

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058953.D
 Acq On : 24 Oct 2019 12:16
 Operator : JC/SP
 Sample : VN1025WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1025WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 2:36:47 PM

Quant Time: Oct 25 01:54:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	57338	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	308685	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	288278	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	152405	31.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.40%
60) 4-Bromofluorobenzene	12.40	95	147972	29.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.80%
63) Toluene-d8	10.08	98	420328	30.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.93%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	67738	21.804 ug/l	99
3) Chloromethane	2.04	50	89312	21.522 ug/l	98
4) Vinyl Chloride	2.17	62	93137	21.715 ug/l	98
5) Bromomethane	2.55	94	53493	20.201 ug/l	98
6) Chloroethane	2.69	64	62735	23.270 ug/l	98
7) Trichlorofluoromethane	3.00	101	119703	22.675 ug/l	98
8) Diethyl Ether	3.39	74	43232	21.472 ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67364	22.054 ug/l	98
10) 1,1-Dichloroethene	3.72	96	63458	21.152 ug/l	95
11) Methyl Iodide	3.93	142	69437	16.619 ug/l	99
12) Methyl Acetate	4.30	43	102057	21.262 ug/l	98
13) Acrolein	3.58	56	42783	80.670 ug/l	95
14) Acrylonitrile	4.96	53	202221	106.924 ug/l	97
15) Acetone	3.79	58	65377	116.454 ug/l	99
16) Carbon Disulfide	4.03	76	184889	21.130 ug/l	100
17) Allyl chloride	4.30	41	127088m	21.284 ug/l	
18) Methylene Chloride	4.53	84	79331	21.837 ug/l	98
19) trans-1,2-Dichloroethene	5.02	96	70453	21.572 ug/l	95
20) Diisopropyl ether	5.93	45	267218	21.965 ug/l	97
21) 1,1-Dichloroethane	5.82	63	149572	22.202 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	81538	20.939 ug/l	97
23) tert-Butyl Alcohol	4.75	59	75613	97.745 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	226765	20.261 ug/l	97
25) Chloroform	7.35	83	144775	21.548 ug/l	100
26) Cyclohexane	7.63	56	118372	20.019 ug/l	# 97
29) 1,1-Dichloropropene	7.78	75	104217	21.447 ug/l	99
30) 2-Butanone	6.81	43	292492	106.519 ug/l	99
31) 2,2-Dichloropropane	6.80	77	128085	22.364 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	126407	22.492 ug/l	99
33) Carbon Tetrachloride	7.76	117	109101	22.428 ug/l	97
34) Benzene	8.02	78	315809	22.076 ug/l	98
35) Methacrylonitrile	7.16	41	50697m	20.900 ug/l	
36) 1,2-Dichloroethane	8.11	62	124810	22.819 ug/l	100
37) Trichloroethene	8.82	130	74888	21.309 ug/l	100
38) Methylcyclohexane	9.07	83	111724	19.831 ug/l	97
39) 1,2-Dichloropropane	9.11	63	87640	22.417 ug/l	98
40) Dibromomethane	9.20	93	54743	22.182 ug/l	99

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Manual Integrations
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Quant Time: Oct 25 01:54:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	115742	22.956	ug/l	97
42) Vinyl Acetate	5.87	43	1091786	113.529	ug/l	99
43) Ethyl Acetate	6.91	43	116334	21.585	ug/l	99
44) Isopropyl Acetate	8.15	43	184077	21.086	ug/l	98
45) 1,4-Dioxane	9.19	88	26839	400.373	ug/l	98
46) Methyl methacrylate	9.19	41	81829	20.418	ug/l	95
47) n-amyl Acetate	12.07	43	146507	18.931	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	124089	21.221	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	132124	21.518	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	77905	22.112	ug/l	97
51) Ethyl methacrylate	10.43	69	111639	19.817	ug/l	97
52) 1,3-Dichloropropane	10.70	76	135172	21.544	ug/l	98
53) Dibromochloromethane	10.90	129	82033	21.696	ug/l	100
54) 1,2-Dibromoethane	11.00	107	79442	21.754	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	265853	94.869	ug/l	100
56) Bromoform	12.13	173	58326	22.144	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	579377	110.170	ug/l	99
59) 2-Hexanone	10.75	43	425740	103.263	ug/l	99
61) Tetrachloroethene	10.63	164	68569	22.011	ug/l	98
62) Toluene	10.15	91	335445	21.632	ug/l	99
64) Chlorobenzene	11.43	112	201029	21.205	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	78304	22.027	ug/l	98
66) Ethyl Benzene	11.51	91	355442	20.701	ug/l	98
67) m/p-Xylenes	11.62	106	264694	41.262	ug/l	100
68) o-Xylene	11.95	106	125301	20.149	ug/l	99
69) Styrene	11.97	104	203543	19.812	ug/l	99
70) Isopropylbenzene	12.25	105	340383	20.273	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	119880	21.209	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	110209m	21.518	ug/l	
73) Bromobenzene	12.53	156	82784	20.299	ug/l	97
74) n-propylbenzene	12.59	91	411100	20.918	ug/l	99
75) 2-Chlorotoluene	12.68	91	245232	20.740	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	294301	20.465	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	37292	19.113	ug/l	100
78) 4-Chlorotoluene	12.78	91	249599	20.481	ug/l	100
79) tert-butylbenzene	13.00	119	246891	20.095	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	292601	20.477	ug/l	100
81) sec-Butylbenzene	13.17	105	331116	20.026	ug/l	100
82) p-Isopropyltoluene	13.29	119	295039	19.871	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	149718	20.288	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	141306	19.170	ug/l	99
85) n-Butylbenzene	13.62	91	252066	18.543	ug/l	98
86) Hexachloroethane	13.88	117	57736	21.367	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	146714	20.139	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24969	19.847	ug/l	93
89) 1,2,4-Trichlorobenzene	14.92	180	75147	16.336	ug/l	100
90) Hexachlorobutadiene	15.01	225	45716	19.246	ug/l	98
91) Naphthalene	15.13	128	205347	15.119	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	76158	17.008	ug/l	100

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Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Manual Integrations
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Quant Time: Oct 25 01:54:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

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

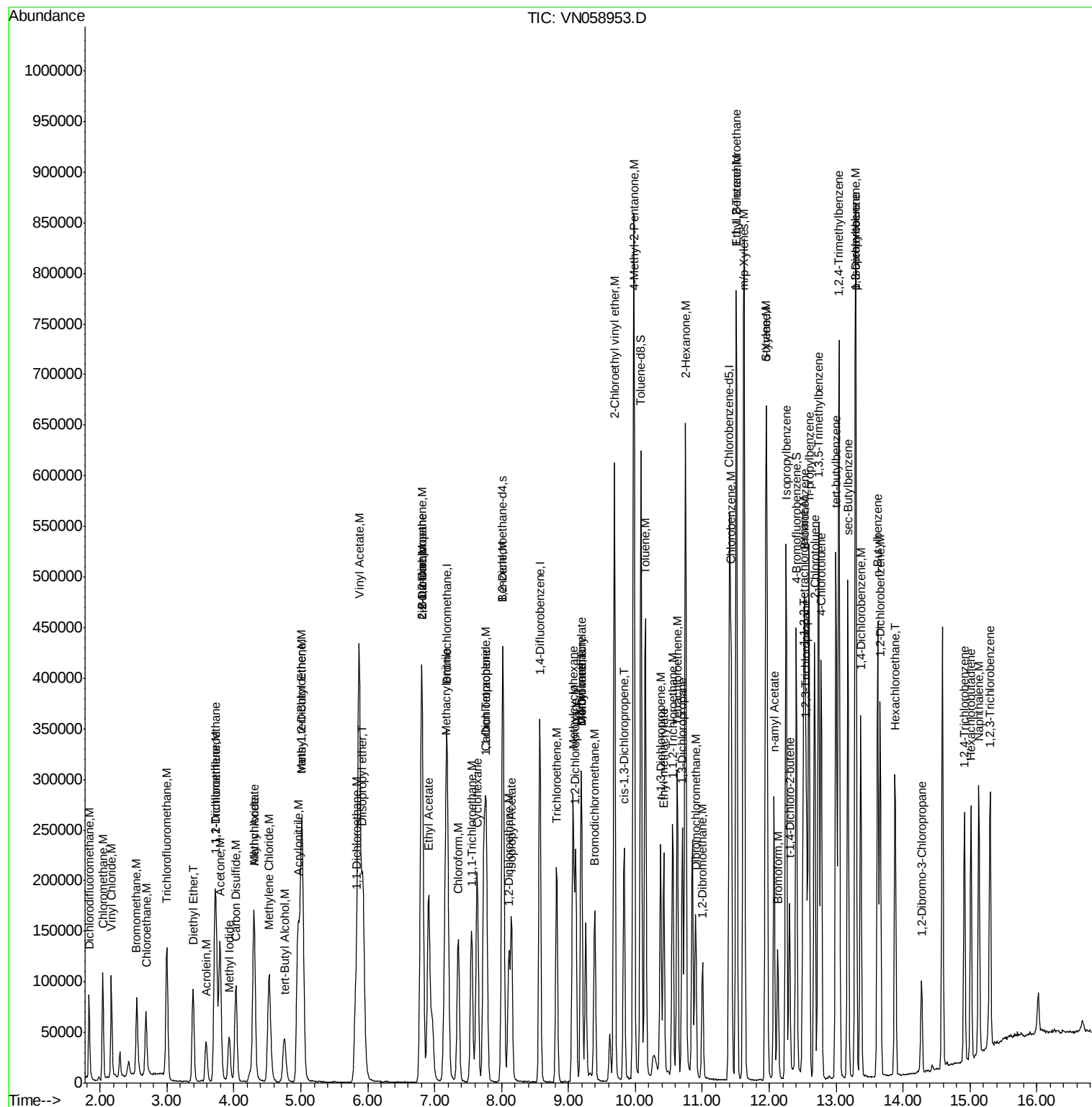
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102519\
 Data File : VN058953.D
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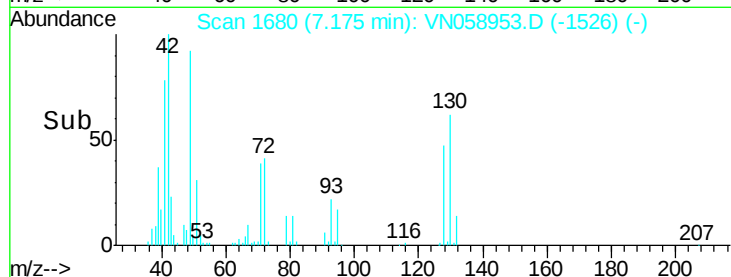
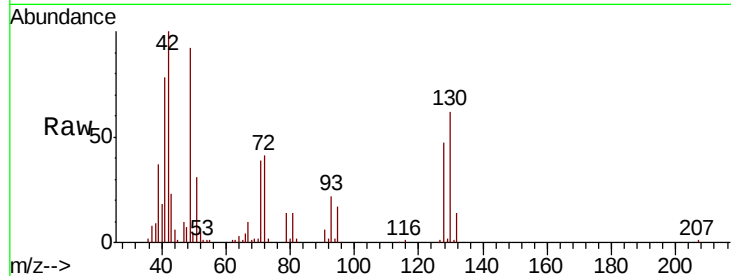
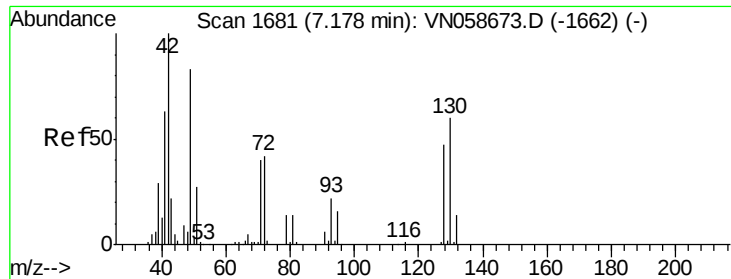
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Manual Integrations
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 10/25/2019 2:36:47 PM

Quant Time: Oct 25 01:54:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
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 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tot Ion:	128	Resp:	57338
Ion	Ratio	Lower	Upper
128	100		
49	196.5	0.0	453.5
130	130.1	0.0	314.2

Instrument :

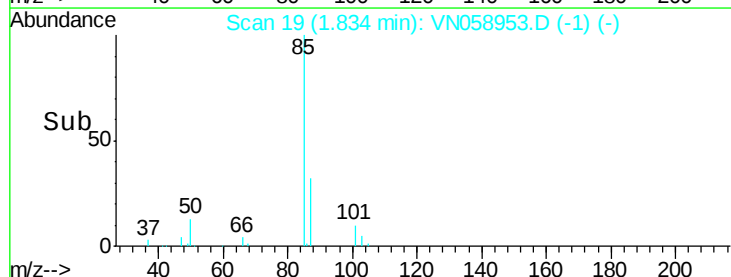
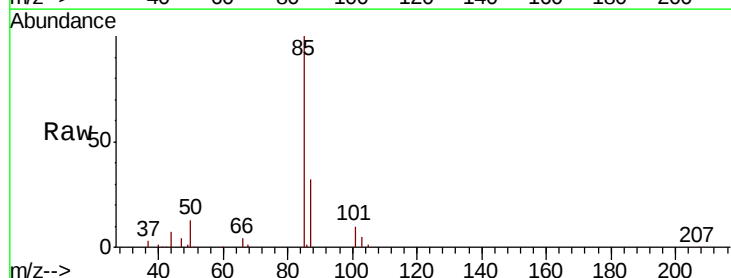
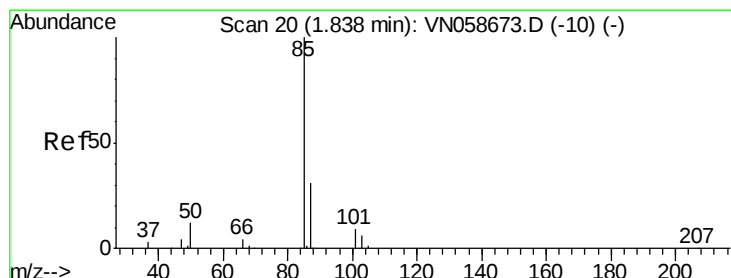
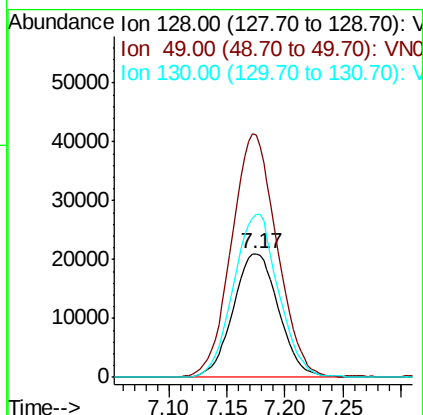
MSVOA_N

ClientSampleId :

VN1025WBS01

Manual Integrations
APPROVED

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#2

Dichlorodifluoromethane

Concen: 21.804 ug/l

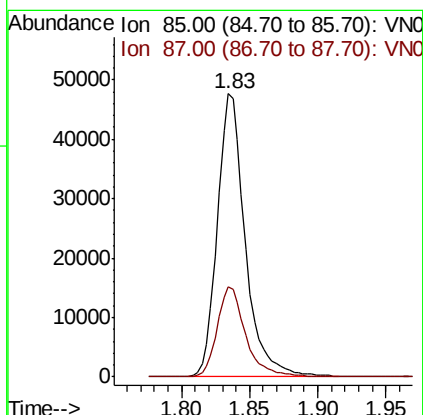
RT: 1.83 min Scan# 19

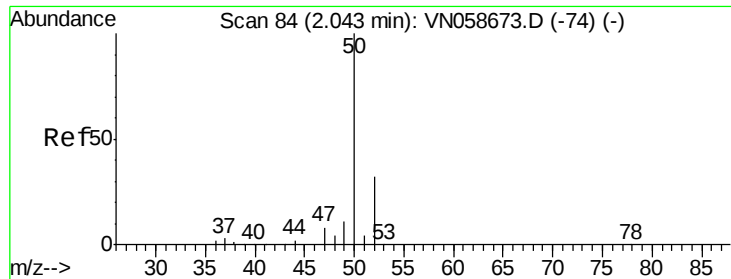
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	85	Resp:	67738
Ion	Ratio	Lower	Upper
85	100		
87	31.9	15.7	47.0





#3

Chloromethane

Concen: 21.522 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 50 Resp: 89312

Ion Ratio Lower Upper

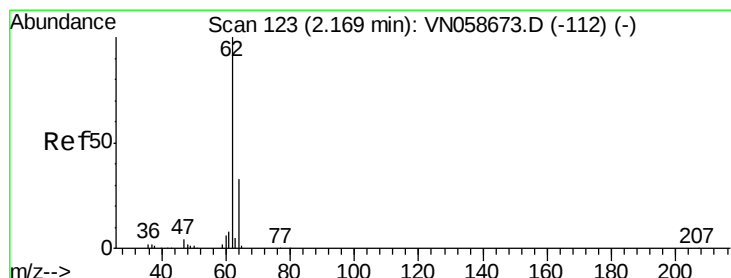
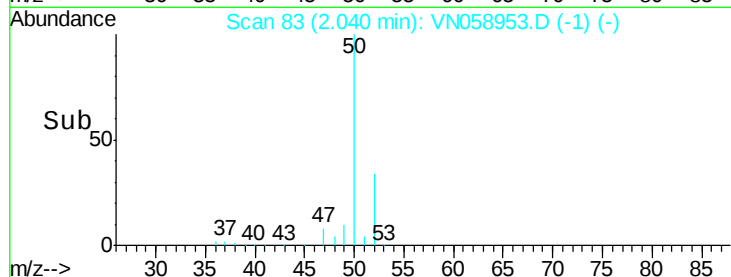
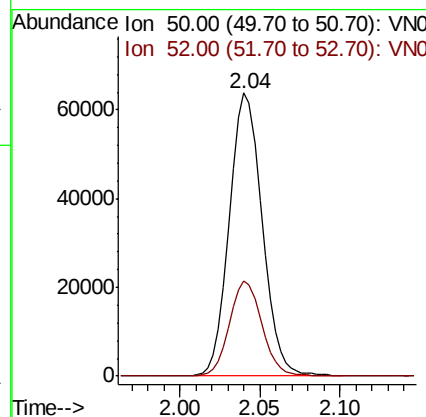
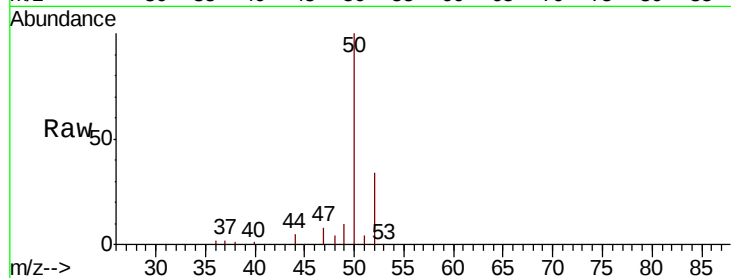
50 100

52 33.6 25.8 38.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.715 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058953.D

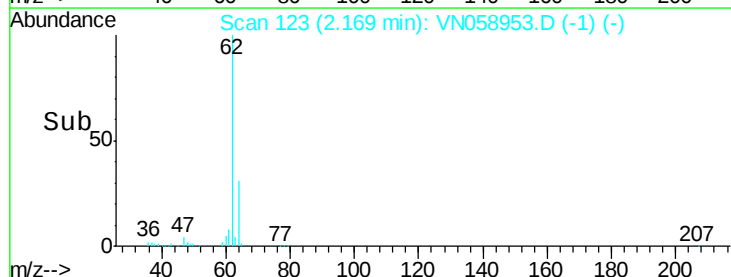
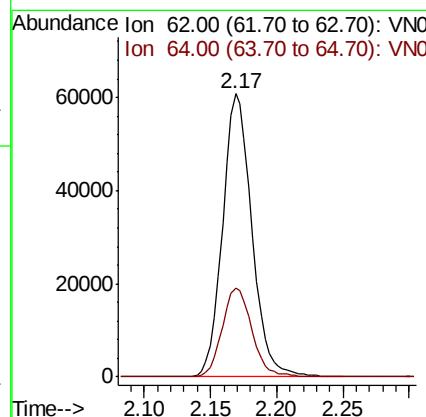
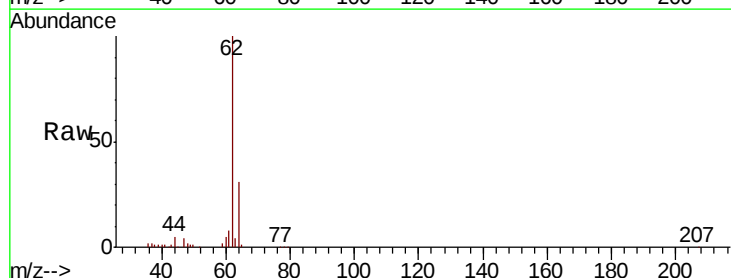
Acq: 24 Oct 2019 12:16

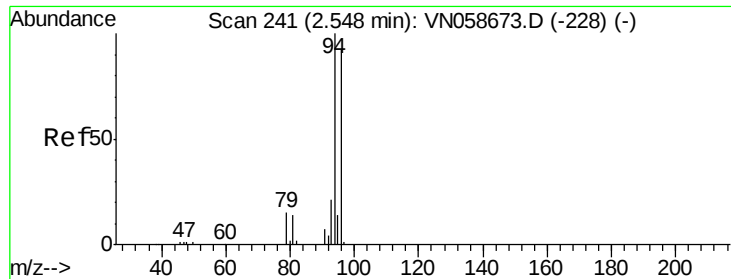
Tgt Ion: 62 Resp: 93137

Ion Ratio Lower Upper

62 100

64 31.4 26.1 39.1





#5

Bromomethane

Concen: 20.201 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 94 Resp: 53493

Ion Ratio Lower Upper

94 100

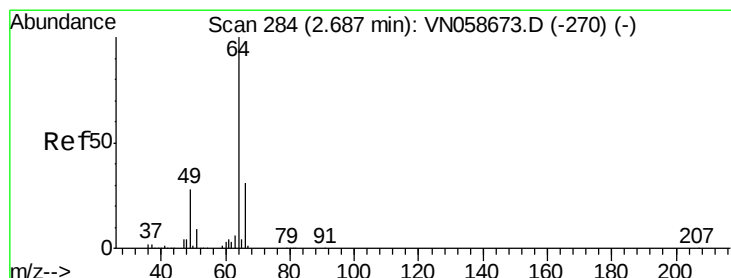
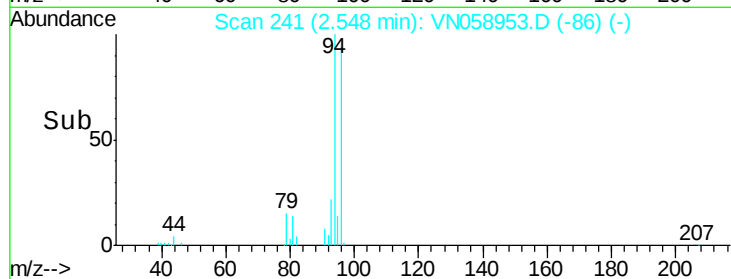
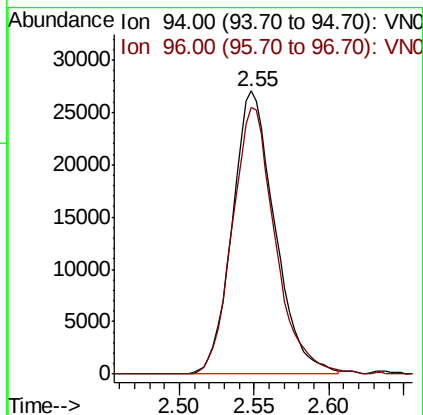
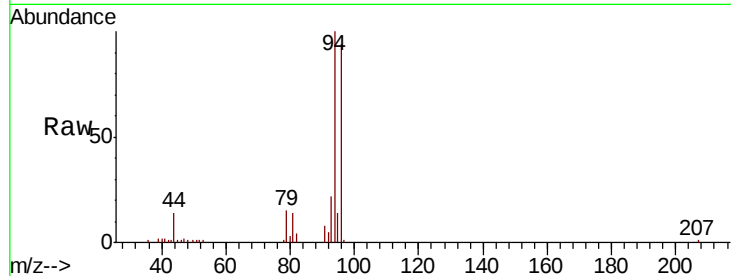
96 94.3 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 23.270 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058953.D

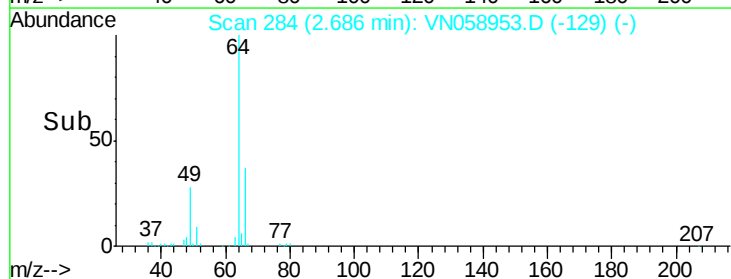
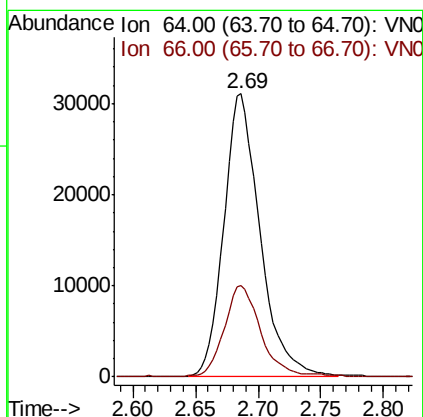
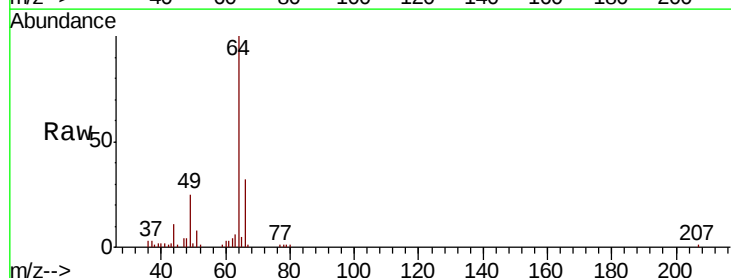
Acq: 24 Oct 2019 12:16

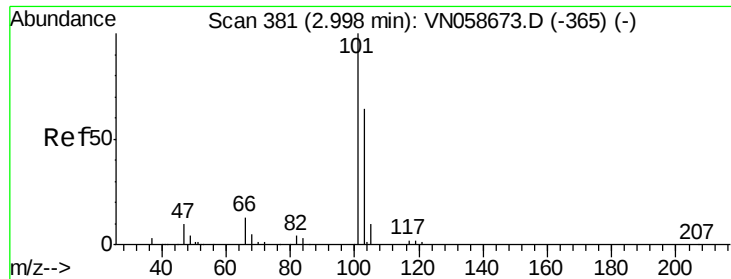
Tgt Ion: 64 Resp: 62735

Ion Ratio Lower Upper

64 100

66 32.0 24.6 36.8





#7

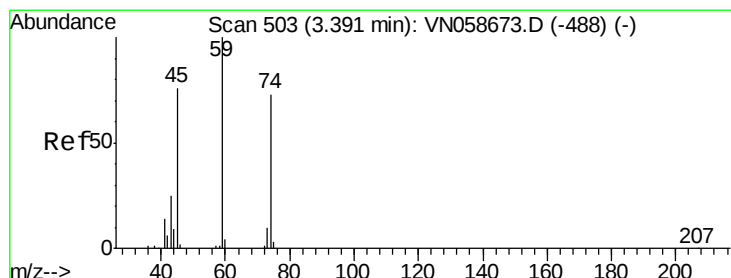
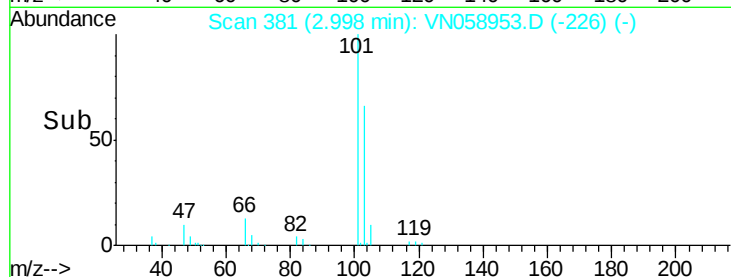
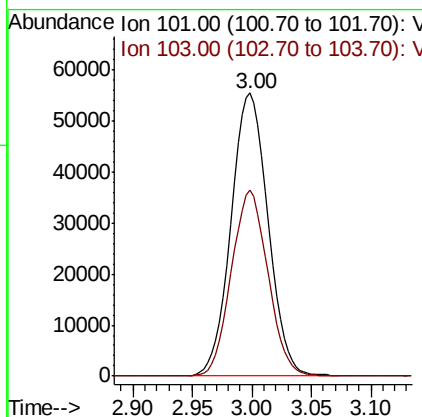
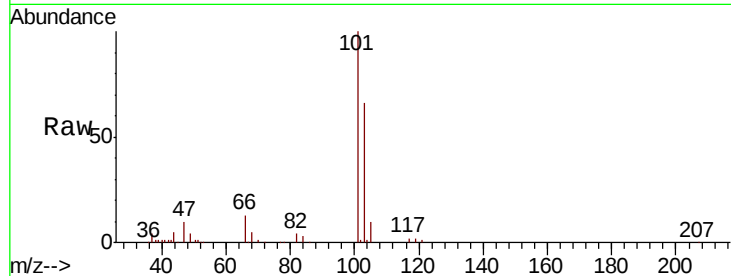
Trichlorofluoromethane
Concen: 22.675 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
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ClientSampleId :
VN1025WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		119703		
103	65.8	51.5	77.3		

Manual Integrations
APPROVED

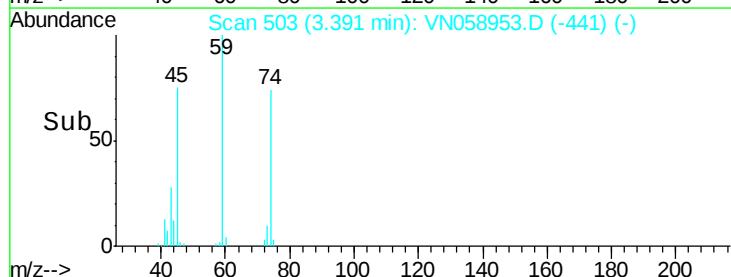
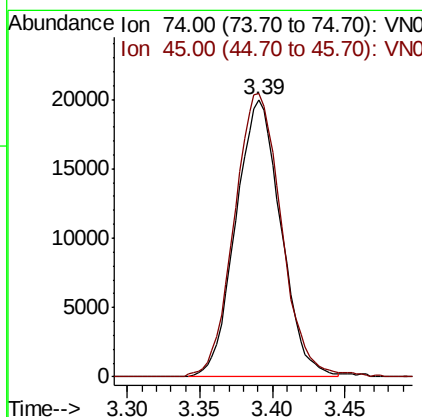
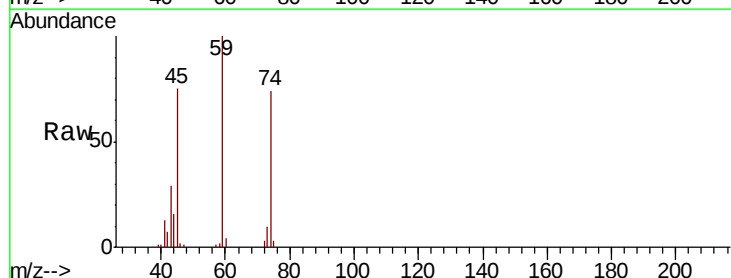
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10/25/2019 2:36:47 PM

