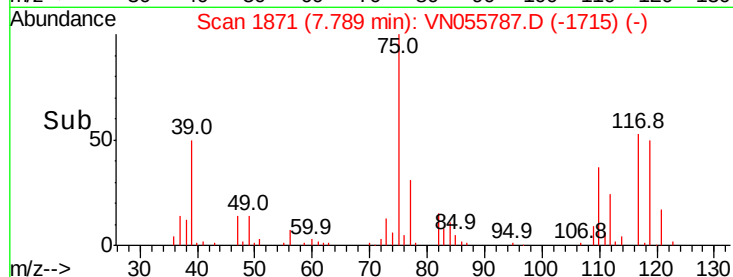
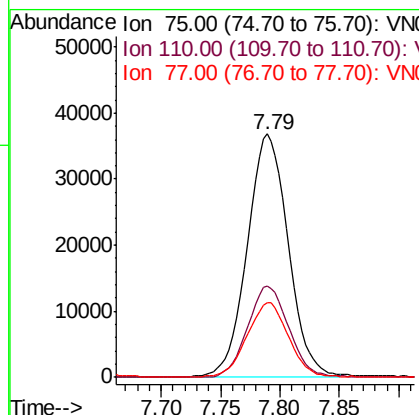
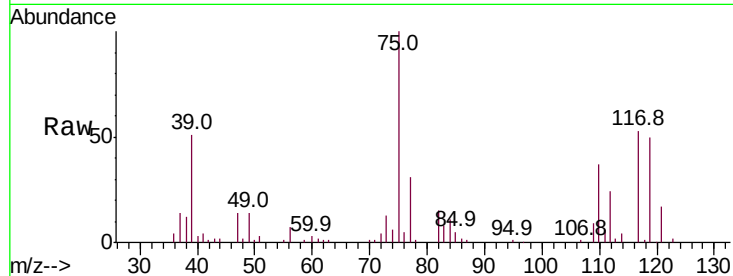
#29
 1,1-Dichloropropene
 Concen: 19.671 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	37.5	0.0	74.8
77	31.1	0.0	65.2

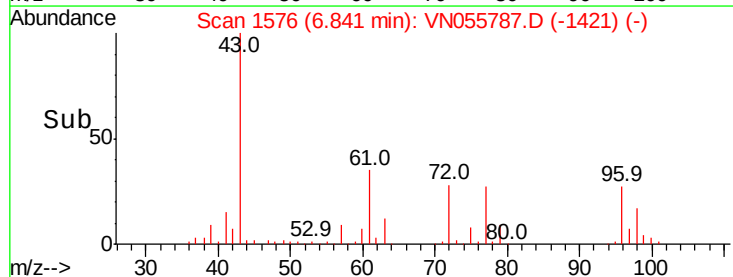
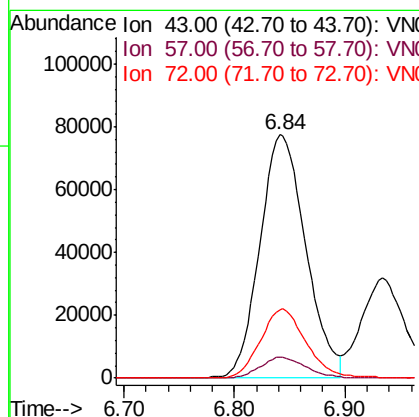
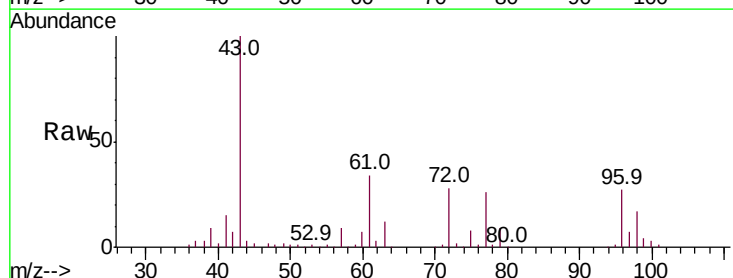
Manual Integrations
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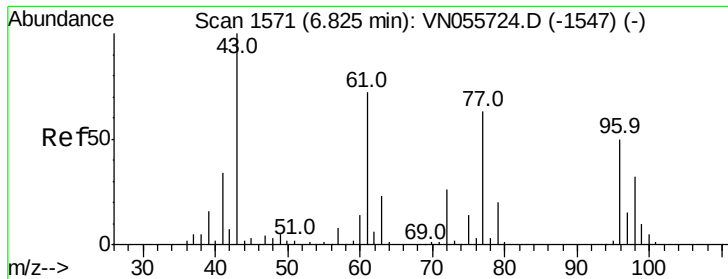
MMDadoda
 5/28/2019 10:35:37 AM



#30
 2-Butanone
 Concen: 93.937 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.4	6.6	10.0
72	28.4	21.7	32.5





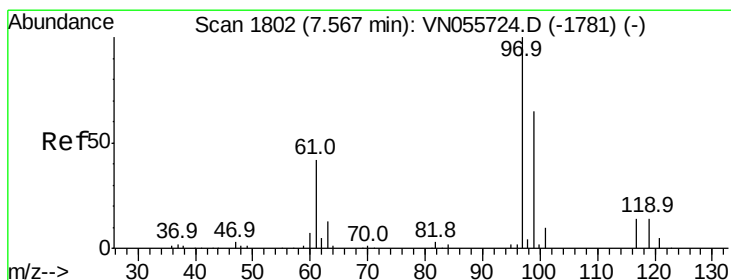
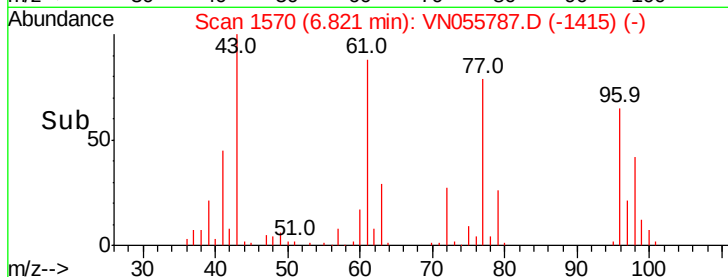
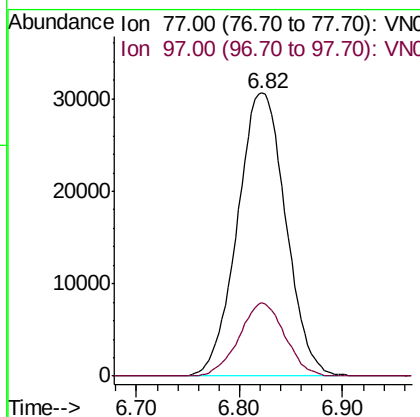
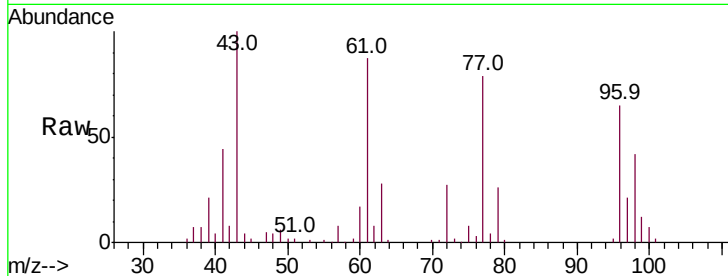
#31
 2,2-Dichloropropane
 Concen: 19.158 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion: 77 Resp: 99726
 Ion Ratio Lower Upper
 77 100
 97 24.5 19.2 28.8

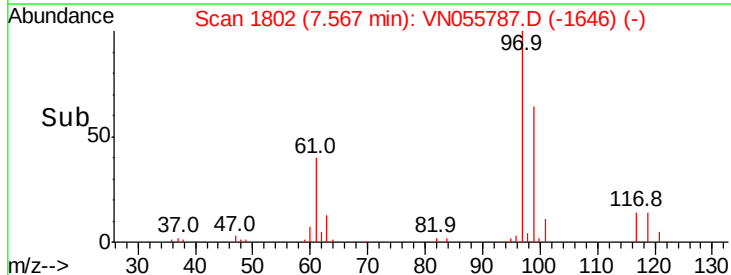
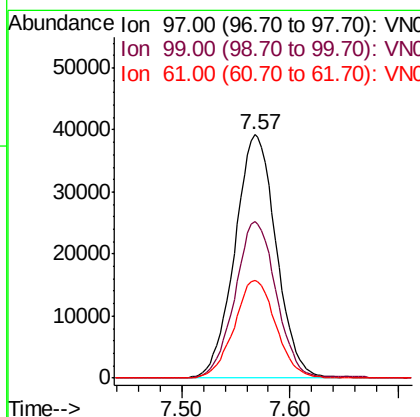
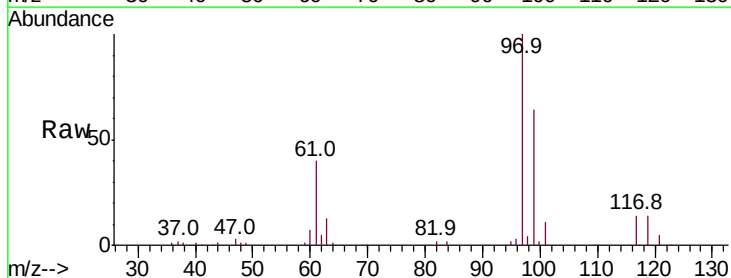
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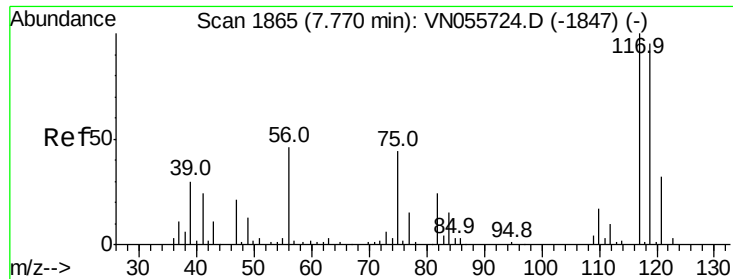
MMDadoda
 5/28/2019 10:35:37 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.732 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion: 97 Resp: 104619
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.7 77.5
 61 40.3 33.1 49.7





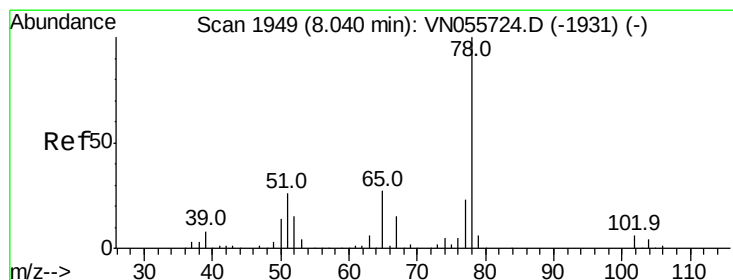
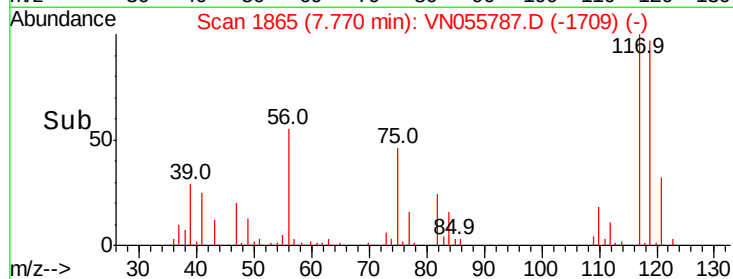
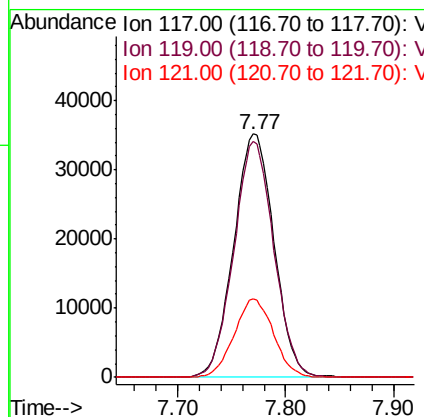
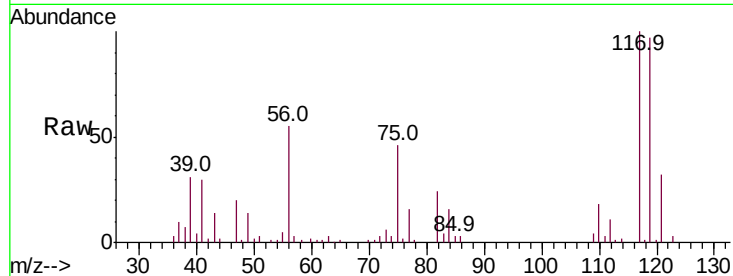
#33
Carbon Tetrachloride
Concen: 19.318 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.8	113.8
121	32.5	25.4	38.0

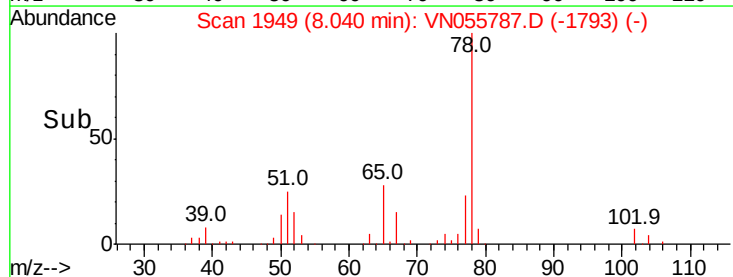
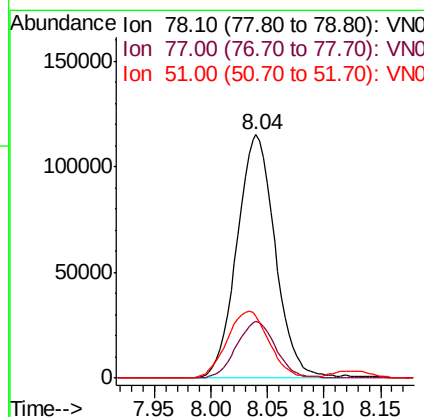
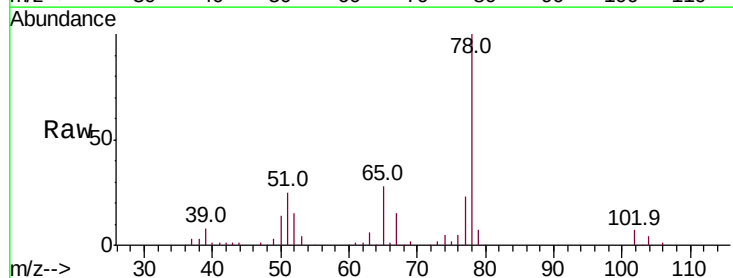
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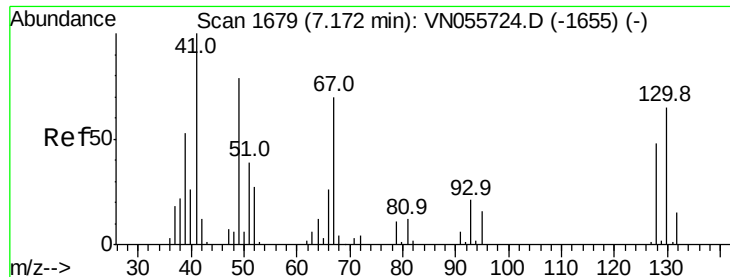
MMDadoda
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#34
Benzene
Concen: 19.659 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2
51	25.0	20.6	31.0





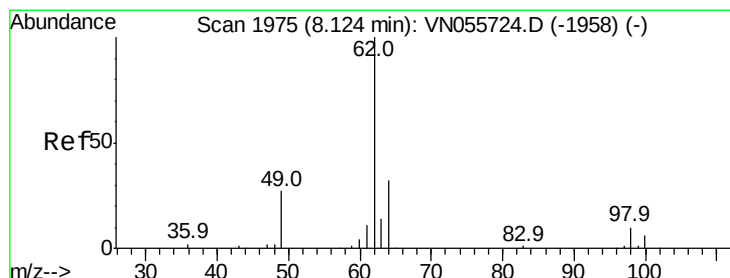
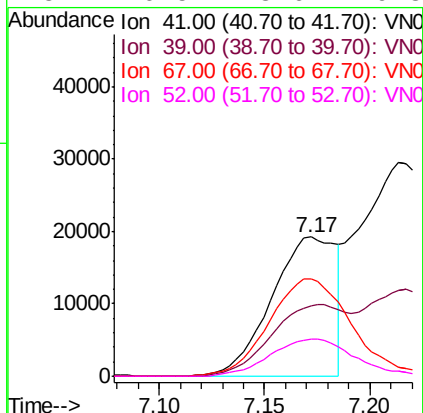
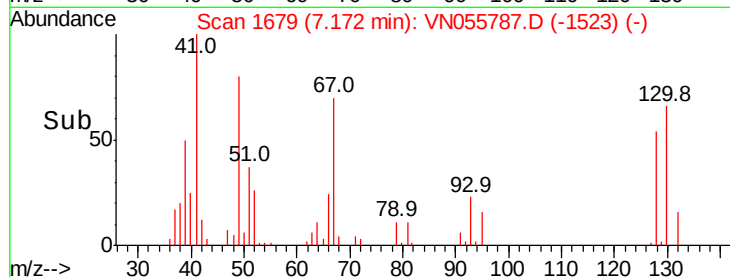
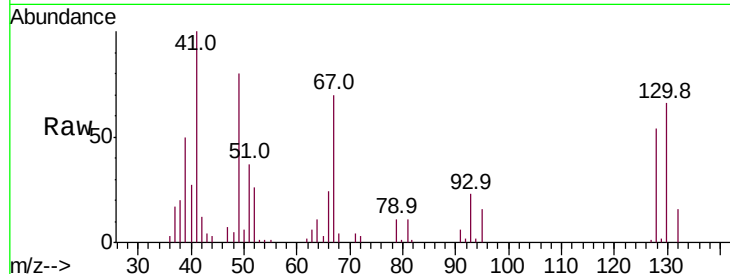
#35
Methacrylonitrile
Concen: 18.622 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	26.7	80.1
67	69.8	34.9	104.7
52	26.5	13.6	40.8

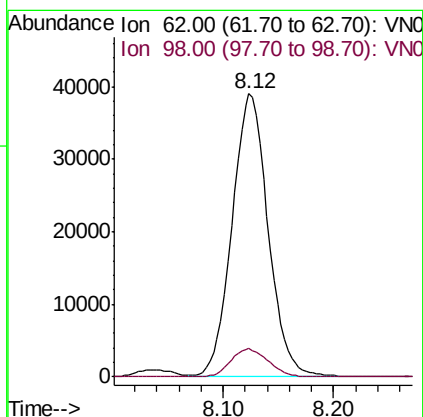
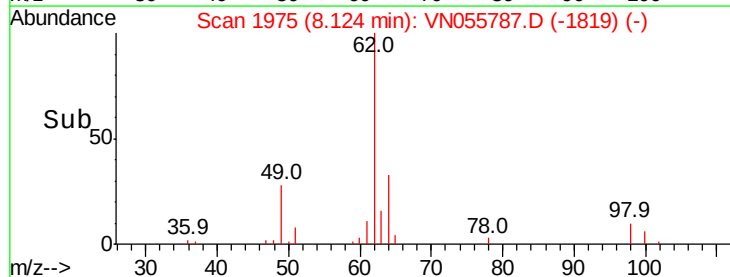
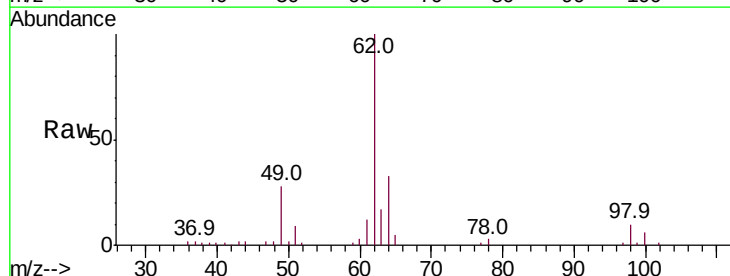
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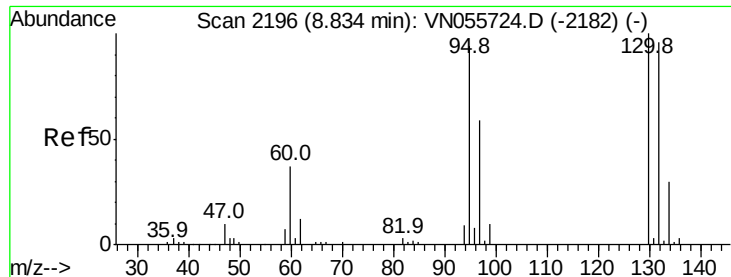
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.629 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	8.2	12.2





#37

Trichloroethene

Concen: 20.055 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion:130 Resp: 77276

