

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056689.D
 Acq On : 12 Jul 2019 14:49
 Operator : JC/SP
 Sample : VN0713WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:59:49 AM

Quant Time: Jul 13 00:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53067	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	289342	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	252700	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	107432	29.89	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.63%
60) 4-Bromofluorobenzene	12.40	95	113730	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	358475	31.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	58959	19.552	ug/l 98
3) Chloromethane	2.06	50	81132	20.118	ug/l 99
4) Vinyl Chloride	2.18	62	78646	19.827	ug/l 100
5) Bromomethane	2.56	94	48511	19.403	ug/l 96
6) Chloroethane	2.70	64	43905	19.371	ug/l 100
7) Trichlorofluoromethane	3.01	101	99695	19.596	ug/l 100
8) Diethyl Ether	3.41	74	40643	19.535	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	61017	19.233	ug/l 99
10) 1,1-Dichloroethene	3.73	96	60427	19.307	ug/l 97
11) Methyl Iodide	3.95	142	77072	18.530	ug/l 98
12) Methyl Acetate	4.33	43	78234	18.673	ug/l 94
13) Acrolein	3.61	56	24422	82.680	ug/l 98
14) Acrylonitrile	4.99	53	180044	97.554	ug/l 98
15) Acetone	3.82	58	49912	78.346	ug/l 99
16) Carbon Disulfide	4.05	76	151782	18.387	ug/l 99
17) Allyl chloride	4.32	41	103329	18.873	ug/l 96
18) Methylene Chloride	4.55	84	70846	19.280	ug/l 97
19) trans-1,2-Dichloroethene	5.04	96	64794	19.338	ug/l 99
20) Diisopropyl ether	5.95	45	213413	19.563	ug/l 99
21) 1,1-Dichloroethane	5.85	63	120145	19.275	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	76395	19.499	ug/l 98
23) tert-Butyl Alcohol	4.79	59	62476	97.042	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	193372	19.370	ug/l 99
25) Chloroform	7.37	83	117243	19.307	ug/l 98
26) Cyclohexane	7.65	56	110214	19.023	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	88393	19.219	ug/l 99
30) 2-Butanone	6.84	43	237798	89.300	ug/l 98
31) 2,2-Dichloropropane	6.82	77	81236	18.250	ug/l # 74
32) 1,1,1-Trichloroethane	7.57	97	96507	19.685	ug/l 99
33) Carbon Tetrachloride	7.77	117	81284	19.267	ug/l 96
34) Benzene	8.04	78	275786	19.515	ug/l 100
35) Methacrylonitrile	7.18	41	41319	20.311	ug/l 98
36) 1,2-Dichloroethane	8.12	62	89482	19.712	ug/l 100
37) Trichloroethene	8.84	130	73745	19.214	ug/l 97
38) Methylcyclohexane	9.08	83	108194	18.621	ug/l 99
39) 1,2-Dichloropropane	9.12	63	74544	19.652	ug/l 99
40) Dibromomethane	9.21	93	47318	19.585	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	86227	19.365	ug/l	99
42) Vinyl Acetate	5.90	43	875063	98.737	ug/l	100
43) Ethyl Acetate	6.93	43	94043	19.543	ug/l	97
44) Isopropyl Acetate	8.17	43	145022	19.322	ug/l #	87
45) 1,4-Dioxane	9.20	88	29486	388.331	ug/l	96
46) Methyl methacrylate	9.20	41	68518	19.003	ug/l	97
47) n-amyl Acetate	12.07	43	112910	18.395	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	88339	18.036	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	102849	18.614	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	69259	19.676	ug/l	98
51) Ethyl methacrylate	10.43	69	103736	19.160	ug/l	99
52) 1,3-Dichloropropane	10.71	76	115442	19.601	ug/l	98
53) Dibromochloromethane	10.90	129	67375	18.939	ug/l	99
54) 1,2-Dibromoethane	11.00	107	71373	19.510	ug/l	97
55) 2-Chloroethyl vinyl ether	9.69	63	256702	98.047	ug/l	99
56) Bromoform	12.12	173	47865	18.176	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	477059	100.303	ug/l	100
59) 2-Hexanone	10.75	43	341809	94.676	ug/l	99
61) Tetrachloroethene	10.63	164	74424	20.496	ug/l	98
62) Toluene	10.16	91	298425	20.106	ug/l	98
64) Chlorobenzene	11.43	112	176638	19.513	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	65329	19.684	ug/l	99
66) Ethyl Benzene	11.51	91	308337	19.219	ug/l	99
67) m/p-Xylenes	11.62	106	235842	38.953	ug/l	99
68) o-Xylene	11.95	106	116187	19.674	ug/l	97
69) Styrene	11.96	104	187308	19.142	ug/l	99
70) Isopropylbenzene	12.25	105	303653	19.616	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	100369	19.977	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	86661m	20.181	ug/l	
73) Bromobenzene	12.52	156	78653	19.444	ug/l	99
74) n-propylbenzene	12.59	91	326800	18.713	ug/l	99
75) 2-Chlorotoluene	12.67	91	205875	19.573	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	255236	19.331	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	24371	17.073	ug/l	95
78) 4-Chlorotoluene	12.77	91	190142	18.642	ug/l	99
79) tert-butylbenzene	12.99	119	216639	19.288	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	252124	19.254	ug/l	98
81) sec-Butylbenzene	13.17	105	282627	19.010	ug/l	99
82) p-Isopropyltoluene	13.29	119	256989	19.007	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	123103	18.259	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	116428	18.016	ug/l	100
85) n-Butylbenzene	13.61	91	194393	17.430	ug/l	99
86) Hexachloroethane	13.87	117	38383	18.093	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	128947	19.032	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.26	75	16078	18.548	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	58250	15.984	ug/l	97
90) Hexachlorobutadiene	15.01	225	42602	17.980	ug/l	99
91) Naphthalene	15.13	128	157128	16.030	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	64895	16.982	ug/l	99

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ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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QLast Update : Fri Jul 12 23:58:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

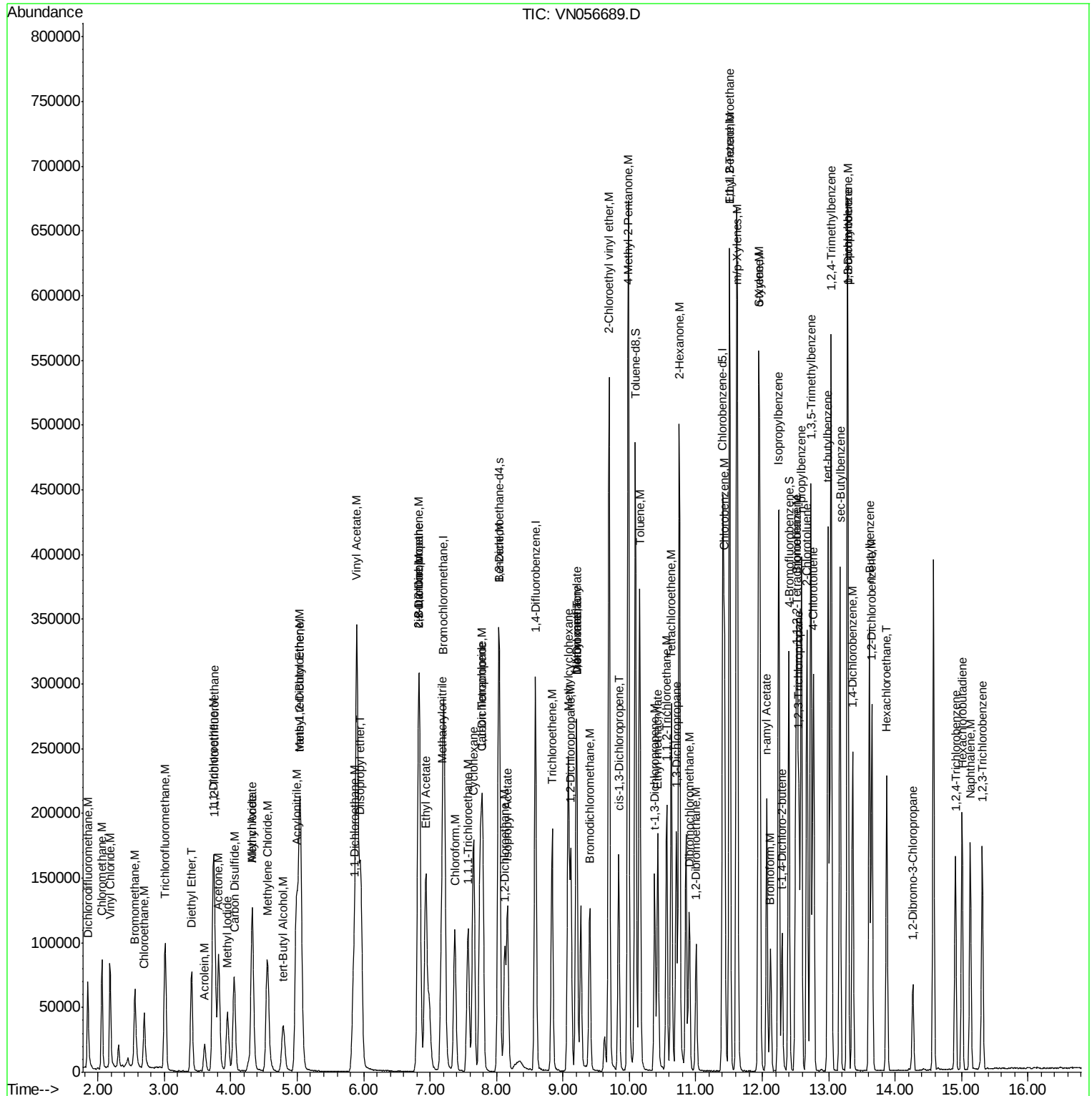
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
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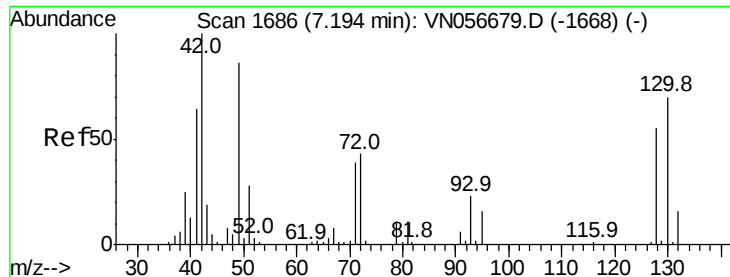
Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Manual Integrations
APPROVED

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7/16/2019 9:59:49 AM

Quant Time: Jul 13 00:33:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

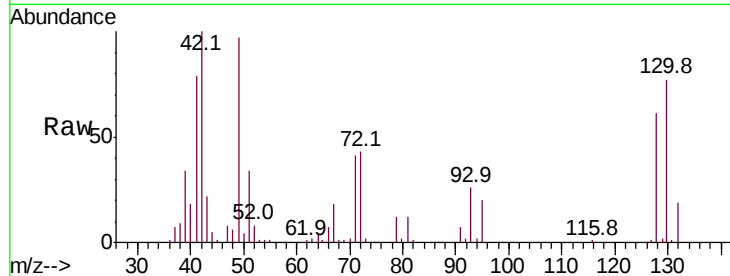
ClientSampleId :

VN0713WBSD01

Tot Ion:	128	Resp:	53067
Ion	Ratio	Lower	Upper
128	100		
49	159.9	0.0	390.5
130	128.5	0.0	316.5

Manual Integrations
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7/16/2019 9:59:49 AM

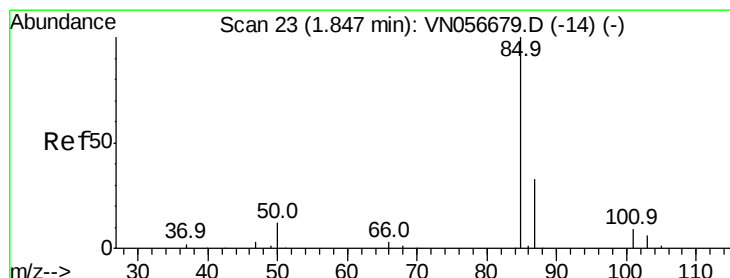
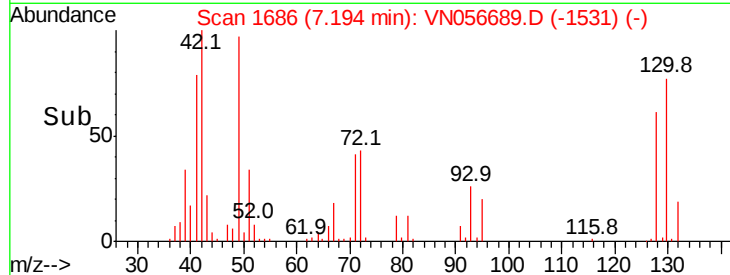
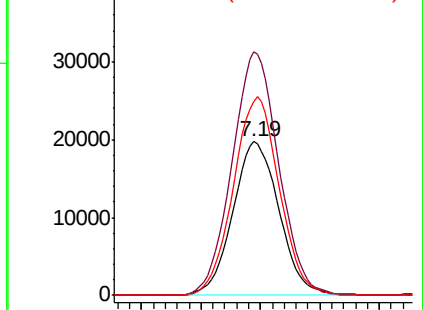


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.552 ug/l

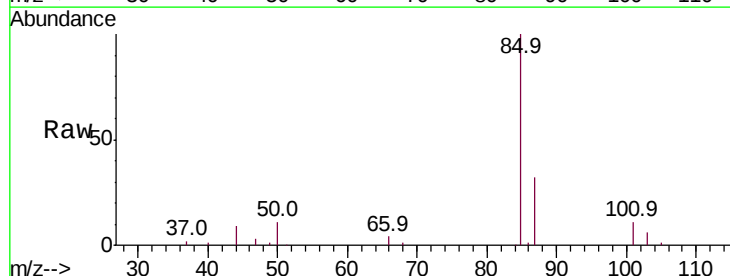
RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

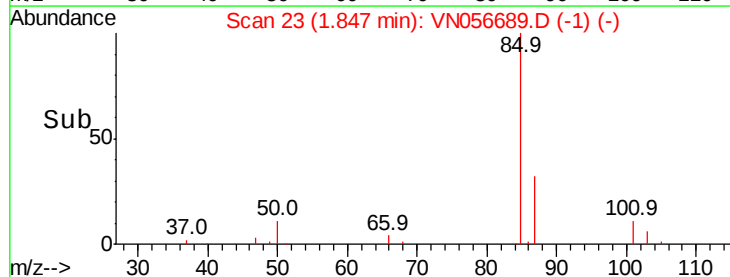
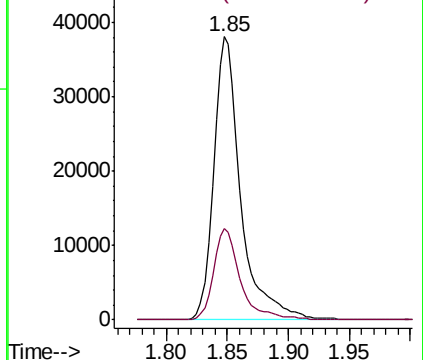
Tgt Ion:	85	Resp:	58959
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.8	50.3

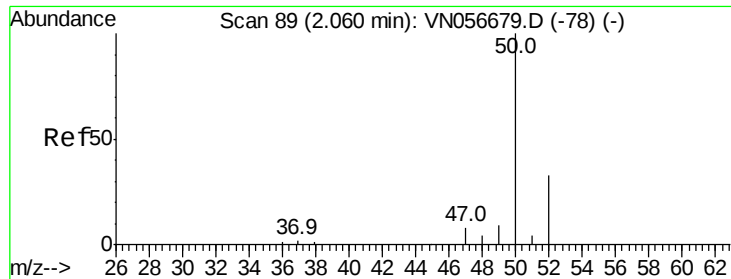


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.118 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 50 Resp: 81132

Ion Ratio Lower Upper

50 100

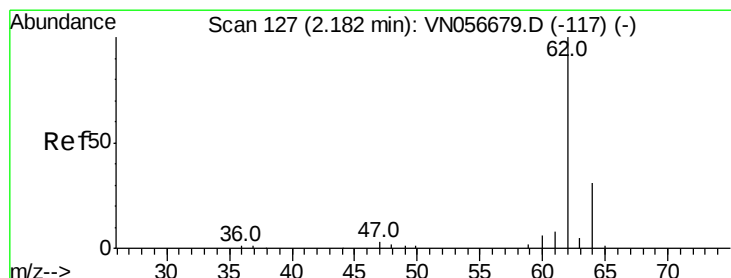
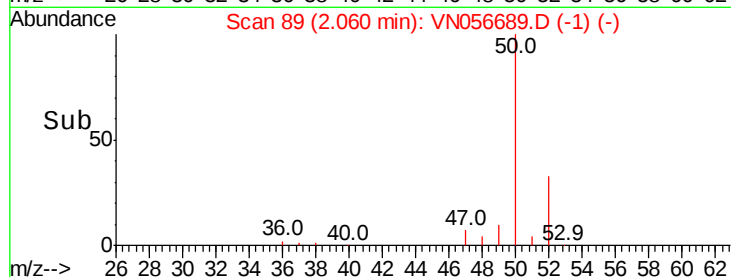
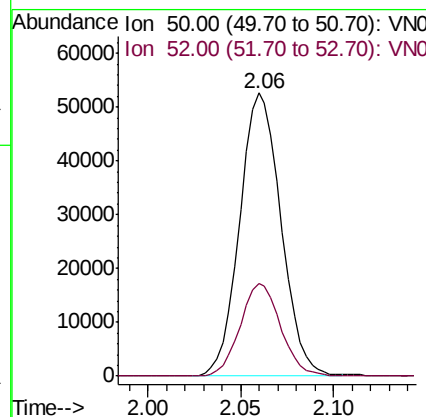
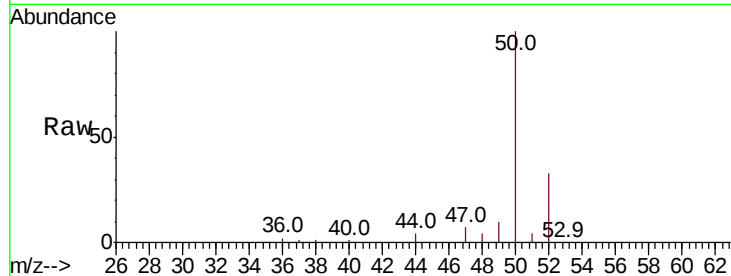
52 32.7 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.827 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056689.D

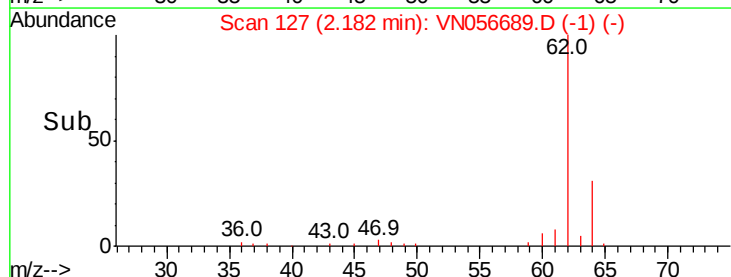
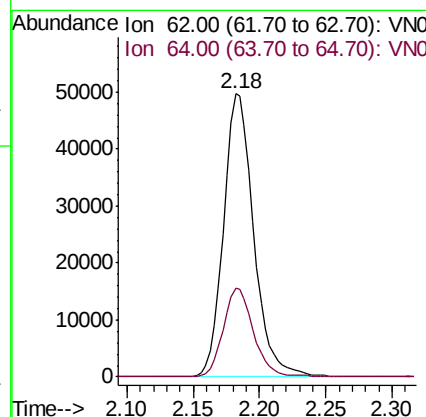
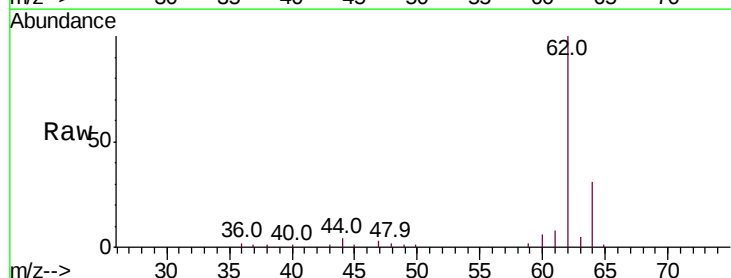
Acq: 12 Jul 2019 14:49

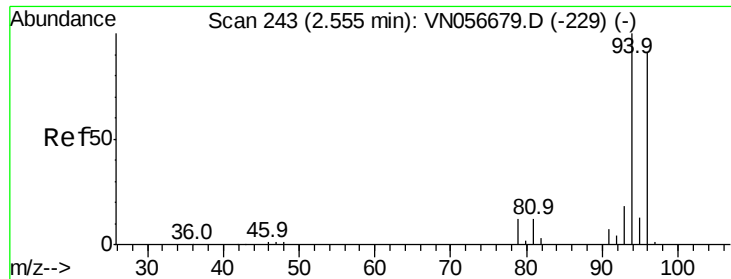
Tgt Ion: 62 Resp: 78646

Ion Ratio Lower Upper

62 100

64 31.2 25.0 37.4





#5

Bromomethane

Concen: 19.403 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 94 Resp: 48511

Ion Ratio Lower Upper

94 100

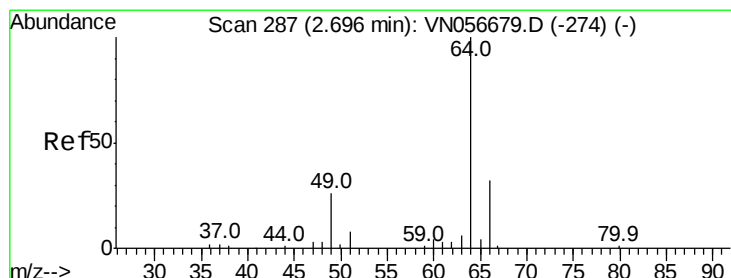
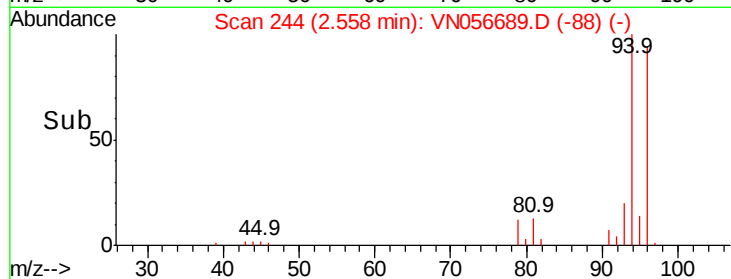
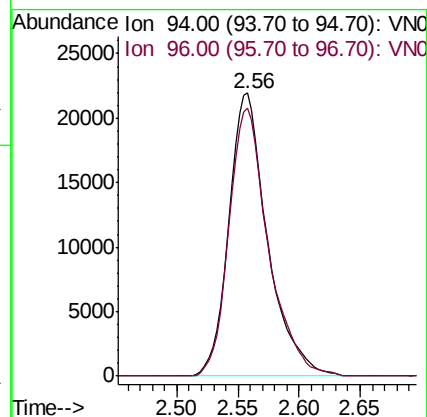
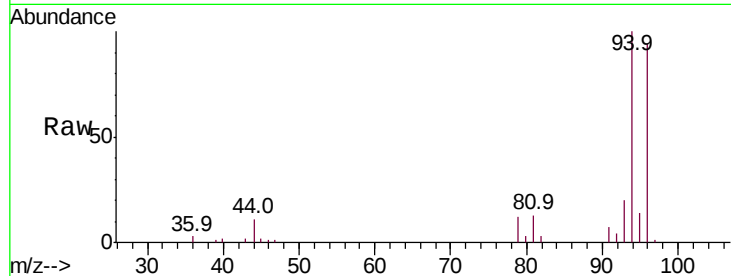
96 94.5 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 19.371 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN056689.D

