

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057559.D
 Acq On : 29 Aug 2019 19:36
 Operator : JC/SP
 Sample : VN0829WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 11:35:09 AM

Quant Time: Aug 30 12:56:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	442314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	697219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	629167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265994	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	334129	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	7.58	113	271331	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
50) Toluene-d8	10.09	98	1059548	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.40	95	328806	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	97370	19.591	ug/l	94
3) Chloromethane	2.06	50	91821	18.504	ug/l	96
4) Vinyl Chloride	2.19	62	140092	19.136	ug/l	97
5) Bromomethane	2.55	94	132775	21.062	ug/l	95
6) Chloroethane	2.70	64	93254	18.999	ug/l	95
7) Trichlorofluoromethane	3.01	101	304076	19.997	ug/l	99
8) Diethyl Ether	3.40	74	94388	18.682	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.74	101	174977	19.648	ug/l #	86
10) Methyl Iodide	3.93	142	269959	18.519	ug/l	94
11) Tert butyl alcohol	4.81	59	62010	86.856	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	165603	19.760	ug/l #	75
13) Acrolein	3.59	56	55667	91.061	ug/l	91
14) Allyl chloride	4.30	41	111801	18.225	ug/l #	85
15) Acrylonitrile	4.98	53	161314	91.257	ug/l	99
16) Acetone	3.81	43	242583	82.895	ug/l	93
17) Carbon Disulfide	4.03	76	203207	17.737	ug/l	98
18) Methyl Acetate	4.31	43	82835	18.993	ug/l #	86
19) Methyl tert-butyl Ether	5.03	73	286806	17.965	ug/l	95
20) Methylene Chloride	4.53	84	91333	16.847	ug/l #	83
21) trans-1,2-Dichloroethene	5.01	96	91547	17.463	ug/l	83
22) Diisopropyl ether	5.94	45	271135	19.717	ug/l #	90
23) Vinyl Acetate	5.88	43	1047680	97.497	ug/l #	89
24) 1,1-Dichloroethane	5.82	63	168746	18.636	ug/l	100
25) 2-Butanone	6.83	43	211587	91.601	ug/l #	81
26) 2,2-Dichloropropane	6.81	77	156222	16.898	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	120384	18.961	ug/l	80
28) Bromochloromethane	7.18	49	79794	20.964	ug/l #	58
29) Tetrahydrofuran	7.20	42	134839	93.344	ug/l #	73
30) Chloroform	7.36	83	205437	18.282	ug/l	99
31) Cyclohexane	7.64	56	161359	19.188	ug/l #	80
32) 1,1,1-Trichloroethane	7.56	97	190620	19.083	ug/l	95
36) 1,1-Dichloropropene	7.78	75	141389	18.746	ug/l	92
37) Ethyl Acetate	6.92	43	95108	19.032	ug/l #	92
38) Carbon Tetrachloride	7.76	117	159436	18.077	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	178301	18.580	ug/l	87
40) Benzene	8.03	78	434322	18.804	ug/l	99
41) Methacrylonitrile	7.17	41	45327	20.589	ug/l	91
42) 1,2-Dichloroethane	8.11	62	160005	19.463	ug/l	99
43) Isopropyl Acetate	8.16	43	175991	18.868	ug/l #	92
44) Trichloroethene	8.83	130	121442	19.040	ug/l	85
45) 1,2-Dichloropropane	9.11	63	103685	19.210	ug/l	100
46) Dibromomethane	9.20	93	78503	18.548	ug/l #	86
47) Bromodichloromethane	9.39	83	163297	18.715	ug/l	97
48) Methyl methacrylate	9.19	41	79932	18.145	ug/l #	76
49) 1,4-Dioxane	9.20	88	29561	367.709	ug/l #	80
51) 4-Methyl-2-Pentanone	9.98	43	481109	96.510	ug/l #	88
52) Toluene	10.15	92	286681	19.158	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152476	18.082	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	169345	18.542	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	111297	19.338	ug/l	93
56) Ethyl methacrylate	10.43	69	143261	18.701	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	175676	19.108	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	181127	100.780	ug/l #	85
59) 2-Hexanone	10.75	43	327591	95.181	ug/l	92
60) Dibromochloromethane	10.90	129	120867	18.411	ug/l	99
61) 1,2-Dibromoethane	11.00	107	114430	19.000	ug/l	100
64) Tetrachloroethene	10.63	164	122752	18.996	ug/l	89
65) Chlorobenzene	11.43	112	301327	19.081	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	115877	18.605	ug/l	99
67) Ethyl Benzene	11.51	91	544644	19.639	ug/l	97
68) m/p-Xylenes	11.62	106	411049	38.916	ug/l	94
69) o-Xylene	11.95	106	199410	18.800	ug/l	95
70) Styrene	11.96	104	312664	19.529	ug/l	96
71) Bromoform	12.13	173	73932	17.783	ug/l #	98
73) Isopropylbenzene	12.25	105	544417	19.309	ug/l	99
74) N-amyl acetate	12.07	43	139124	22.516	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.51	83	130711	21.645	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	102661m	18.938	ug/l	
77) Bromobenzene	12.53	156	123291	18.789	ug/l	74
78) n-propylbenzene	12.59	91	550318	19.571	ug/l	95
79) 2-Chlorotoluene	12.67	91	336046	19.186	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	446377	20.040	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	34178	19.321	ug/l	93
82) 4-Chlorotoluene	12.77	91	312552	19.233	ug/l	93
83) tert-Butylbenzene	12.99	119	391271	21.073	ug/l	93
84) 1,2,4-Trimethylbenzene	13.04	105	425225	20.873	ug/l	98
85) sec-Butylbenzene	13.17	105	494196	20.185	ug/l	97
86) p-Isopropyltoluene	13.29	119	430680	20.466	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	181707	19.067	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	177029	19.371	ug/l	97
89) n-Butylbenzene	13.62	91	324924	20.383	ug/l	98
90) Hexachloroethane	13.88	117	79453	17.942	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	178948	20.119	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19682	19.726	ug/l	82

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Quant Title : SW846 8260
QLast Update : Fri Aug 30 08:56:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	51484	16.684	ug/l	98
94) Hexachlorobutadiene	15.01	225	58245	19.870	ug/l	97
95) Naphthalene	15.13	128	149537	16.991	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	50380	16.760	ug/l	100

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

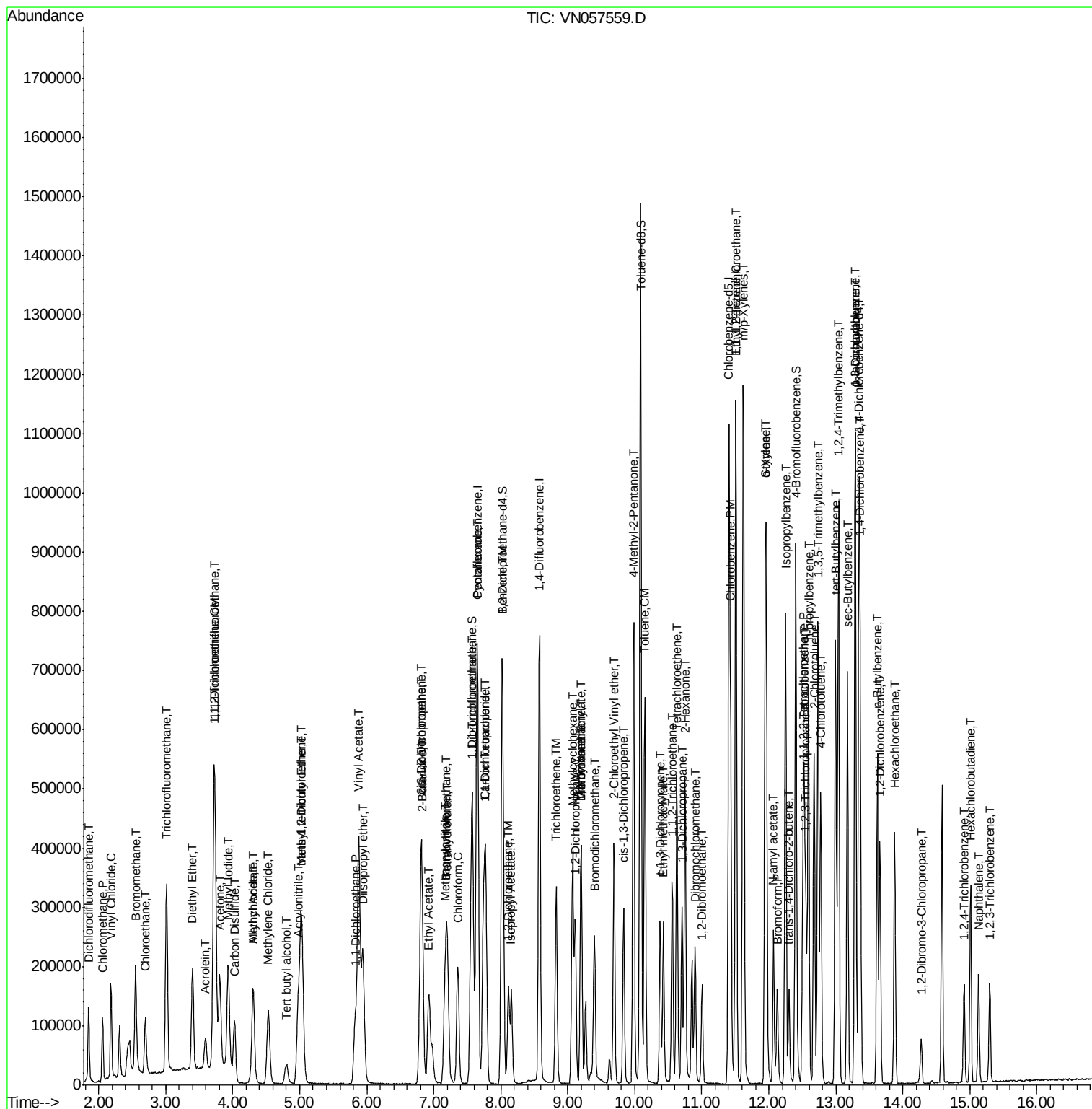
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 Data File : VN057559.D
 Acq On : 29 Aug 2019 19:36
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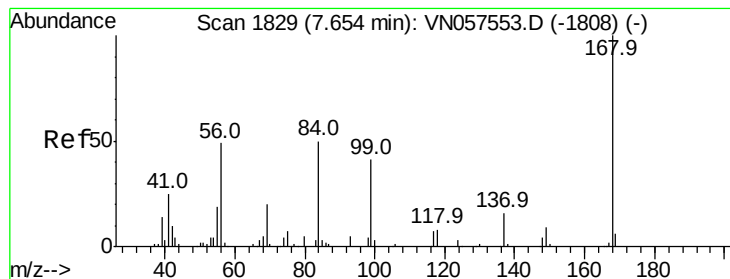
Instrument :
 MSVOA_N
 Client Sampled :
 VN0829WBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion:168 Resp: 442314

Ion Ratio Lower Upper

168 100

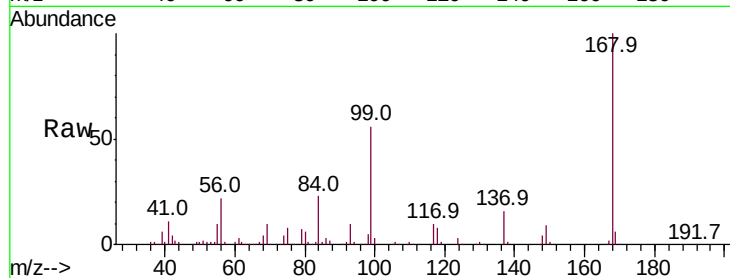
99 55.6 50.6 76.0

Manual Integrations

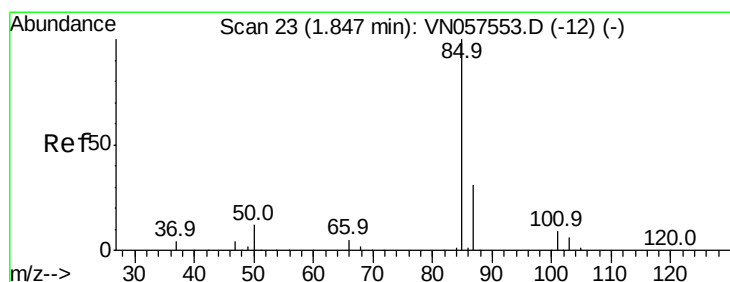
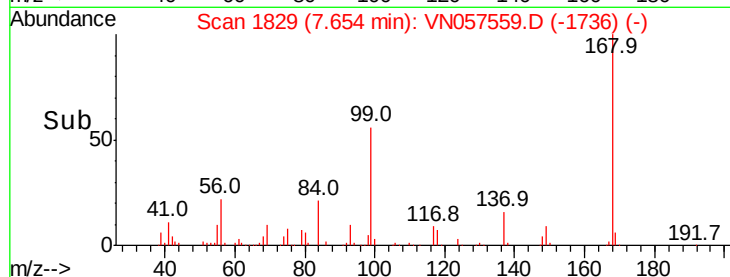
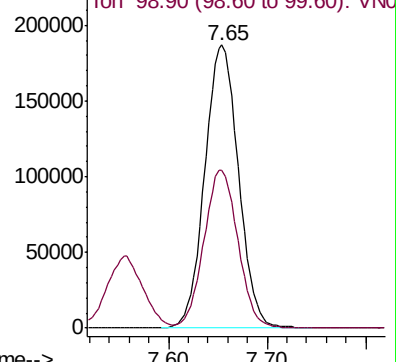
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9/5/2019 11:35:09 AM



Abundance Ion 167.90 (167.60 to 168.60): VN057553.D (-1808) (-)



#2

Dichlorodifluoromethane

Concen: 19.591 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057559.D

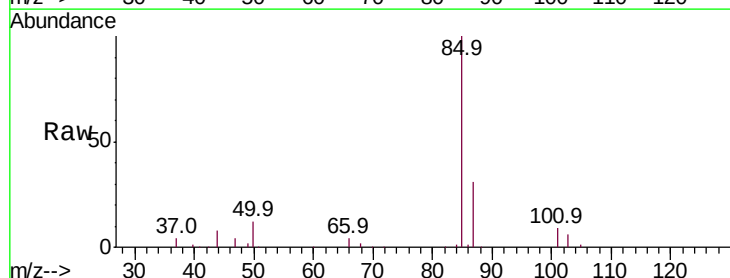
Acq: 29 Aug 2019 19:36

Tgt Ion: 85 Resp: 97370

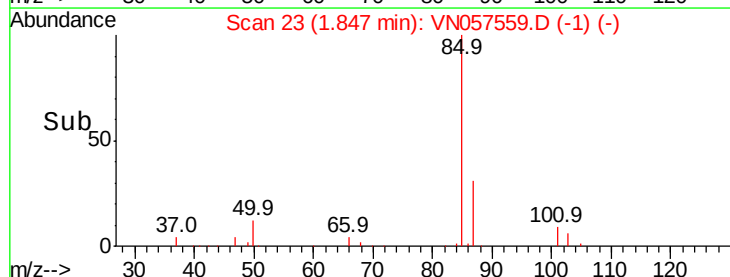
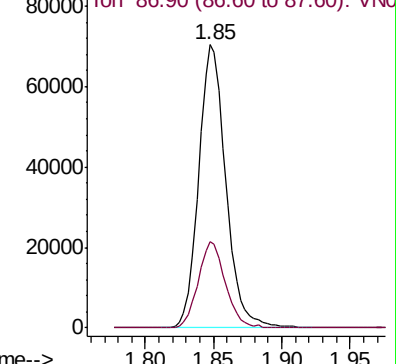
Ion Ratio Lower Upper

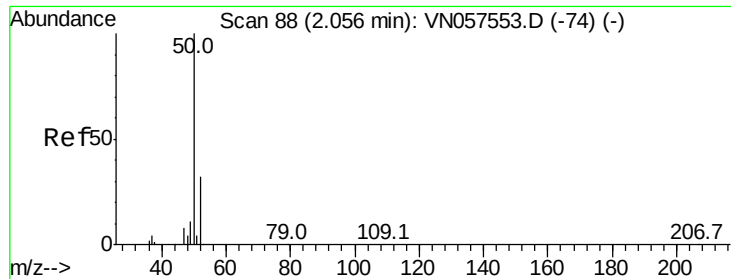
85 100

87 30.6 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057553.D (-12) (-)





#3

Chloromethane

Concen: 18.504 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 50 Resp: 91821

Ion Ratio Lower Upper

50 100

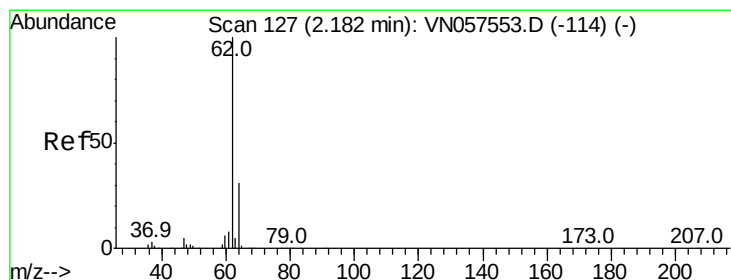
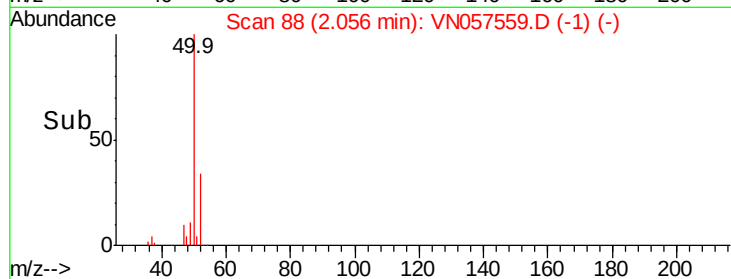
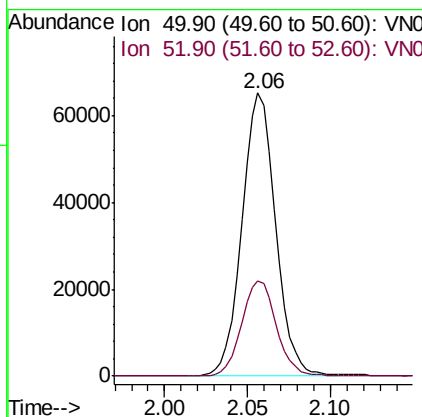
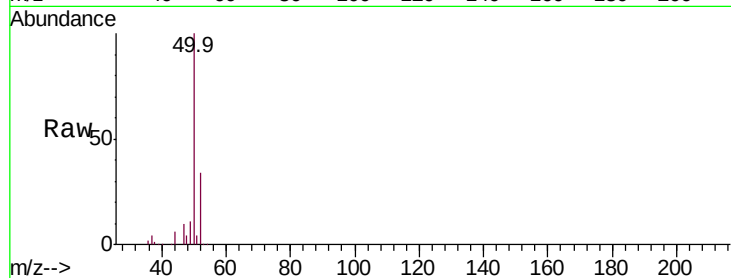
52 33.6 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.136 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057559.D

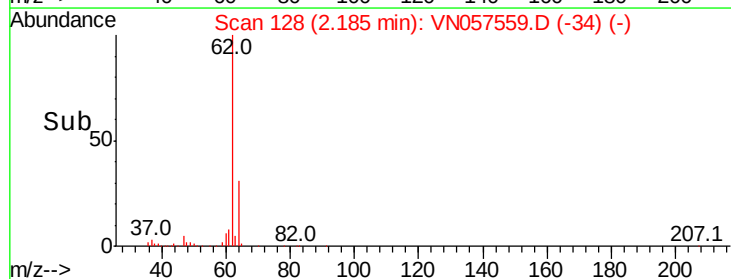
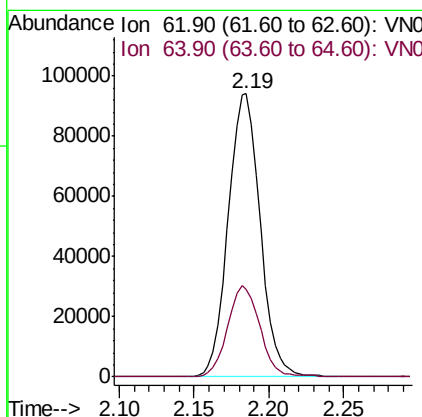
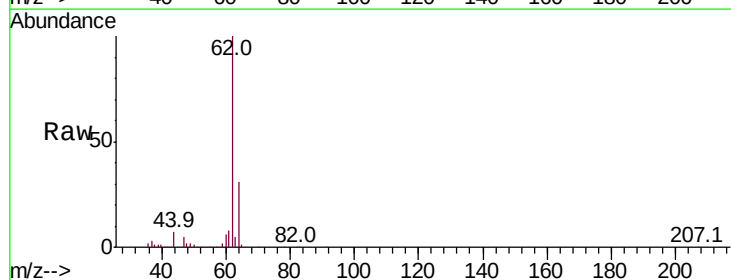
Acq: 29 Aug 2019 19:36

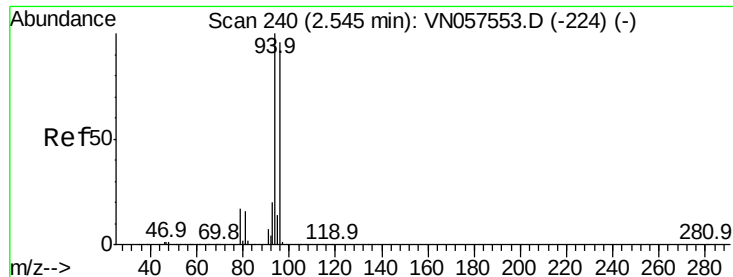
Tgt Ion: 62 Resp: 140092

Ion Ratio Lower Upper

62 100

64 30.8 25.8 38.8





#5

Bromomethane

Concen: 21.062 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 94 Resp: 132775

Ion Ratio Lower Upper

94 100

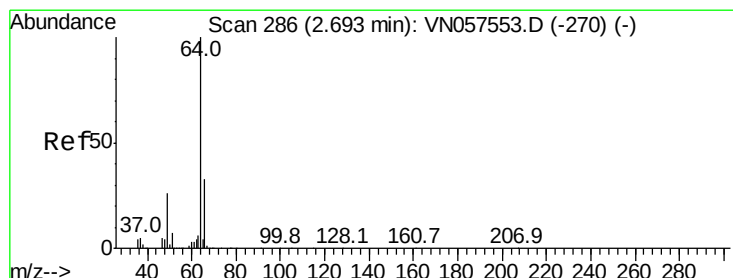
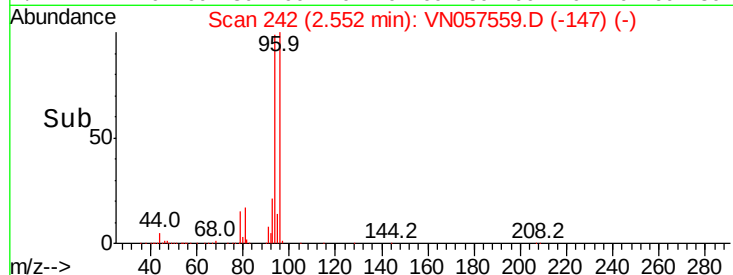
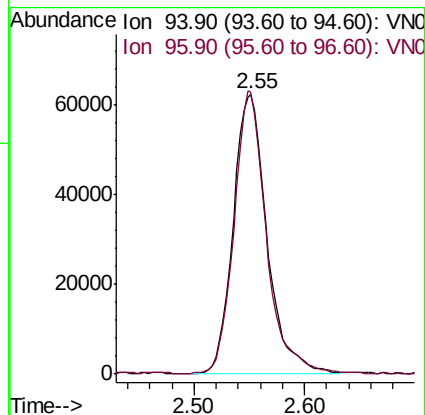
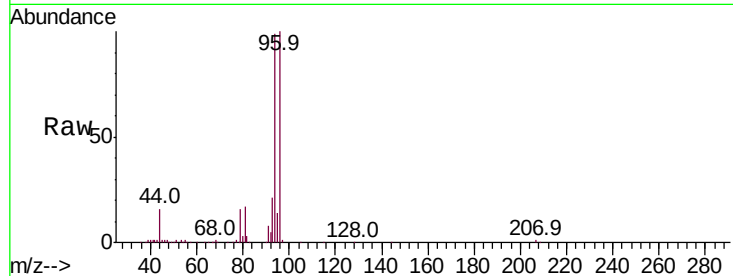
96 100.5 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 18.999 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057559.D

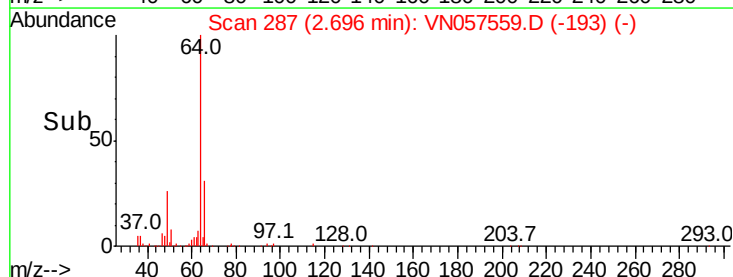
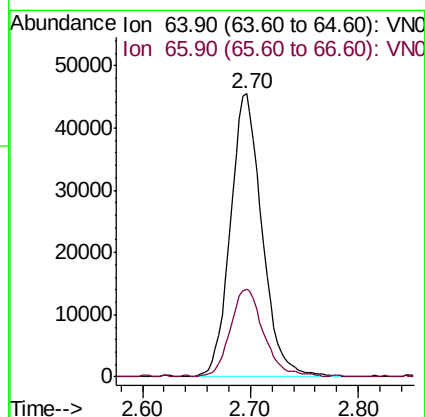
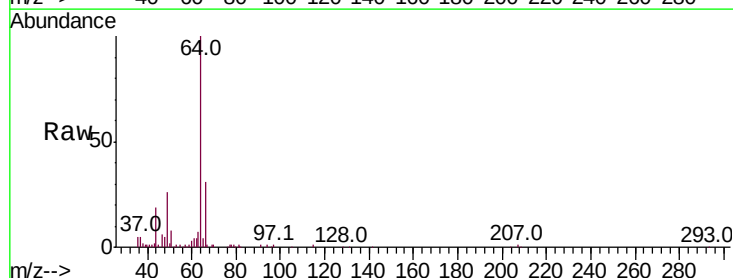
Acq: 29 Aug 2019 19:36

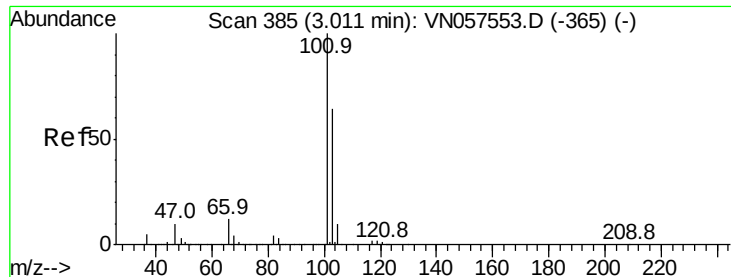
Tgt Ion: 64 Resp: 93254

Ion Ratio Lower Upper

64 100

66 30.8 26.8 40.2





#7

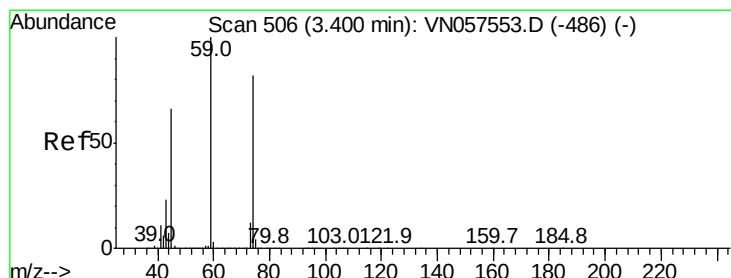
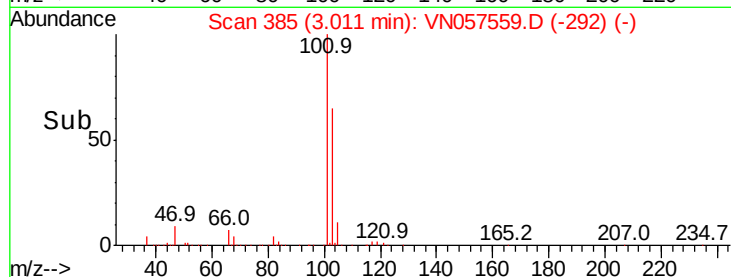
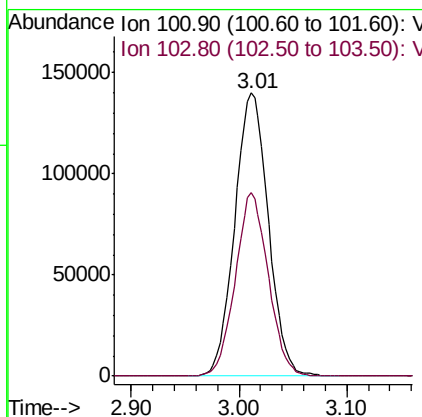
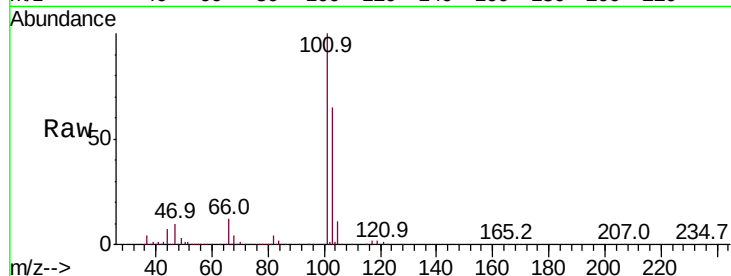
Trichlorofluoromethane
 Concen: 19.997 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
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 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	52.6	78.8

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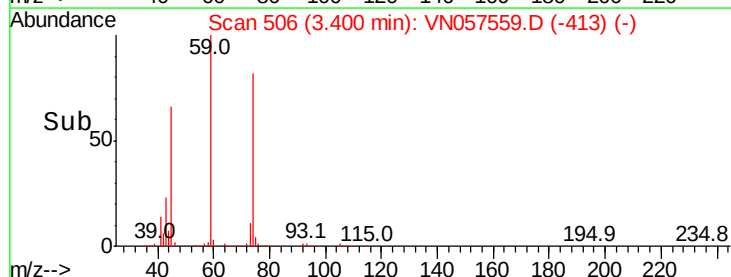
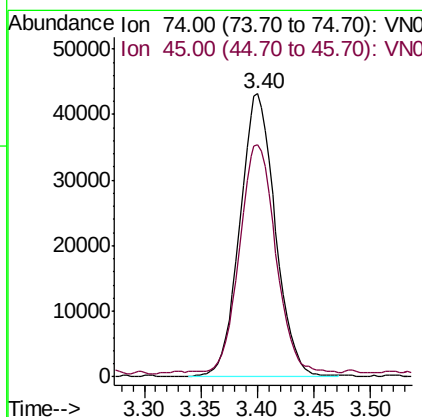
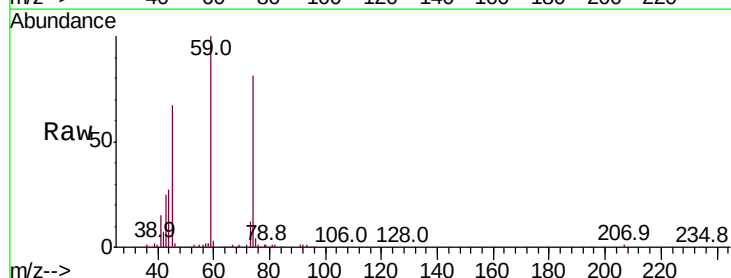
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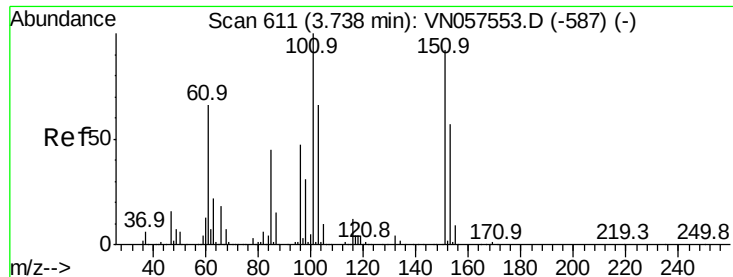


#8

Diethyl Ether
 Concen: 18.682 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.2	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.648 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion:101 Resp: 174977
Ion Ratio Lower Upper