Ion Ratio Lower Upper

130 100

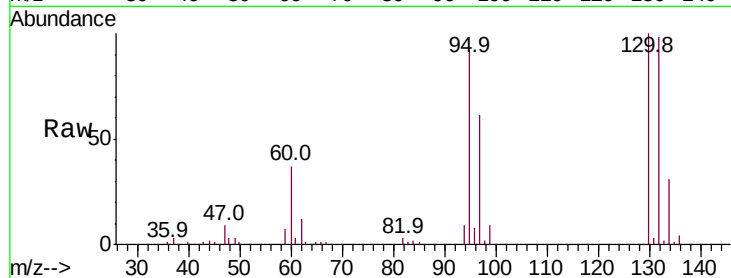
95 92.0 75.6 113.4

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

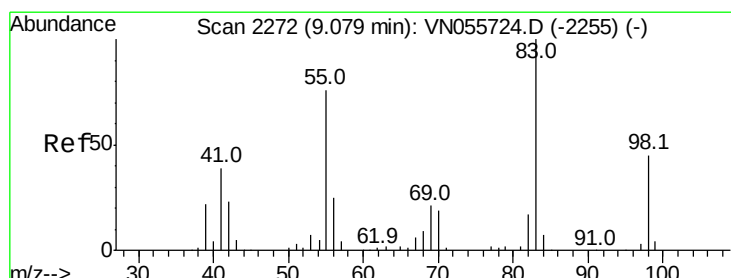
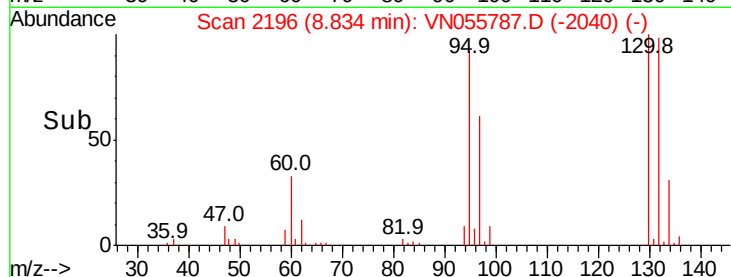
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.123 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

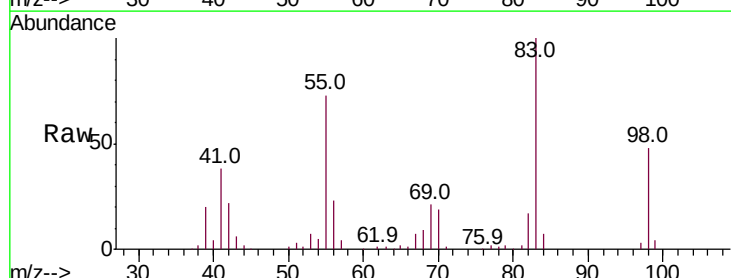
Tgt Ion: 83 Resp: 108382

Ion Ratio Lower Upper

83 100

55 73.2 37.8 113.4

98 46.9 22.6 67.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

60000

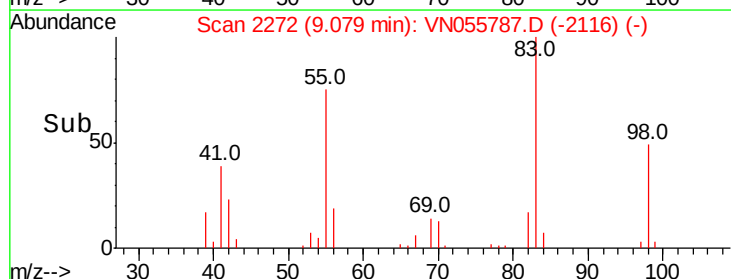
40000

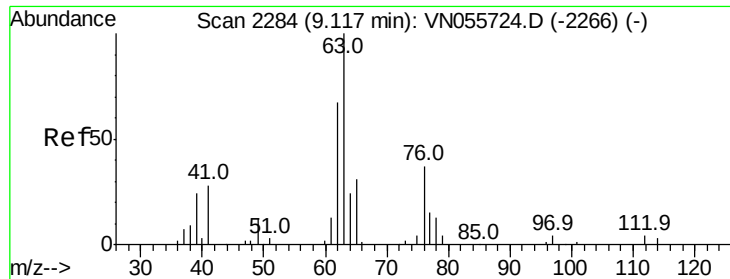
20000

0

9.00 9.05 9.10 9.15

Time-->





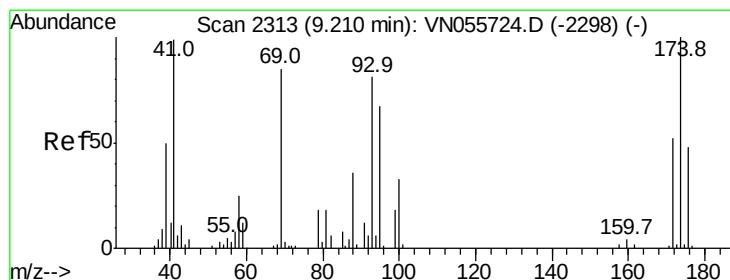
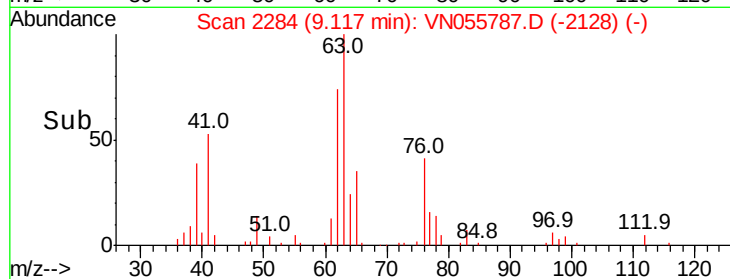
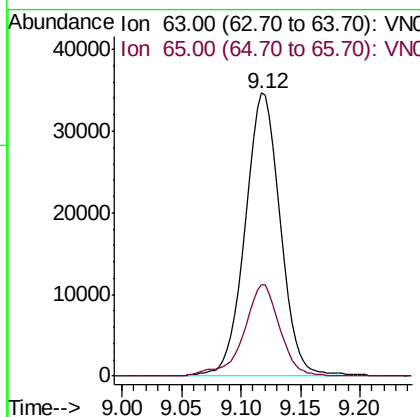
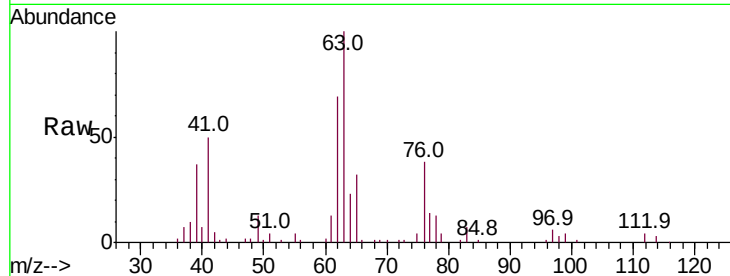
#39
 1,2-Dichloropropane
 Concen: 19.127 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.8

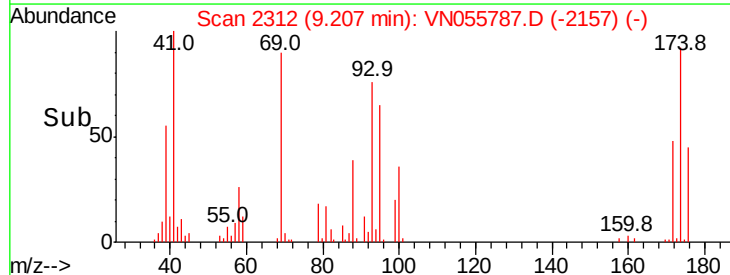
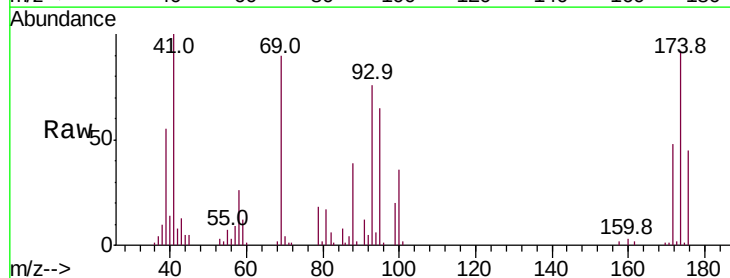
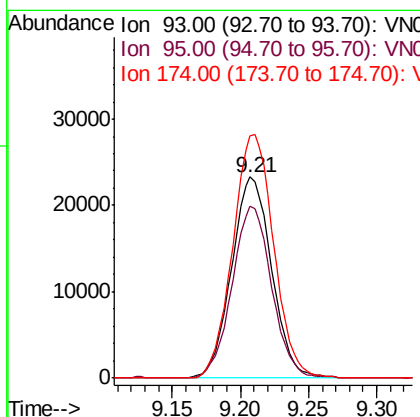
Manual Integrations
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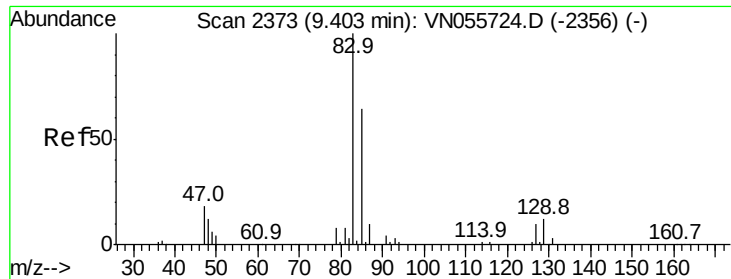
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#40
 Dibromomethane
 Concen: 19.858 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	0.0	170.6
174	123.6	0.0	248.4





#41

Bromodichloromethane

Concen: 18.815 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

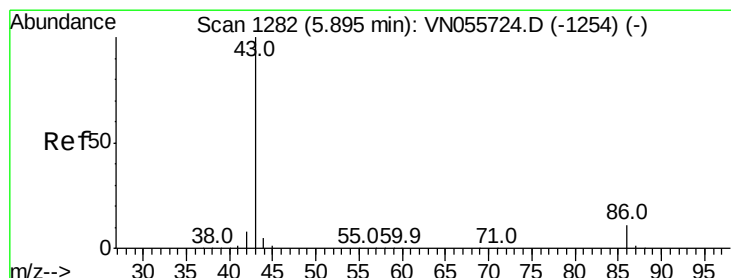
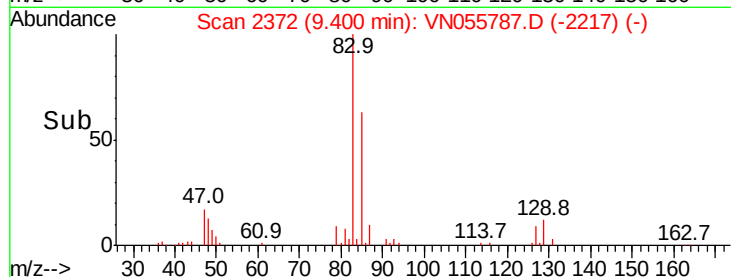
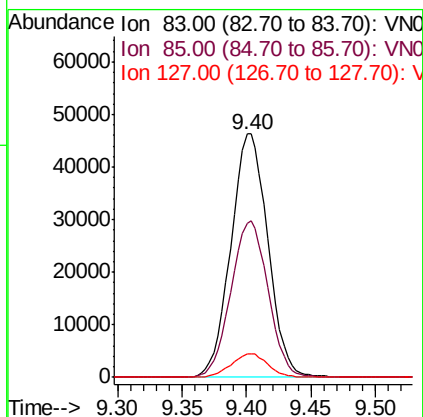
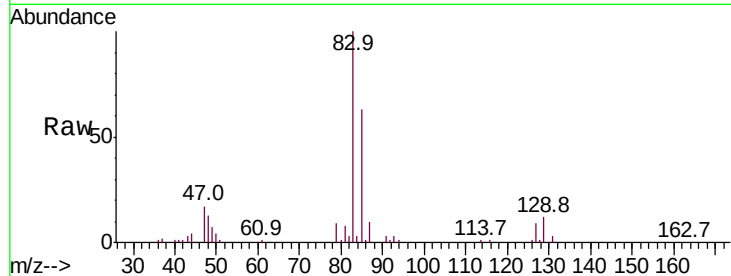
ClientSampleId :

VN0524WBS01

Tot Ion:	83	Resp:	92448
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.4	77.0
127	9.4	7.7	11.5

Manual Integrations
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5/28/2019 10:35:37 AM



#42

Vinyl Acetate

Concen: 93.054 ug/l

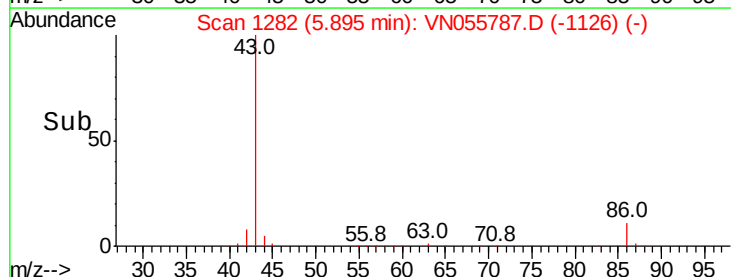
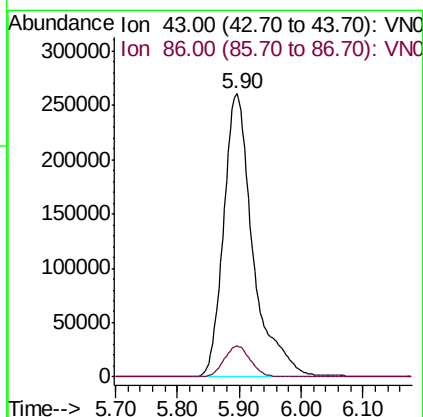
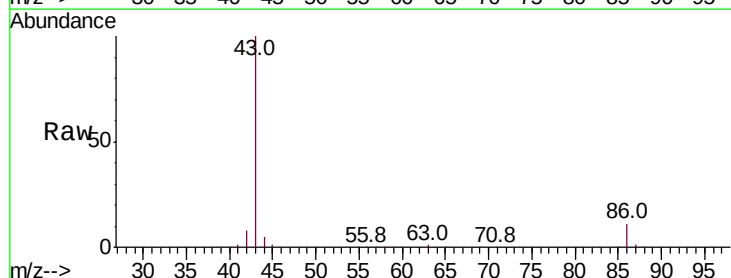
RT: 5.90 min Scan# 1282

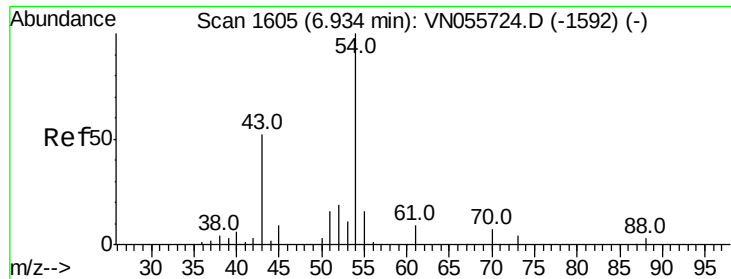
Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	43	Resp:	861405
Ion Ratio	Lower	Upper	
43	100		
86	9.8	7.4	11.2





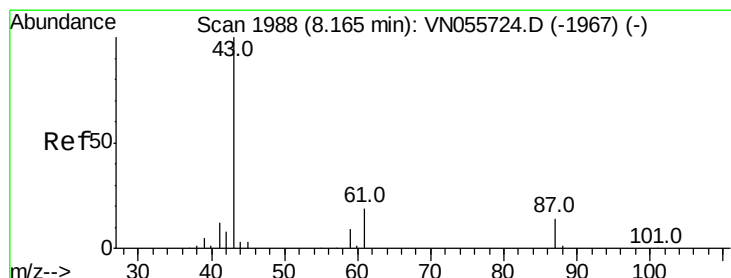
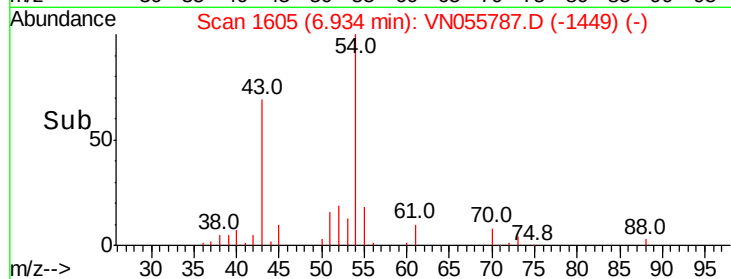
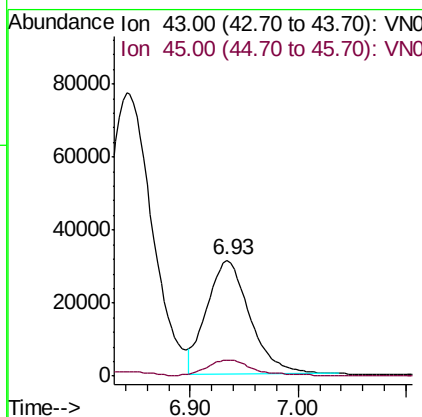
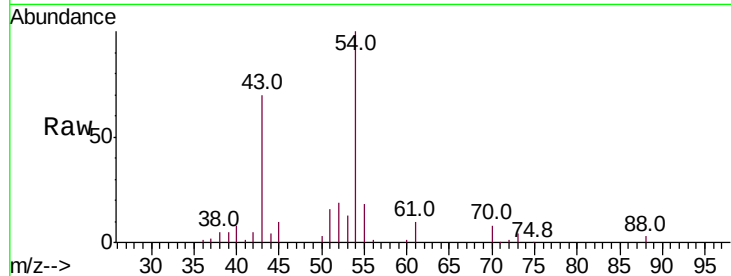
#43
Ethyl Acetate
Concen: 18.437 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	43	45	Ratio	100	15.8	Resp	86408	Lower	Upper
Ion	43	45	Ratio	100	15.8	Resp	86408	Lower	Upper
								0.0	0.0#

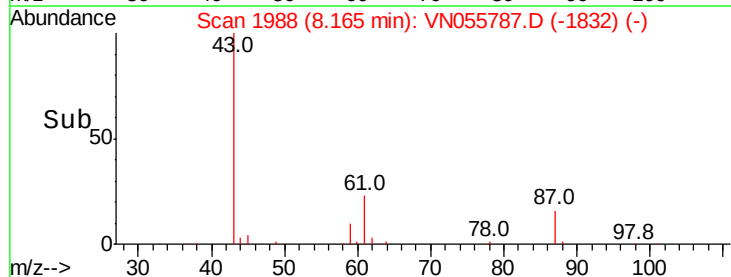
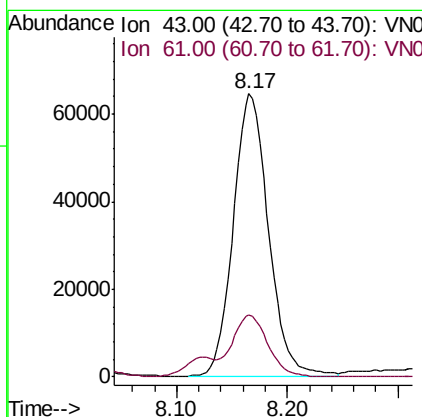
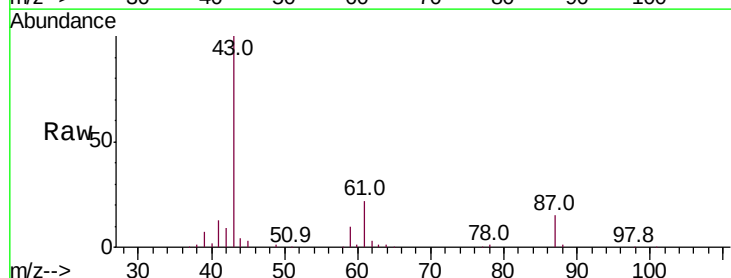
Manual Integrations
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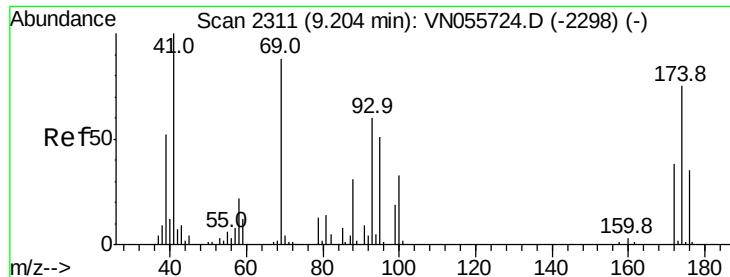
MMDadoda
5/28/2019 10:35:37 AM



#44
Isopropyl Acetate
Concen: 18.246 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	43	61	Ratio	100	21.8	Resp	141599	Lower	Upper
Ion	43	61	Ratio	100	21.8	Resp	141599	Lower	Upper
								22.1	33.1#