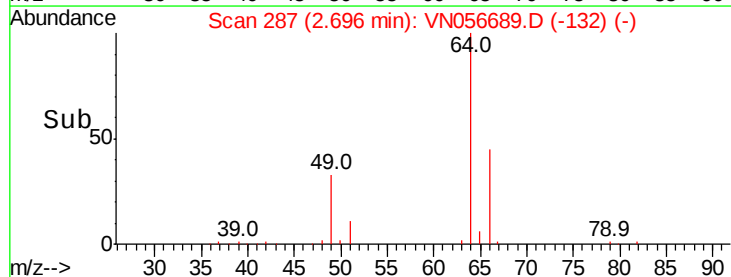
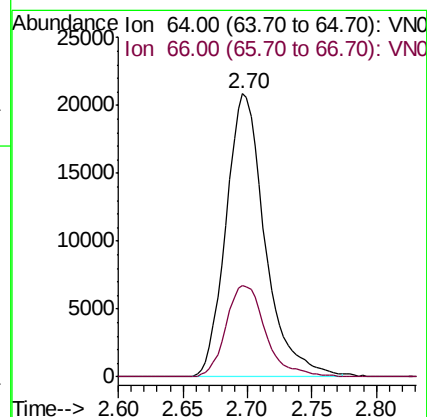
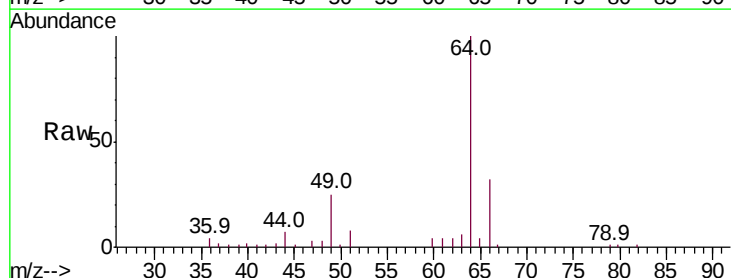
Acq: 12 Jul 2019 14:49

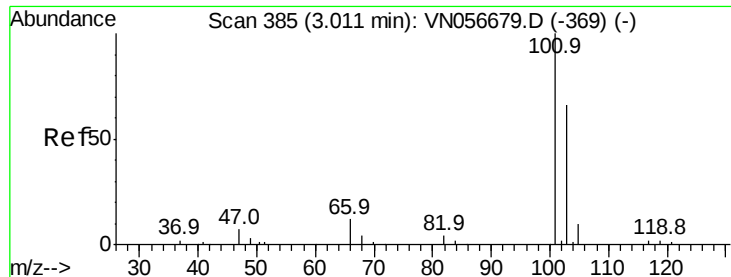
Tgt Ion: 64 Resp: 43905

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5





#7

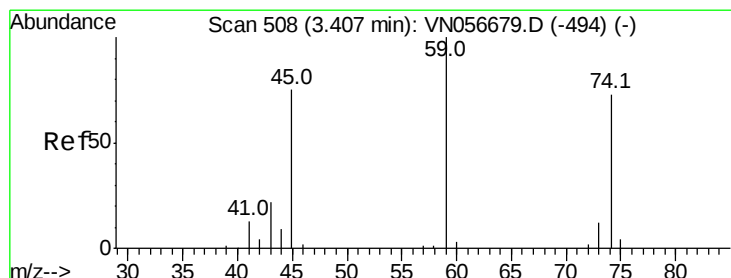
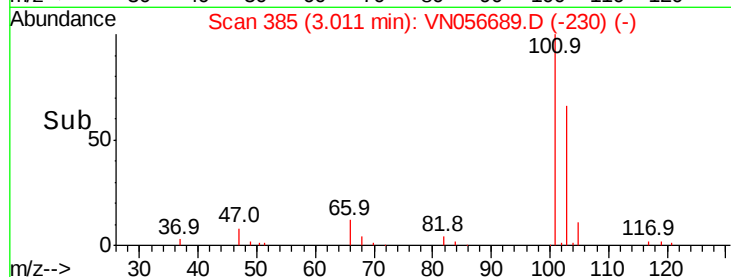
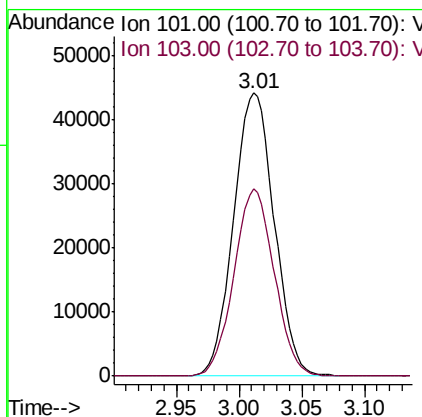
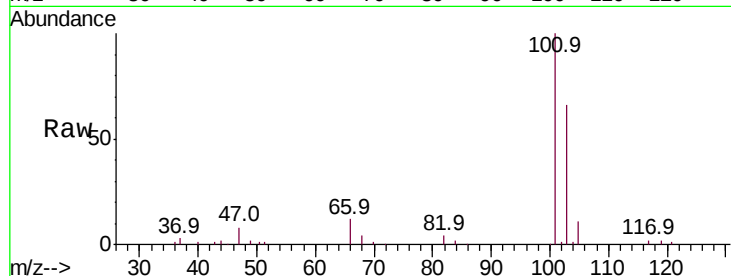
Trichlorofluoromethane
 Concen: 19.596 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion:101 Resp: 99695
 Ion Ratio Lower Upper
 101 100
 103 66.2 52.8 79.2

Manual Integrations
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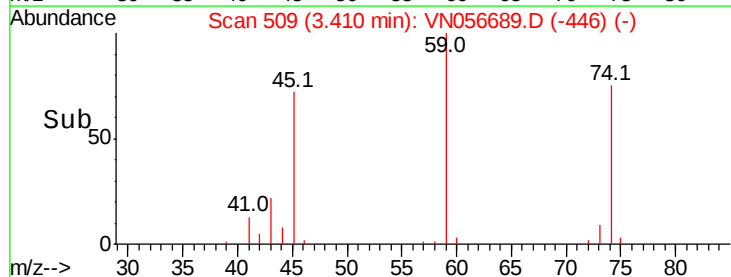
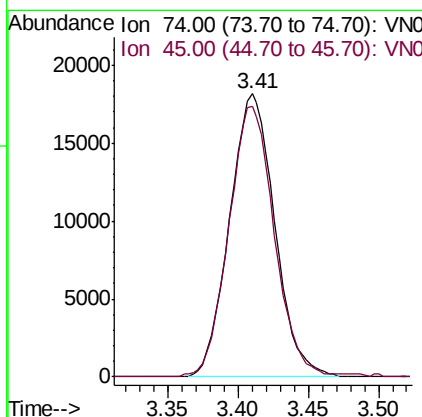
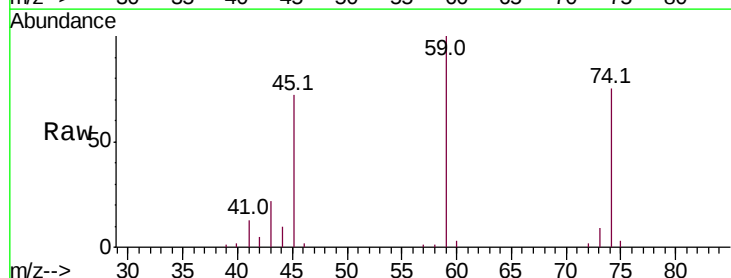
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 7/16/2019 9:59:49 AM

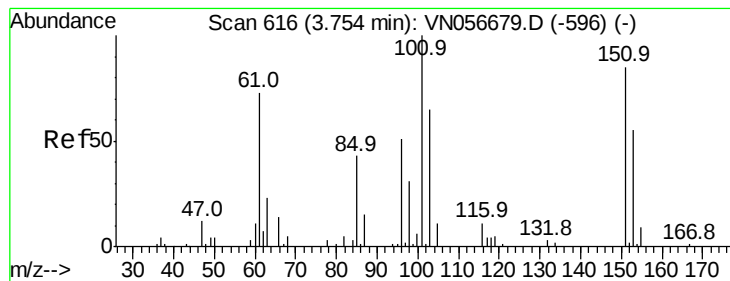


#8

Diethyl Ether
 Concen: 19.535 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 74 Resp: 40643
 Ion Ratio Lower Upper
 74 100
 45 96.2 19.9 179.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.233 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

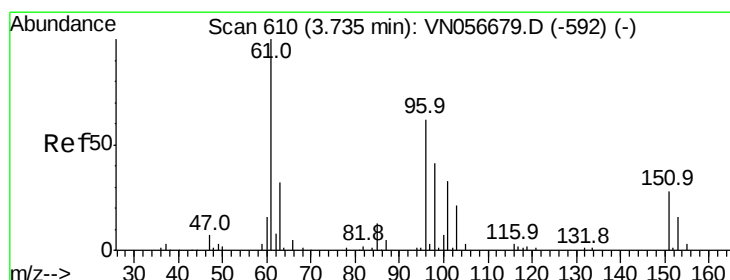
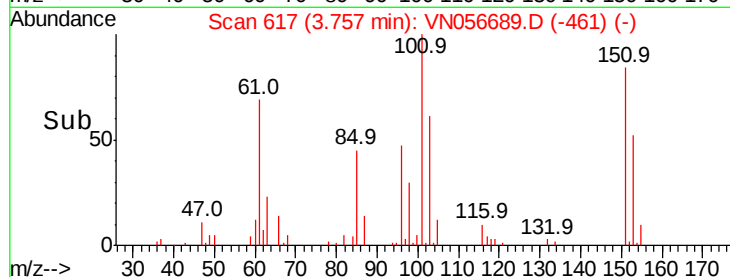
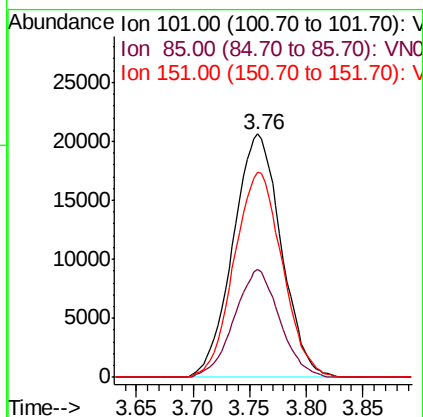
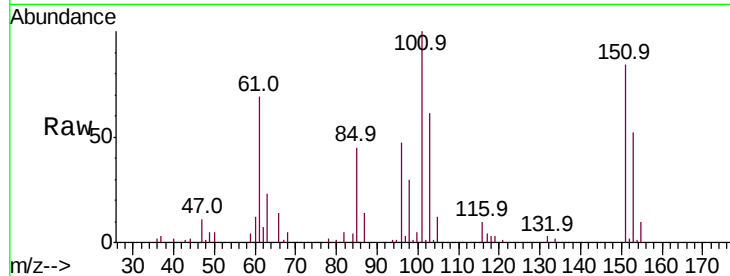
ClientSampleId :

VN0713WBSD01

Tot Ion:	101	Resp:	61017
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	84.2
151	84.2	0.0	167.6

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#10

1,1-Dichloroethene

Concen: 19.307 ug/l

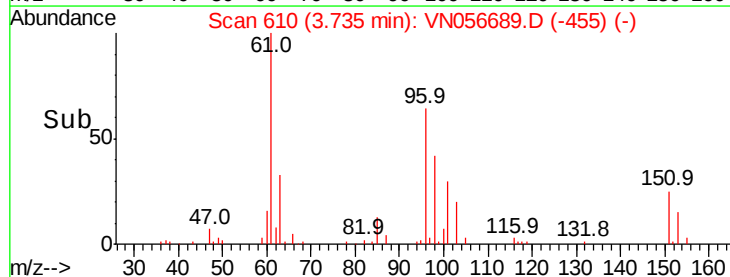
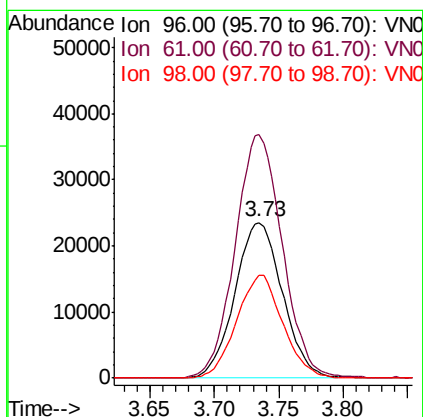
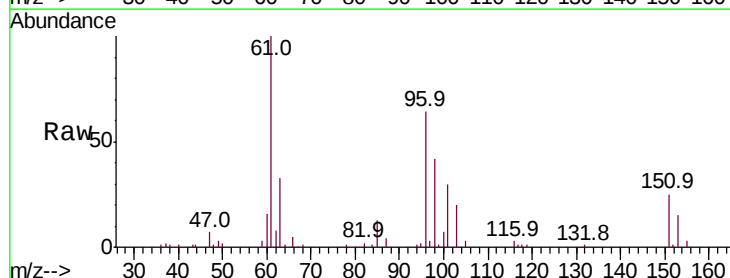
RT: 3.73 min Scan# 610

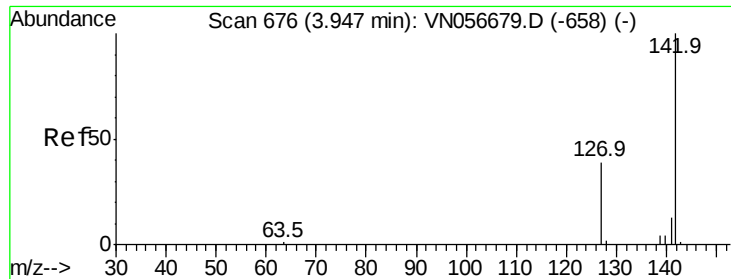
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	96	Resp:	60427
Ion Ratio	Lower	Upper	
96	100		
61	155.2	129.0	193.4
98	65.7	52.5	78.7





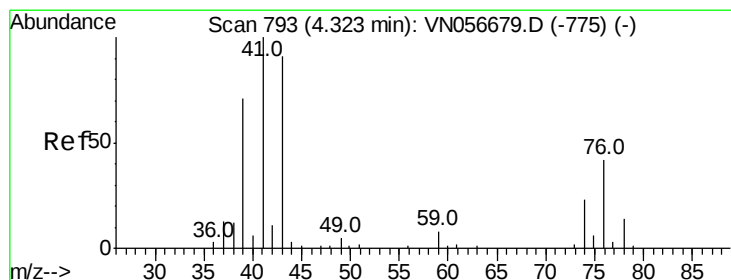
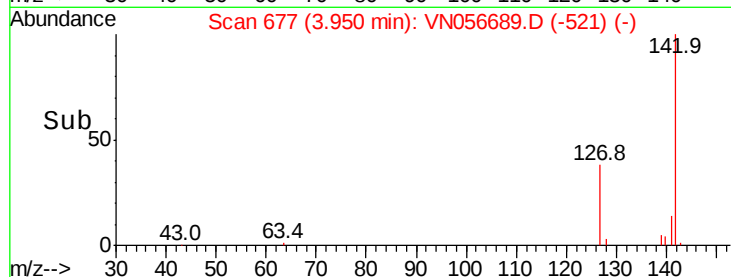
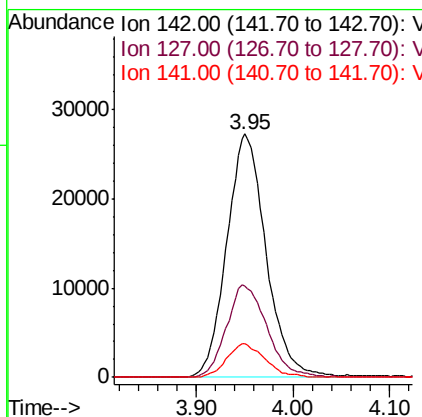
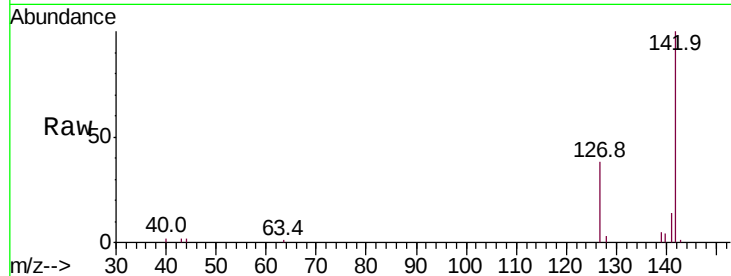
#11
Methyl Iodide
Concen: 18.530 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.8	19.5	58.5
141	14.1	6.8	20.3

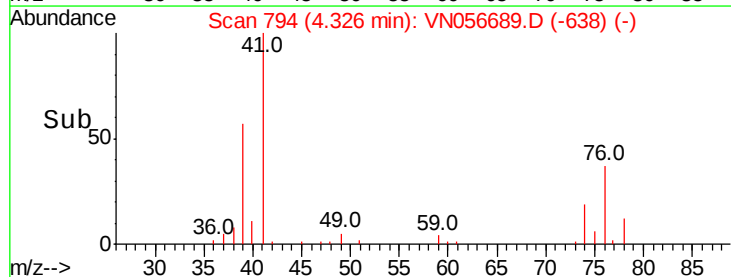
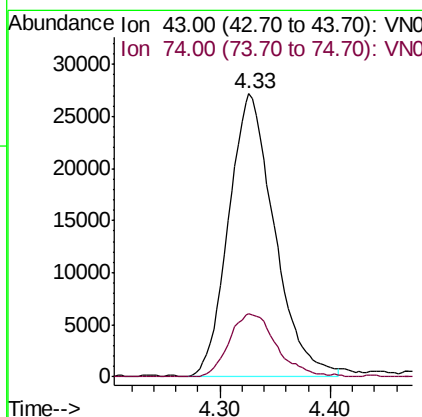
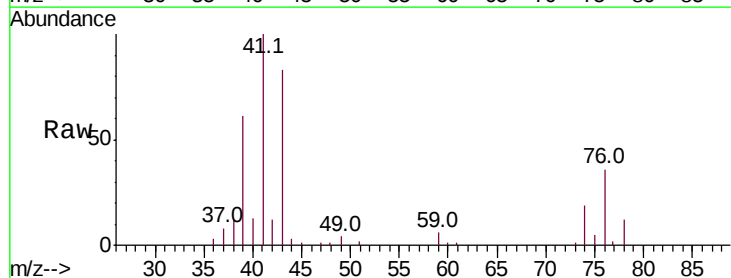
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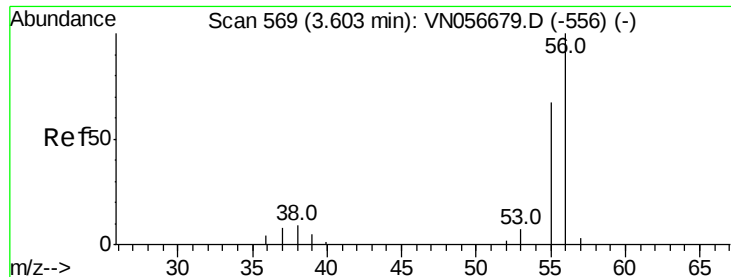
MMDadoda
7/16/2019 9:59:49 AM



#12
Methyl Acetate
Concen: 18.673 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	20.2	30.4





#13

Acrolein

Concen: 82.680 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 56 Resp: 24422

Ion Ratio Lower Upper

56 100

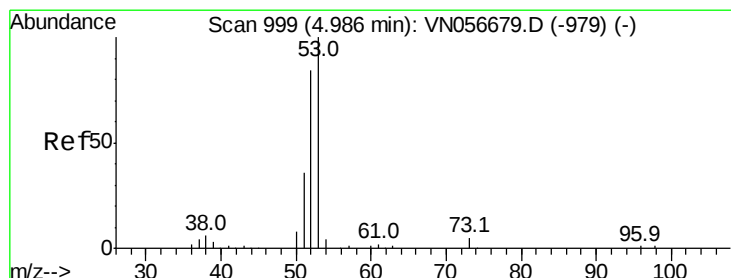
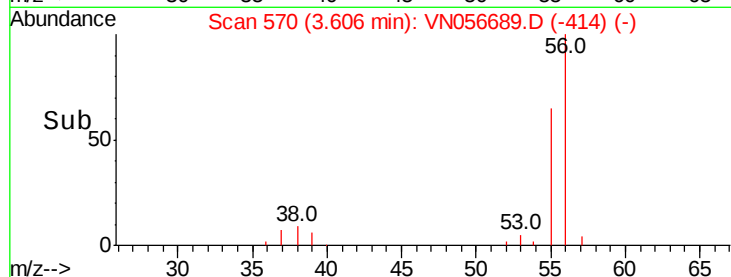
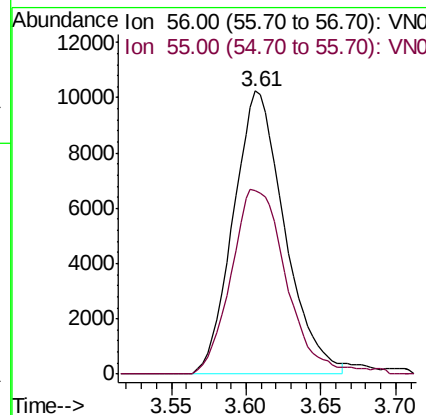
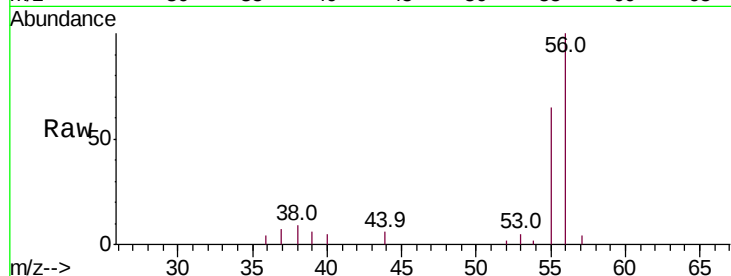
55 69.2 56.9 85.3

Manual Integrations

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#14

Acrylonitrile

Concen: 97.554 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

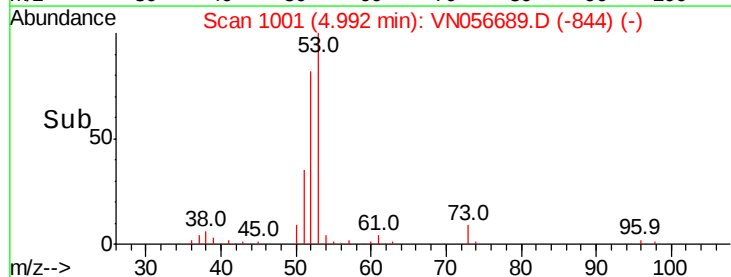
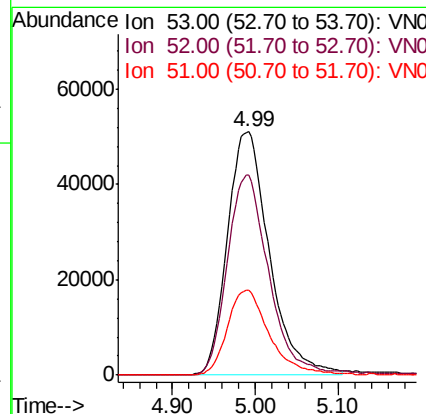
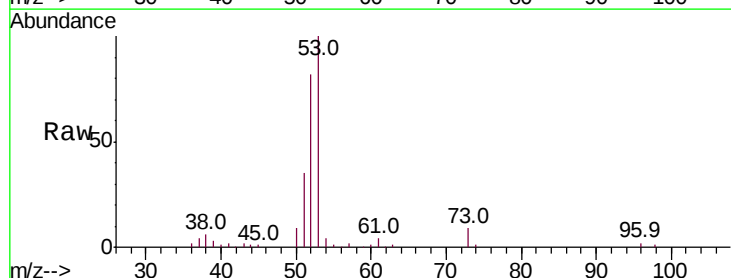
Tgt Ion: 53 Resp: 180044