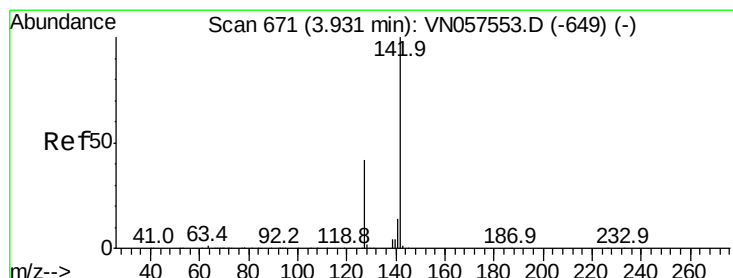
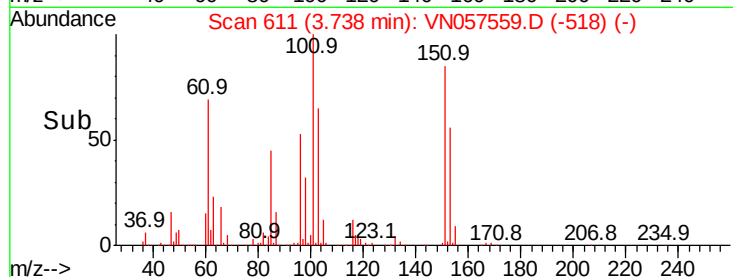
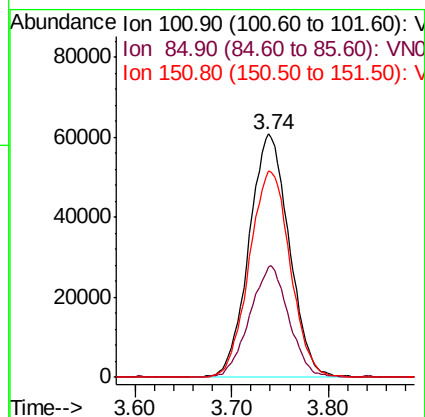
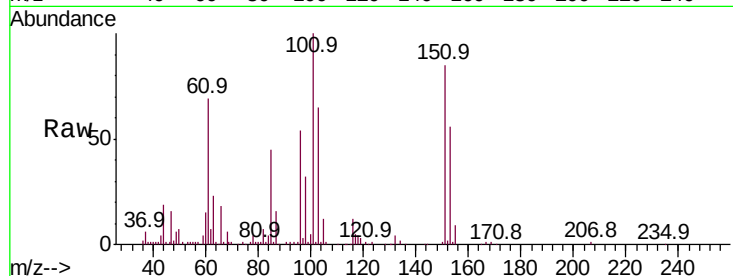
101 100

85 44.6 40.0 60.0

151 86.5 57.0 85.6#

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#10

Methyl Iodide

Concen: 18.519 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN057559.D

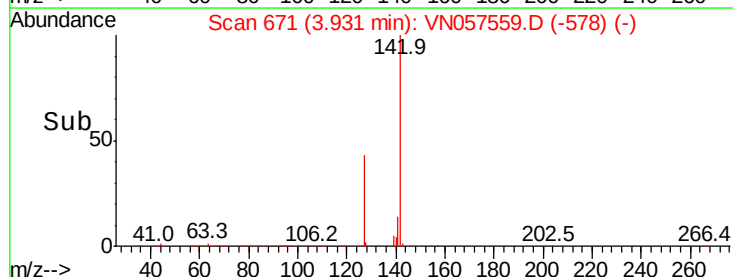
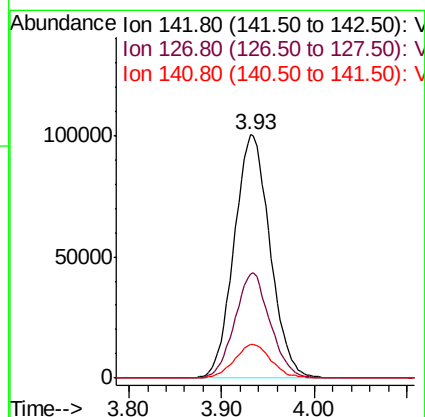
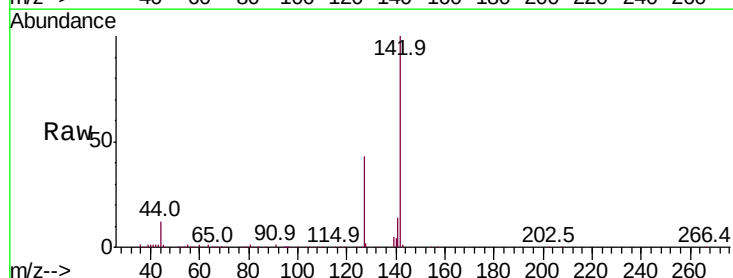
Acq: 29 Aug 2019 19:36

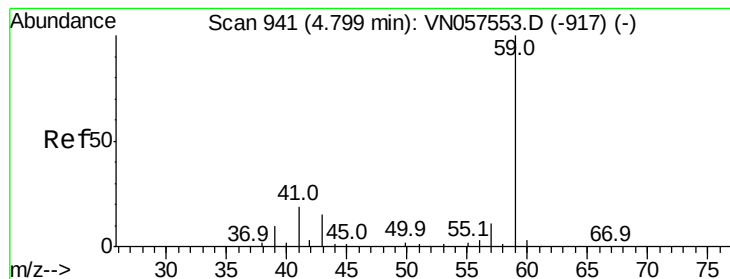
Tgt Ion:142 Resp: 269959
Ion Ratio Lower Upper

142 100

127 42.5 37.8 56.8

141 14.2 11.9 17.9





#11

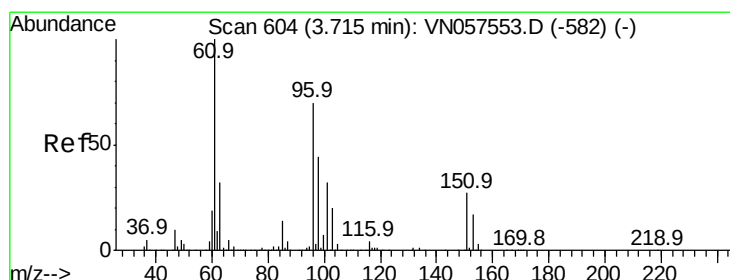
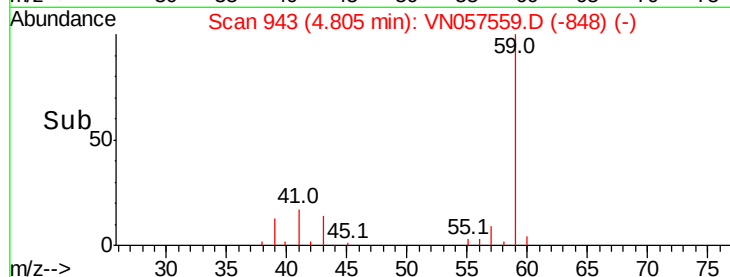
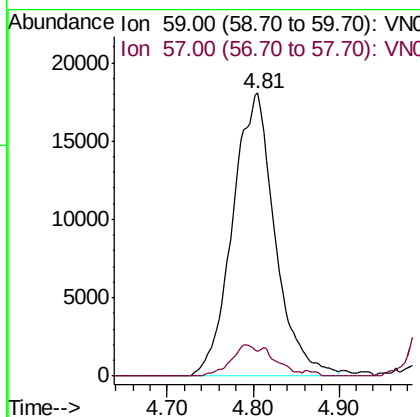
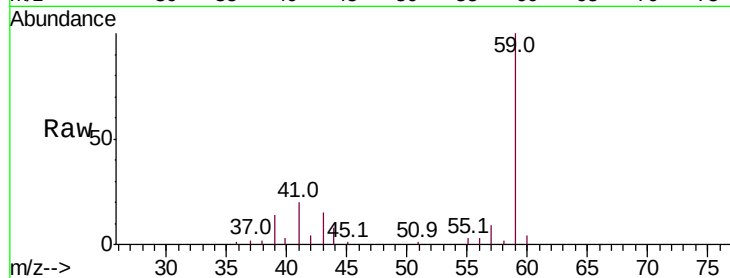
Tert butyl alcohol
 Concen: 86.856 ug/l
 RT: 4.81 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.7	9.1	13.7#

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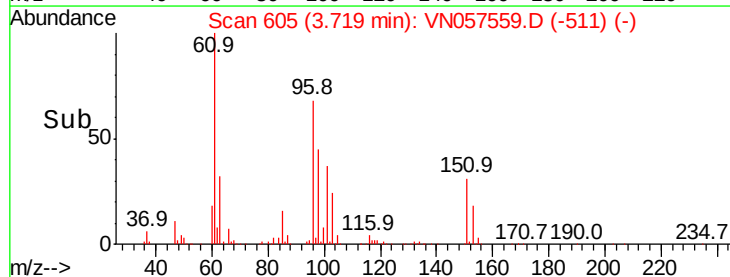
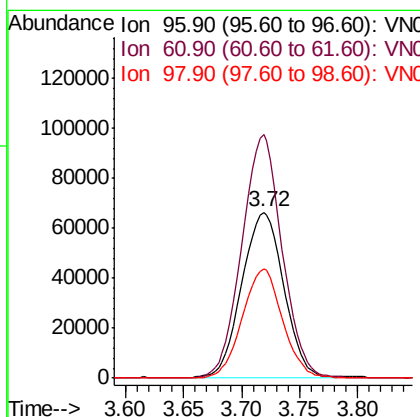
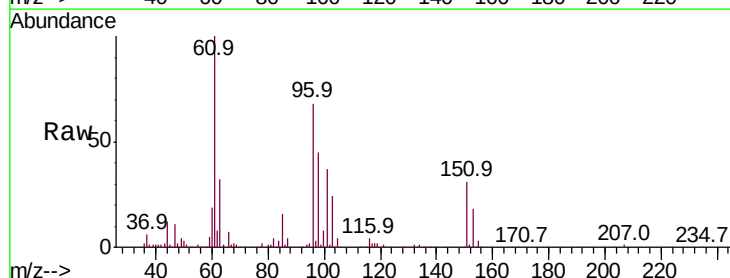
MMDadoda
 9/5/2019 11:35:09 AM

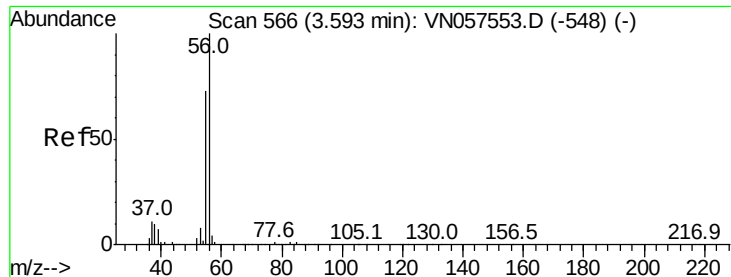


#12

1,1-Dichloroethene
 Concen: 19.760 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.6	155.3	232.9#
98	66.3	50.2	75.2





#13

Acrolein

Concen: 91.061 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 56 Resp: 55667

Ion Ratio Lower Upper

56 100

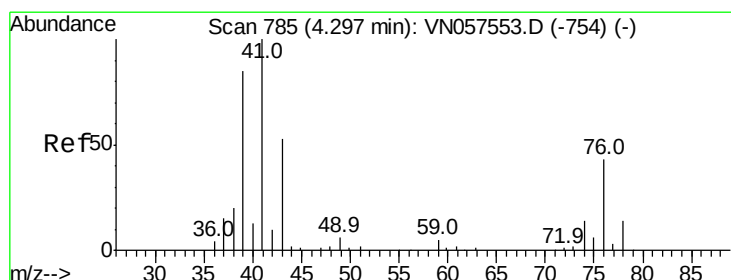
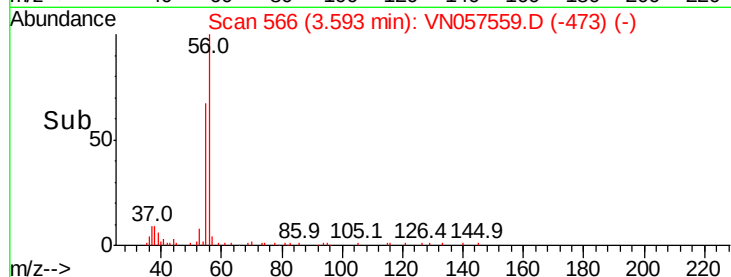
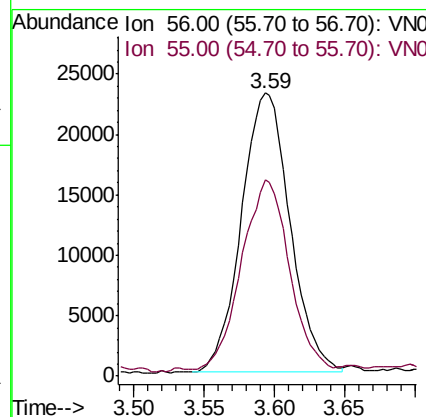
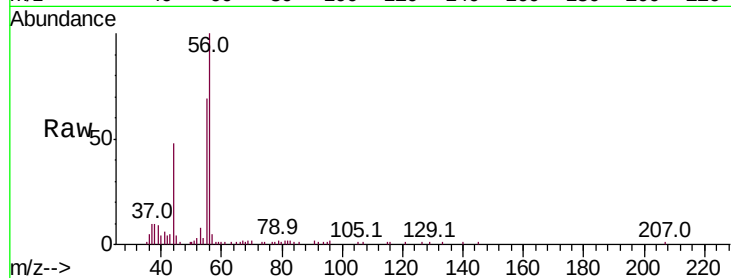
55 65.9 59.0 88.4

Manual Integrations

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#14

Allyl chloride

Concen: 18.225 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

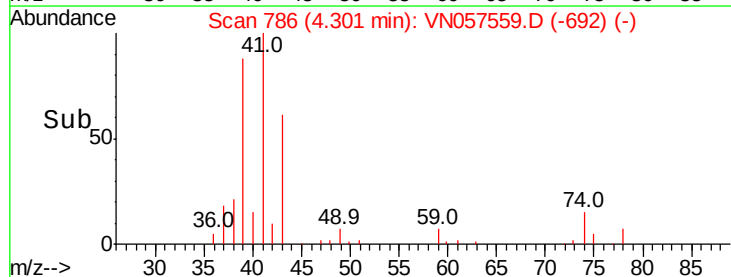
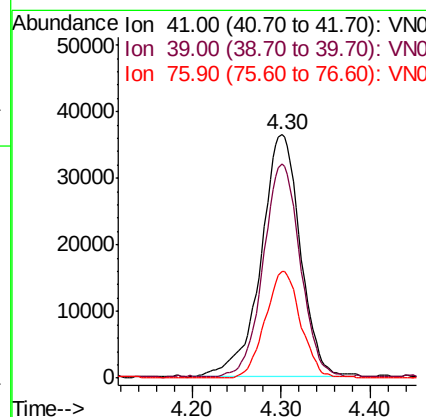
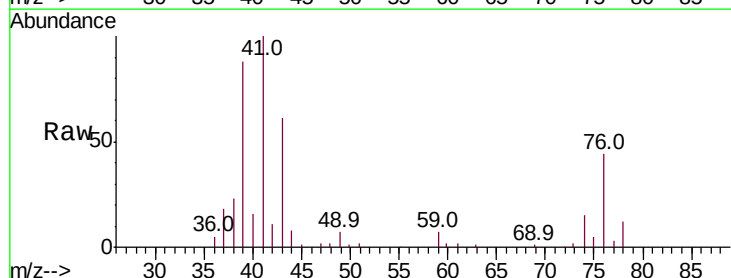
Tgt Ion: 41 Resp: 111801

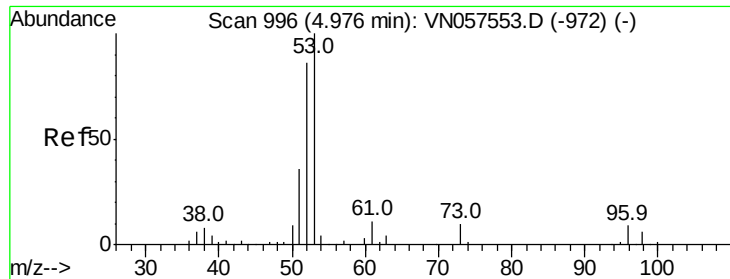
Ion Ratio Lower Upper

41 100

39 82.2 57.4 86.2

76 39.6 22.9 34.3#





#15

Acrylonitrile

Concen: 91.257 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

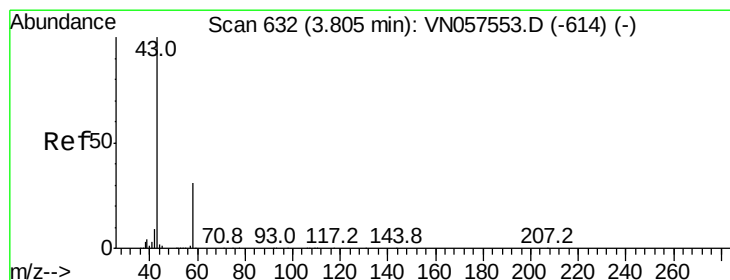
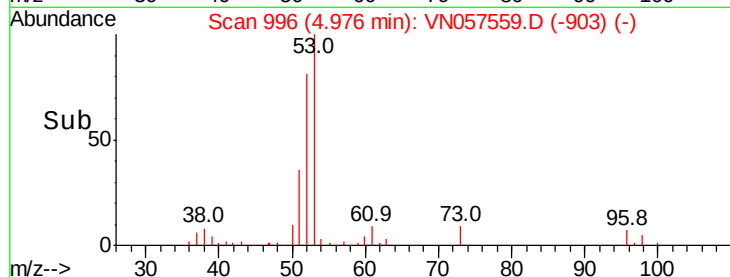
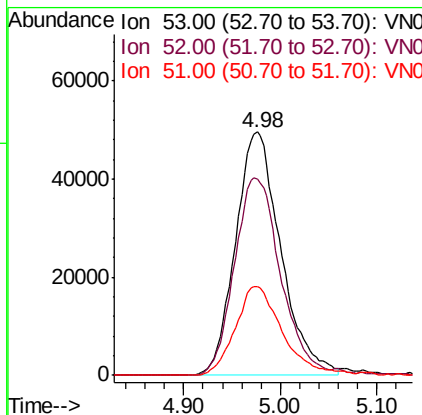
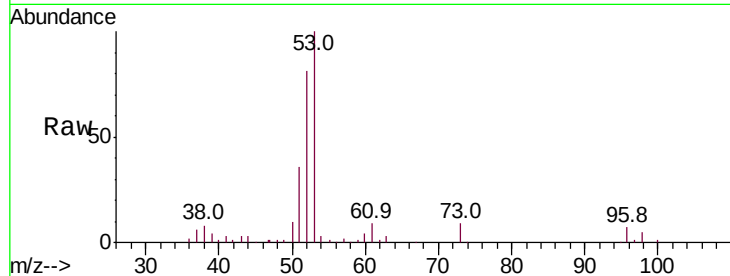
ClientSampleId :

VN0829WBS01

Tot Ion:	53	Resp:	161314
Ion	Ratio	Lower	Upper
53	100		
52	82.6	67.0	100.6
51	38.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 82.895 ug/l

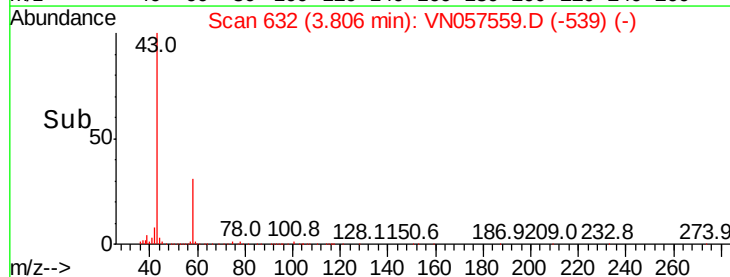
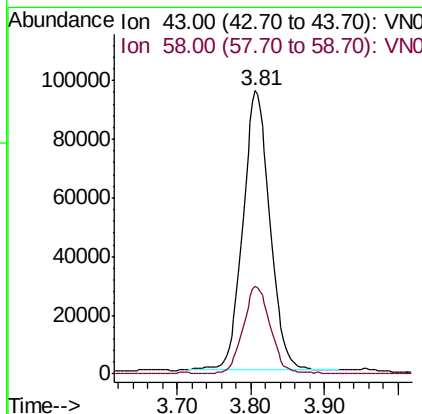
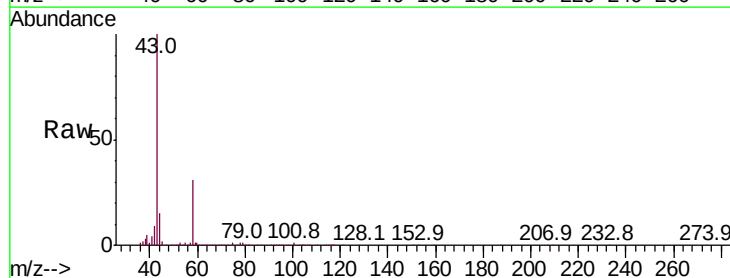
RT: 3.81 min Scan# 632

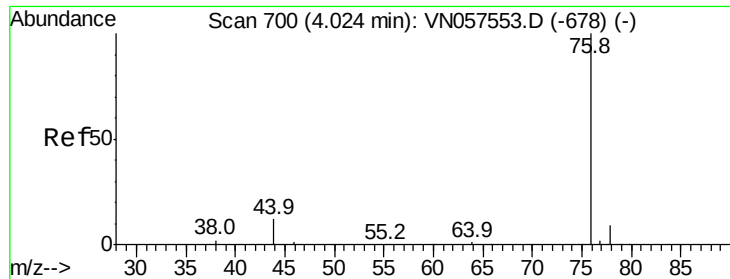
Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion:	43	Resp:	242583
Ion	Ratio	Lower	Upper
43	100		
58	31.0	22.1	33.1





#17

Carbon Disulfide

Concen: 17.737 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 76 Resp: 203207

Ion Ratio Lower Upper

76 100

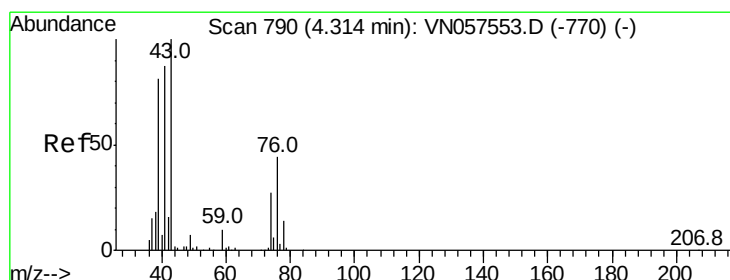
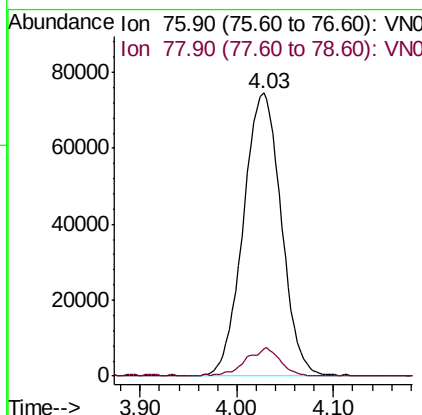
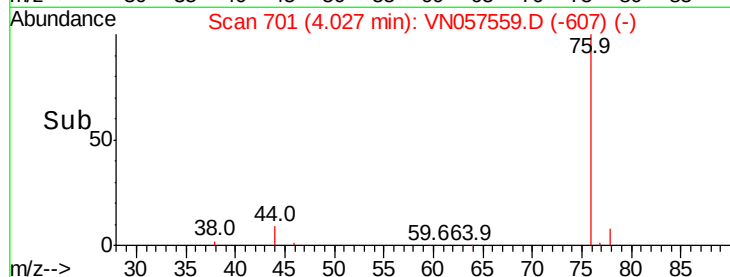
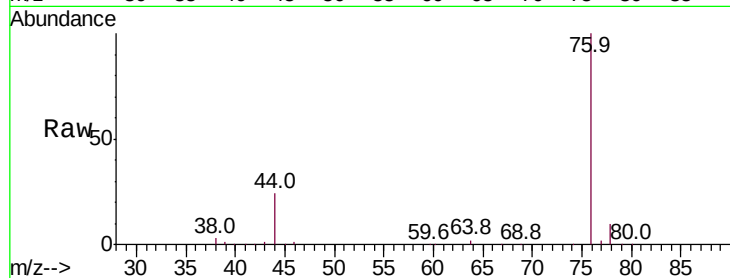
78 9.7 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 18.993 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057559.D

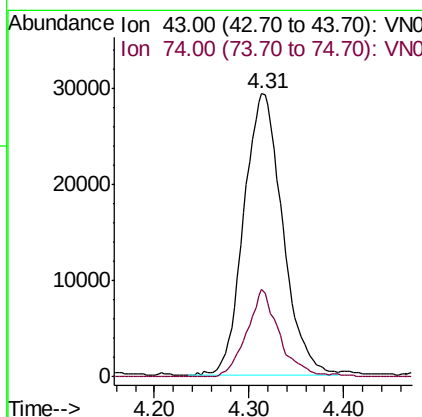
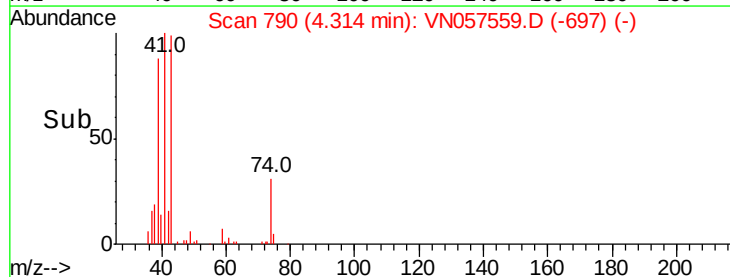
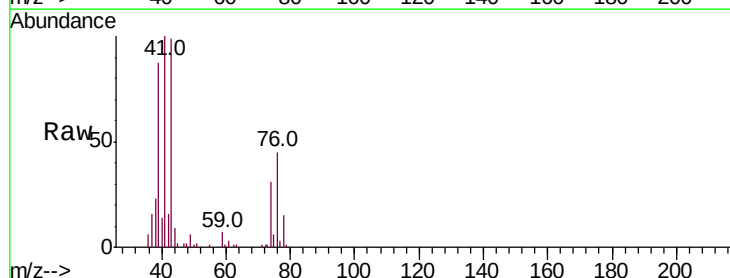
Acq: 29 Aug 2019 19:36

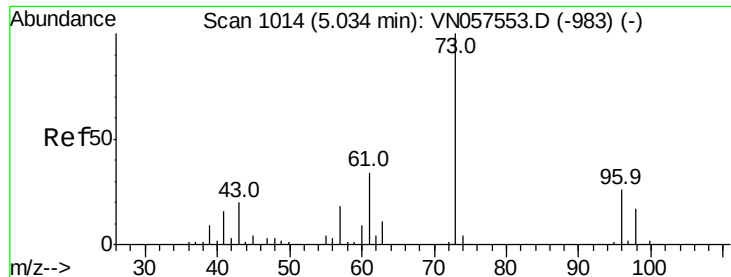
Tgt Ion: 43 Resp: 82835

Ion Ratio Lower Upper

43 100

74 26.2 15.9 23.9#





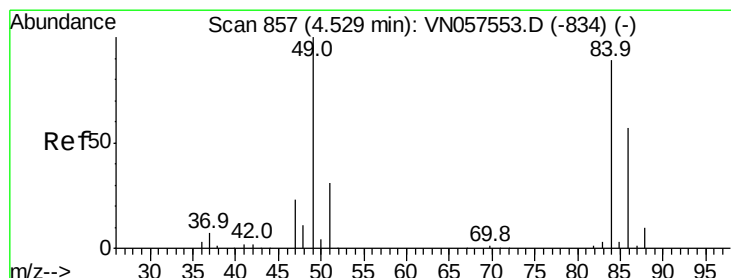
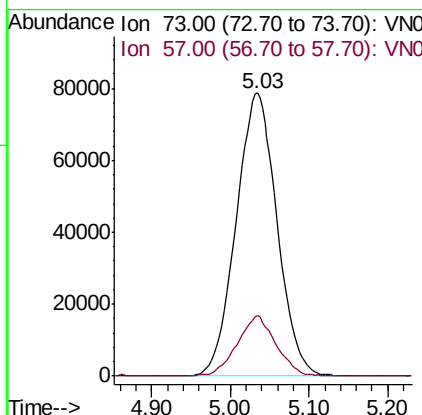
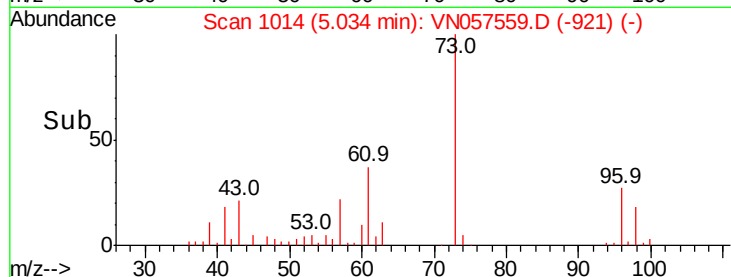
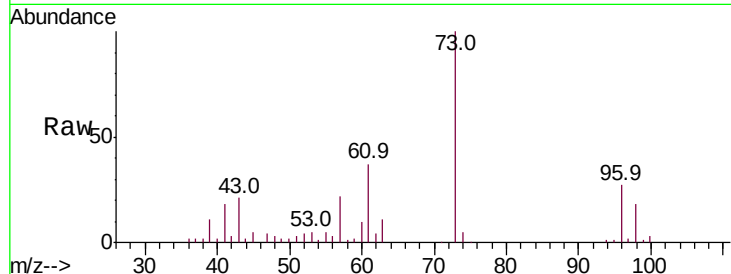
#19
Methyl tert-butyl Ether
Concen: 17.965 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	19.1	28.7

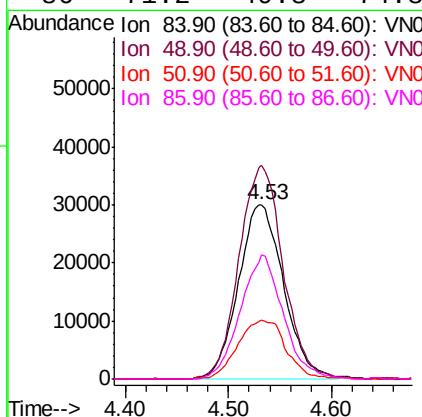
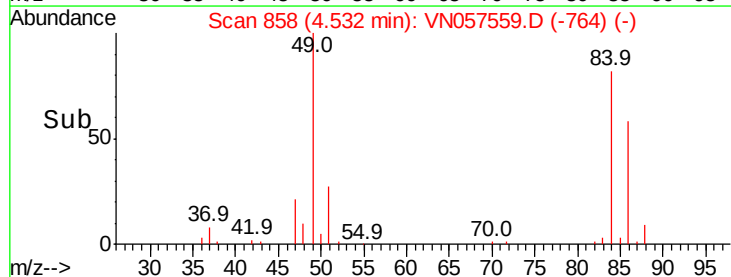
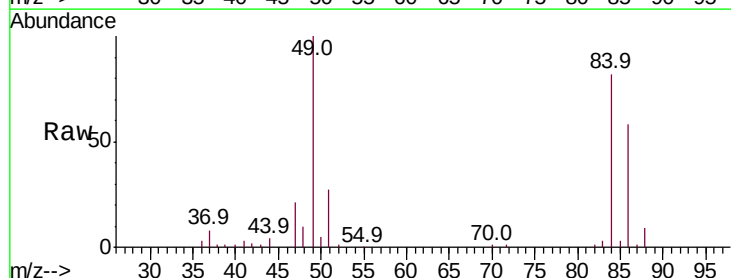
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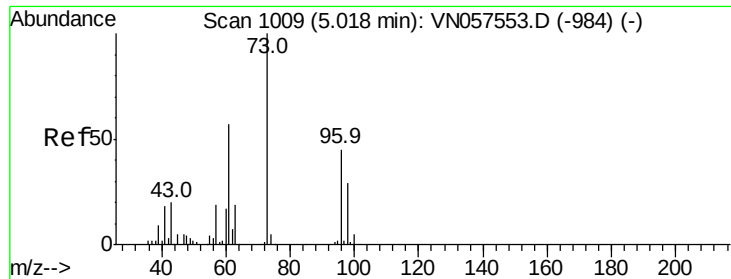
MMDadoda
9/5/2019 11:35:09 AM



#20
Methylene Chloride
Concen: 16.847 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.6	117.0	175.4
51	33.6	35.5	53.3#
86	71.2	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 17.463 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

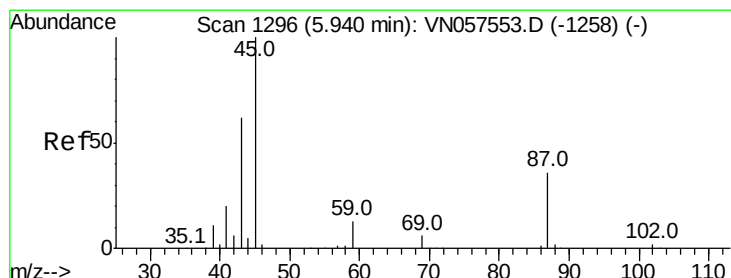
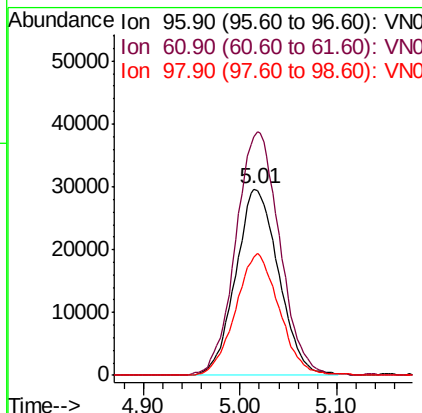
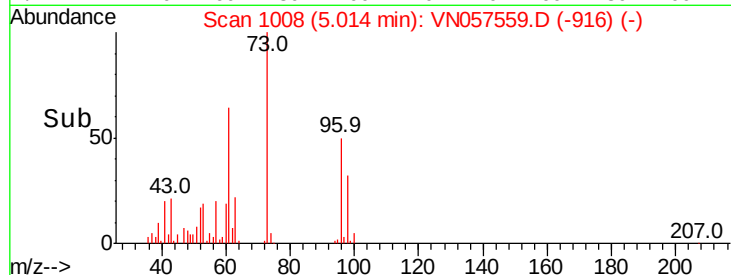
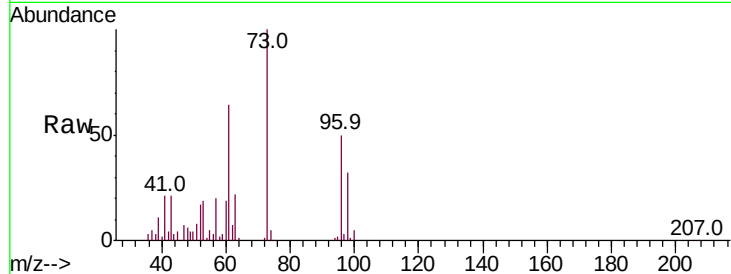
ClientSampled :