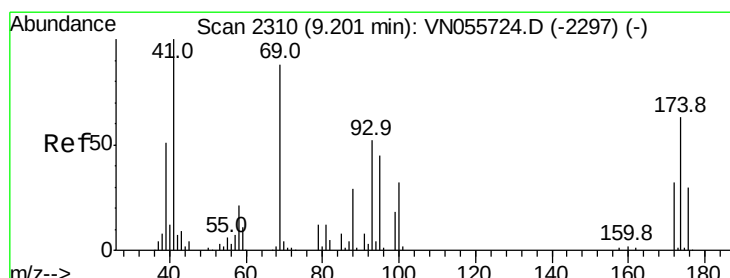
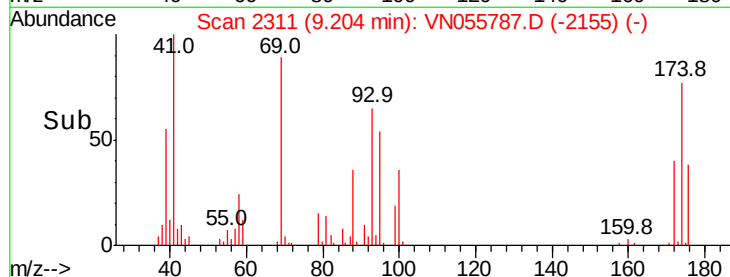
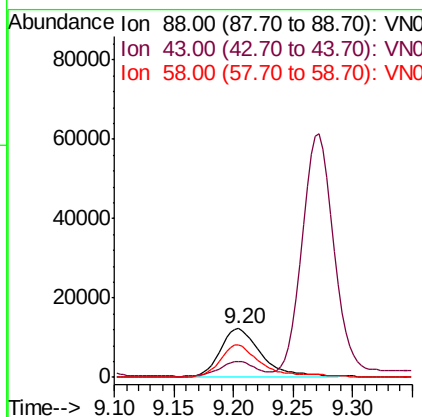
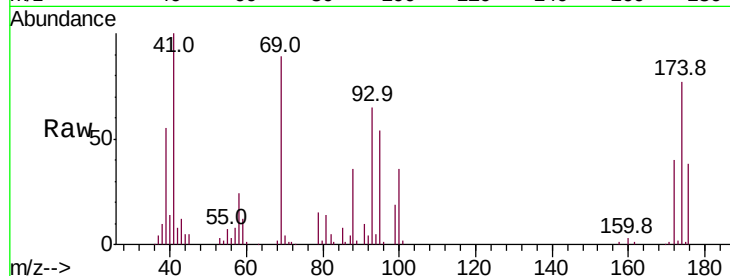
#45
 1,4-Dioxane
 Concen: 412.833 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	88	Resp	30141
Ion	Ratio	Lower	Upper
88	100		
43	25.9	20.5	30.7
58	66.7	56.1	84.1

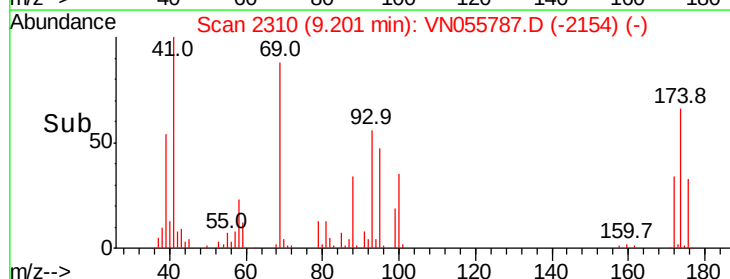
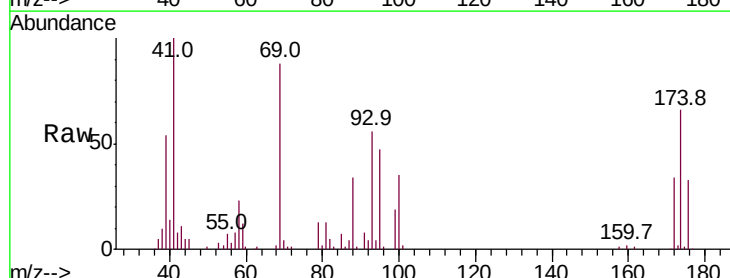
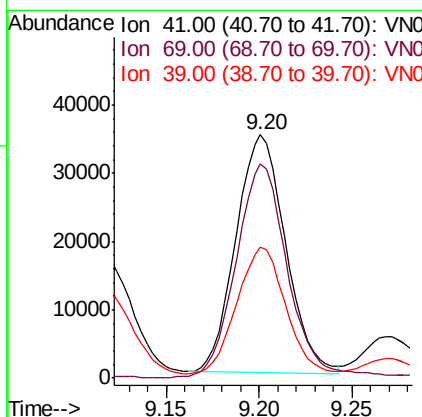
Manual Integrations
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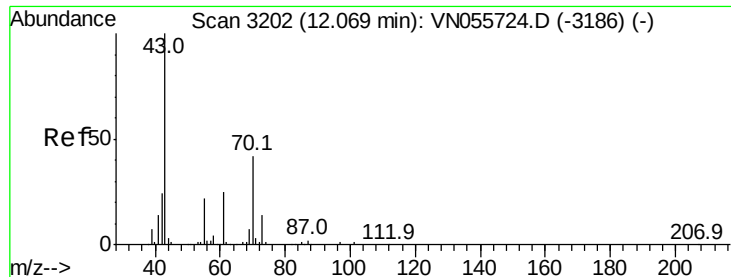
MMDadoda
 5/28/2019 10:35:37 AM



#46
 Methyl methacrylate
 Concen: 18.005 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	41	Resp	65192
Ion	Ratio	Lower	Upper
41	100		
69	89.4	43.8	131.4
39	53.5	25.6	76.6





#47

n-amvl Acetate

Concen: 17.592 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion: 43 Resp: 112924

Ion Ratio Lower Upper

43 100

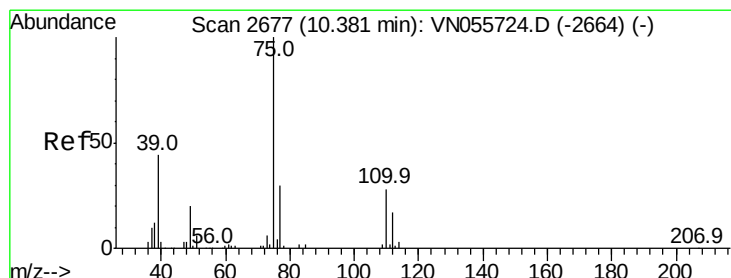
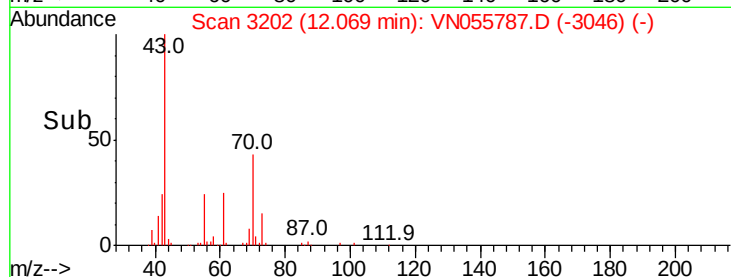
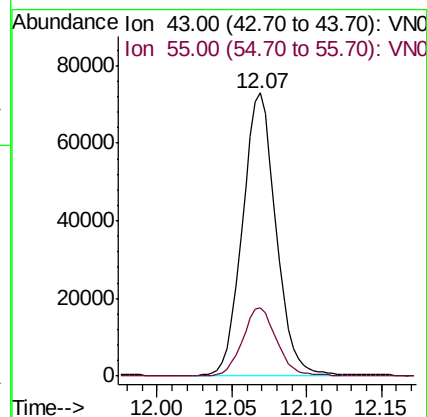
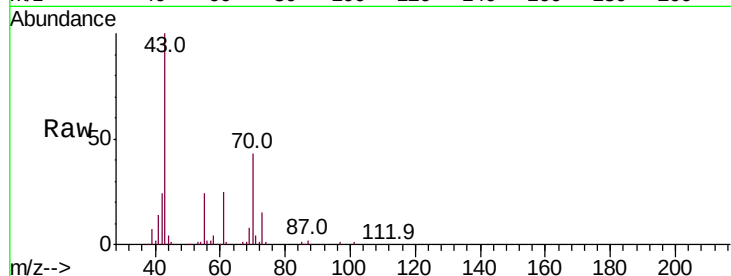
55 24.9 17.8 26.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.919 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055787.D

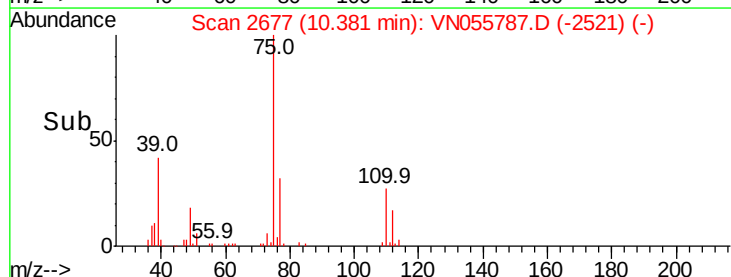
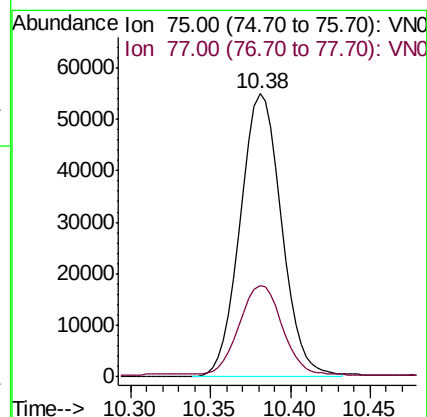
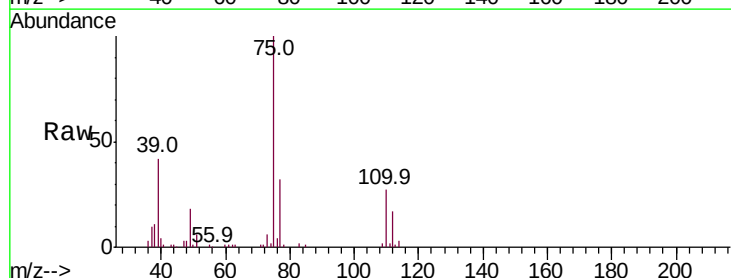
Acq: 24 May 2019 11:32

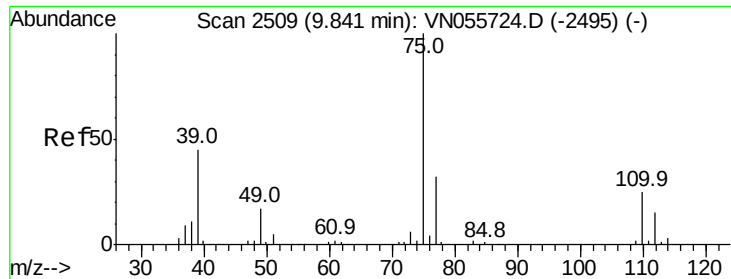
Tgt Ion: 75 Resp: 97189

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8





#49

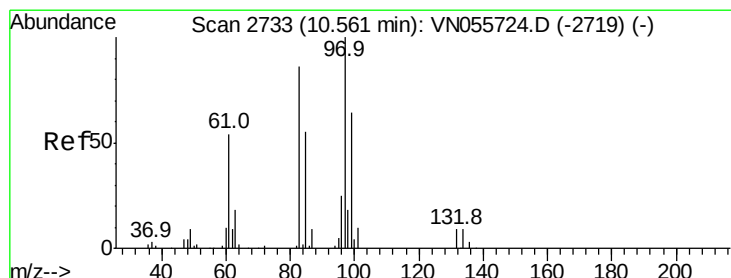
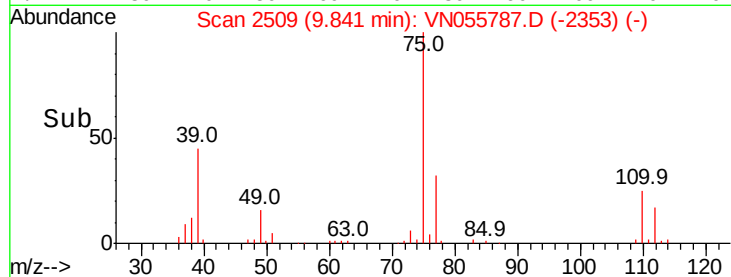
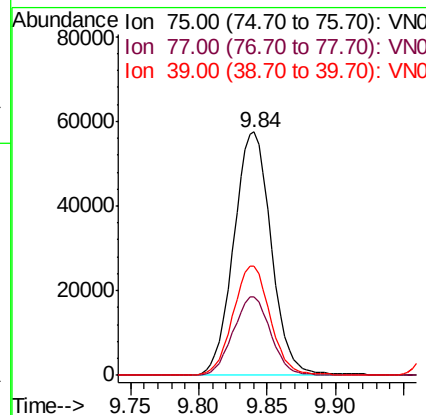
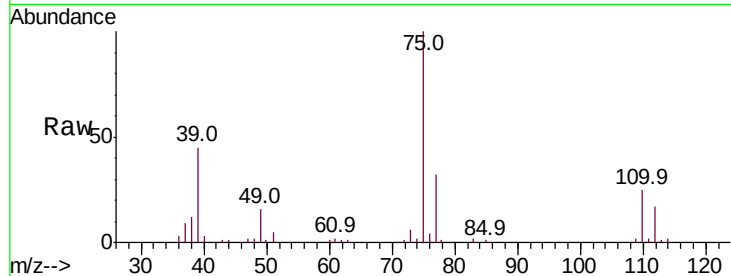
cis-1,3-Dichloropropene
Concen: 18.484 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
77	32.4	26.0	39.0
39	44.7	36.2	54.4

Manual Integrations
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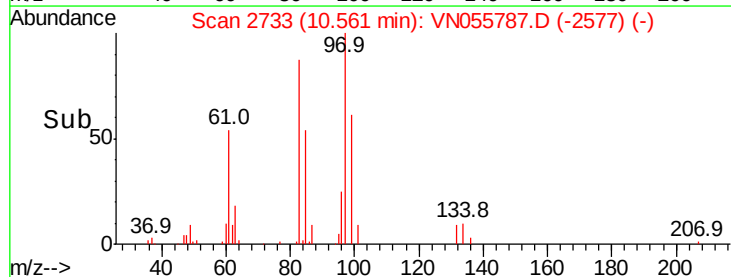
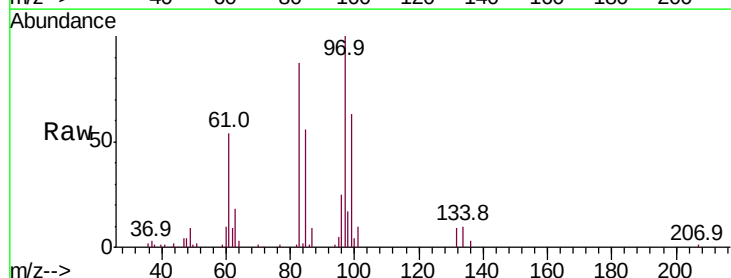
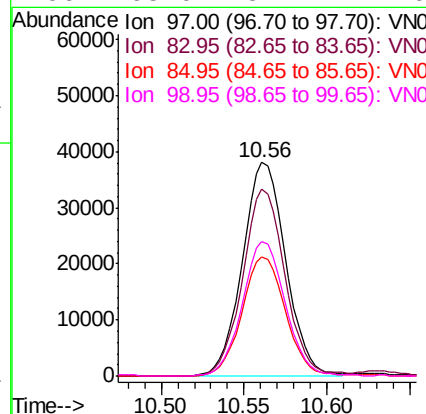
MMDadoda
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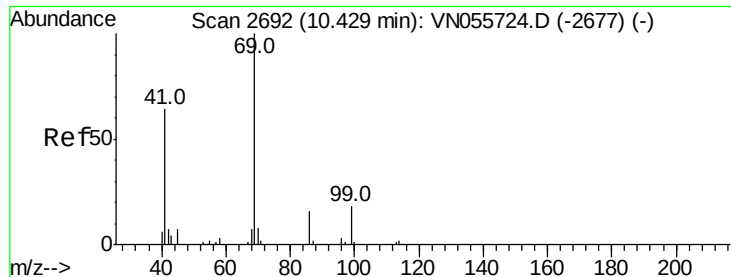


#50

1,1,2-Trichloroethane
Concen: 19.756 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp Lower	Upper
97	100		
83	87.4	68.9	103.3
85	55.5	44.3	66.5
99	63.0	51.4	77.0





#51

Ethyl methacrylate

Concen: 18.916 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

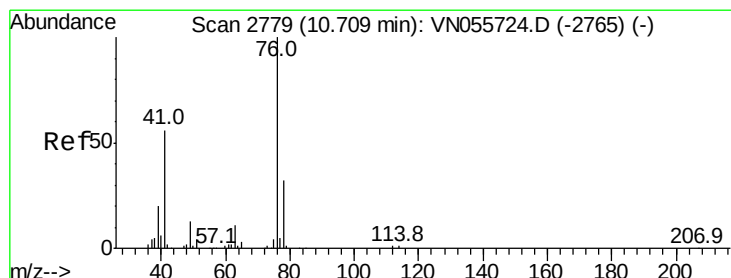
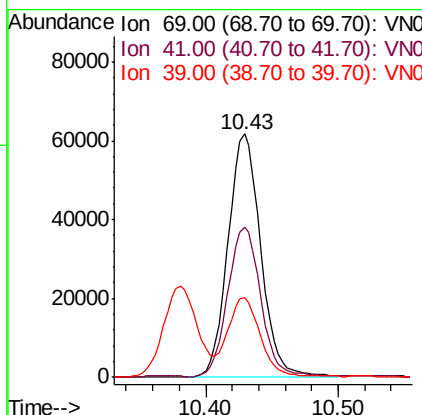
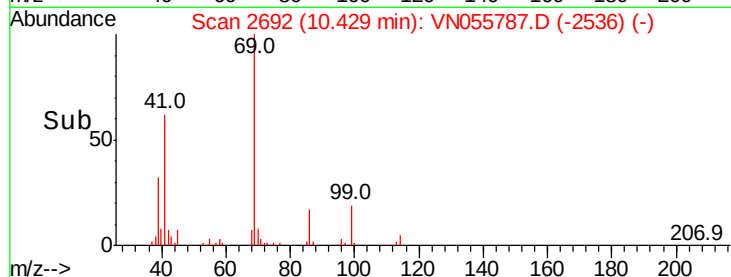
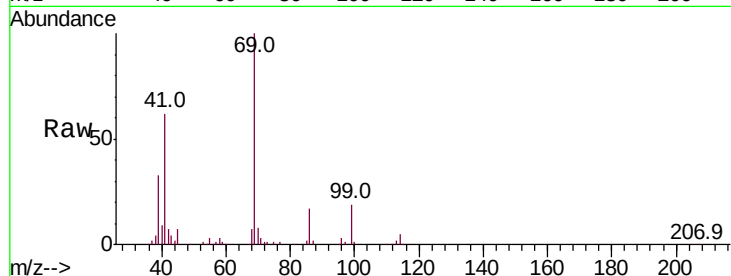
ClientSampleId :

VN0524WBS01

Tot Ion:	69	Resp:	106410
Ion	Ratio	Lower	Upper
69	100		
41	61.5	31.9	95.7
39	32.1	15.7	47.0

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.208 ug/l

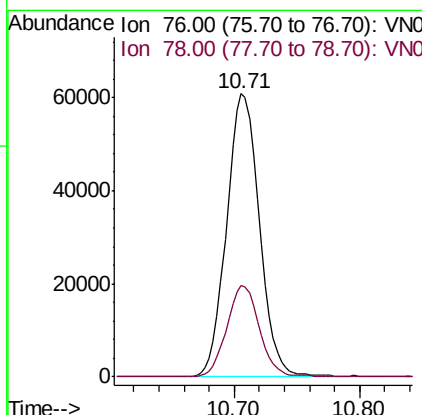
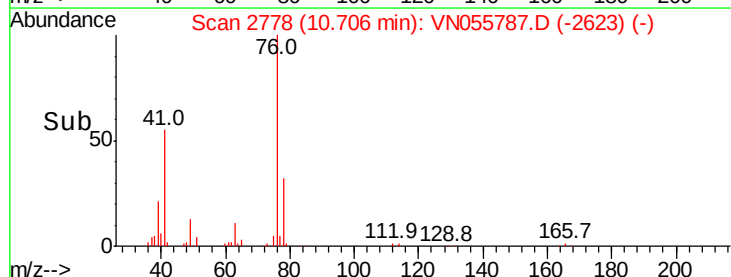
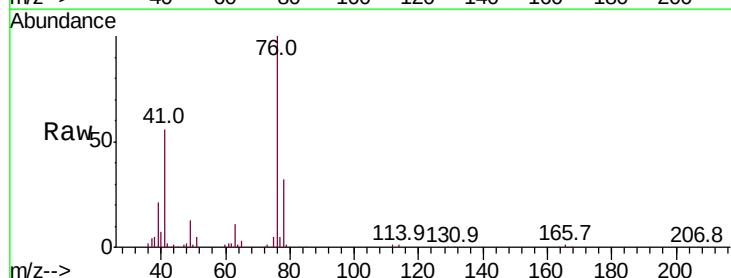
RT: 10.71 min Scan# 2778

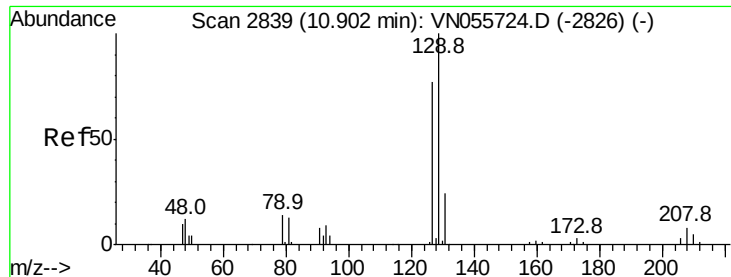
Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	76	Resp:	110498
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.0