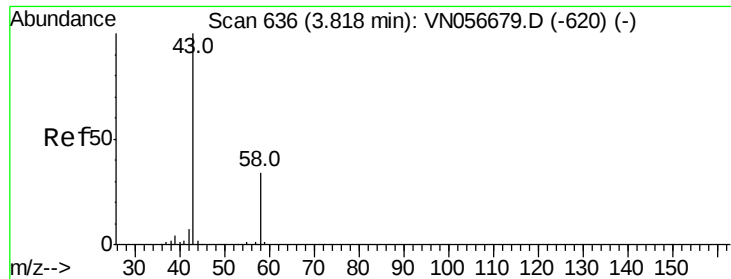
Ion Ratio Lower Upper

53 100

52 80.3 41.3 123.7

51 35.0 17.7 53.1





#15

Acetone

Concen: 78.346 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 58 Resp: 49912

Ion Ratio Lower Upper

58 100

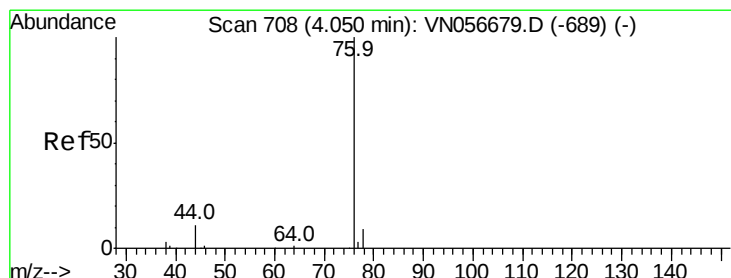
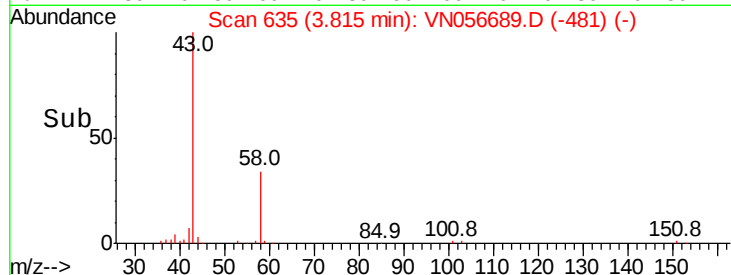
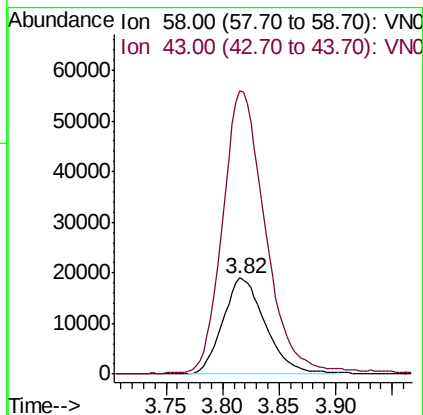
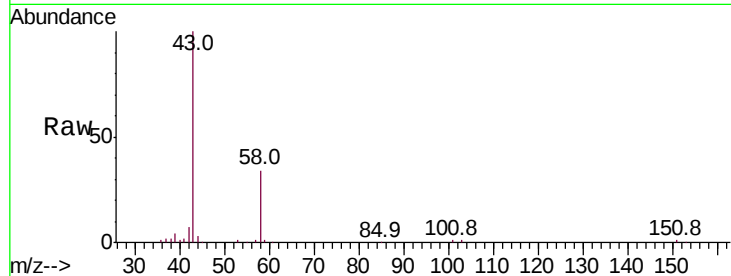
43 291.1 233.9 350.9

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.387 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056689.D

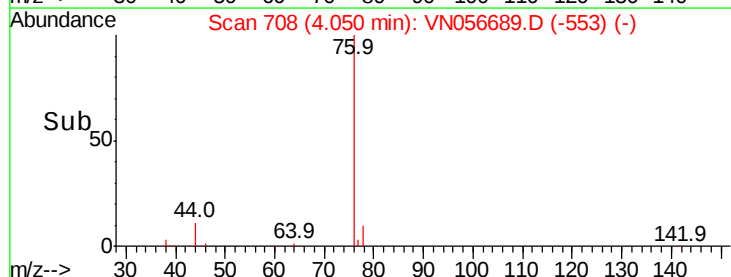
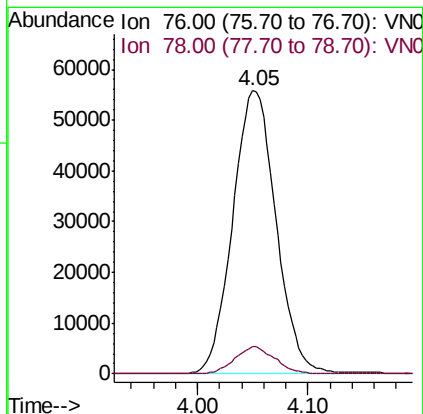
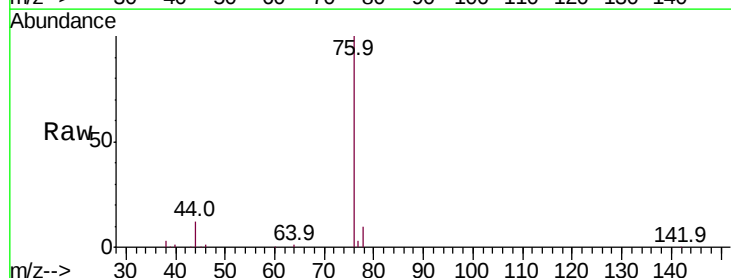
Acq: 12 Jul 2019 14:49

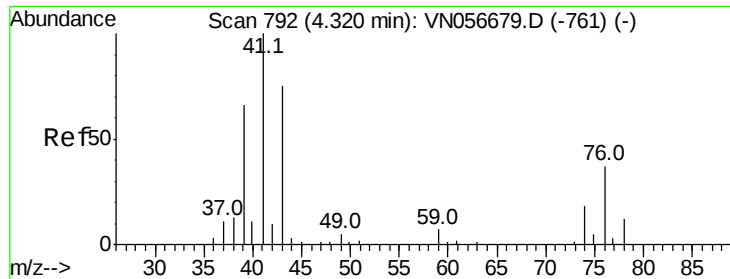
Tgt Ion: 76 Resp: 151782

Ion Ratio Lower Upper

76 100

78 9.6 7.4 11.0





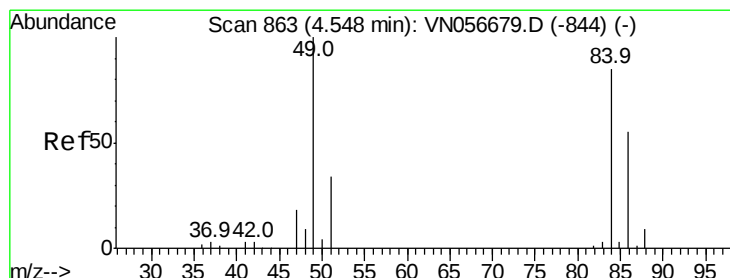
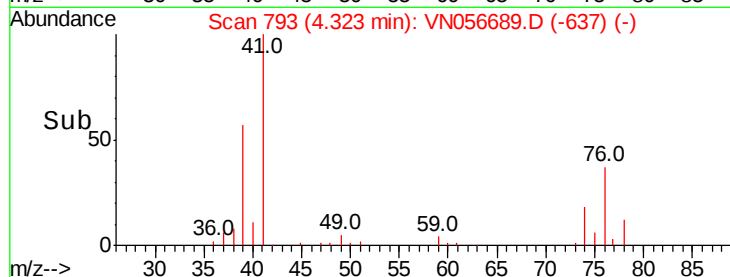
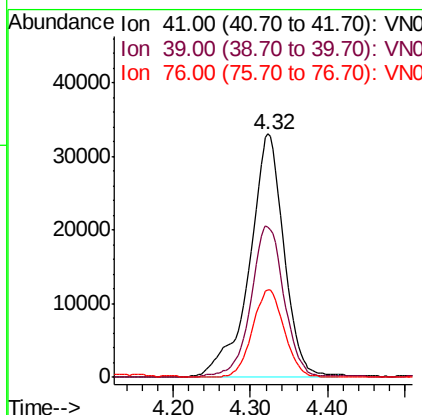
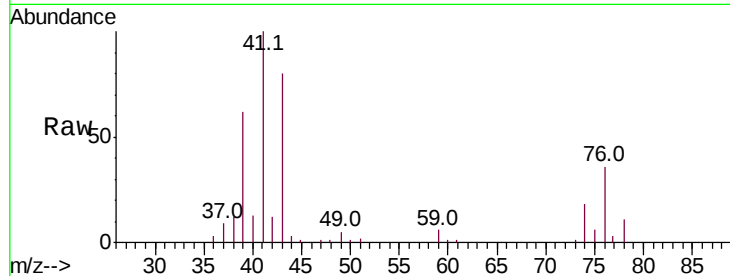
#17
Allvl chloride
Concen: 18.873 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	61.6	32.8	98.4	
76	35.9	18.5	55.5	

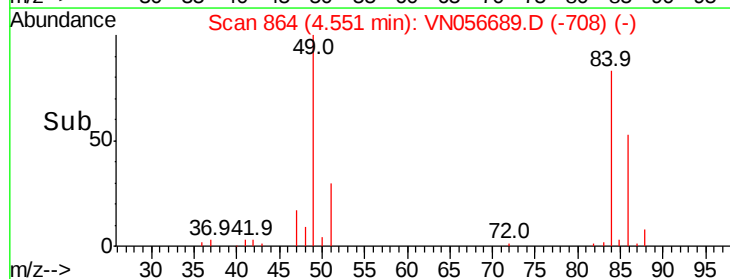
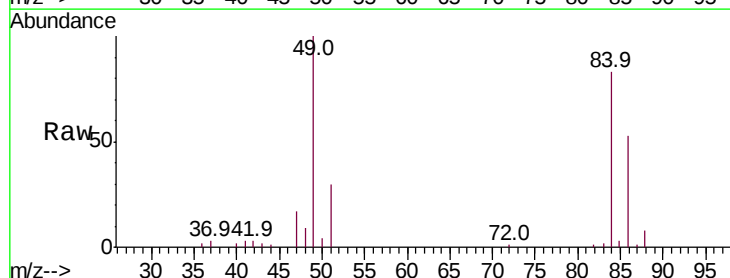
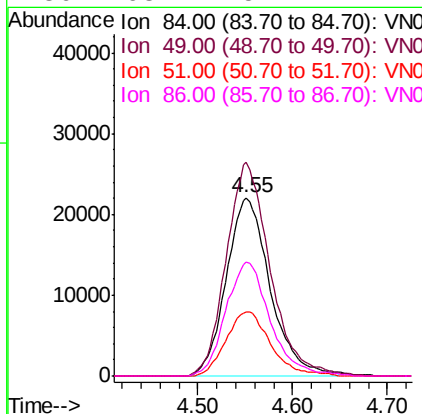
Manual Integrations
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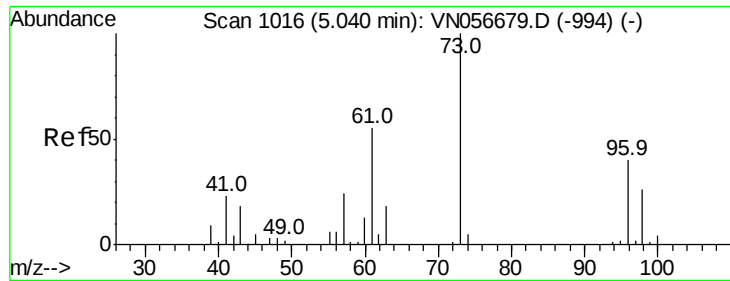
MMDadoda
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#18
Methylene Chloride
Concen: 19.280 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
84	100			
49	120.1	93.9	140.9	
51	35.8	31.7	47.5	
86	63.7	51.4	77.2	





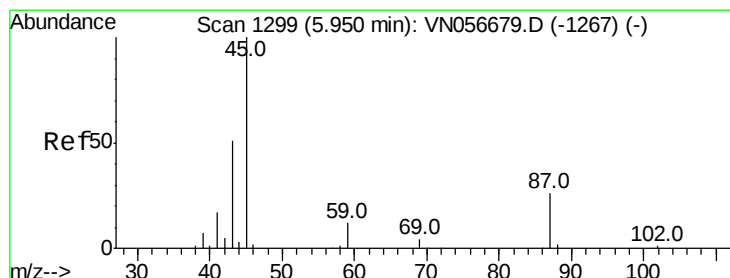
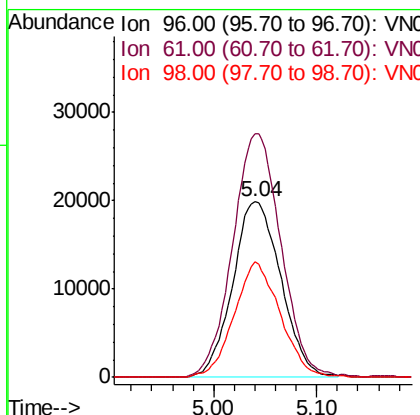
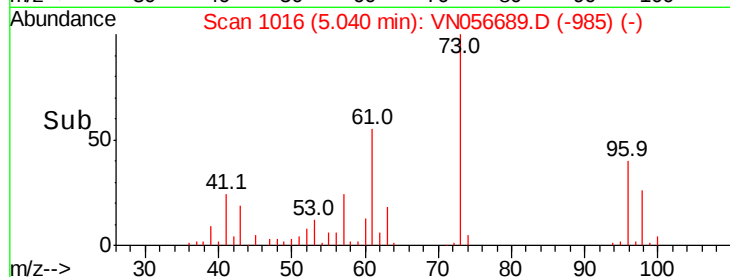
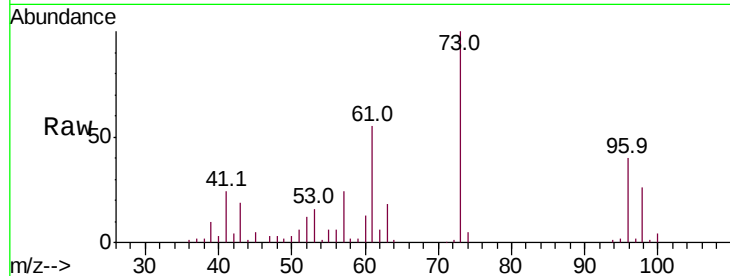
#19
trans-1,2-Dichloroethene
Concen: 19.338 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	109.6	164.4
98	65.5	51.4	77.2

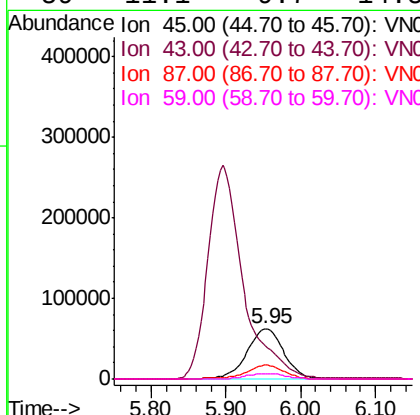
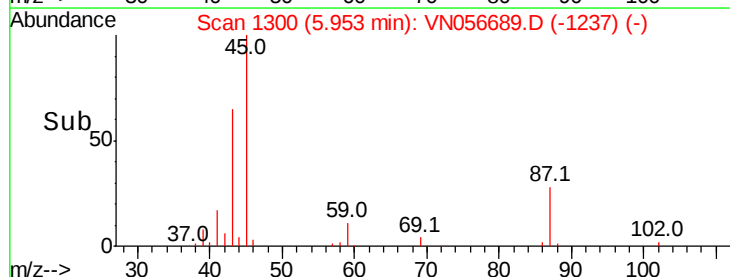
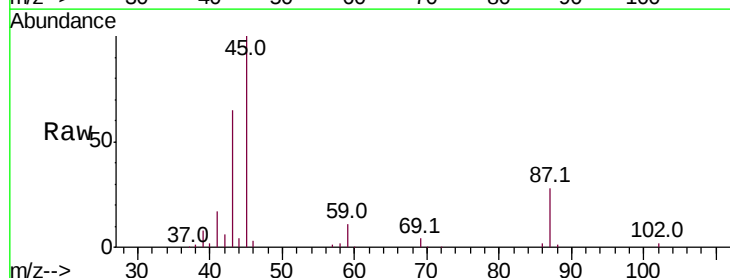
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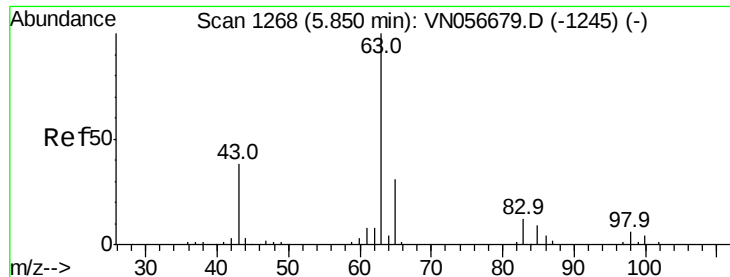
MMDadoda
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#20
Diisopropyl ether
Concen: 19.563 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.6	50.3	75.5
87	27.6	21.4	32.0
59	11.1	9.7	14.5





#21

1,1-Dichloroethane

Concen: 19.275 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

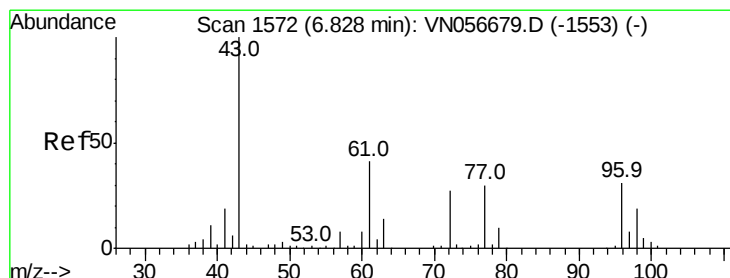
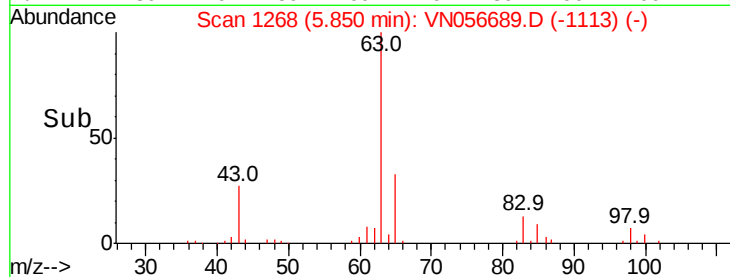
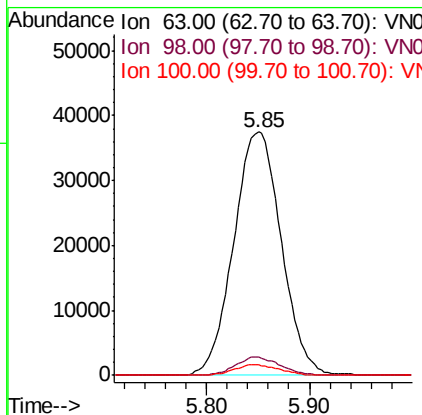
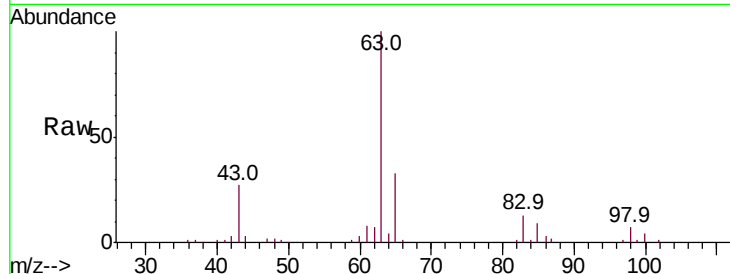
ClientSampleId :

VN0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	120145		
98	7.4	3.3	9.8	
100	4.2	2.1	6.3	

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#22

cis-1,2-Dichloroethene

Concen: 19.499 ug/l

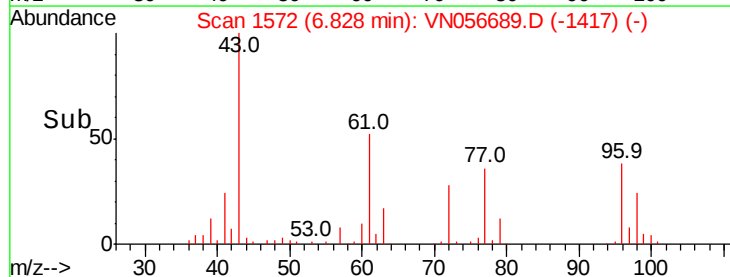
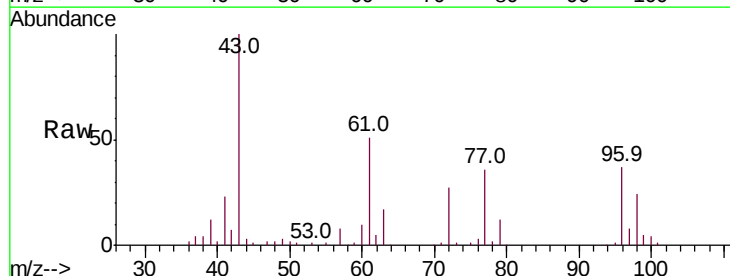
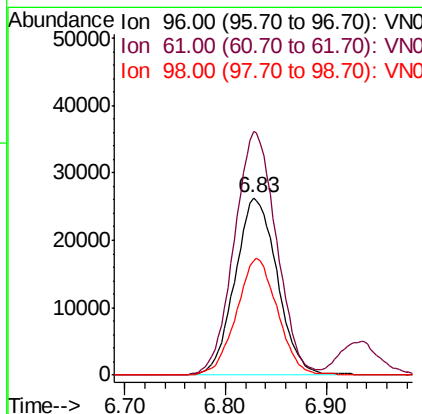
RT: 6.83 min Scan# 1572

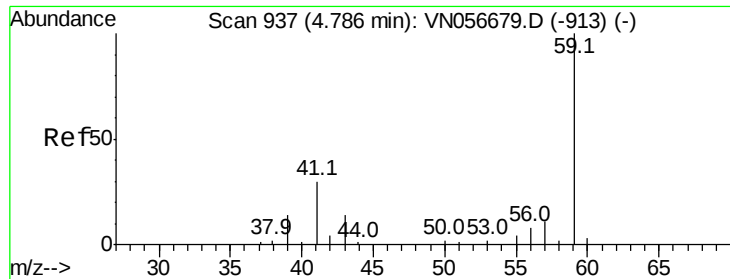
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	76395		
61	137.2	112.1	168.1	
98	63.7	52.2	78.2	