VN0829WBS01

Tot Ion:	96	Resp:	91547
Ion	Ratio	Lower	Upper
96	100		
61	128.3	127.9	191.9
98	63.7	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.717 ug/l

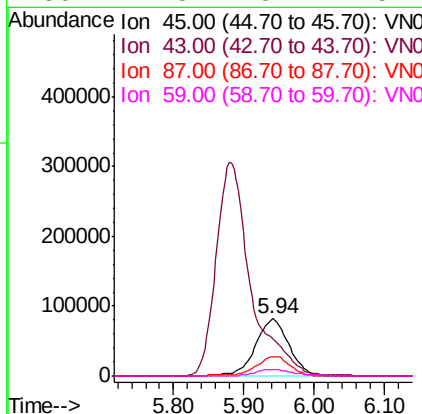
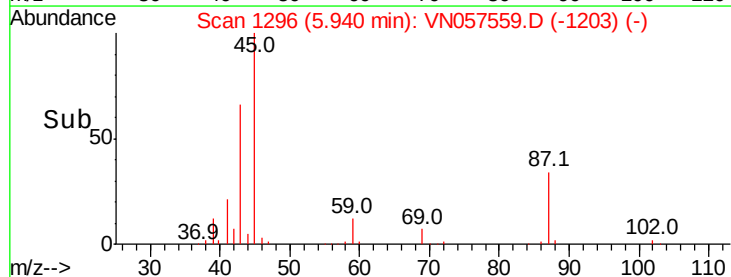
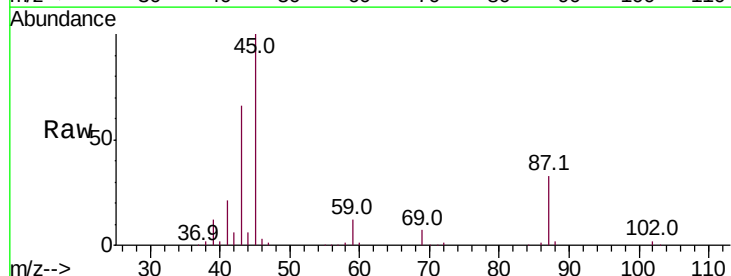
RT: 5.94 min Scan# 1296

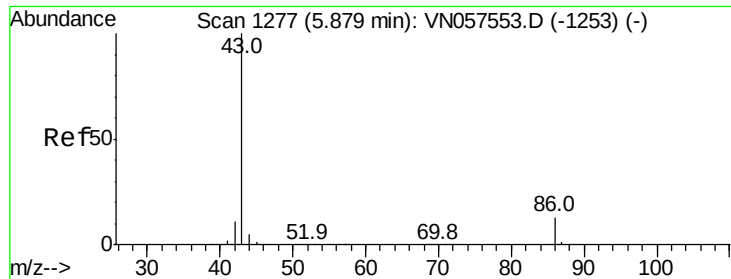
Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion:	45	Resp:	271135
Ion	Ratio	Lower	Upper
45	100		
43	64.5	46.9	70.3
87	33.4	19.3	28.9#
59	11.8	8.7	13.1





#23

Vinyl Acetate

Concen: 97.497 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 43 Resp: 1047680

Ion Ratio Lower Upper

43 100

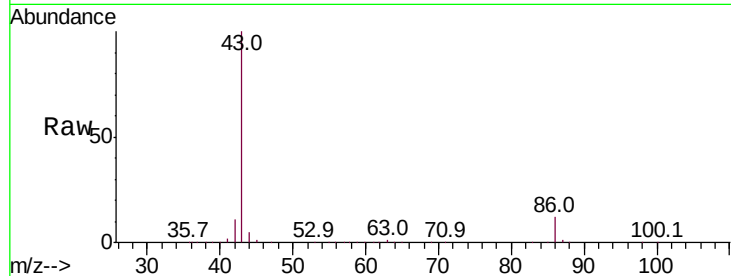
86 12.4 6.7 10.1#

Manual Integrations

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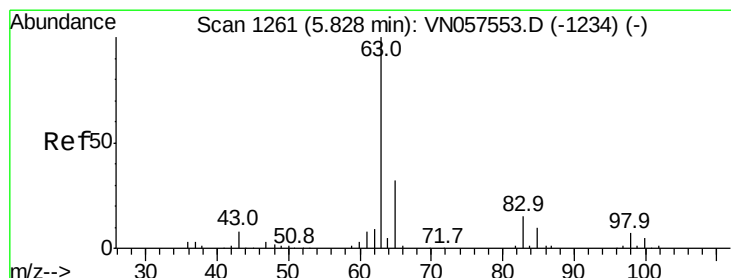
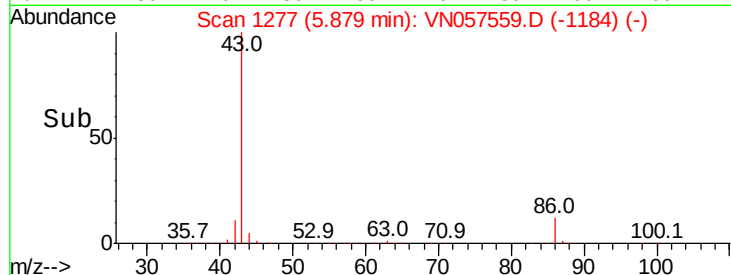
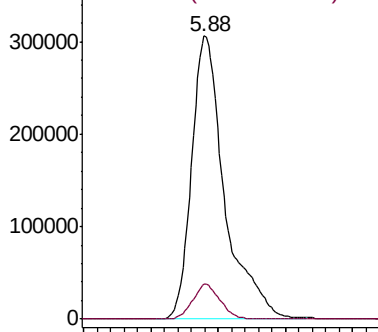
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.636 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

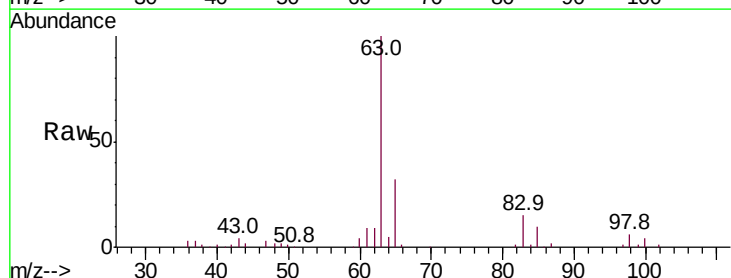
Tgt Ion: 63 Resp: 168746

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

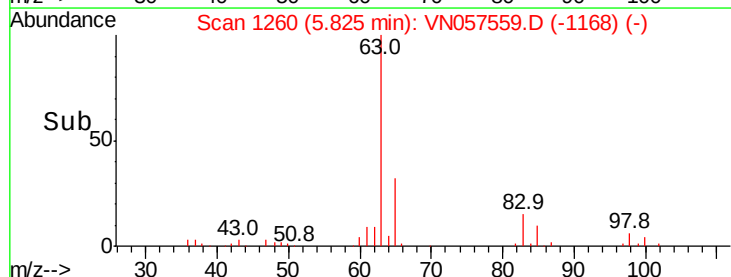
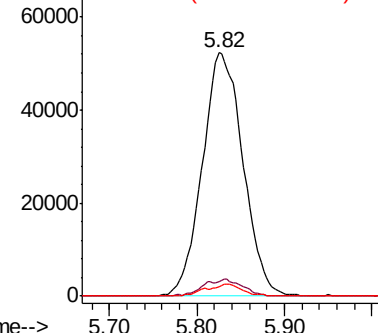
100 3.9 2.1 6.3

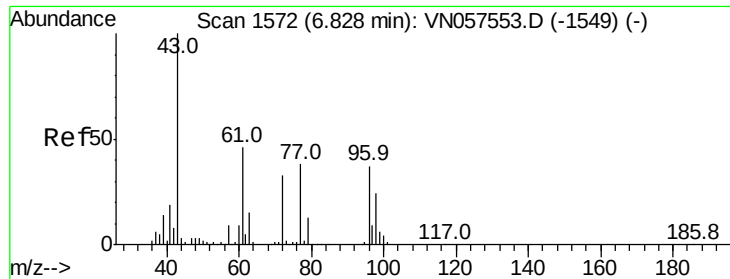


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.601 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 43 Resp: 211587

Ion Ratio Lower Upper

43 100

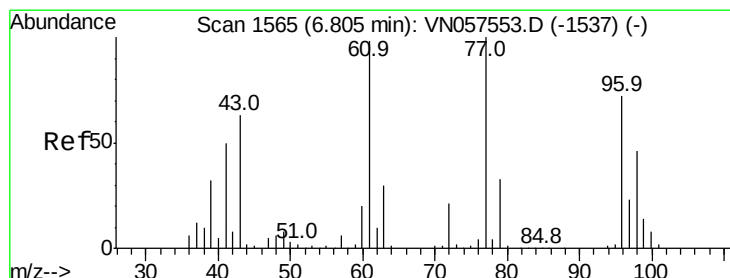
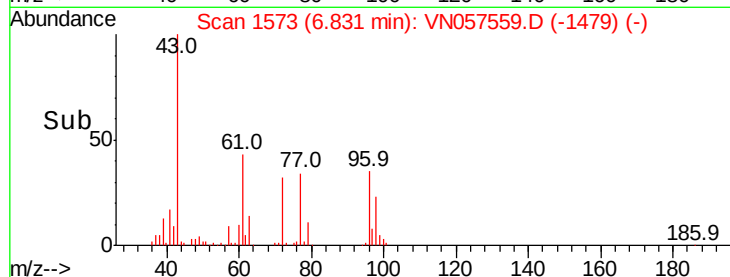
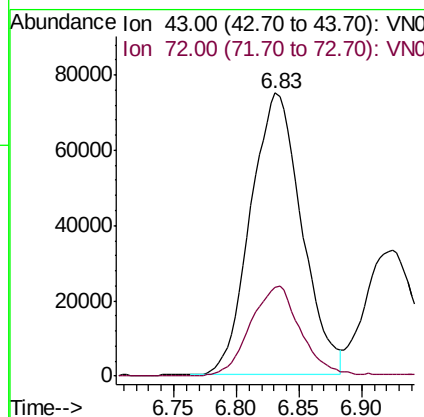
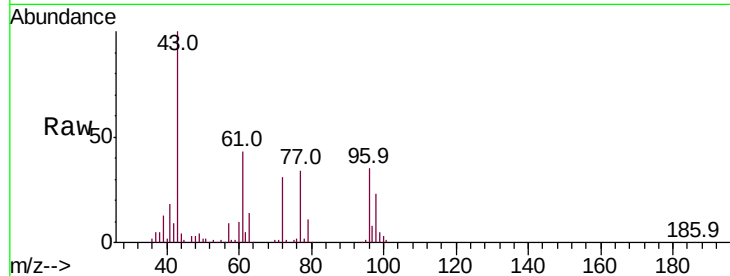
72 31.6 17.8 26.8#

Manual Integrations

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MMDadoda

9/5/2019 11:35:09 AM



#26

2,2-Dichloropropane

Concen: 16.898 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057559.D

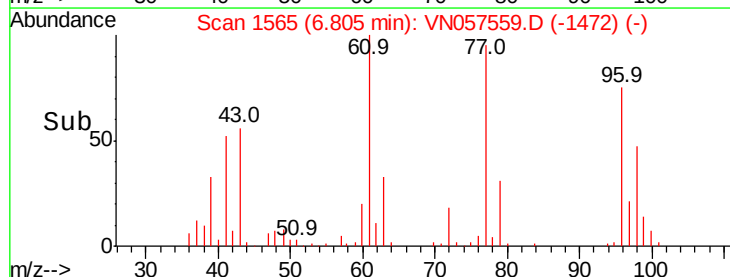
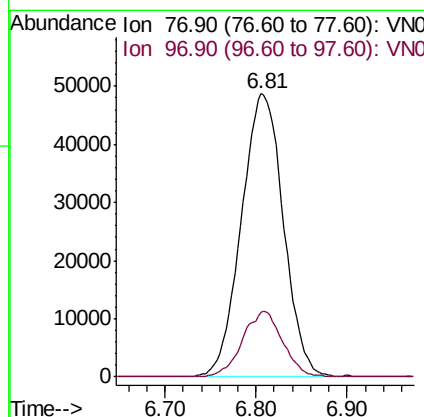
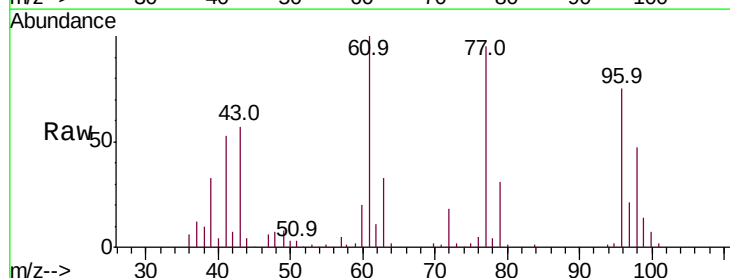
Acq: 29 Aug 2019 19:36

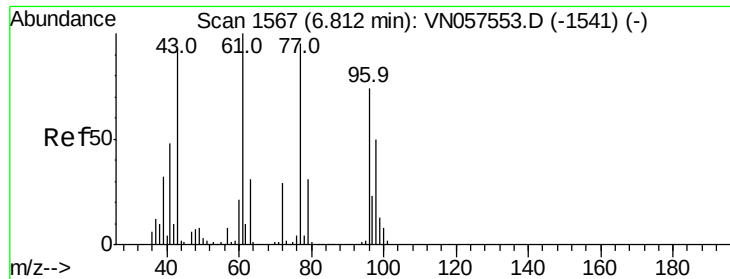
Tgt Ion: 77 Resp: 156222

Ion Ratio Lower Upper

77 100

97 22.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.961 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

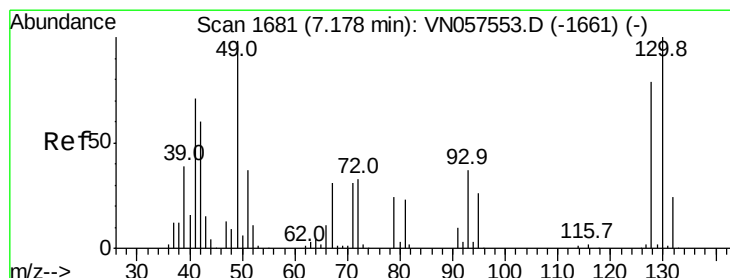
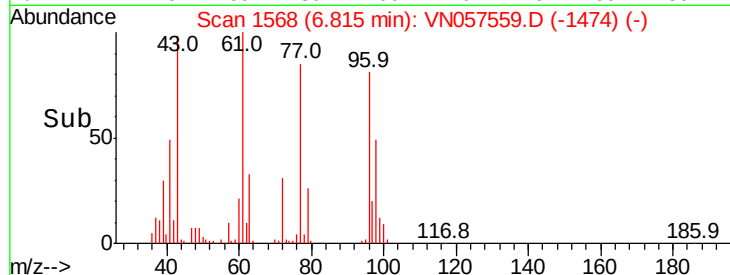
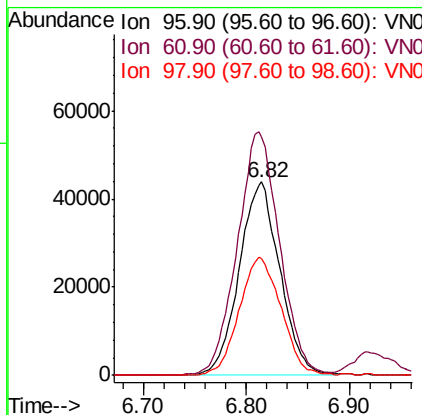
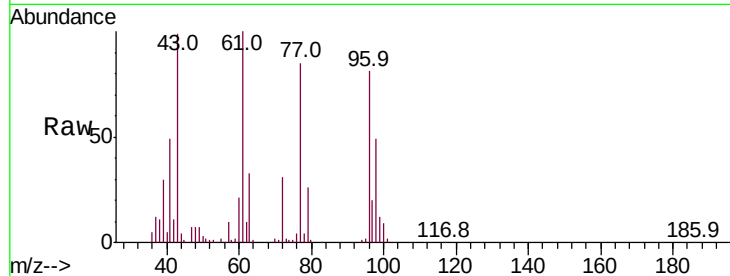
ClientSampled :

VN0829WBS01

Tot Ion:	96	Resp:	120384
Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	334.8
98	62.6	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 20.964 ug/l

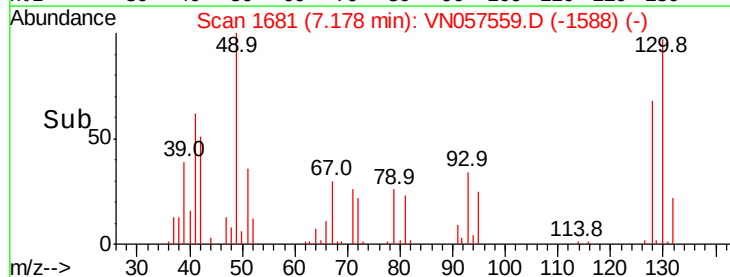
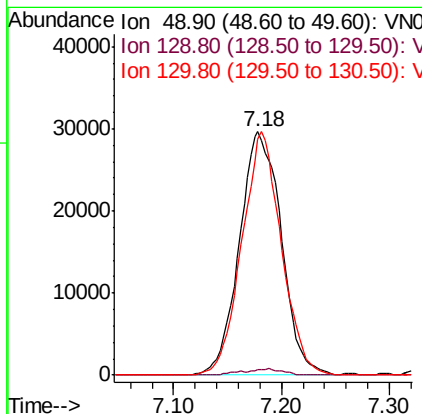
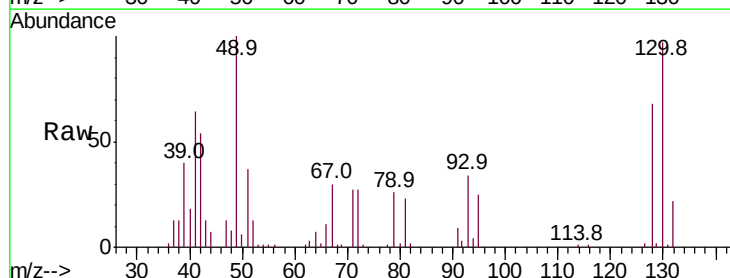
RT: 7.18 min Scan# 1681

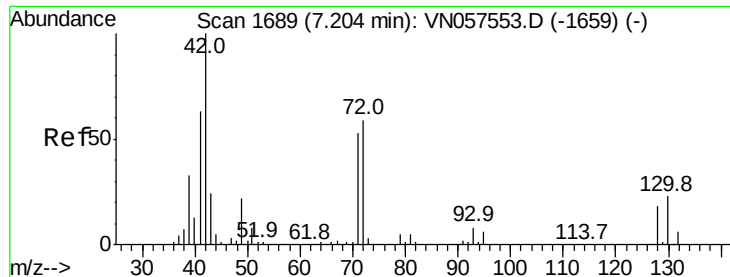
Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion:	49	Resp:	79794
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.6
130	93.9	48.6	72.8#





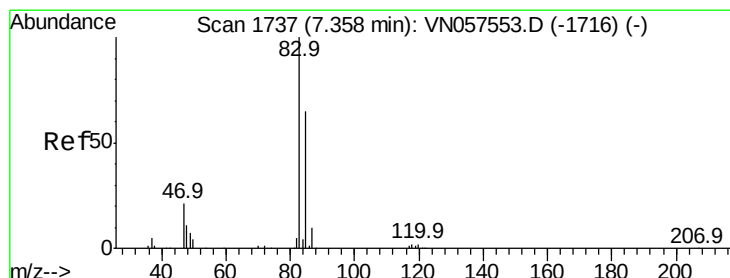
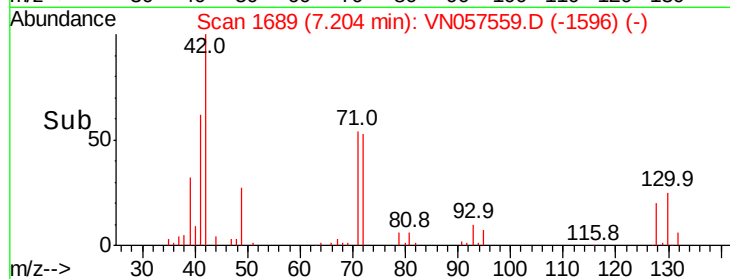
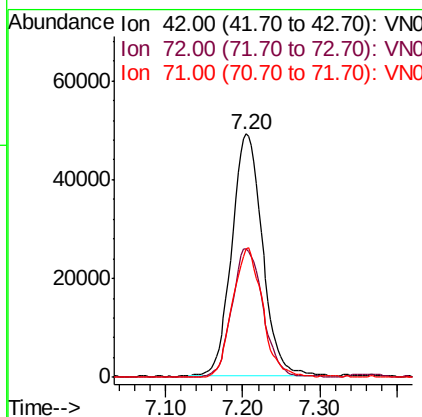
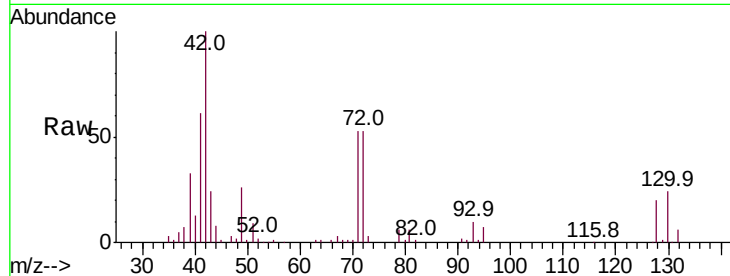
#29
Tetrahydrofuran
Concen: 93.344 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.6	30.1	45.1#
71	52.3	28.8	43.2#

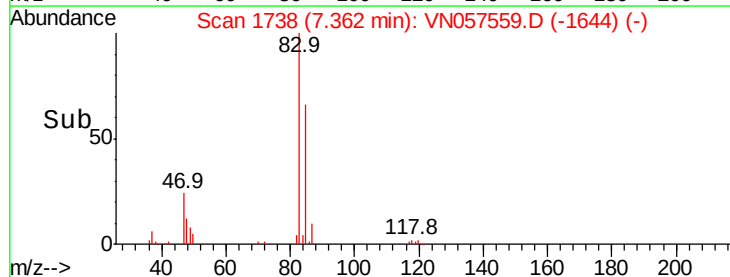
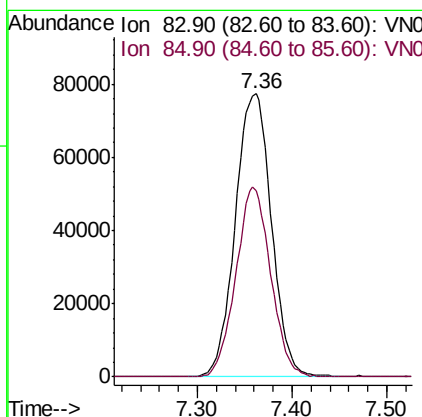
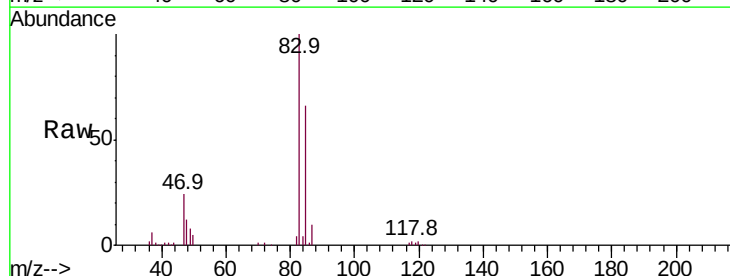
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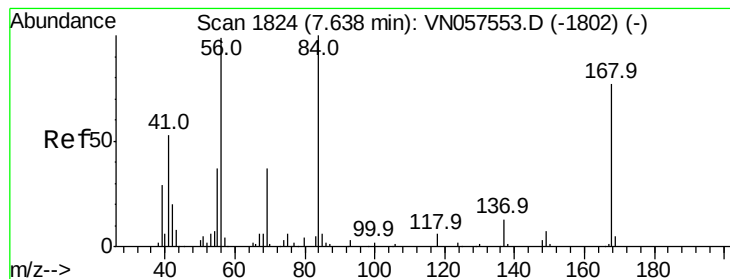
MMDadoda
9/5/2019 11:35:09 AM



#30
Chloroform
Concen: 18.282 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9





#31

Cyclohexane

Concen: 19.188 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 56 Resp: 161359

Ion Ratio Lower Upper

56 100

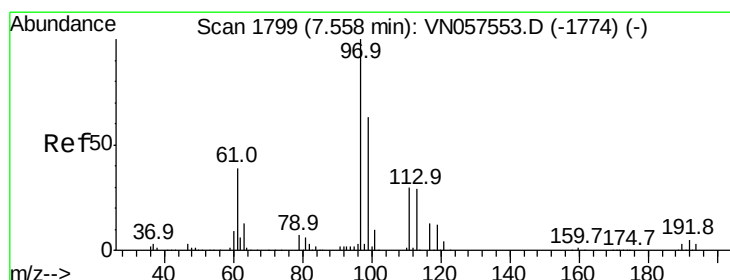
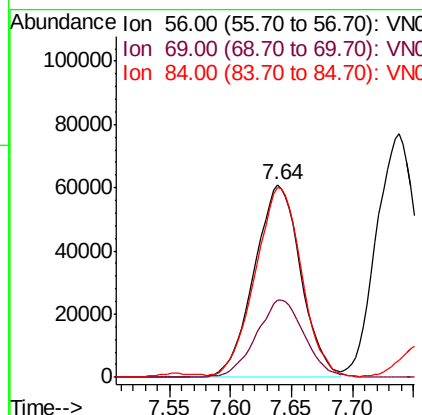
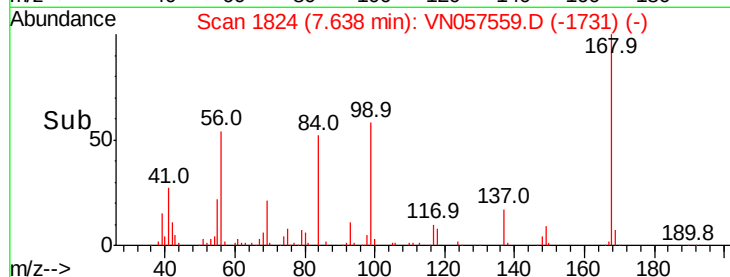
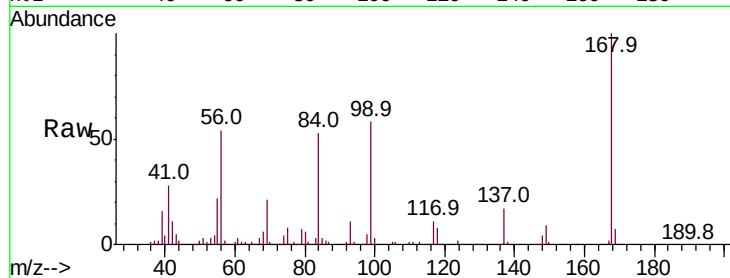
69 39.8 25.0 37.6#

84 97.3 62.5 93.7#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.083 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

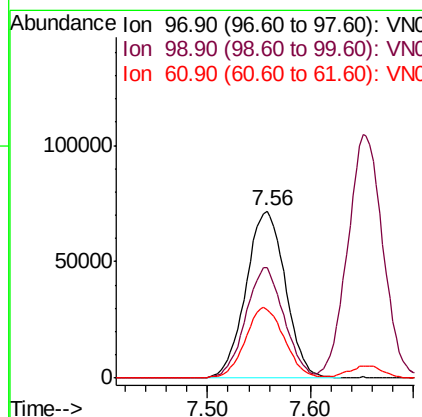
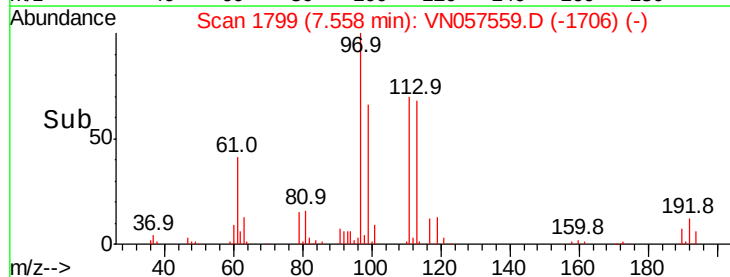
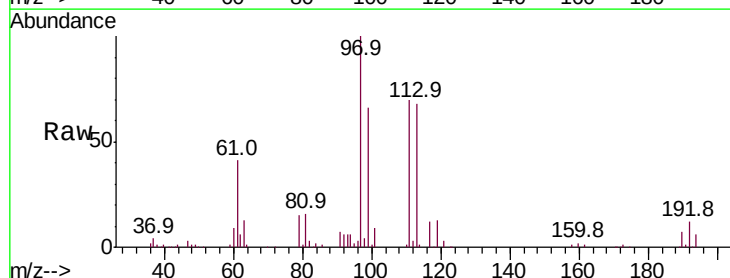
Tgt Ion: 97 Resp: 190620

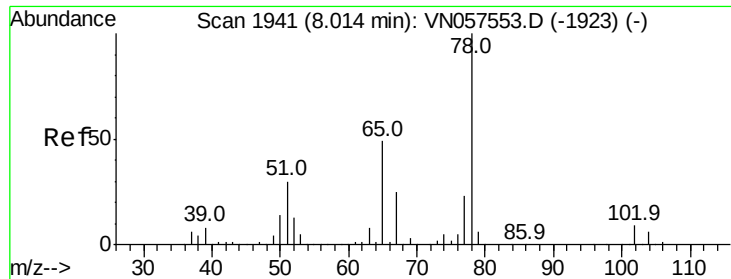
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 41.9 39.8 59.6





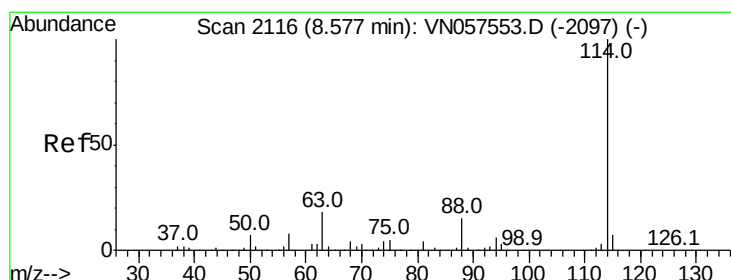
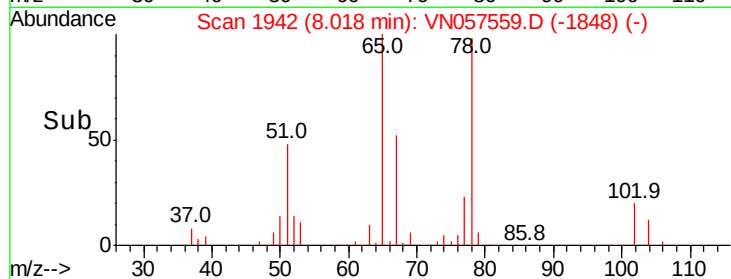
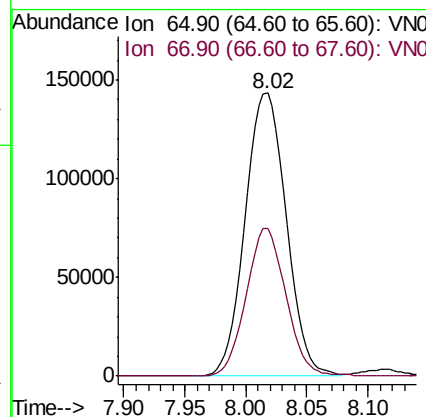
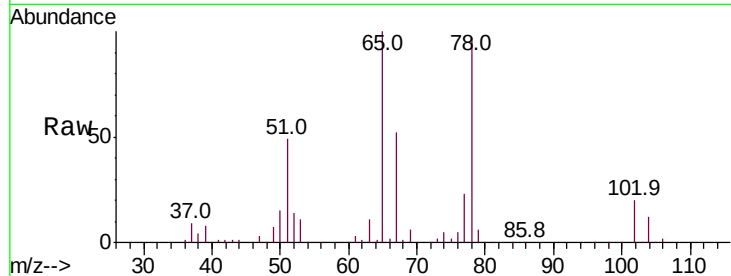
#33
 1,2-Dichloroethane-d4
 Concen: 48.039 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	103.8	