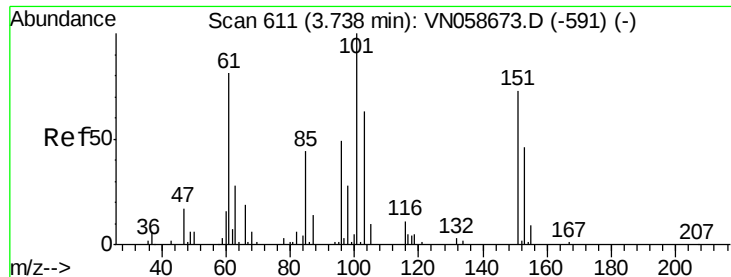


#8

Diethyl Ether
Concen: 21.472 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		43232		
45	106.1	20.6	185.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.054 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

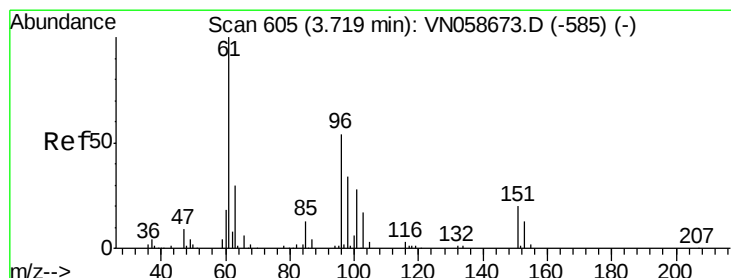
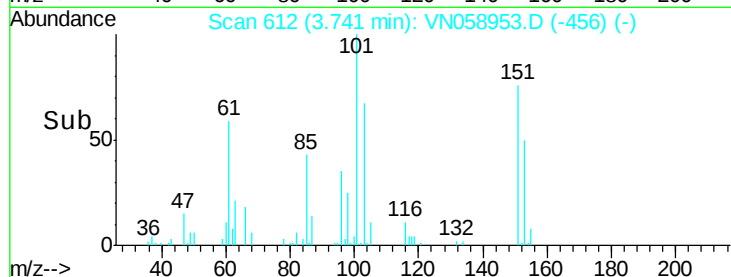
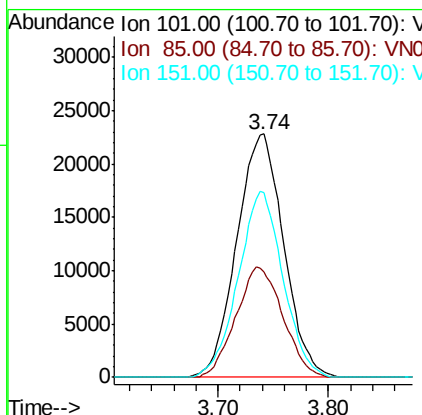
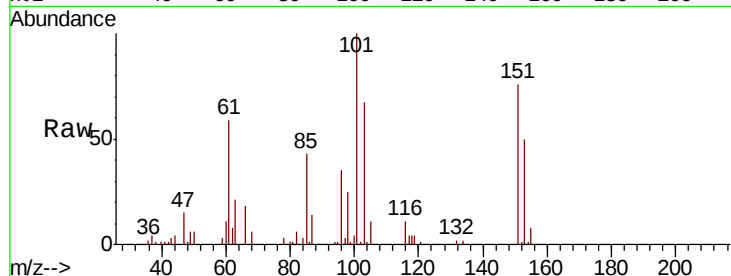
ClientSampleId :

VN1025WBS01

Tot Ion:	101	Resp:	67364
Ion Ratio	Lower	Upper	
101	100		
85	45.1	0.0	93.8
151	72.9	0.0	149.6

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#10

1,1-Dichloroethene

Concen: 21.152 ug/l

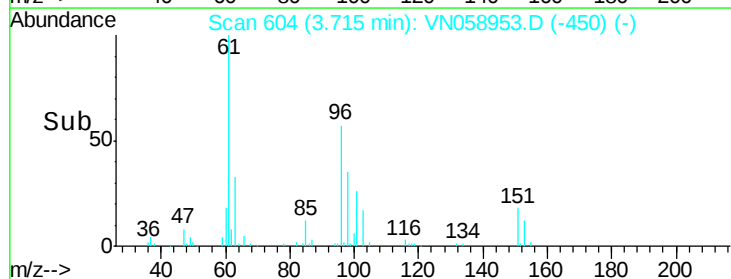
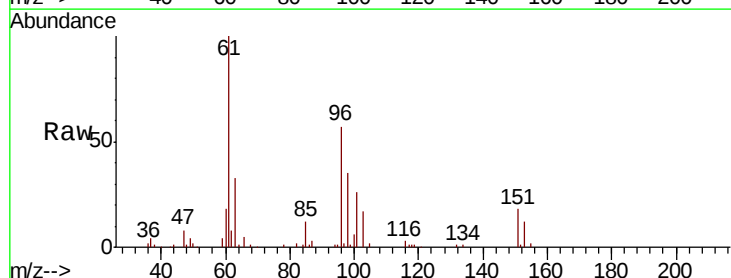
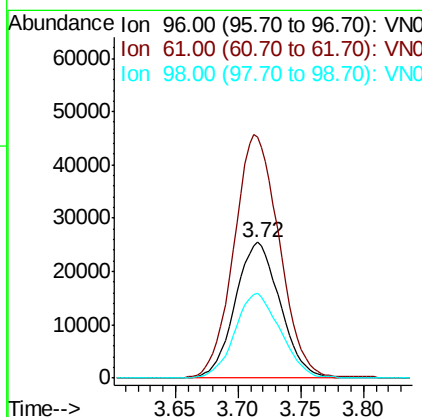
RT: 3.72 min Scan# 604

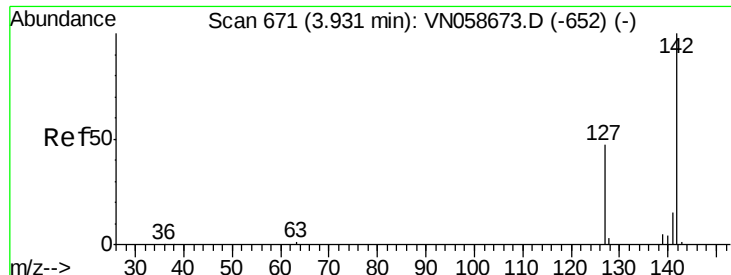
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	96	Resp:	63458
Ion Ratio	Lower	Upper	
96	100		
61	176.1	148.5	222.7
98	61.9	51.0	76.6





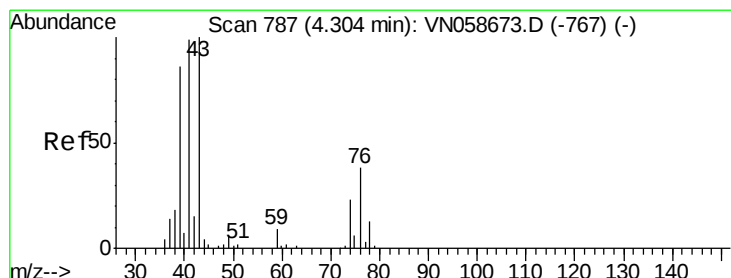
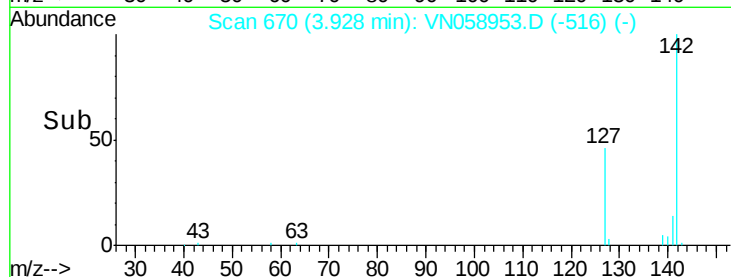
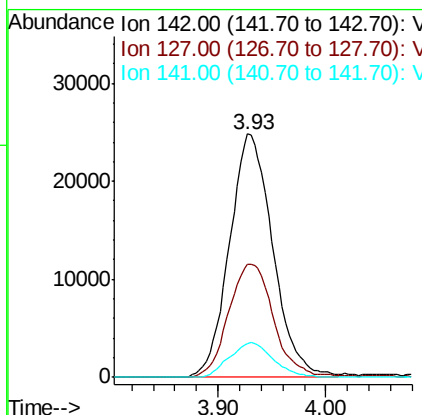
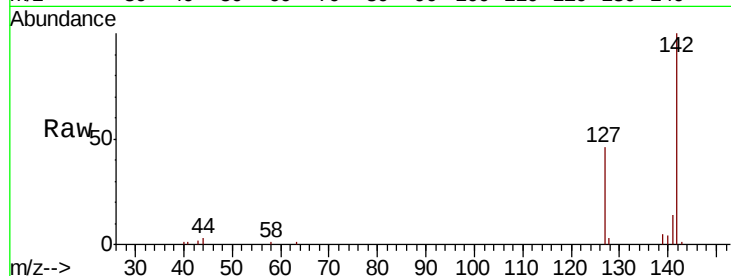
#11
Methvl Iodide
Concen: 16.619 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.3	23.5	70.6
141	14.1	7.4	22.2

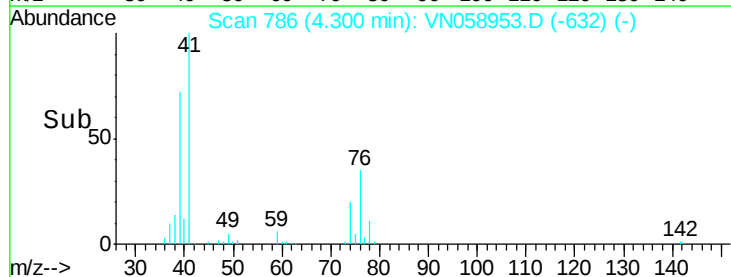
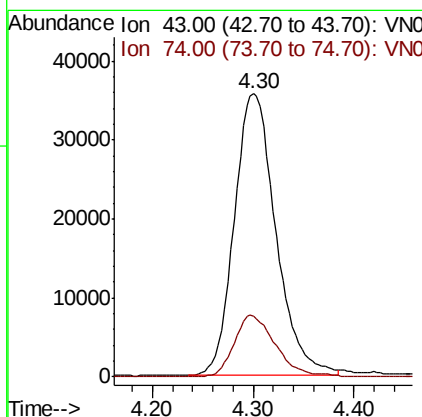
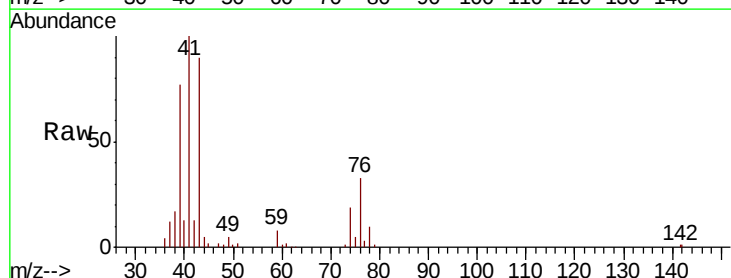
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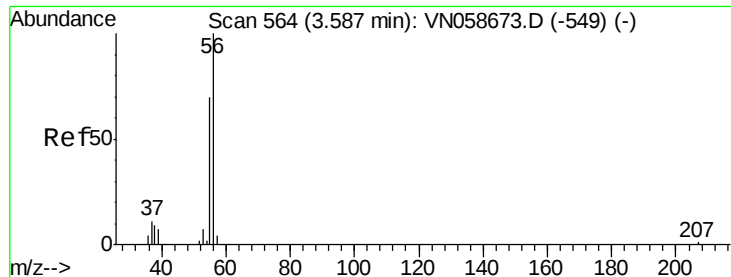
MMDadoda
10/25/2019 2:36:47 PM



#12
Methyl Acetate
Concen: 21.262 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	18.1	27.1





#13

Acrolein

Concen: 80.670 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 56 Resp: 42783

Ion Ratio Lower Upper

56 100

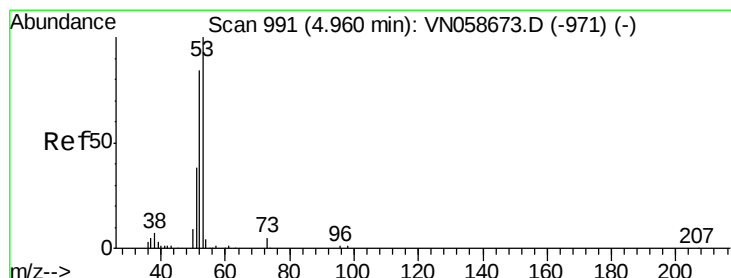
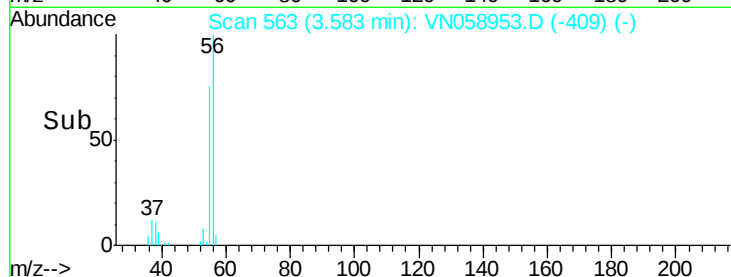
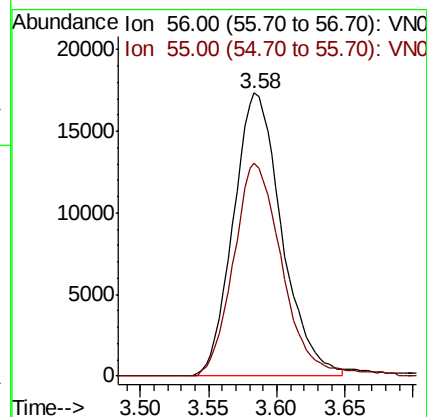
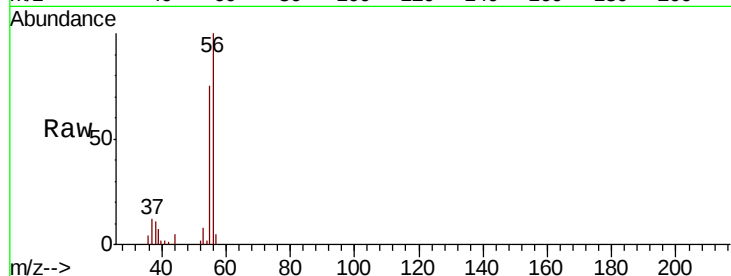
55 73.9 55.9 83.9

Manual Integrations

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#14

Acrylonitrile

Concen: 106.924 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

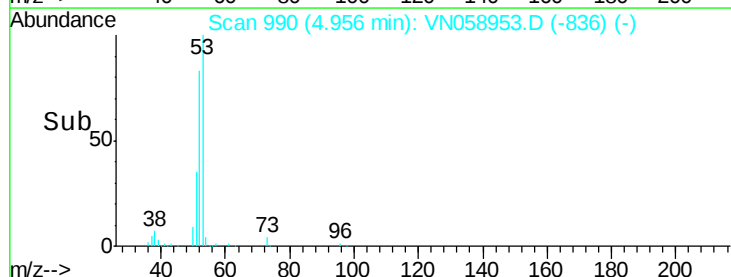
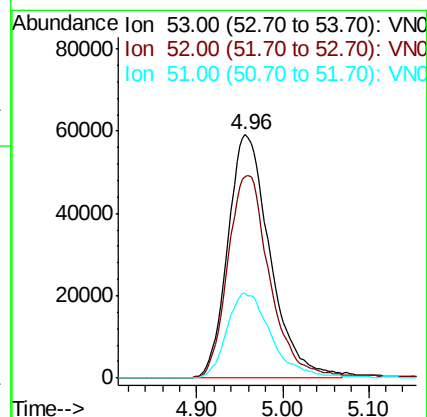
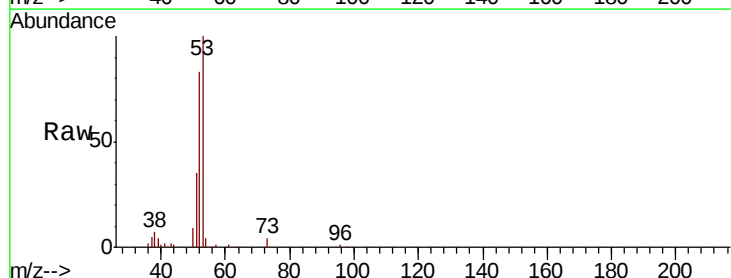
Tgt Ion: 53 Resp: 202221

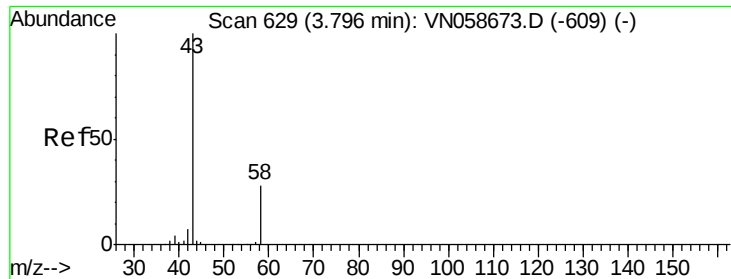
Ion Ratio Lower Upper

53 100

52 81.7 42.2 126.6

51 36.5 18.8 56.4





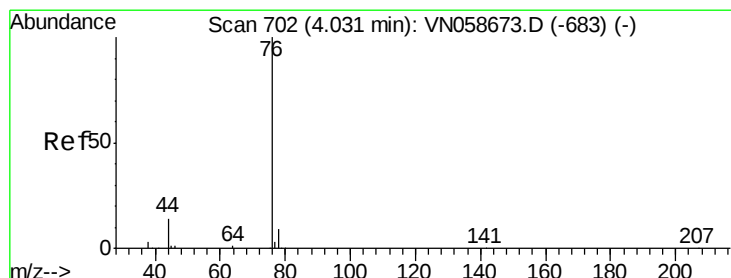
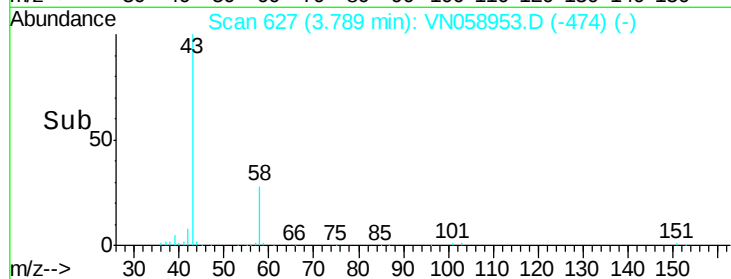
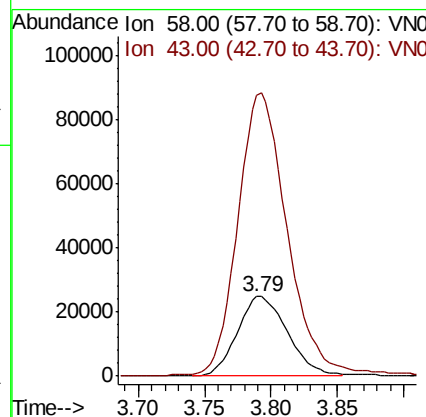
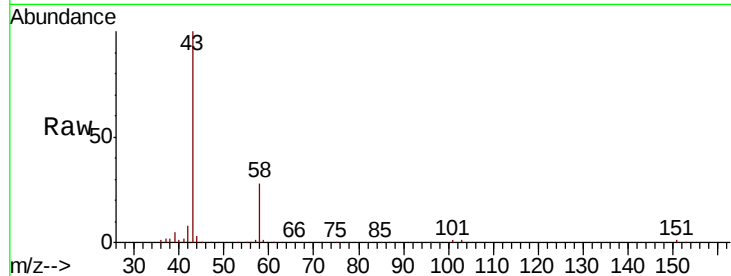
#15
Acetone
Concen: 116.454 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.01 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 58 Resp: 65377
Ion Ratio Lower Upper
58 100
43 349.3 281.7 422.5

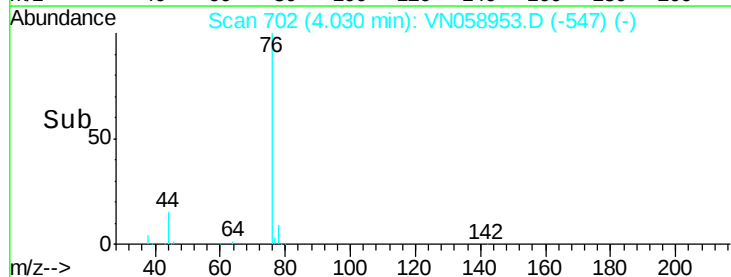
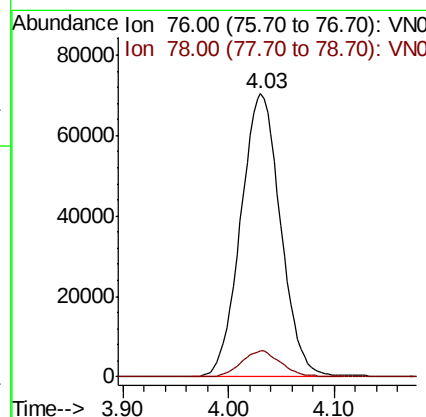
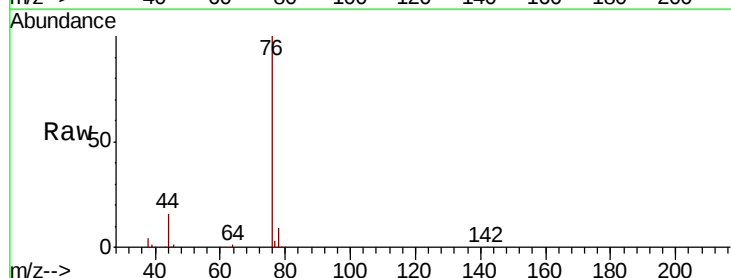
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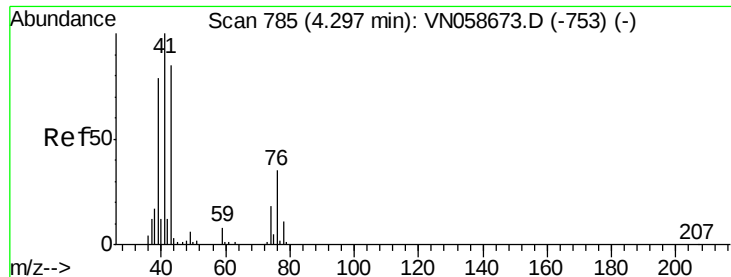
MMDadoda
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#16
Carbon Disulfide
Concen: 21.130 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 76 Resp: 184889
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





#17

Allvl chloride

Concen: 21.284 ug/l m

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

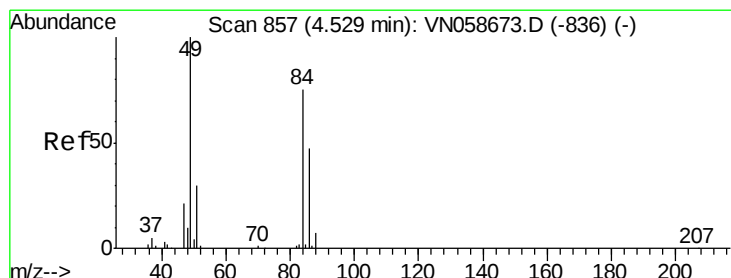
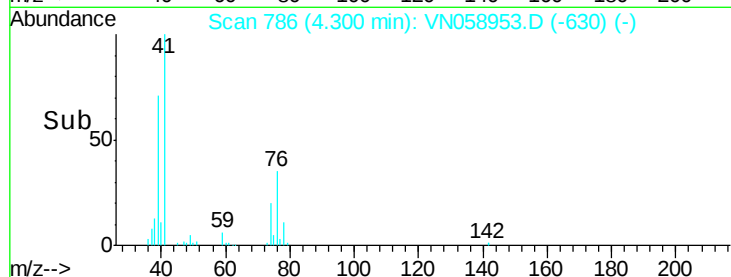
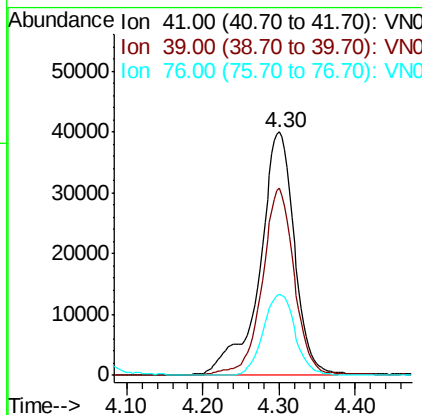
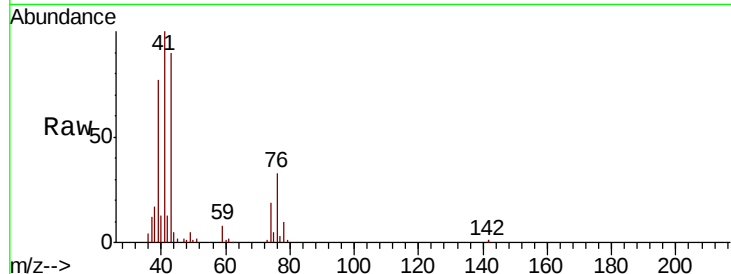
ClientSampleId :

VN1025WBS01

Tot Ion:	41	Resp:	127088
Ion	Ratio	Lower	Upper
41	100		
39	76.7	39.6	118.8
76	33.3	17.6	52.9

Manual Integrations
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#18

Methylene Chloride

Concen: 21.837 ug/l

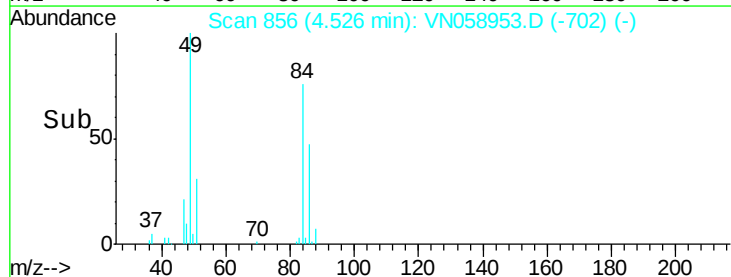
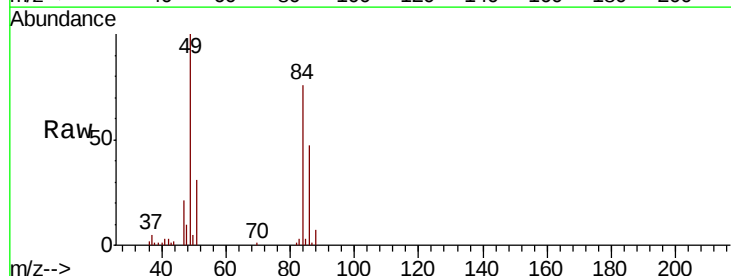
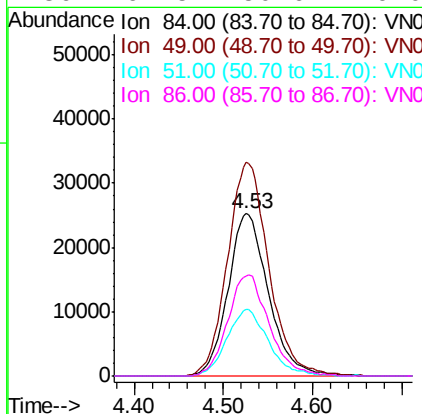
RT: 4.53 min Scan# 856

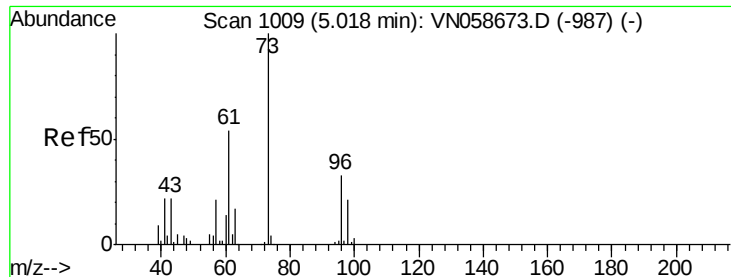
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	84	Resp:	79331
Ion	Ratio	Lower	Upper
84	100		
49	131.0	106.6	160.0
51	41.4	32.4	48.6
86	61.5	50.6	76.0





#19

trans-1,2-Dichloroethene

Concen: 21.572 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 96 Resp: 70453

Ion Ratio Lower Upper

96 100

61 156.2 131.8 197.6

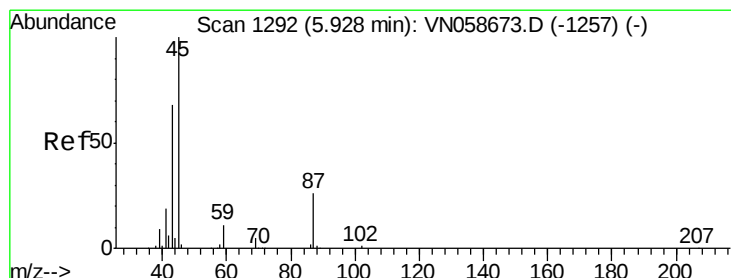
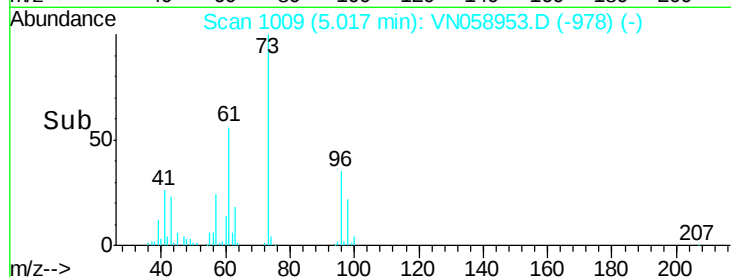
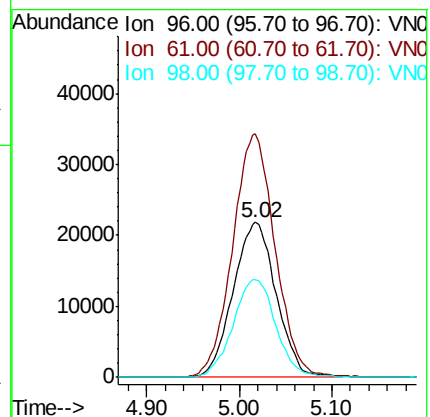
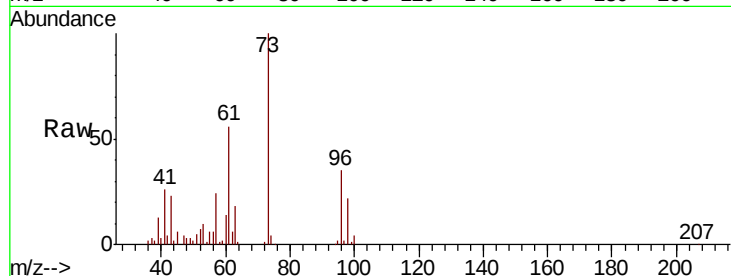
98 63.4 52.6 79.0

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#20

Diisopropyl ether

Concen: 21.965 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion: 45 Resp: 267218

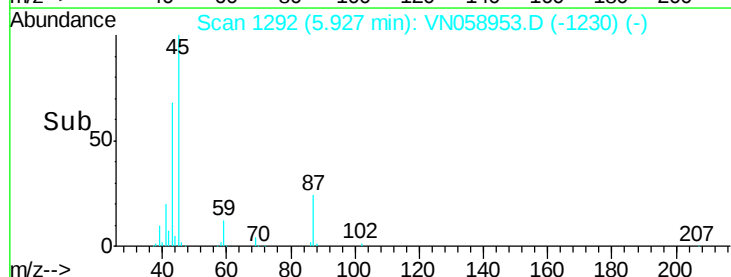
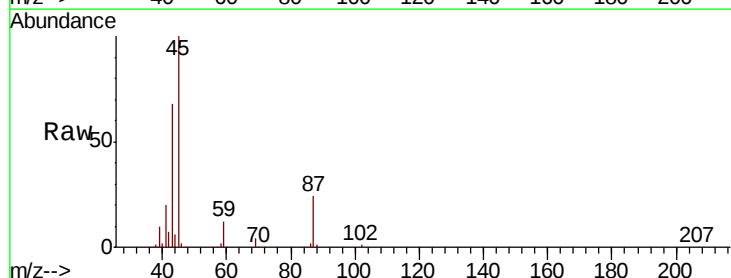
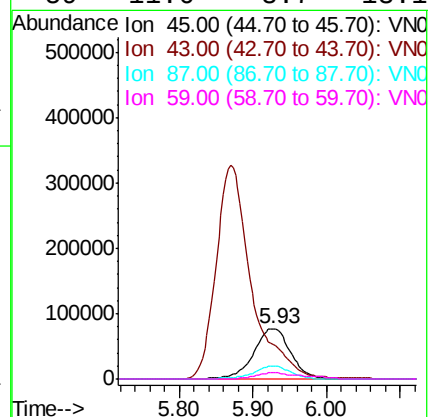
Ion Ratio Lower Upper