#53

Dibromochloromethane

Concen: 19.052 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion:129 Resp: 78550

Ion Ratio Lower Upper

129 100

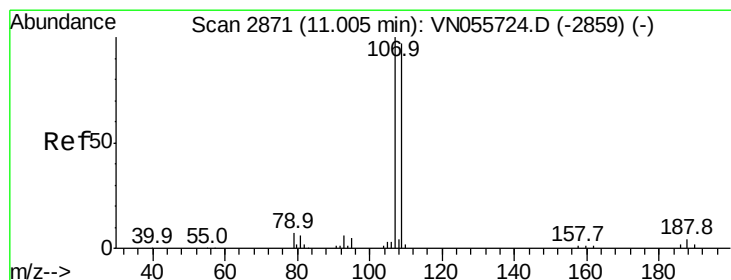
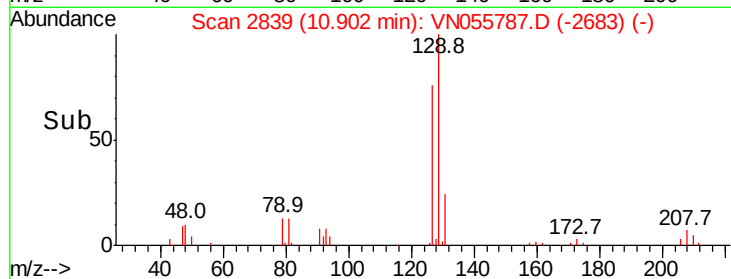
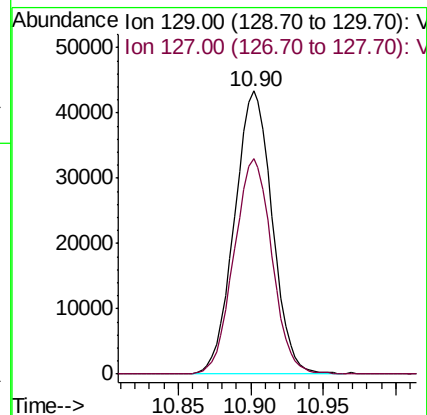
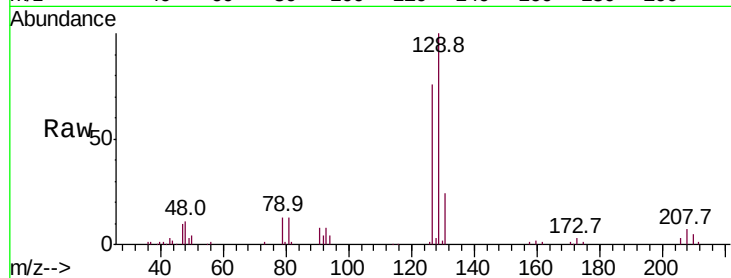
127 76.3 39.2 117.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.668 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055787.D

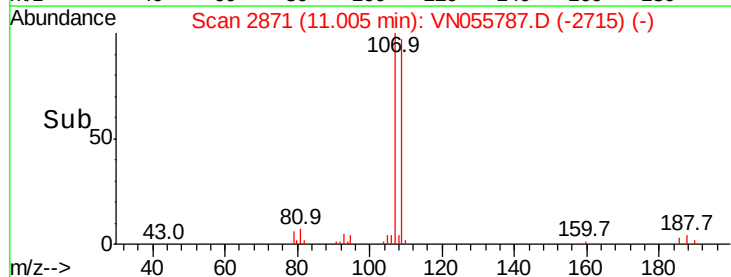
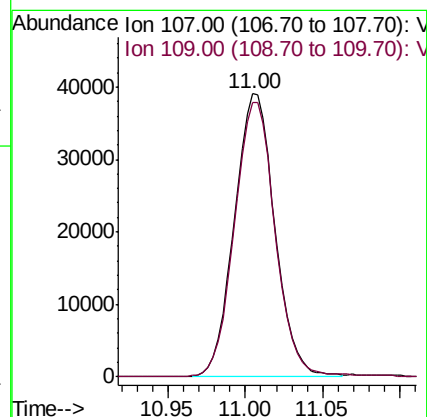
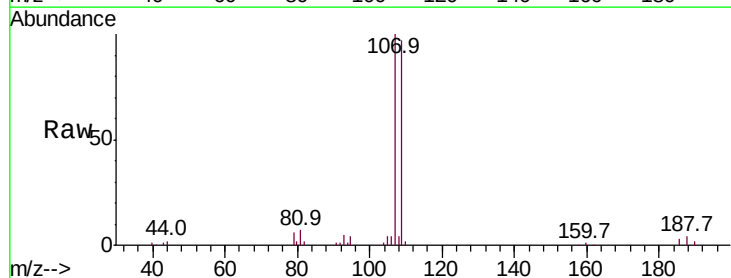
Acq: 24 May 2019 11:32

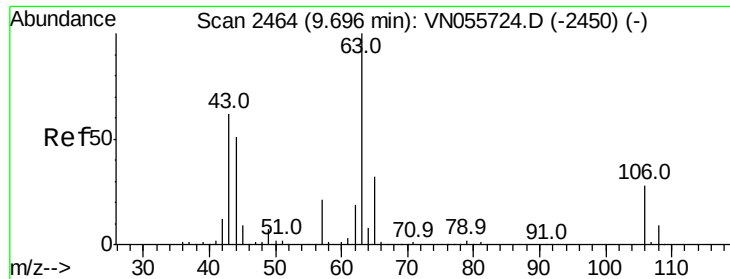
Tgt Ion:107 Resp: 71031

Ion Ratio Lower Upper

107 100

109 97.5 76.6 115.0





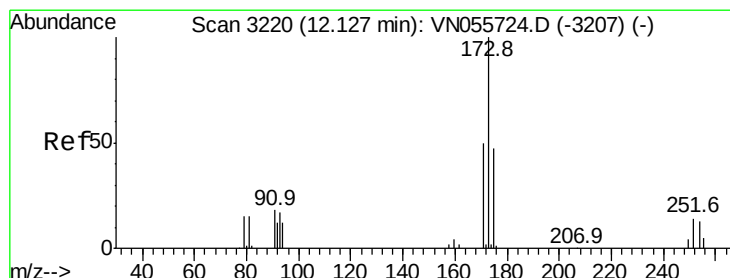
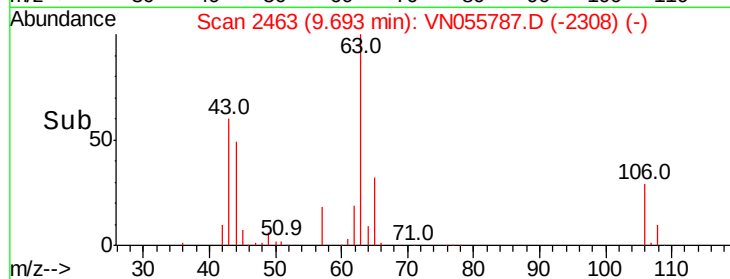
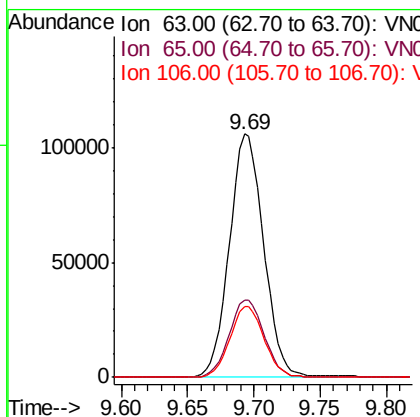
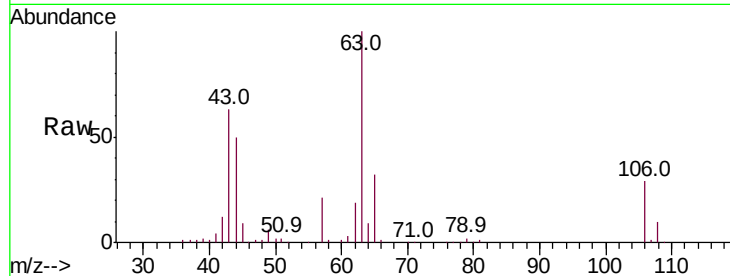
#55
2-Chloroethyl vinyl ether
Concen: 87.191 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.4	38.0
106	29.0	22.1	33.1

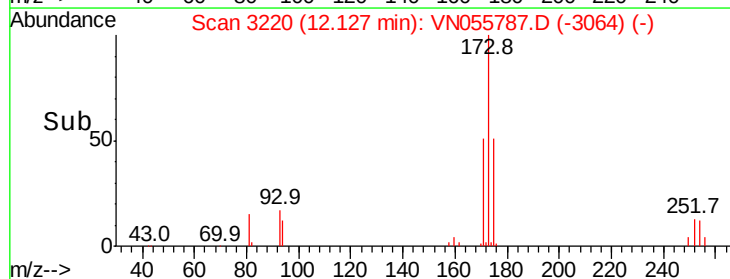
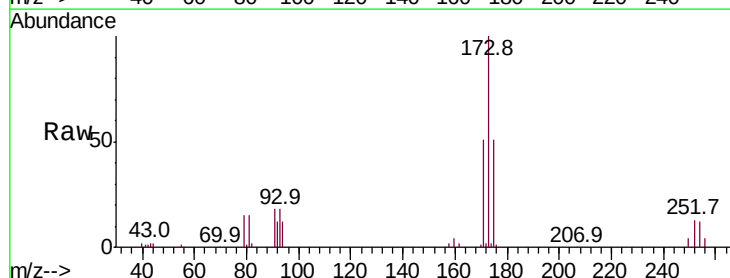
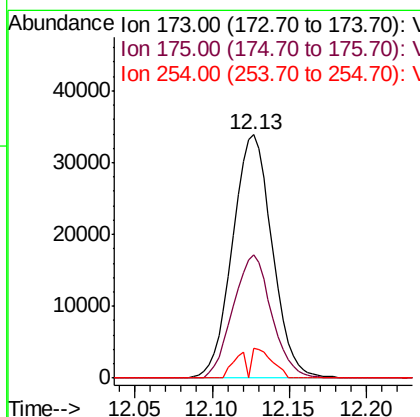
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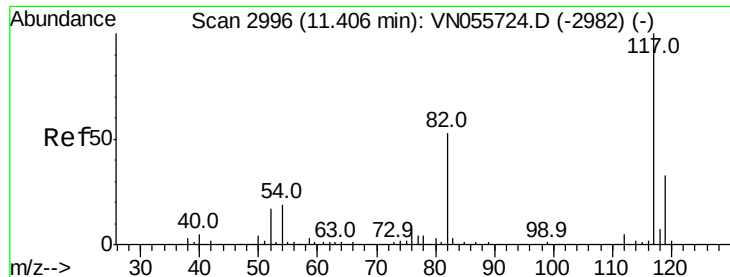
MMDadoda
5/28/2019 10:35:37 AM



#56
Bromoform
Concen: 17.865 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.5	57.7
254	6.3	9.4	14.0





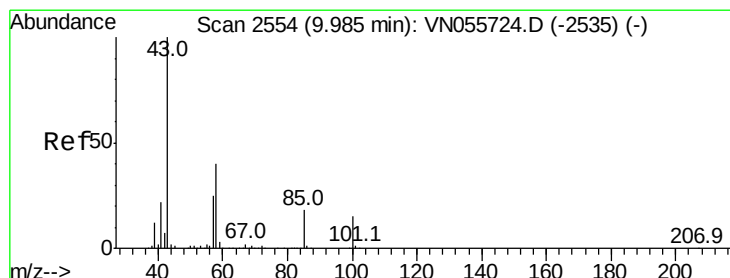
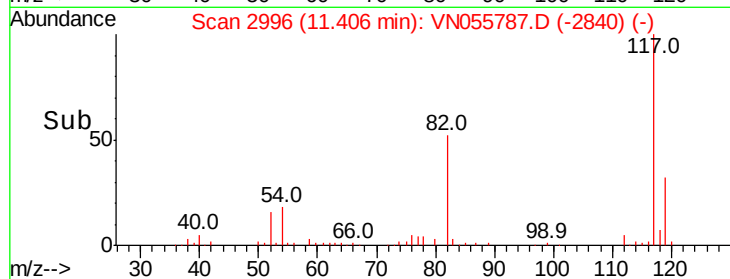
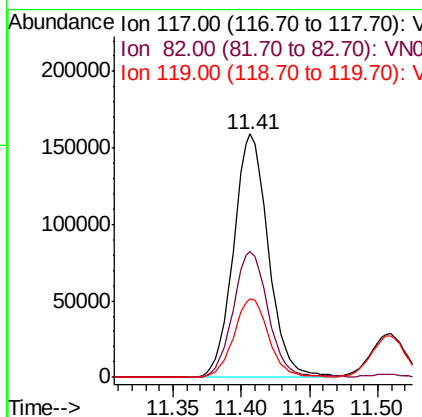
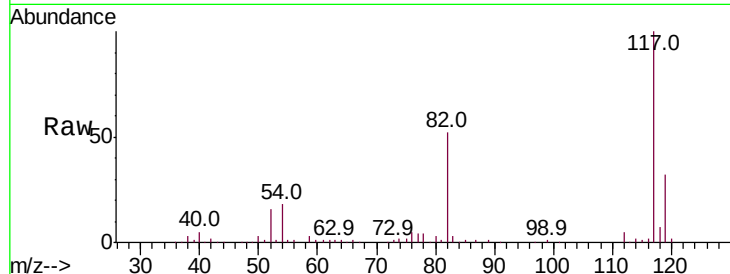
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282149		
82	52.2		42.6	64.0
119	32.1		25.9	38.9

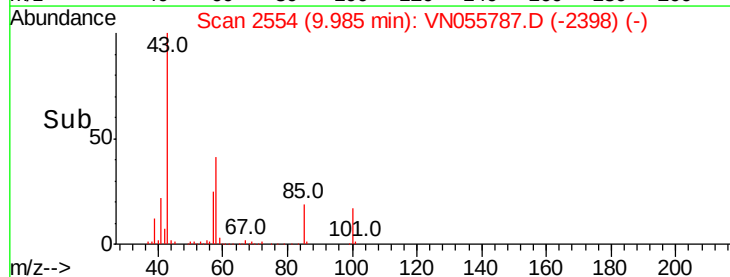
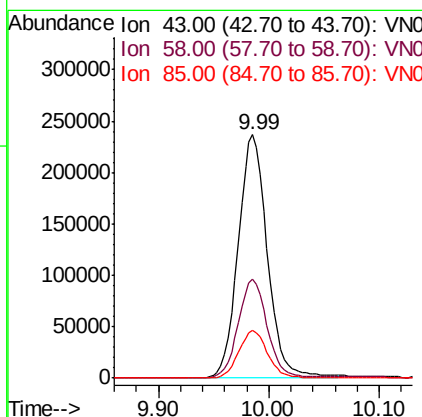
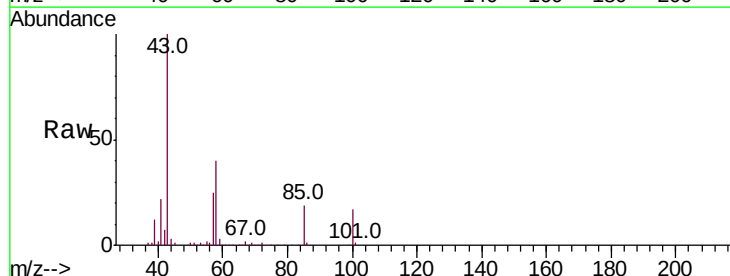
Manual Integrations
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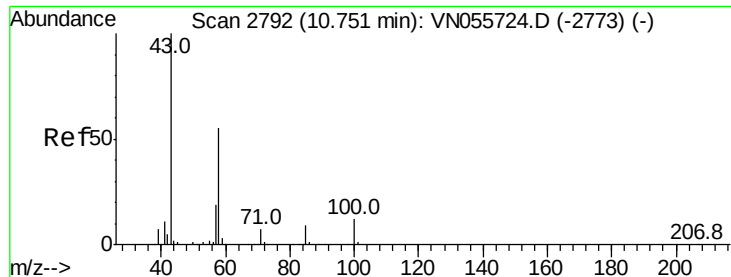
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 92.687 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	432927		
58	40.8		31.7	47.5
85	19.3		14.5	21.7





#59

2-Hexanone

Concen: 90.503 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

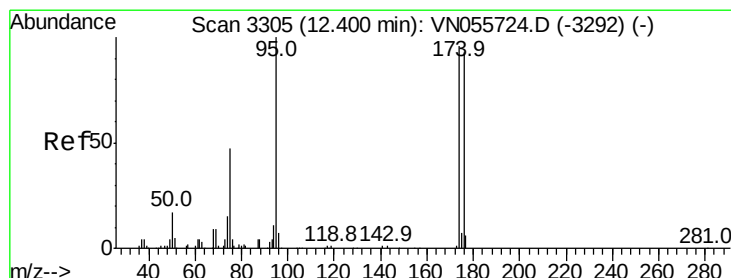
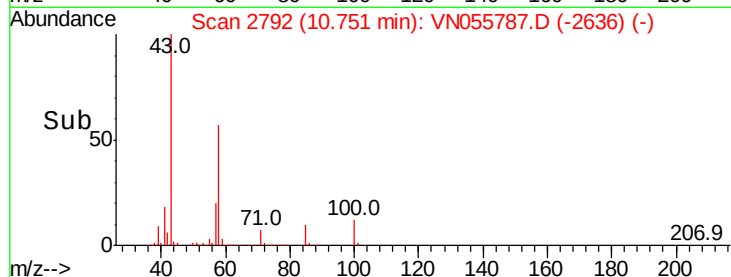
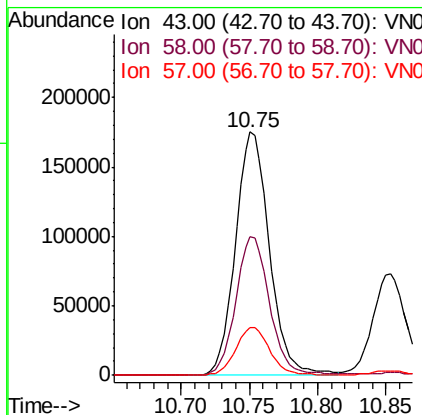
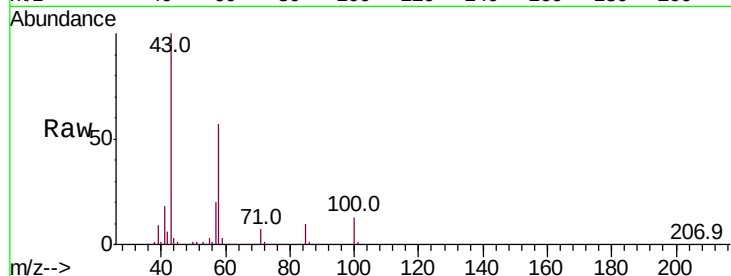
ClientSampleId :

VN0524WBS01

Tot Ion:	43	Resp:	302213
Ion Ratio		Lower	Upper
43	100		
58	57.2	44.8	67.2
57	19.8	15.3	22.9

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#60

4-Bromofluorobenzene

Concen: 28.564 ug/l

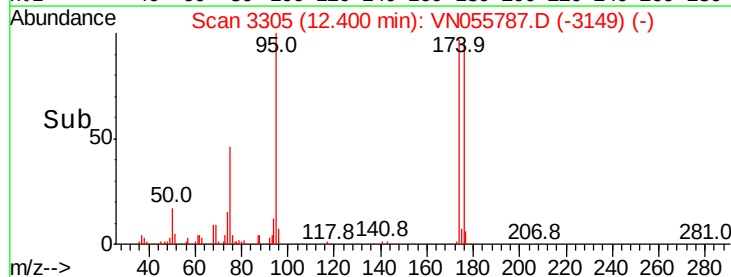
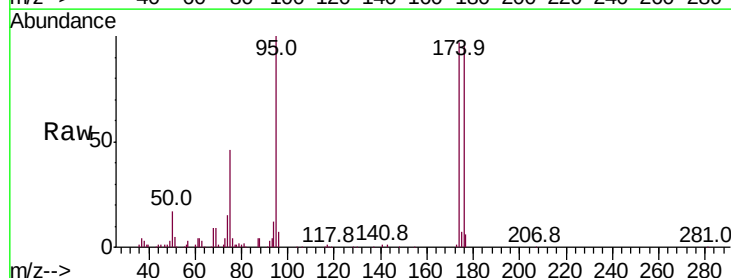
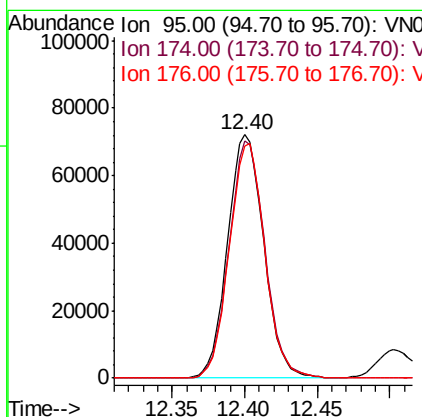
RT: 12.40 min Scan# 3305