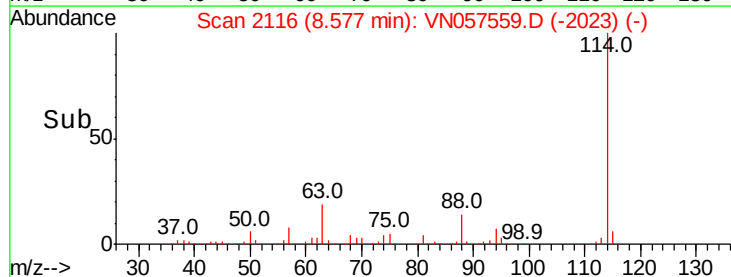
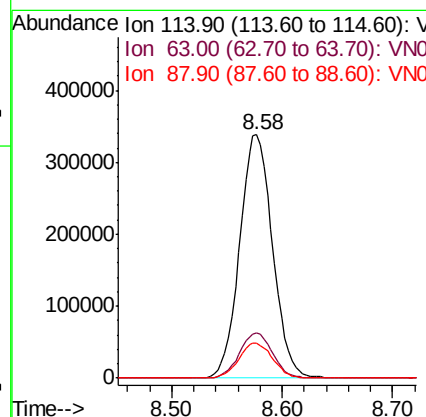
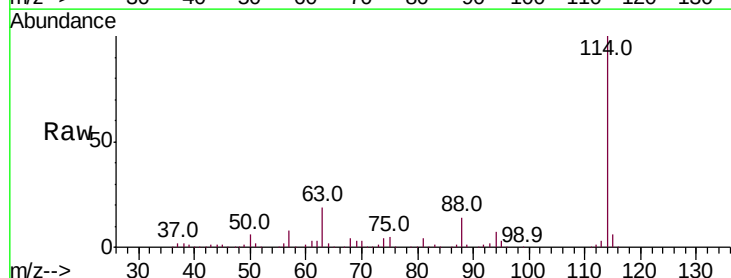
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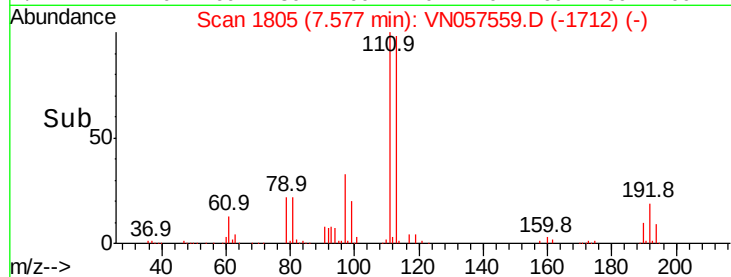
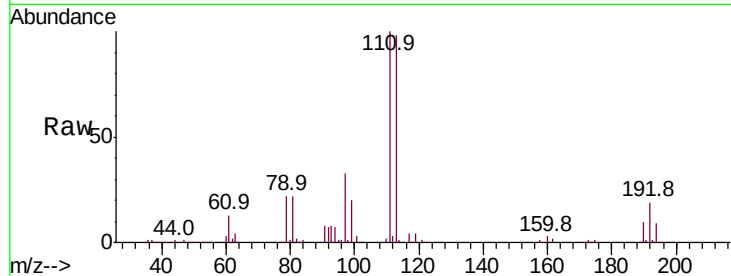
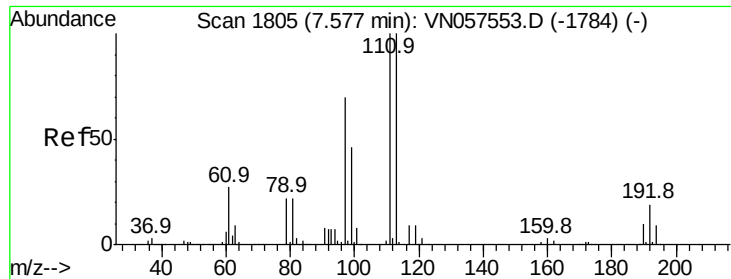
MMDadoda
 9/5/2019 11:35:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	50.2	
88	14.1	0.0	34.6	





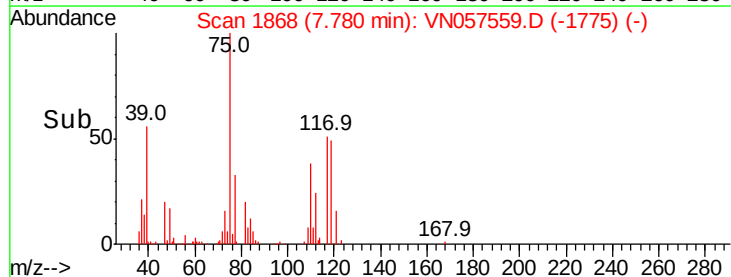
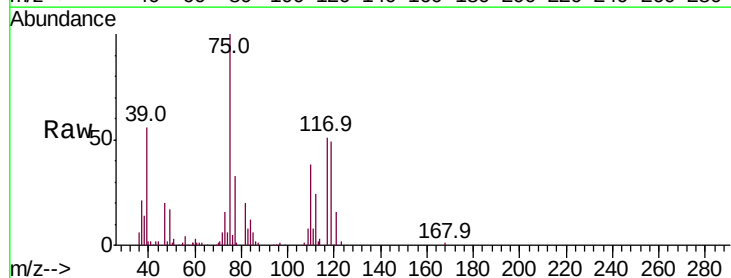
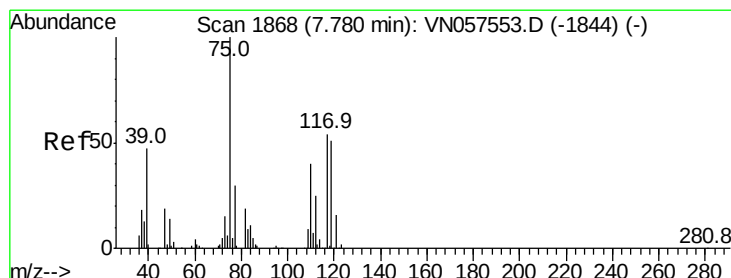
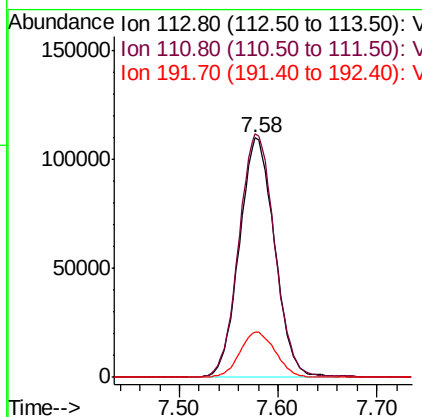
#35
Dibromofluoromethane
Concen: 44.831 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tot Ion	Ratio	Resp	Lower	Upper
113	100	271331		
111	102.9	83.8	125.6	
192	19.1	13.5	20.3	

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

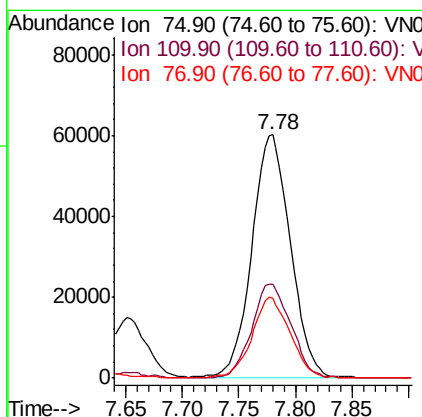
Manual Integrations
APPROVED

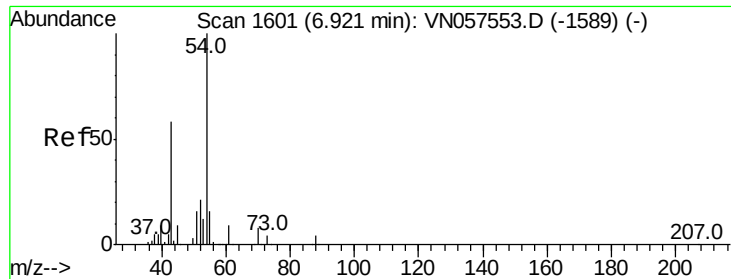
MMDadoda
9/5/2019 11:35:09 AM



#36
1,1-Dichloropropene
Concen: 18.746 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141389		
110	39.5	16.1	48.3	
77	33.1	24.8	37.2	





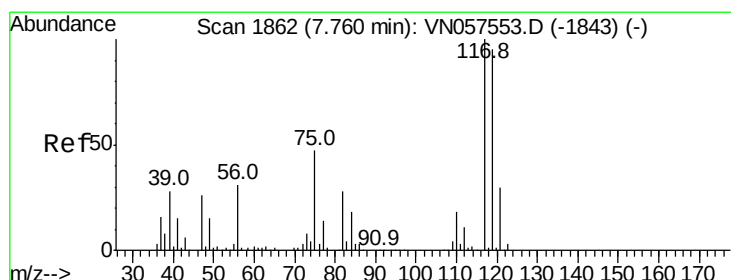
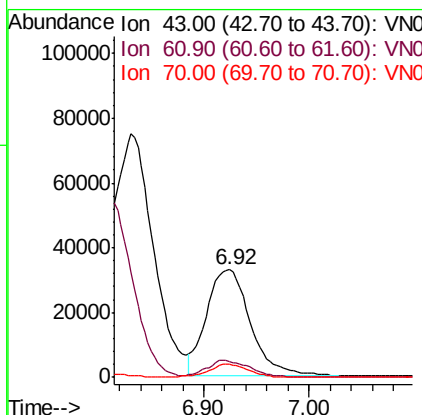
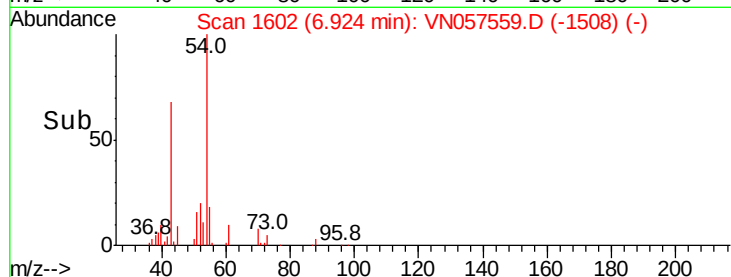
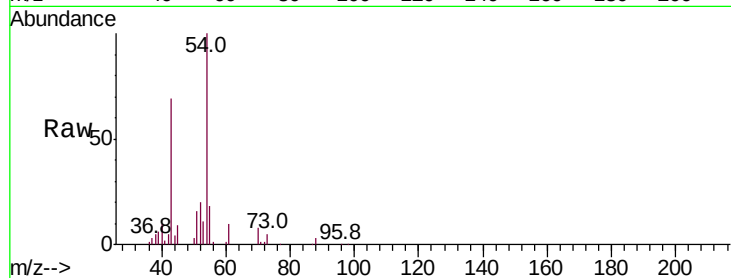
#37
Ethyl Acetate
Concen: 19.032 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	9.9	14.9#
70	11.3	7.0	10.6#

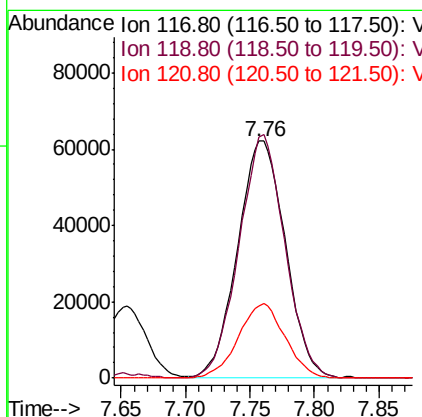
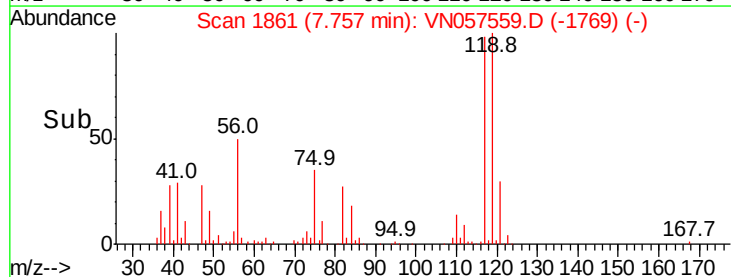
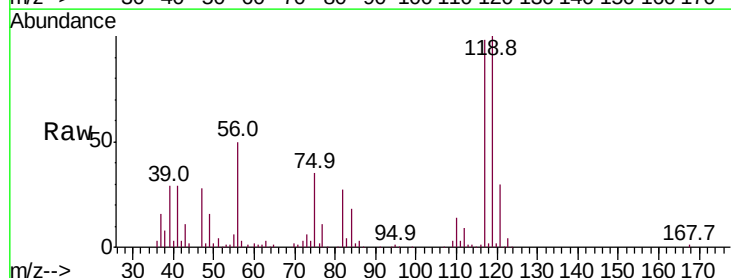
Manual Integrations
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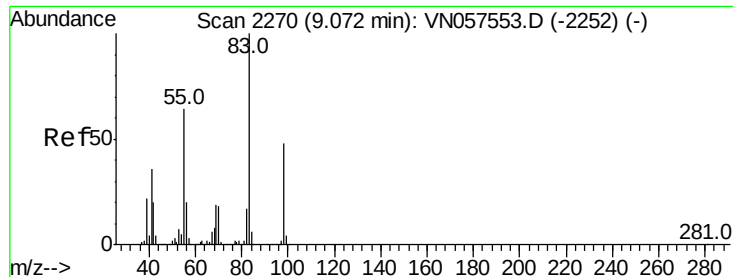
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.077 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	76.2	114.4
121	30.8	23.8	35.6





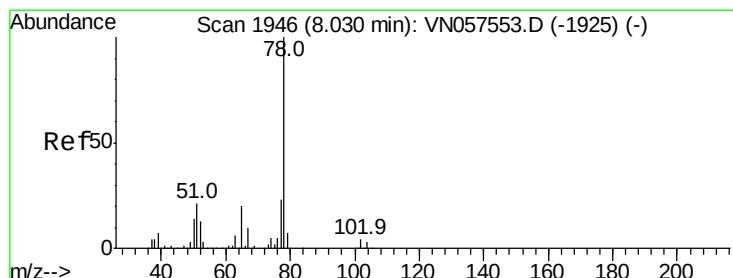
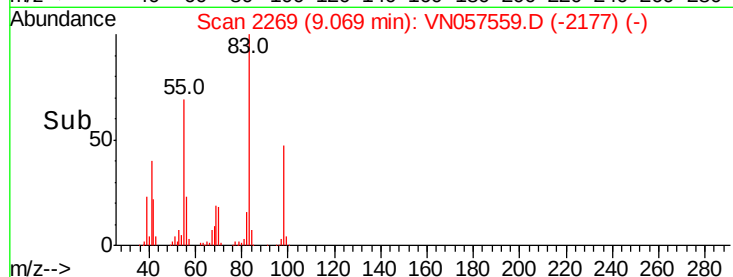
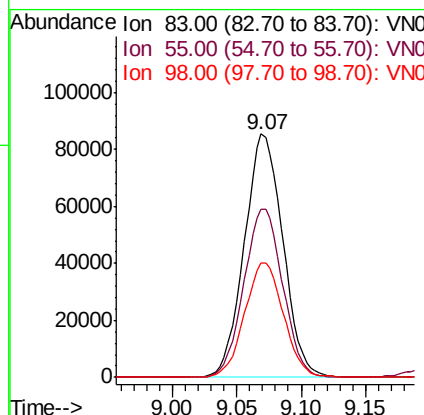
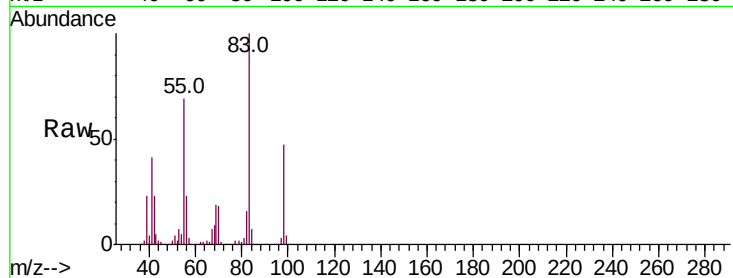
#39
Methylvlcyclohexane
Concen: 18.580 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	68.6	102.8
98	46.8	36.6	54.8

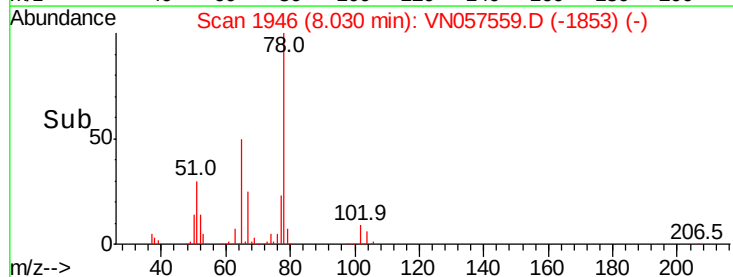
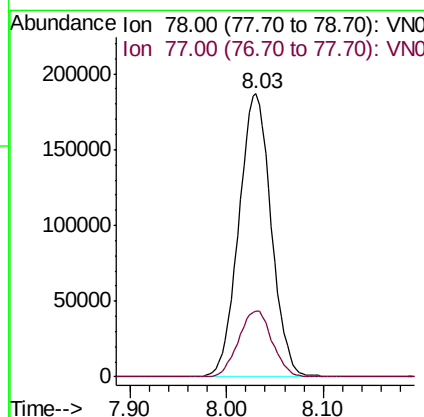
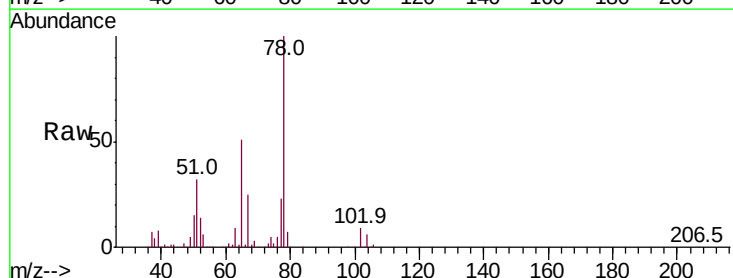
Manual Integrations
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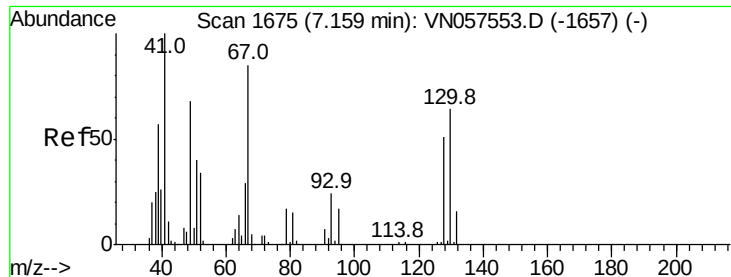
MMDadoda
9/5/2019 11:35:09 AM



#40
Benzene
Concen: 18.804 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7





#41

Methacrylonitrile

Concen: 20.589 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 41 Resp: 45327

Ion Ratio Lower Upper

41 100

39 68.6 53.6 80.4

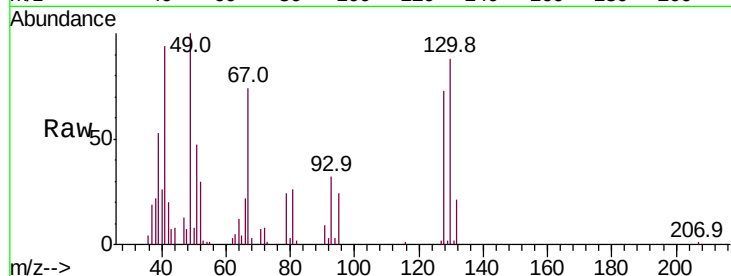
67 97.9 65.4 98.2

52 37.6 29.8 44.6

Manual Integrations
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9/5/2019 11:35:09 AM

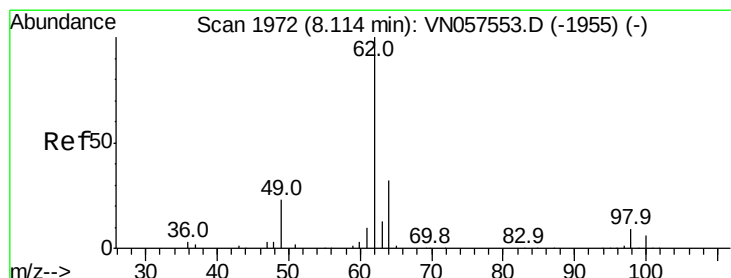
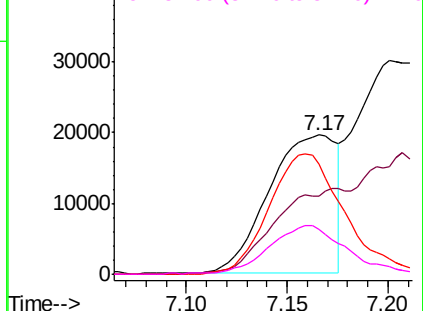
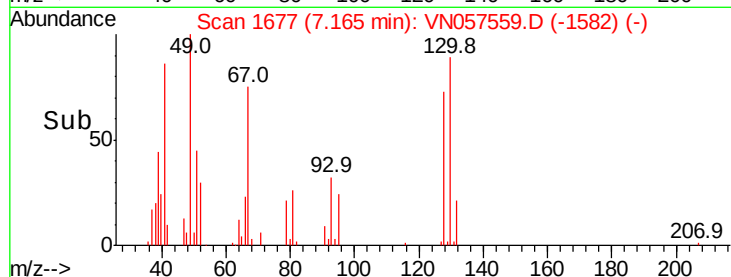


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.463 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057559.D

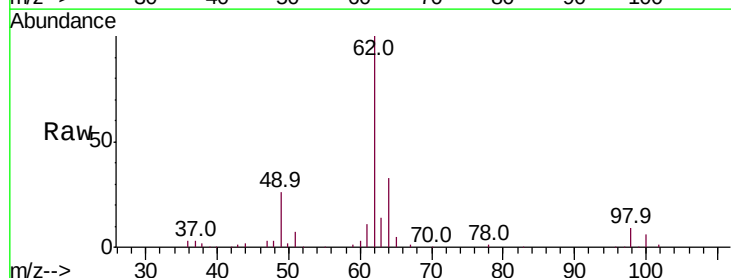
Acq: 29 Aug 2019 19:36

Tgt Ion: 62 Resp: 160005

Ion Ratio Lower Upper

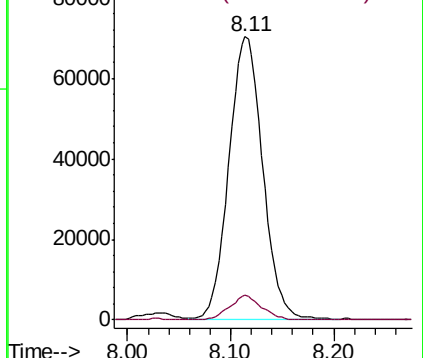
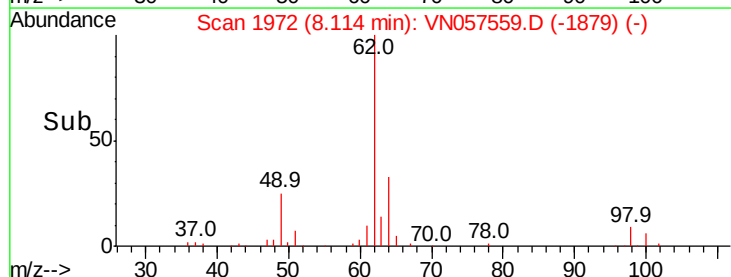
62 100

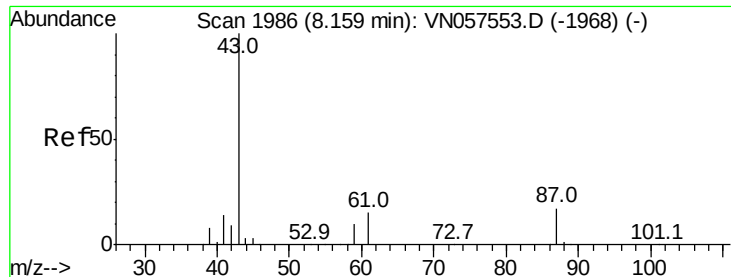
98 8.2 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





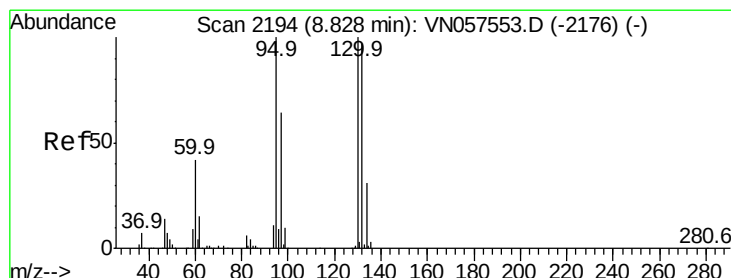
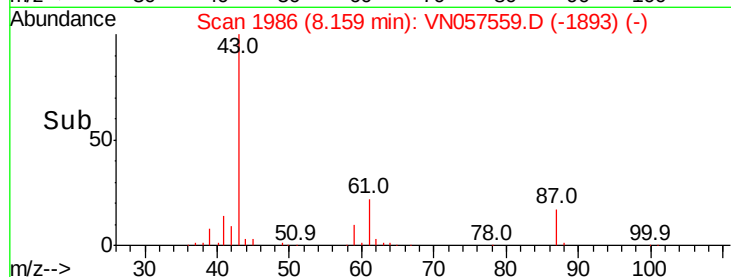
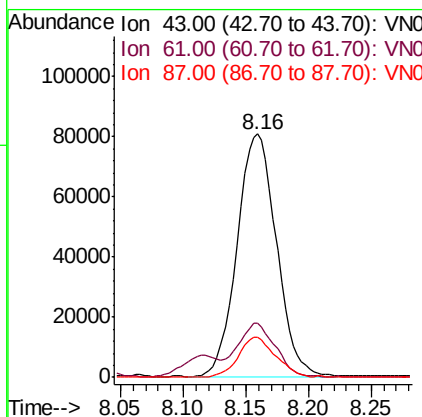
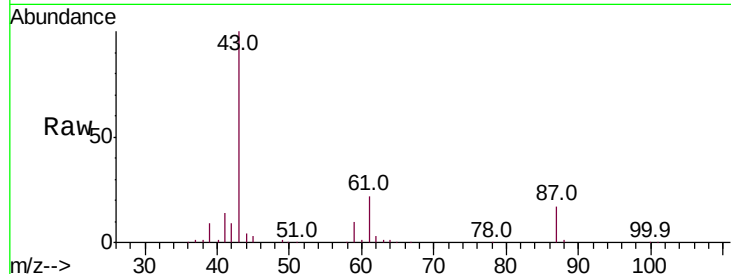
#43
Isopropyl Acetate
Concen: 18.868 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.5	21.7
87	15.6	8.6	12.8

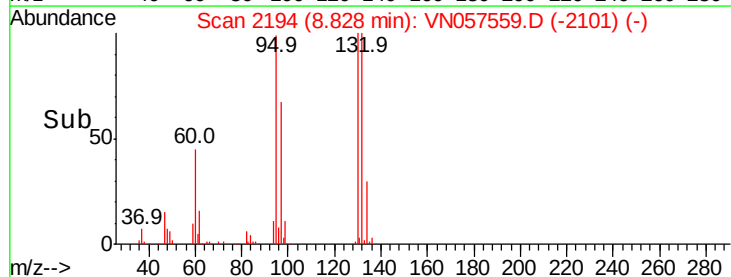
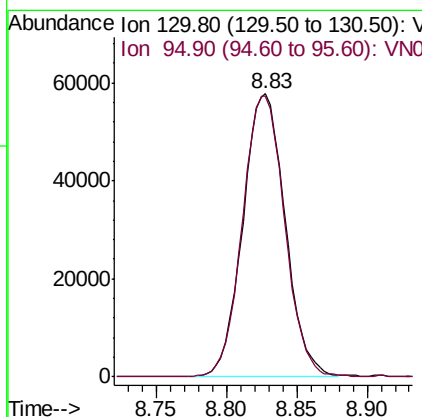
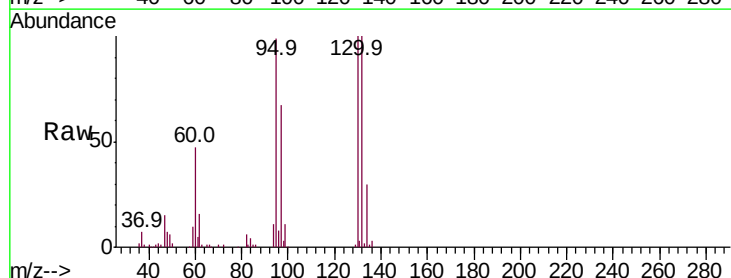
Manual Integrations
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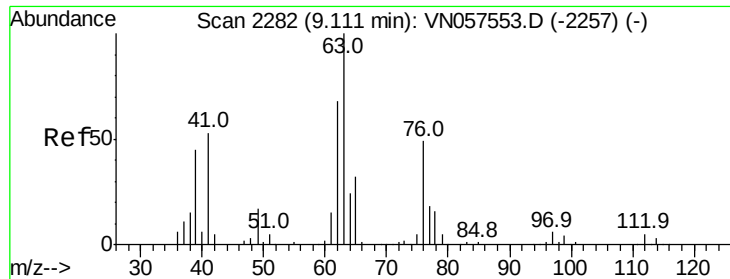
MMDadoda
9/5/2019 11:35:09 AM



#44
Trichloroethene
Concen: 19.040 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	231.6





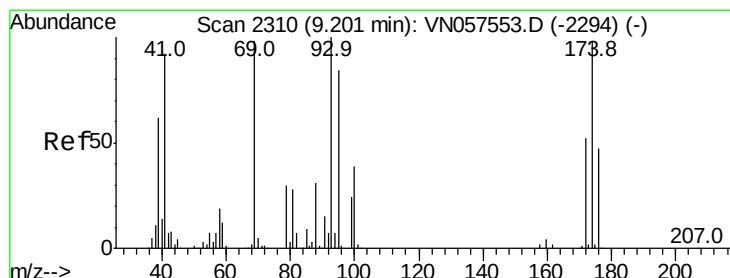
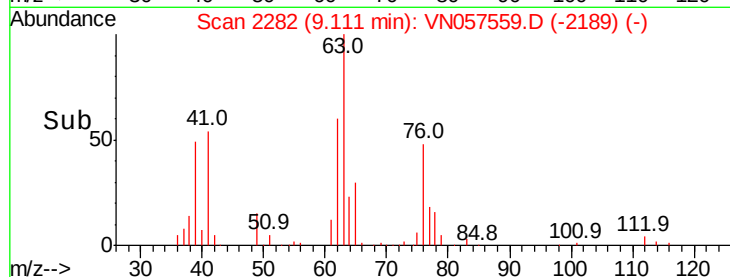
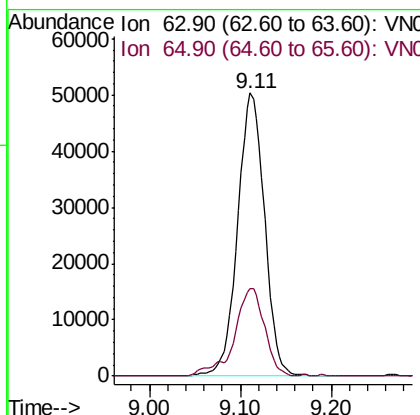
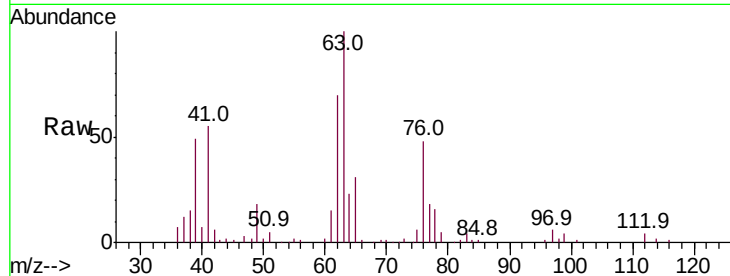
#45
 1,2-Dichloropropane
 Concen: 19.210 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBS01

Tot Ion: 63 Resp: 103685
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.7 37.1

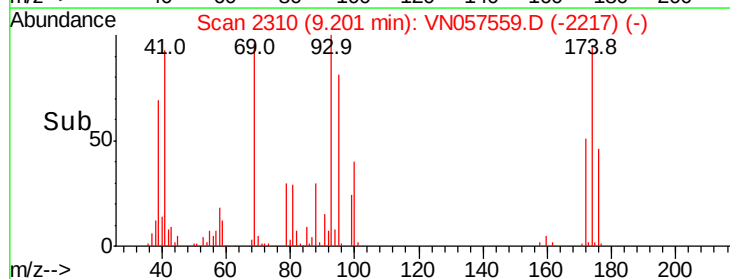
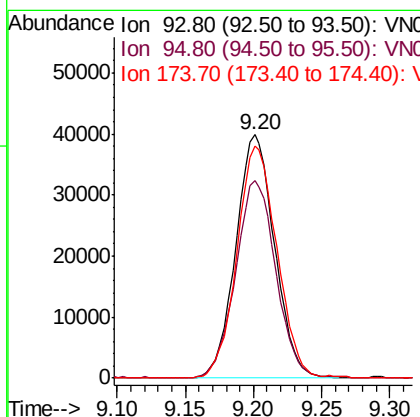
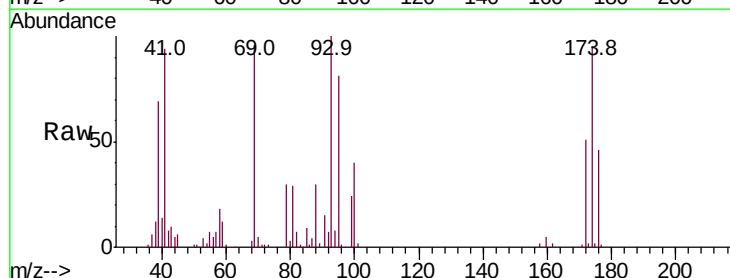
Manual Integrations
 APPROVED