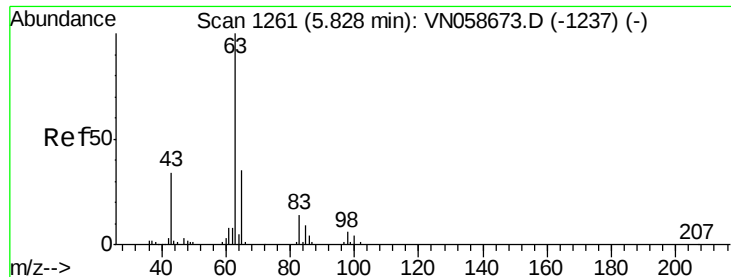
45 100

43 66.2 54.7 82.1

87 24.2 21.5 32.3

59 11.6 8.7 13.1





#21

1,1-Dichloroethane

Concen: 22.202 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

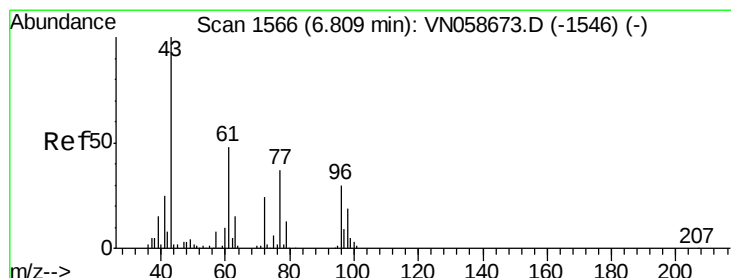
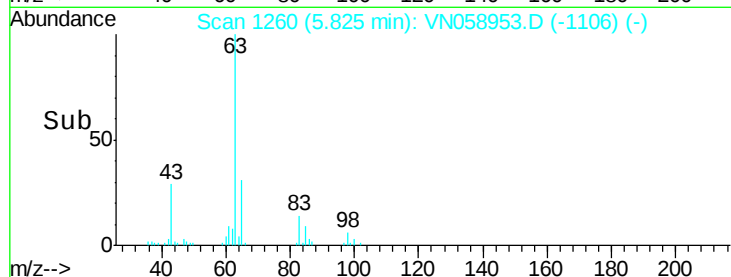
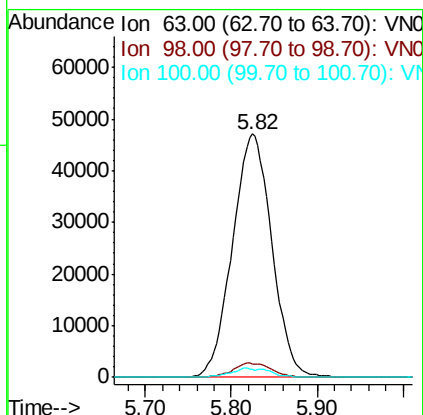
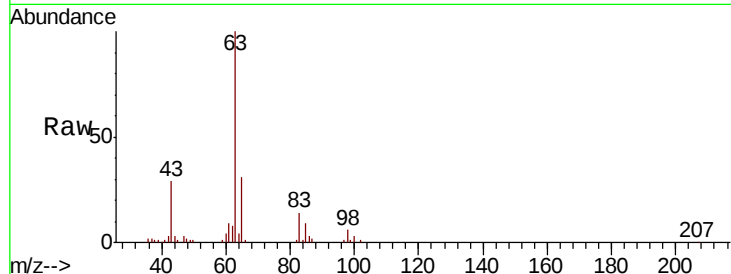
ClientSampleId :

VN1025WBS01

Tot Ion:	63	Resp:	149572
Ion Ratio	Lower	Upper	
63	100		
98	5.6	2.9	8.6
100	3.1	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 20.939 ug/l

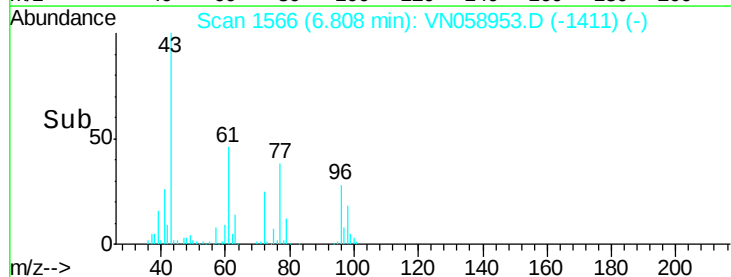
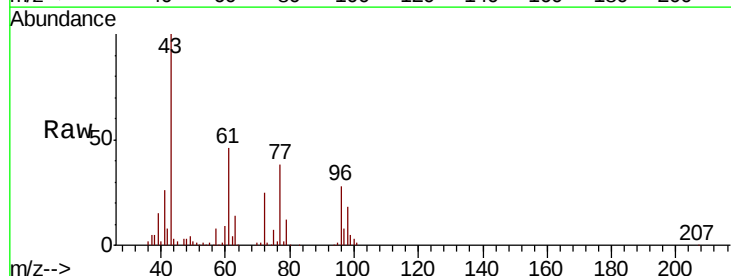
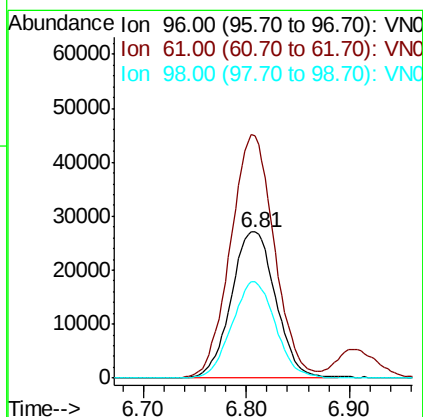
RT: 6.81 min Scan# 1566

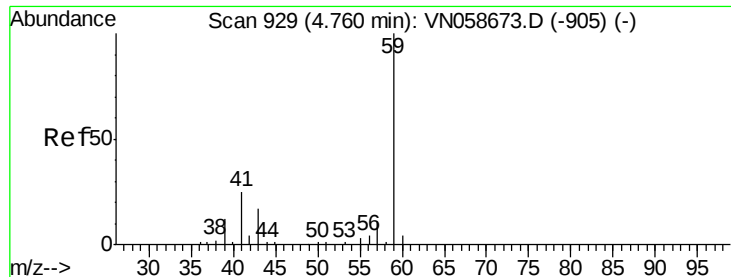
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	96	Resp:	81538
Ion Ratio	Lower	Upper	
96	100		
61	163.7	127.2	190.8
98	64.1	50.5	75.7





#23

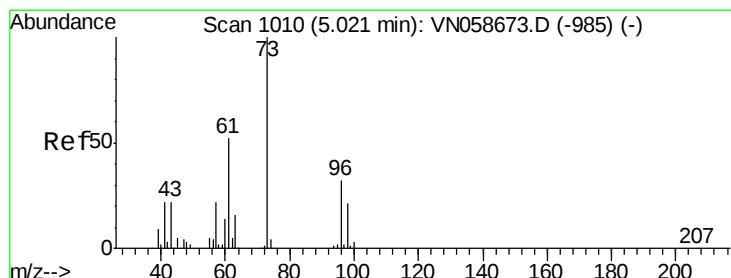
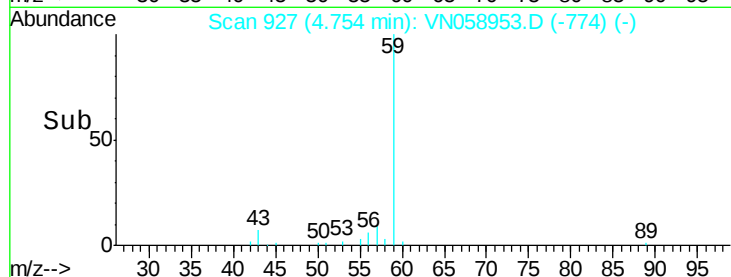
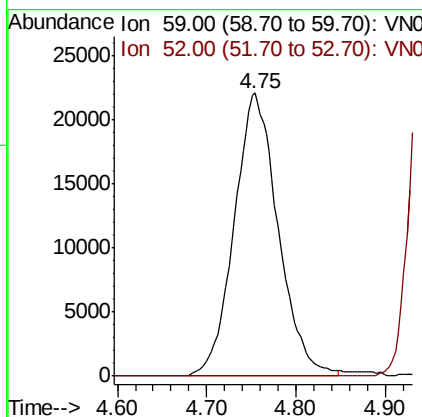
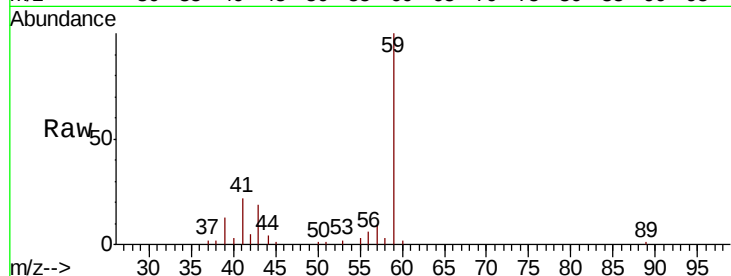
tert-Butyl Alcohol
 Concen: 97.745 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

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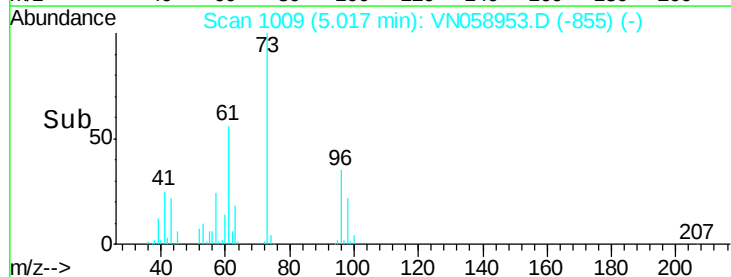
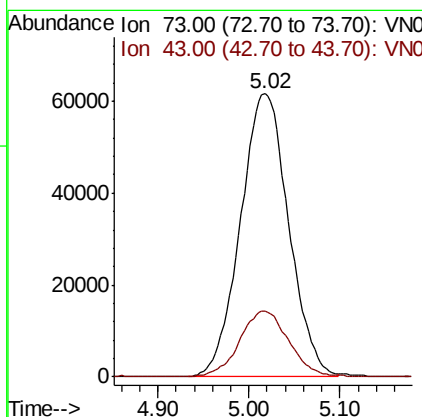
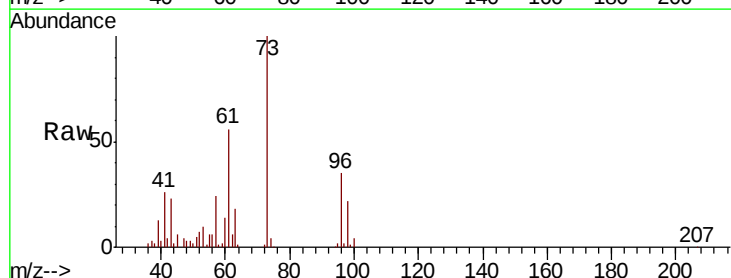
MMDadoda
 10/25/2019 2:36:47 PM

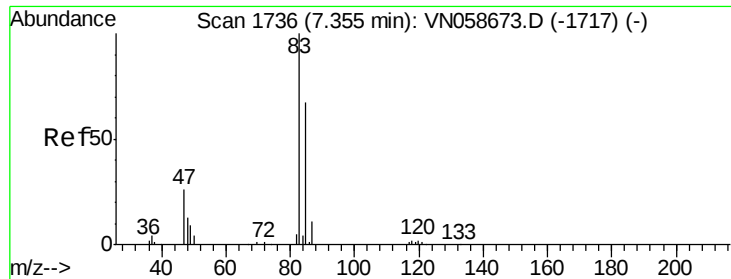


#24

Methyl tert-Butyl Ether
 Concen: 20.261 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.9	17.9	26.9





#25

Chloroform

Concen: 21.548 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 83 Resp: 144775

Ion Ratio Lower Upper

83 100

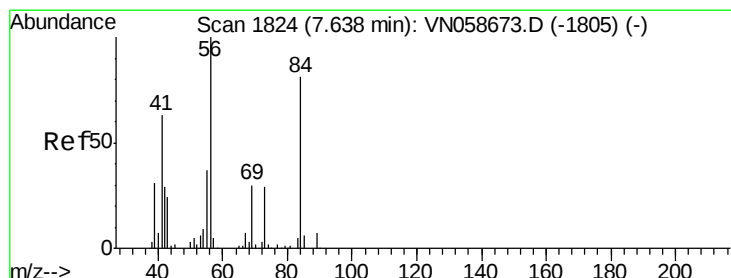
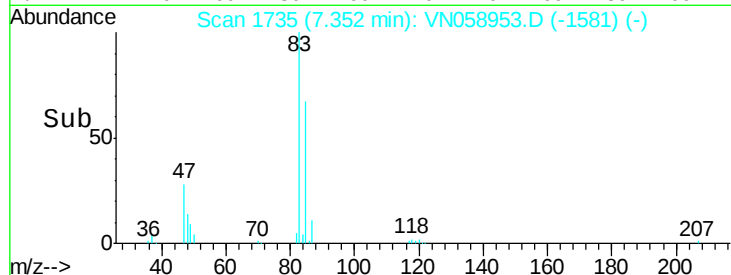
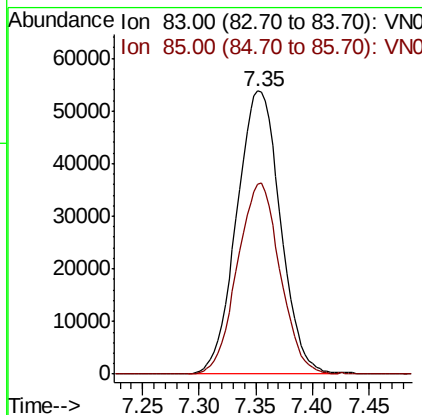
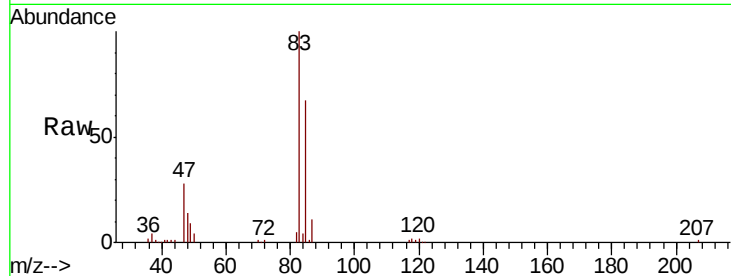
85 67.1 53.8 80.8

Manual Integrations

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#26

Cyclohexane

Concen: 20.019 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

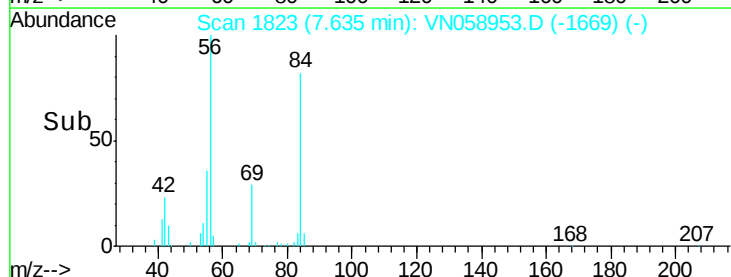
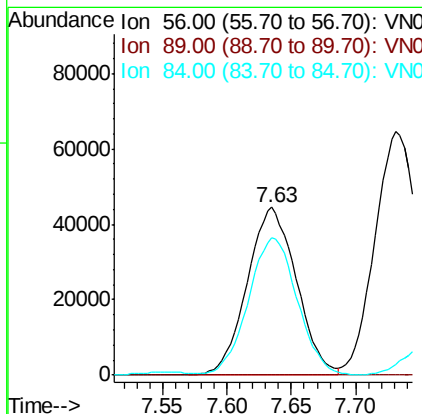
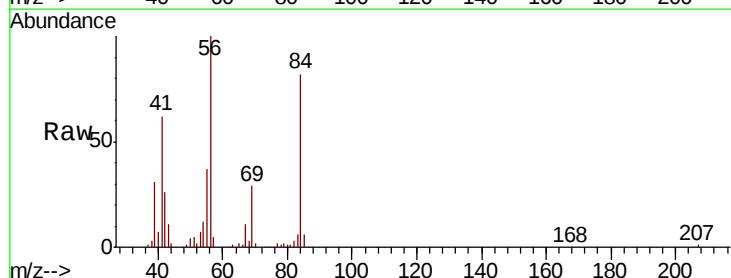
Tgt Ion: 56 Resp: 118372

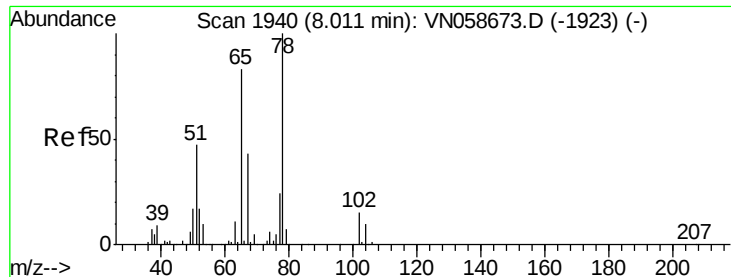
Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 81.3 65.6 98.4





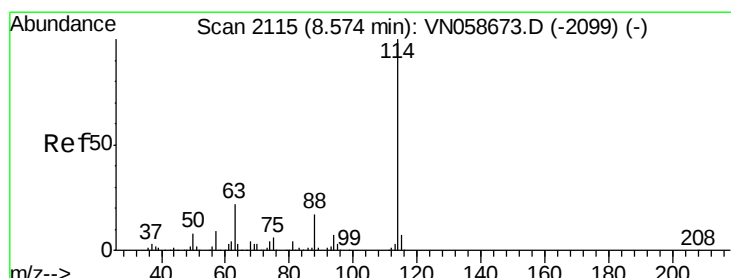
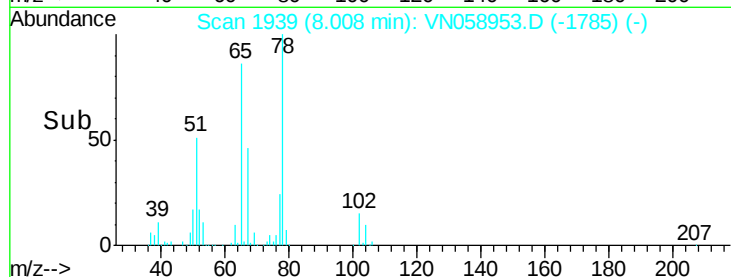
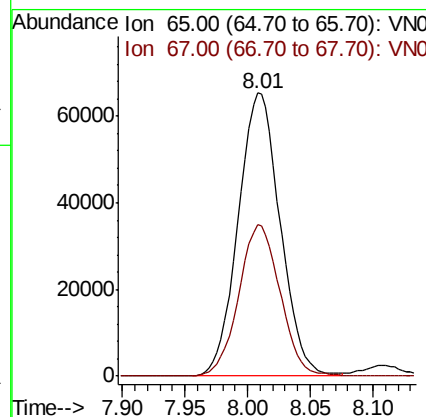
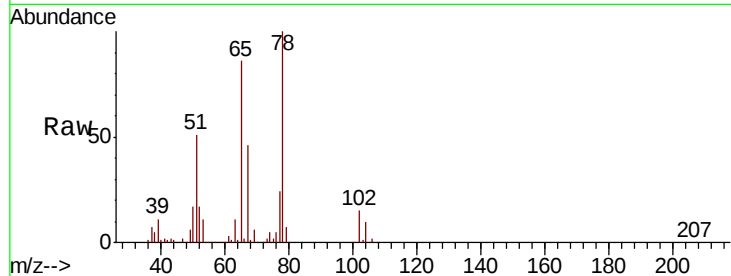
#27
 1,2-Dichloroethane-d4
 Concen: 31.317 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.5	62.3

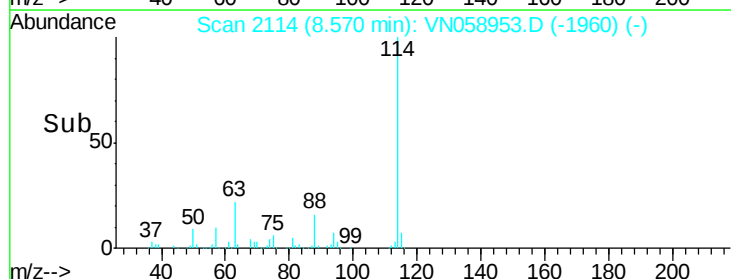
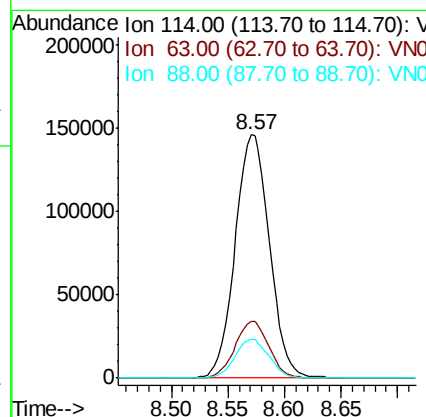
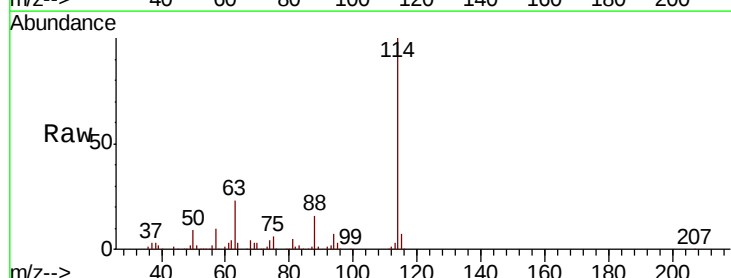
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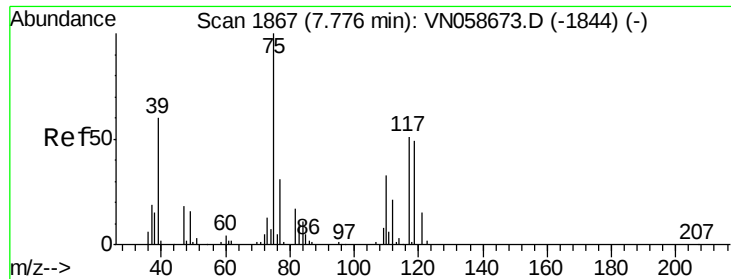
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.1	27.1
88	15.9	13.0	19.4





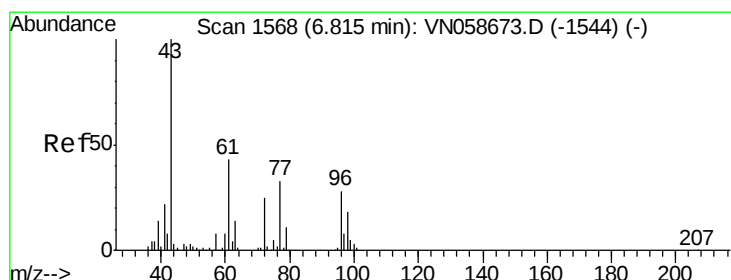
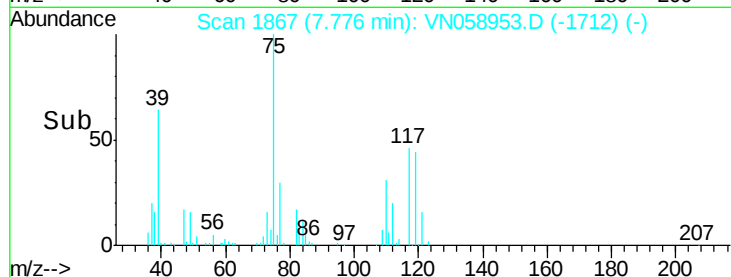
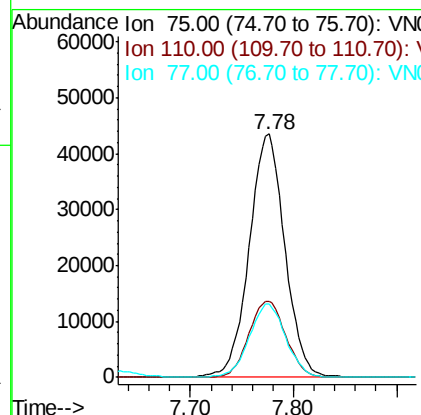
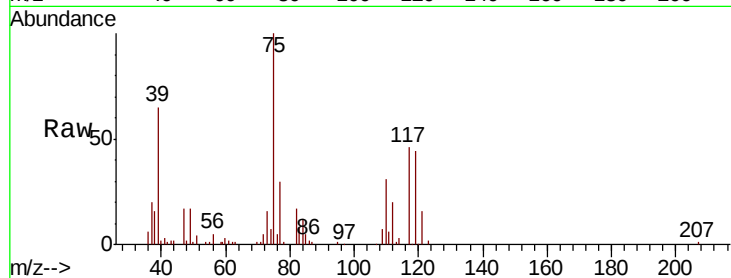
#29
 1,1-Dichloropropene
 Concen: 21.447 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.5	0.0	64.6
77	31.0	0.0	60.8

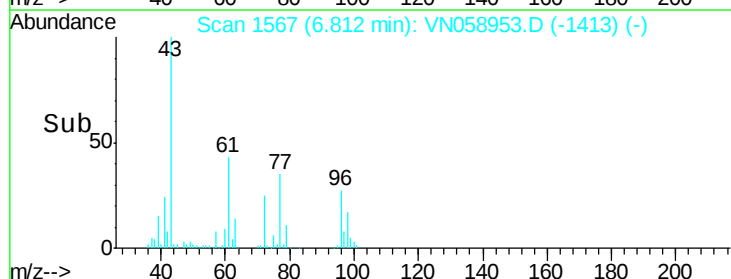
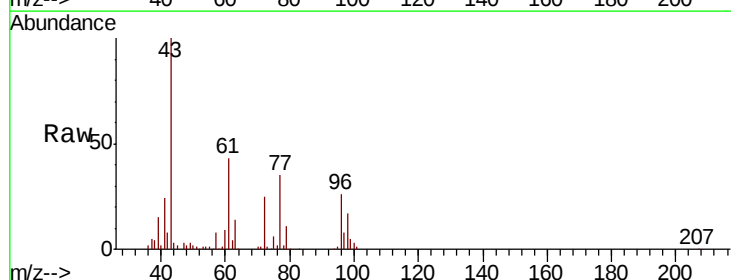
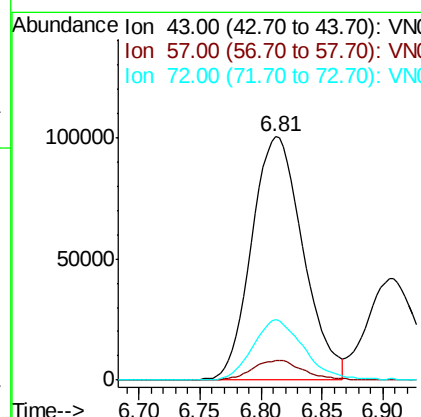
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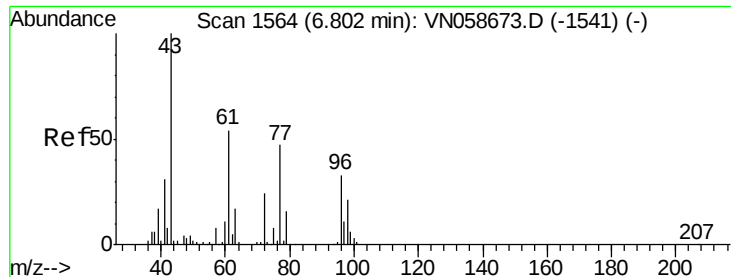
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#30
 2-Butanone
 Concen: 106.519 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.7	20.1	30.1





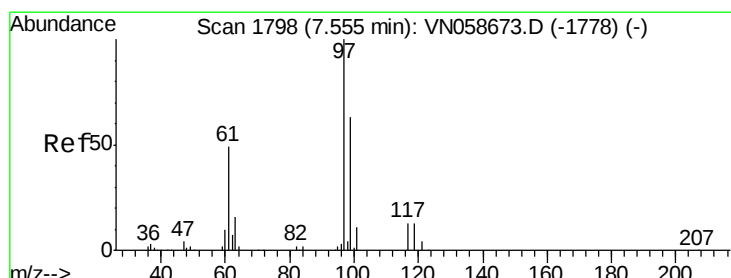
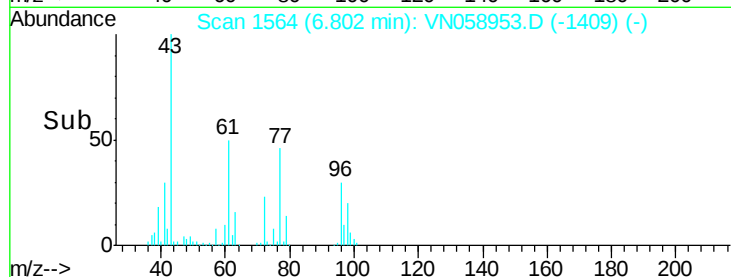
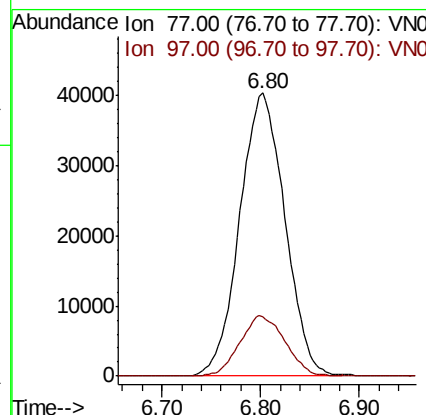
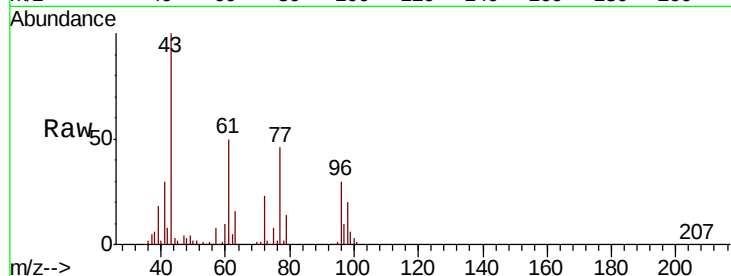
#31
 2,2-Dichloropropane
 Concen: 22.364 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.2	17.9	26.9