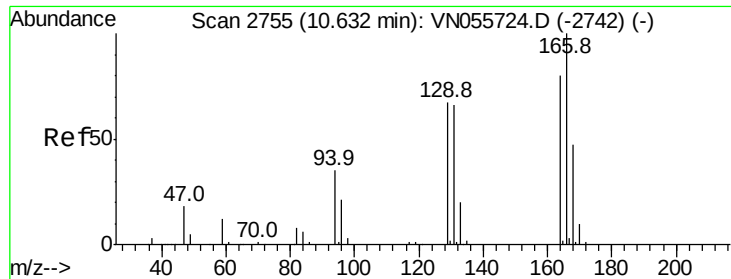
Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	95	Resp:	125374
Ion Ratio		Lower	Upper
95	100		
174	96.1	75.7	113.5
176	94.2	74.1	111.1





#61

Tetrachloroethene

Concen: 20.992 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion:164 Resp: 80177

Ion Ratio Lower Upper

164 100

166 127.3 100.6 150.8

129 83.5 67.4 101.2

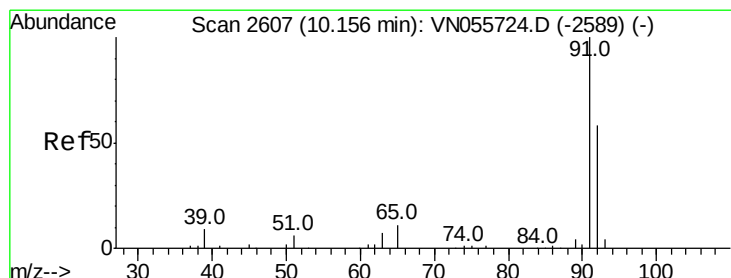
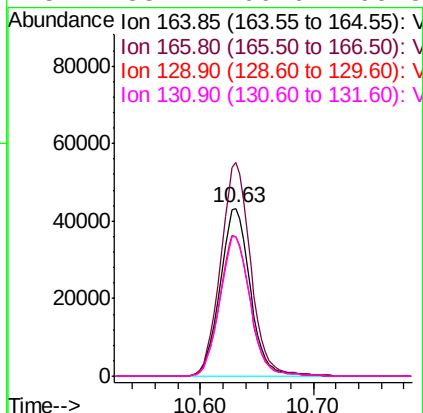
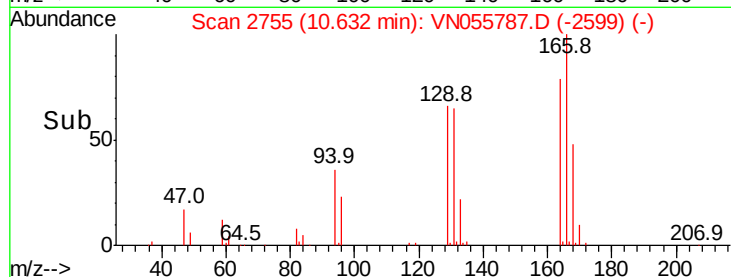
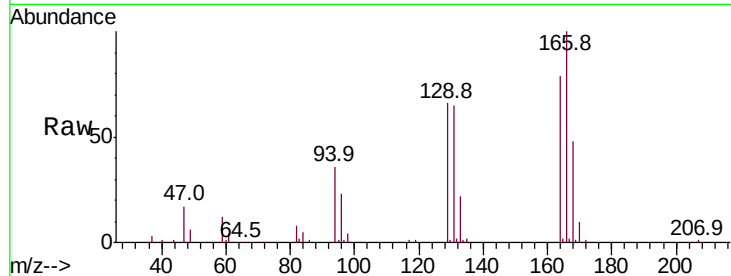
131 83.4 66.6 99.8

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#62

Toluene

Concen: 20.051 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055787.D

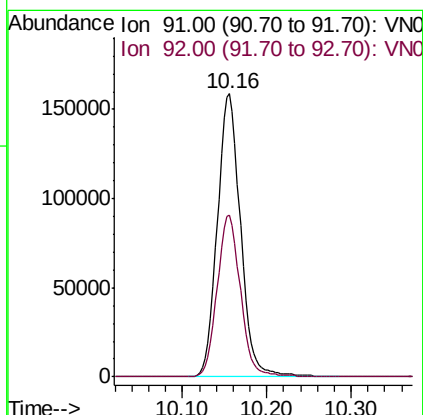
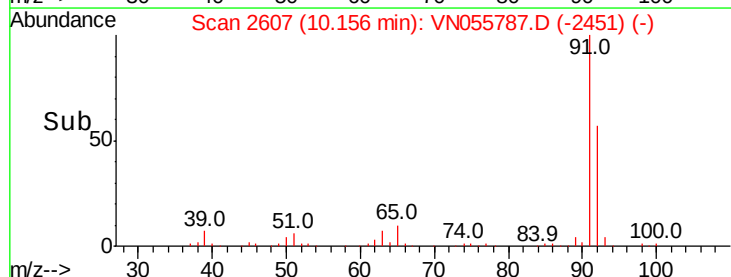
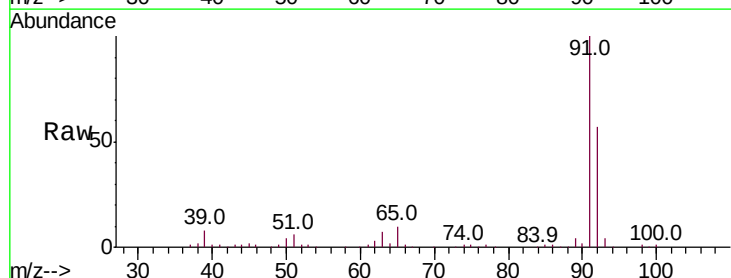
Acq: 24 May 2019 11:32

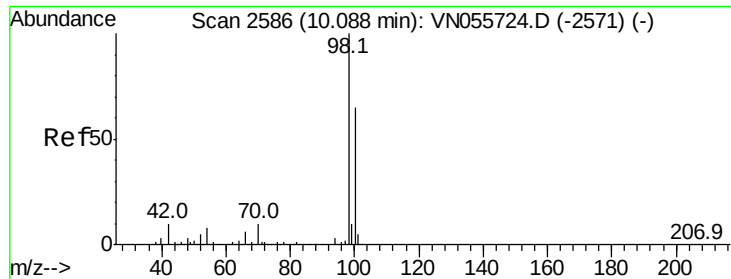
Tgt Ion: 91 Resp: 304225

Ion Ratio Lower Upper

91 100

92 57.4 45.6 68.4





#63

Toluene-d8

Concen: 29.682 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion: 98 Resp: 382723

Ion Ratio Lower Upper

98 100

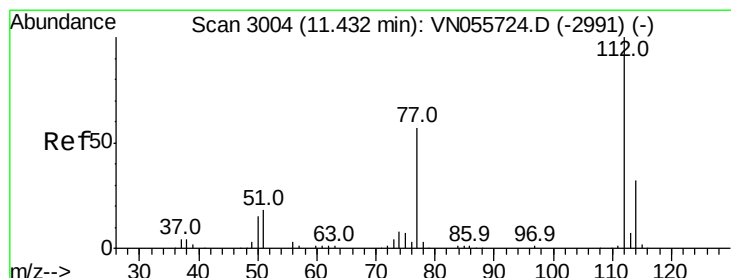
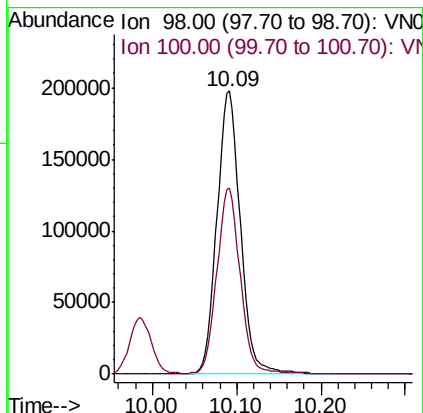
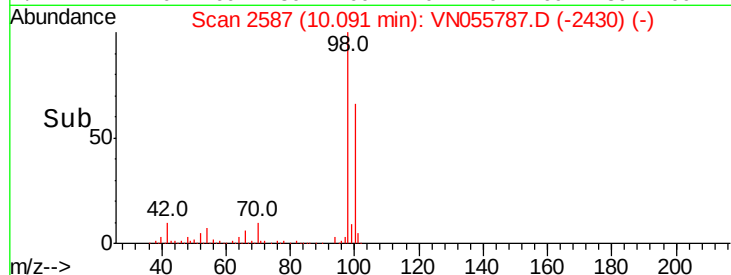
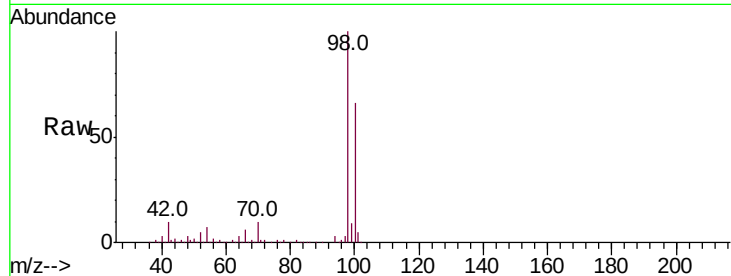
100 65.1 51.6 77.4

Manual Integrations

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#64

Chlorobenzene

Concen: 20.233 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN055787.D

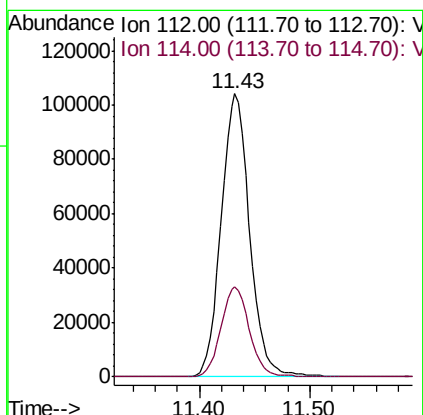
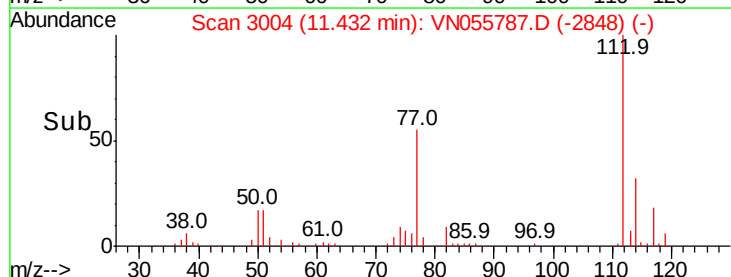
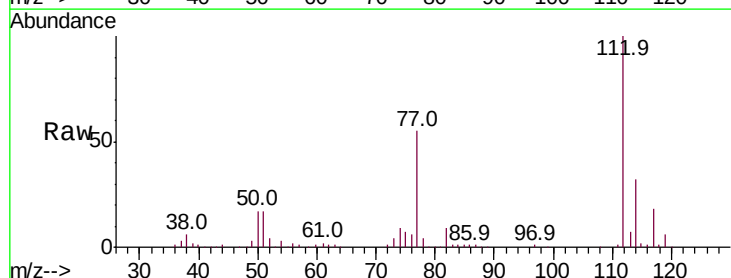
Acq: 24 May 2019 11:32

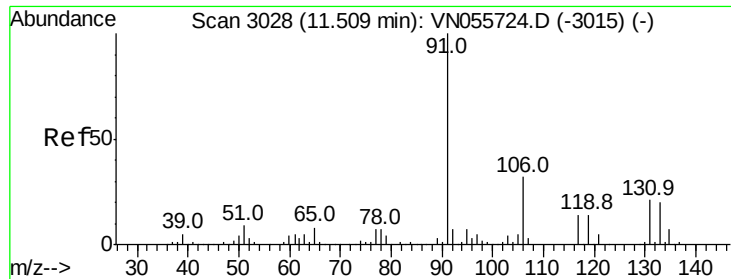
Tgt Ion: 112 Resp: 186224

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.618 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

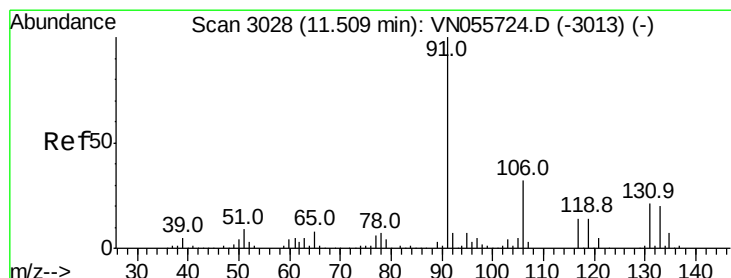
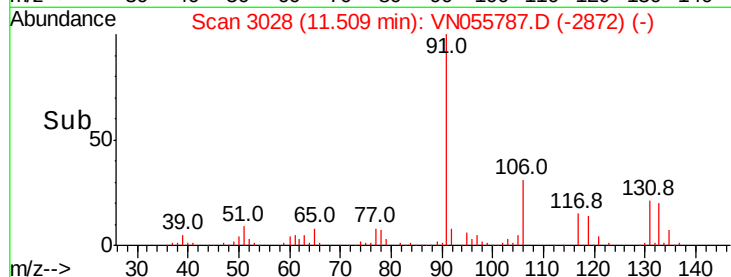
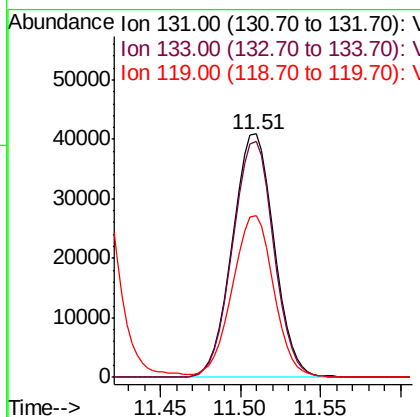
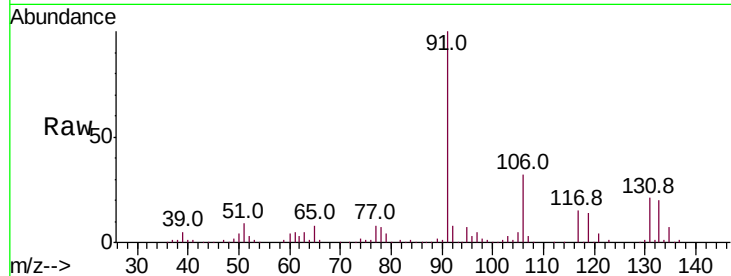
ClientSampled :

VN0524WBS01

Tot Ion:	131	Resp:	72753
Ion Ratio	Lower	Upper	
131	100		
133	96.0	0.0	188.8
119	66.3	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.762 ug/l

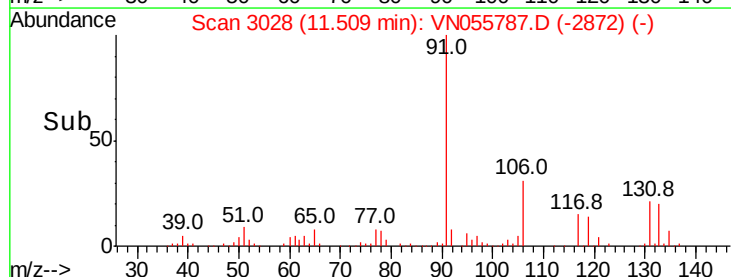
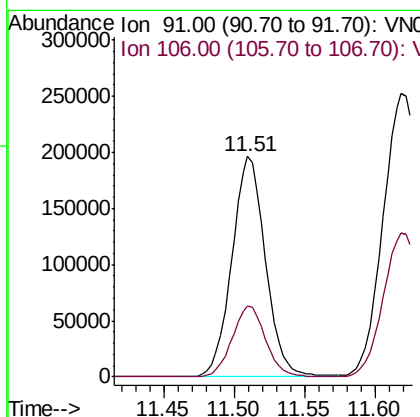
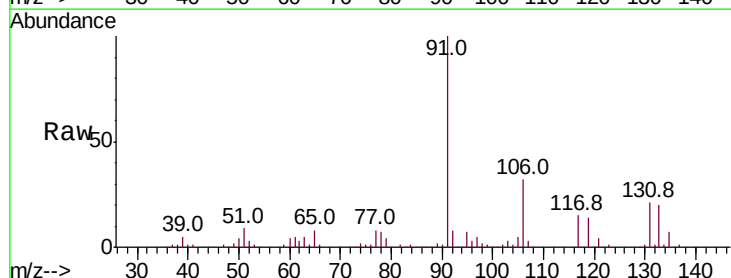
RT: 11.51 min Scan# 3028

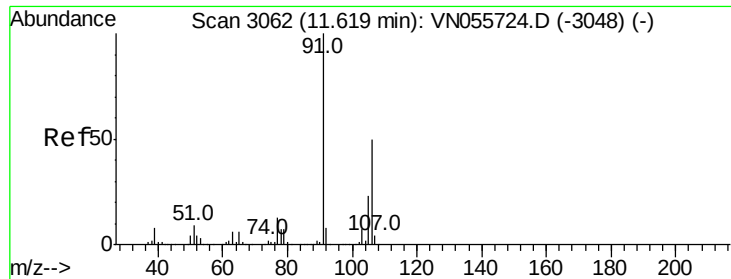
Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	91	Resp:	327614
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.6	38.4





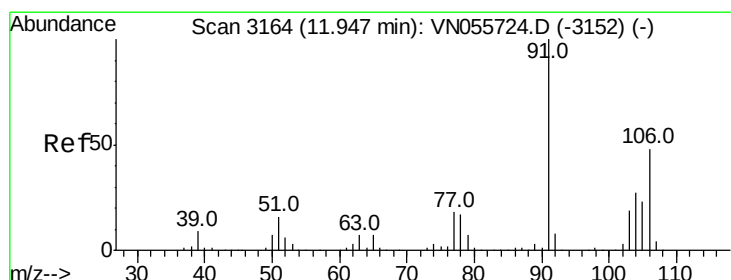
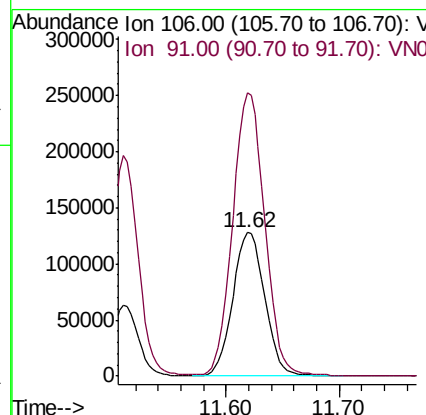
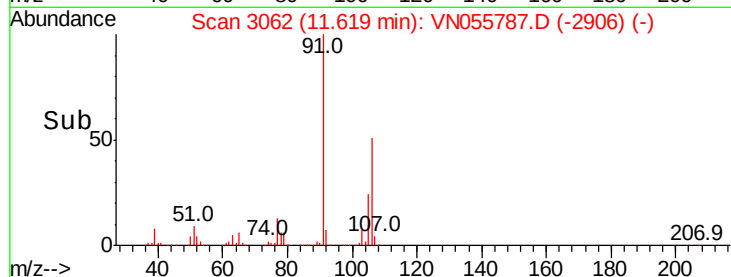
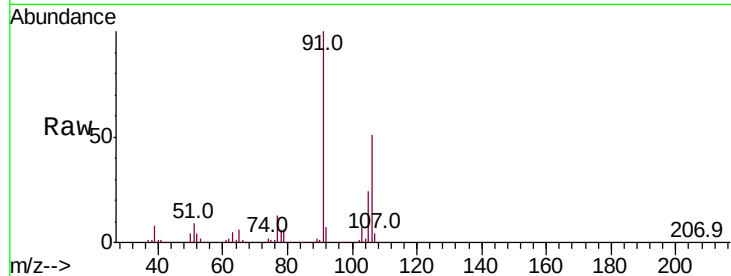
#67
m/p-Xylenes
Concen: 39.995 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	198.3	159.5	239.3