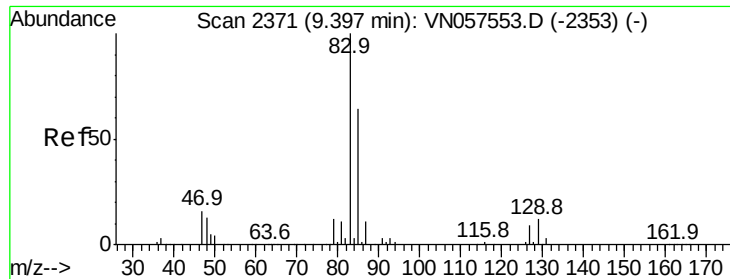
MMDadoda
 9/5/2019 11:35:09 AM



#46
 Dibromomethane
 Concen: 18.548 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion: 93 Resp: 78503
 Ion Ratio Lower Upper
 93 100
 95 84.2 64.7 97.1
 174 98.6 62.3 93.5#





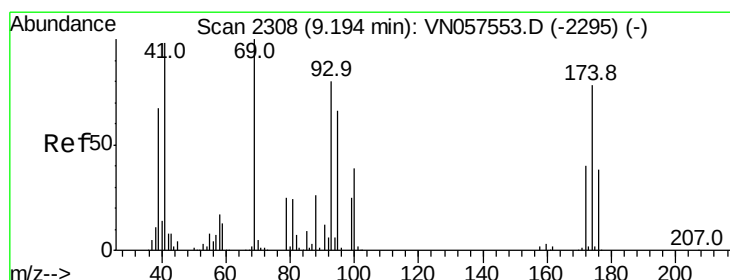
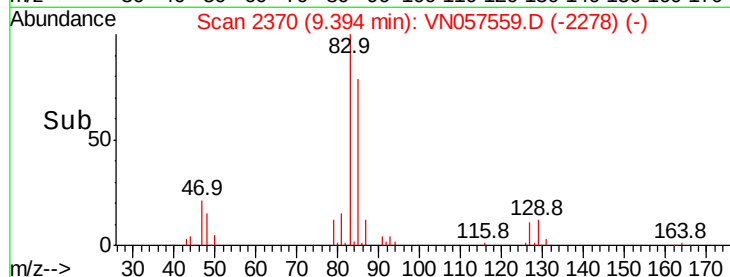
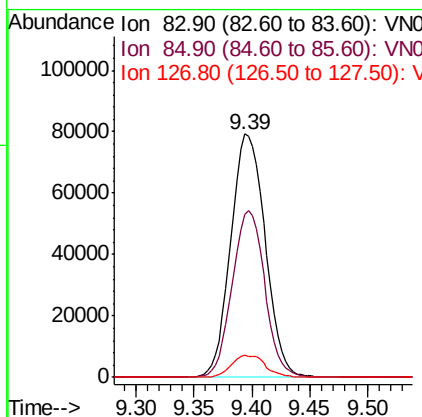
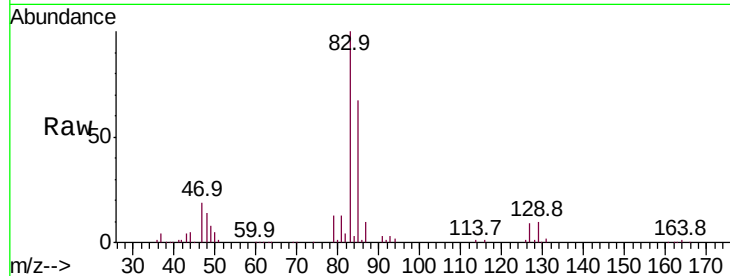
#47
Bromodichloromethane
Concen: 18.715 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	163297		
85	66.7	51.2	76.8	
127	8.9	6.6	10.0	

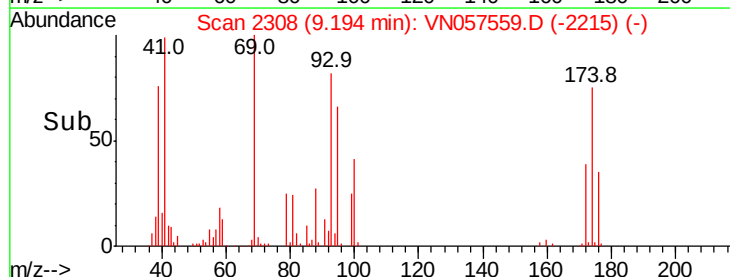
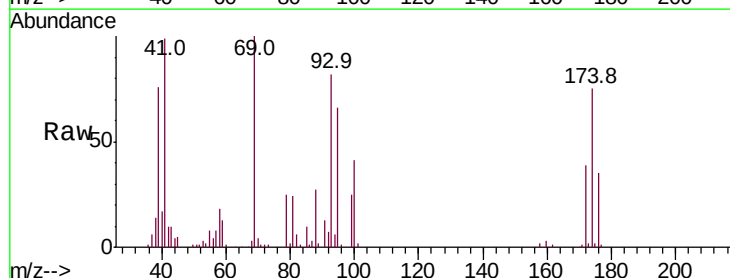
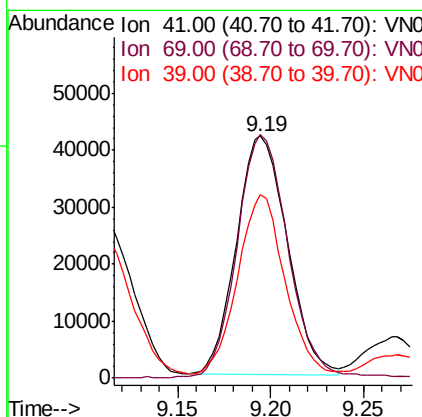
Manual Integrations
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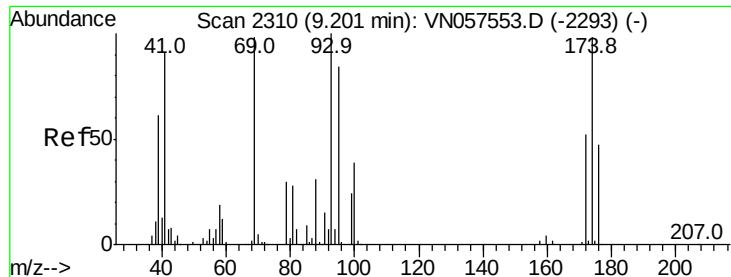
MMDadoda
9/5/2019 11:35:09 AM



#48
Methyl methacrylate
Concen: 18.145 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	79932		
69	103.3	59.3	88.9#	
39	72.7	50.6	75.8	





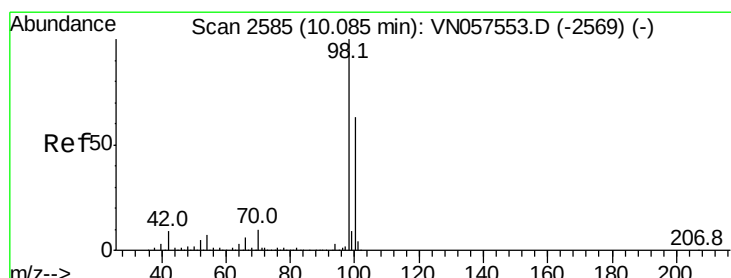
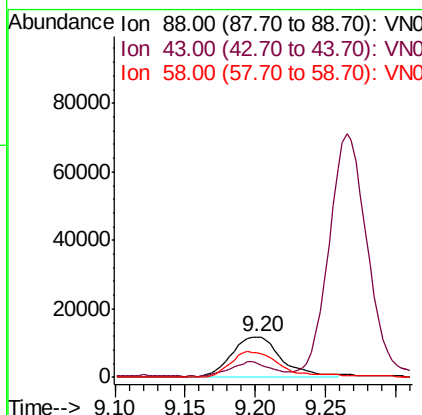
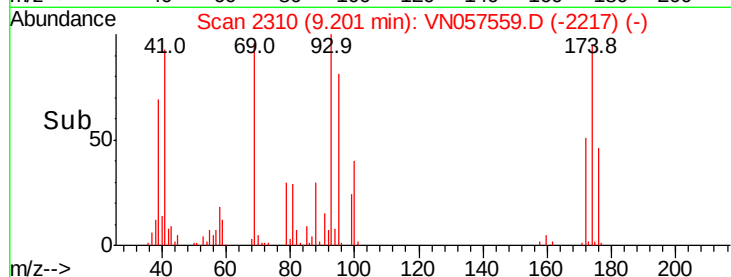
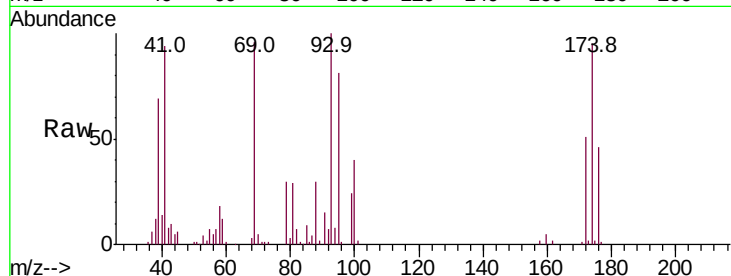
#49
1,4-Dioxane
Concen: 367.709 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.2	31.0	46.6#
58	61.5	64.5	96.7#

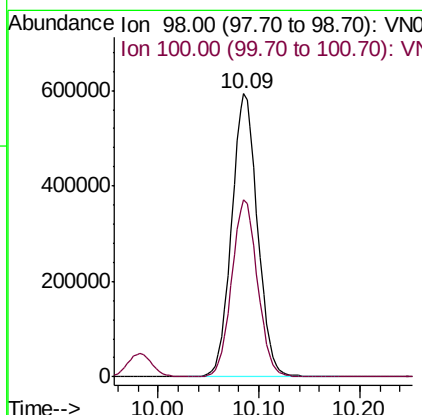
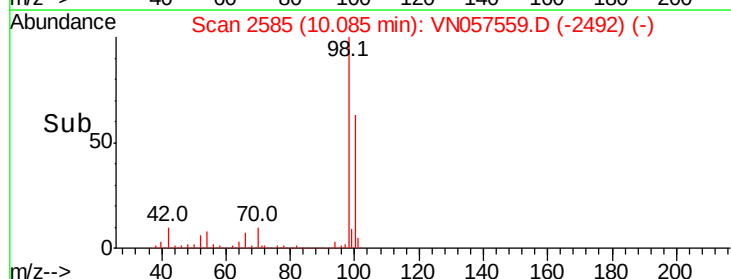
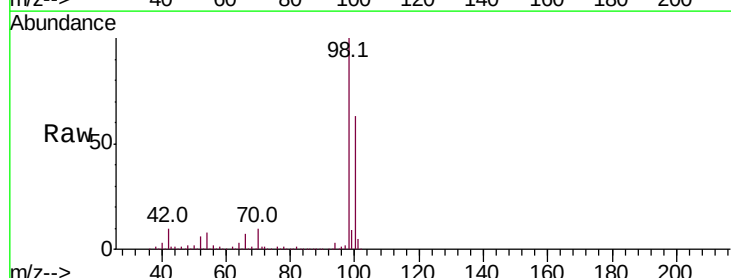
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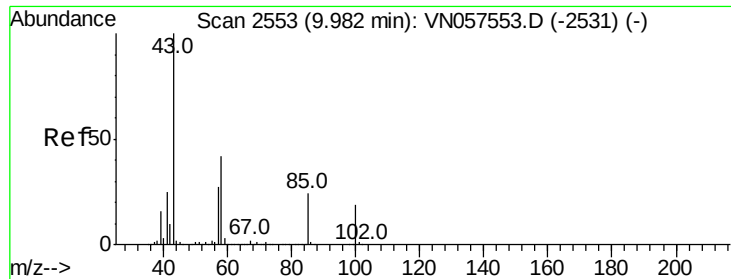
MMDadoda
9/5/2019 11:35:09 AM



#50
Toluene-d8
Concen: 47.900 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.4	75.6





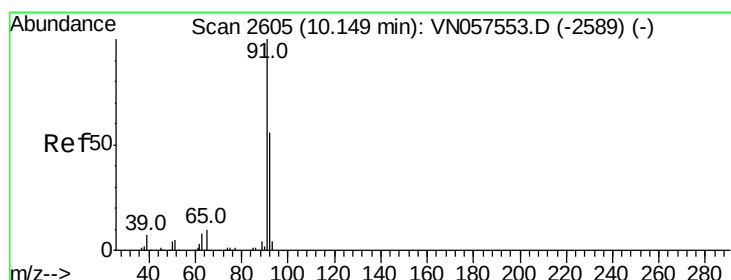
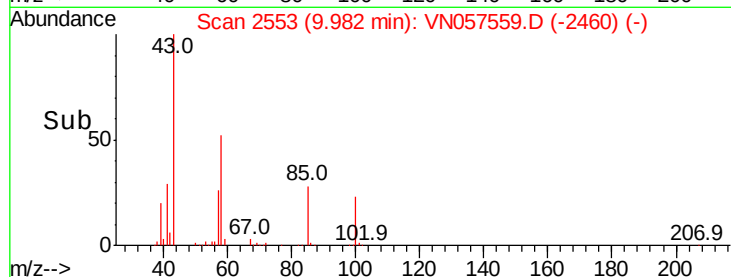
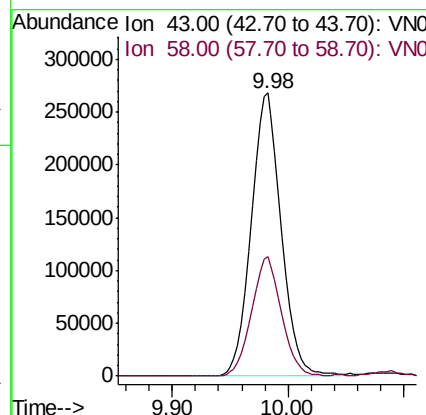
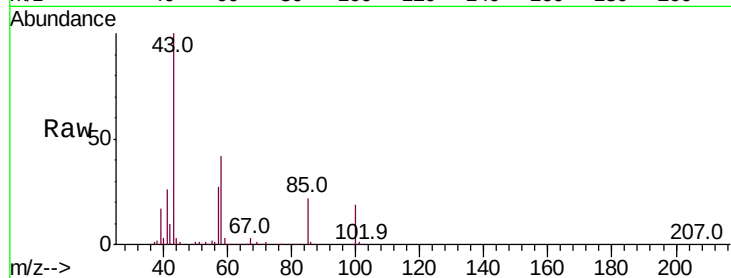
#51
4-Methyl-2-Pentanone
Concen: 96.510 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion: 43 Resp: 481109
Ion Ratio Lower Upper
43 100
58 42.1 27.9 41.9#

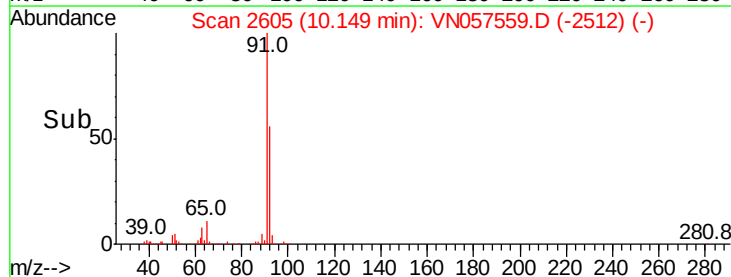
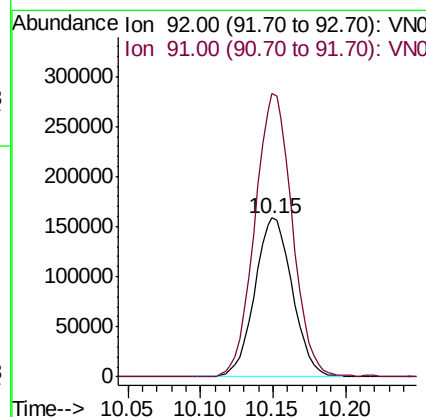
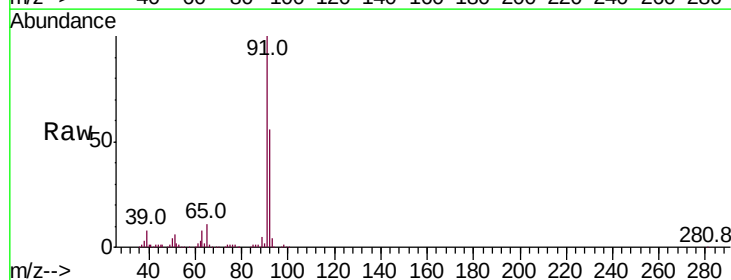
Manual Integrations
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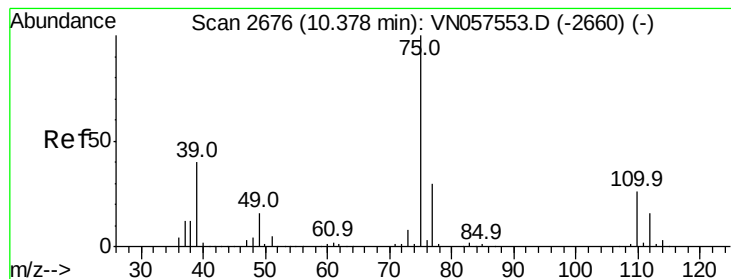
MMDadoda
9/5/2019 11:35:09 AM



#52
Toluene
Concen: 19.158 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion: 92 Resp: 286681
Ion Ratio Lower Upper
92 100
91 177.6 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 18.082 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 75 Resp: 152476

Ion Ratio Lower Upper

75 100

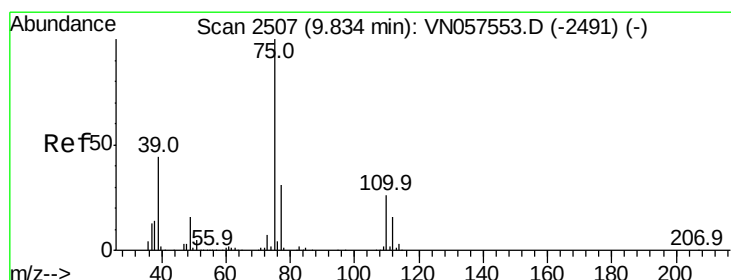
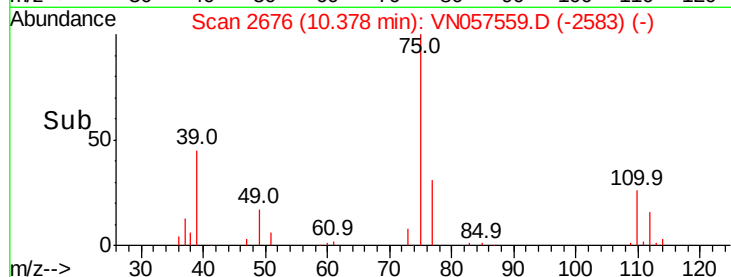
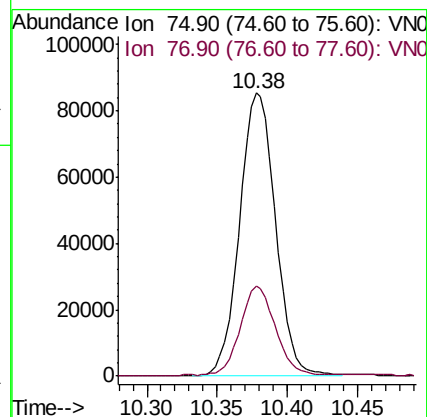
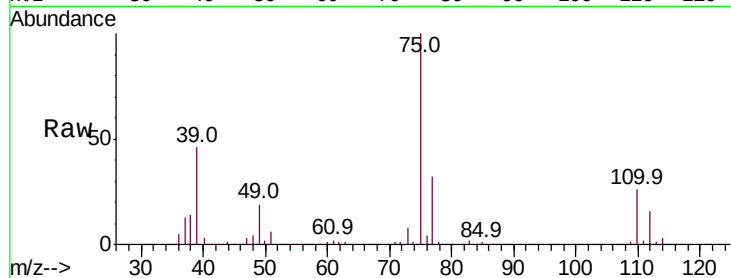
77 31.4 25.0 37.6

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 18.542 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

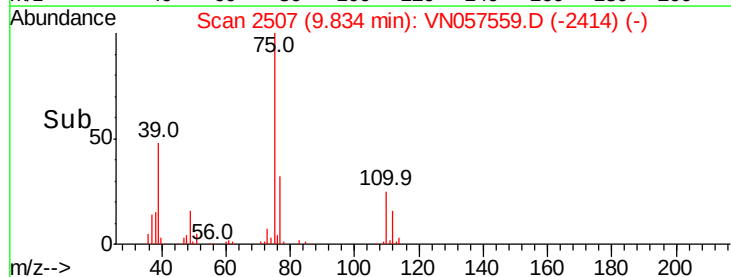
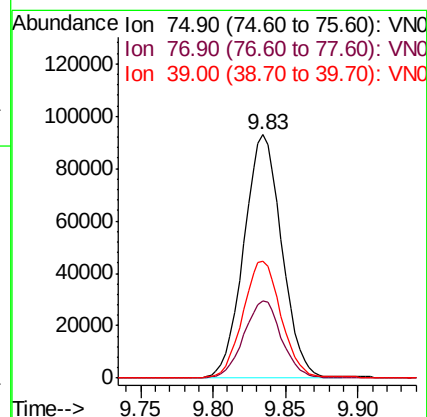
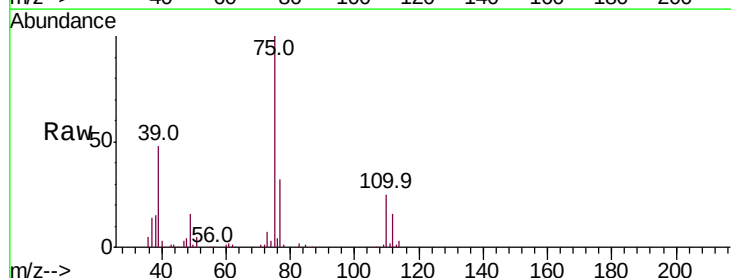
Tgt Ion: 75 Resp: 169345

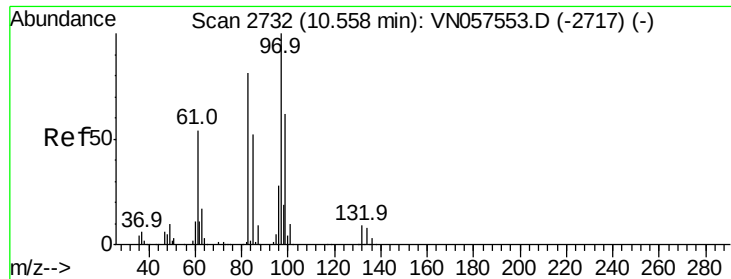
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6

39 48.0 49.2 73.8#





#55

1,1,2-Trichloroethane

Concen: 19.338 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 97 Resp: 111297

Ion Ratio Lower Upper

97 100

83 84.0 73.7 110.5

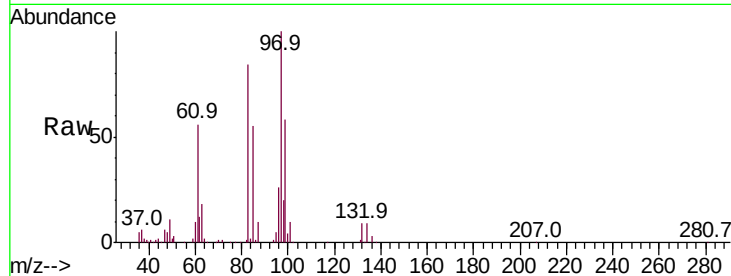
85 54.8 46.8 70.2

99 58.0 49.8 74.8

Manual Integrations
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MMDadoda

9/5/2019 11:35:09 AM

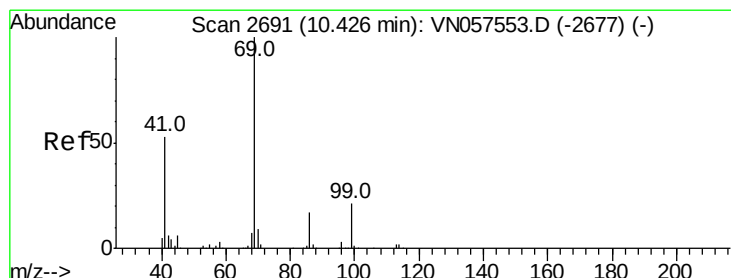
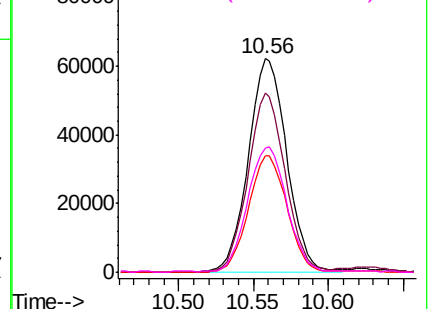
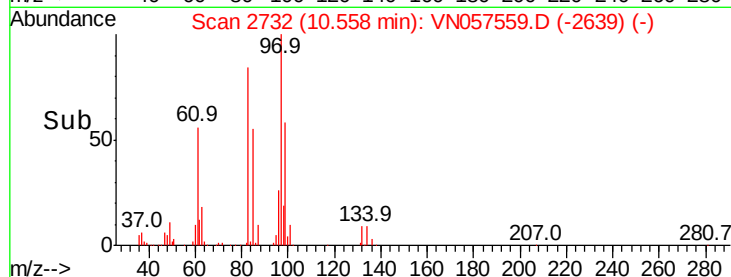


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.701 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

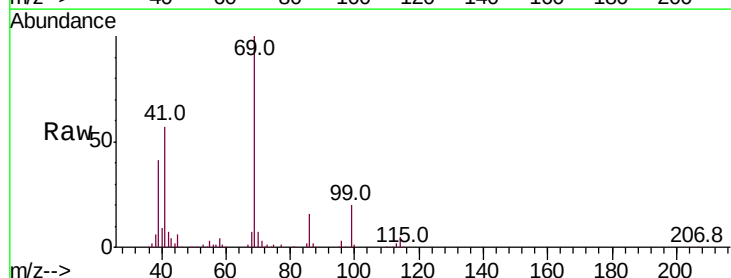
Tgt Ion: 69 Resp: 143261

Ion Ratio Lower Upper

69 100

41 56.2 60.8 91.2#

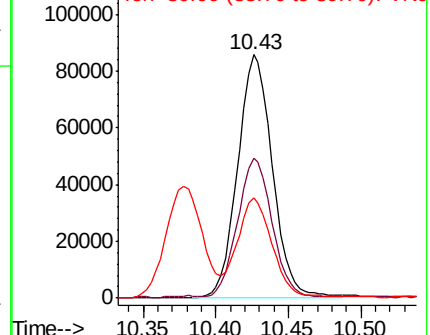
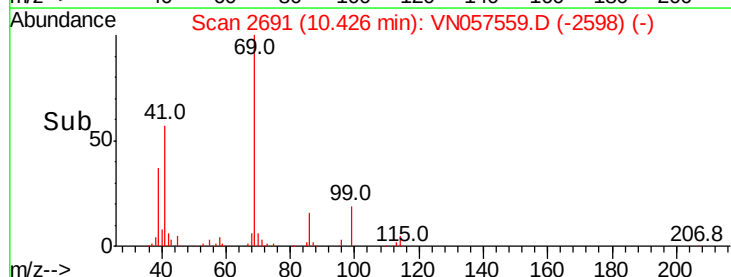
39 40.1 36.5 54.7

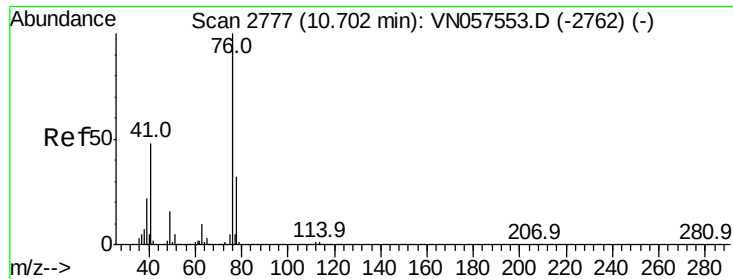


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





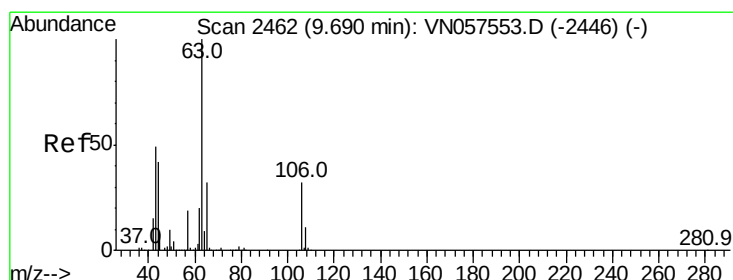
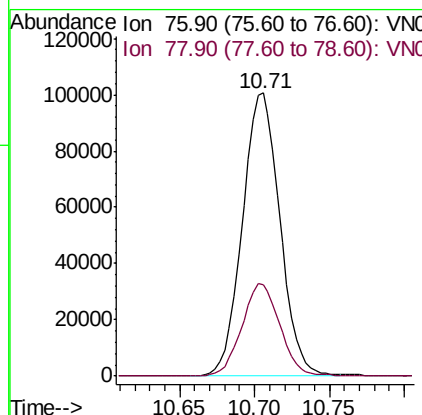
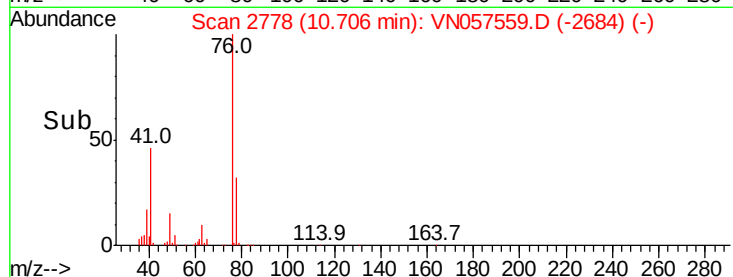
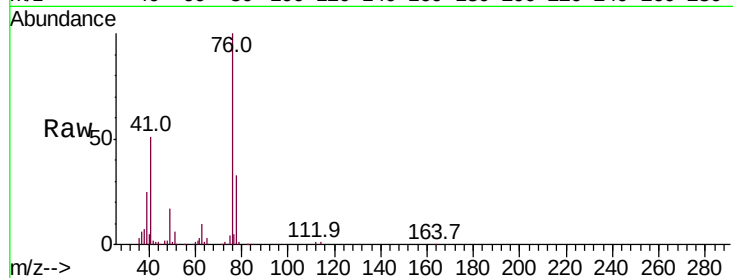
#57
 1,3-Dichloropropane
 Concen: 19.108 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	25.5	38.3

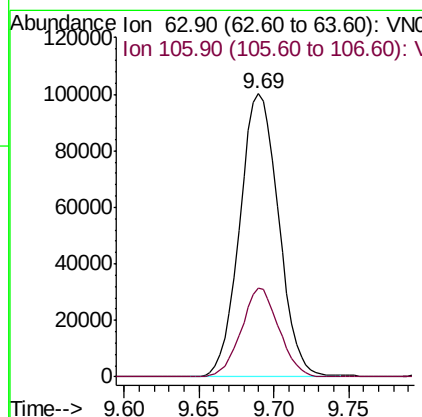
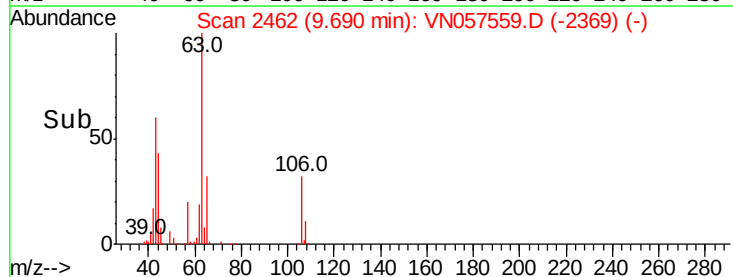
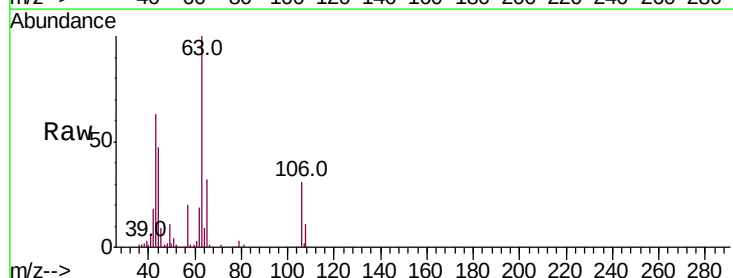
Manual Integrations
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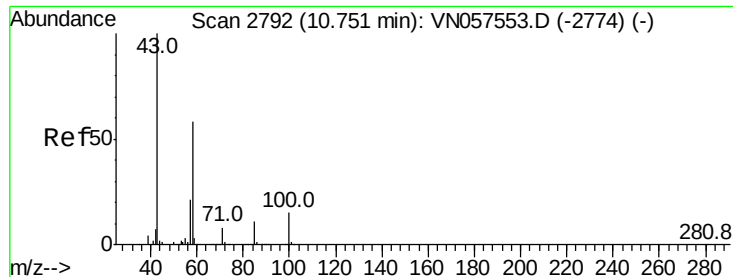
MMDadoda
 9/5/2019 11:35:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.780 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	18.6	27.8#