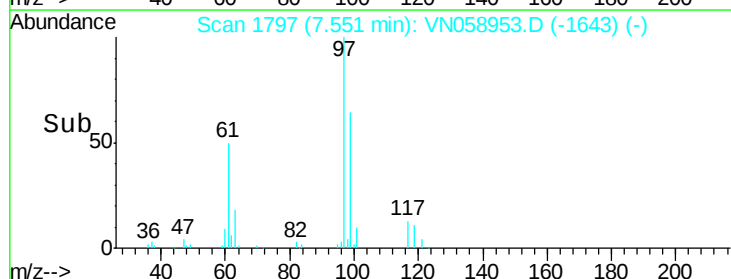
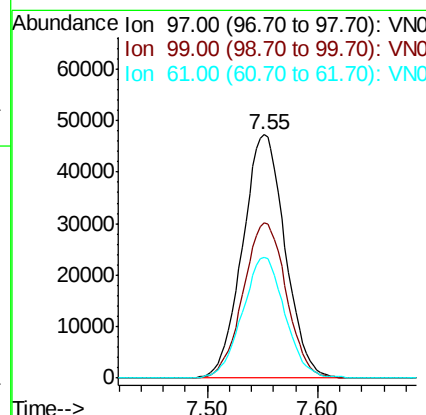
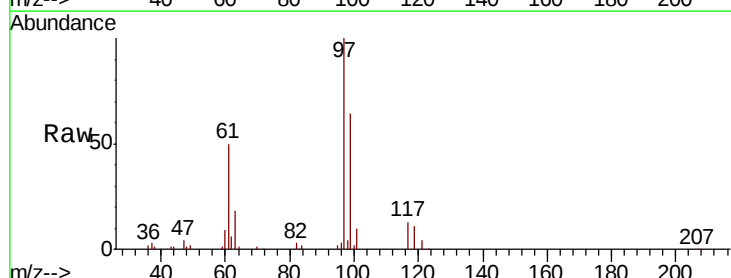
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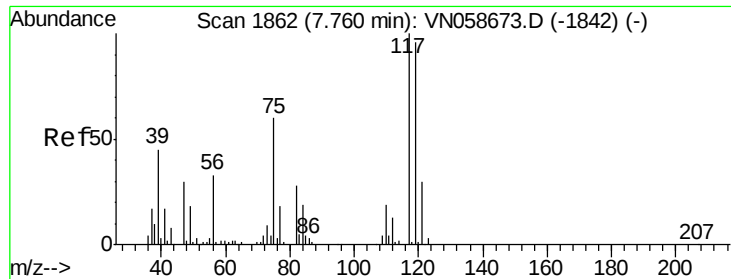
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#32
 1,1,1-Trichloroethane
 Concen: 22.492 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	49.3	38.4	57.6





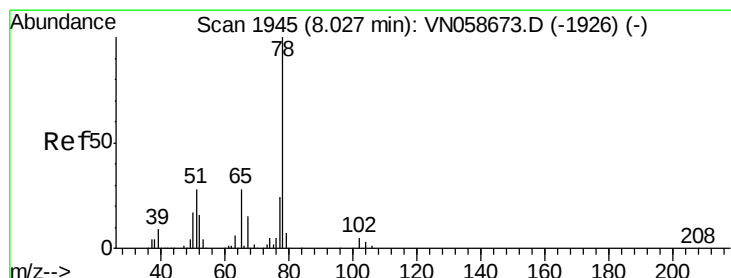
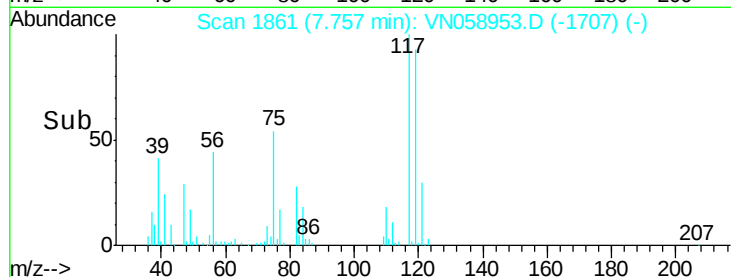
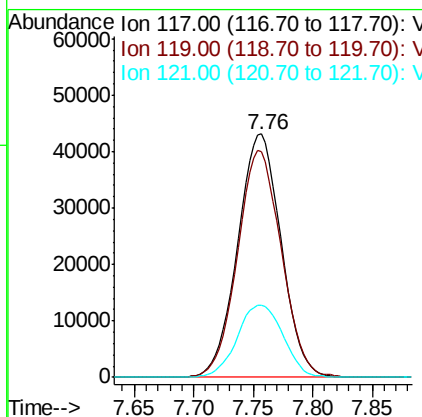
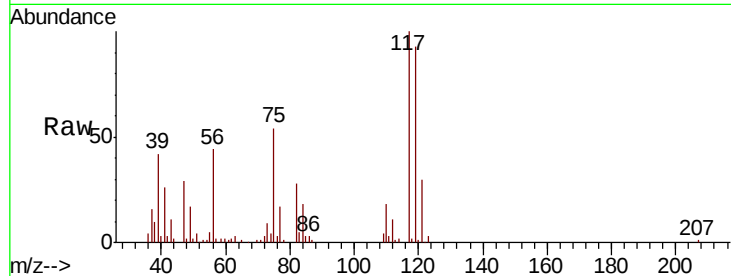
#33
Carbon Tetrachloride
Concen: 22.428 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.9	115.3
121	29.8	23.8	35.8

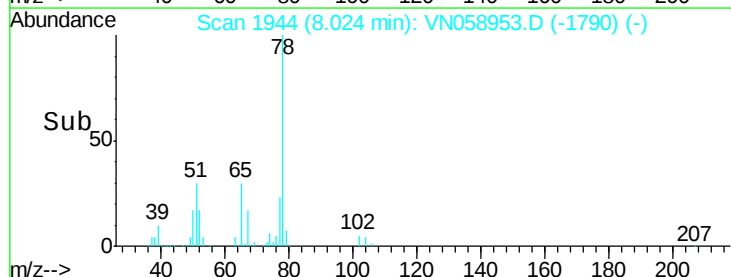
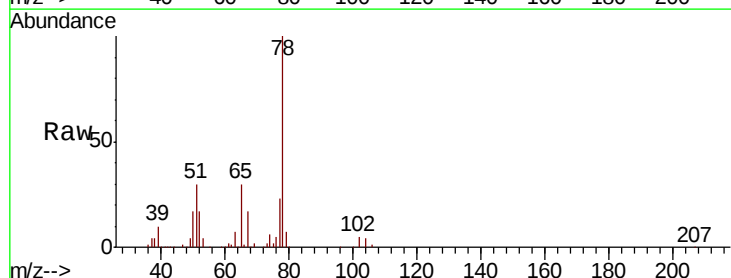
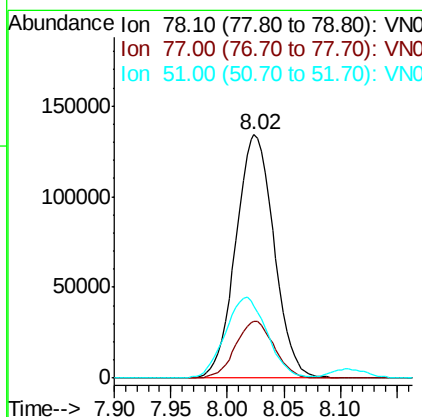
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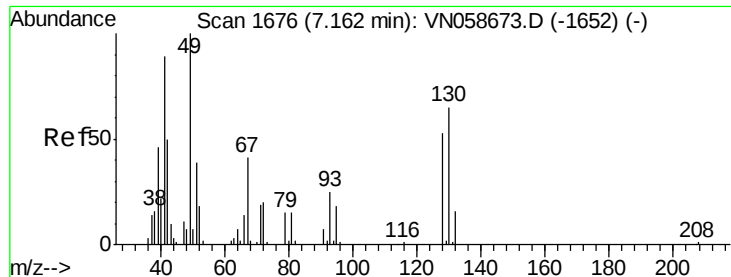
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#34
Benzene
Concen: 22.076 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8
51	29.5	22.1	33.1





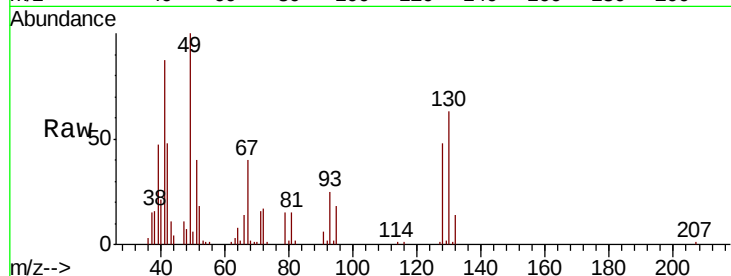
#35
Methacrylonitrile
Concen: 20.900 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	41	Resp	50697
Ion	Ratio	Lower	Upper
41	100		
39	54.2	25.8	77.4
67	46.7	23.0	69.0
52	20.5	10.1	30.1

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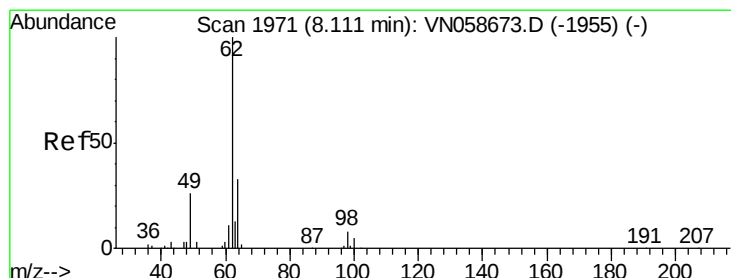
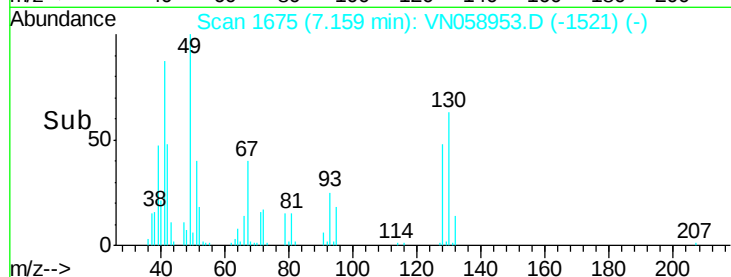
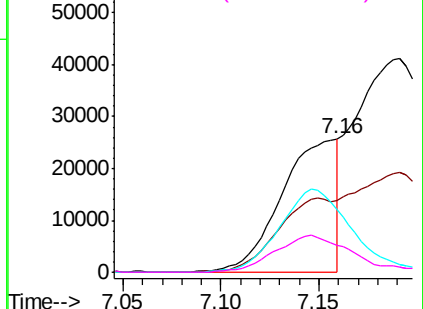
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

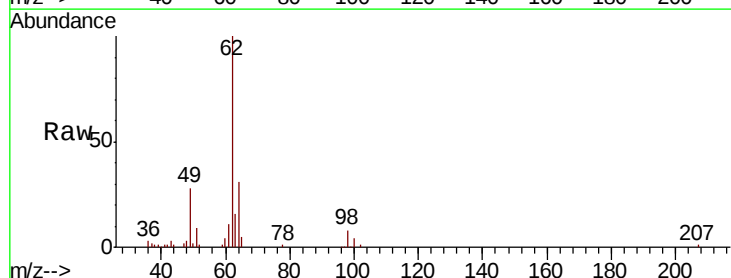
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#36
1,2-Dichloroethane
Concen: 22.819 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

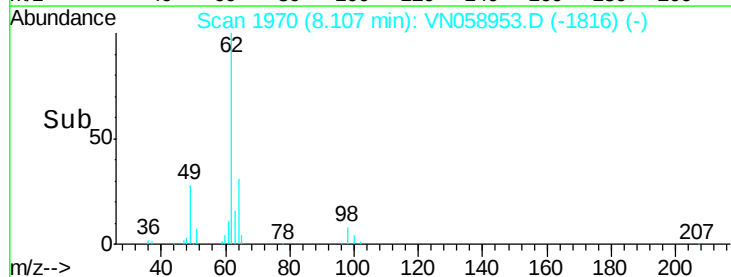
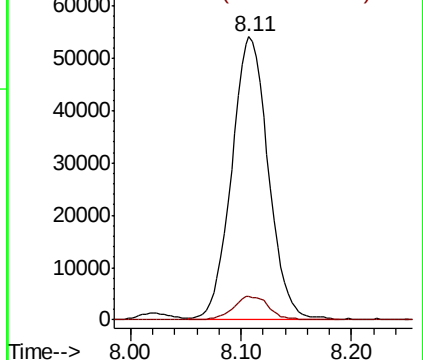
Tgt Ion	62	Resp	124810
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.4	9.6

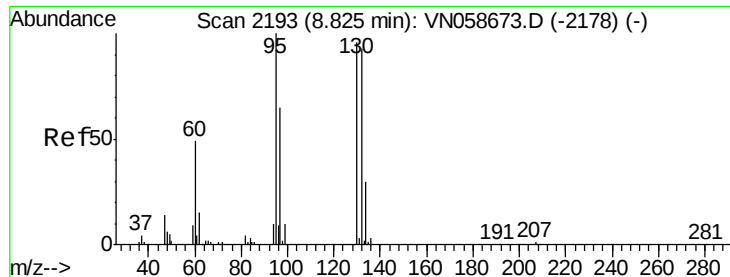


Abundance

Ion 62.00 (61.70 to 62.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





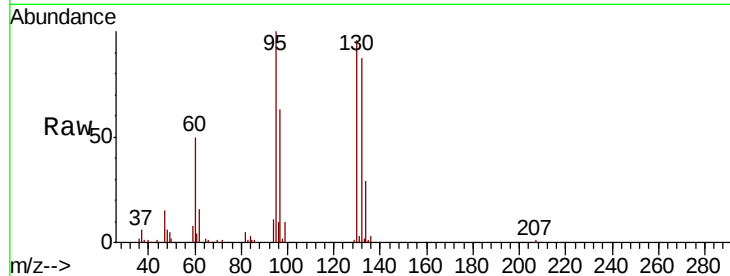
#37
 Trichloroethene
 Concen: 21.309 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

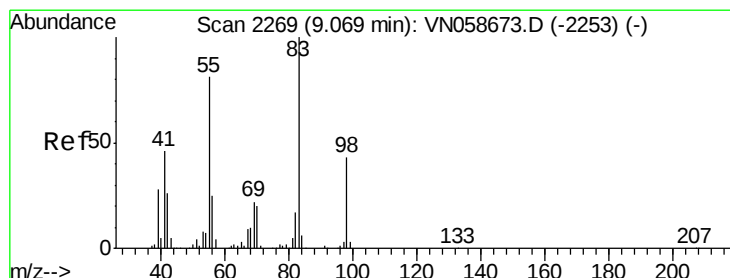
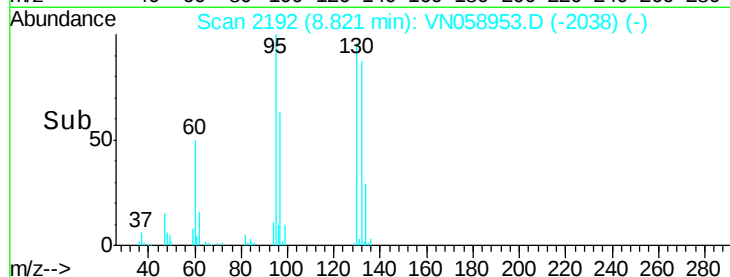
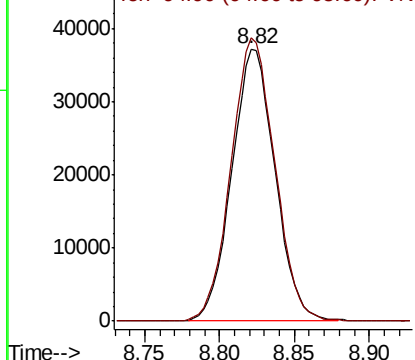
Tot Ion:130 Resp: 74888
 Ion Ratio Lower Upper
 130 100
 95 103.6 83.2 124.8

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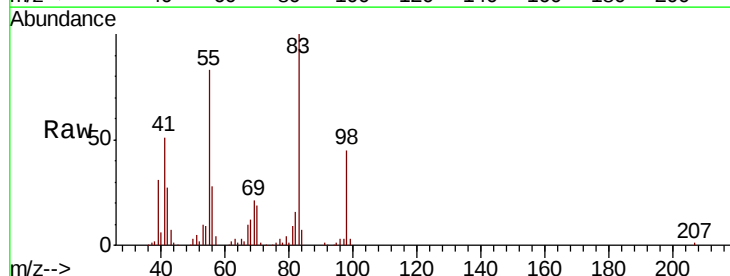


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

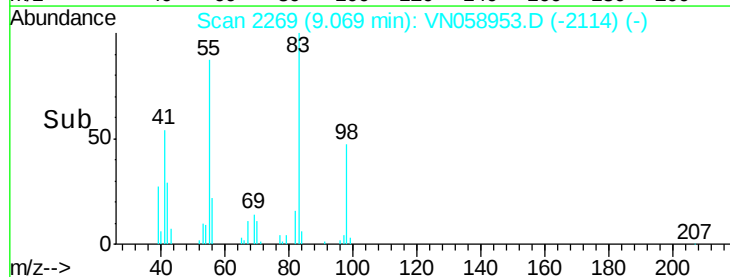
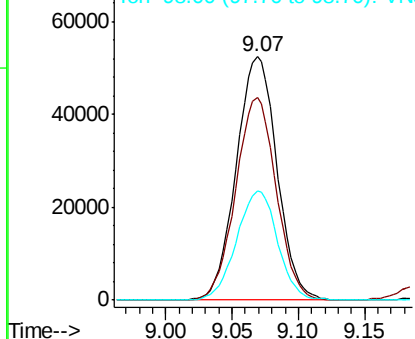


#38
 Methylcyclohexane
 Concen: 19.831 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion: 83 Resp: 111724
 Ion Ratio Lower Upper
 83 100
 55 82.8 40.4 121.1
 98 45.1 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





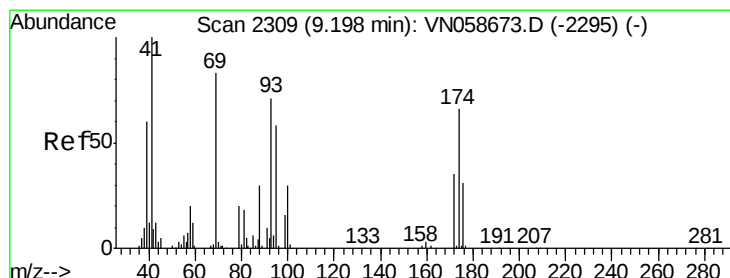
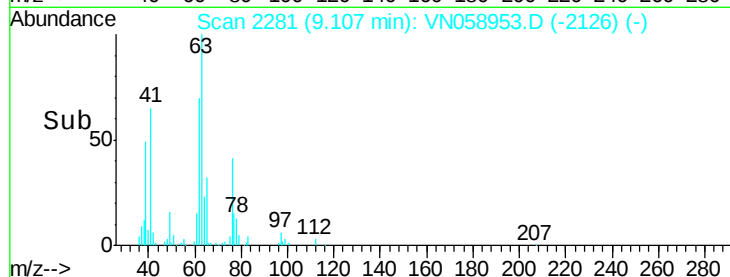
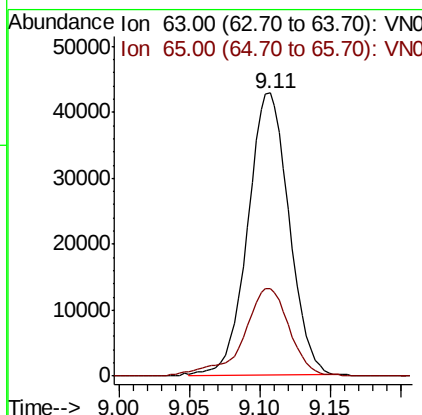
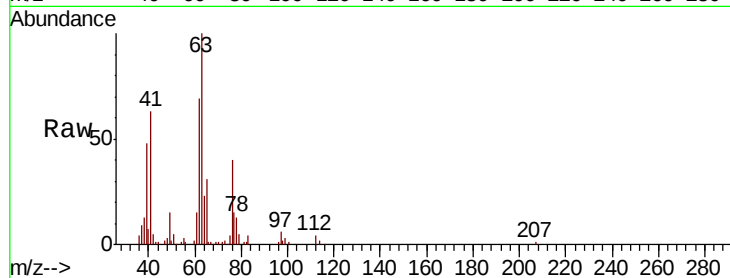
#39
 1,2-Dichloropropane
 Concen: 22.417 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	63	Resp	87640
Ion Ratio	Lower	Upper	
63	100		
65	30.7	23.8	35.6

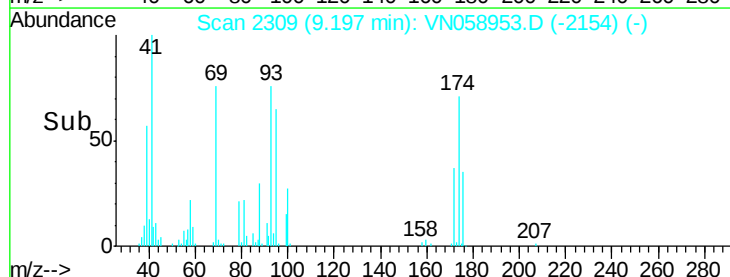
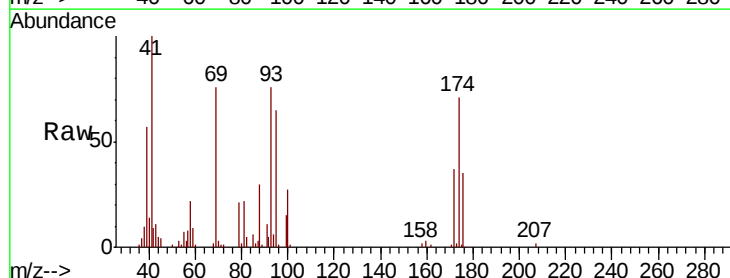
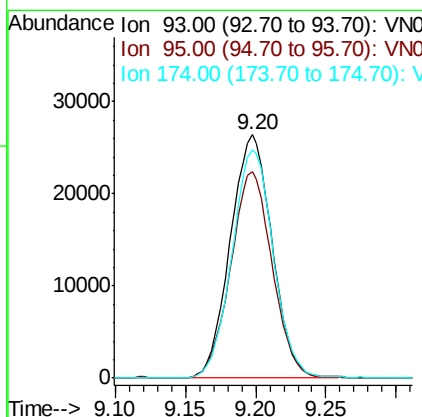
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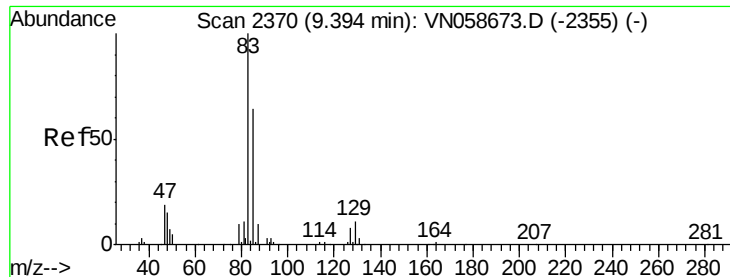
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#40
 Dibromomethane
 Concen: 22.182 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	93	Resp	54743
Ion Ratio	Lower	Upper	
93	100		
95	84.1	0.0	167.6
174	92.7	0.0	187.2





#41

Bromodichloromethane

Concen: 22.956 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

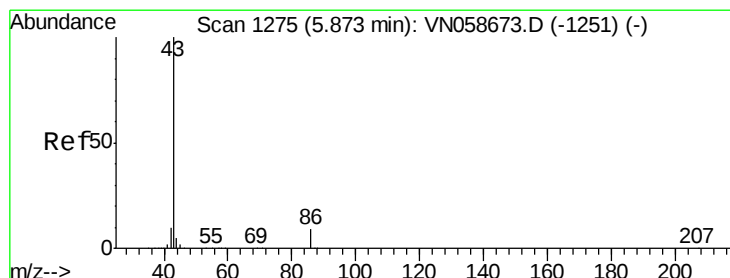
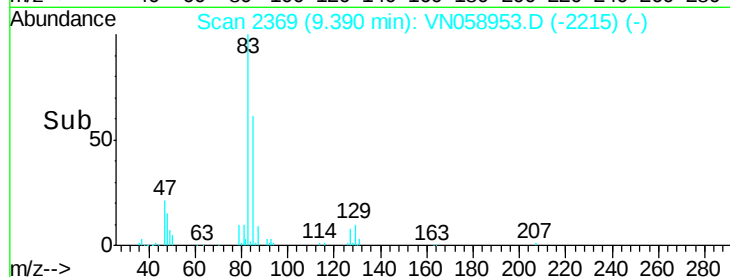
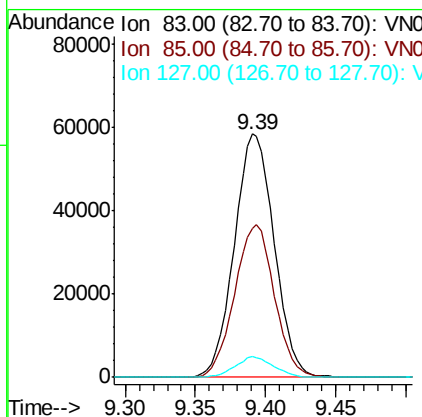
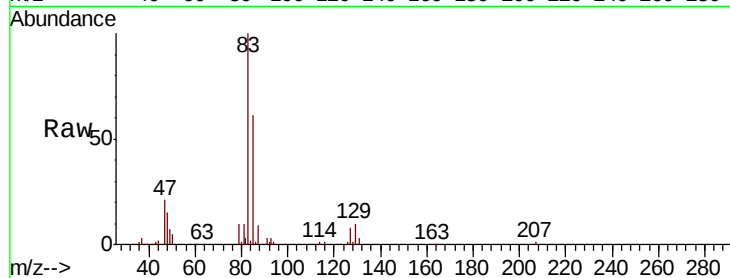
ClientSampleId :

VN1025WBS01

Tot Ion:	83	Resp:	115742
Ion	Ratio	Lower	Upper
83	100		
85	61.4	51.0	76.4
127	8.5	6.6	9.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 113.529 ug/l

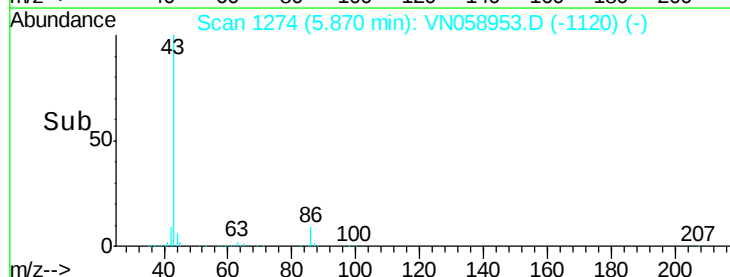
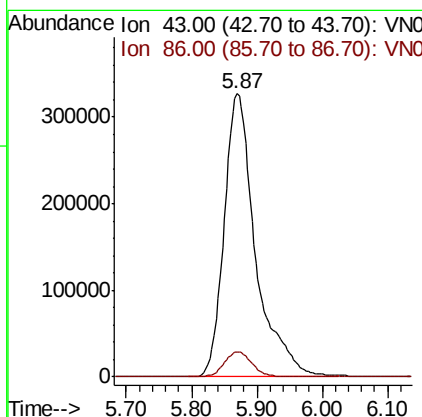
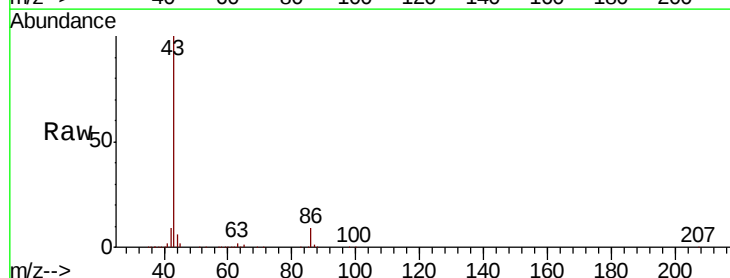
RT: 5.87 min Scan# 1274

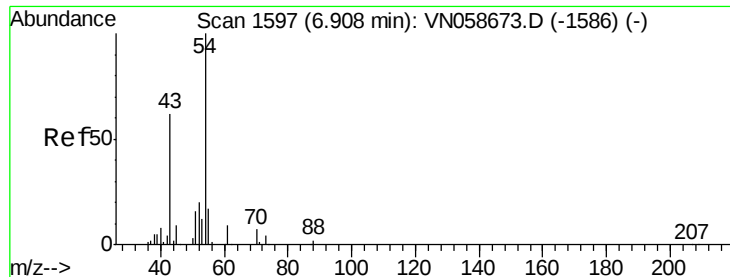
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	43	Resp:	1091786
Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.5	9.7





#43

Ethyl Acetate

Concen: 21.585 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 43 Resp: 116334

Ion Ratio Lower Upper

43 100

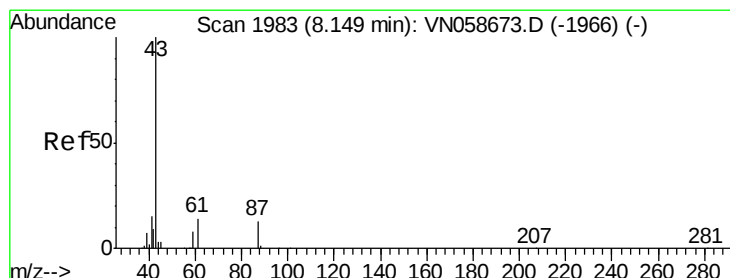
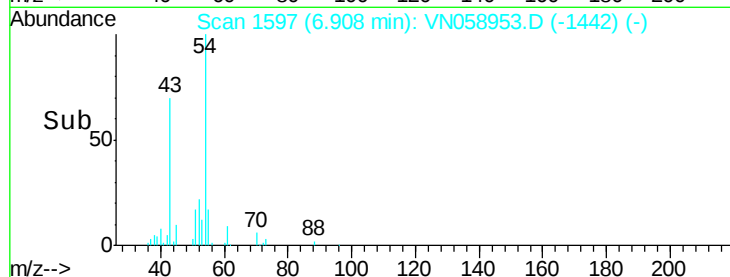
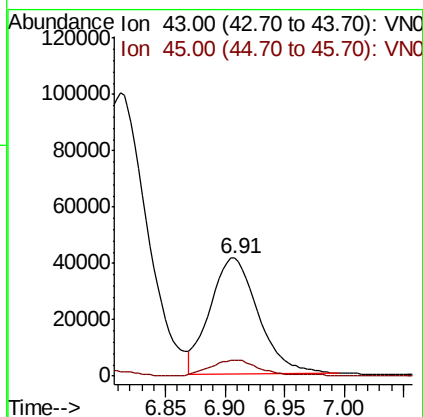
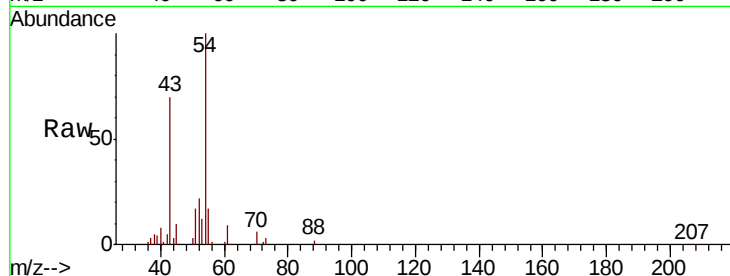
45 12.4 9.7 14.5

Manual Integrations

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#44

Isopropyl Acetate

Concen: 21.086 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058953.D

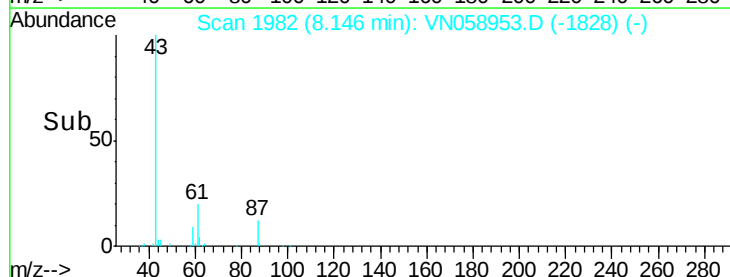
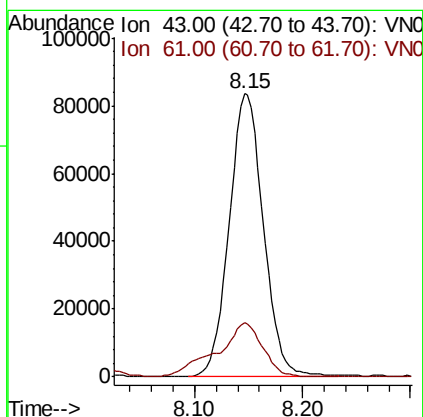
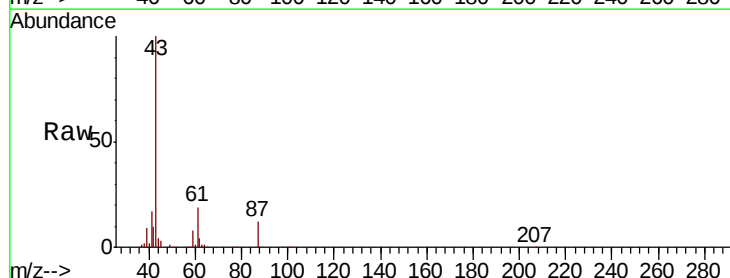
Acq: 24 Oct 2019 12:16