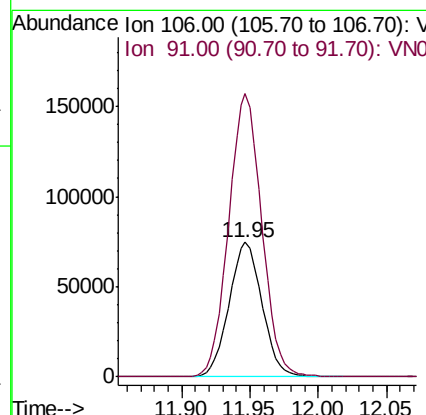
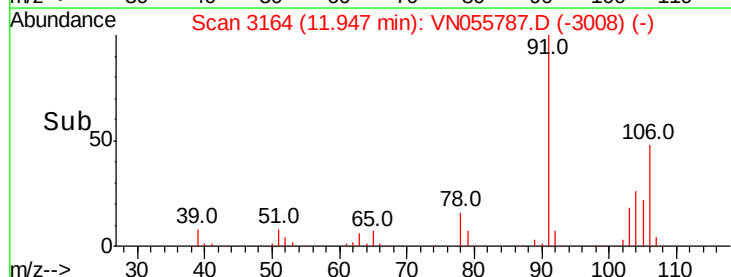
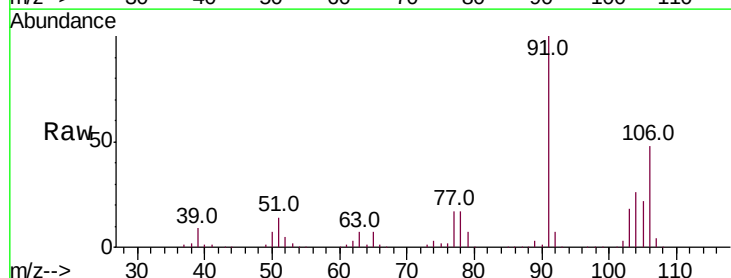
Manual Integrations
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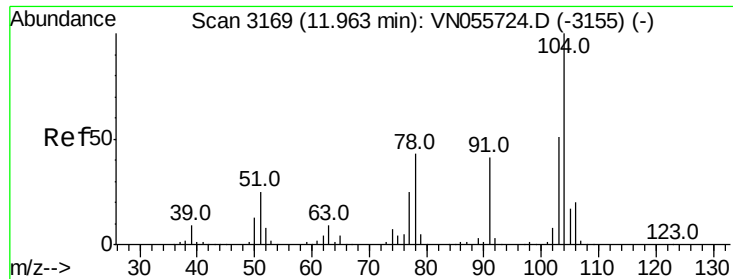
MMDadoda
5/28/2019 10:35:37 AM



#68
o-Xylene
Concen: 20.169 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	210.4	105.4	316.1





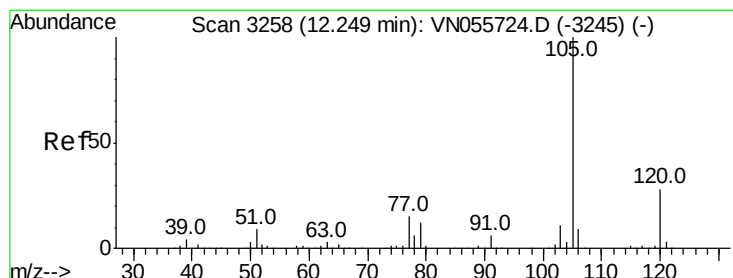
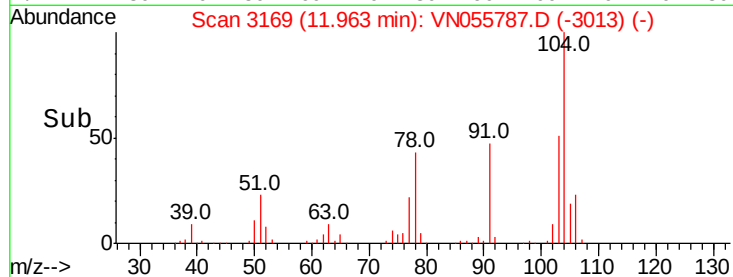
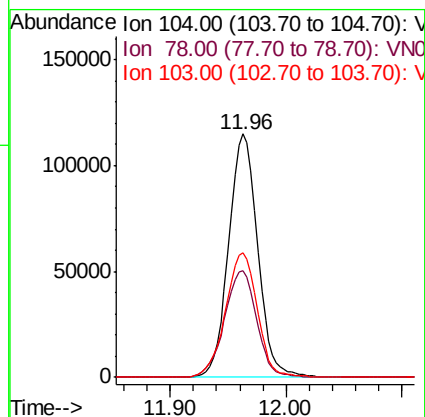
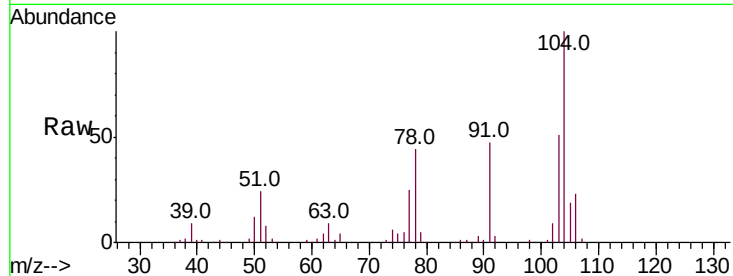
#69
Stvrene
Concen: 19.310 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.9	38.7	58.1
103	56.1	45.0	67.6

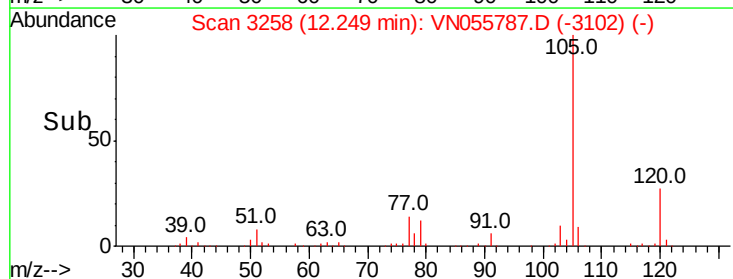
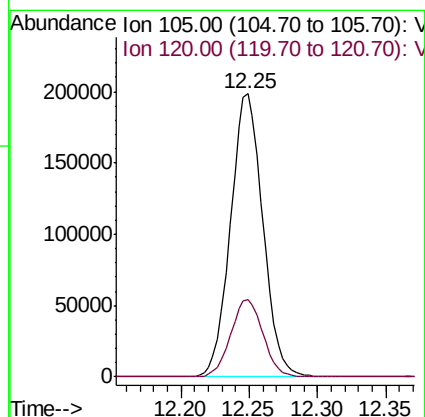
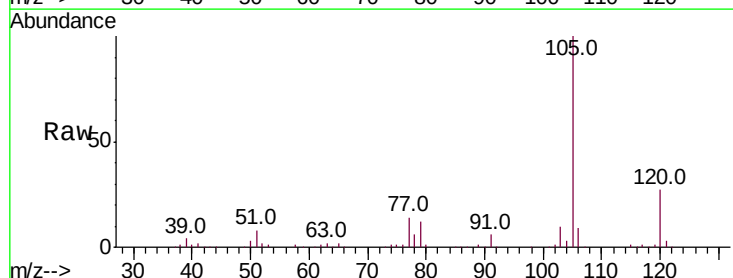
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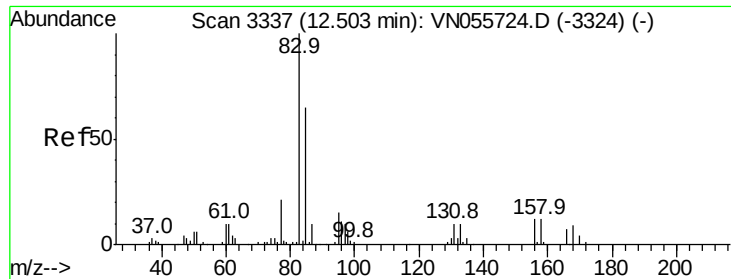
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#70
Isopropylbenzene
Concen: 20.016 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	19.2	35.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.056 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

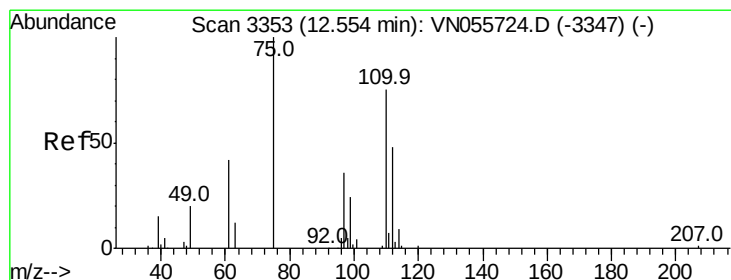
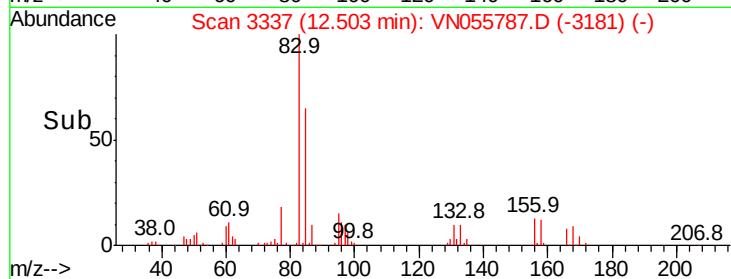
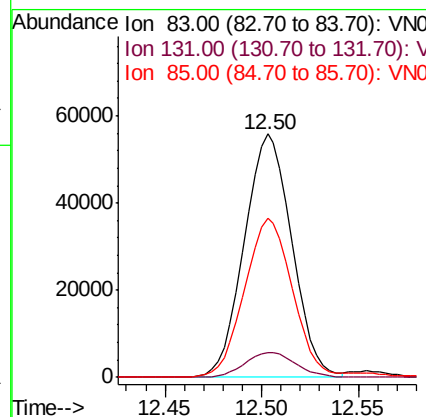
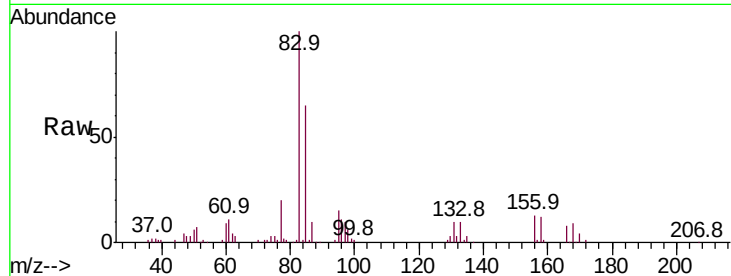
ClientSampled :

VN0524WBS01

Tot Ion:	83	Resp:	95624
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.8
85	65.8	32.3	96.9

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#72

1,2,3-Trichloropropane

Concen: 19.719 ug/l m

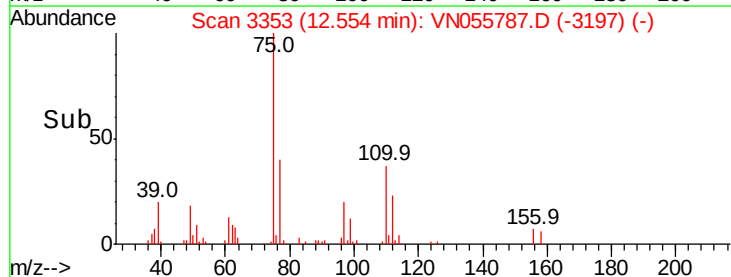
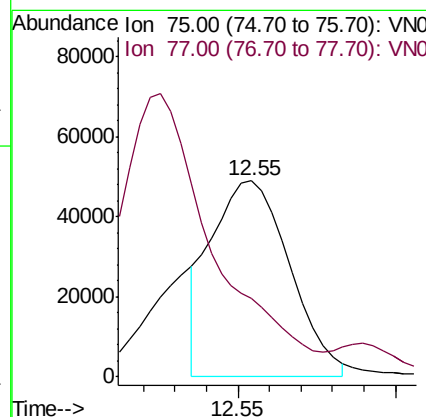
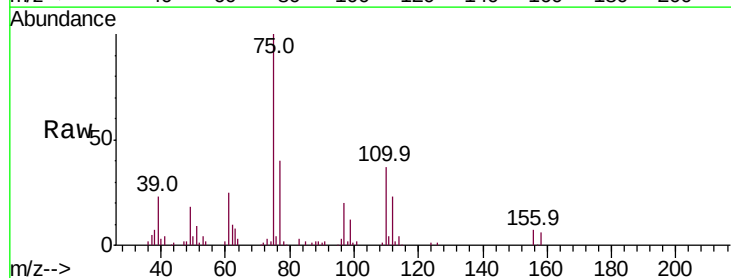
RT: 12.55 min Scan# 3353

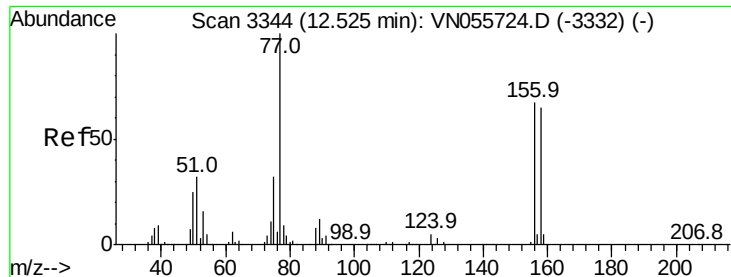
Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	75	Resp:	85162
Ion Ratio	Lower	Upper	
75	100		
77	174.9	0.0	349.8





#73

Bromobenzene

Concen: 19.842 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

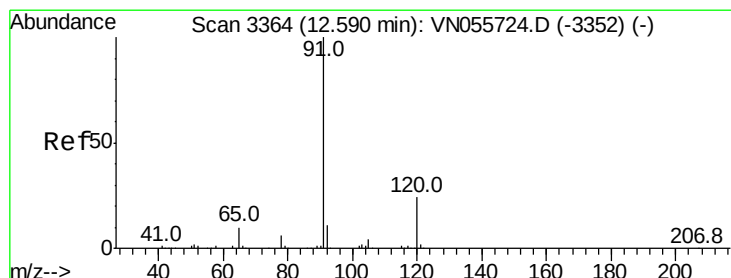
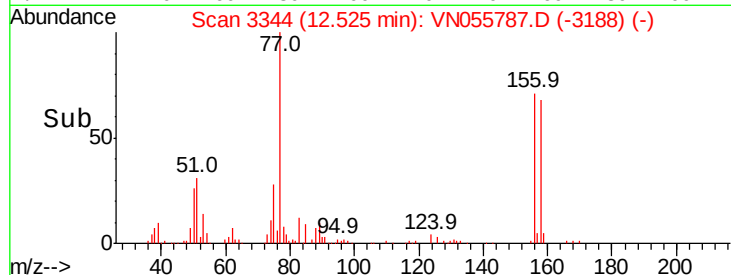
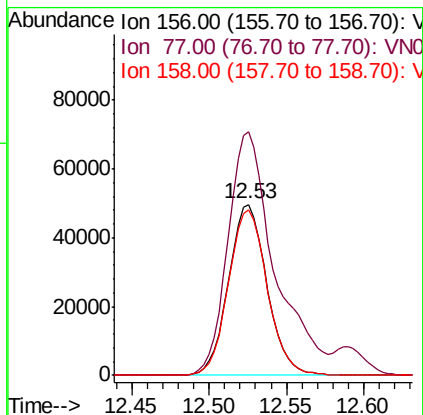
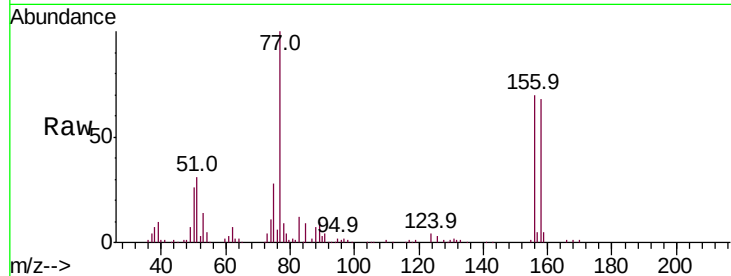
ClientSampleId :

VN0524WBS01

Tot Ion:	156	Resp:	85593
Ion Ratio	Lower	Upper	
156	100		
77	174.0	0.0	368.0
158	97.7	0.0	195.0

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#74

n-propylbenzene

Concen: 19.496 ug/l

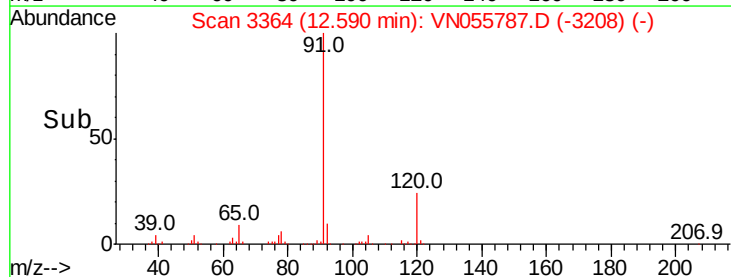
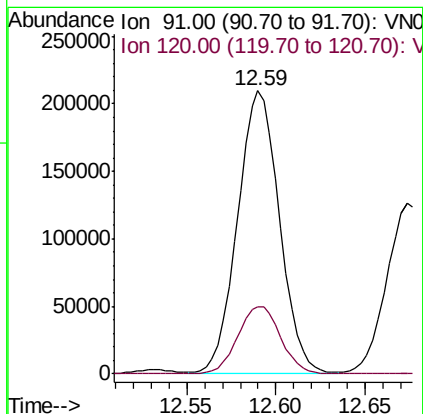
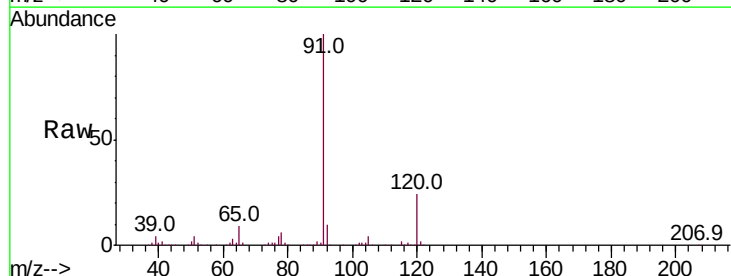
RT: 12.59 min Scan# 3364

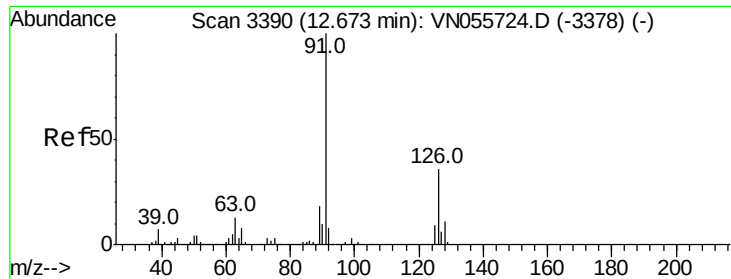
Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	91	Resp:	342858
Ion Ratio	Lower	Upper	
91	100		
120	24.3	0.0	47.4





#75

2-Chlorotoluene

Concen: 19.767 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VN0524WBS01

Tot Ion: 91 Resp: 212339

Ion Ratio Lower Upper

91 100

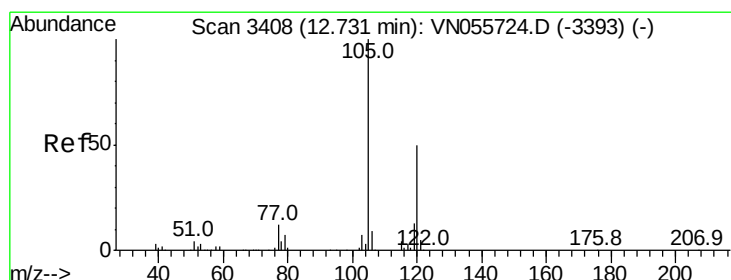
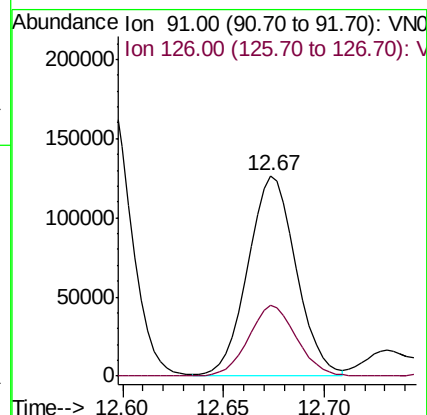
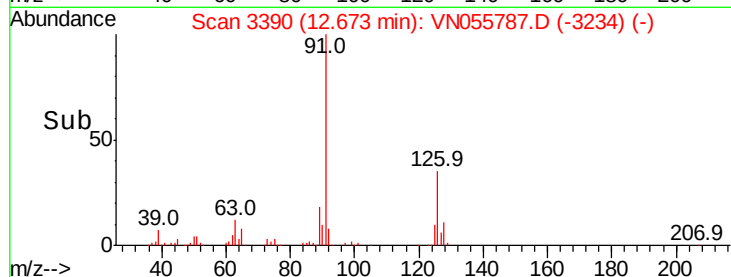
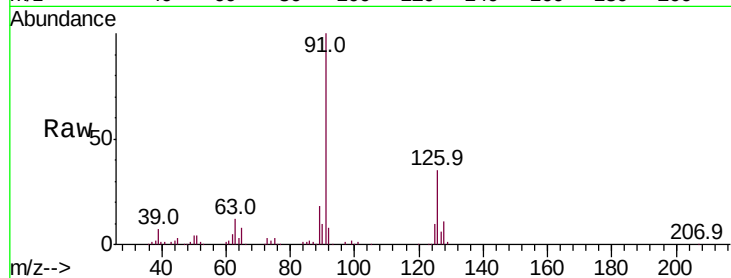
126 35.2 0.0 71.0

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.084 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055787.D