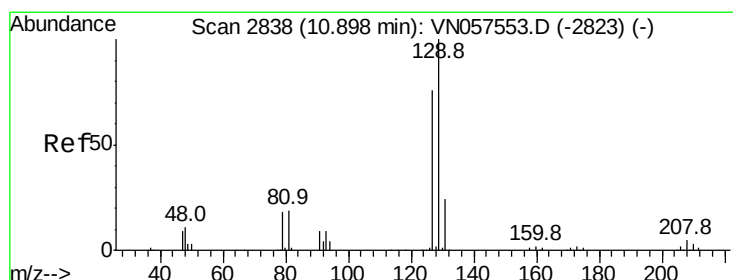
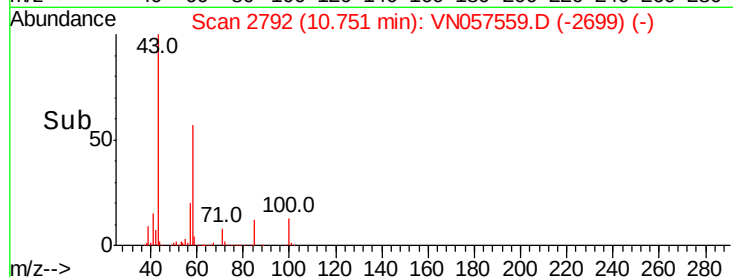
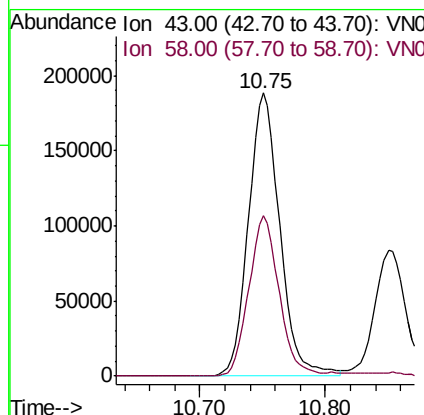
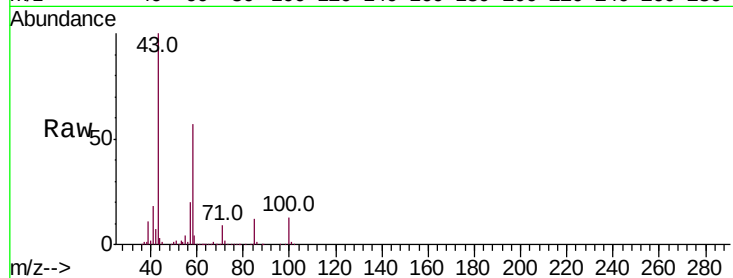
#59
2-Hexanone
Concen: 95.181 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	43	58	Ratio	100	54.9	Resp	327591	Lower	24.6	Upper	73.6
Ion	43	58	Ratio	100	54.9	Resp	327591	Lower	24.6	Upper	73.6

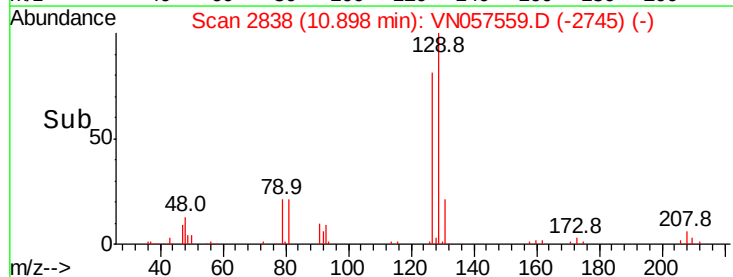
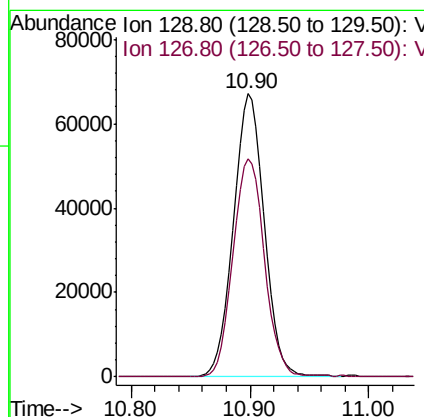
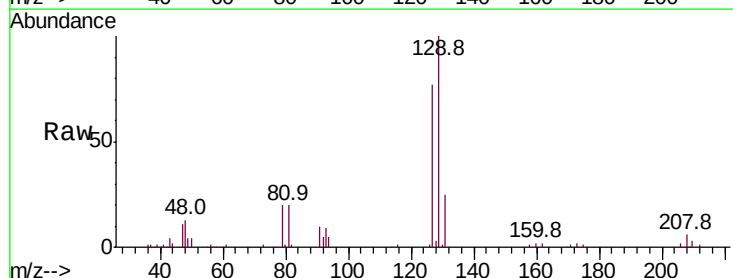
Manual Integrations
APPROVED

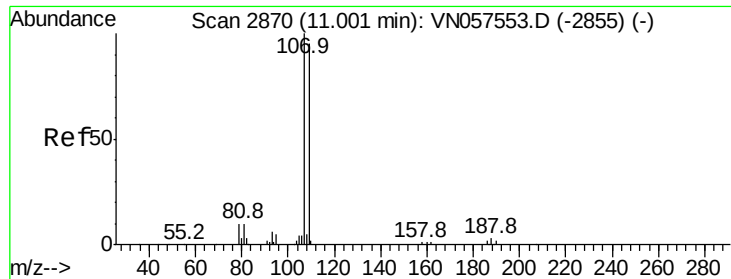
MMDadoda
9/5/2019 11:35:09 AM



#60
Dibromochloromethane
Concen: 18.411 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	129	127	Ratio	100	78.4	Resp	120867	Lower	39.0	Upper	116.9
Ion	129	127	Ratio	100	78.4	Resp	120867	Lower	39.0	Upper	116.9





#61

1,2-Dibromoethane

Concen: 19.000 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion: 107 Resp: 114430

Ion Ratio Lower Upper

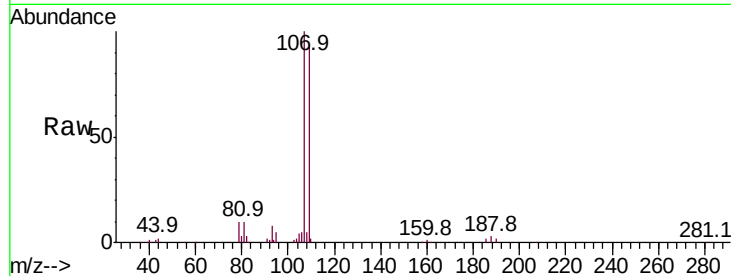
107 100

109 92.6 73.8 110.8

Manual Integrations
APPROVED

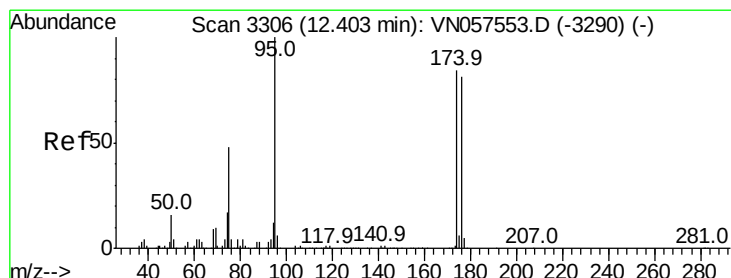
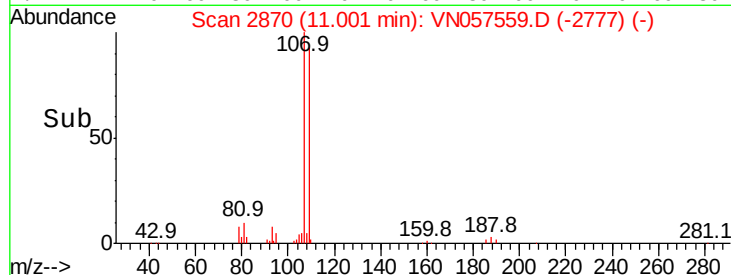
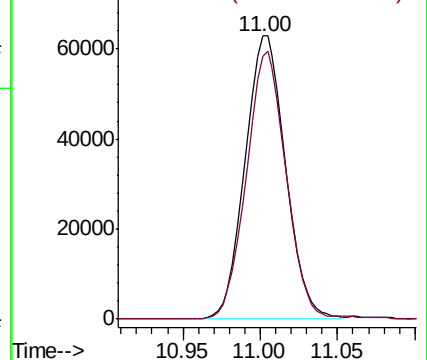
MMDadoda

9/5/2019 11:35:09 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.930 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

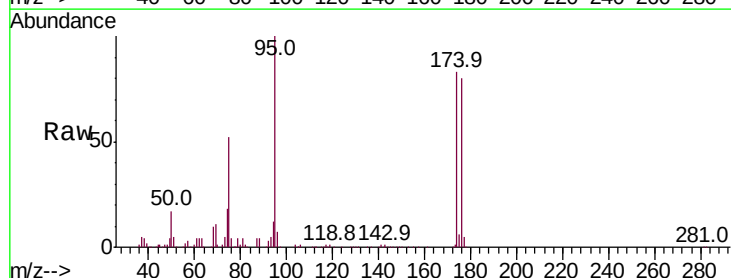
Tgt Ion: 95 Resp: 328806

Ion Ratio Lower Upper

95 100

174 81.4 0.0 133.0

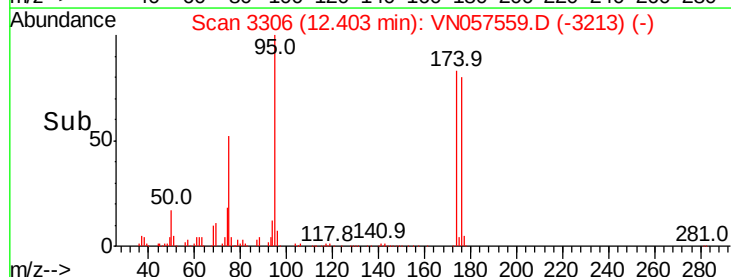
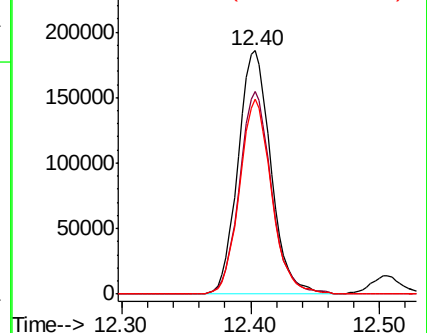
176 78.2 0.0 130.8

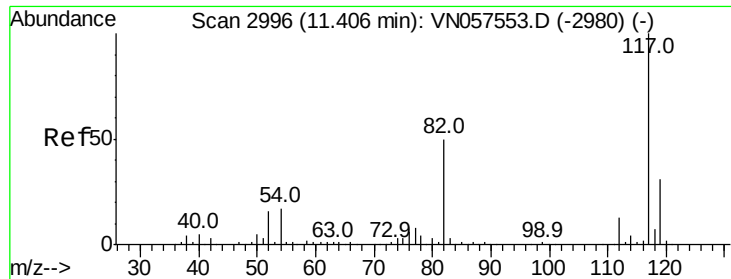


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





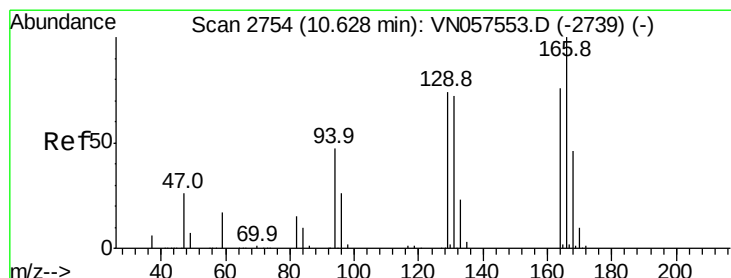
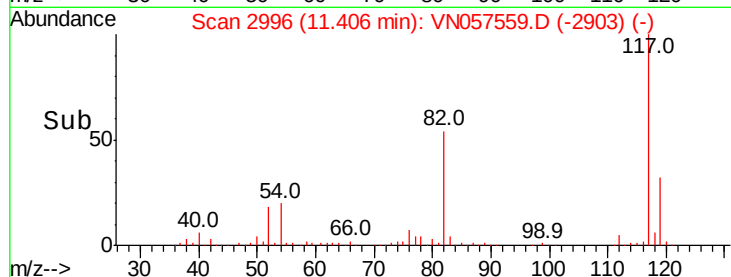
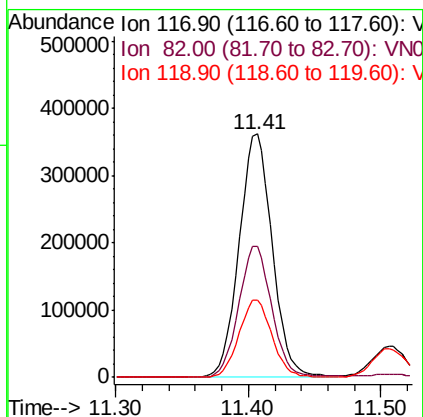
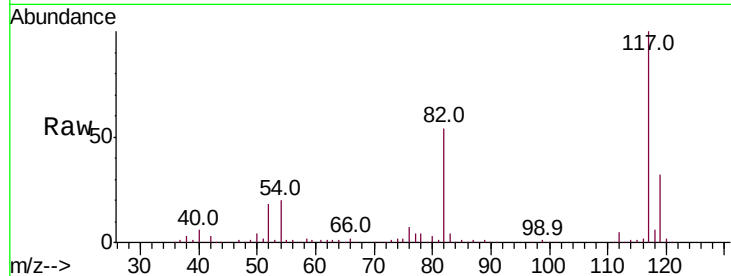
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	50.6	75.8
119	31.8	24.6	36.8

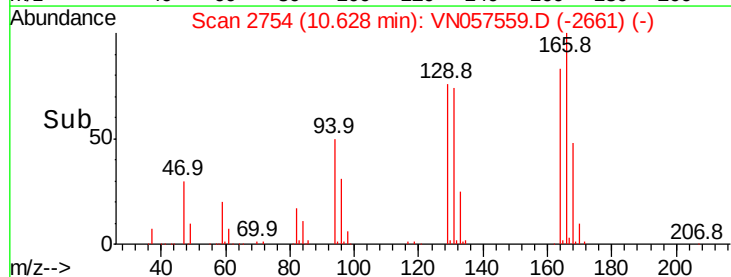
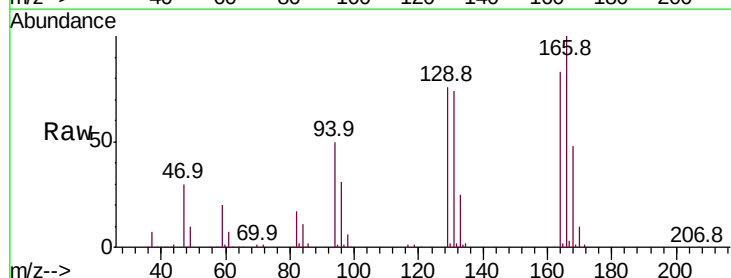
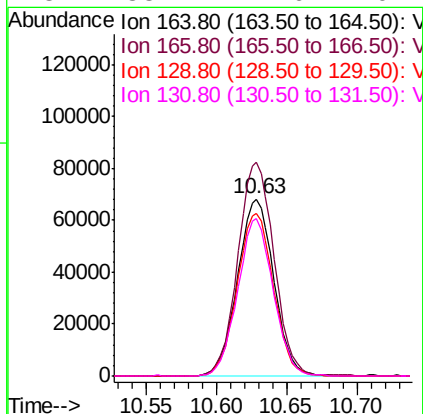
Manual Integrations
APPROVED

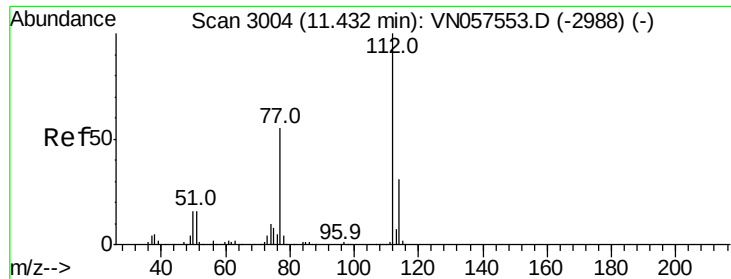
MMDadoda
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#64
Tetrachloroethene
Concen: 18.996 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.5	104.4	156.6
129	91.8	86.6	130.0
131	88.7	77.6	116.4





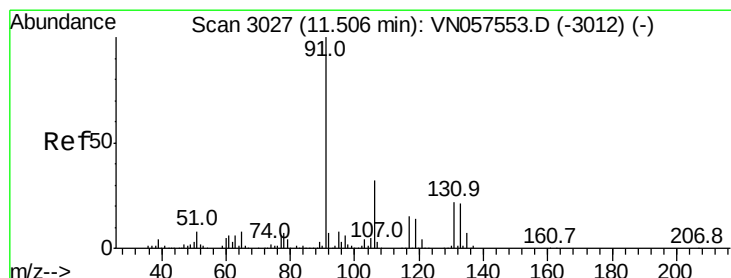
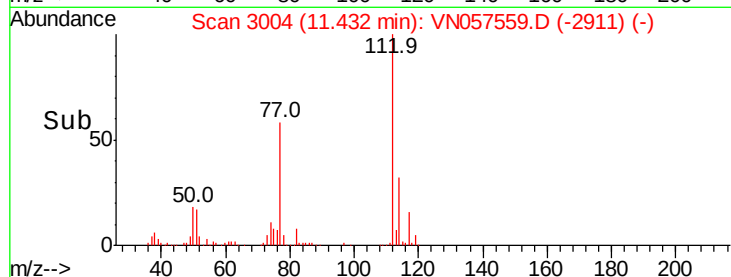
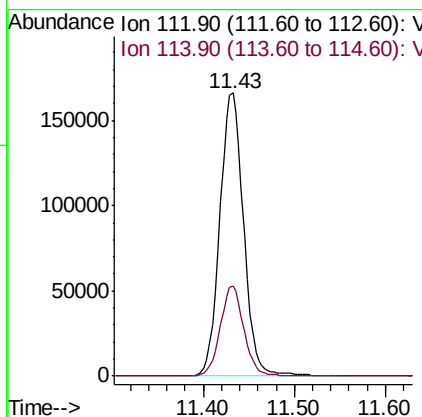
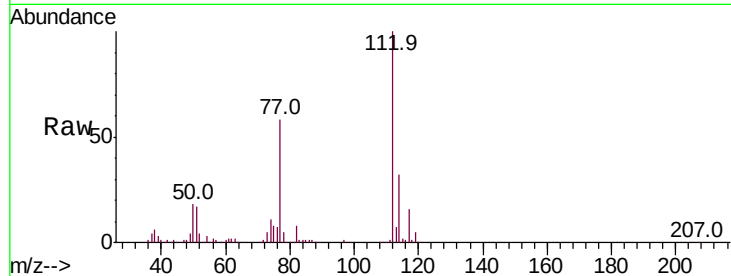
#65
Chlorobenzene
Concen: 19.081 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	301327		
114	31.8	24.8	37.2	

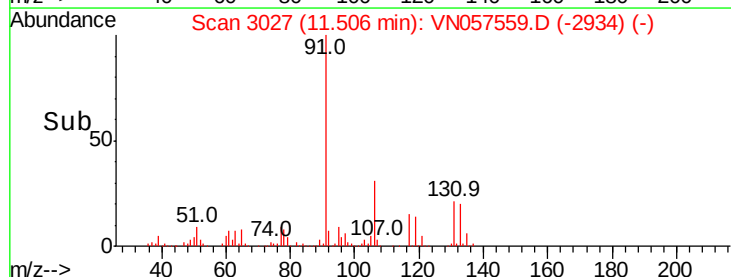
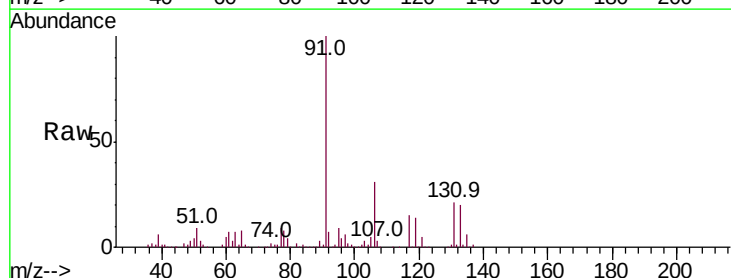
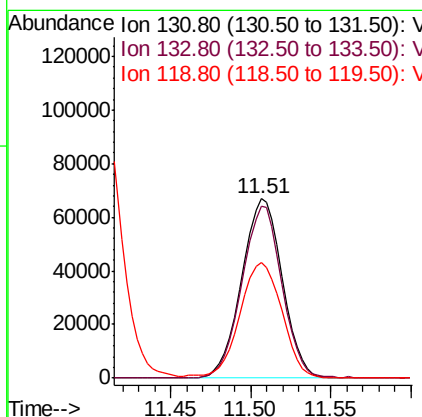
Manual Integrations
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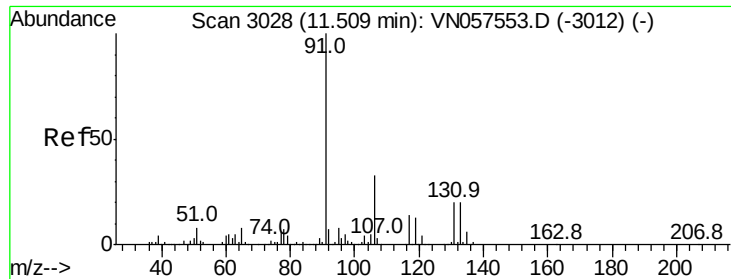
MMDadoda
9/5/2019 11:35:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.605 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	115877		
133	94.6	47.6	142.8	
119	67.3	34.4	103.2	





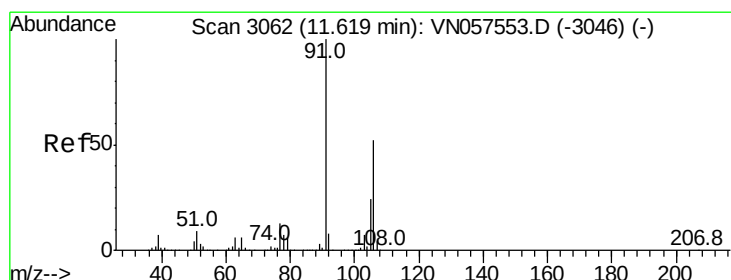
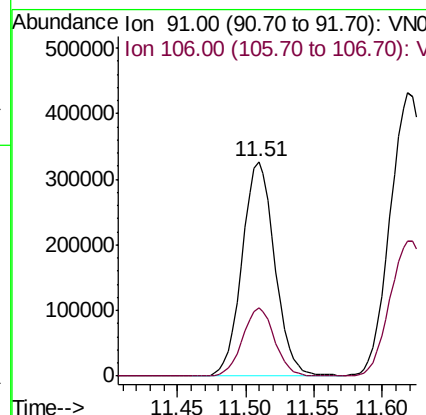
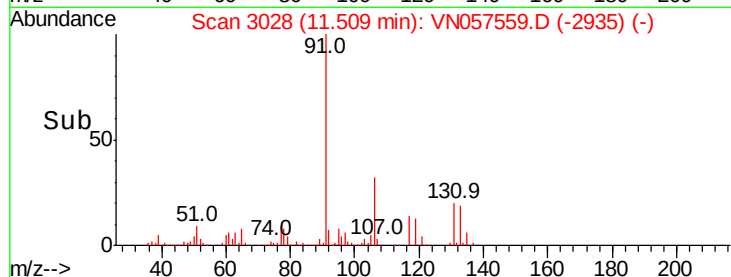
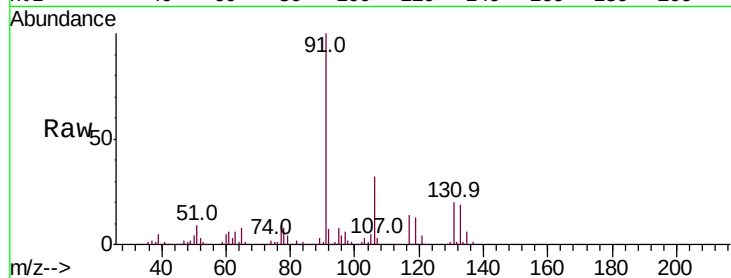
#67
Ethyl Benzene
Concen: 19.639 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion: 91 Resp: 544644
Ion Ratio Lower Upper
91 100
106 31.6 24.1 36.1

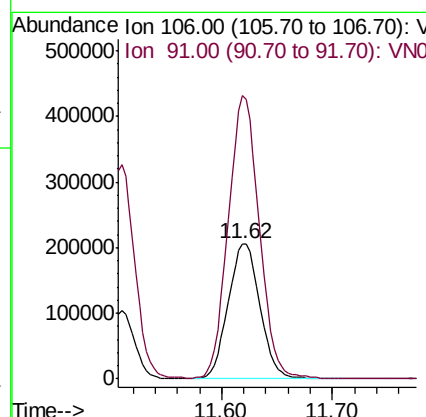
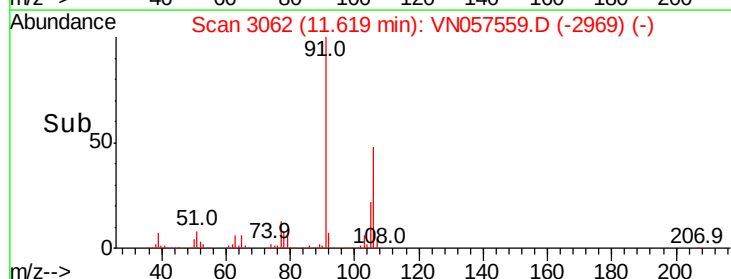
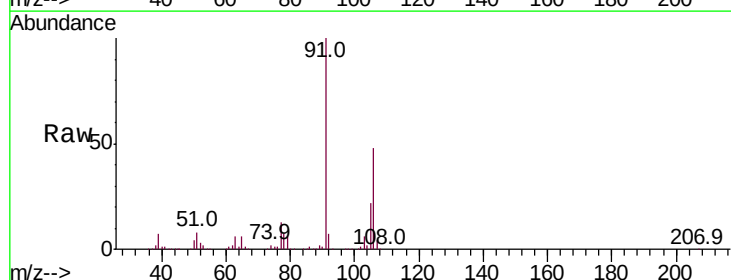
Manual Integrations
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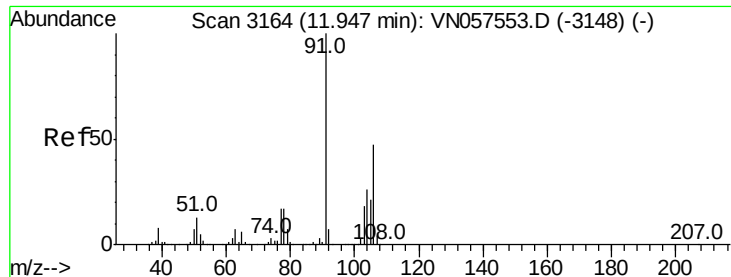
MMDadoda
9/5/2019 11:35:09 AM



#68
m/p-Xylenes
Concen: 38.916 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion: 106 Resp: 411049
Ion Ratio Lower Upper
106 100
91 205.3 171.8 257.6





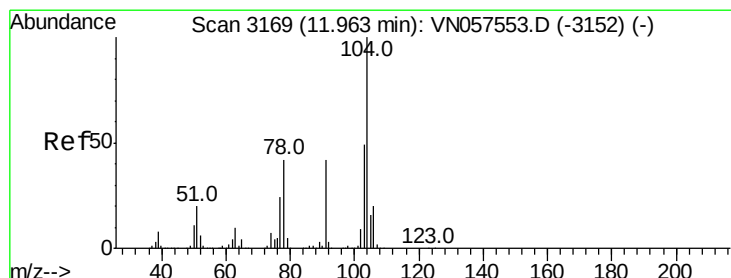
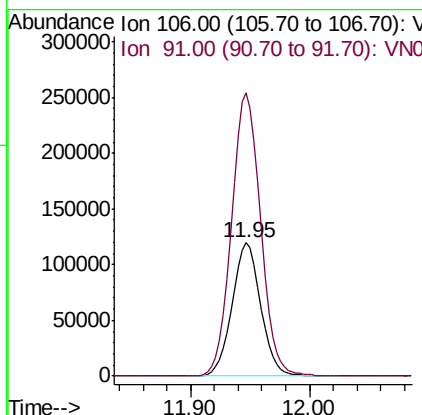
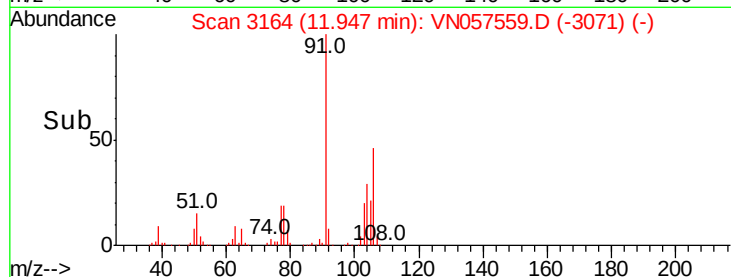
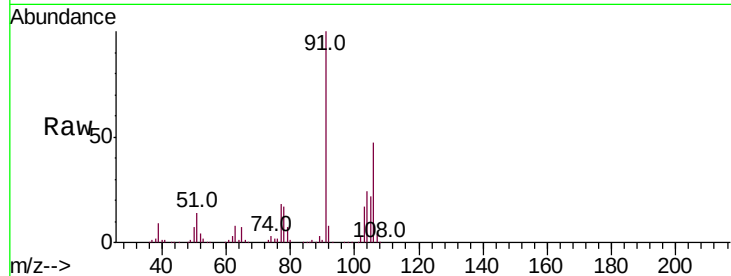
#69
o-Xylene
Concen: 18.800 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	199410		
91	215.8	112.3	336.9	

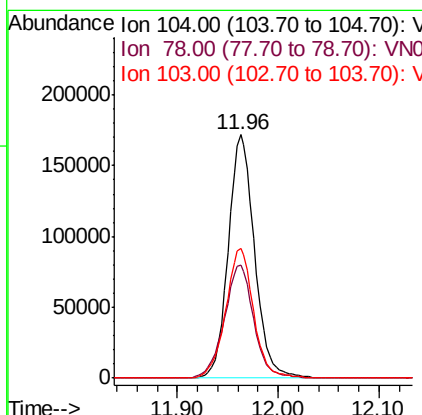
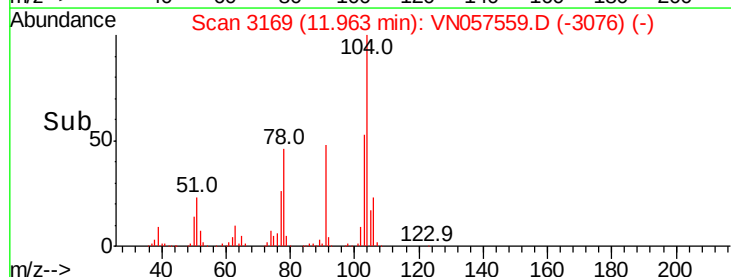
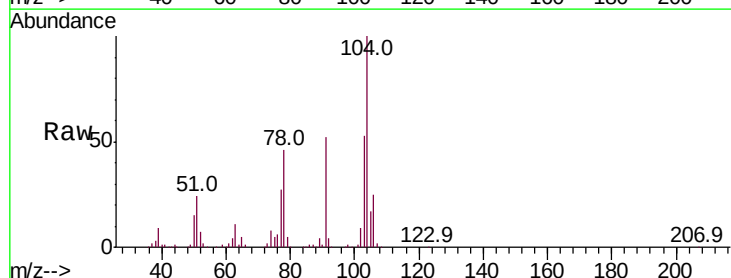
Manual Integrations
APPROVED

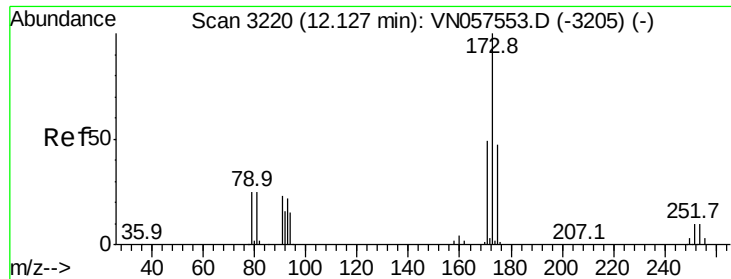
MMDadoda
9/5/2019 11:35:09 AM



#70
Styrene
Concen: 19.529 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	312664		
78	52.0	44.7	67.1	
103	56.8	44.4	66.6	