#23

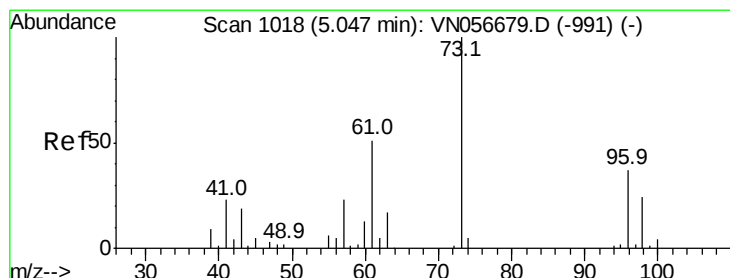
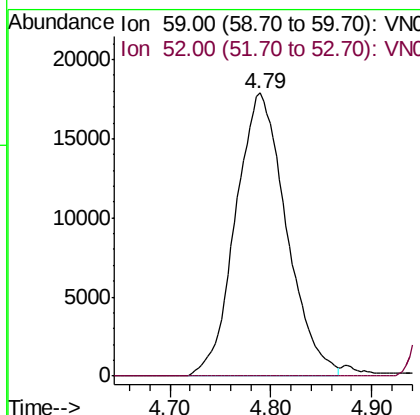
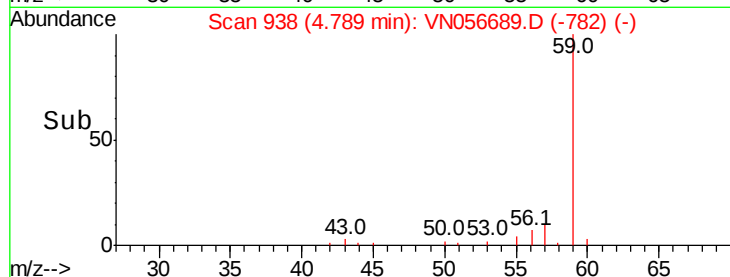
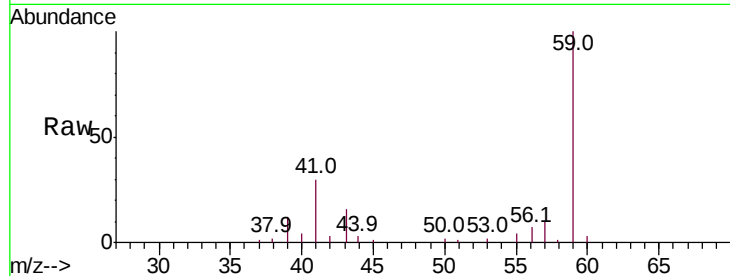
tert-Butyl Alcohol
 Concen: 97.042 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion: 59 Resp: 62476
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

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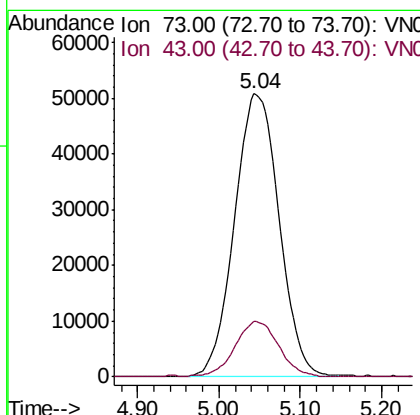
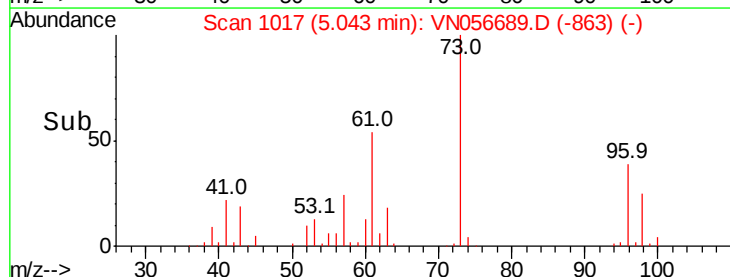
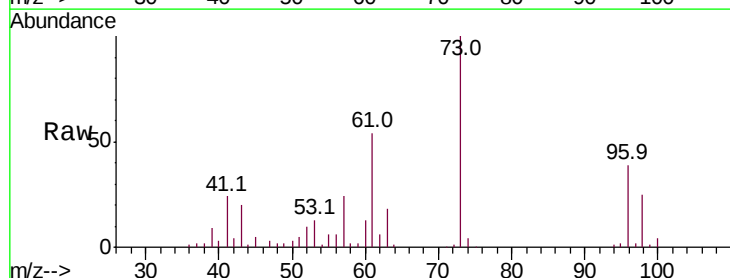
MMDadoda
 7/16/2019 9:59:49 AM

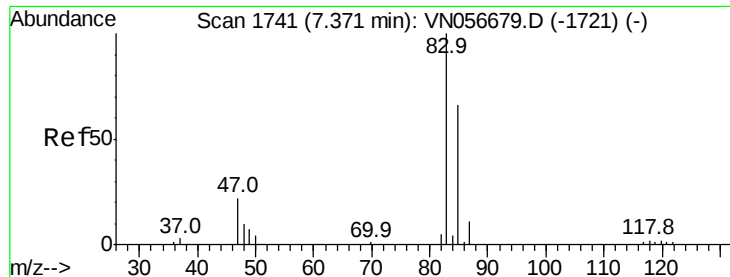


#24

Methyl tert-Butyl Ether
 Concen: 19.370 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 73 Resp: 193372
 Ion Ratio Lower Upper
 73 100
 43 18.5 15.1 22.7





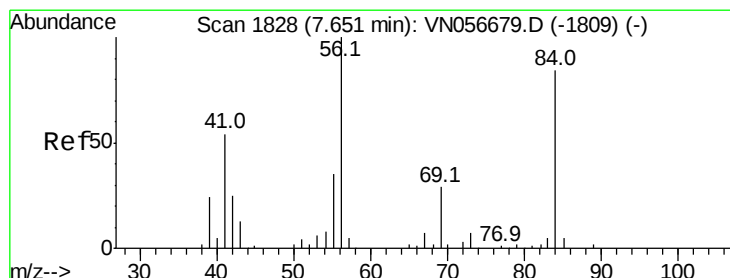
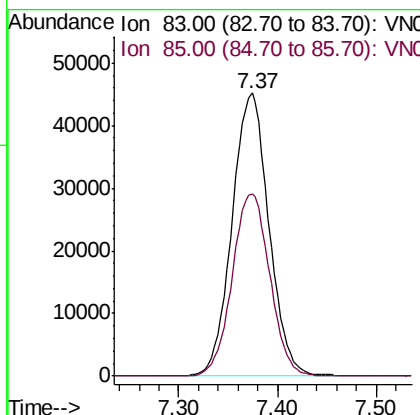
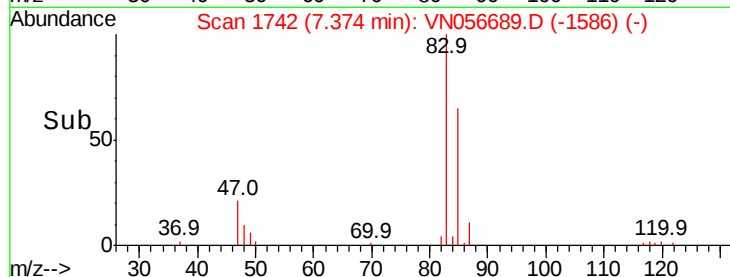
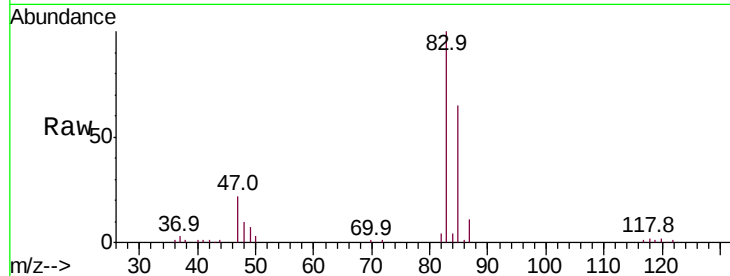
#25
Chloroform
Concen: 19.307 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion: 83 Resp: 117243
Ion Ratio Lower Upper
83 100
85 64.5 52.6 79.0

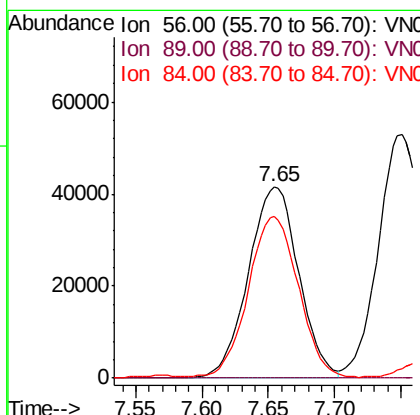
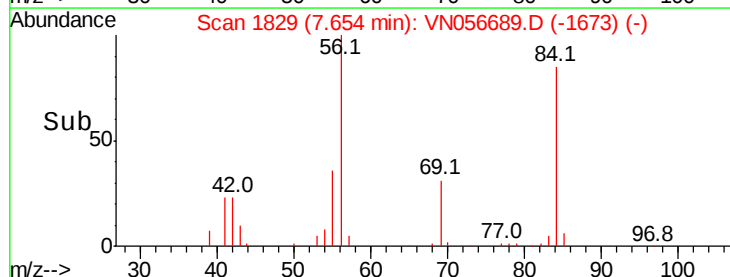
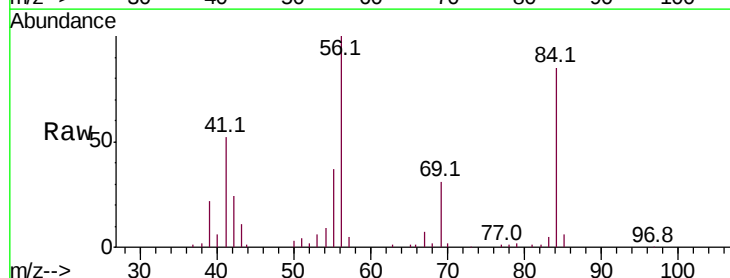
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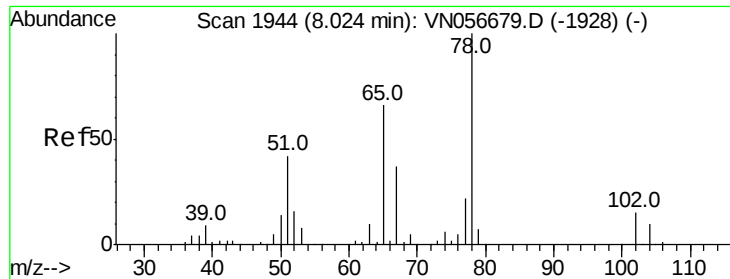
MMDadoda
7/16/2019 9:59:49 AM



#26
Cyclohexane
Concen: 19.023 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 56 Resp: 110214
Ion Ratio Lower Upper
56 100
89 0.0 1.4 2.2#
84 84.7 68.2 102.4





#27

1,2-Dichloroethane-d4

Concen: 29.887 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 65 Resp: 107432

Ion Ratio Lower Upper

65 100

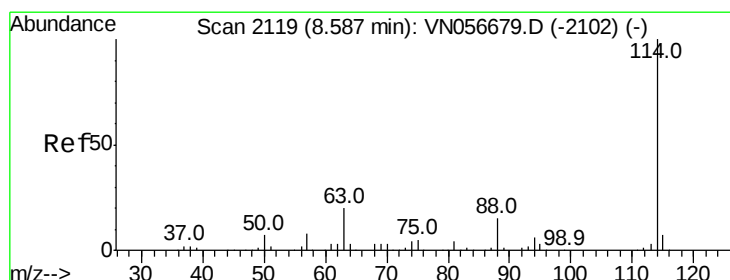
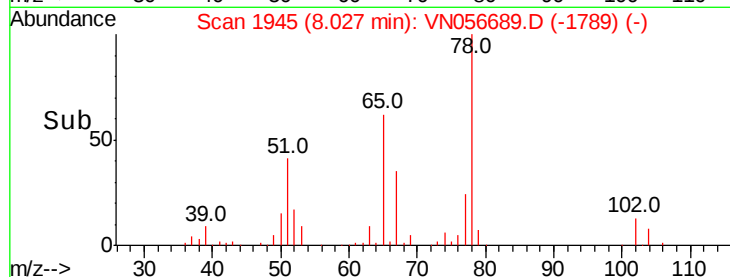
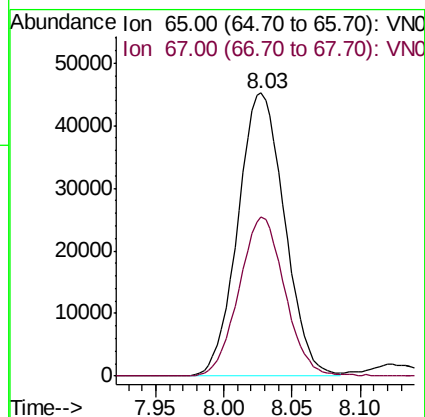
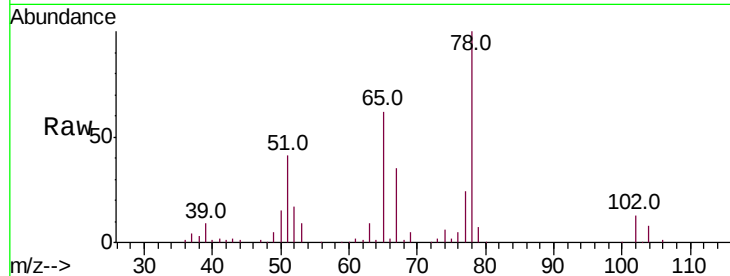
67 54.9 43.4 65.0

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

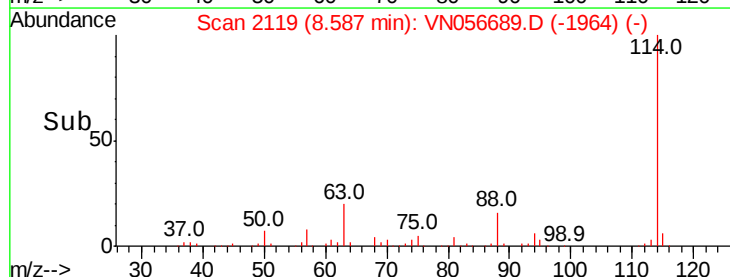
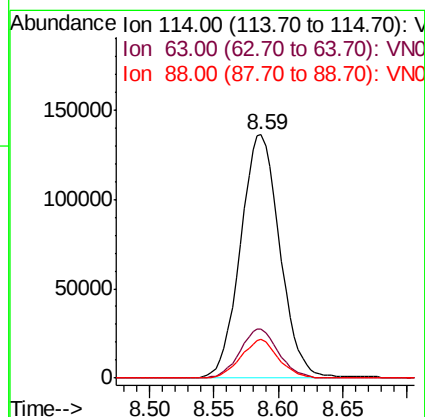
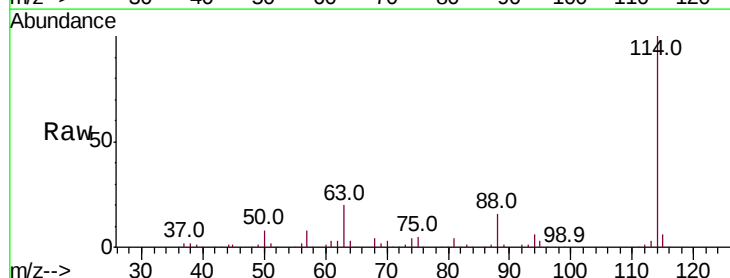
Tgt Ion: 114 Resp: 289342

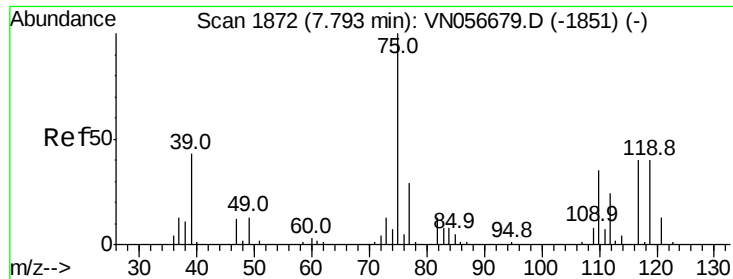
Ion Ratio Lower Upper

114 100

63 19.7 16.2 24.2

88 15.1 12.3 18.5





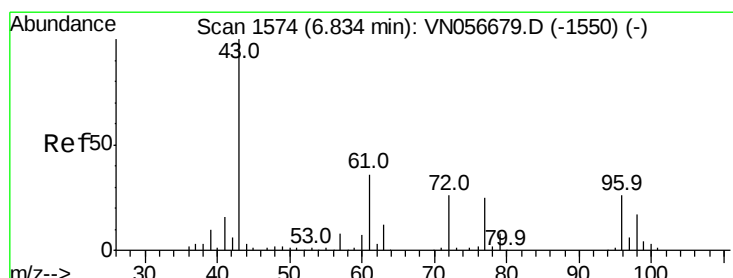
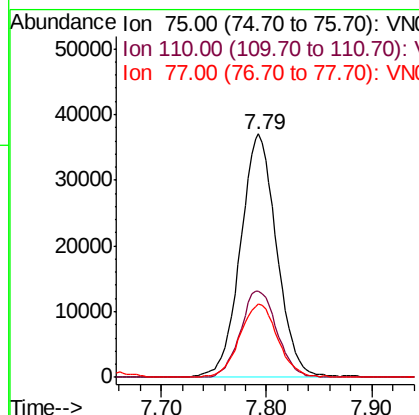
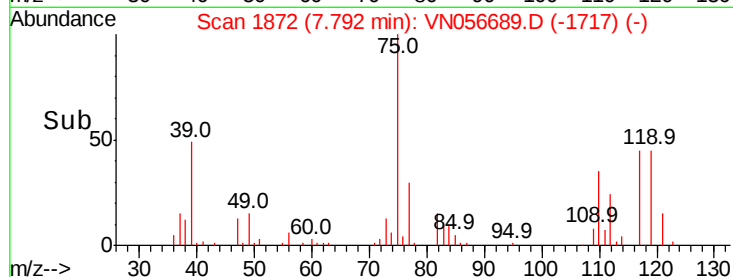
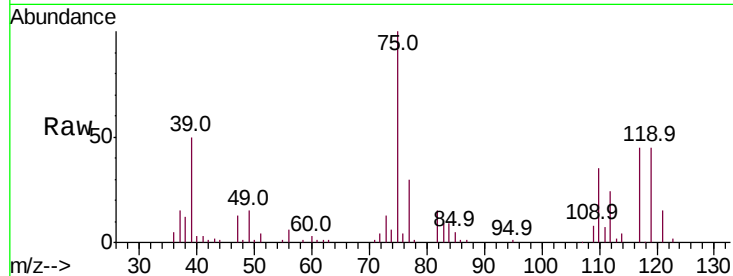
#29
 1,1-Dichloropropene
 Concen: 19.219 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	72.4
77	31.4	0.0	62.2

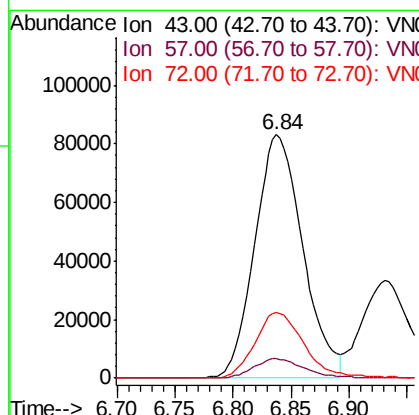
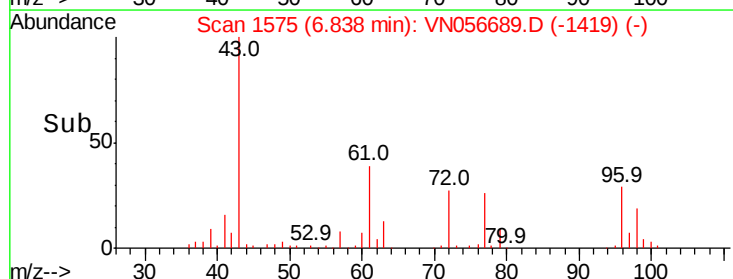
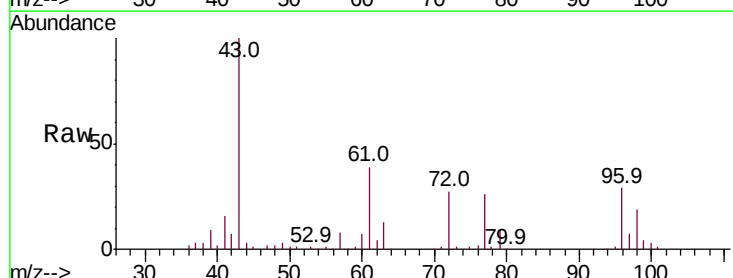
Manual Integrations
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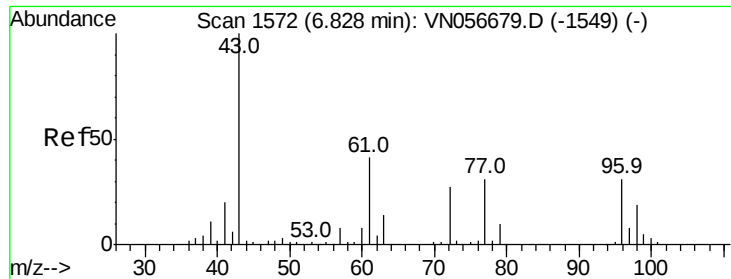
MMDadoda
 7/16/2019 9:59:49 AM



#30
 2-Butanone
 Concen: 89.300 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	10.0
72	27.7	21.3	31.9





#31

2,2-Dichloropropane

Concen: 18.250 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 77 Resp: 81236

Ion Ratio Lower Upper

77 100

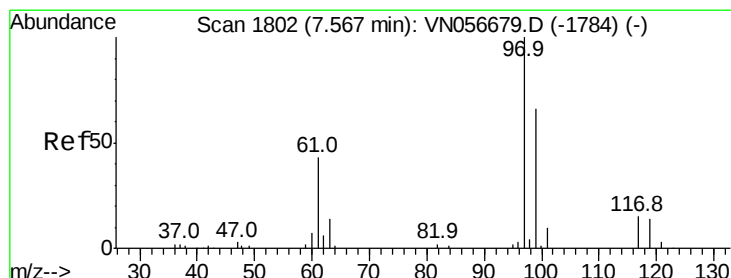
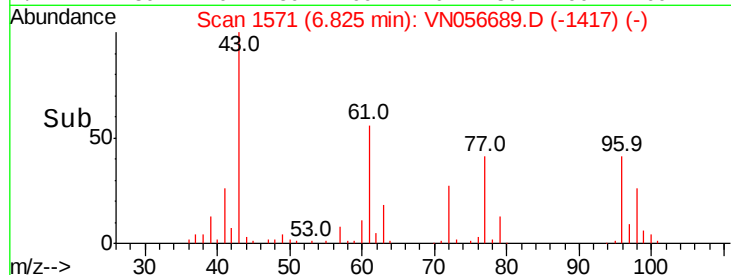
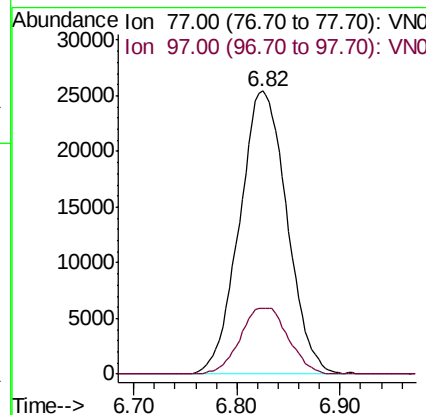
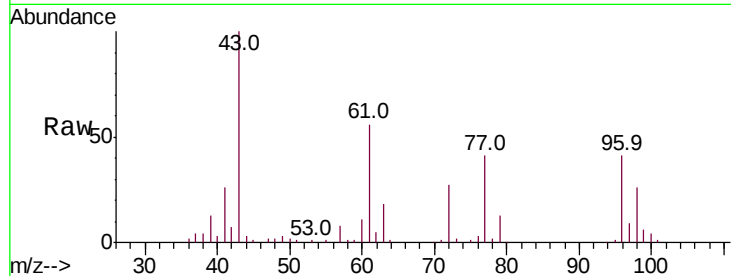
97 11.7 19.7 29.5#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.685 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