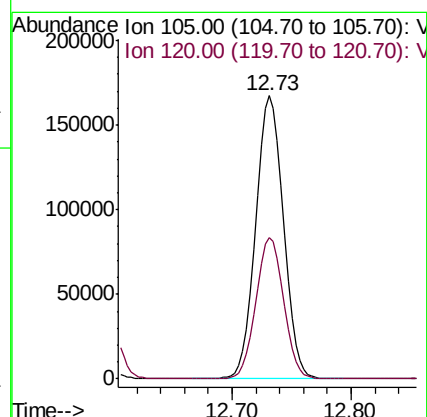
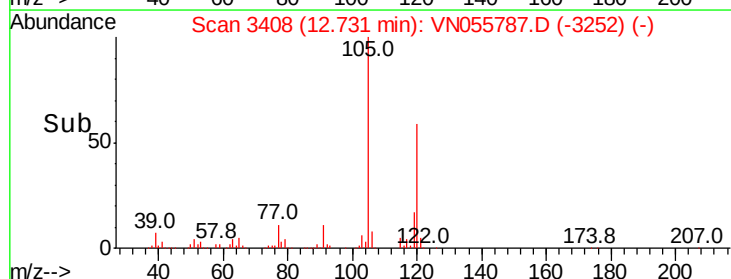
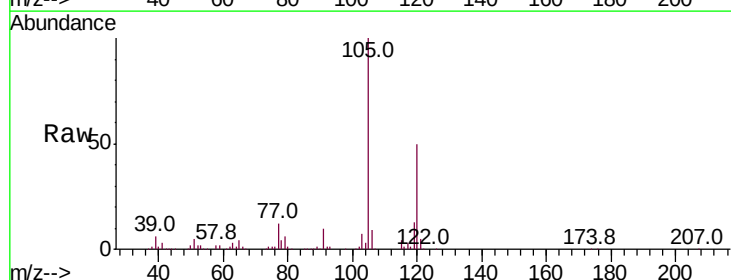
Acq: 24 May 2019 11:32

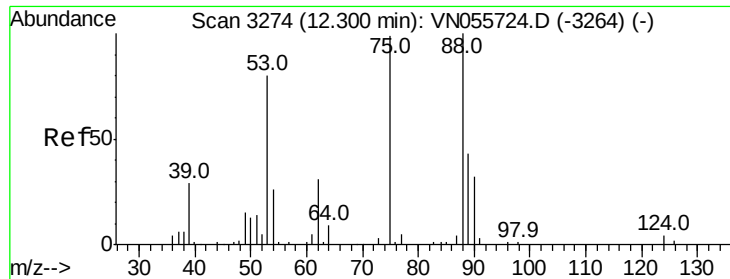
Tgt Ion: 105 Resp: 270695

Ion Ratio Lower Upper

105 100

120 49.8 0.0 99.2





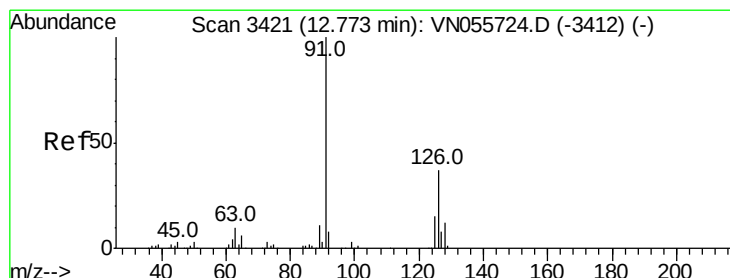
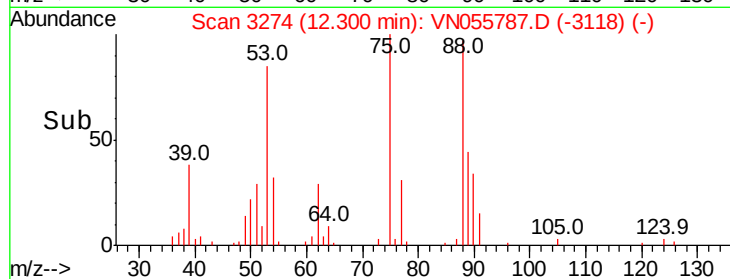
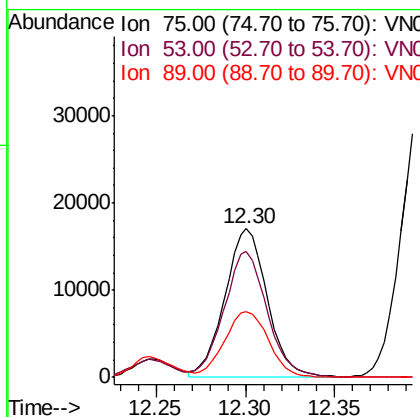
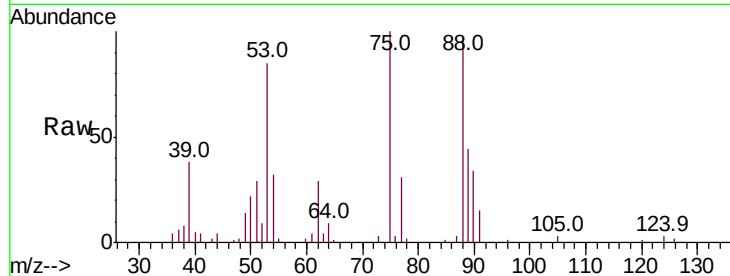
#77
t-1,4-Dichloro-2-butene
Concen: 16.466 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.7	40.1	120.3
89	44.3	22.6	67.8

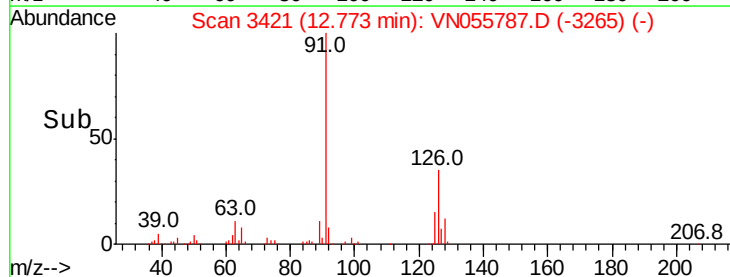
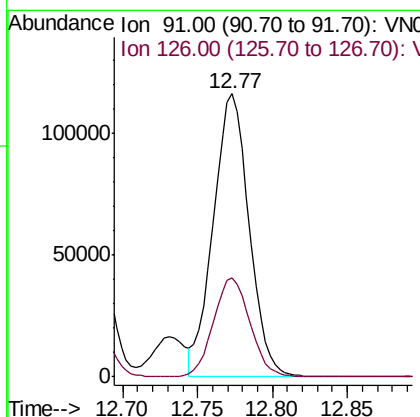
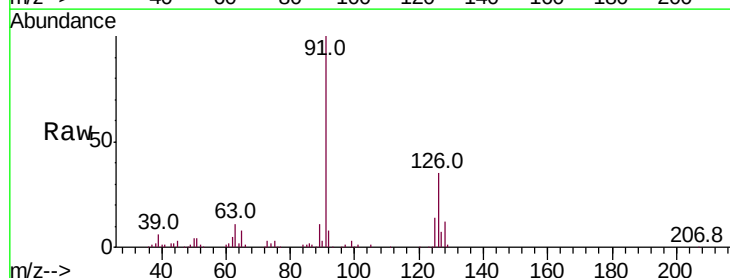
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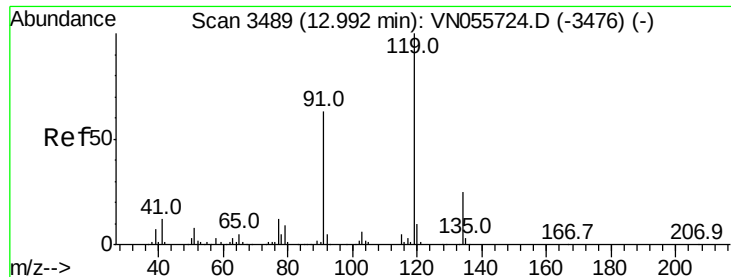
MMDadoda
5/28/2019 10:35:37 AM



#78
4-Chlorotoluene
Concen: 19.093 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	69.0





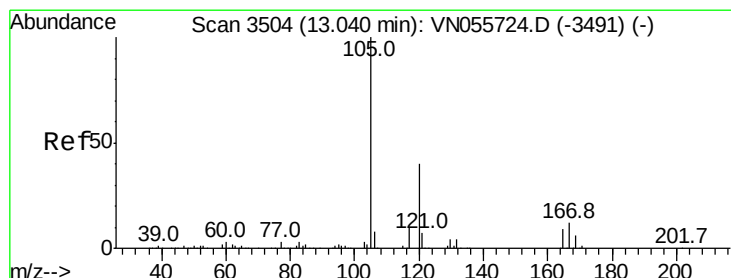
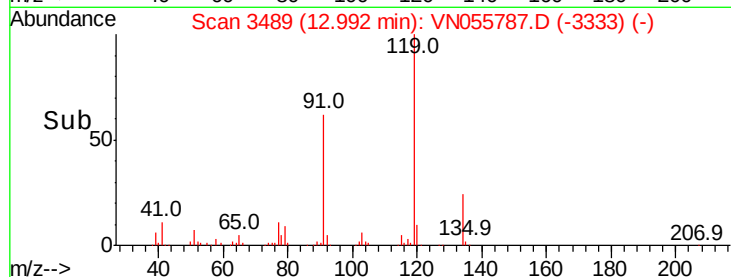
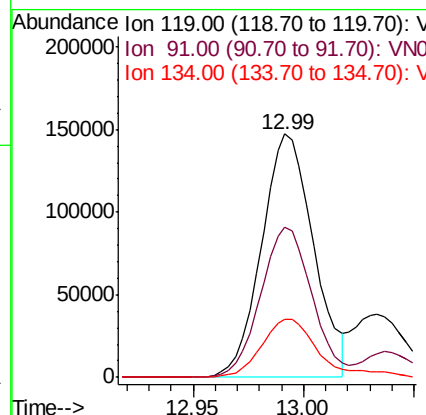
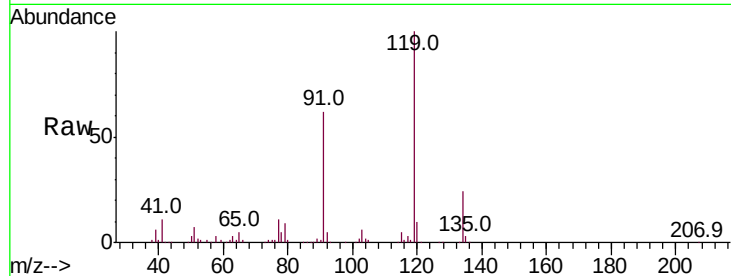
#79
tert-butylbenzene
Concen: 20.322 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	240789		
91	61.1	0.0	123.8	
134	26.3	0.0	52.6	

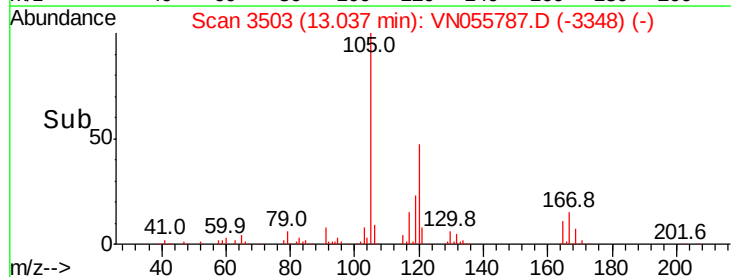
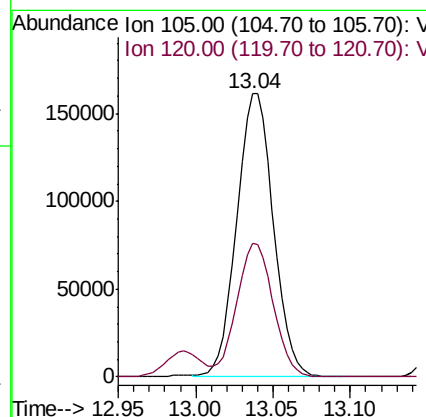
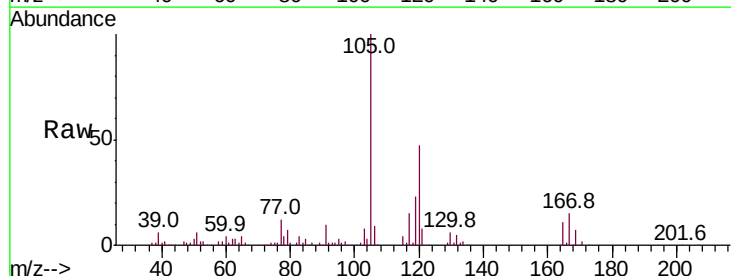
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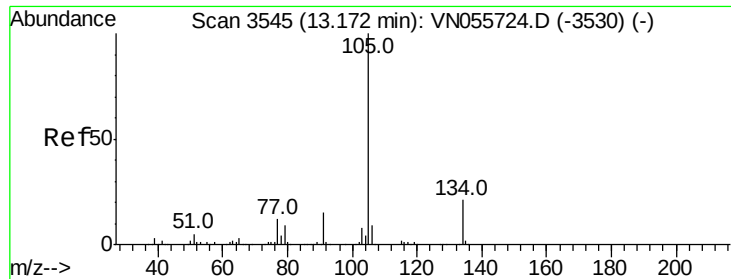
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.807 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	265013		
120	46.7	0.0	93.6	





#81

sec-Butylbenzene

Concen: 19.970 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VN0524WBS01

Tot Ion:105 Resp: 300634

Ion Ratio Lower Upper

105 100

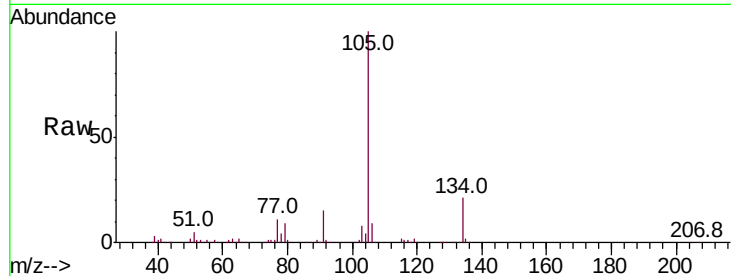
134 21.2 0.0 41.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

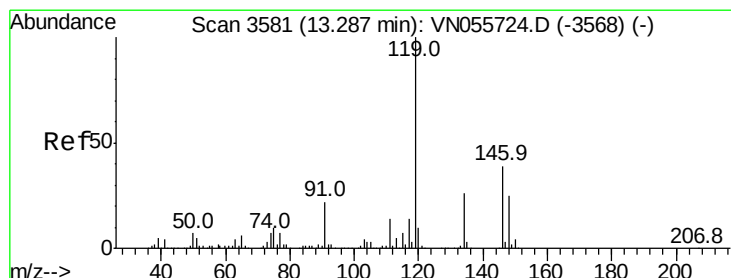
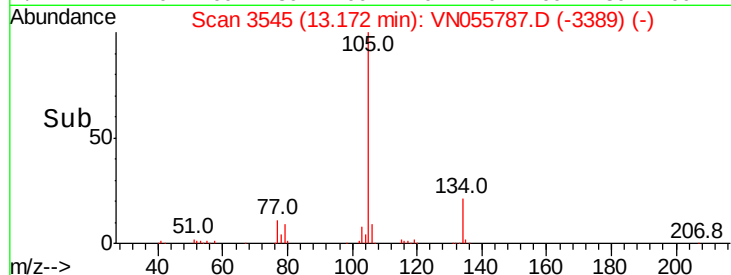
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.702 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

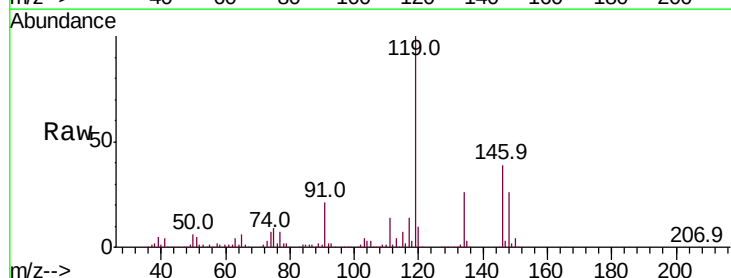
Tgt Ion:119 Resp: 272970

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.0

91 21.7 0.0 44.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

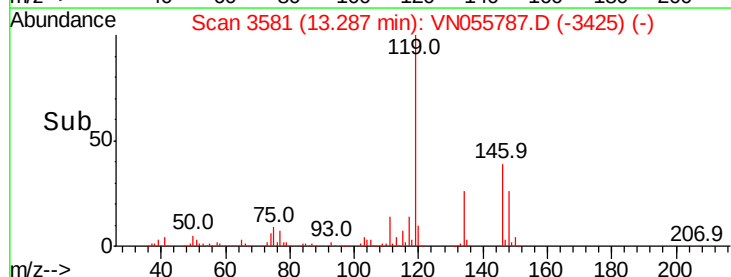
150000

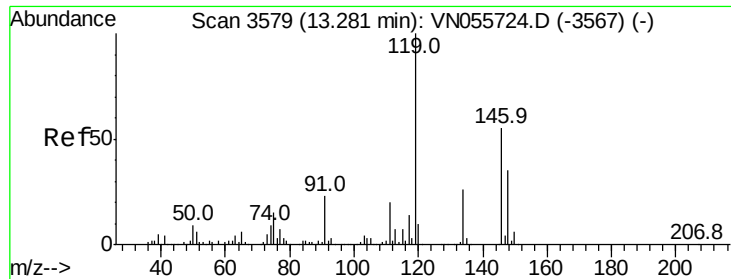
100000

50000

0

Time-->





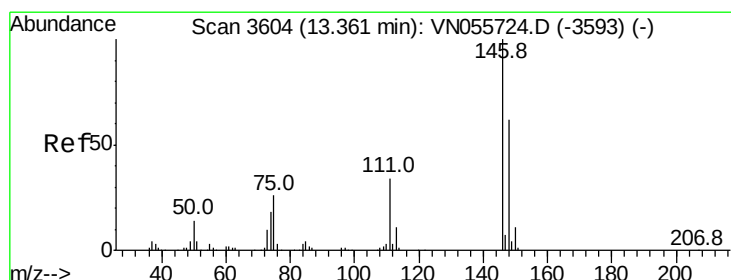
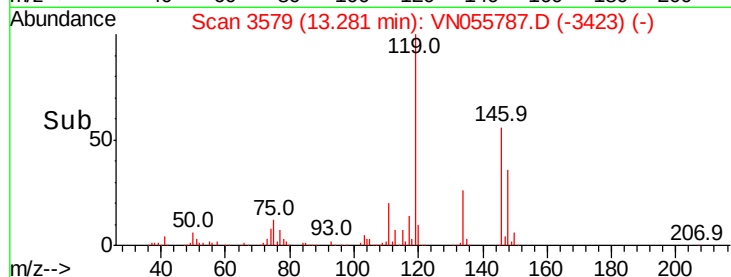
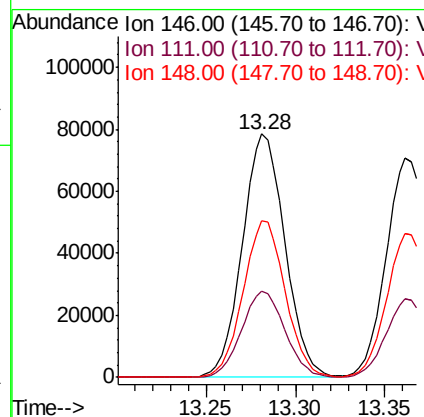
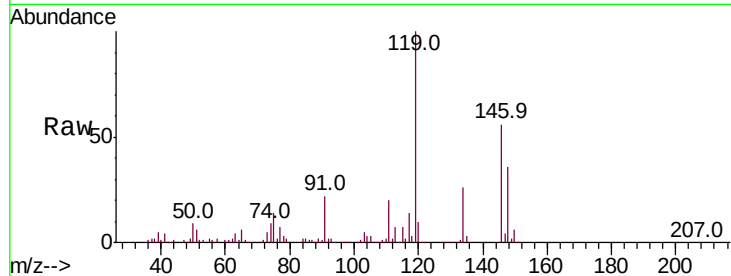
#83
 1,3-Dichlorobenzene
 Concen: 19.298 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampled :
 VN0524WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	55.6
148	63.9	32.2	96.6