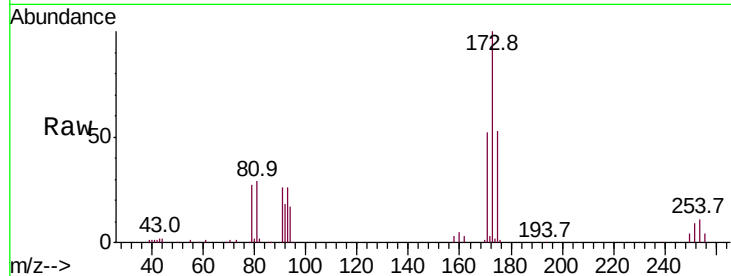
#71
Bromoform
Concen: 17.783 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.9	71.8
254	0.0	0.1	0.1#

Manual Integrations
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9/5/2019 11:35:09 AM

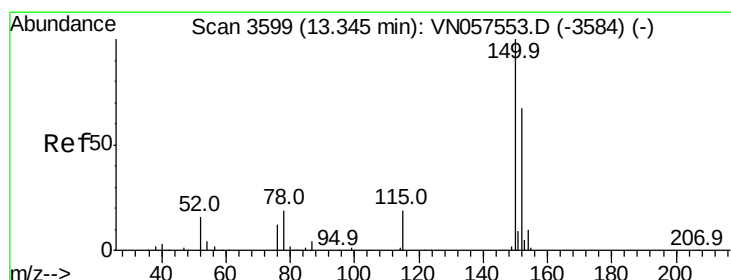
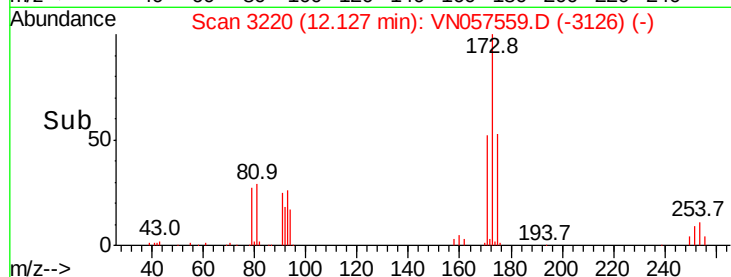
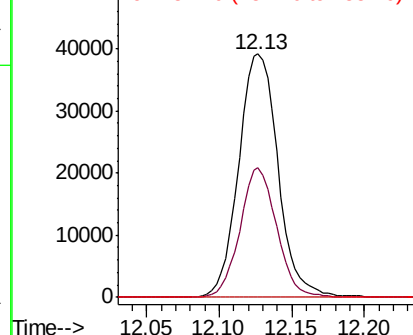


Abundance

Ion 172.70 (172.40 to 173.40): V

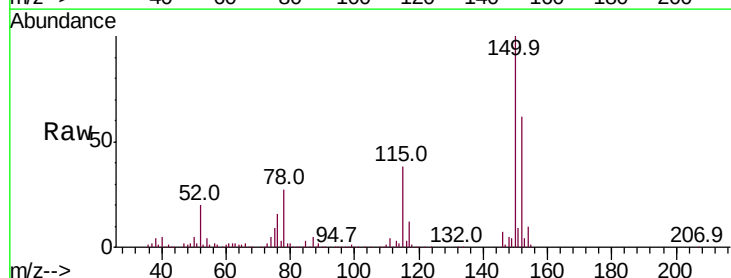
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	32.0	96.0
150	165.3	0.0	346.6

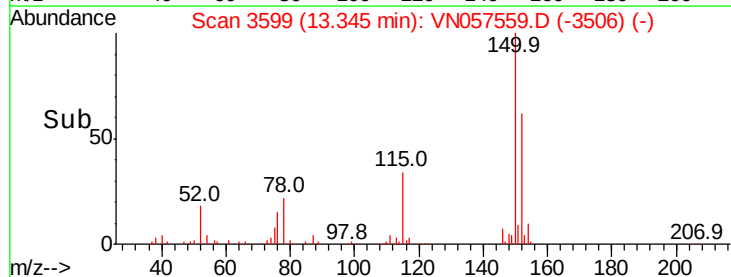
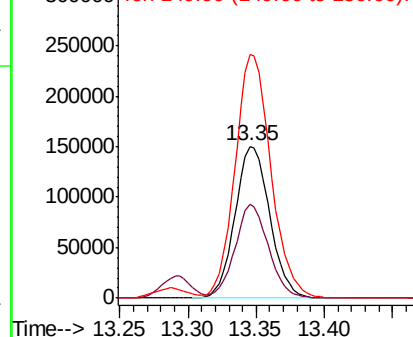


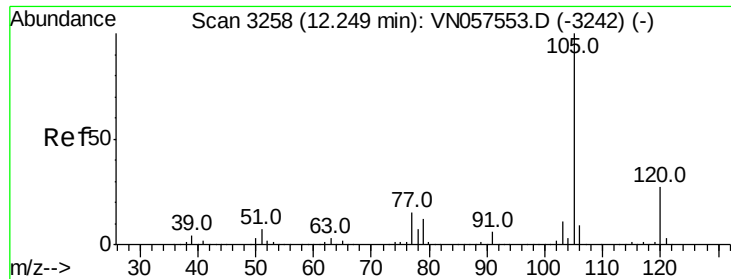
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.309 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion:105 Resp: 544417

Ion Ratio Lower Upper

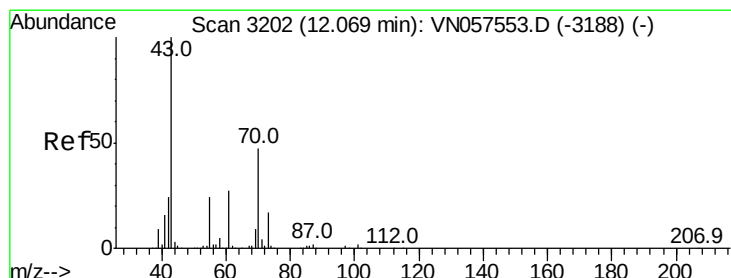
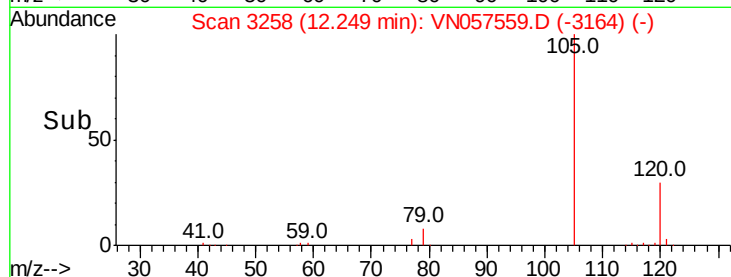
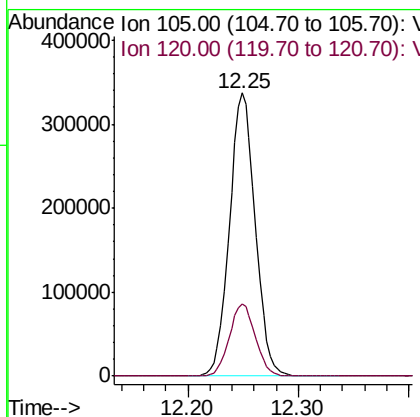
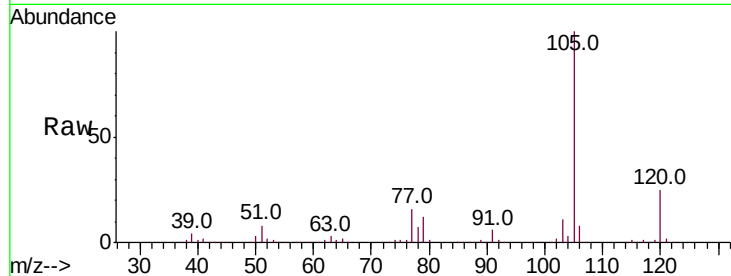
105 100

120 25.8 12.7 38.0

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.516 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion: 43 Resp: 139124

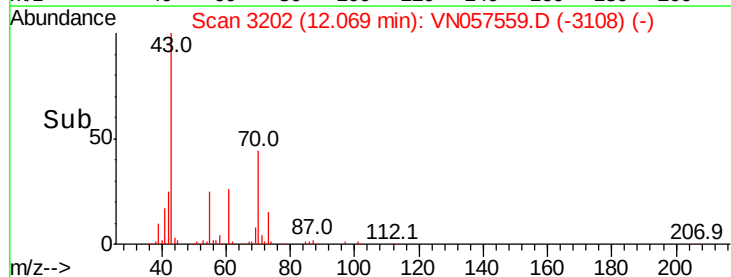
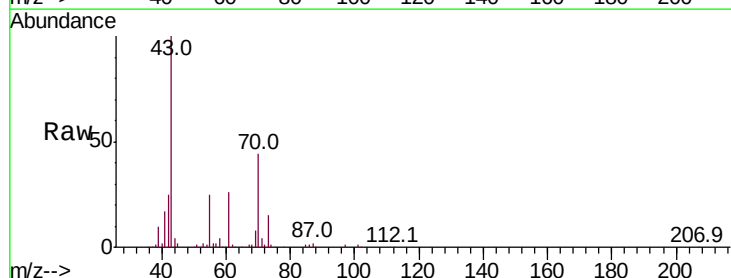
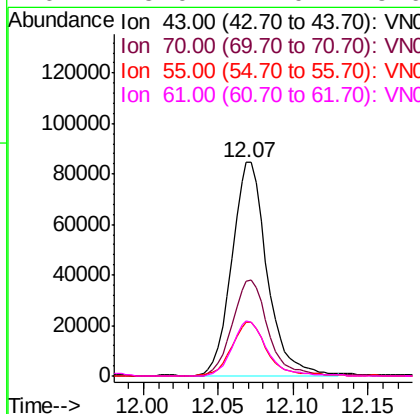
Ion Ratio Lower Upper

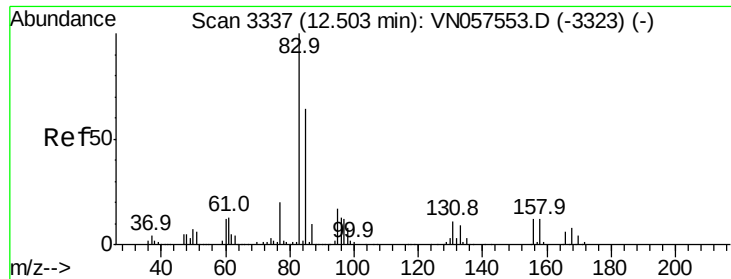
43 100

70 45.5 27.8 41.6#

55 25.5 17.0 25.4#

61 25.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.645 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

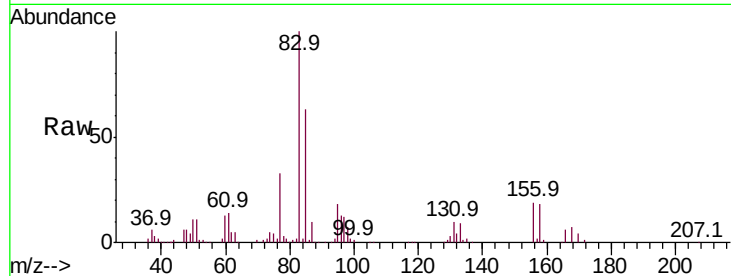
ClientSampled :

VN0829WBS01

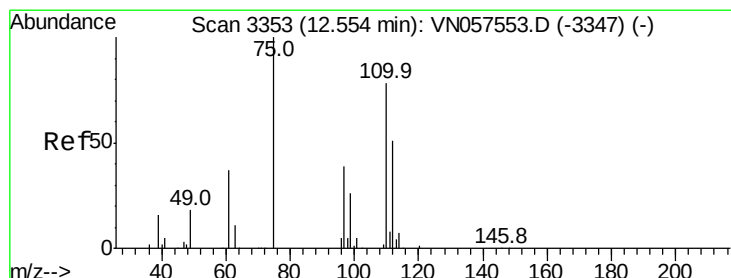
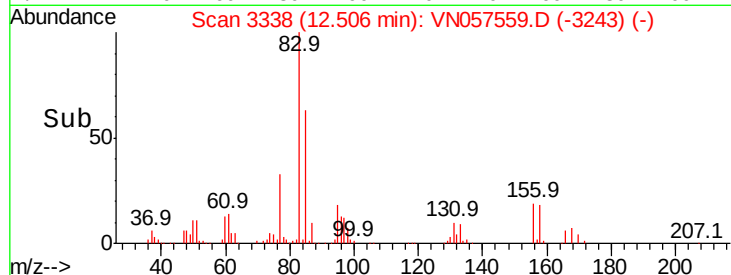
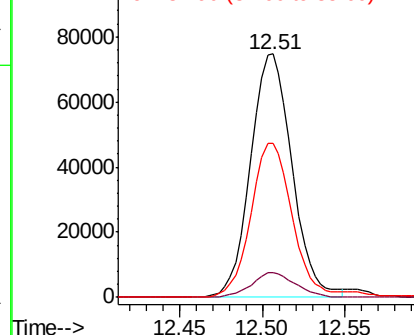
Tot Ion:	83	Resp:	130711
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.3	13.1
85	62.5	32.3	96.8

Manual Integrations
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9/5/2019 11:35:09 AM



Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 18.938 ug/l m

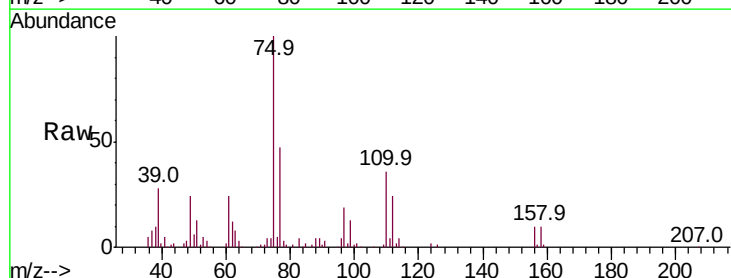
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

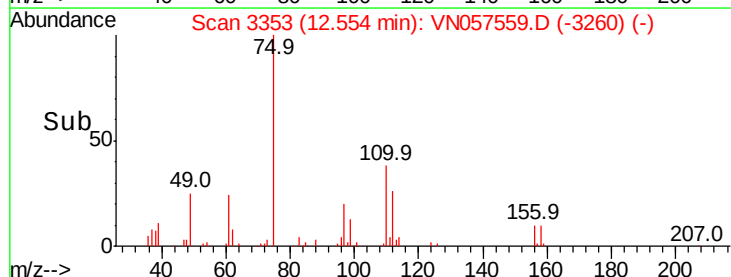
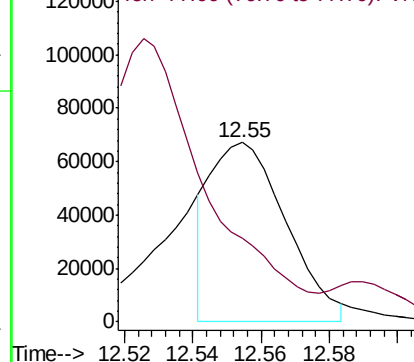
Lab File: VN057559.D

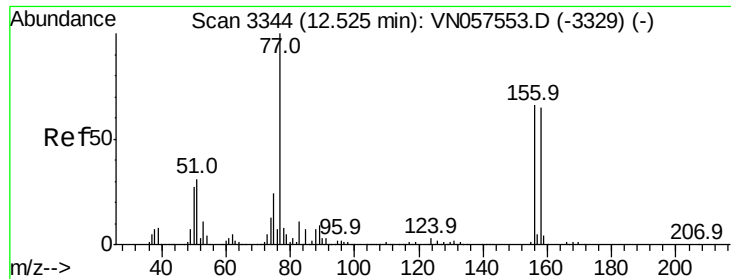
Acq: 29 Aug 2019 19:36

Tgt Ion:	75	Resp:	102661
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3347) (-)





#77

Bromobenzene

Concen: 18.789 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

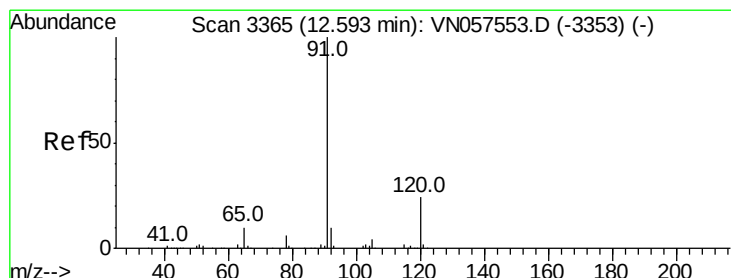
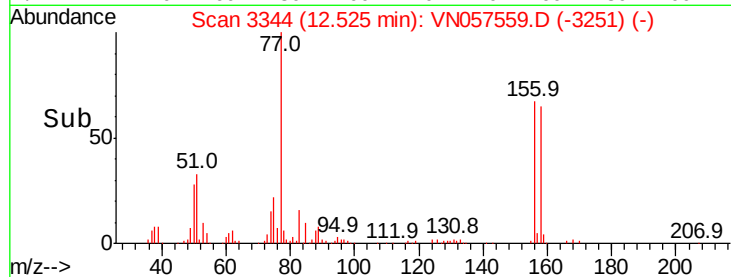
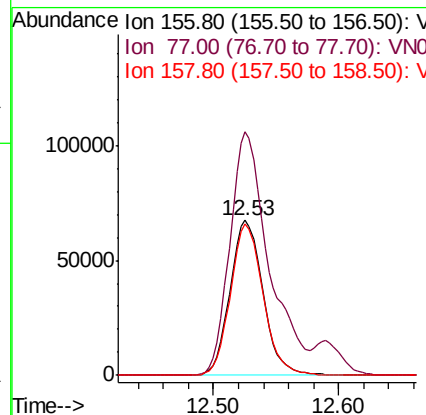
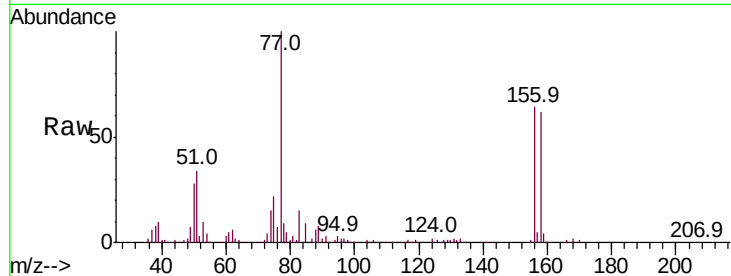
ClientSampled :

VN0829WBS01

Tot Ion:	156	Resp:	123291
Ion Ratio	Lower	Upper	
156	100		
77	186.0	124.4	373.3
158	96.6	48.3	144.8

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#78

n-propylbenzene

Concen: 19.571 ug/l

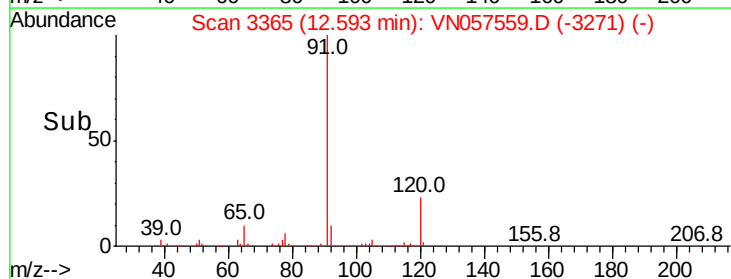
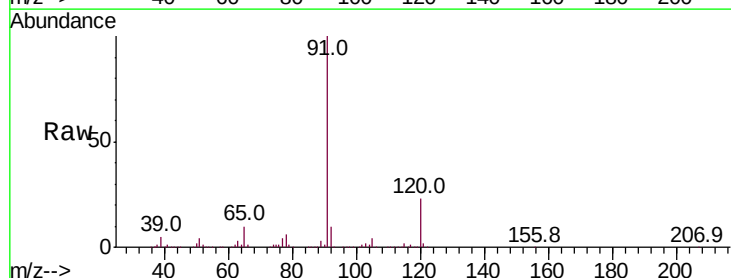
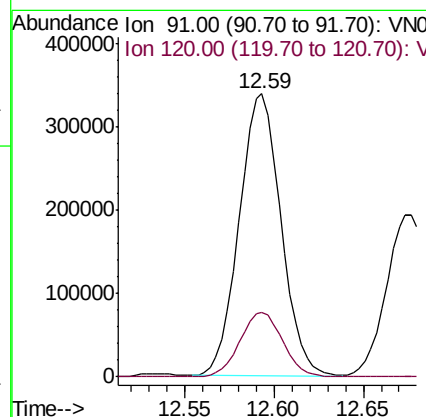
RT: 12.59 min Scan# 3365

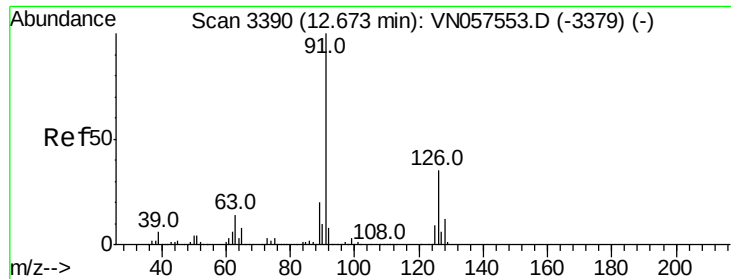
Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion:	91	Resp:	550318
Ion Ratio	Lower	Upper	
91	100		
120	23.5	10.7	32.1





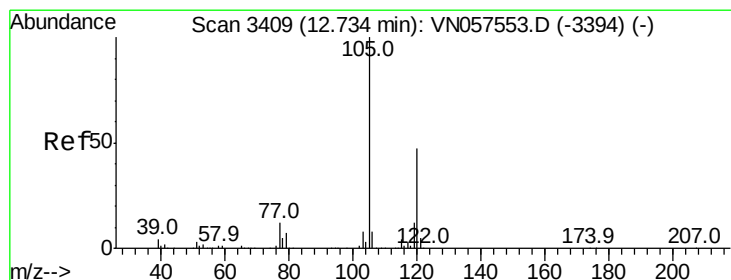
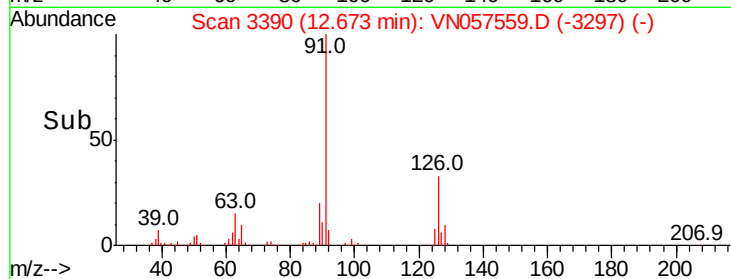
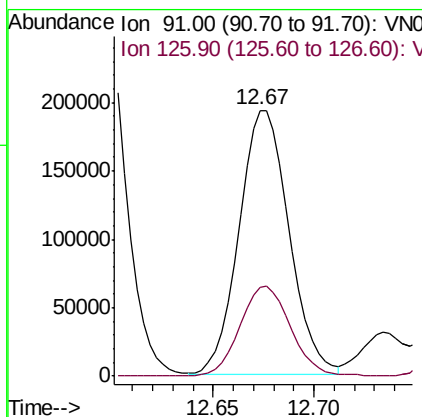
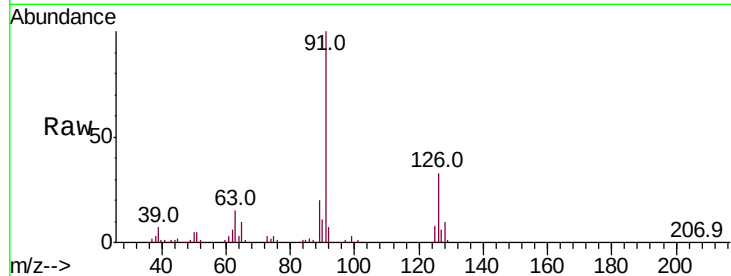
#79
2-Chlorotoluene
Concen: 19.186 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0829WBS01

Tot Ion: 91 Resp: 336046
Ion Ratio Lower Upper
91 100
126 34.4 15.3 45.8

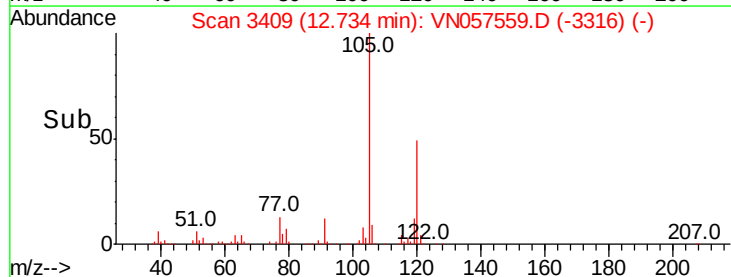
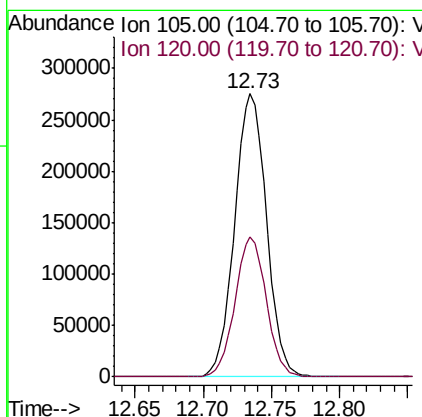
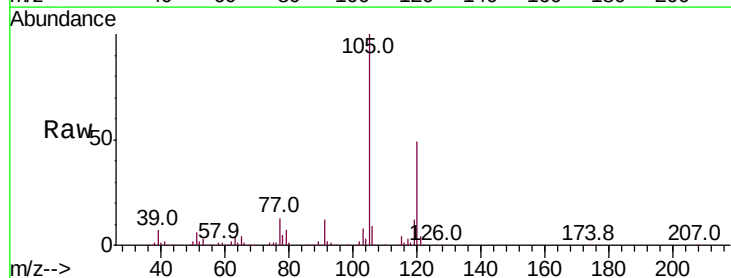
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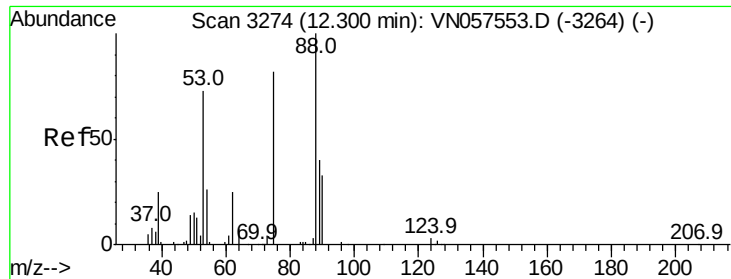
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#80
1,3,5-Trimethylbenzene
Concen: 20.040 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN057559.D
Acq: 29 Aug 2019 19:36

Tgt Ion: 105 Resp: 446377
Ion Ratio Lower Upper
105 100
120 48.4 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.321 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0829WBS01

Tot Ion: 75 Resp: 34178

Ion Ratio Lower Upper

75 100

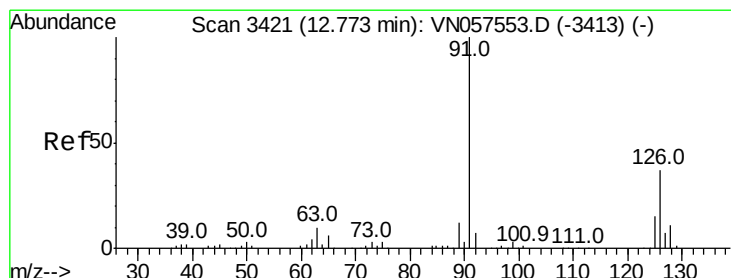
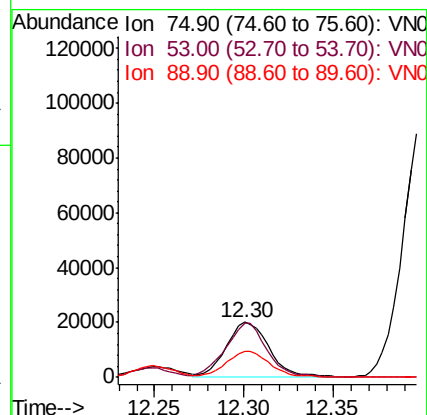
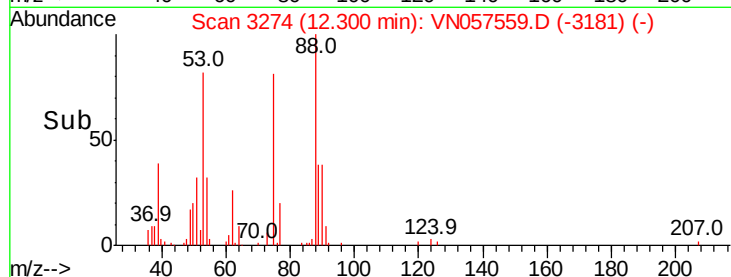
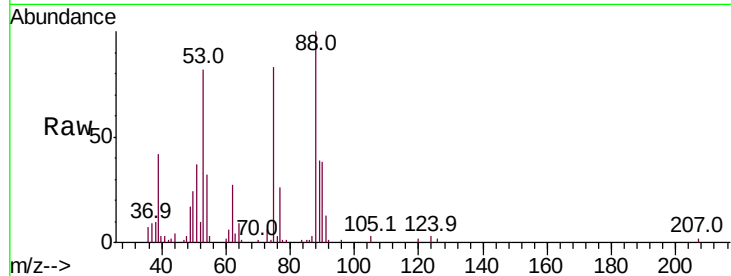
53 94.8 82.7 124.1

89 47.8 35.8 53.8

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#82

4-Chlorotoluene

Concen: 19.233 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057559.D

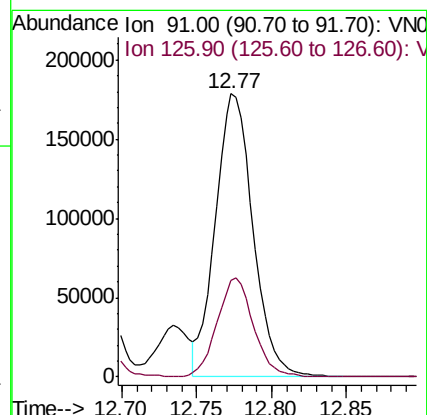
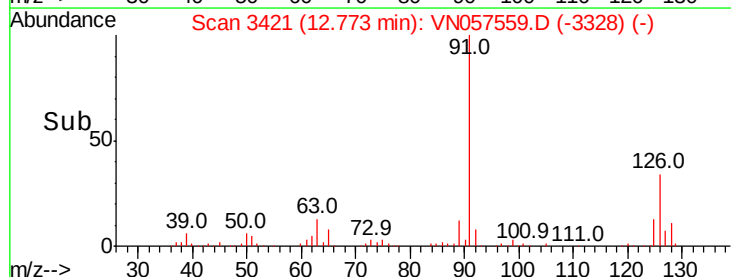
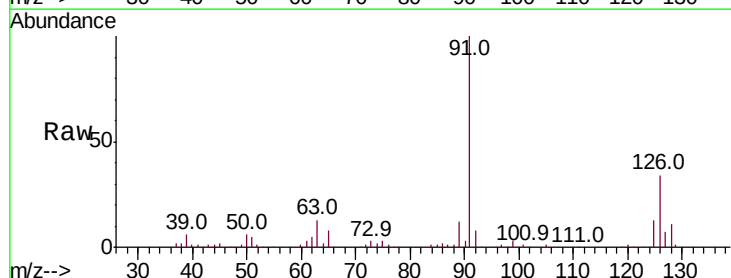
Acq: 29 Aug 2019 19:36