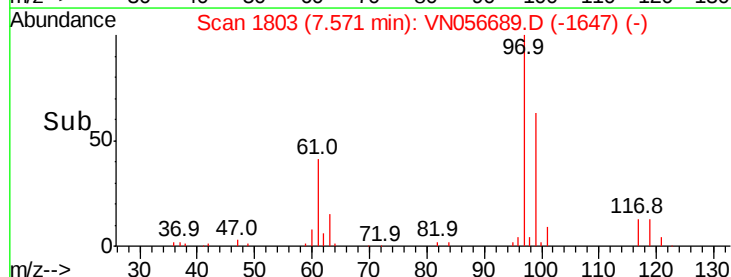
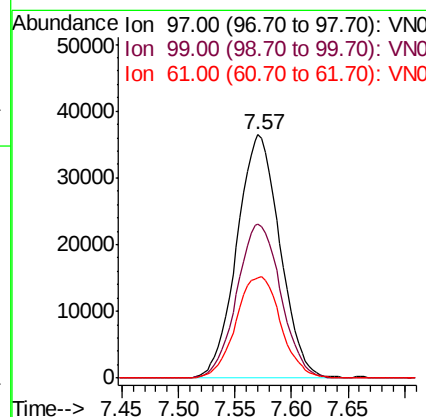
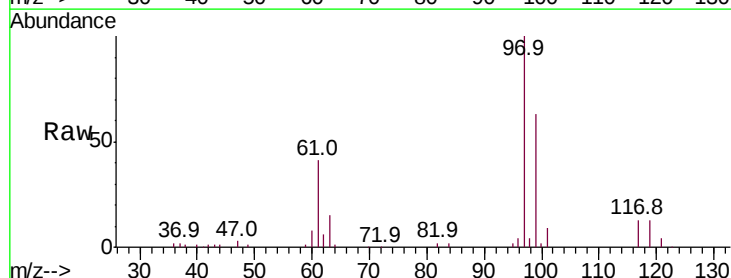
Tgt Ion: 97 Resp: 96507

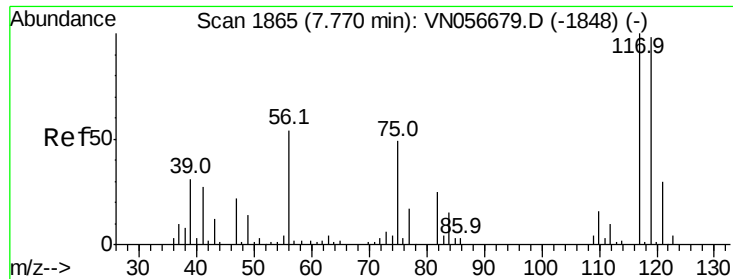
Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

61 43.3 34.4 51.6





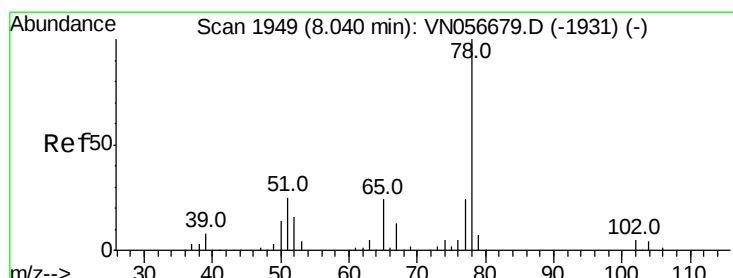
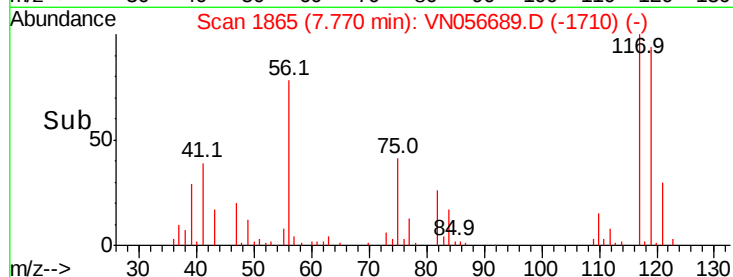
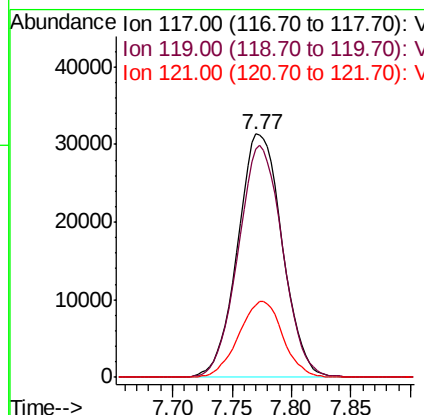
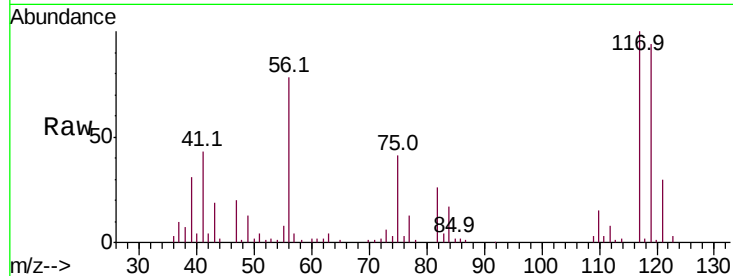
#33
Carbon Tetrachloride
Concen: 19.267 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.9	78.7	118.1
121	29.7	24.0	36.0

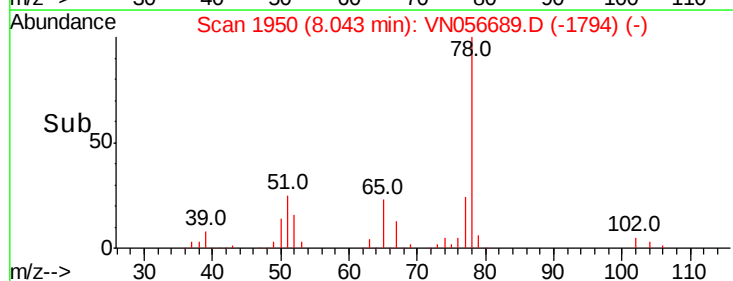
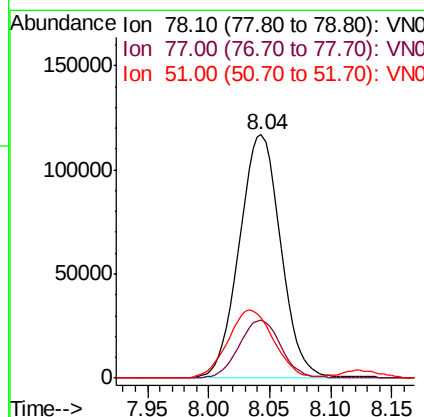
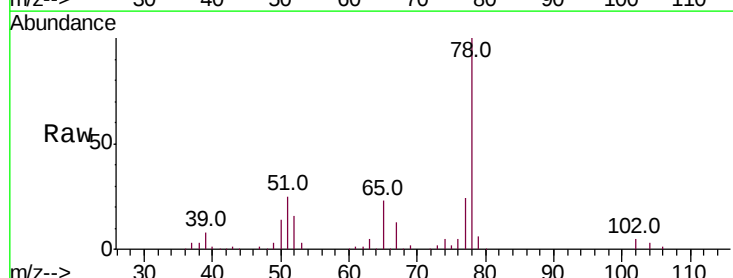
Manual Integrations
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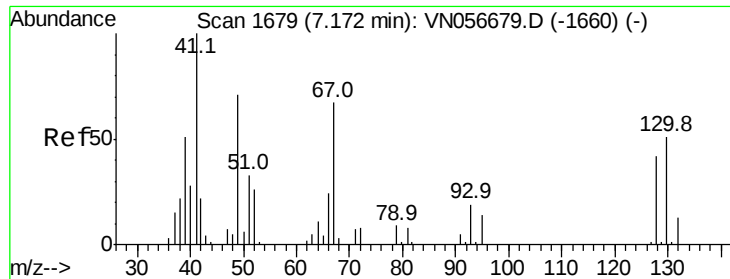
MMDadoda
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#34
Benzene
Concen: 19.515 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4
51	24.3	19.7	29.5





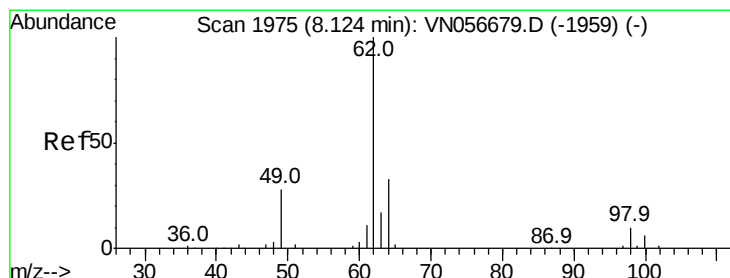
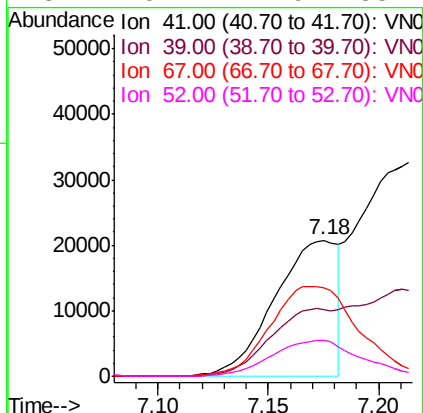
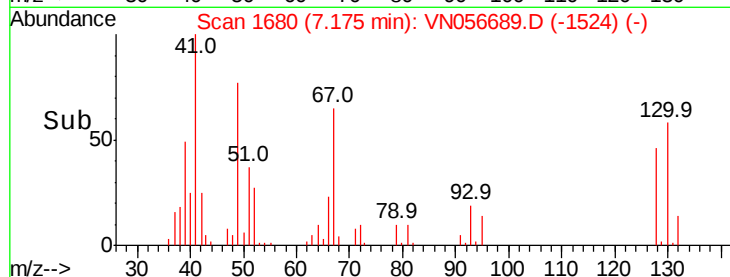
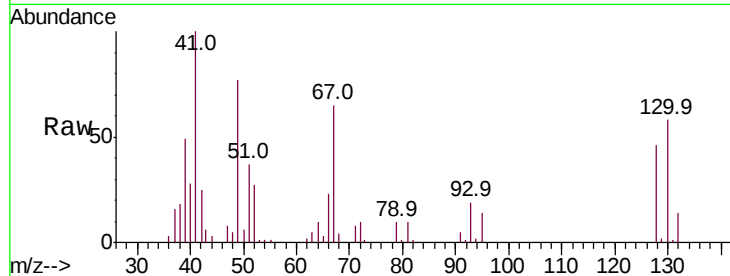
#35
Methacrylonitrile
Concen: 20.311 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion:	41	Resp:	41319
Ion	Ratio	Lower	Upper
41	100		
39	48.8	25.4	76.2
67	65.2	33.6	100.8
52	26.7	12.9	38.7

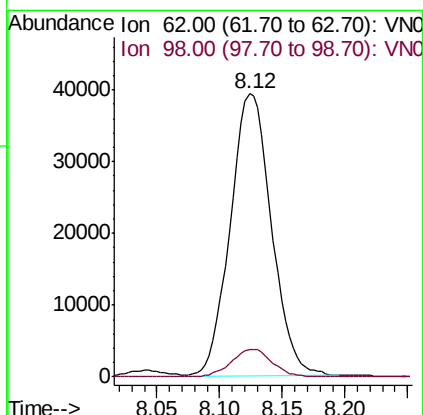
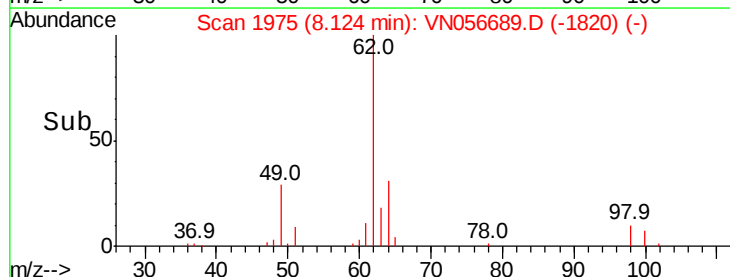
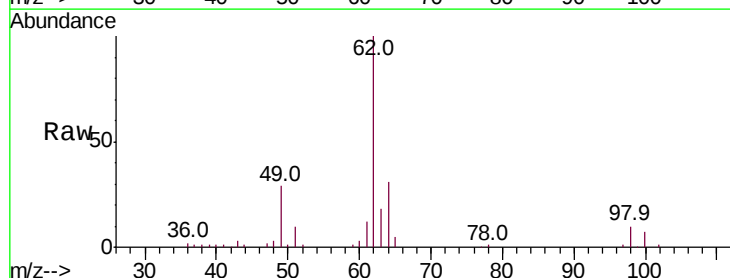
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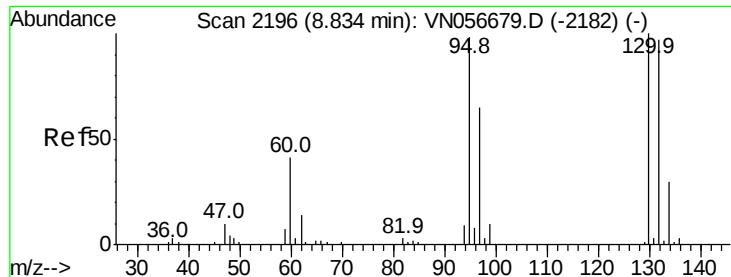
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#36
1,2-Dichloroethane
Concen: 19.712 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion:	62	Resp:	89482
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.7	11.5





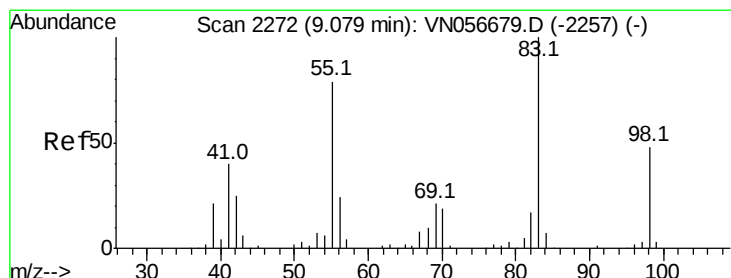
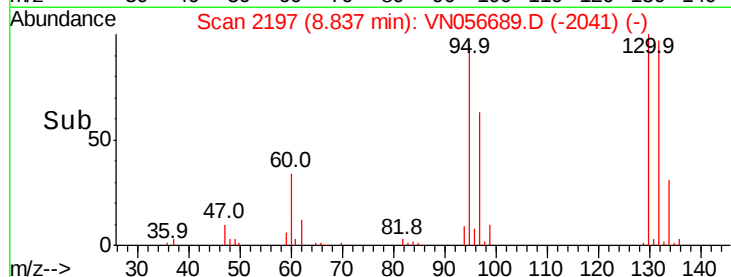
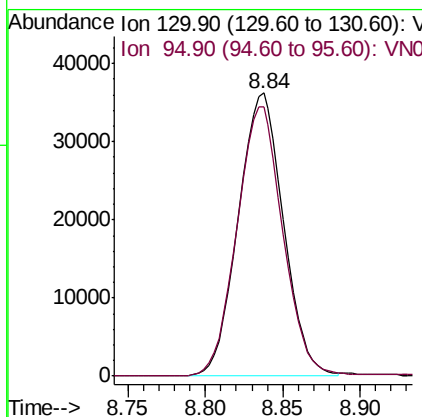
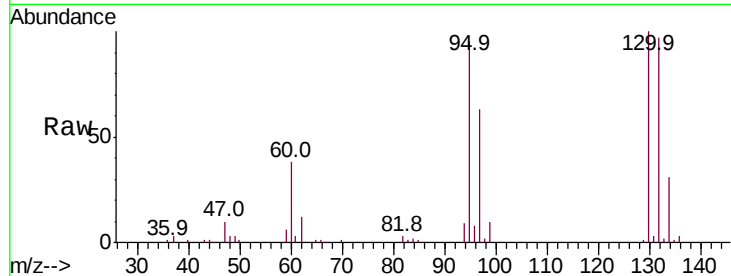
#37
 Trichloroethene
 Concen: 19.214 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion:130 Resp: 73745
 Ion Ratio Lower Upper
 130 100
 95 95.1 78.4 117.6

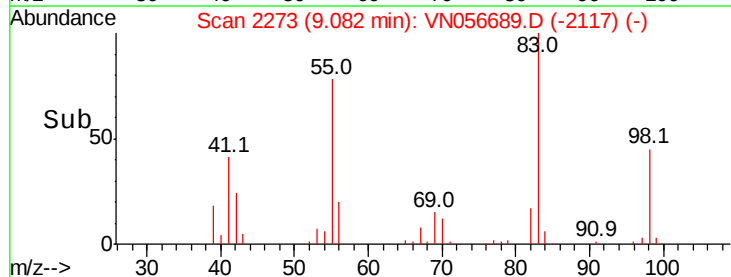
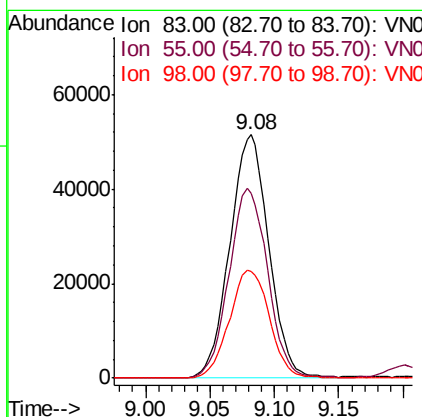
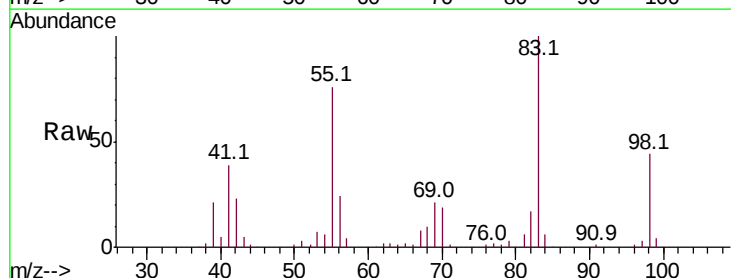
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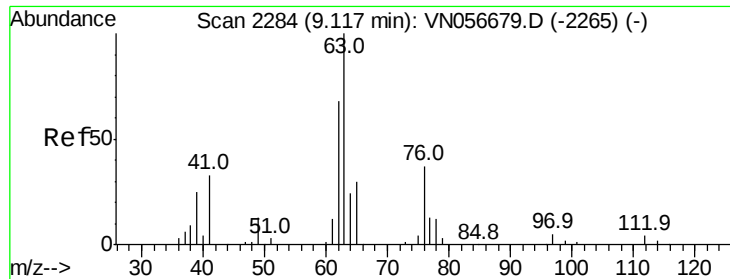
MMDadoda
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#38
 Methylcyclohexane
 Concen: 18.621 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 83 Resp: 108194
 Ion Ratio Lower Upper
 83 100
 55 77.5 38.4 115.2
 98 45.6 23.3 69.9





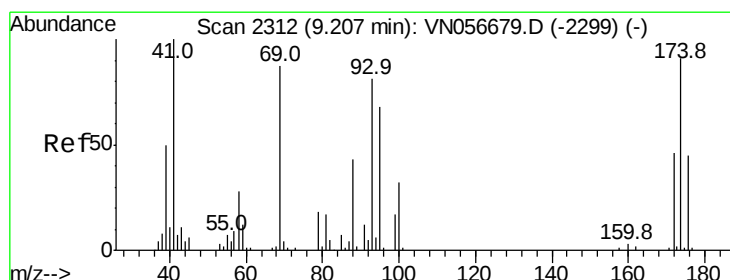
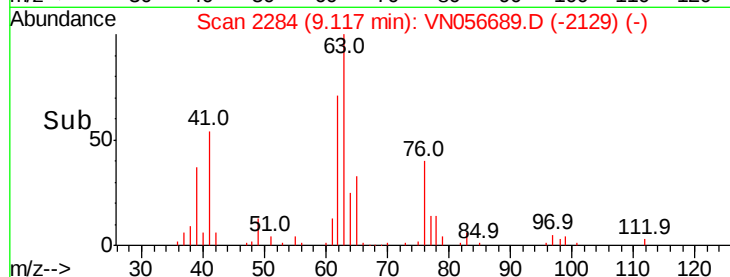
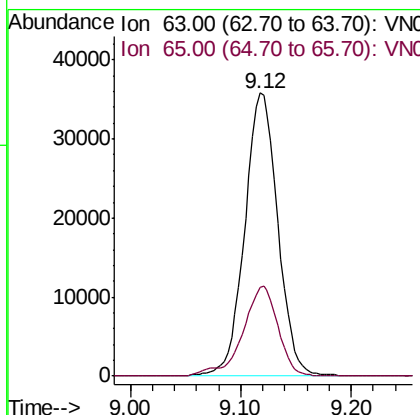
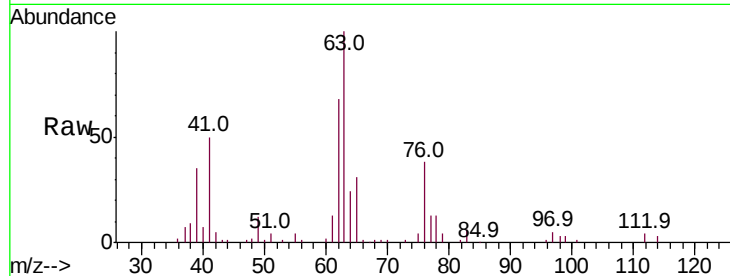
#39
 1,2-Dichloropropane
 Concen: 19.652 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion: 63 Resp: 74544
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

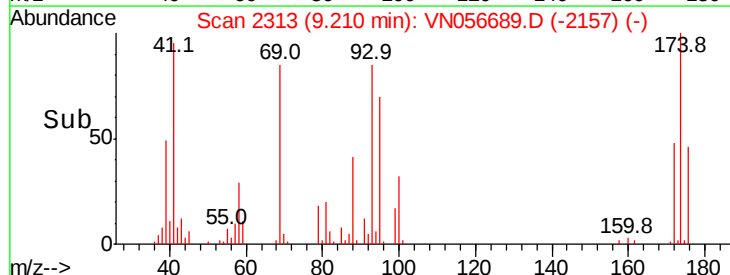
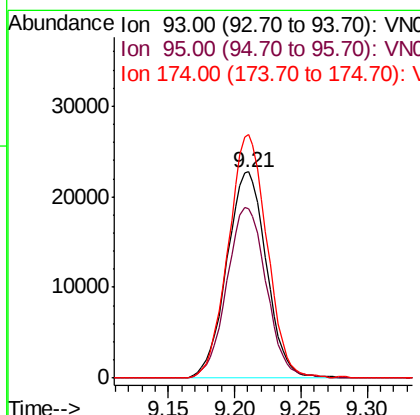
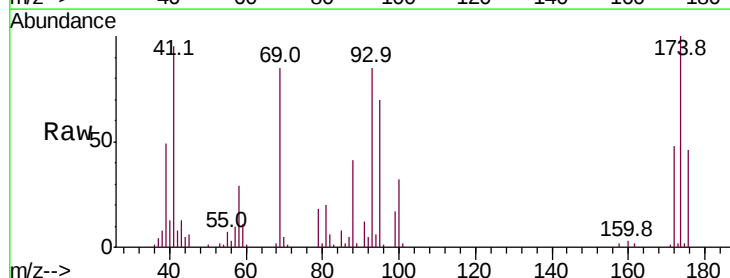
Manual Integrations
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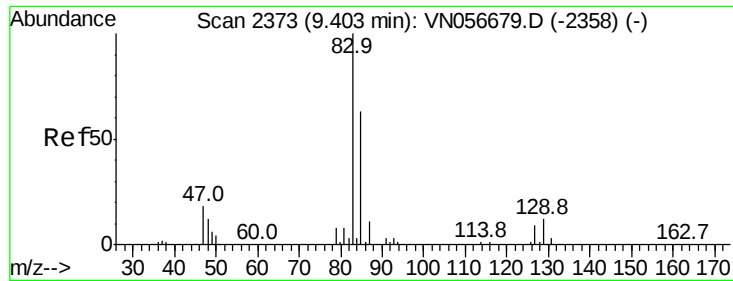
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#40
 Dibromomethane
 Concen: 19.585 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion: 93 Resp: 47318
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 167.0
 174 115.1 0.0 224.2