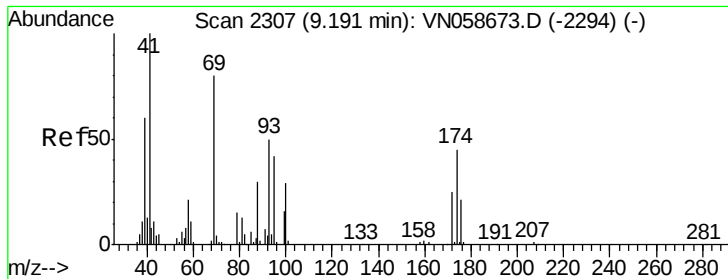
Tgt Ion: 43 Resp: 184077

Ion Ratio Lower Upper

43 100

61 26.0 19.9 29.9





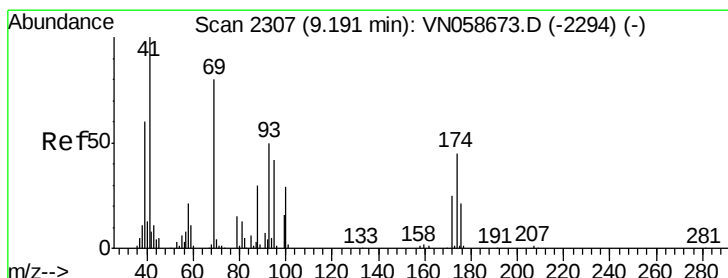
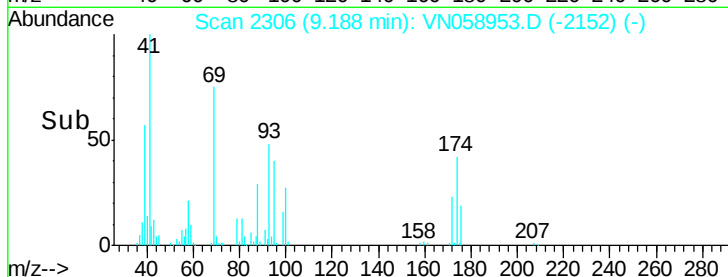
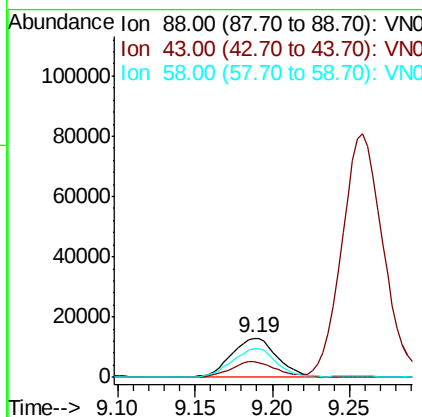
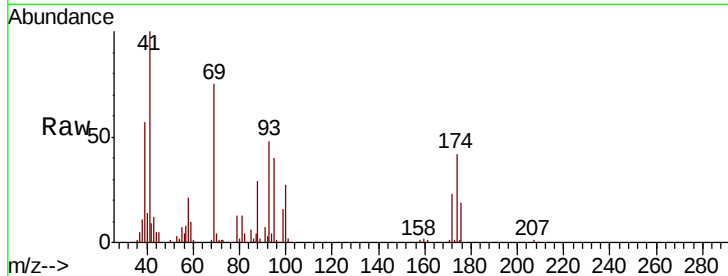
#45
1,4-Dioxane
Concen: 400.373 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.1	29.8	44.8
58	71.2	58.2	87.4

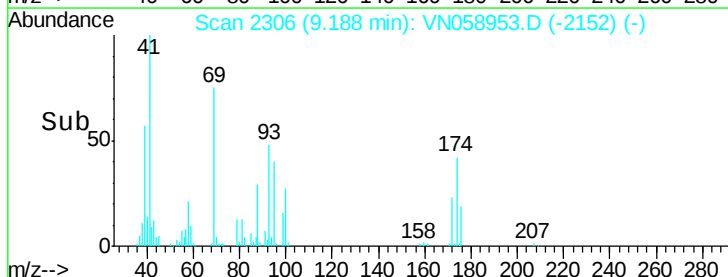
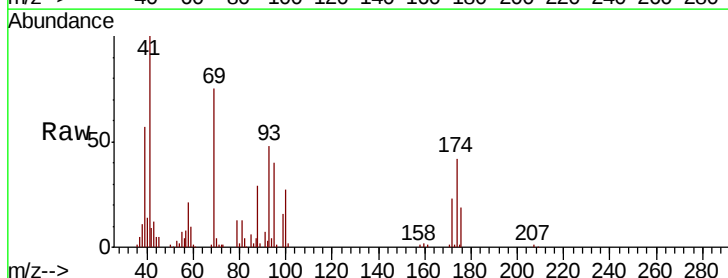
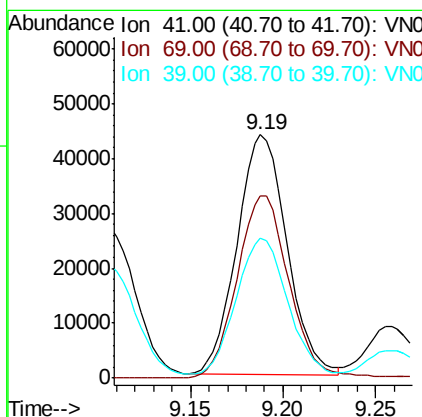
Manual Integrations
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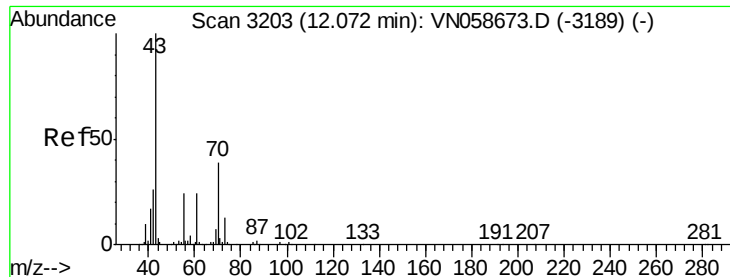
MMDadoda
10/25/2019 2:36:47 PM



#46
Methyl methacrylate
Concen: 20.418 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.9	40.2	120.5
39	56.6	29.9	89.8





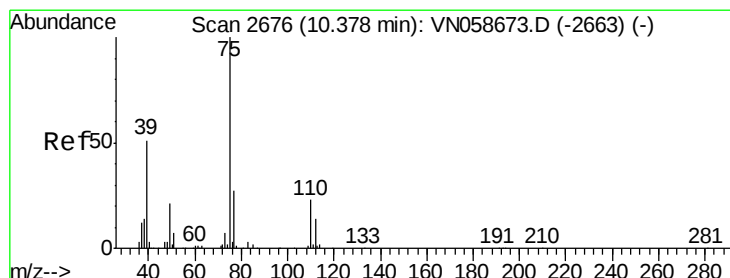
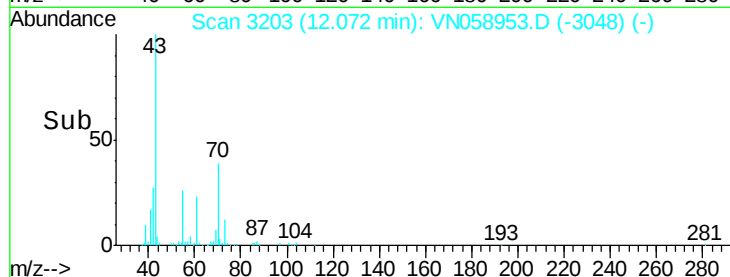
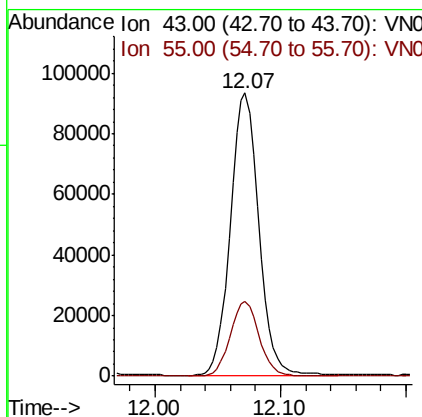
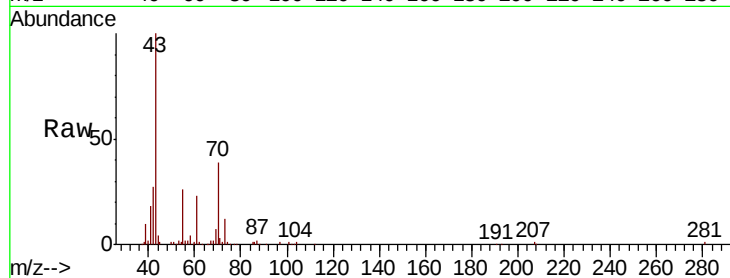
#47
n-amvl Acetate
Concen: 18.931 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion: 43 Resp: 146507
Ion Ratio Lower Upper
43 100
55 26.8 19.6 29.4

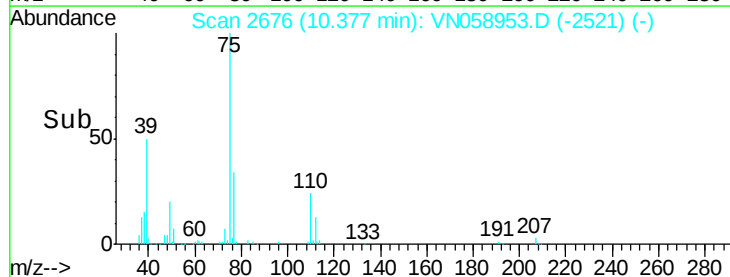
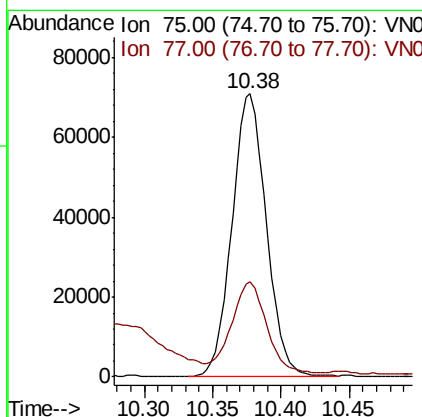
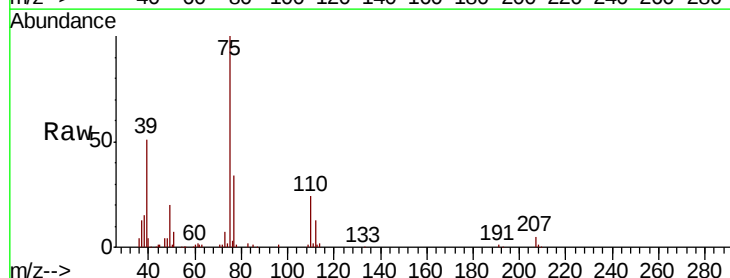
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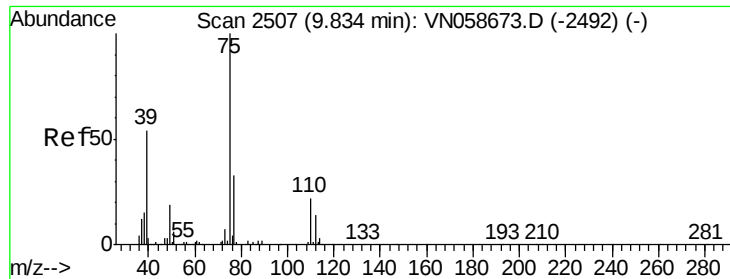
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 21.221 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion: 75 Resp: 124089
Ion Ratio Lower Upper
75 100
77 31.9 27.0 40.4





#49

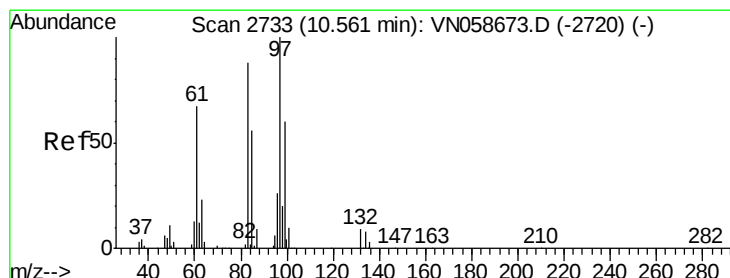
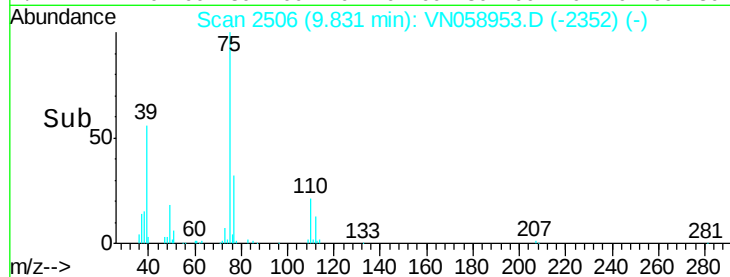
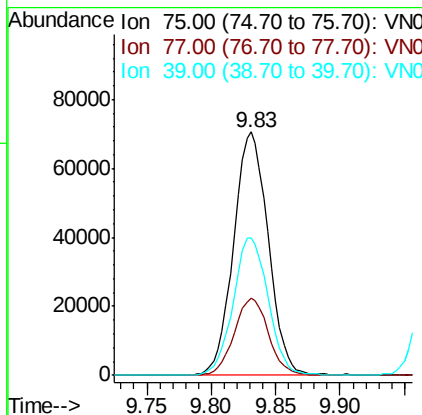
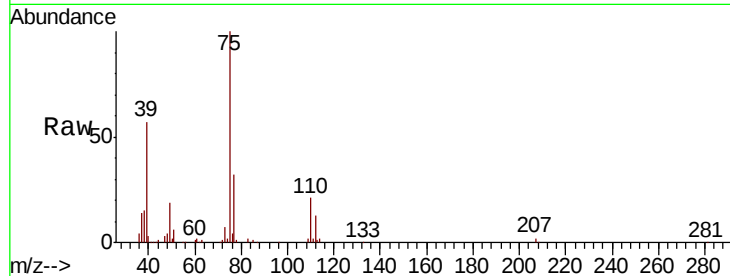
cis-1,3-Dichloropropene
Concen: 21.518 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion:	75	Resp:	132124
Ion Ratio	Lower	Upper	
75	100		
77	31.5	26.1	39.1
39	56.4	43.1	64.7

Manual Integrations
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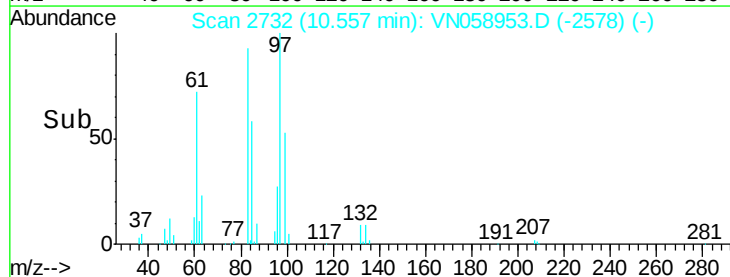
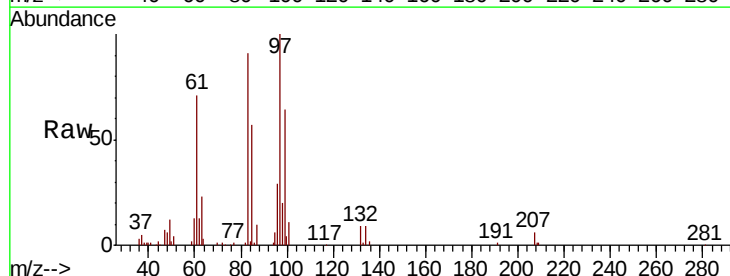
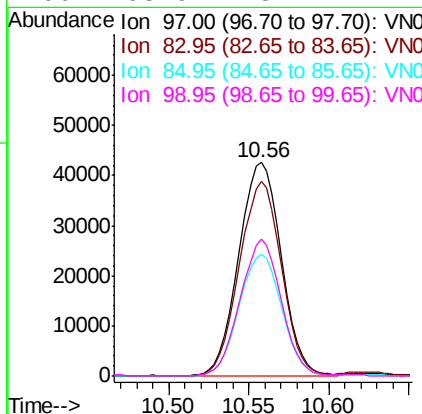
MMDadoda
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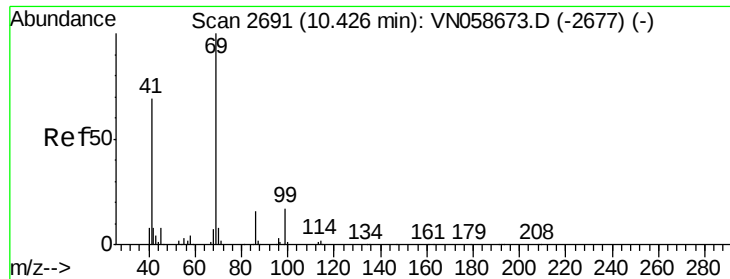


#50

1,1,2-Trichloroethane
Concen: 22.112 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion:	97	Resp:	77905
Ion Ratio	Lower	Upper	
97	100		
83	91.1	70.7	106.1
85	57.0	45.1	67.7
99	63.9	48.2	72.4





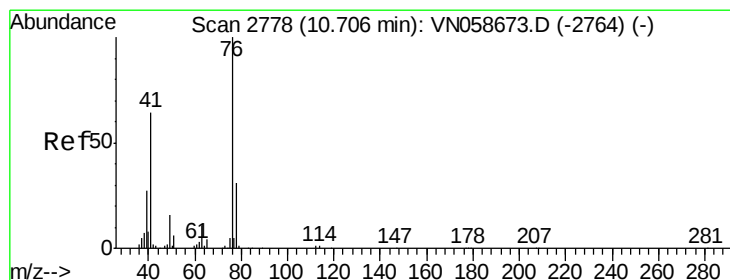
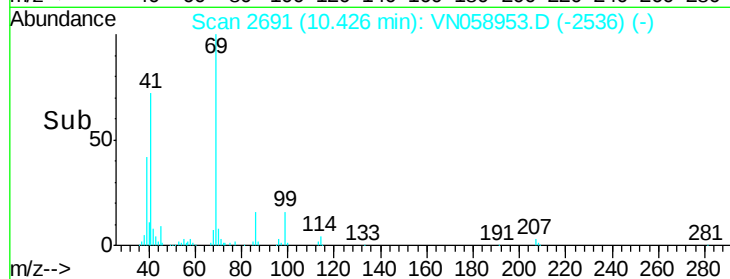
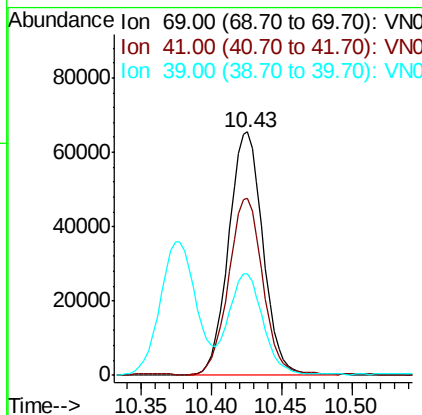
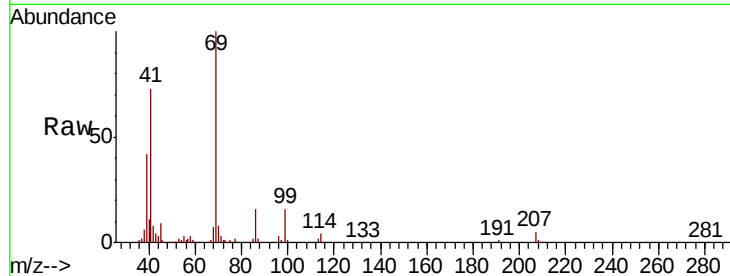
#51
Ethyl methacrylate
Concen: 19.817 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	72.1	34.7	104.1
39	41.2	20.3	60.8

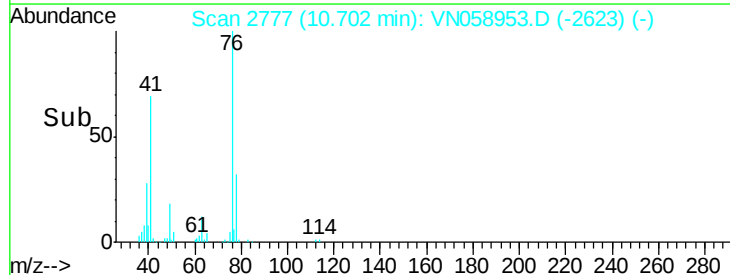
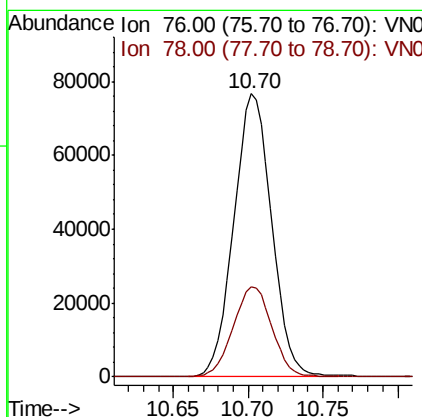
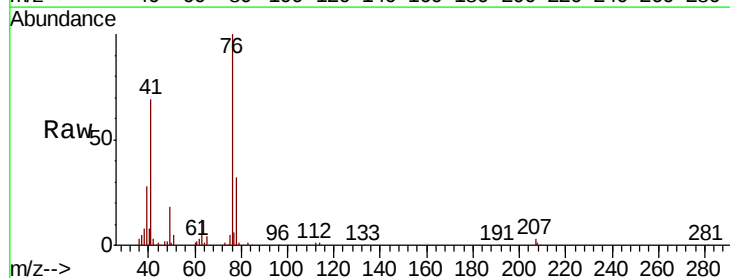
Manual Integrations
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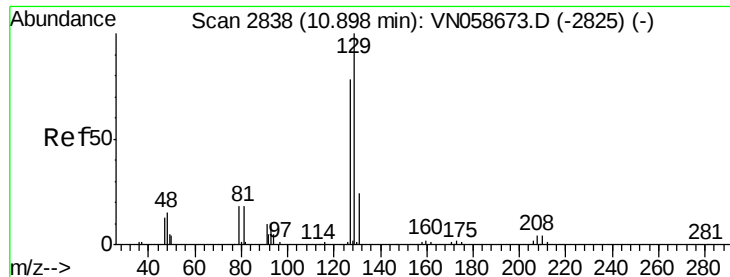
MMDadoda
10/25/2019 2:36:47 PM



#52
1,3-Dichloropropane
Concen: 21.544 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.2





#53

Dibromochloromethane

Concen: 21.696 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion:129 Resp: 82033

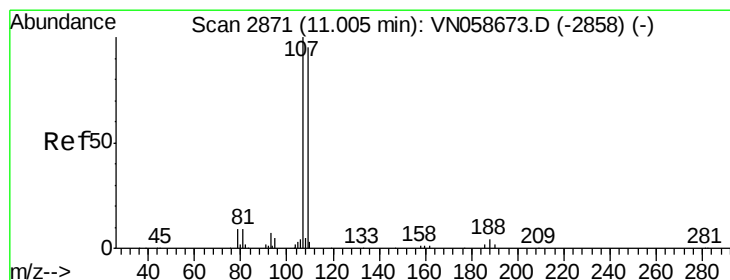
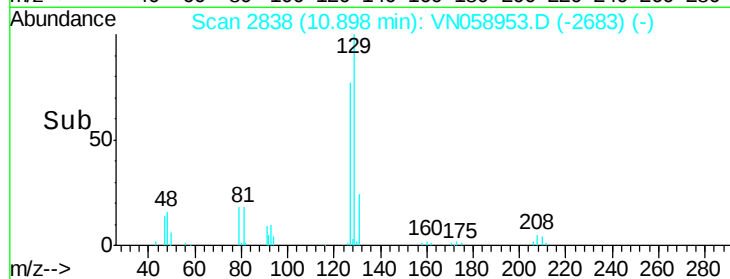
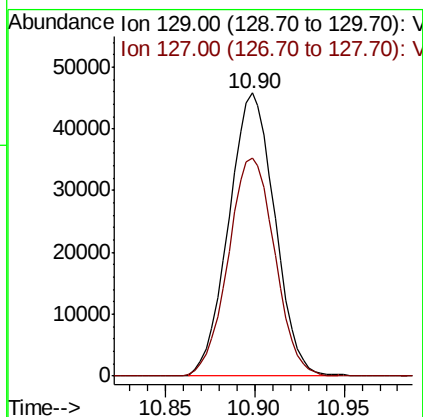
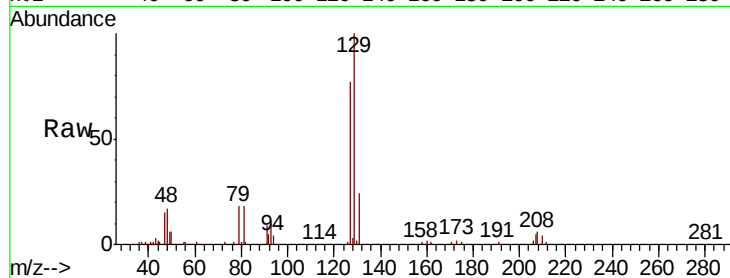
Ion Ratio Lower Upper

129 100

127 77.9 39.1 117.5

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 21.754 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058953.D

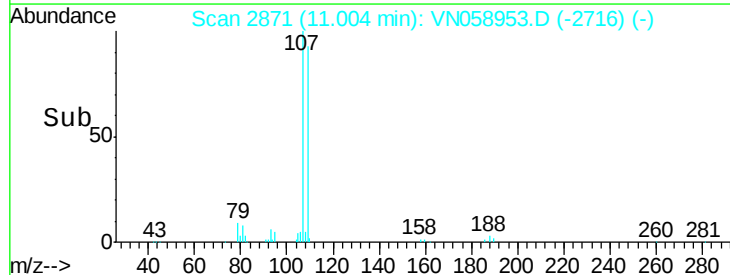
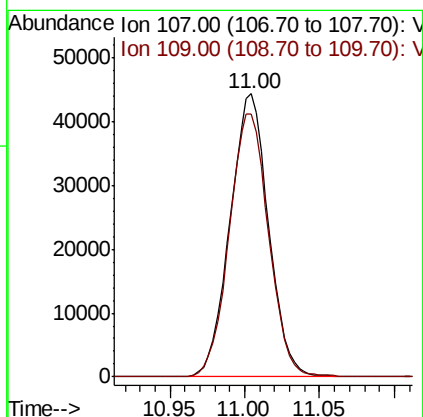
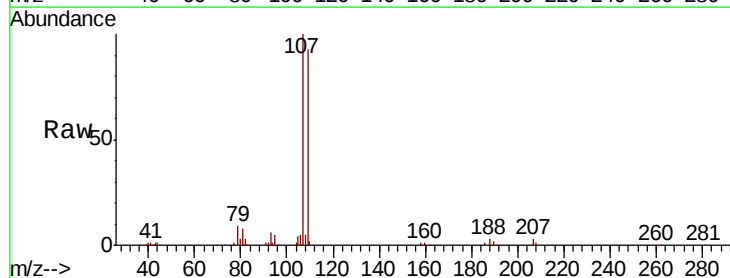
Acq: 24 Oct 2019 12:16

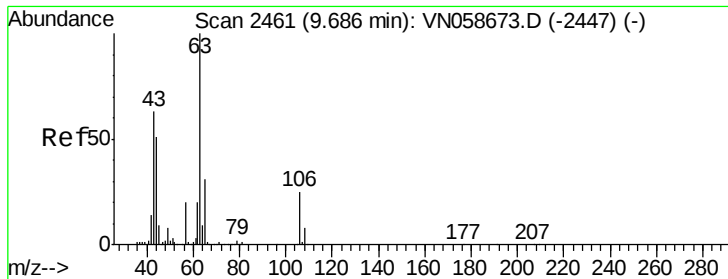
Tgt Ion:107 Resp: 79442

Ion Ratio Lower Upper

107 100

109 95.0 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 94.869 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 63 Resp: 265853

Ion Ratio Lower Upper

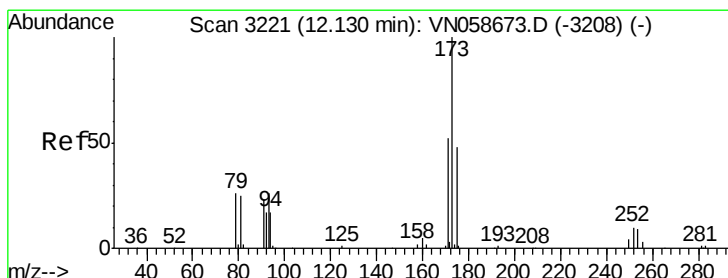
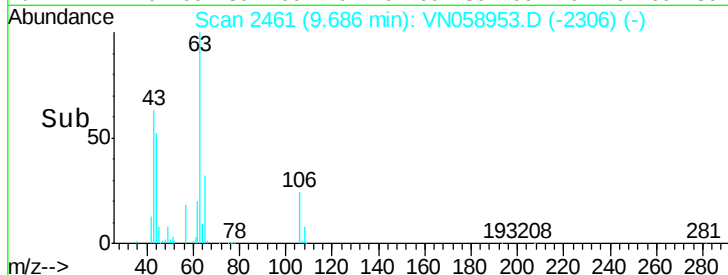
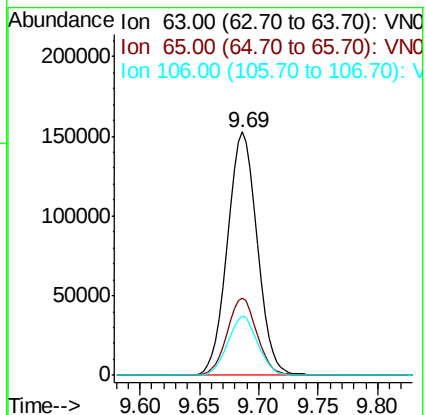
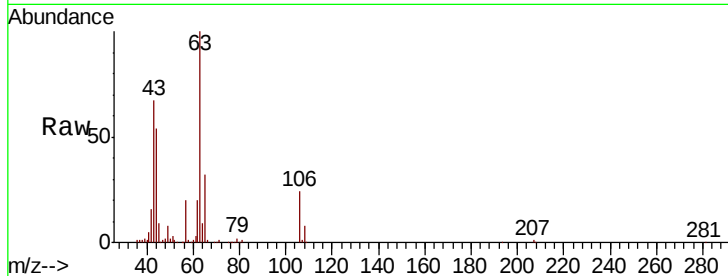
63 100