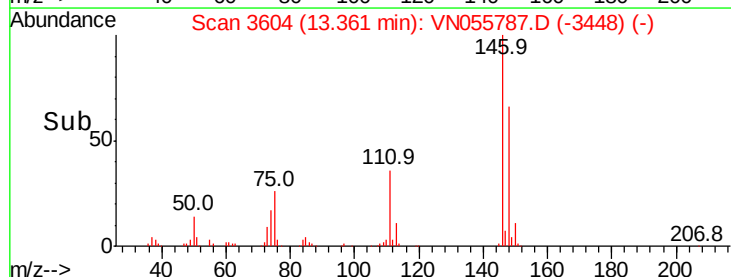
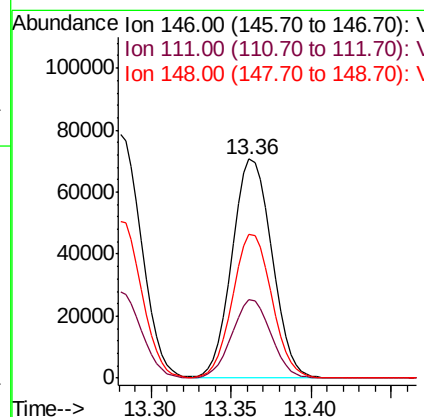
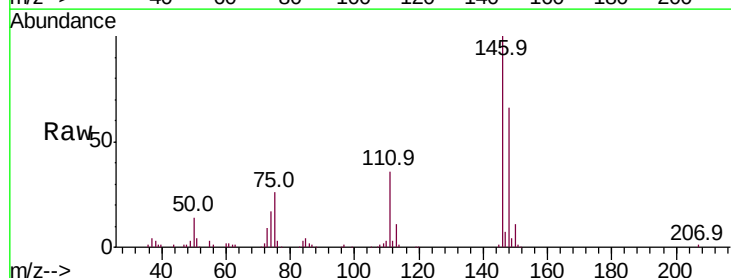
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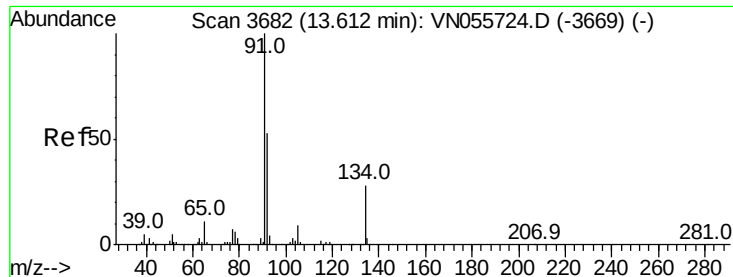
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#84
 1,4-Dichlorobenzene
 Concen: 18.631 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	17.5	52.6
148	64.9	31.8	95.4





#85

n-Butylbenzene

Concen: 18.410 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

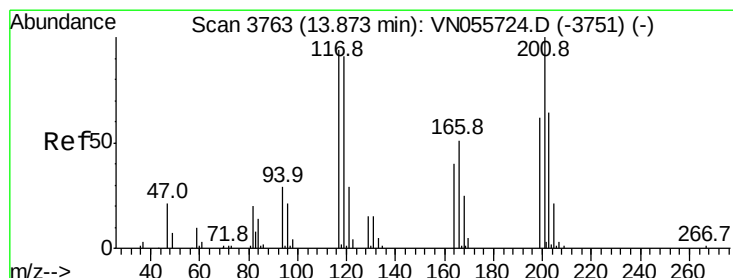
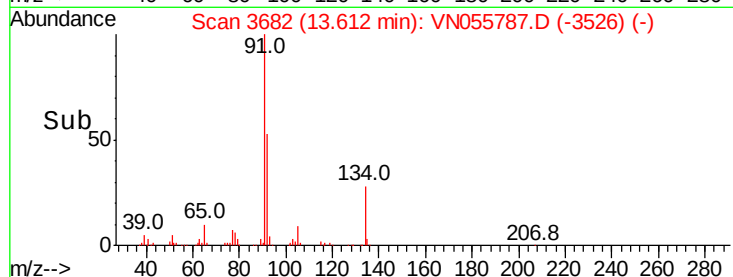
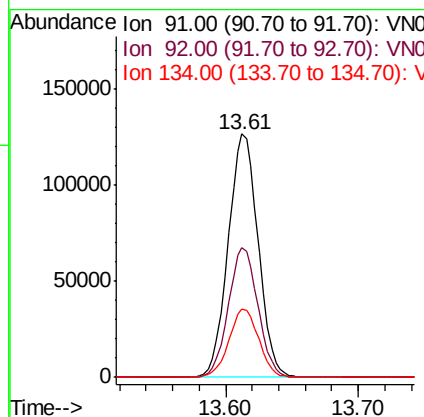
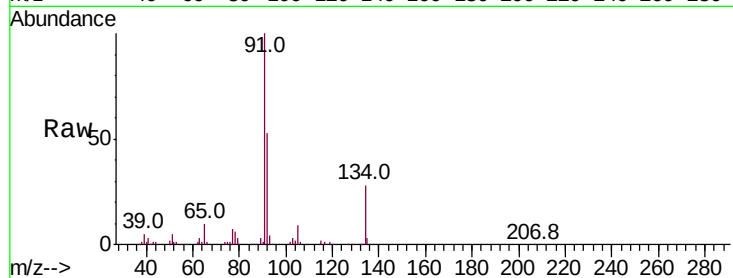
ClientSampled :

VN0524WBS01

Tot Ion:	91	Resp:	198437
Ion Ratio	Lower	Upper	
91	100		
92	52.6	0.0	106.8
134	27.8	0.0	55.2

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#86

Hexachloroethane

Concen: 17.990 ug/l

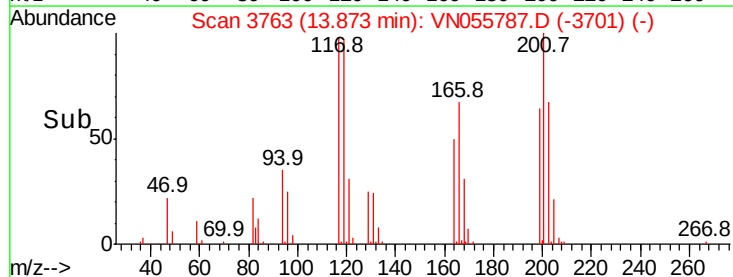
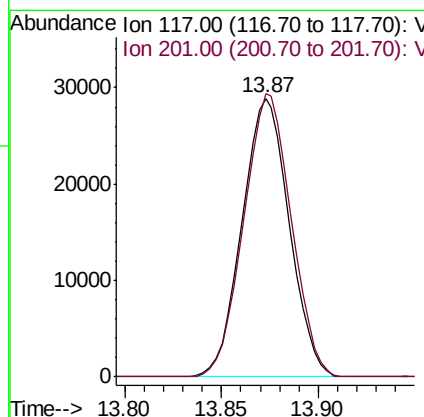
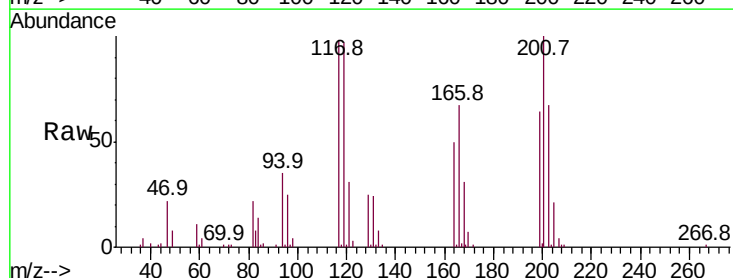
RT: 13.87 min Scan# 3763

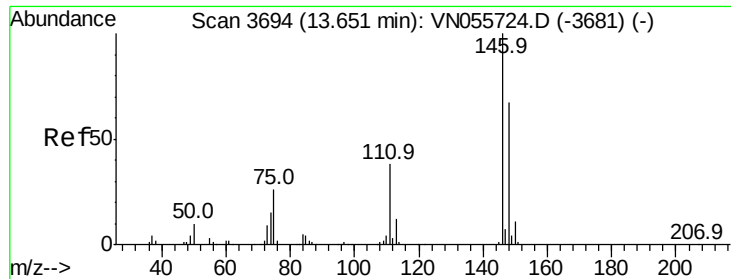
Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	117	Resp:	49025
Ion Ratio	Lower	Upper	
117	100		
201	102.2	52.5	157.6





#87

1,2-Dichlorobenzene

Concen: 19.437 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Instrument :

MSVOA_N

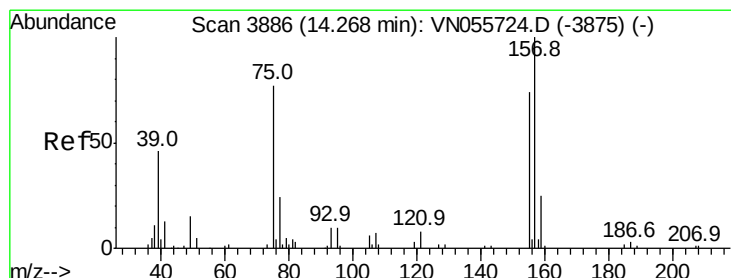
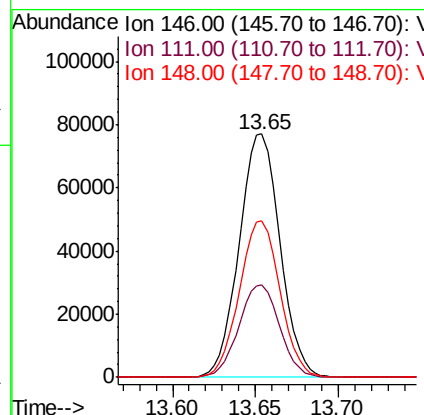
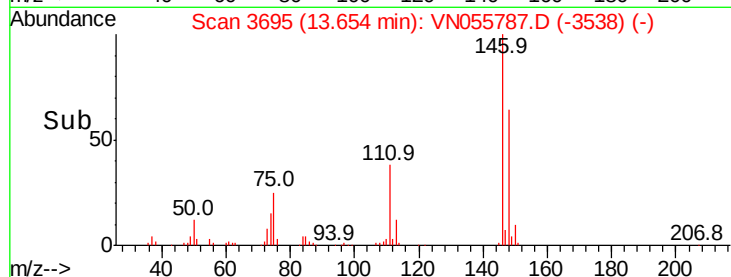
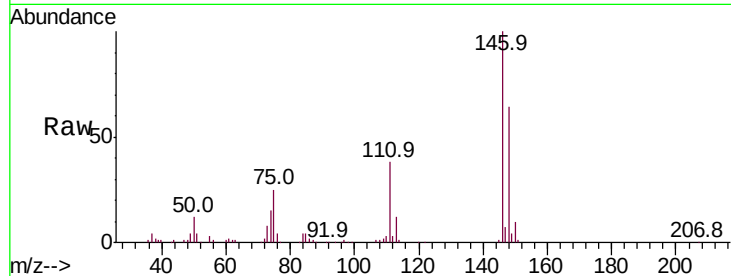
ClientSampled :

VN0524WBS01

Tot Ion:	146	Resp:	132346
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.2	57.6
148	63.8	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.940 ug/l

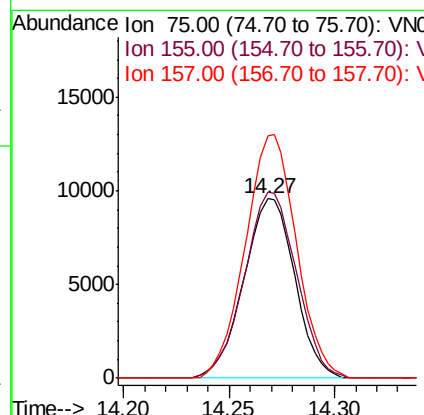
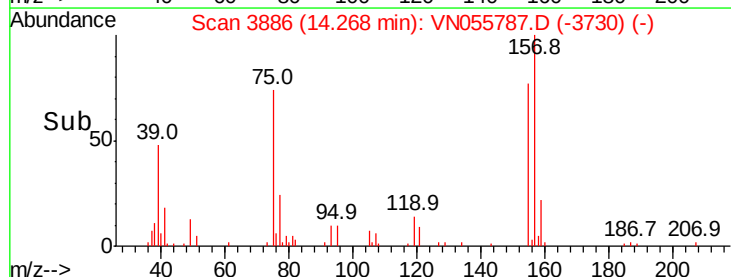
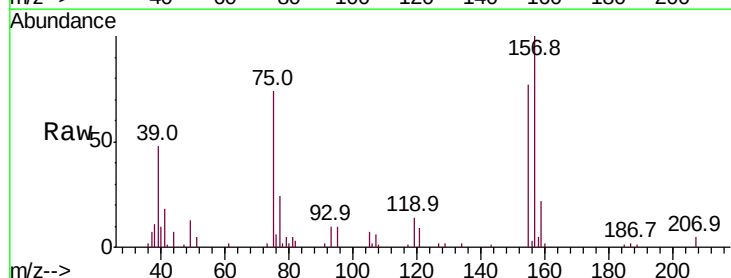
RT: 14.27 min Scan# 3886

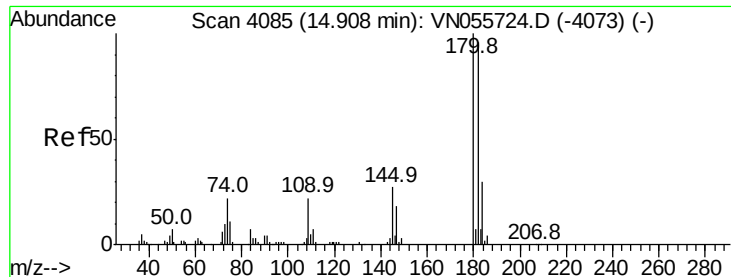
Delta R.T. 0.00 min

Lab File: VN055787.D

Acq: 24 May 2019 11:32

Tgt Ion:	75	Resp:	16111
Ion Ratio	Lower	Upper	
75	100		
155	105.9	78.4	117.6
157	136.0	105.0	157.4





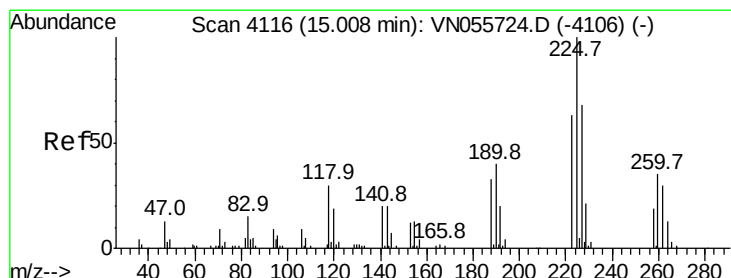
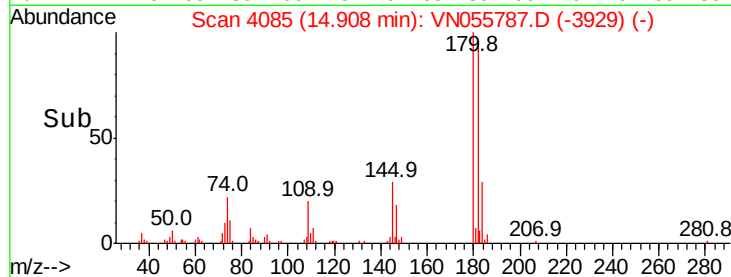
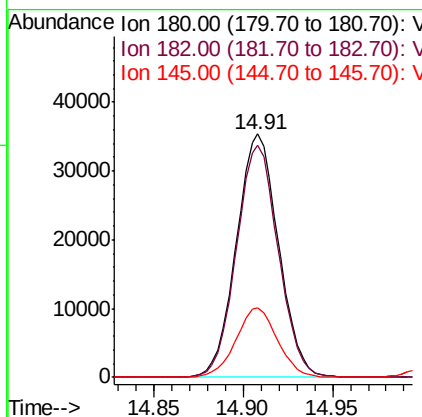
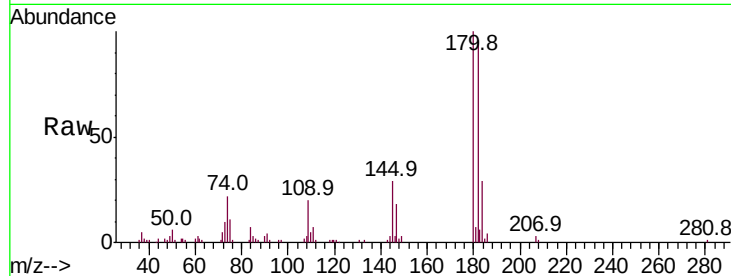
#89
 1,2,4-Trichlorobenzene
 Concen: 15.872 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0524WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58338		
182	94.9	76.1	114.1	
145	28.1	21.8	32.8	

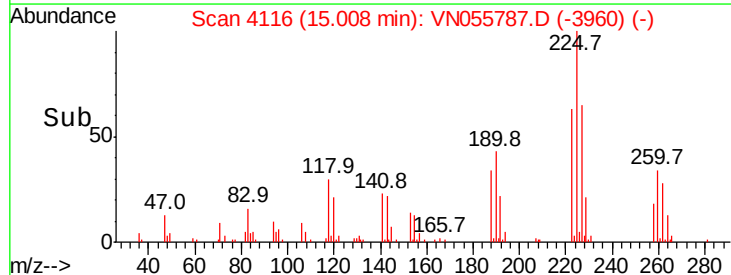
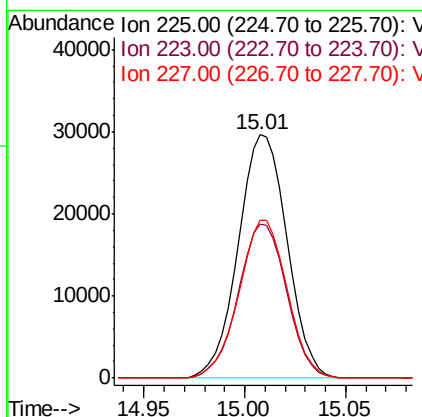
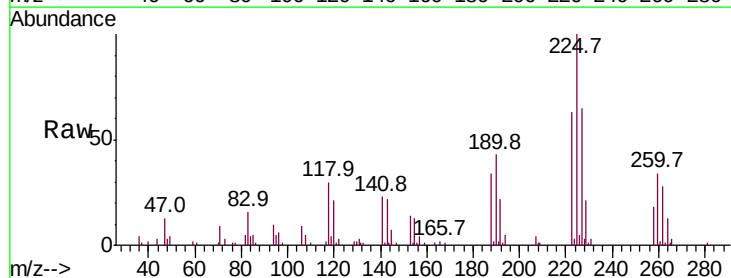
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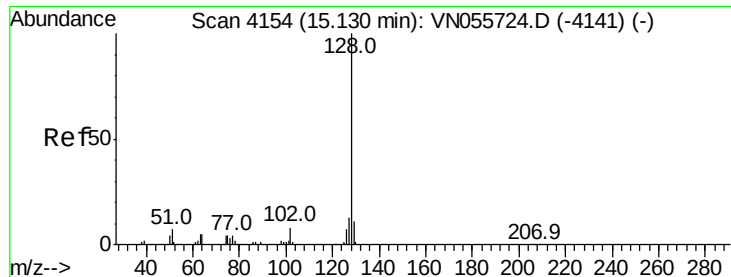
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#90
 Hexachlorobutadiene
 Concen: 18.337 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055787.D
 Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50288		
223	62.9	0.0	126.0	
227	63.9	0.0	133.0	





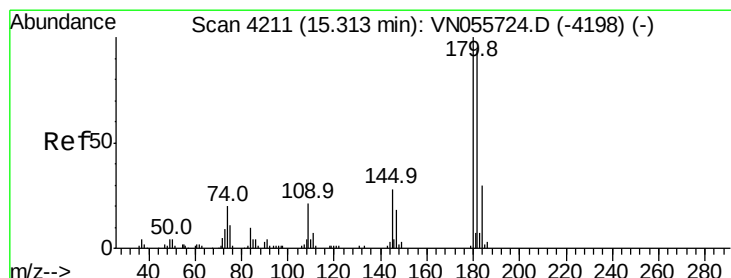
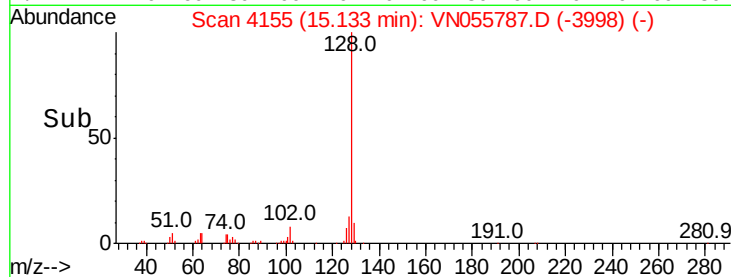
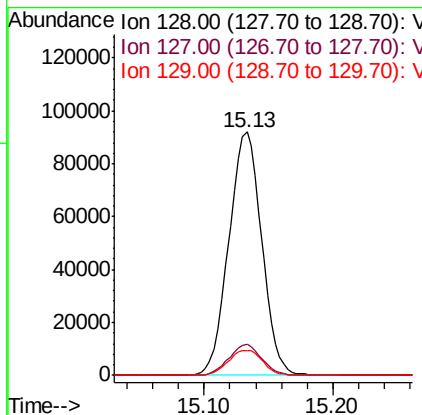
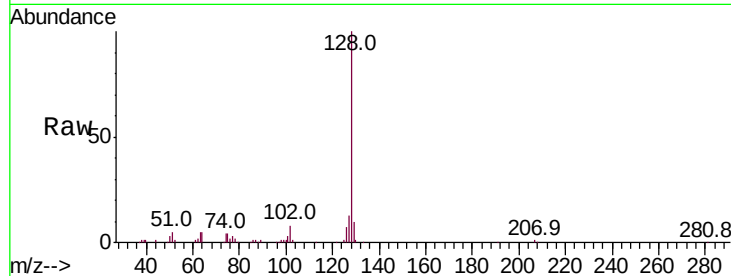
#91
Naphthalene
Concen: 16.238 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VN0524WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.0	15.0
129	10.7	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 17.037 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055787.D
Acq: 24 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	0.0	188.6
145	28.8	0.0	56.8