#41

Bromodichloromethane

Concen: 19.365 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

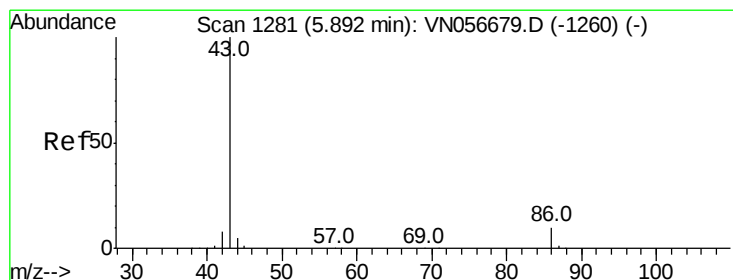
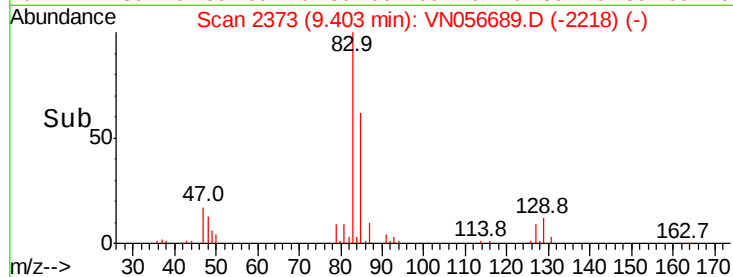
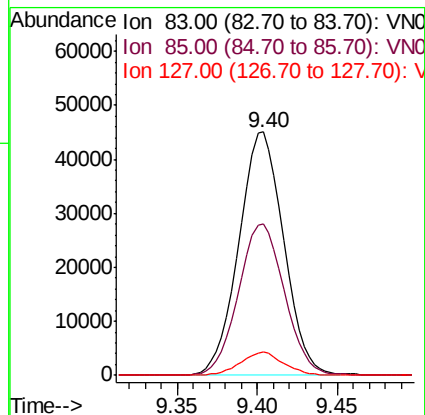
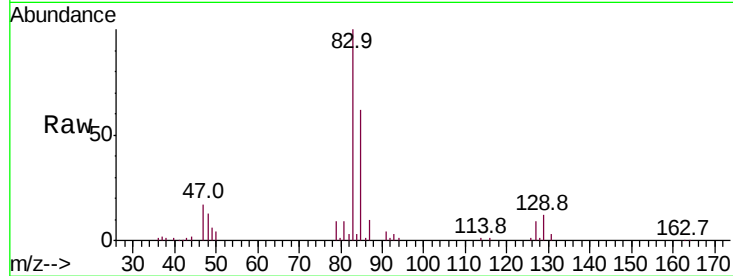
ClientSampleId :

VN0713WBSD01

Tot Ion:	83	Resp:	86227
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.1	75.1
127	9.5	7.0	10.4

Manual Integrations
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MMDadoda
7/16/2019 9:59:49 AM



#42

Vinyl Acetate

Concen: 98.737 ug/l

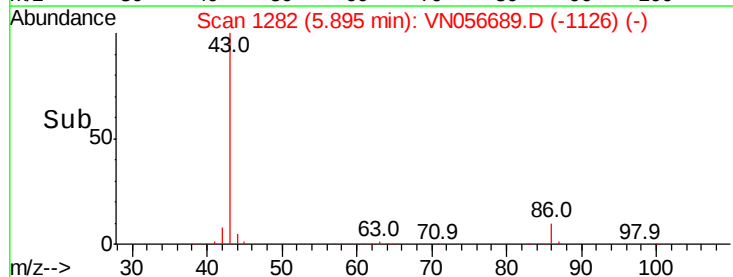
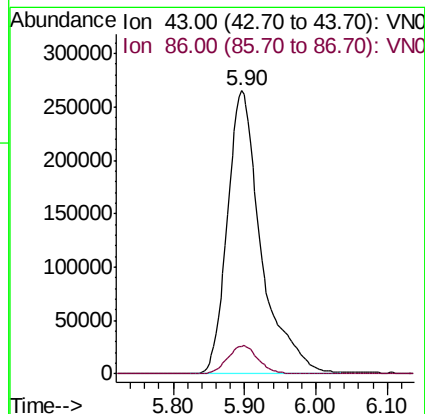
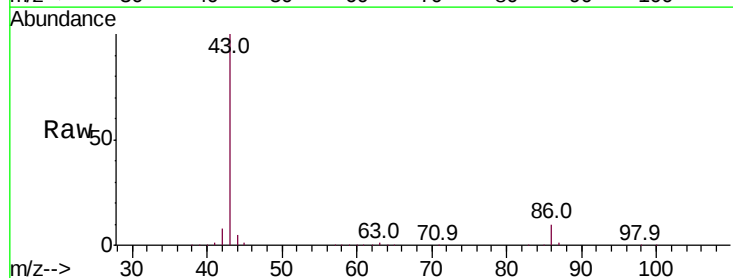
RT: 5.90 min Scan# 1282

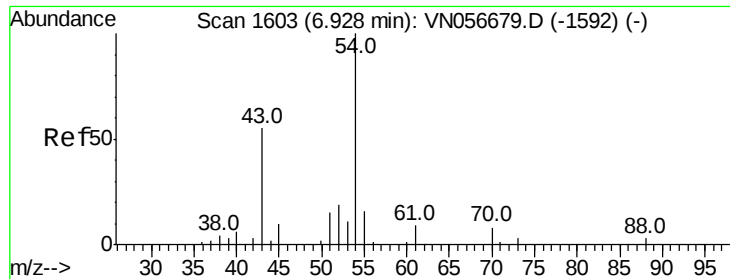
Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	43	Resp:	875063
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.4	11.2





#43

Ethyl Acetate

Concen: 19.543 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tot Ion: 43 Resp: 94043

Ion Ratio Lower Upper

43 100

45 12.9 11.2 16.8

Instrument :

MSVOA_N

ClientSampleId :

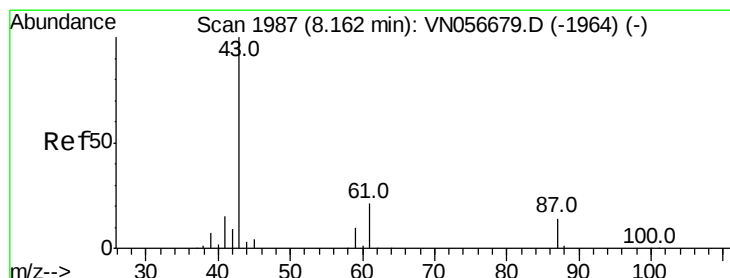
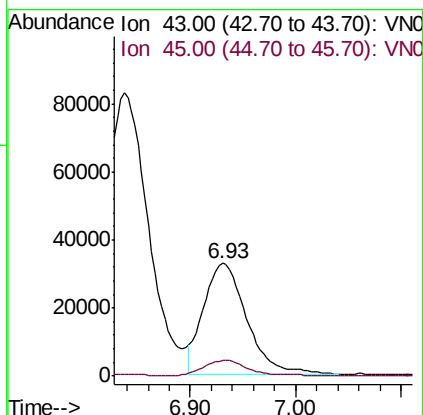
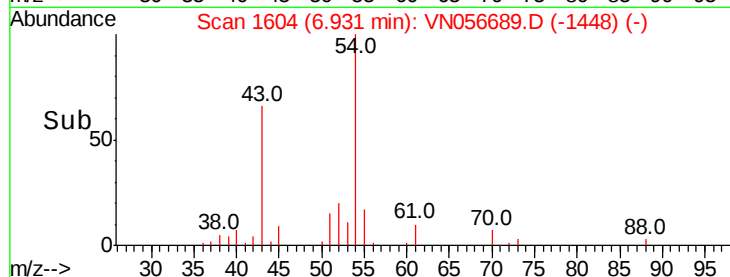
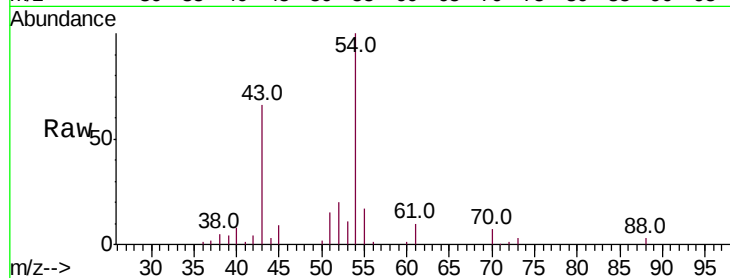
VN0713WBSD01

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#44

Isopropyl Acetate

Concen: 19.322 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056689.D

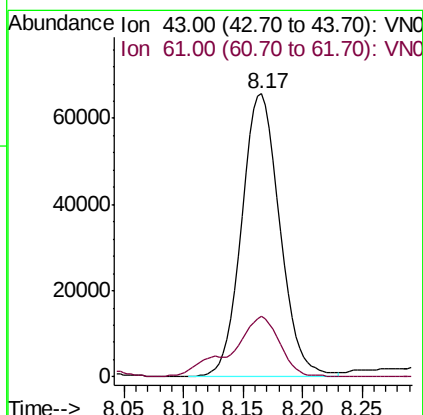
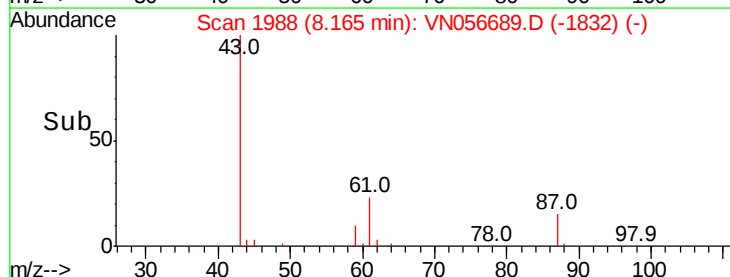
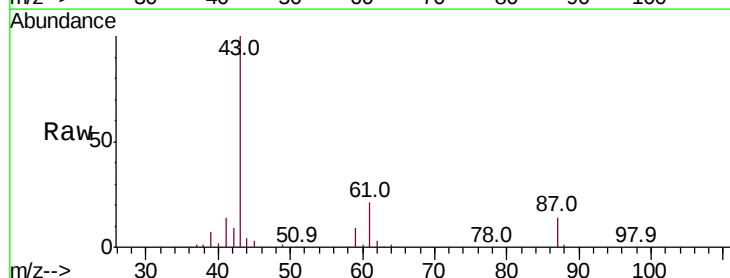
Acq: 12 Jul 2019 14:49

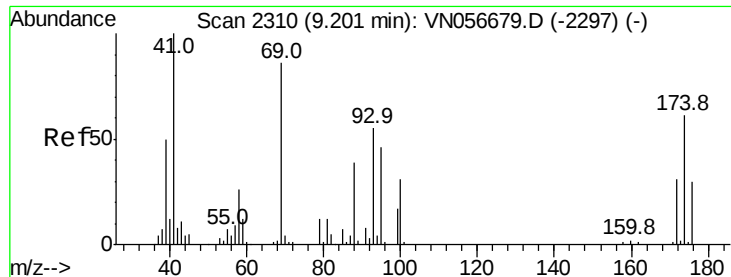
Tgt Ion: 43 Resp: 145022

Ion Ratio Lower Upper

43 100

61 21.6 22.6 33.8#





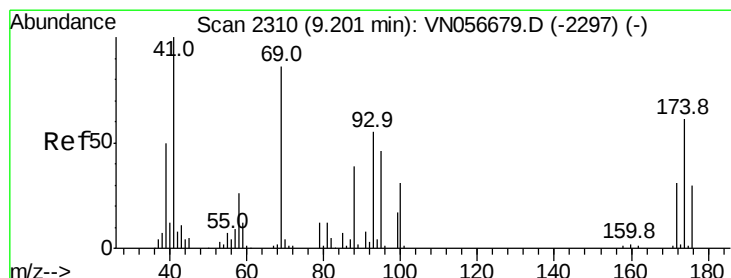
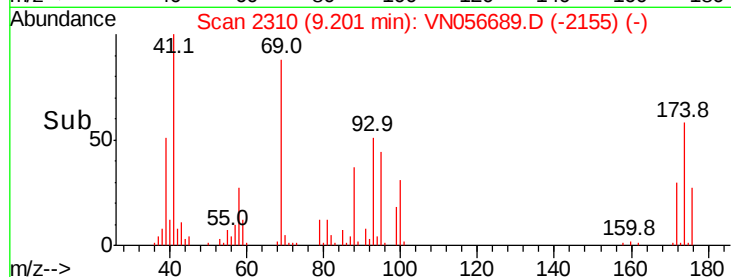
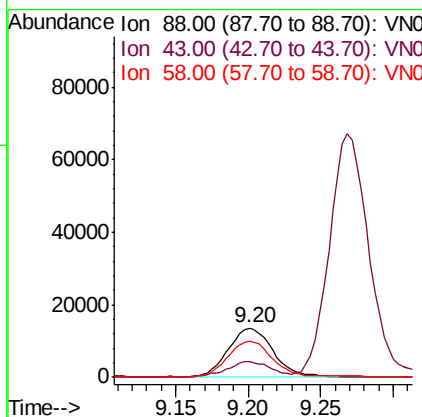
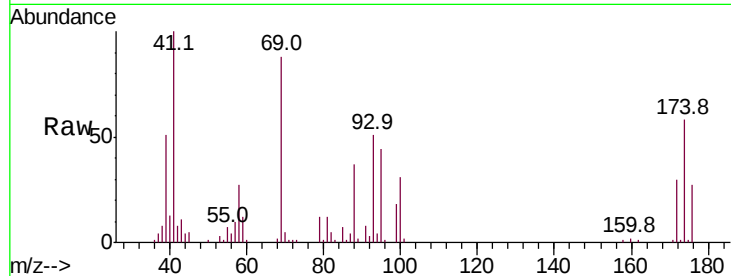
#45
1,4-Dioxane
Concen: 388.331 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	88	Resp	29486
Ion	Ratio	Lower	Upper
88	100		
43	28.1	23.0	34.6
58	72.2	54.6	81.8

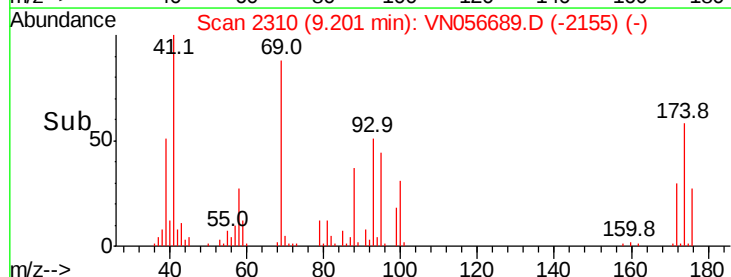
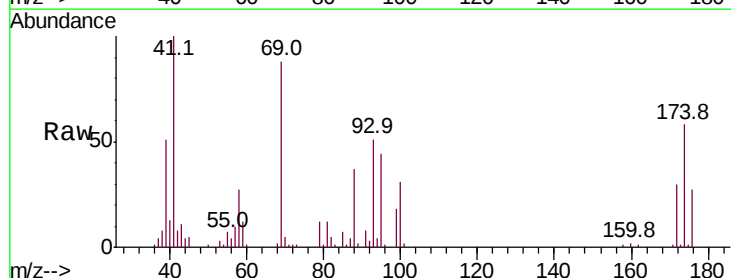
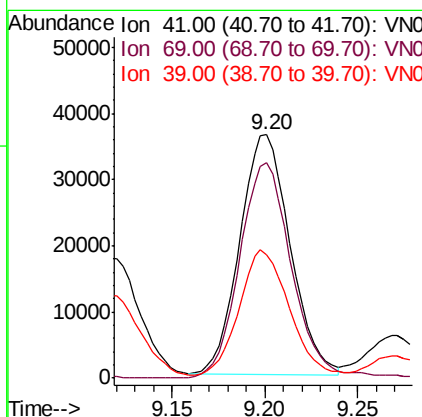
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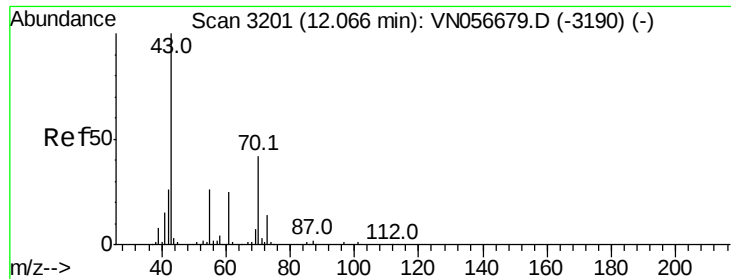
MMDadoda
7/16/2019 9:59:49 AM



#46
Methyl methacrylate
Concen: 19.003 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	41	Resp	68518
Ion	Ratio	Lower	Upper
41	100		
69	90.1	43.0	129.0
39	50.2	25.1	75.4





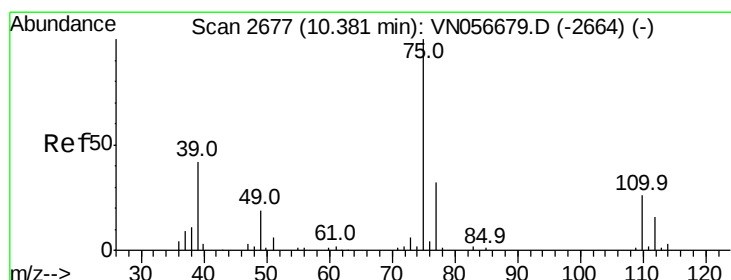
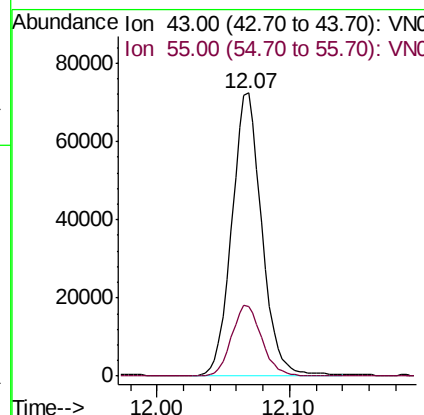
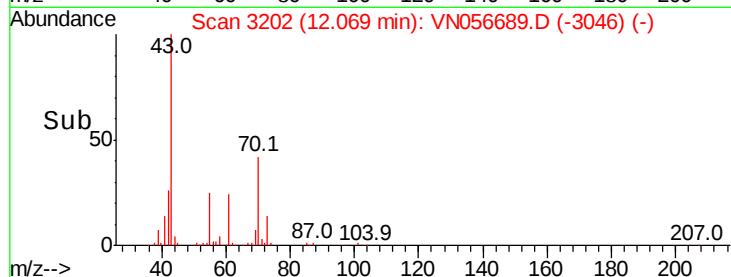
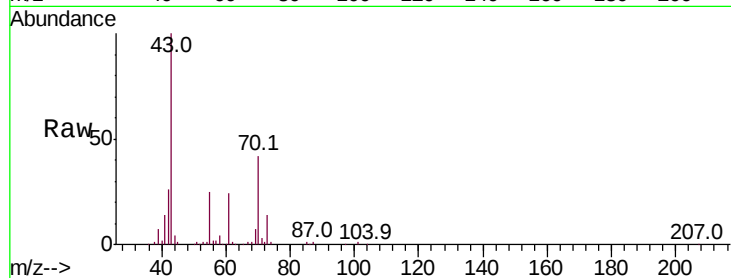
#47
n-amvl Acetate
Concen: 18.395 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion: 43 Resp: 112910
Ion Ratio Lower Upper
43 100
55 25.3 20.7 31.1

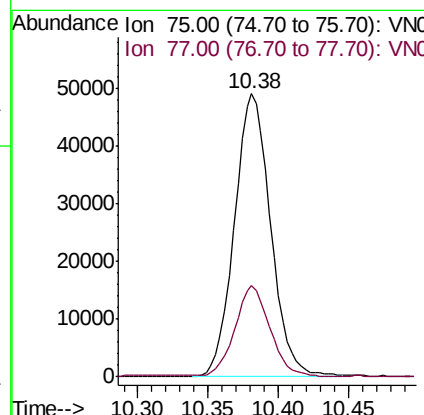
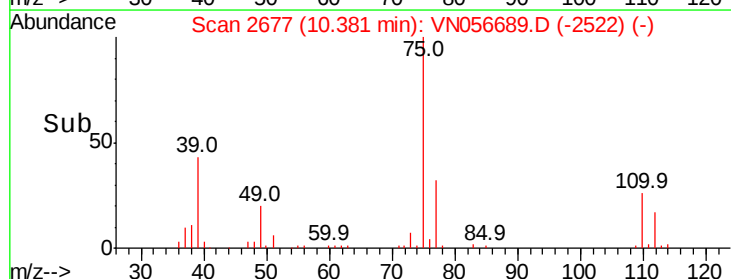
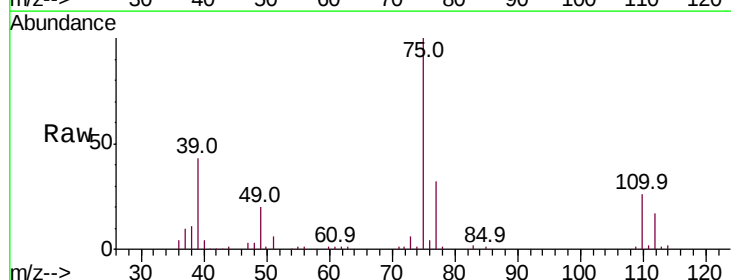
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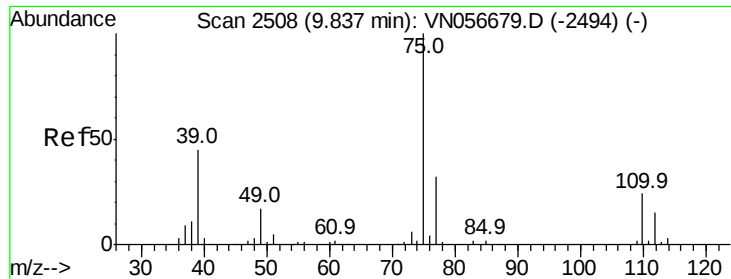
MMDadoda
7/16/2019 9:59:49 AM



#48
t-1,3-Dichloropropene
Concen: 18.036 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 75 Resp: 88339
Ion Ratio Lower Upper
75 100
77 31.9 25.7 38.5