65 31.8 25.3 37.9

106 24.4 19.8 29.6

Manual Integrations
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#56

Bromoform

Concen: 22.144 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

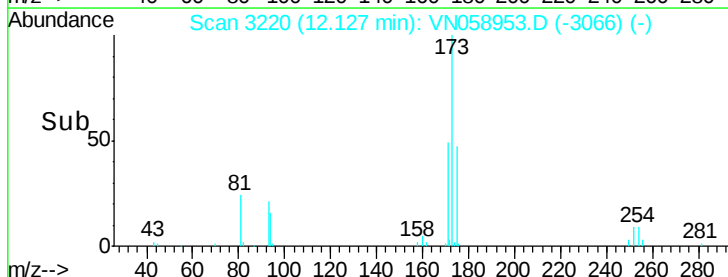
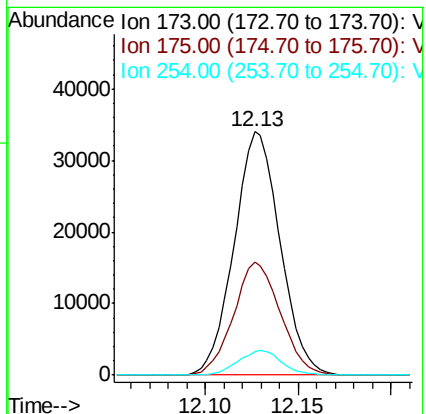
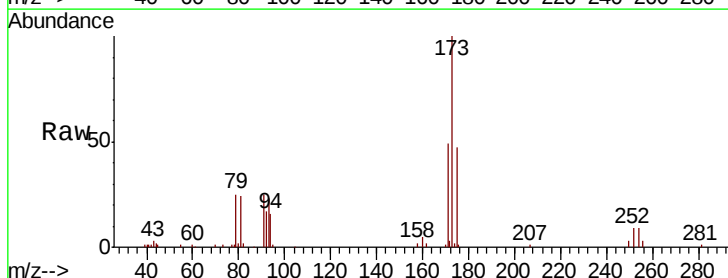
Tgt Ion: 173 Resp: 58326

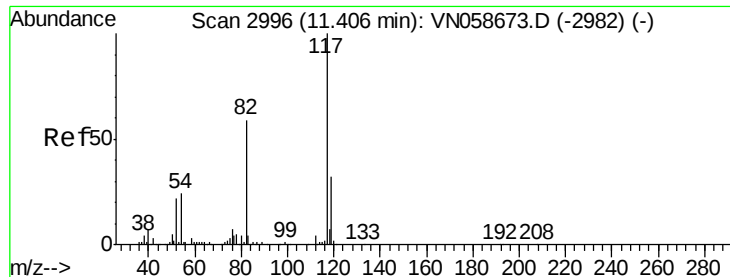
Ion Ratio Lower Upper

173 100

175 47.2 38.7 58.1

254 9.6 7.4 11.2





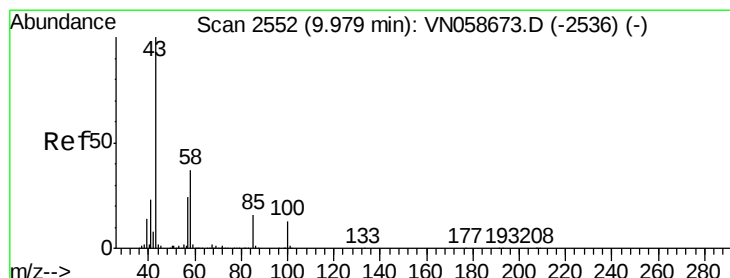
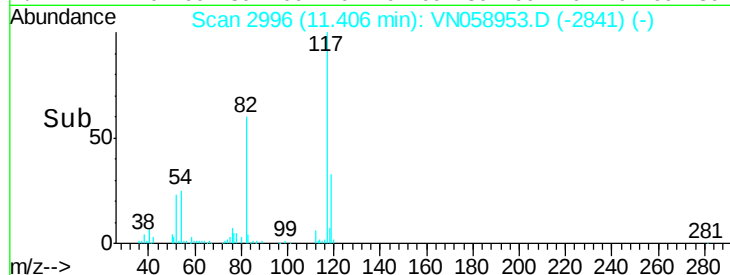
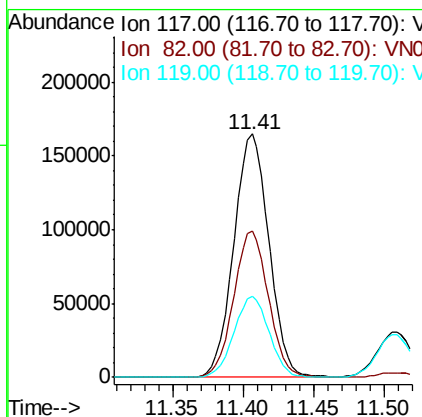
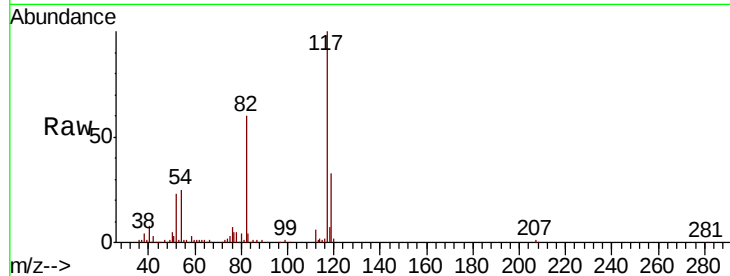
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	46.9	70.3
119	33.3	25.8	38.6

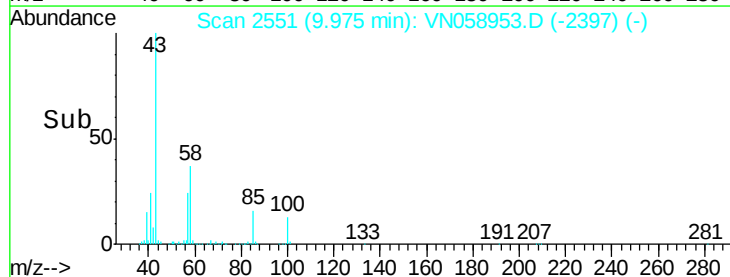
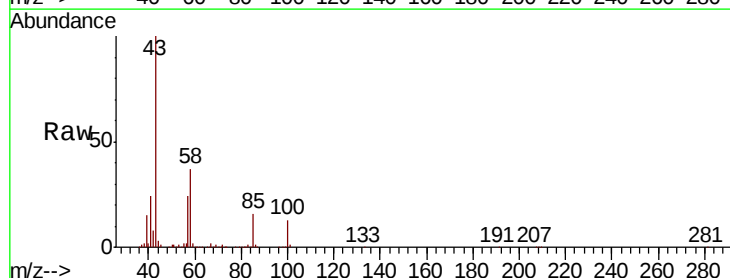
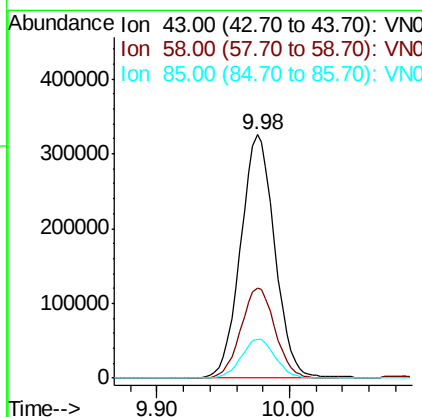
Manual Integrations
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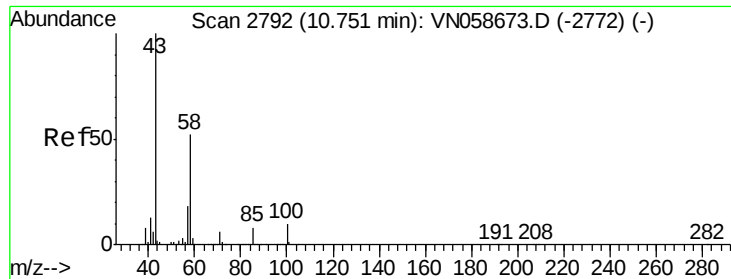
MMDadoda
10/25/2019 2:36:47 PM



#58
4-Methyl-2-Pentanone
Concen: 110.170 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.1	45.1
85	15.9	13.2	19.8





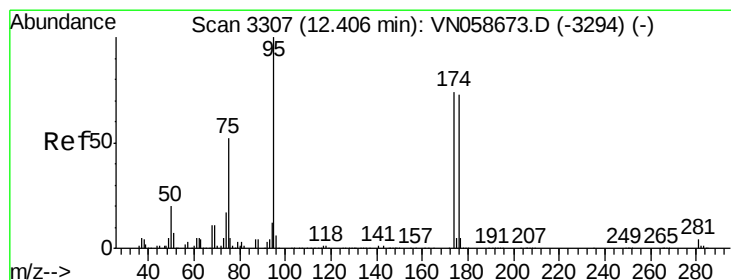
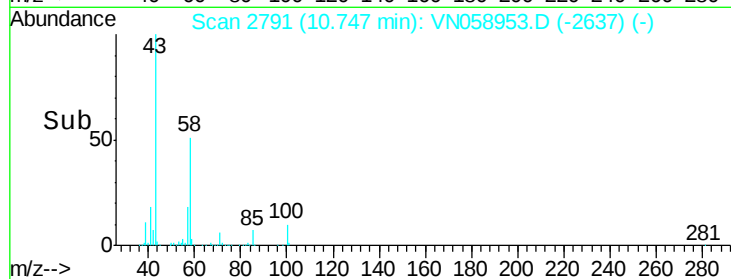
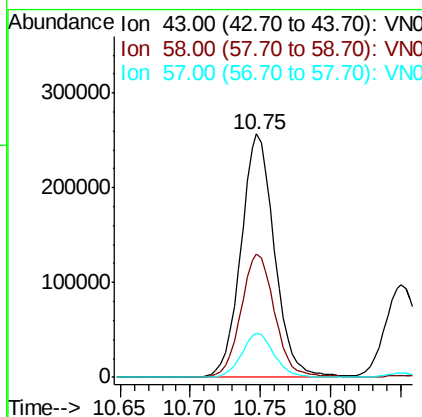
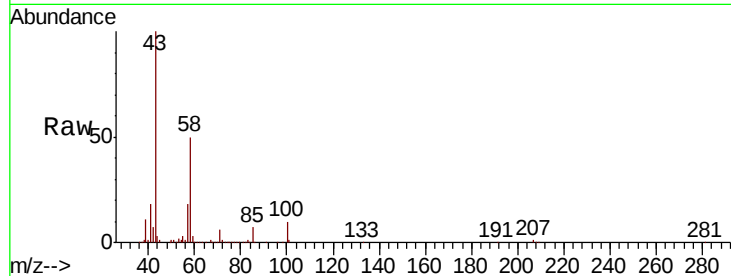
#59
2-Hexanone
Concen: 103.263 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.4	62.0
57	17.9	14.7	22.1

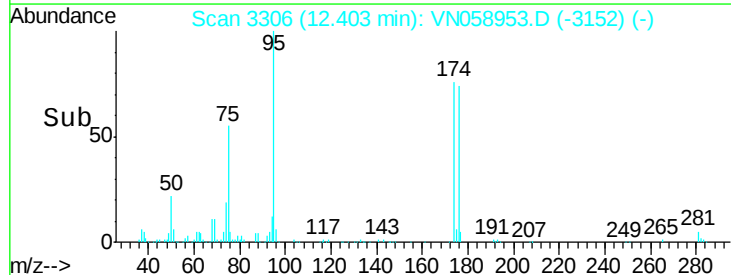
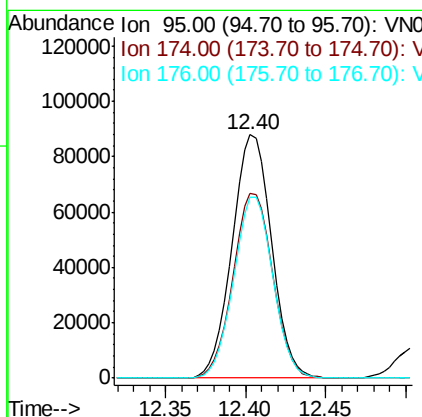
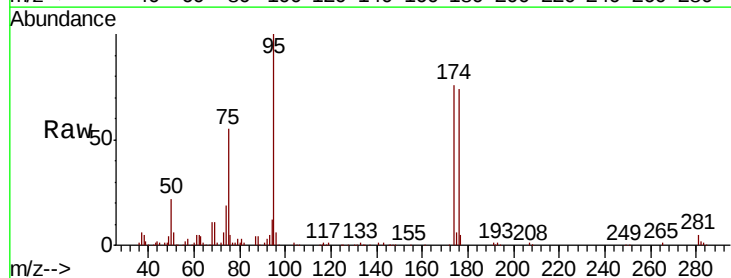
Manual Integrations
APPROVED

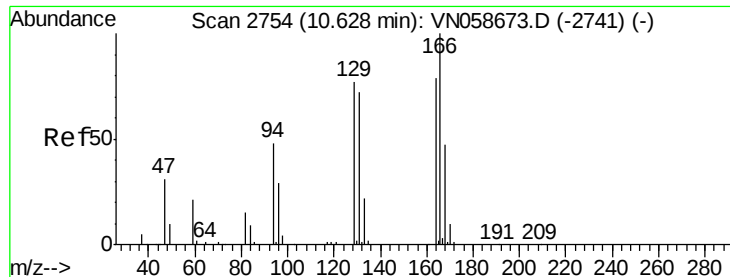
MMDadoda
10/25/2019 2:36:47 PM



#60
4-Bromofluorobenzene
Concen: 29.344 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	59.9	89.9
176	73.8	58.3	87.5





#61

Tetrachloroethene

Concen: 22.011 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion:164 Resp: 68569

Ion Ratio Lower Upper

164 100

166 124.7 101.4 152.2

129 95.1 78.1 117.1

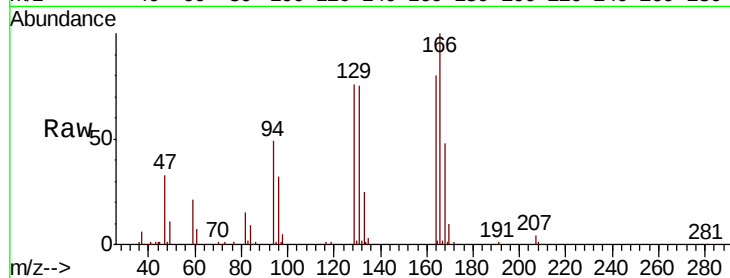
131 93.3 73.2 109.8

Manual Integrations

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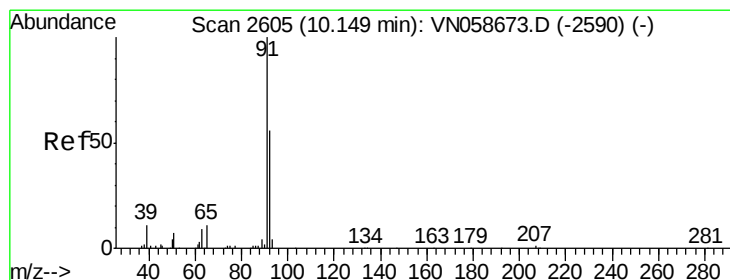
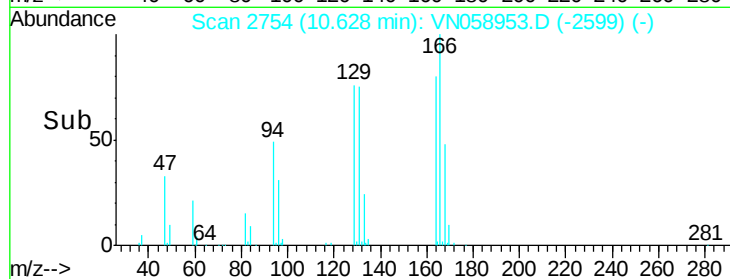
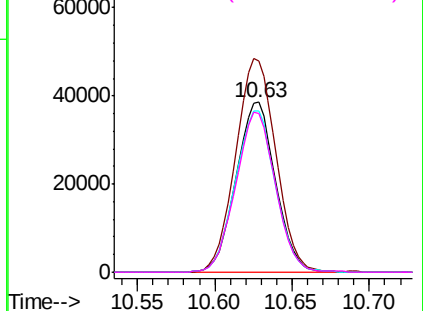


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.632 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058953.D

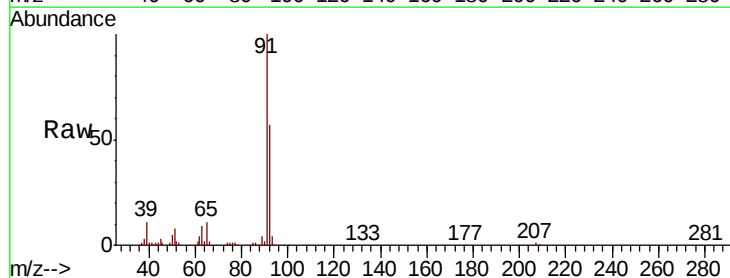
Acq: 24 Oct 2019 12:16

Tgt Ion: 91 Resp: 335445

Ion Ratio Lower Upper

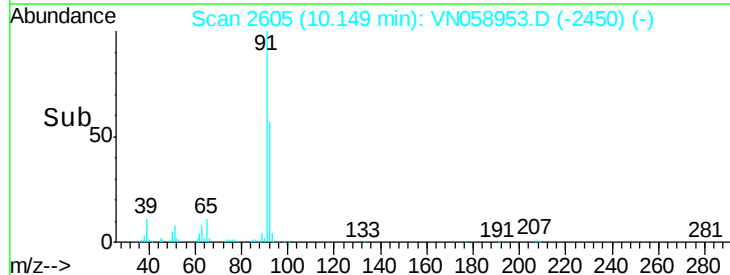
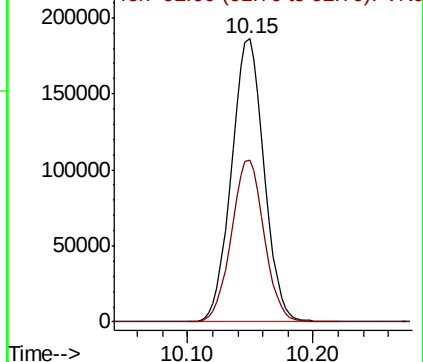
91 100

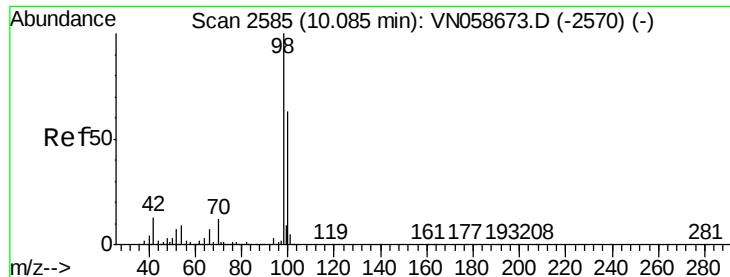
92 57.3 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.881 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 98 Resp: 420328

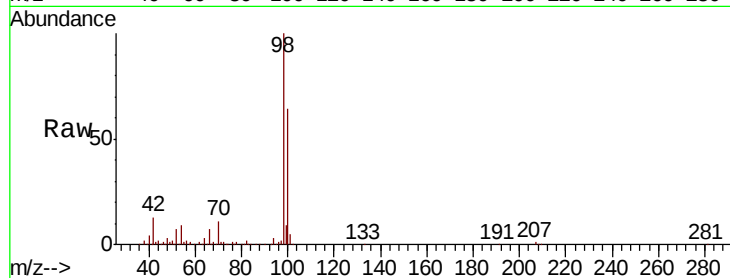
Ion Ratio Lower Upper

98 100

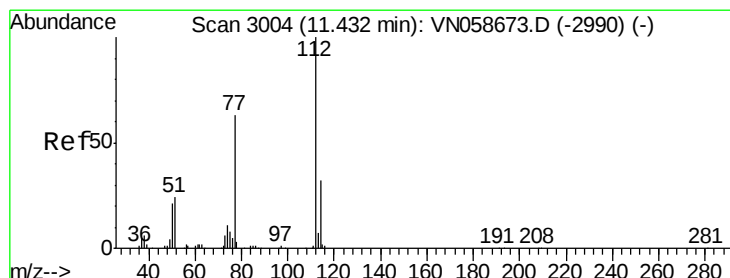
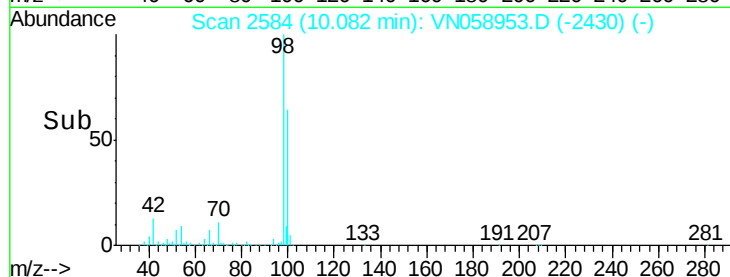
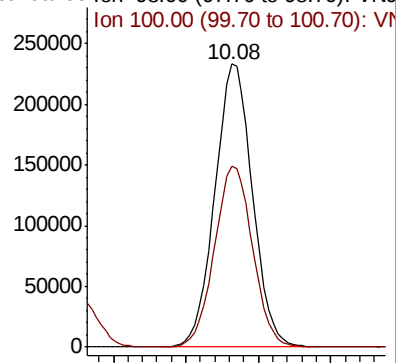
100 64.8 50.6 75.8

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Abundance Ion 98.00 (97.70 to 98.70): VN058673.D (-2570) (-)



#64

Chlorobenzene

Concen: 21.205 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058953.D

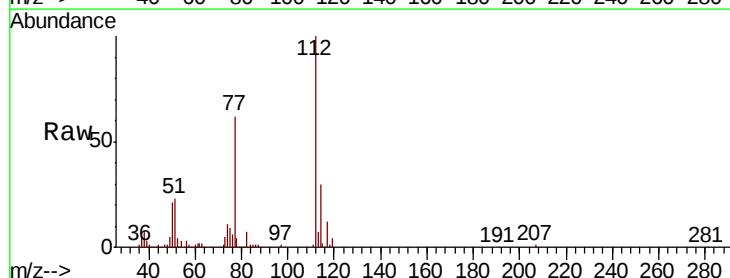
Acq: 24 Oct 2019 12:16

Tgt Ion: 112 Resp: 201029

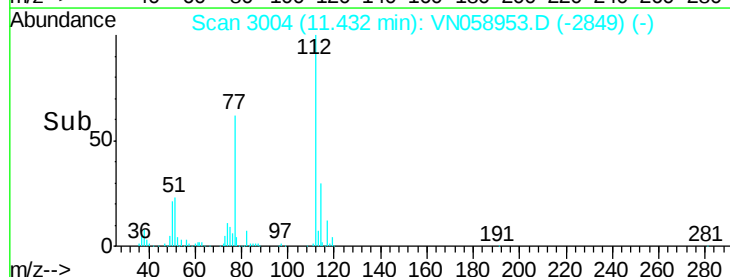
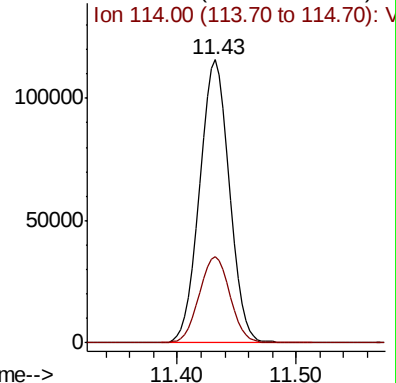
Ion Ratio Lower Upper

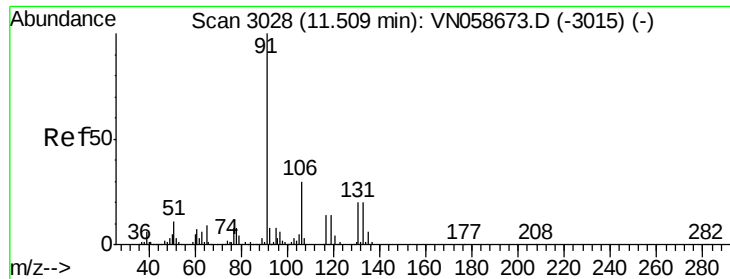
112 100

114 30.4 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN058673.D (-2990) (-)





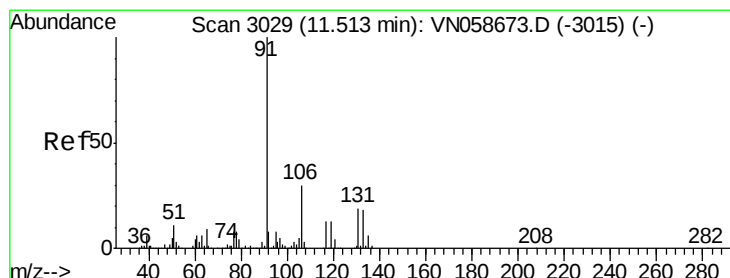
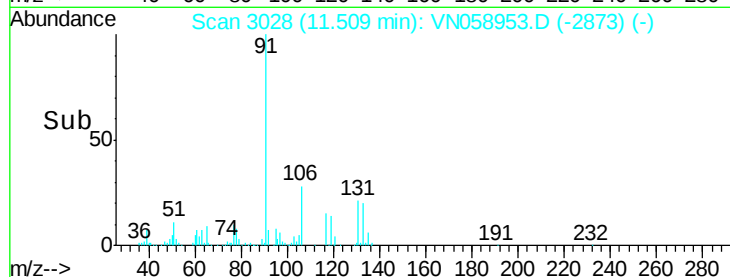
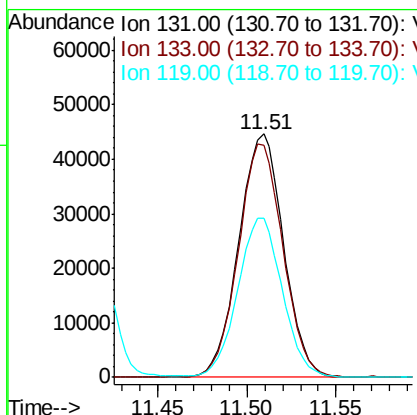
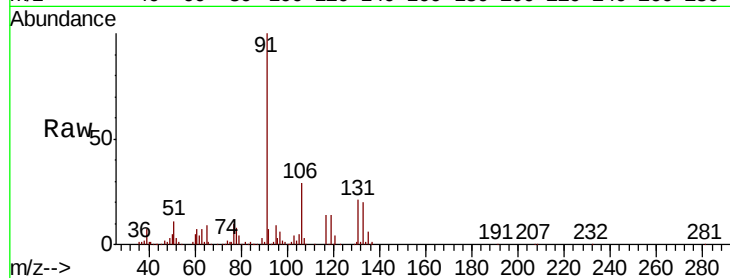
#65
1,1,1,2-Tetrachloroethane
Concen: 22.027 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.9	0.0	194.0
119	65.4	0.0	136.8

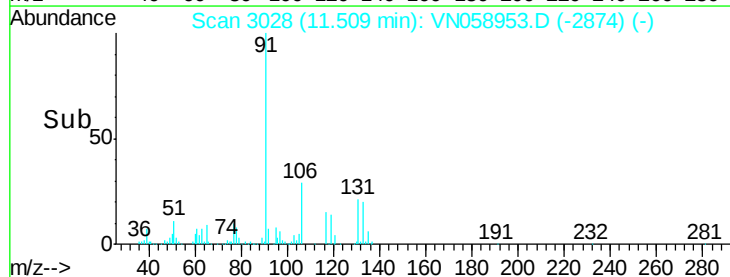
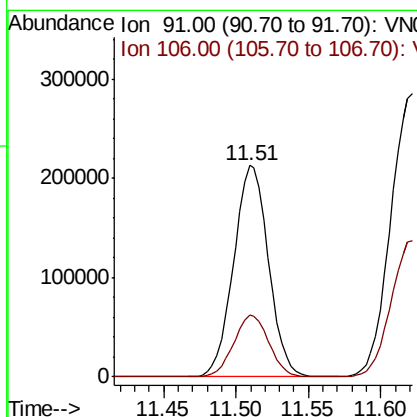
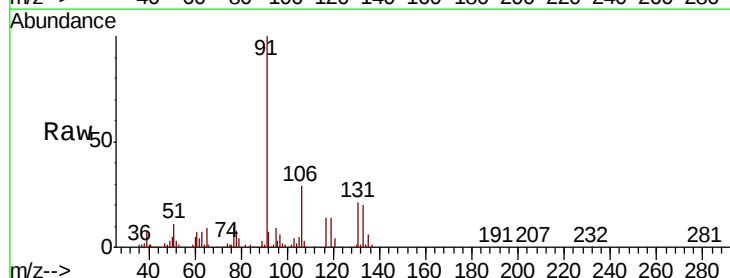
Manual Integrations
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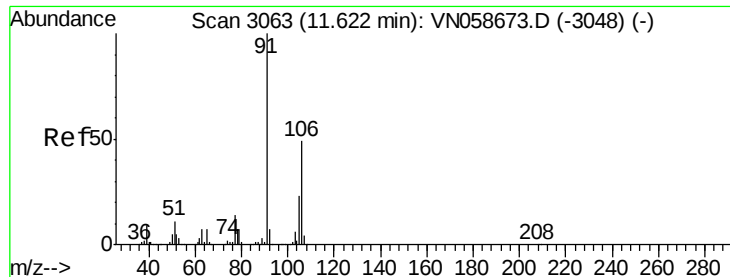
MMDadoda
10/25/2019 2:36:47 PM



#66
Ethyl Benzene
Concen: 20.701 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.2	36.4





#67

m/p-Xylenes

Concen: 41.262 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion:106 Resp: 264694

Ion Ratio Lower Upper

106 100

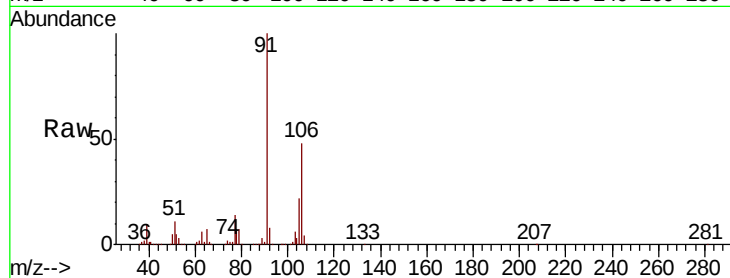
91 207.3 165.6 248.4

Manual Integrations

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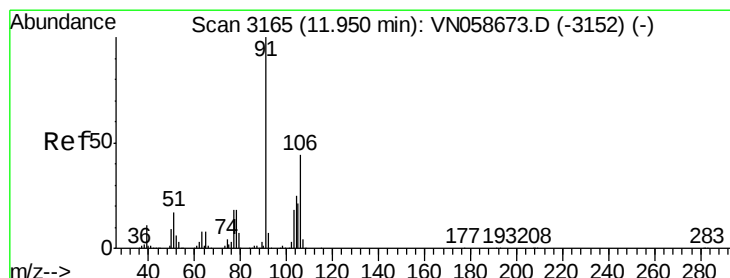
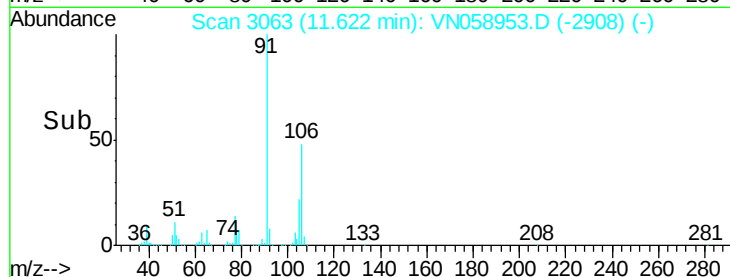
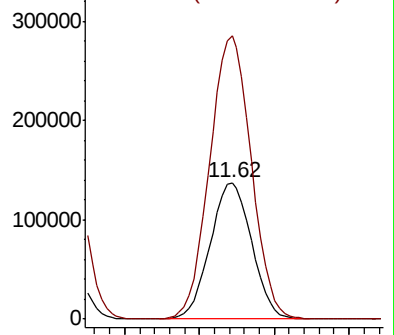
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.149 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.00 min