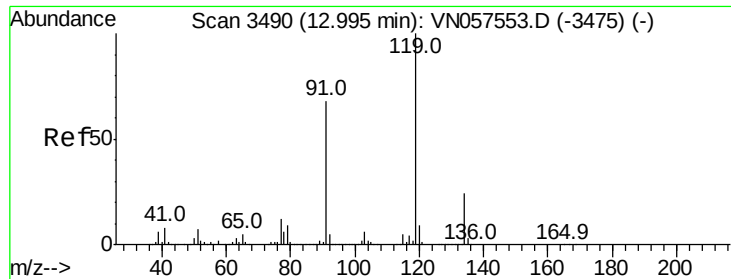
Tgt Ion: 91 Resp: 312552

Ion Ratio Lower Upper

91 100

126 33.8 15.0 45.0





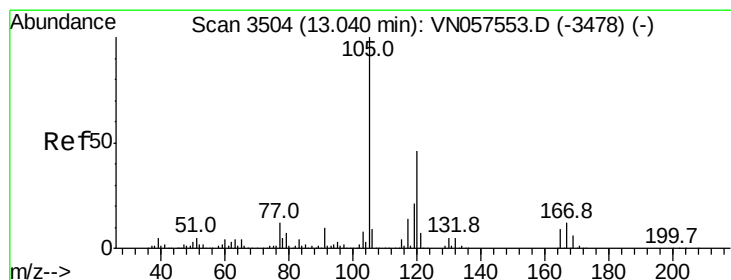
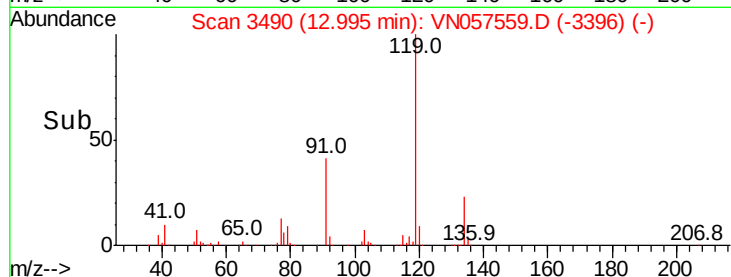
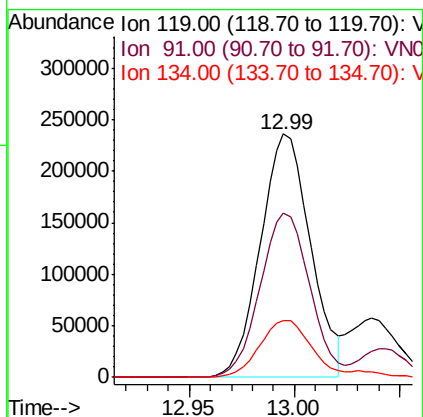
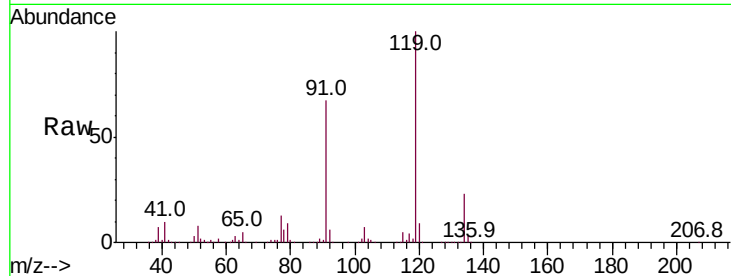
#83
 tert-Butylbenzene
 Concen: 21.073 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	37.0	111.0
134	25.7	12.2	36.6

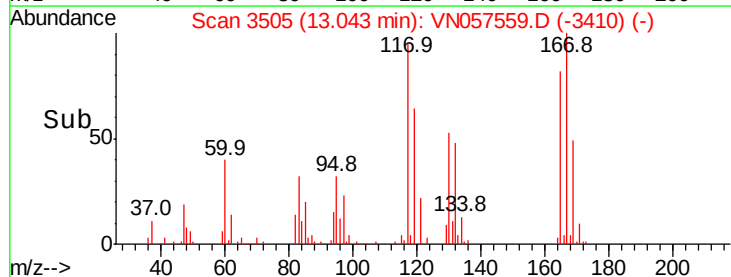
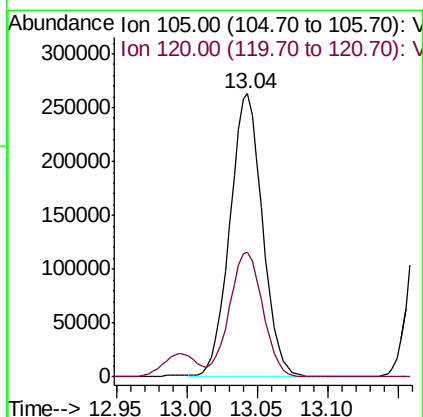
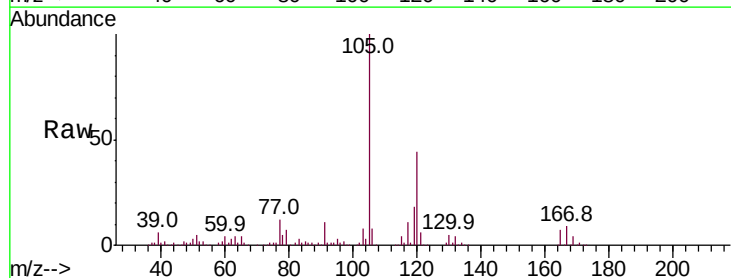
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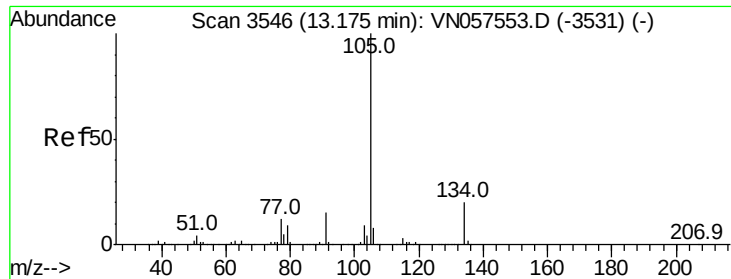
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.873 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 20.185 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0829WBS01

Tot Ion:105 Resp: 494196

Ion Ratio Lower Upper

105 100

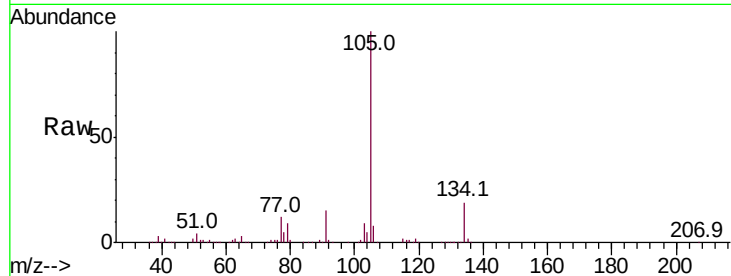
134 19.8 9.3 27.9

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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

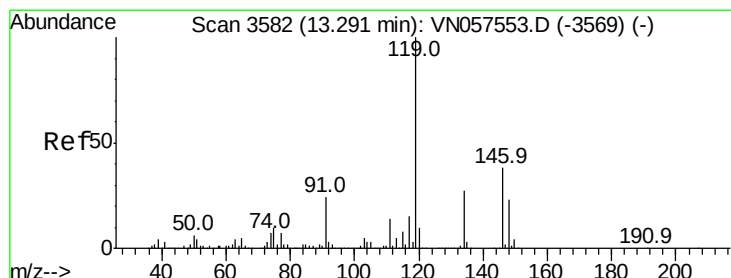
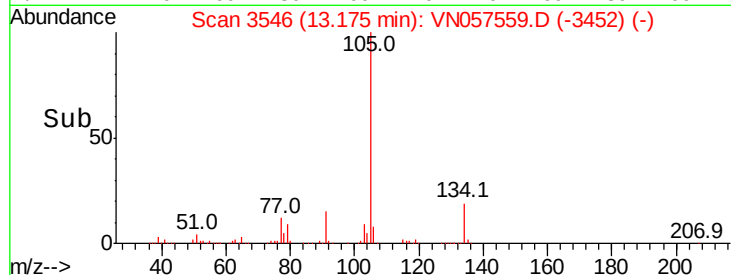
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.466 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

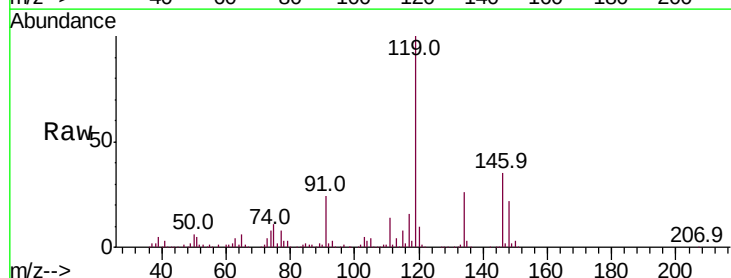
Tgt Ion:119 Resp: 430680

Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.5 13.9 41.6



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

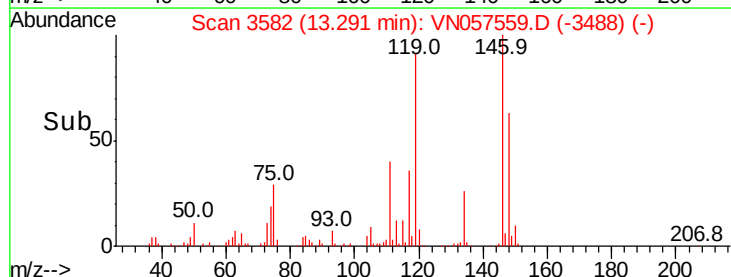
300000

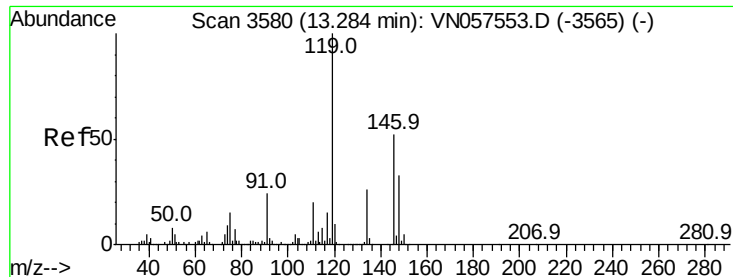
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.067 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057559.D

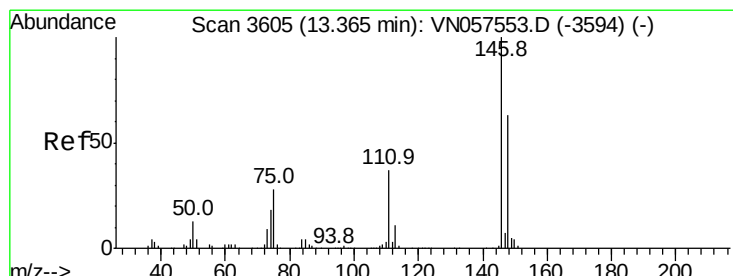
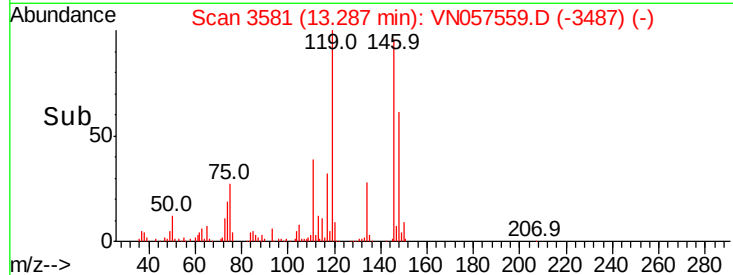
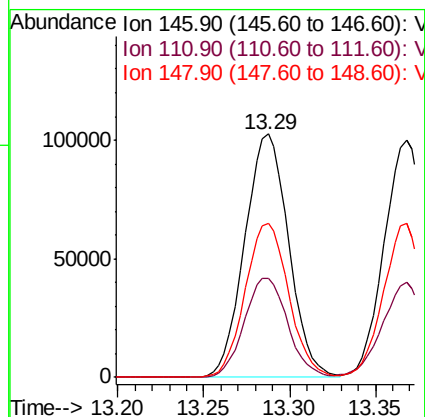
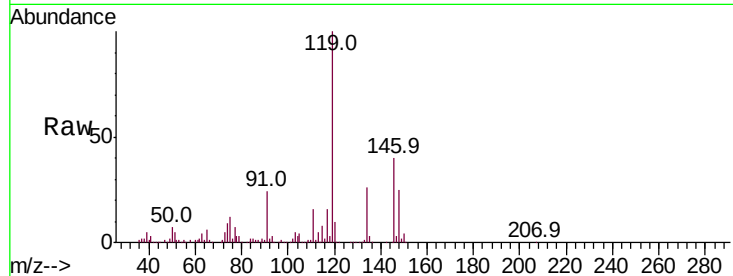
Acq: 29 Aug 2019 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0829WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	181707		
111	40.5	22.1	66.1	
148	62.8	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 19.371 ug/l

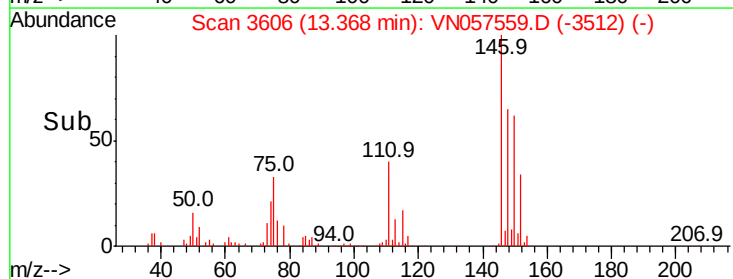
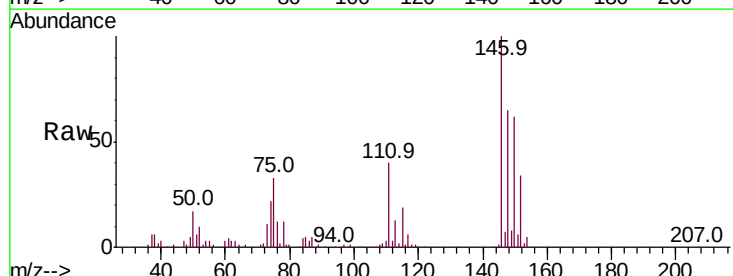
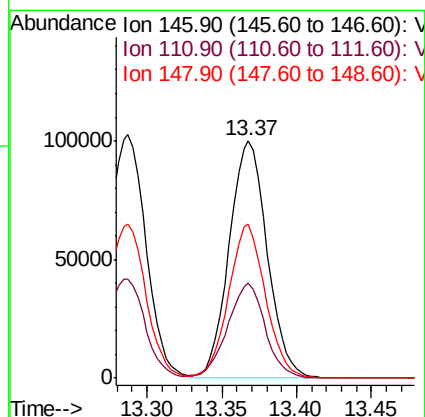
RT: 13.37 min Scan# 3606

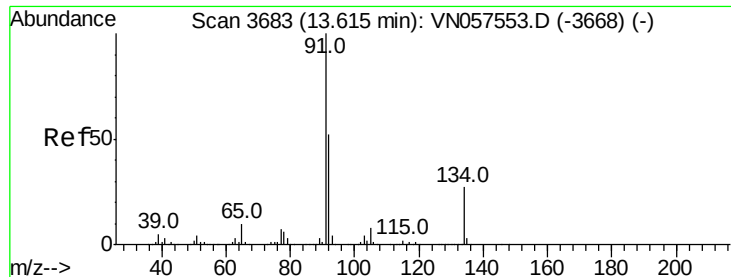
Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	177029		
111	39.9	21.9	65.5	
148	63.0	31.1	93.2	





#89

n-Butylbenzene

Concen: 20.383 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

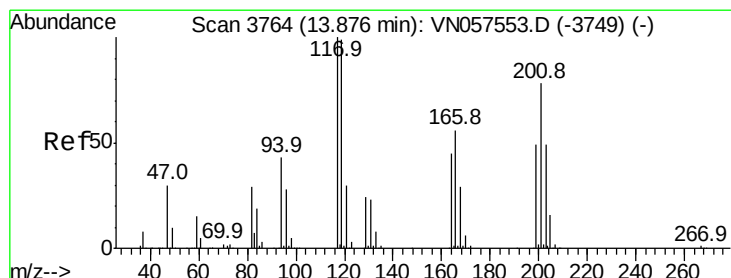
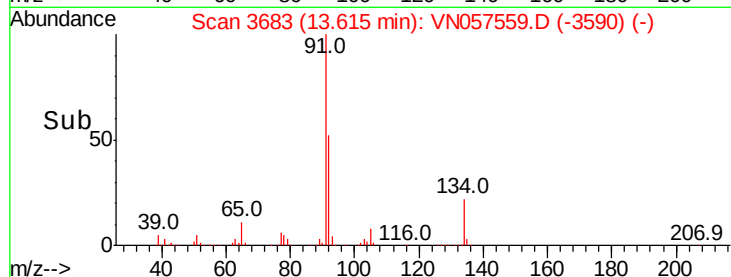
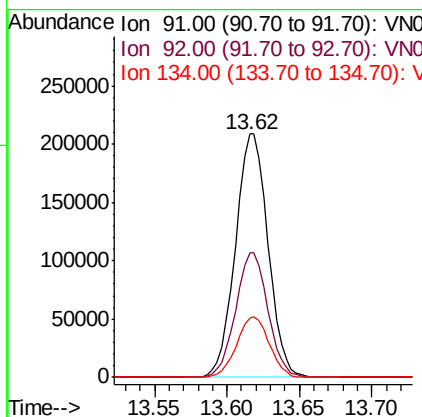
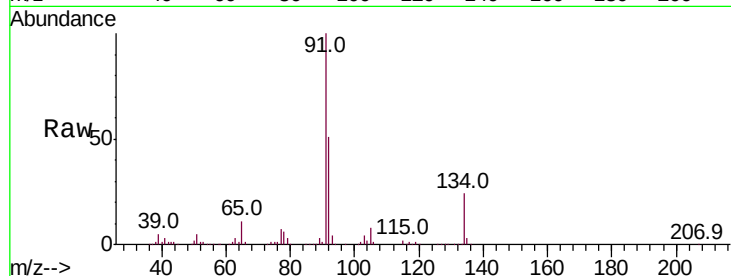
ClientSampled :

VN0829WBS01

Tot Ion:	91	Resp:	324924
Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	25.0	11.4	34.1

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#90

Hexachloroethane

Concen: 17.942 ug/l

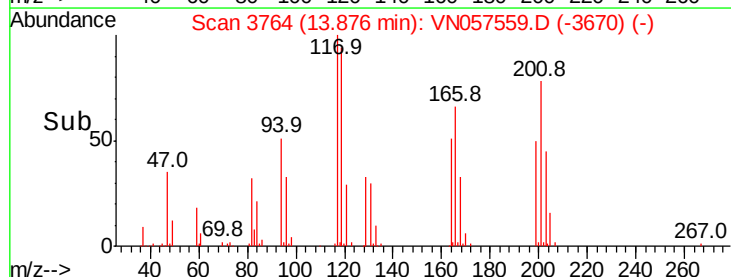
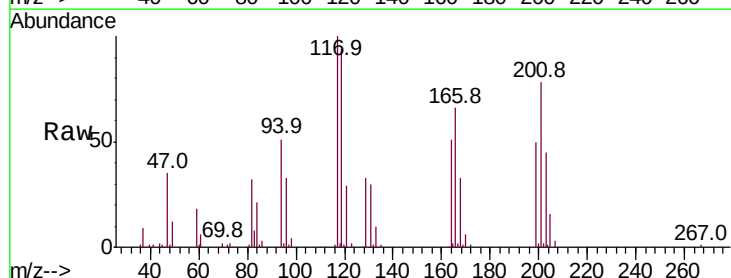
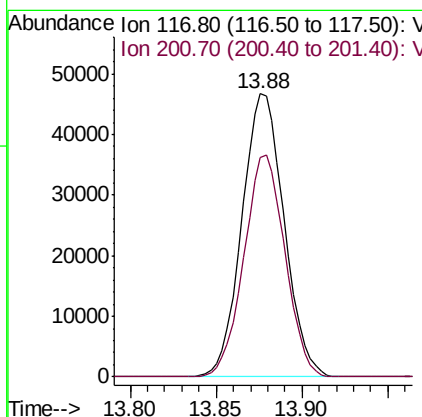
RT: 13.88 min Scan# 3764

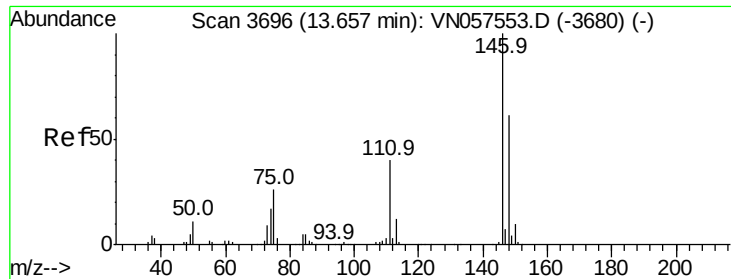
Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion:	117	Resp:	79453
Ion	Ratio	Lower	Upper
117	100		
201	76.2	33.1	99.3





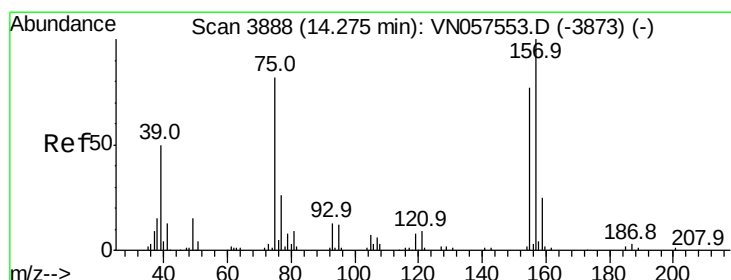
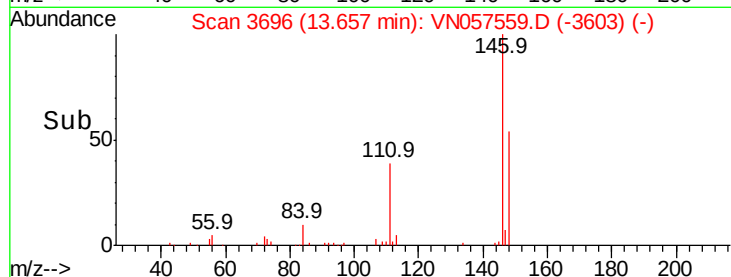
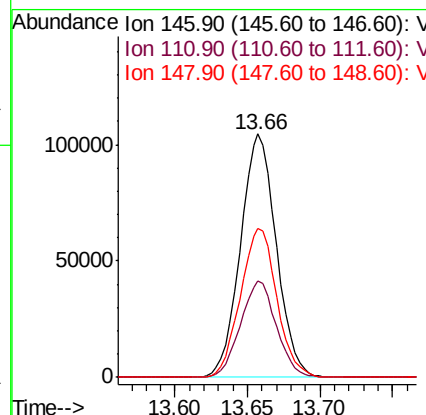
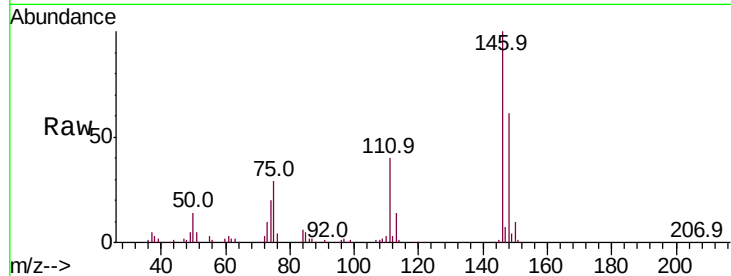
#91
 1,2-Dichlorobenzene
 Concen: 20.119 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	23.1	69.2
148	62.2	31.8	95.4

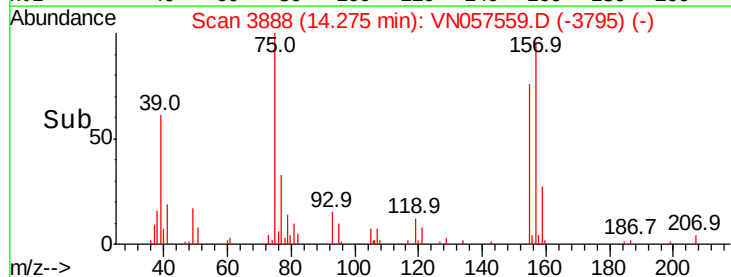
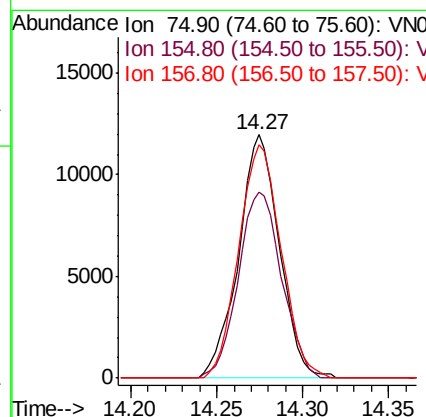
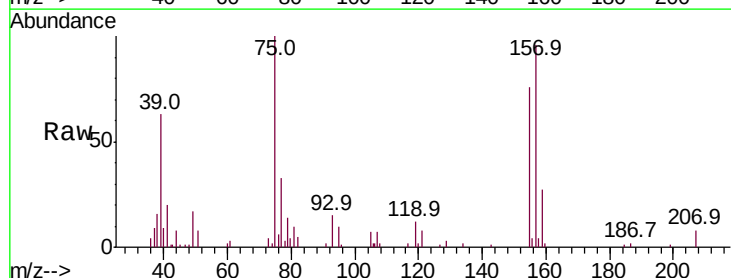
Manual Integrations
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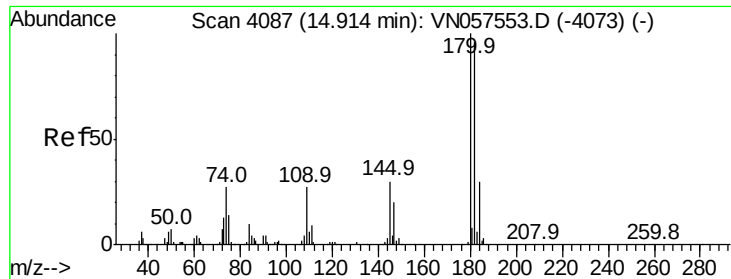
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.726 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.1	31.6	94.7
157	99.5	43.3	129.8





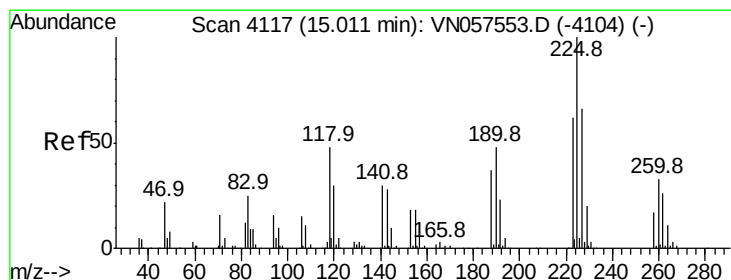
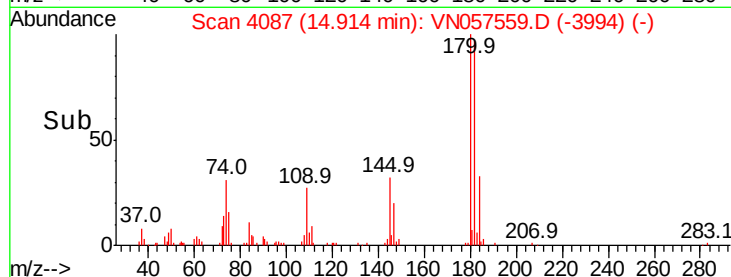
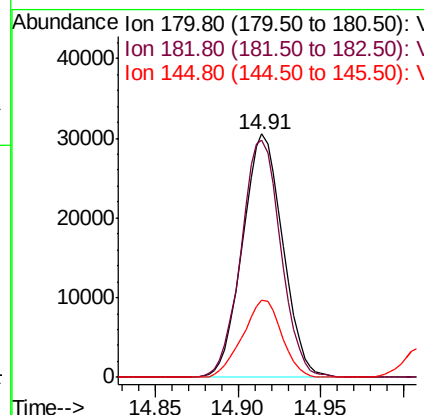
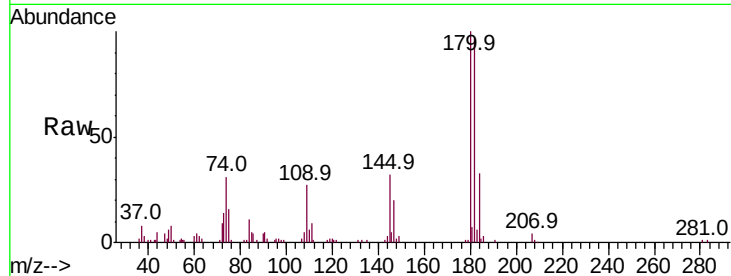
#93
 1,2,4-Trichlorobenzene
 Concen: 16.684 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0829WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.7	140.1
145	30.7	15.6	46.8

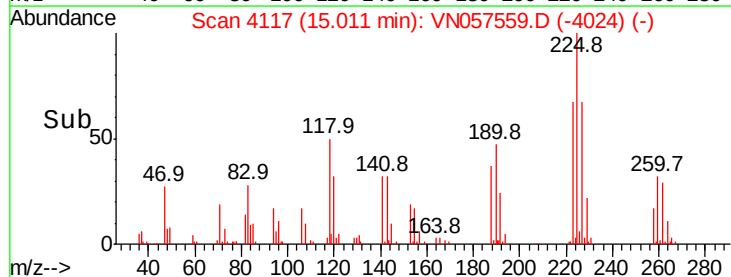
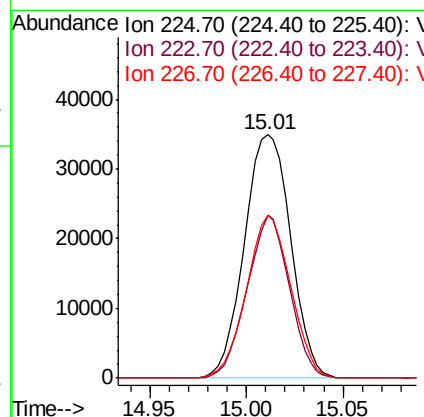
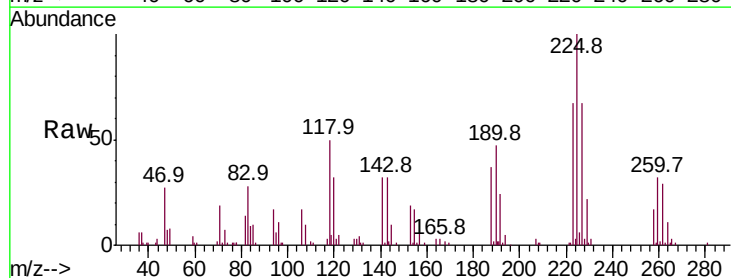
Manual Integrations
 APPROVED

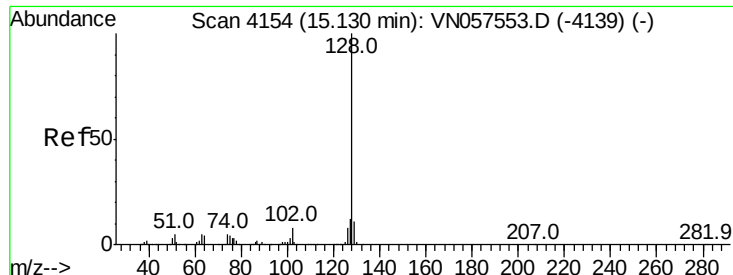
MMDadoda
 9/5/2019 11:35:09 AM



#94
 Hexachlorobutadiene
 Concen: 19.870 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057559.D
 Acq: 29 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	32.0	96.2
227	63.8	31.5	94.5





#95

Naphthalene

Concen: 16.991 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Instrument :

MSVOA_N

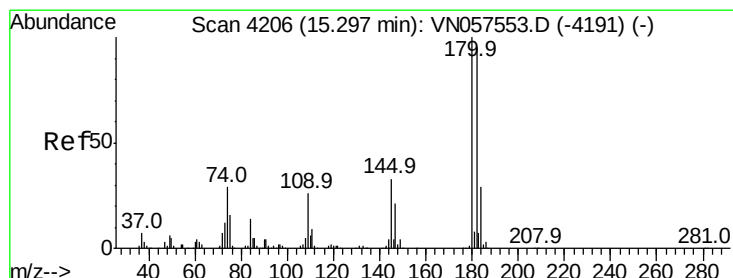
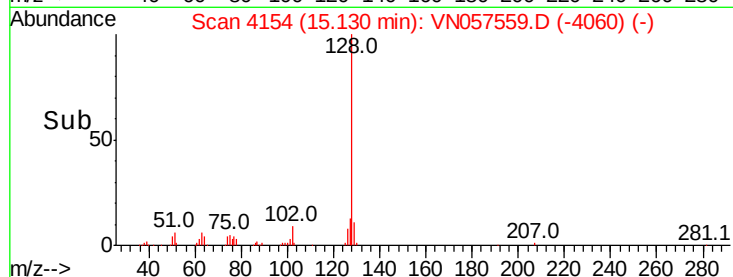
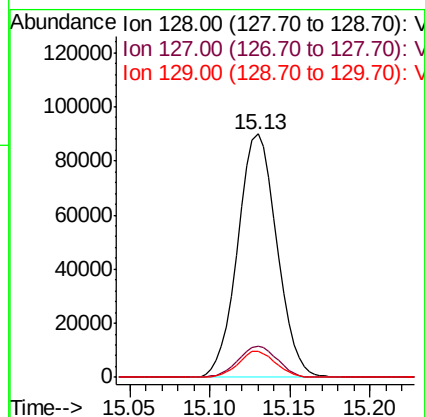
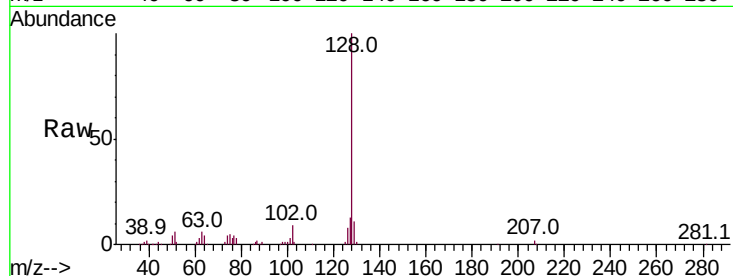
ClientSampleId :

VN0829WBS01

Tot Ion:	128	Resp:	149537
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.3	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/5/2019 11:35:09 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.760 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057559.D

Acq: 29 Aug 2019 19:36

Tgt Ion:	180	Resp:	50380
Ion Ratio	Lower	Upper	
180	100		
182	93.5	46.7	140.1
145	34.3	16.8	50.3