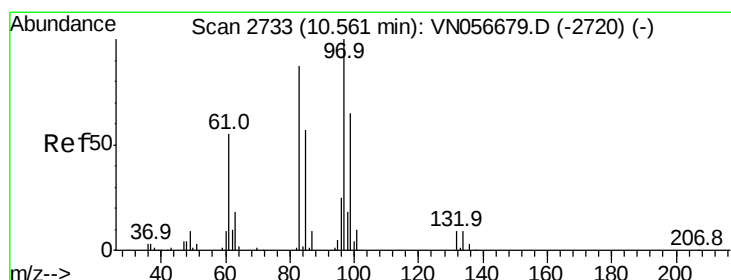
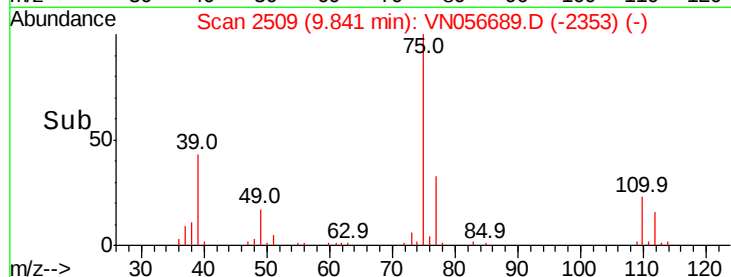
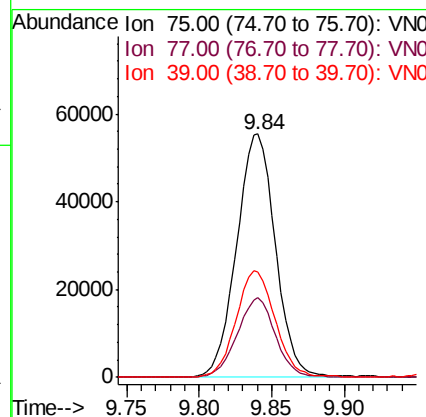
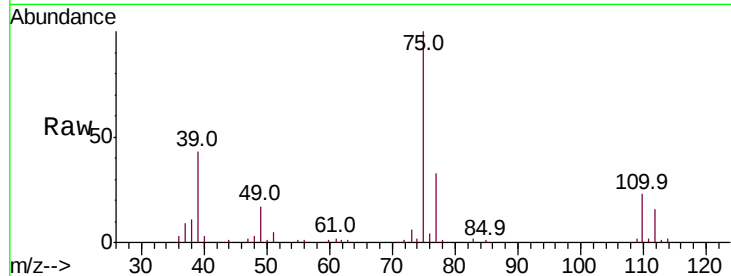
#49
 cis-1,3-Dichloropropene
 Concen: 18.614 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	26.0	39.0
39	43.1	36.2	54.4

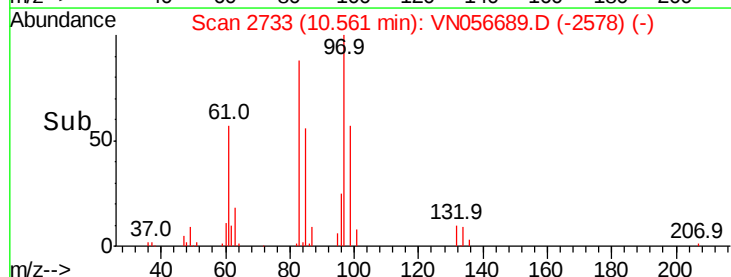
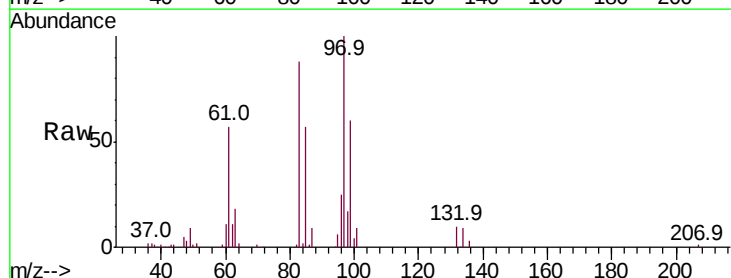
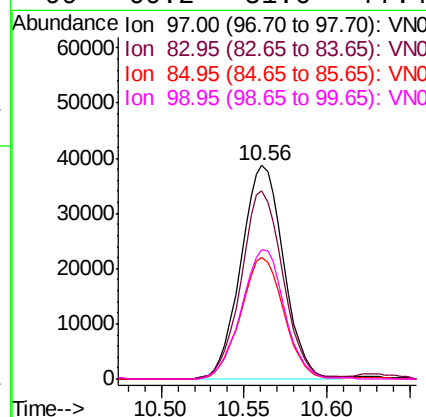
Manual Integrations
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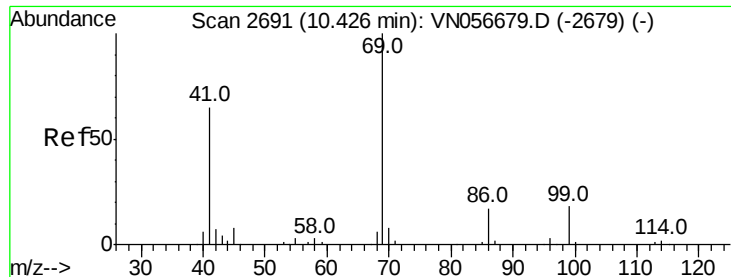
MMDadoda
 7/16/2019 9:59:49 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.676 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.2	103.8
85	56.8	45.3	67.9
99	60.2	51.6	77.4





#51

Ethyl methacrylate

Concen: 19.160 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

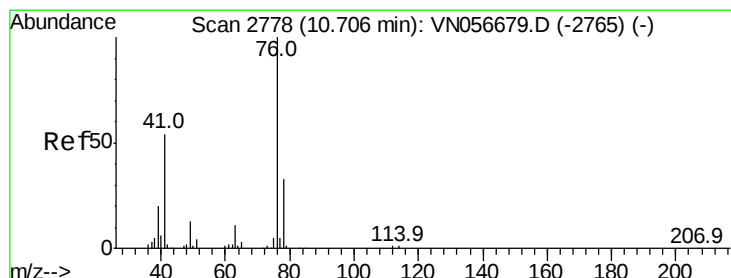
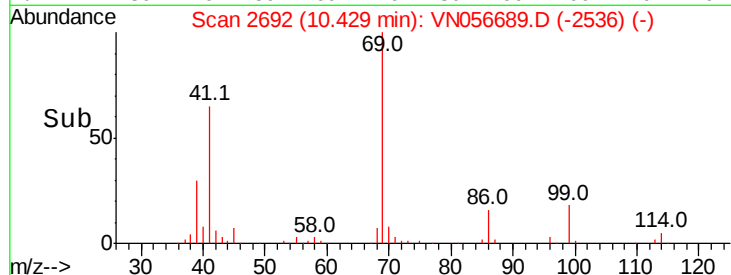
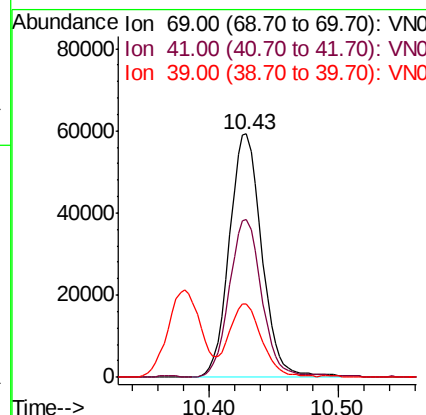
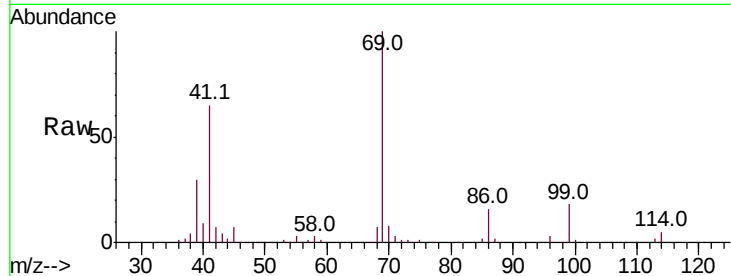
ClientSampleId :

VN0713WBSD01

Tot Ion:	69	Resp:	103736
Ion Ratio	Lower	Upper	
69	100		
41	64.6	32.8	98.3
39	29.6	15.4	46.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 19.601 ug/l

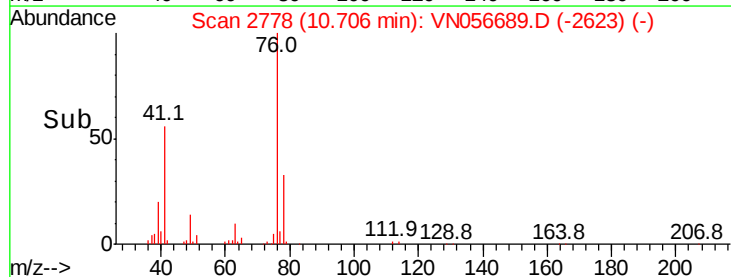
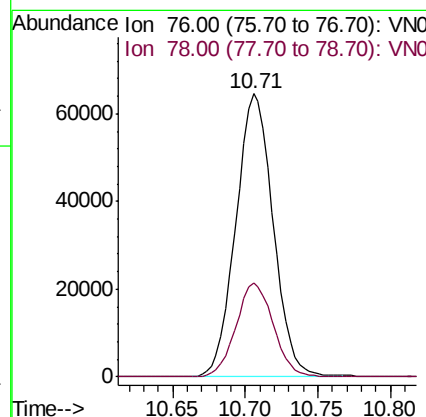
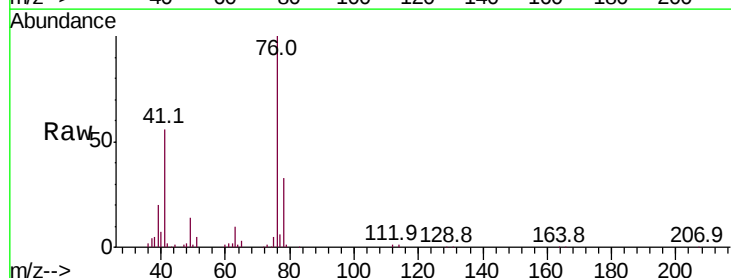
RT: 10.71 min Scan# 2778

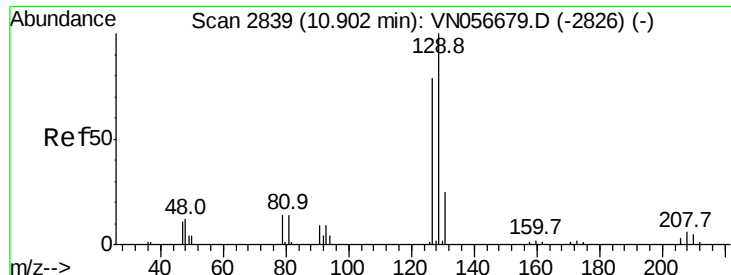
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	76	Resp:	115442
Ion Ratio	Lower	Upper	
76	100		
78	33.2	0.0	63.6





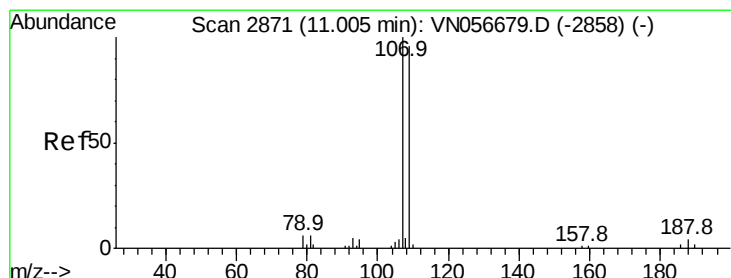
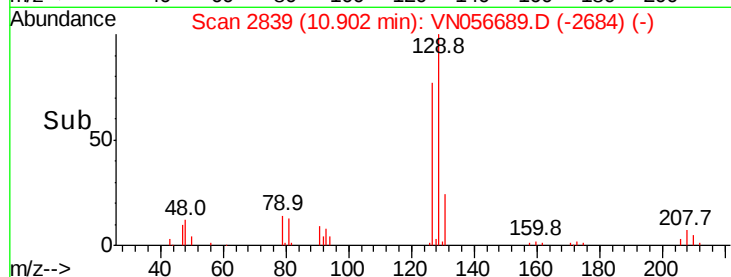
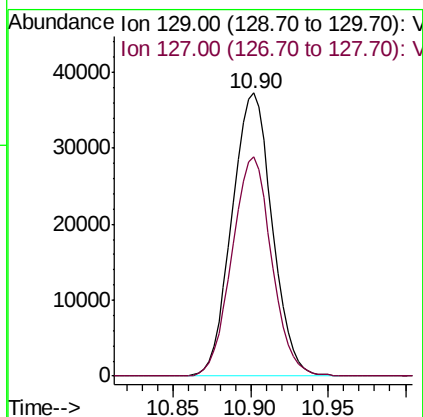
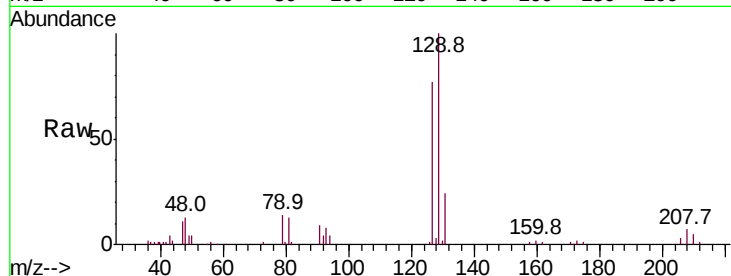
#53
Dibromochloromethane
Concen: 18.939 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion:129 Resp: 67375
Ion Ratio Lower Upper
129 100
127 76.5 38.7 116.1

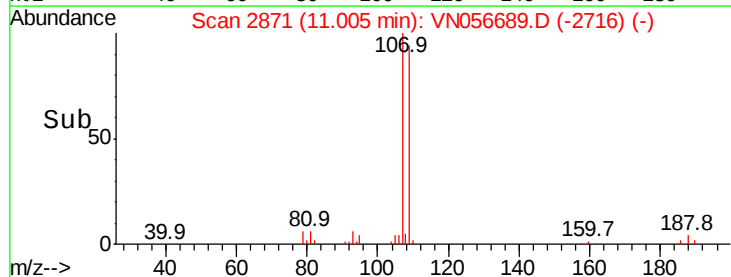
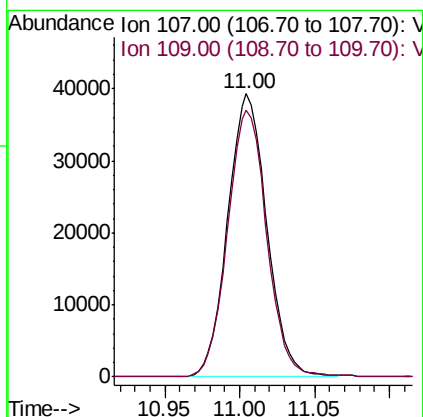
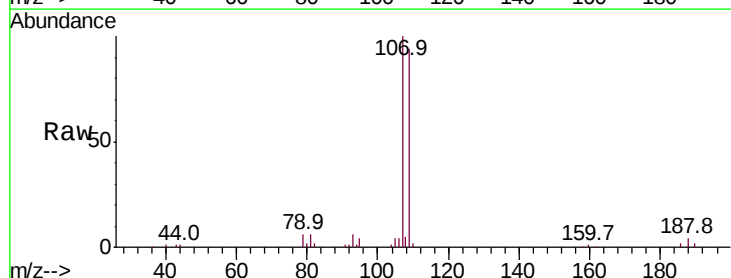
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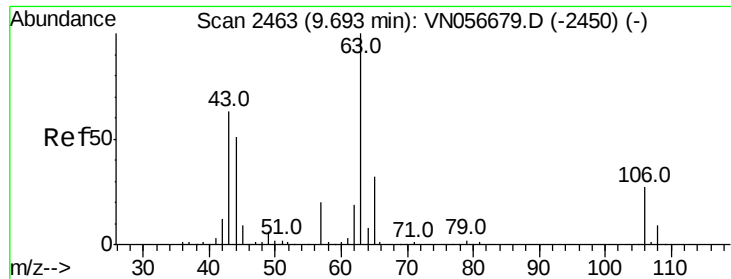
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#54
1,2-Dibromoethane
Concen: 19.510 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion:107 Resp: 71373
Ion Ratio Lower Upper
107 100
109 94.6 77.9 116.9





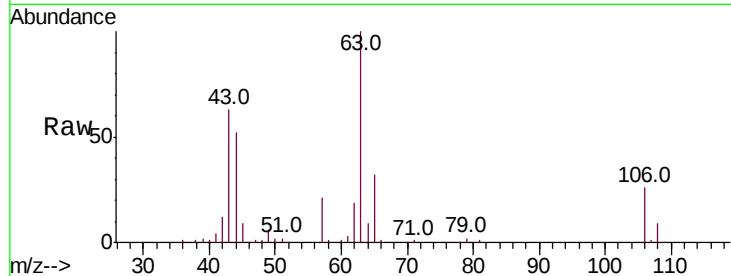
#55
2-Chloroethyl vinyl ether
Concen: 98.047 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.2	37.8
106	26.6	21.6	32.4

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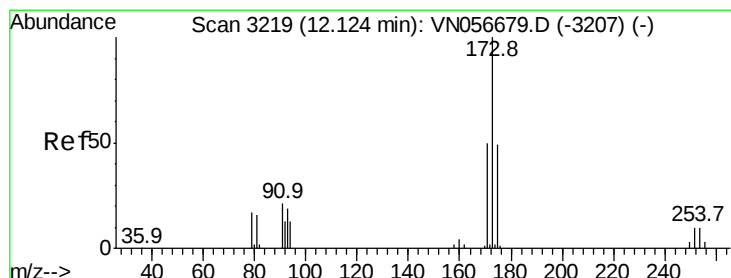
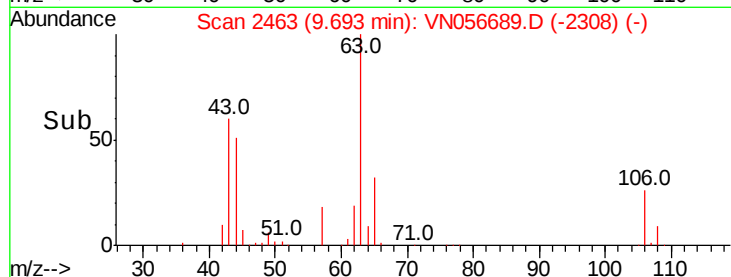
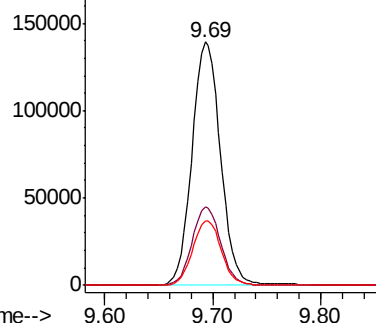


Abundance

Ion 63.00 (62.70 to 63.70): VN056679.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN056679.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN056679.D (-2450) (-)



#56
Bromoform
Concen: 18.176 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

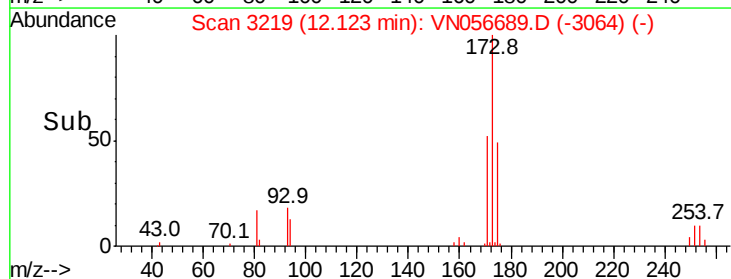
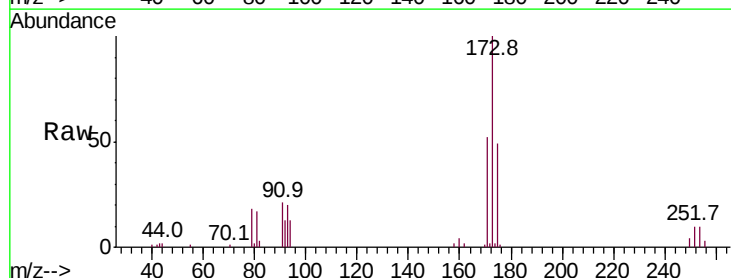
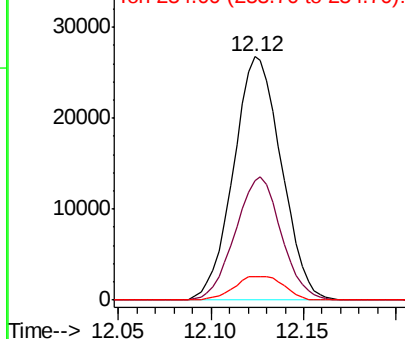
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.7	59.5
254	10.0	7.8	11.8

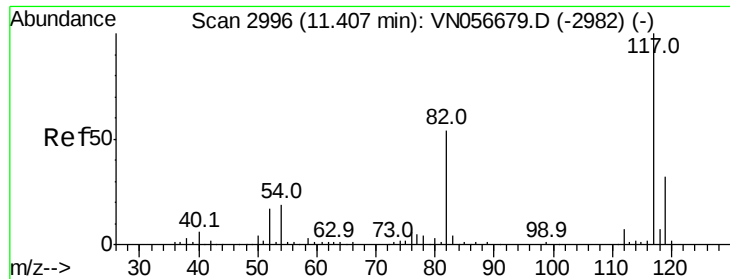
Abundance

Ion 173.00 (172.70 to 173.70): VN056679.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN056679.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN056679.D (-3207) (-)





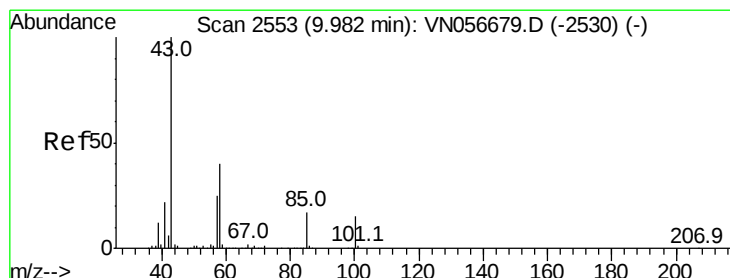
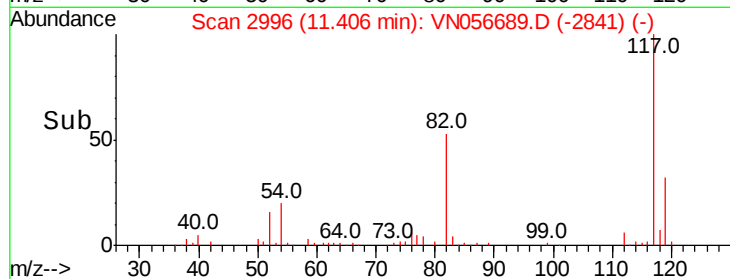
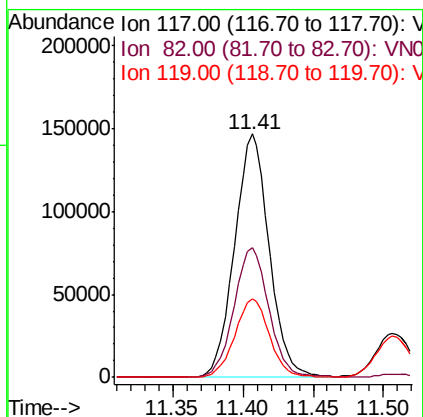
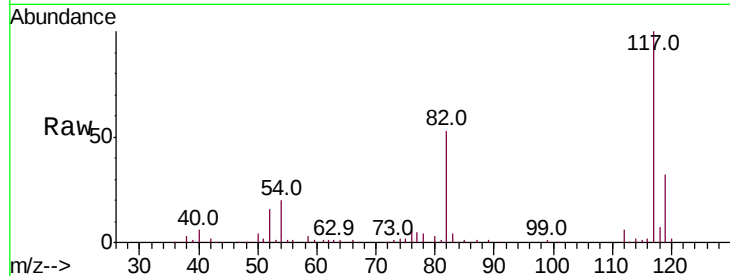
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.0	64.4
119	32.3	26.0	39.0