Lab File: VN058953.D

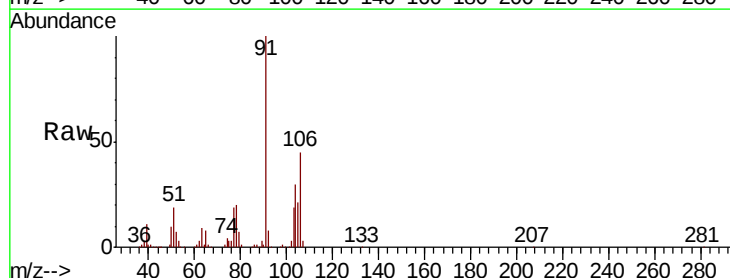
Acq: 24 Oct 2019 12:16

Tgt Ion:106 Resp: 125301

Ion Ratio Lower Upper

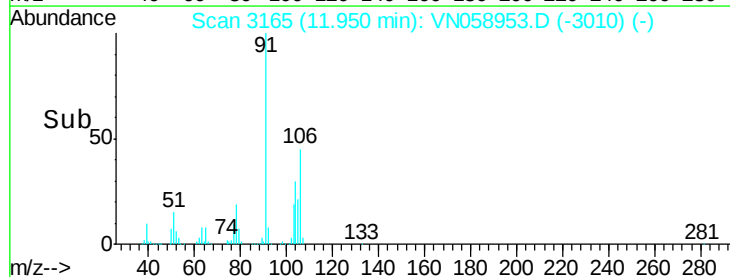
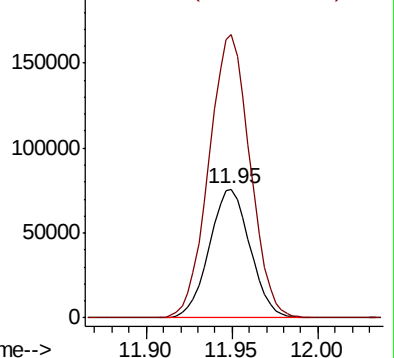
106 100

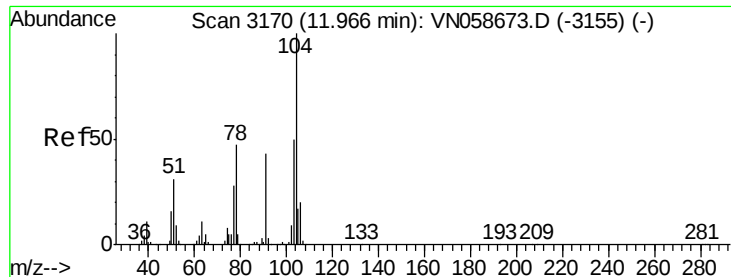
91 221.8 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





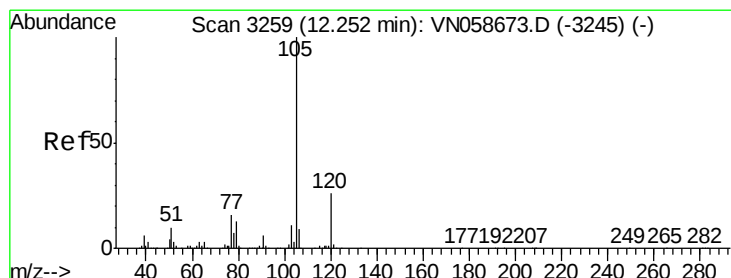
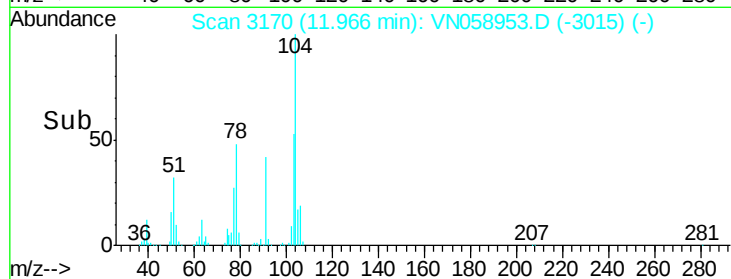
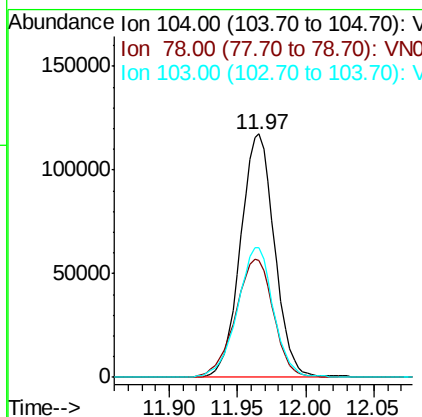
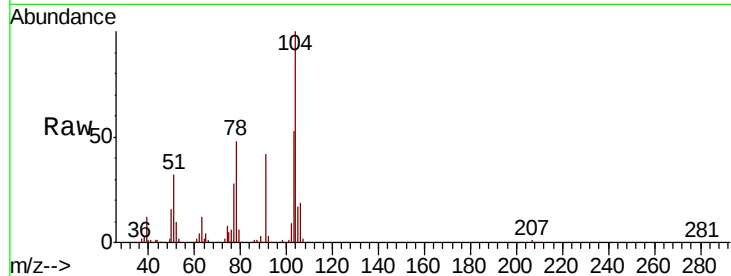
#69
Stvrene
Concen: 19.812 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.3	42.4	63.6
103	56.5	44.6	66.8

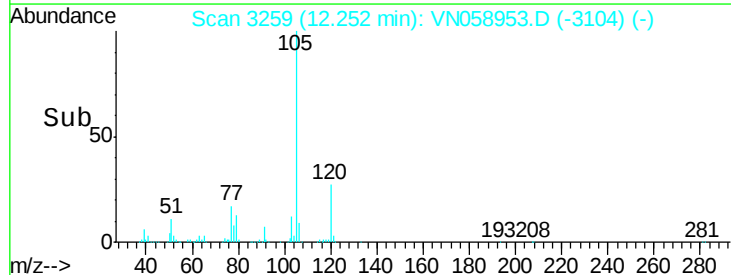
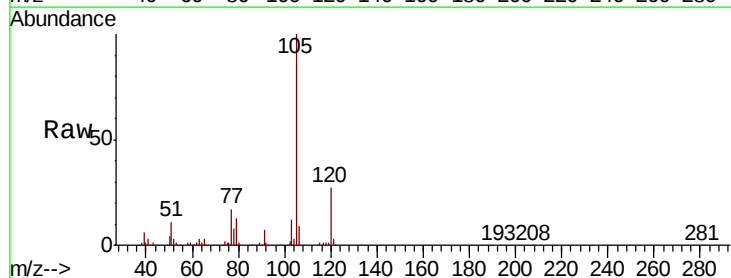
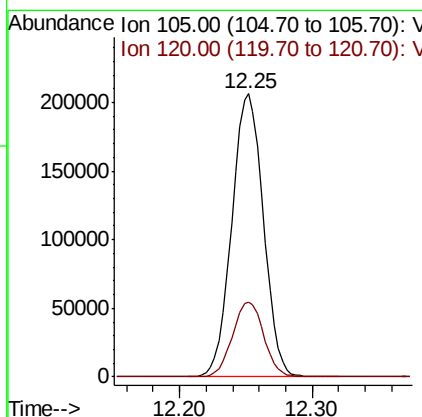
Manual Integrations
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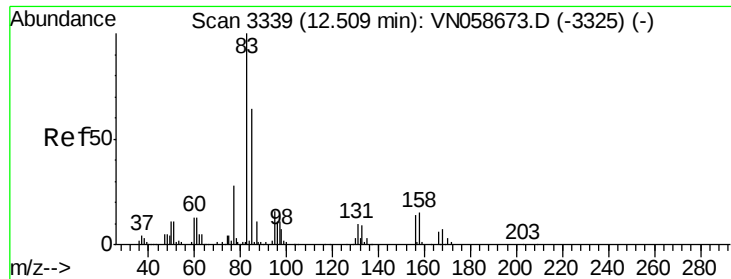
MMDadoda
10/25/2019 2:36:47 PM



#70
Isopropylbenzene
Concen: 20.273 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.4	34.2





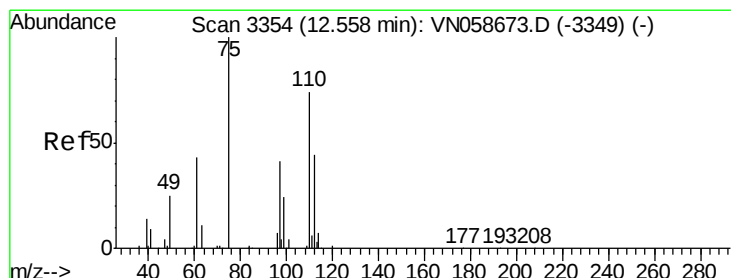
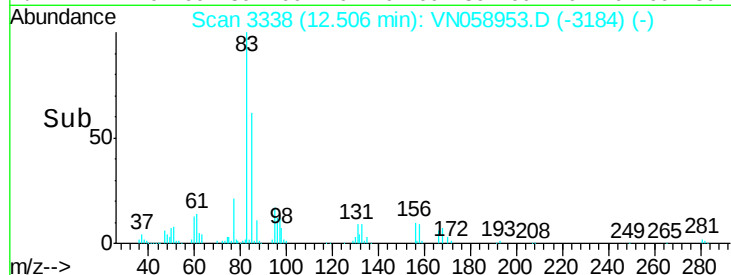
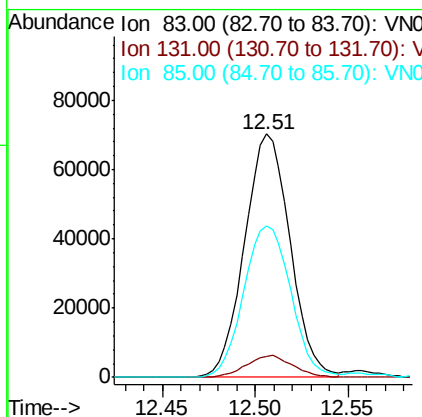
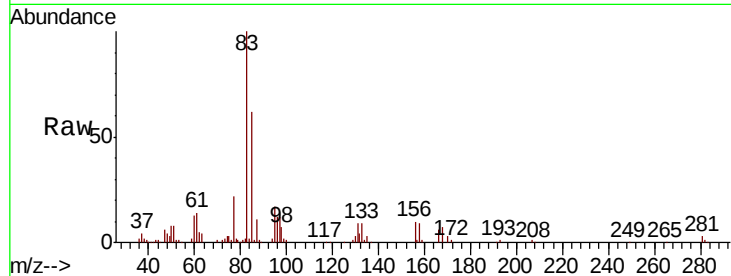
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.209 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	119880		
131	9.2	4.9	14.7	
85	64.4	31.6	94.7	

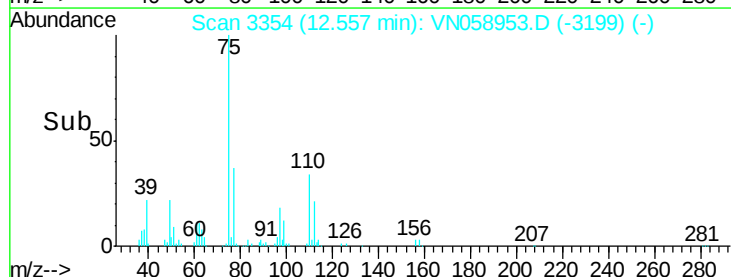
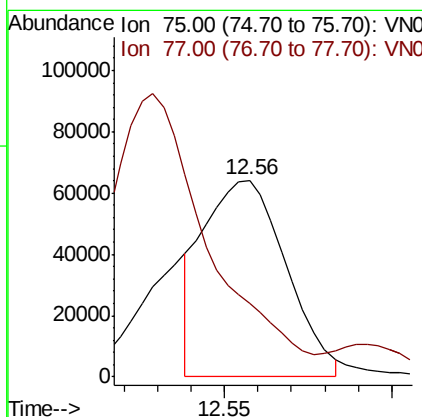
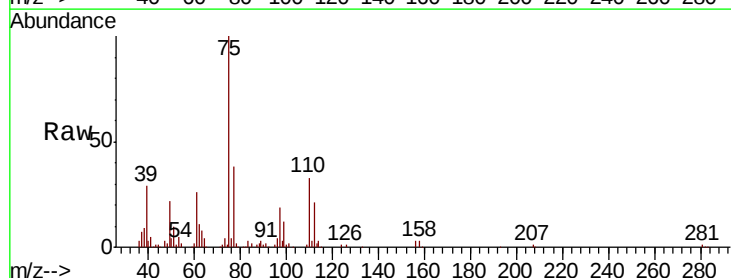
Manual Integrations
 APPROVED

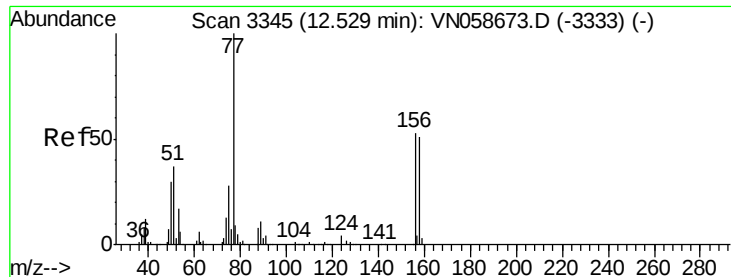
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#72
 1,2,3-Trichloropropane
 Concen: 21.518 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	110209		
77	176.5	0.0	359.4	





#73

Bromobenzene

Concen: 20.299 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

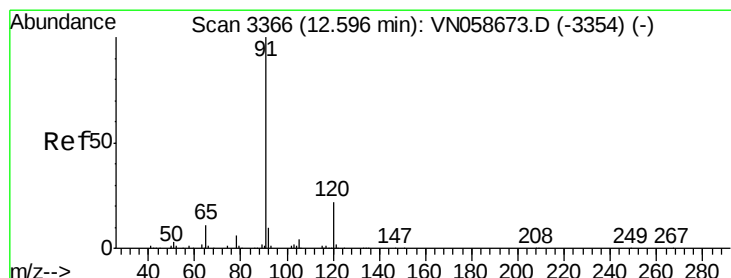
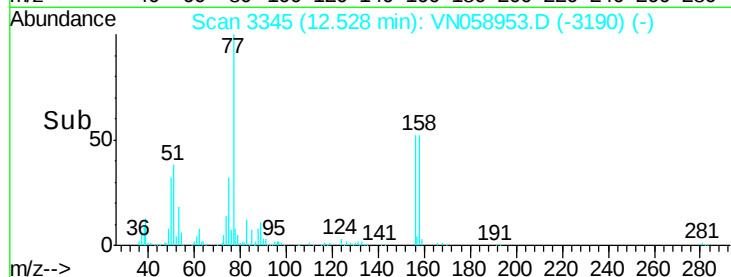
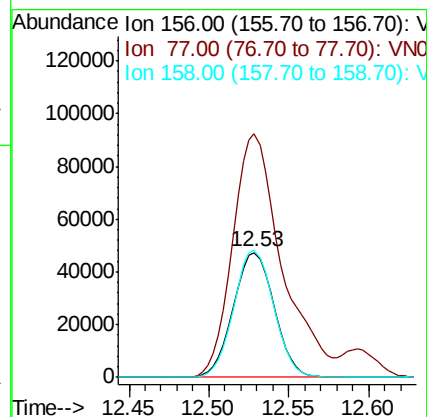
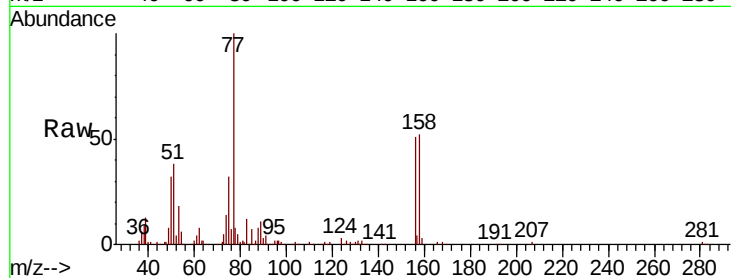
ClientSampleId :

VN1025WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		82784		
77	234.9	0.0	456.0		
158	99.0	0.0	195.4		

Manual Integrations
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#74

n-propylbenzene

Concen: 20.918 ug/l

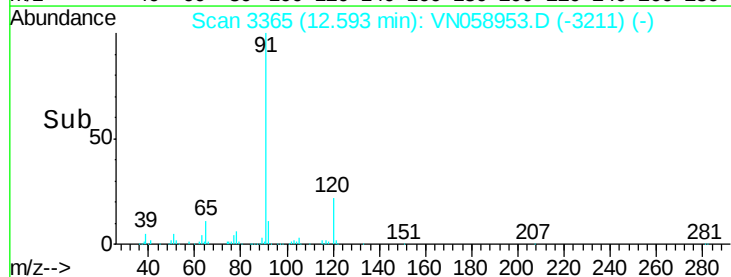
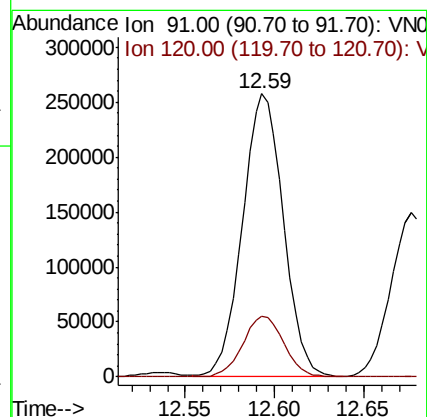
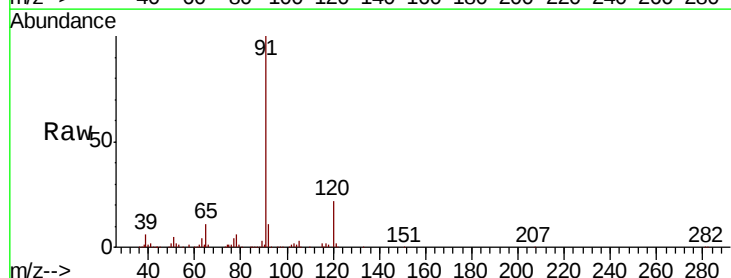
RT: 12.59 min Scan# 3365

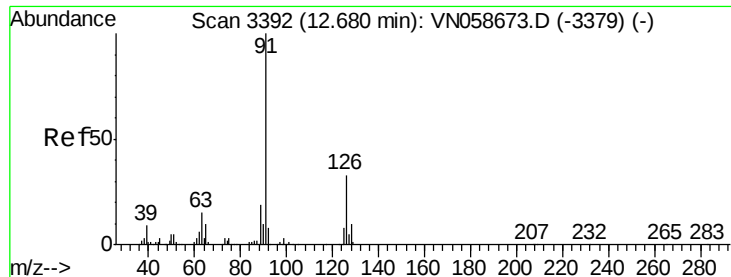
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		411100		
120	21.6	0.0	43.6		





#75

2-Chlorotoluene

Concen: 20.740 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

ClientSampleId :

VN1025WBS01

Tot Ion: 91 Resp: 245232

Ion Ratio Lower Upper

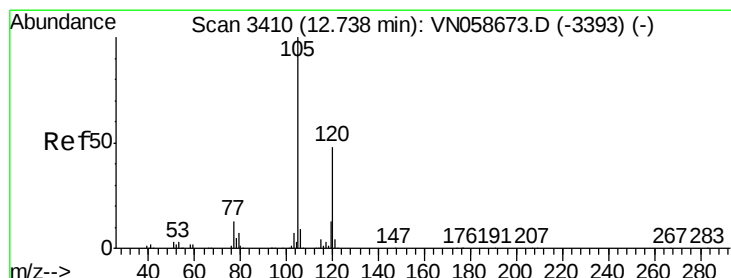
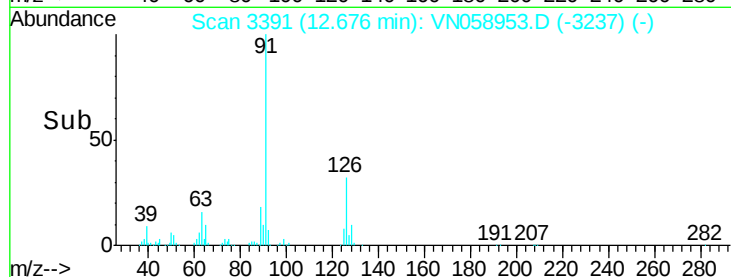
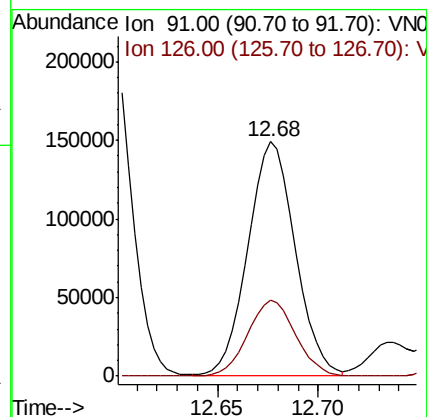
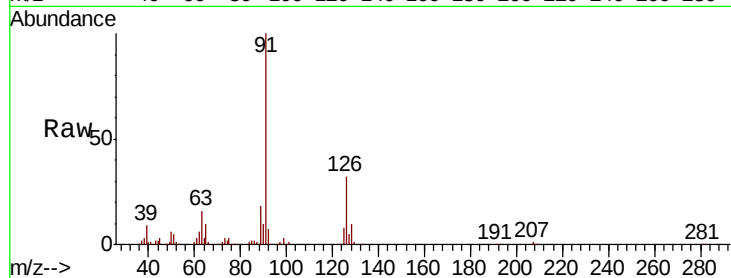
91 100

126 32.8 0.0 65.4

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#76

1,3,5-Trimethylbenzene

Concen: 20.465 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058953.D

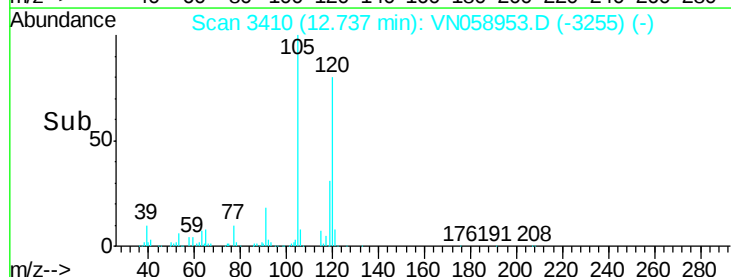
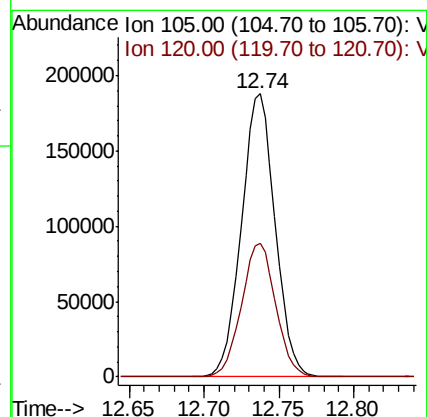
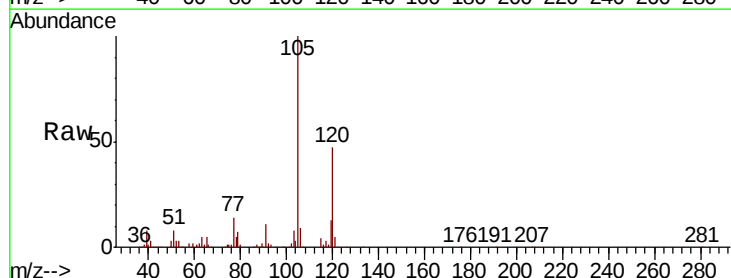
Acq: 24 Oct 2019 12:16

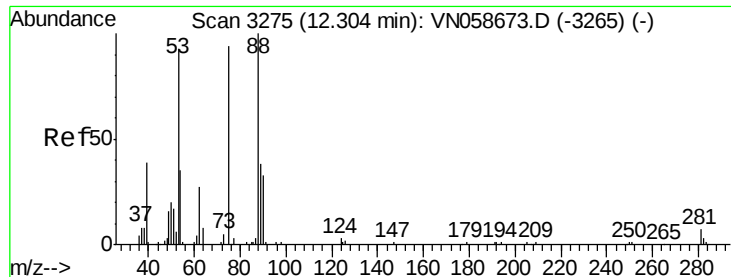
Tgt Ion: 105 Resp: 294301

Ion Ratio Lower Upper

105 100

120 47.8 0.0 94.0





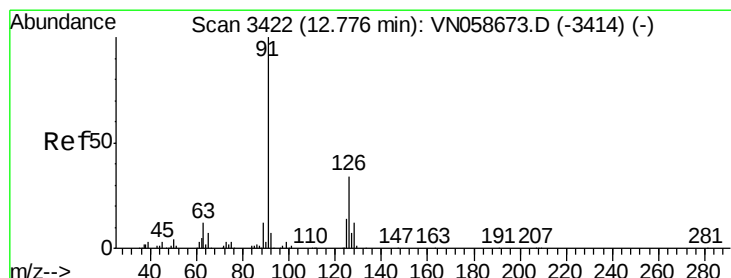
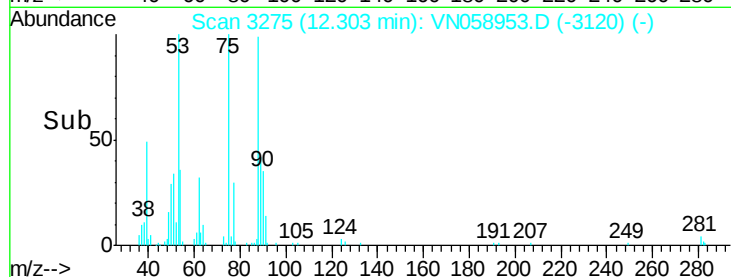
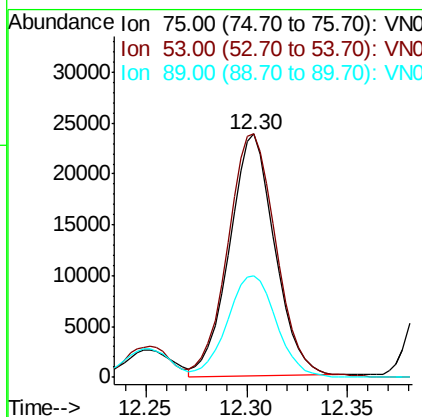
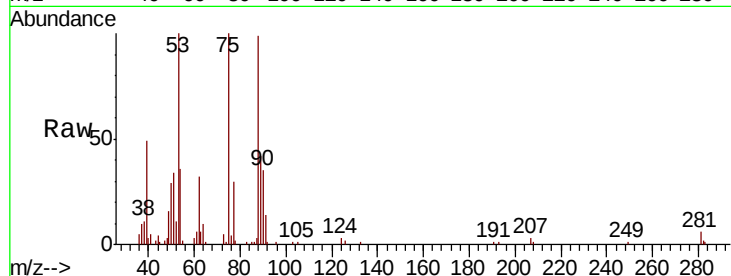
#77
t-1,4-Dichloro-2-butene
Concen: 19.113 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	50.0	150.0
89	42.1	20.7	62.1

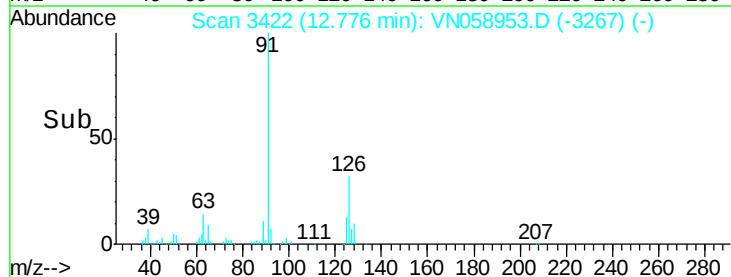
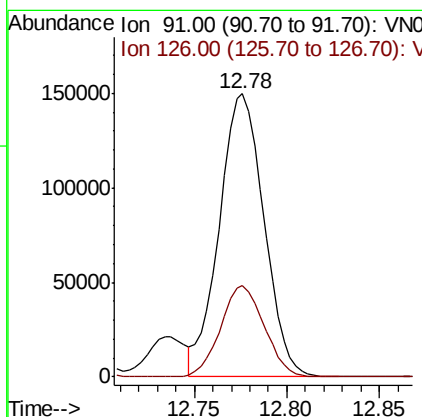
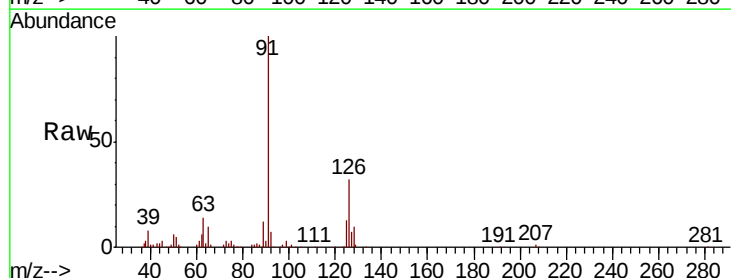
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#78
4-Chlorotoluene
Concen: 20.481 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	0.0	63.4





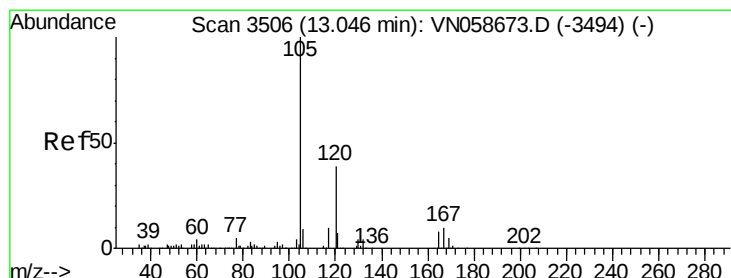
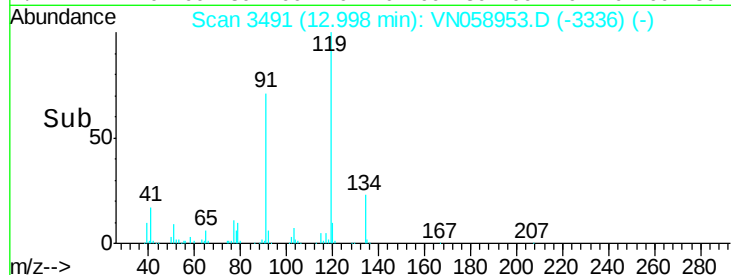
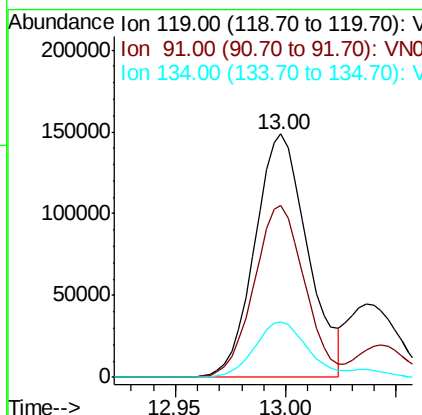
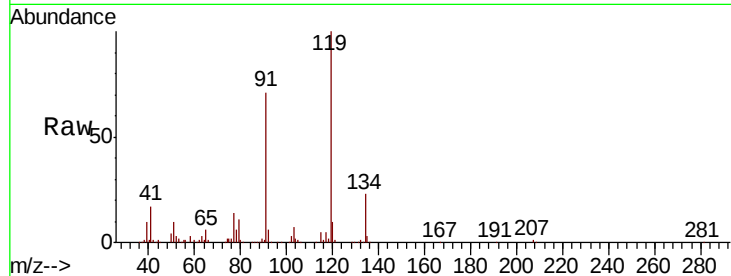
#79
tert-butylbenzene
Concen: 20.095 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	246891		
91	67.5	0.0	136.4	
134	22.5	0.0	47.2	

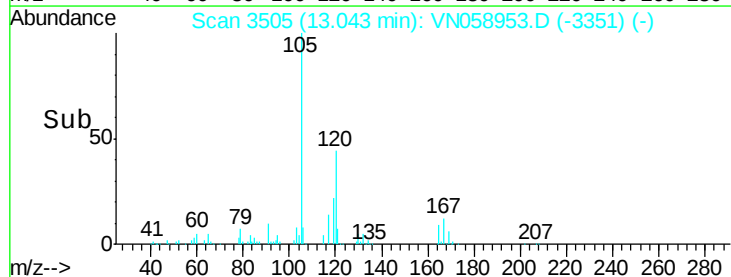
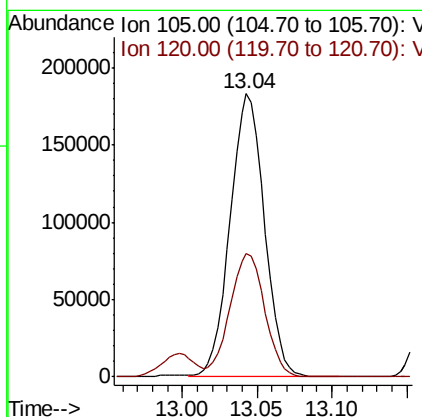
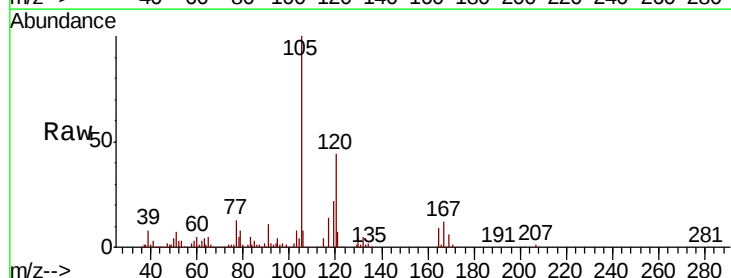
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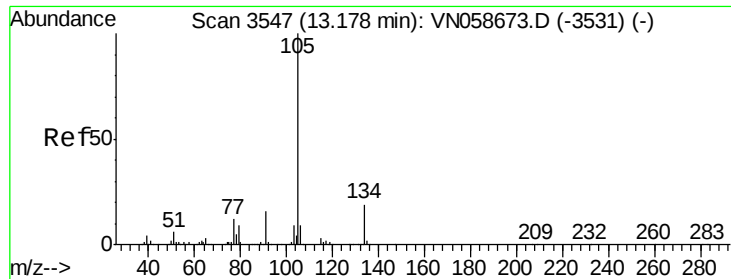
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#80
1,2,4-Trimethylbenzene
Concen: 20.477 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	292601		
120	44.3	0.0	89.2	





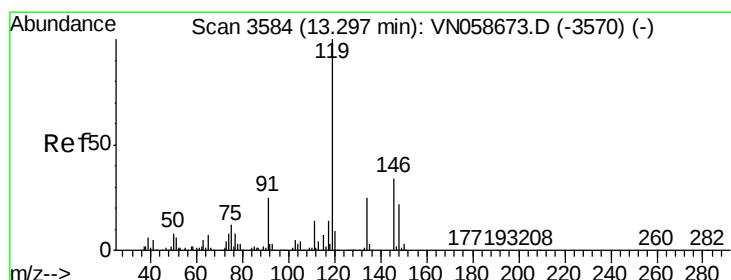
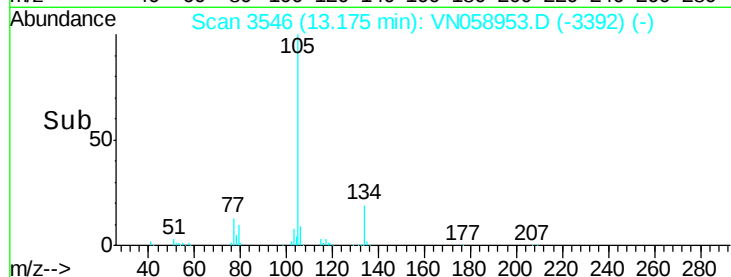
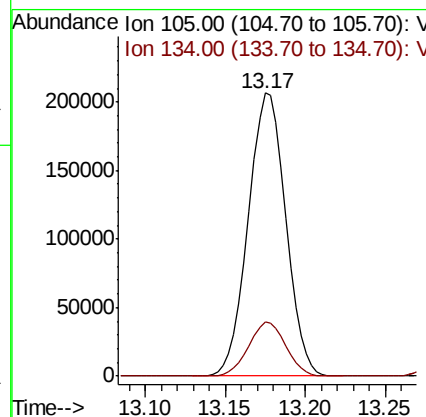
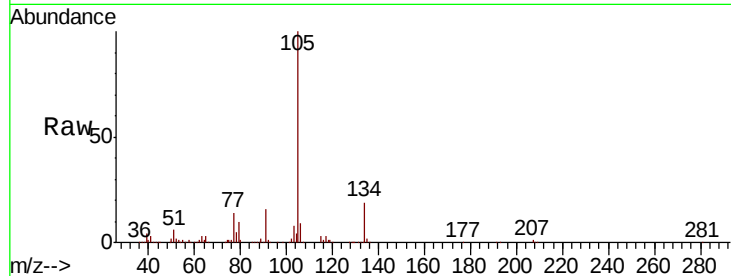
#81
 sec-Butylbenzene
 Concen: 20.026 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	331116		
134	18.9	0.0	38.0	

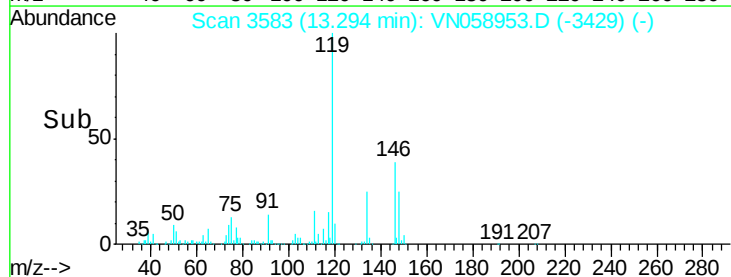
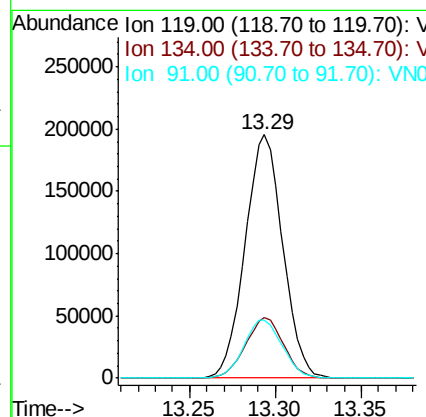
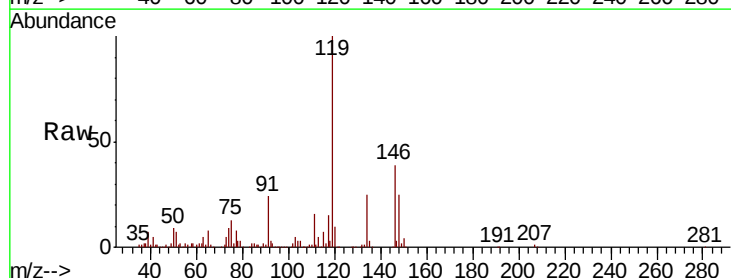
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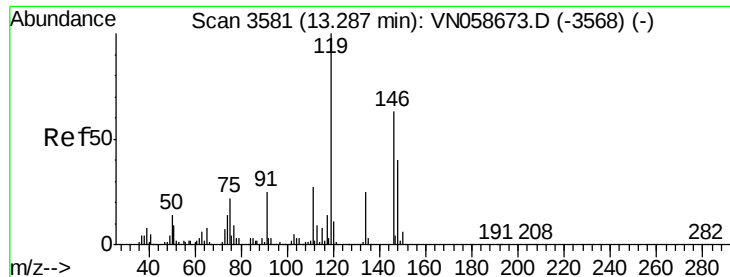
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#82
 p-Isopropyltoluene
 Concen: 19.871 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	295039		
134	25.1	0.0	50.8	
91	24.7	0.0	49.4	





#83

1,3-Dichlorobenzene

Concen: 20.288 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

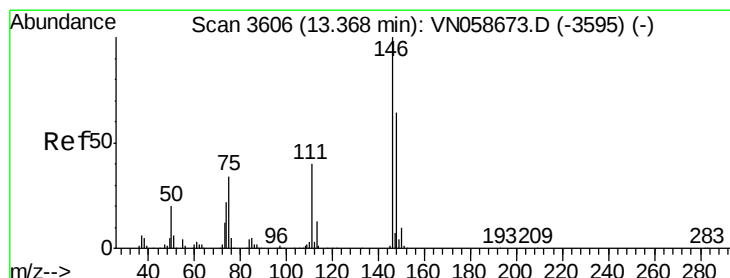
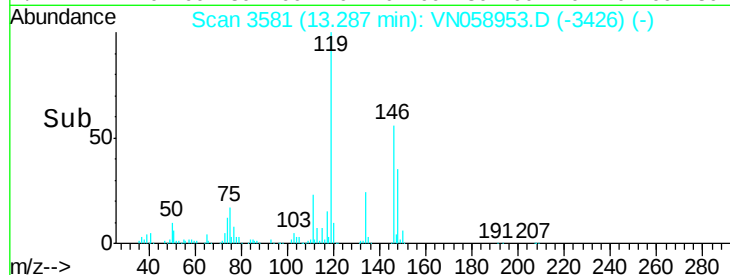
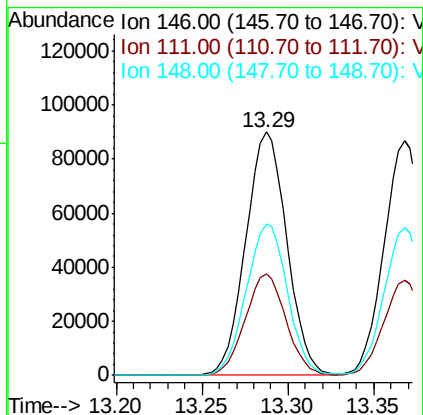
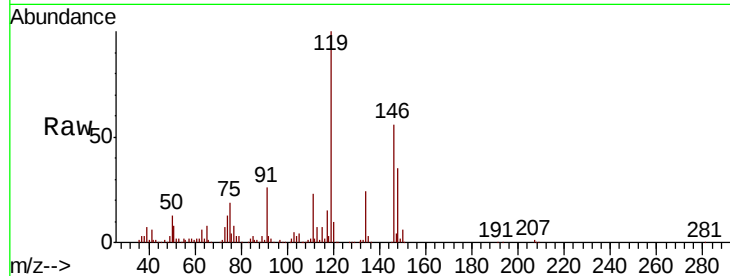
ClientSampleId :

VN1025WBS01

Tot Ion:	146	Resp:	149718
Ion Ratio	Lower	Upper	
146	100		
111	41.3	21.0	63.0
148	62.3	31.7	95.1

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#84

1,4-Dichlorobenzene

Concen: 19.170 ug/l

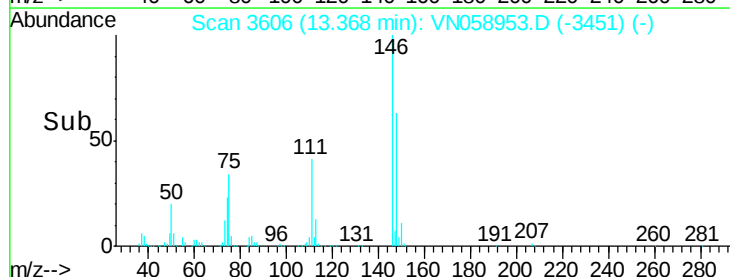
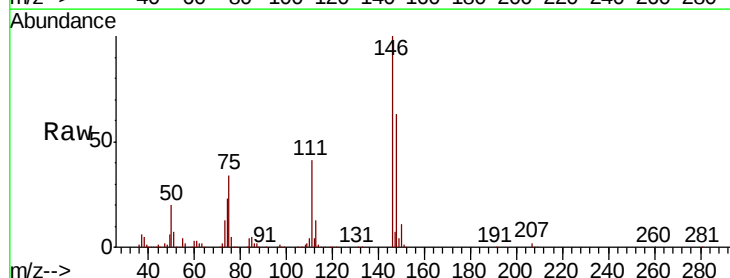
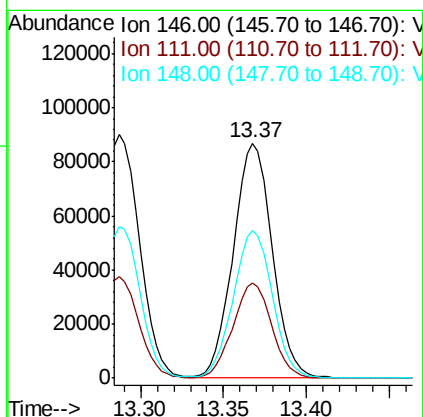
RT: 13.37 min Scan# 3606

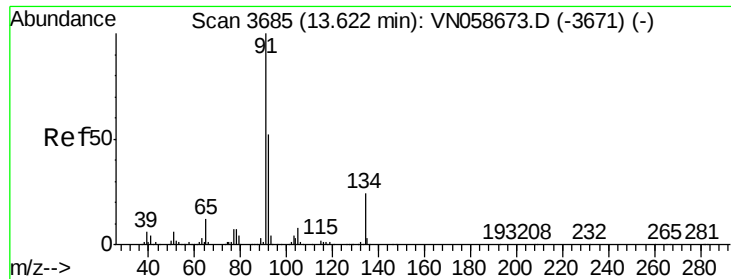
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	146	Resp:	141306
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.8	59.4
148	62.9	31.6	94.8





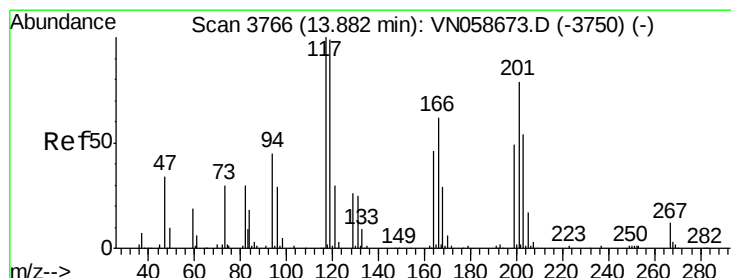
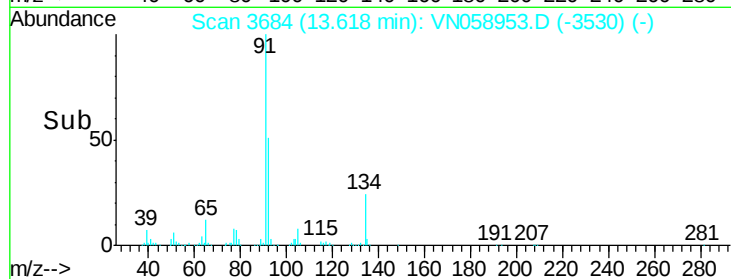
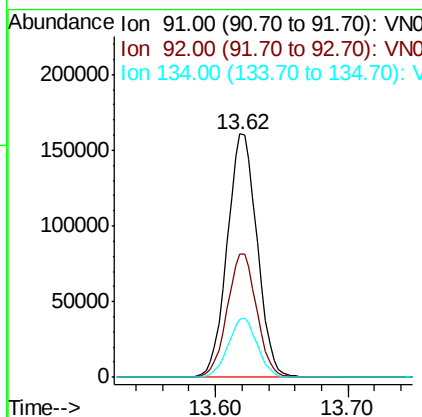
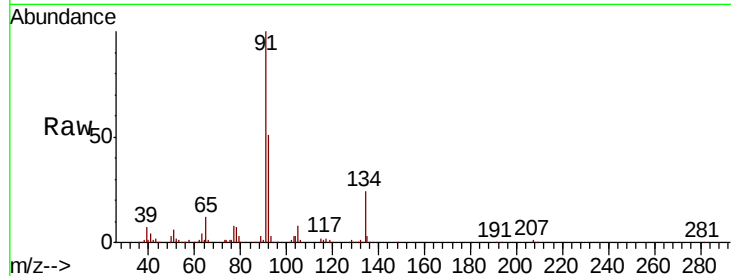
#85
n-Butylbenzene
Concen: 18.543 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	0.0	102.8
134	23.5	0.0	48.6

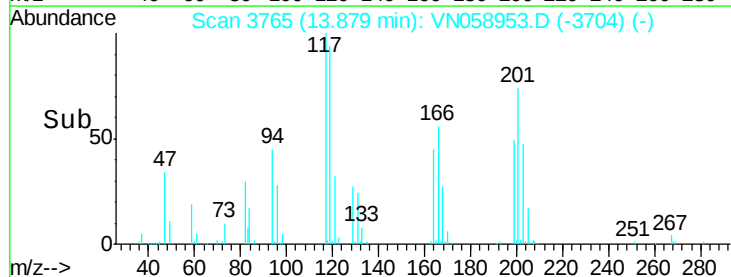
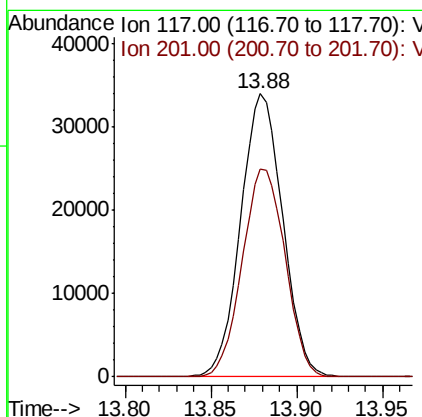
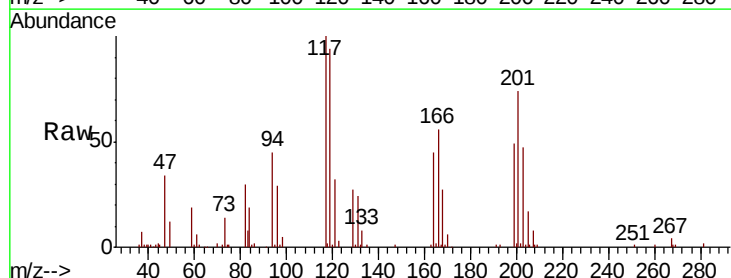
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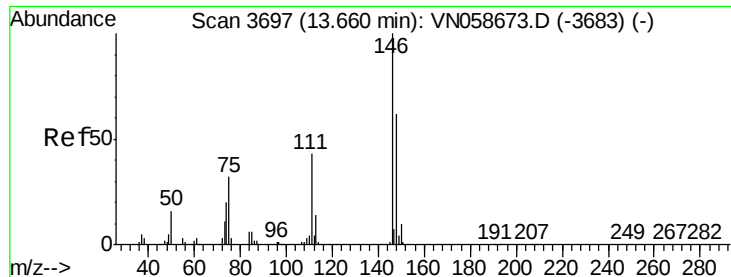
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#86
Hexachloroethane
Concen: 21.367 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	38.7	116.1





#87

1,2-Dichlorobenzene

Concen: 20.139 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Instrument :

MSVOA_N

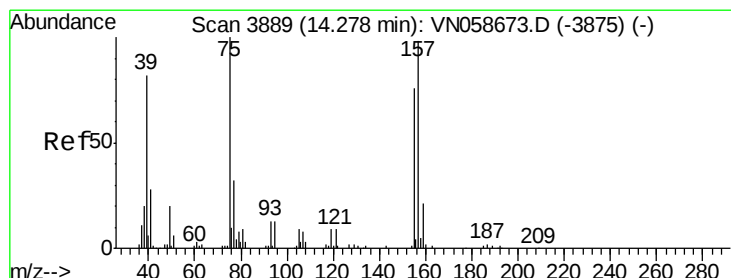
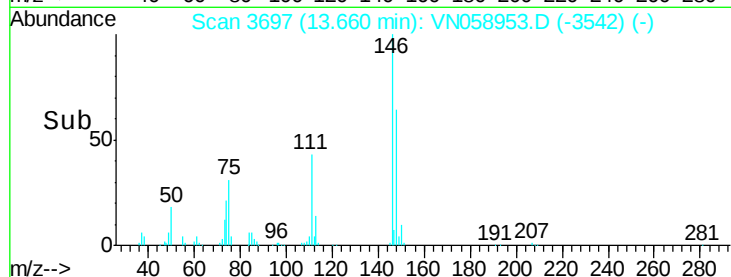
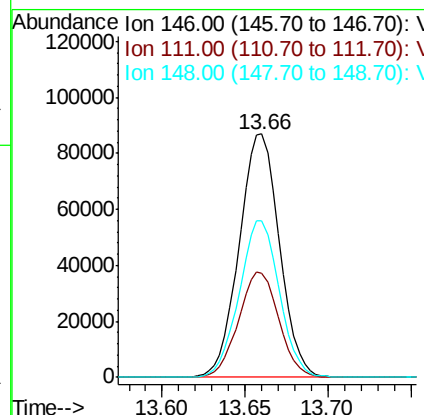
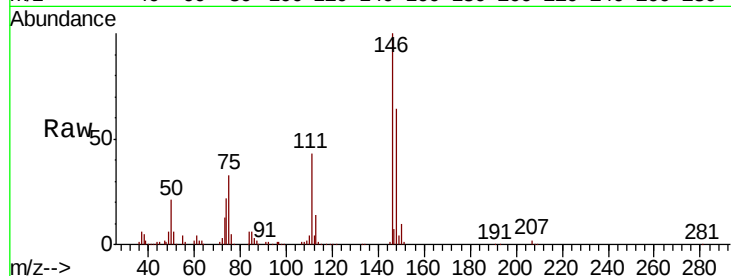
ClientSampleId :

VN1025WBS01

Tot Ion:	146	Resp:	146714
Ion Ratio	Lower	Upper	
146	100		
111	43.2	21.8	65.4
148	64.1	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 19.847 ug/l

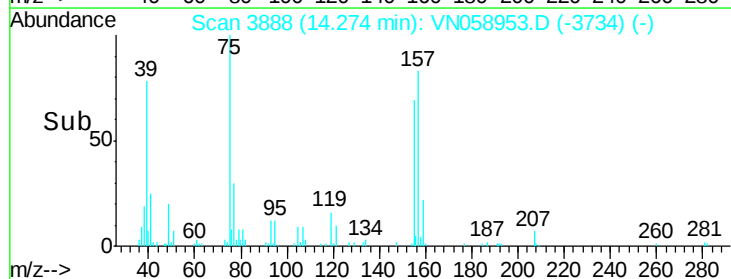
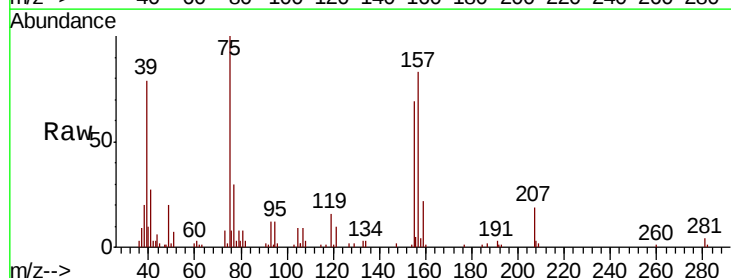
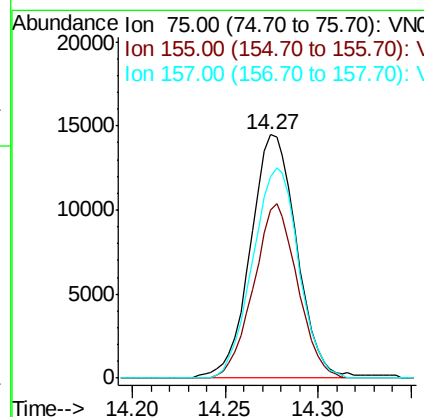
RT: 14.27 min Scan# 3888

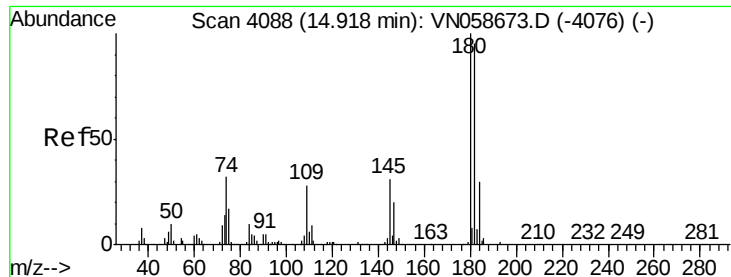
Delta R.T. -0.00 min

Lab File: VN058953.D

Acq: 24 Oct 2019 12:16

Tgt Ion:	75	Resp:	24969
Ion Ratio	Lower	Upper	
75	100		
155	67.9	58.3	87.5
157	86.8	75.0	112.6





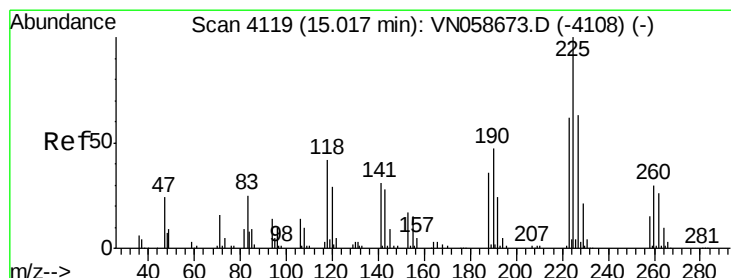
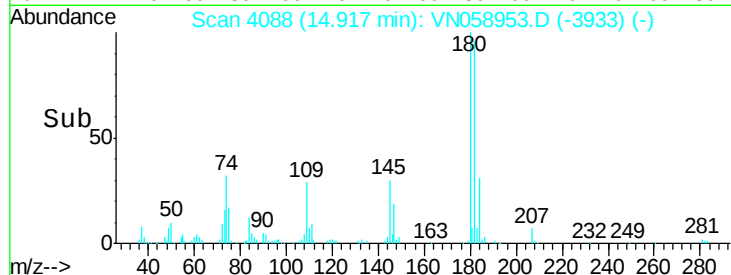
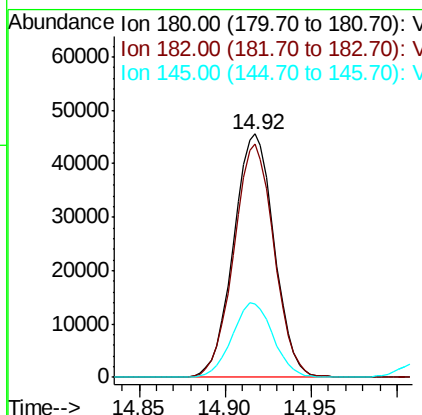
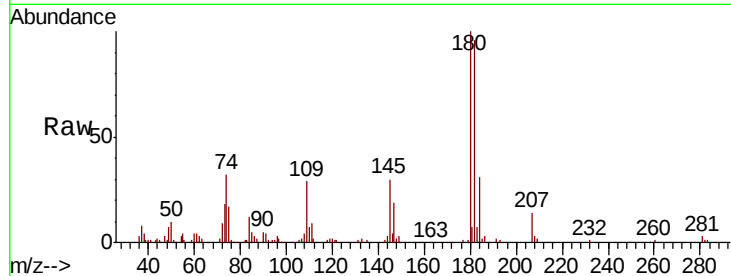
#89
 1,2,4-Trichlorobenzene
 Concen: 16.336 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1025WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.3	112.9
145	30.7	24.8	37.2

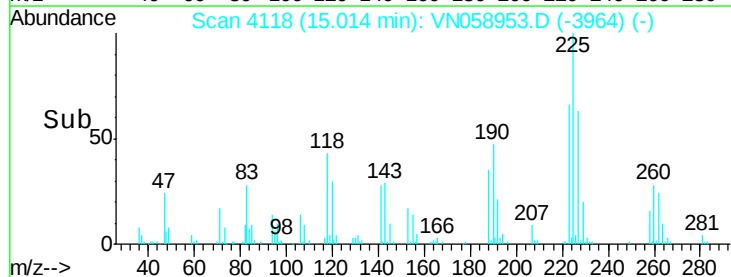
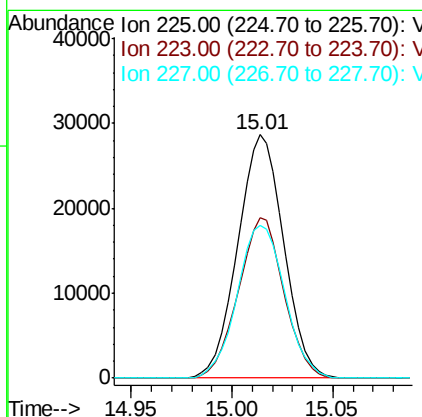
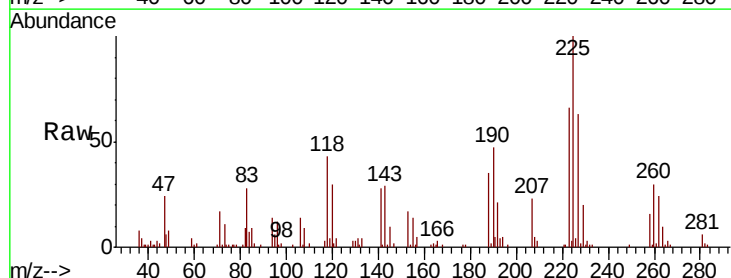
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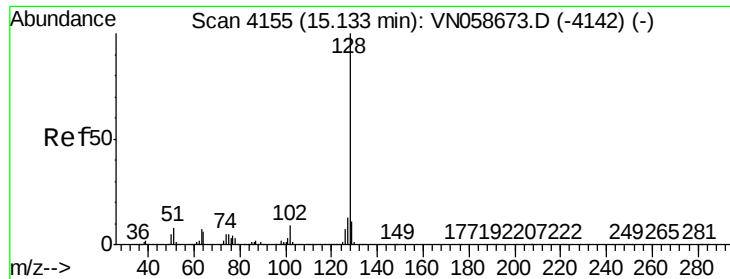
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#90
 Hexachlorobutadiene
 Concen: 19.246 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058953.D
 Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	0.0	126.2
227	64.8	0.0	127.0





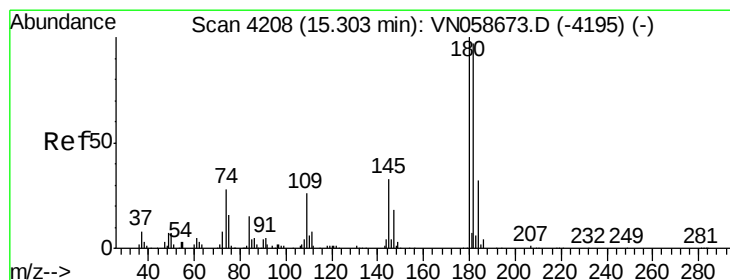
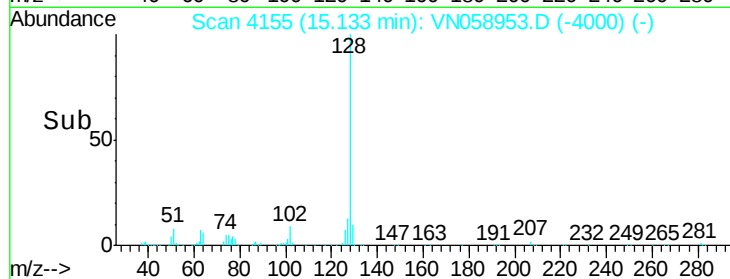
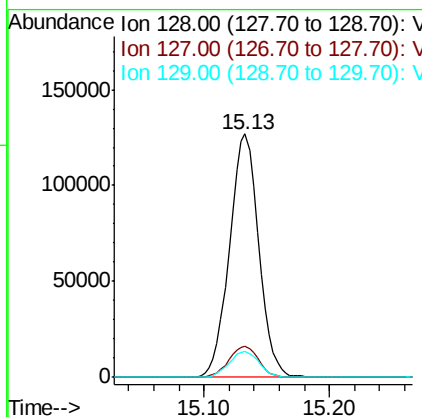
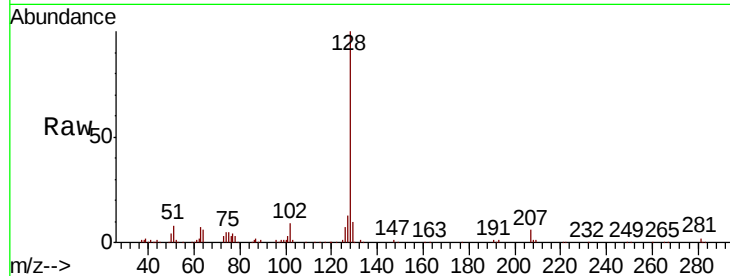
#91
Naphthalene
Concen: 15.119 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Instrument :
MSVOA_N
ClientSampleId :
VN1025WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.9	8.6	13.0

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#92
1,2,3-Trichlorobenzene
Concen: 17.008 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058953.D
Acq: 24 Oct 2019 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	193.4
145	32.7	0.0	65.8