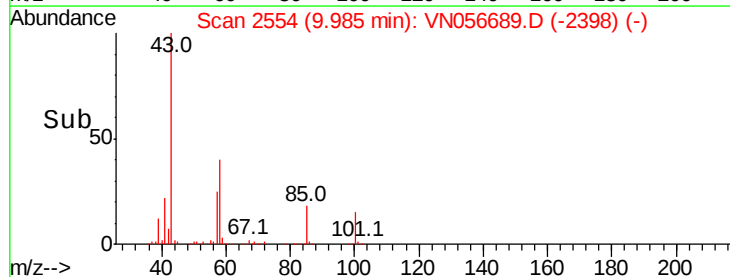
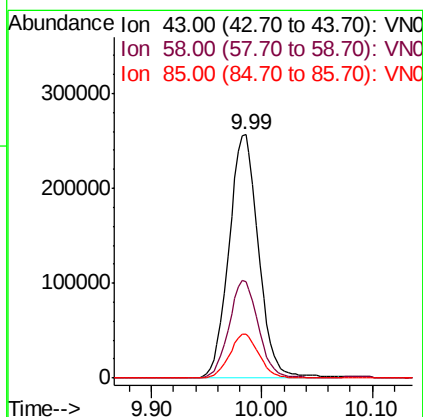
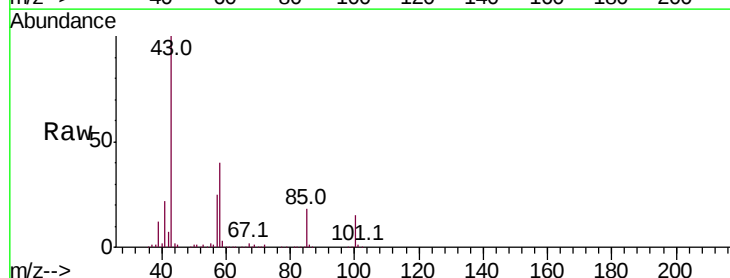
Manual Integrations
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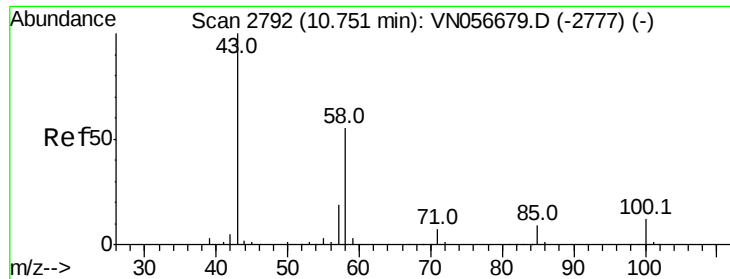
MMDadoda
7/16/2019 9:59:49 AM



#58
4-Methyl-2-Pentanone
Concen: 100.303 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.9	47.9
85	17.9	14.2	21.4





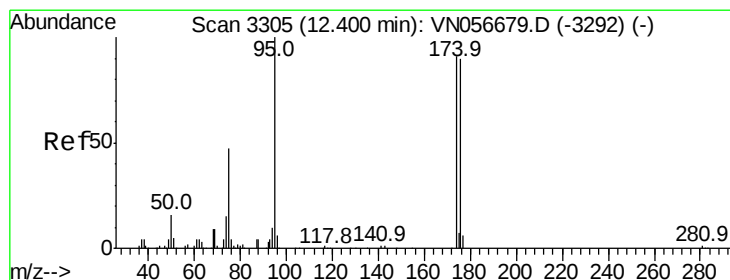
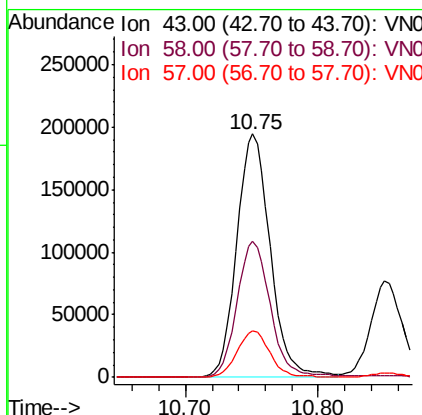
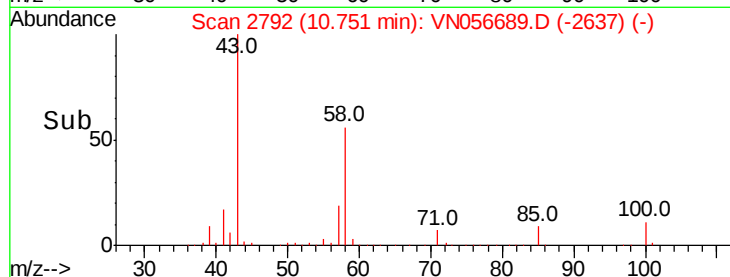
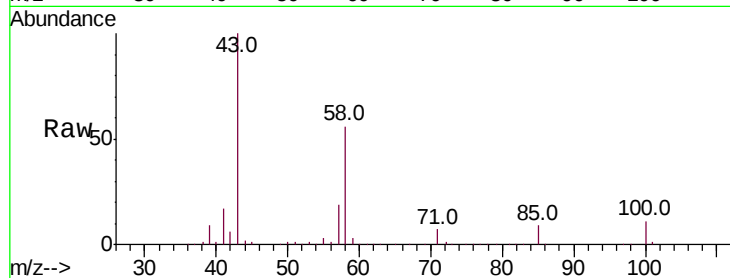
#59
2-Hexanone
Concen: 94.676 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	44.4	66.6
57	18.8	15.2	22.8

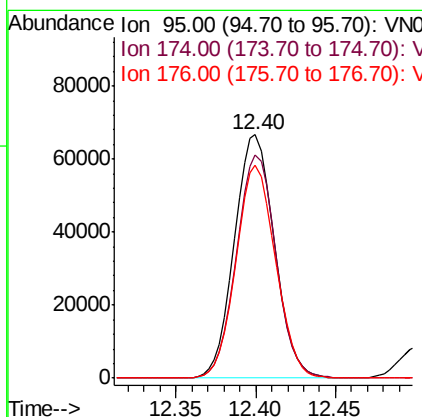
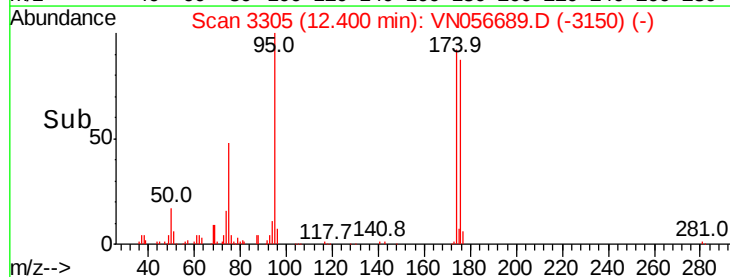
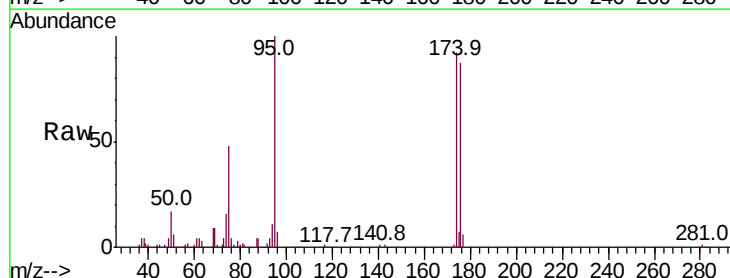
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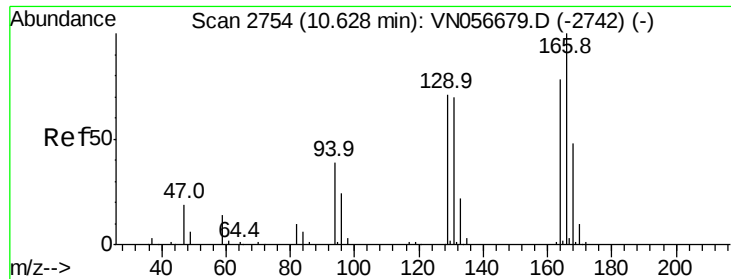
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#60
4-Bromofluorobenzene
Concen: 29.407 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.5	72.6	108.8
176	86.3	71.0	106.6





#61

Tetrachloroethene

Concen: 20.496 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion:164 Resp: 74424

Ion Ratio Lower Upper

164 100

166 127.0 102.3 153.5

129 87.5 72.6 108.8

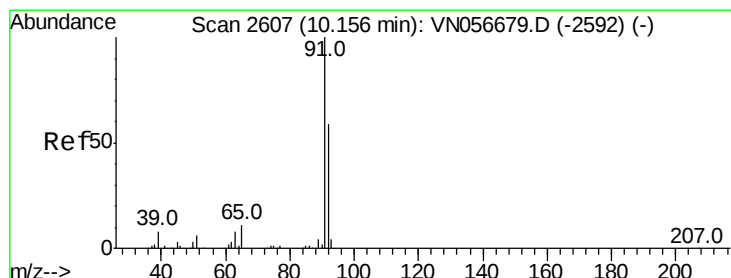
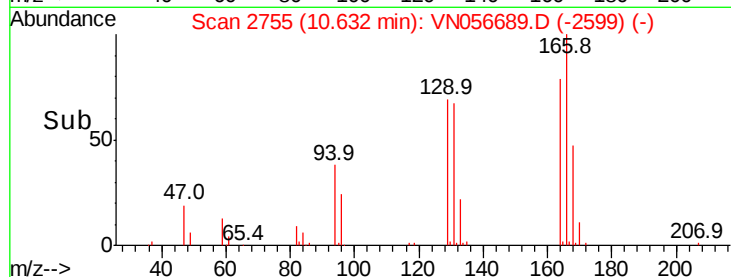
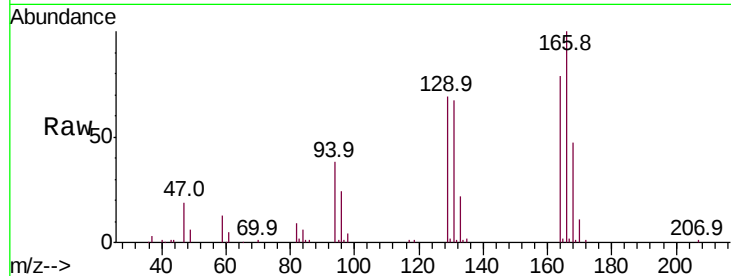
131 85.6 71.4 107.2

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#62

Toluene

Concen: 20.106 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN056689.D

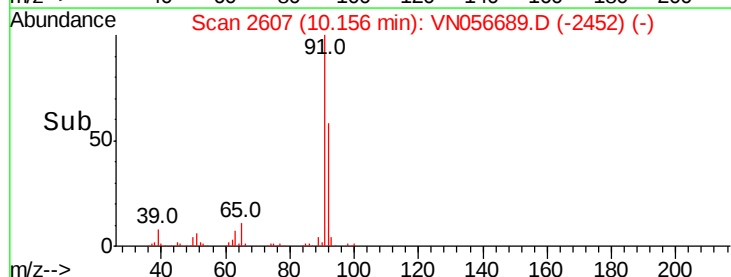
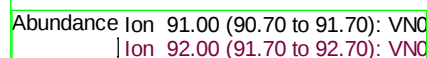
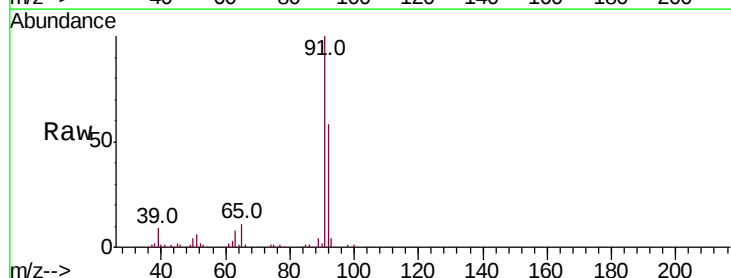
Acq: 12 Jul 2019 14:49

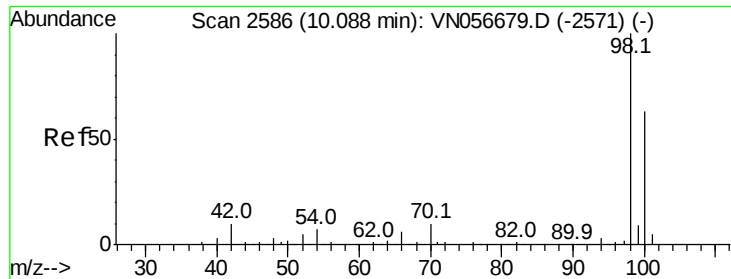
Tgt Ion: 91 Resp: 298425

Ion Ratio Lower Upper

91 100

92 57.2 46.7 70.1





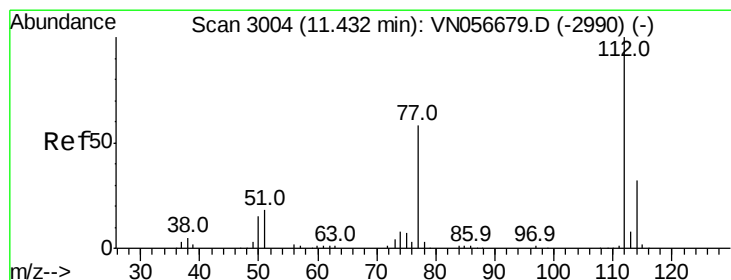
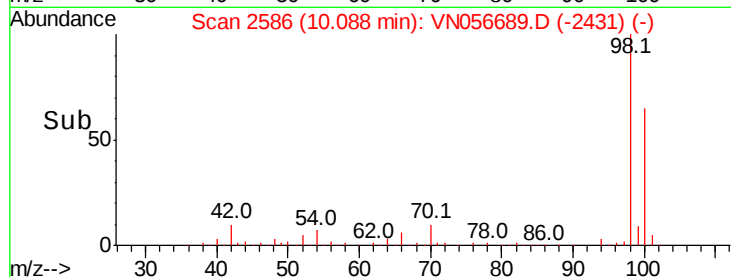
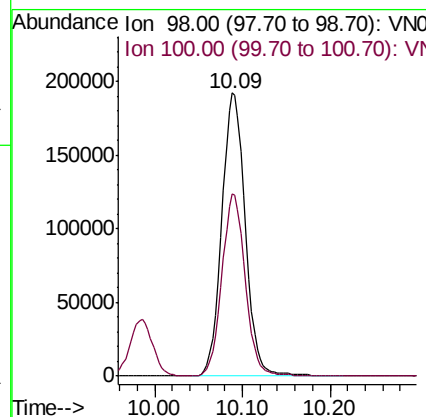
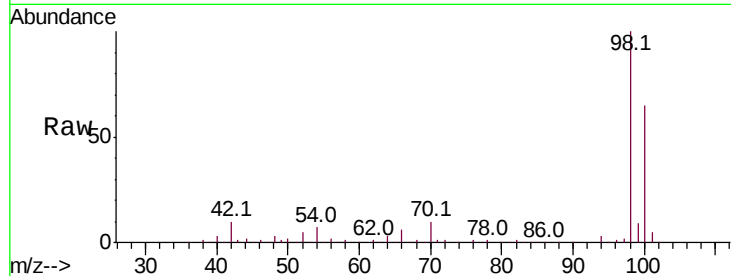
#63
Toluene-d8
Concen: 31.047 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion: 98 Resp: 358475
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

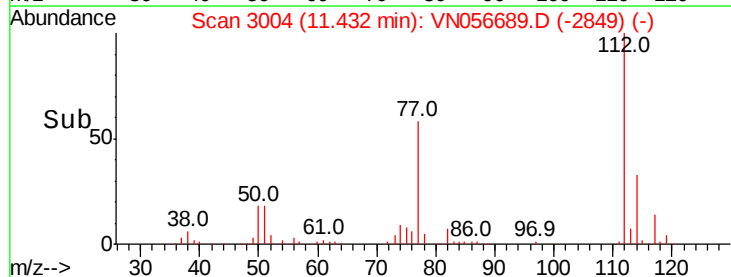
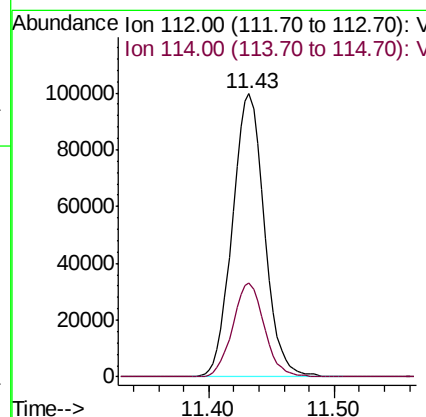
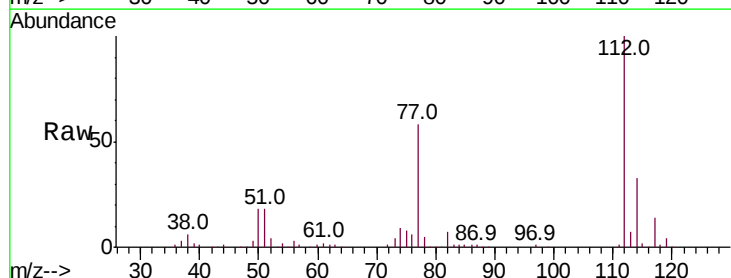
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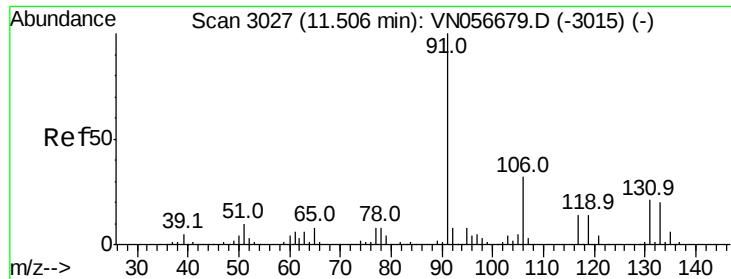
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#64
Chlorobenzene
Concen: 19.513 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion: 112 Resp: 176638
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9





#65

1,1,1,2-Tetrachloroethane

Concen: 19.684 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

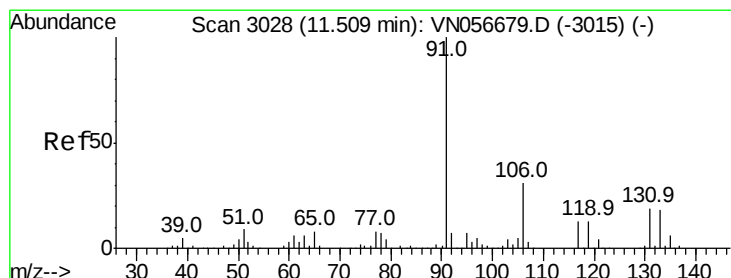
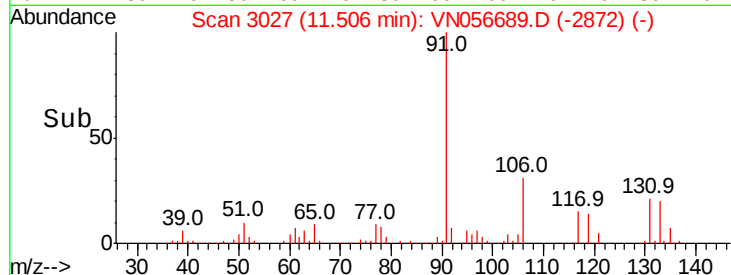
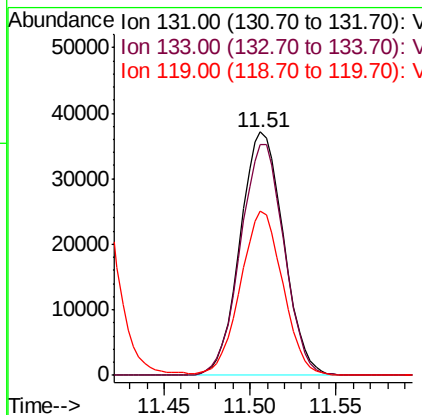
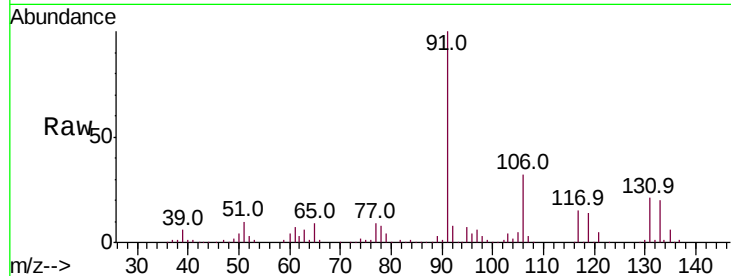
ClientSampleId :

VN0713WBSD01

Tot Ion:	131	Resp:	65329
Ion	Ratio	Lower	Upper
131	100		
133	94.9	0.0	191.4
119	65.9	0.0	133.4

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#66

Ethyl Benzene

Concen: 19.219 ug/l

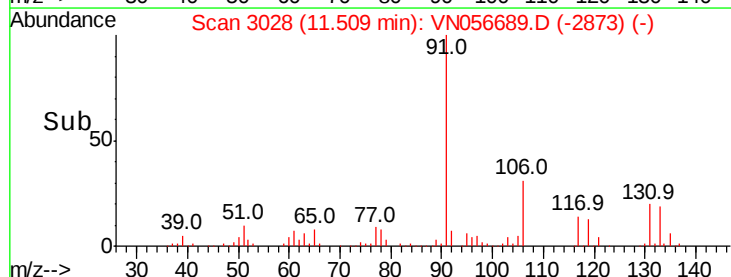
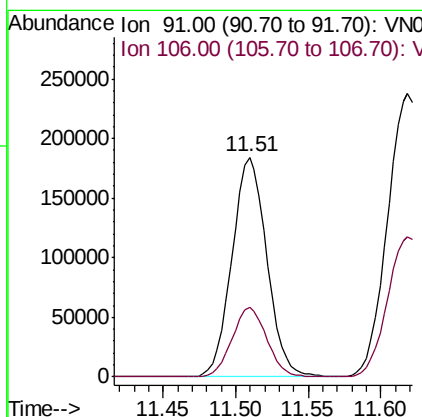
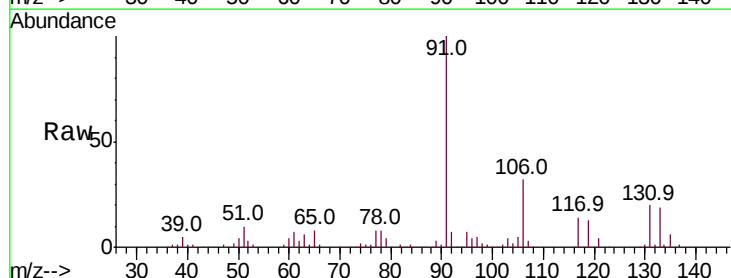
RT: 11.51 min Scan# 3028

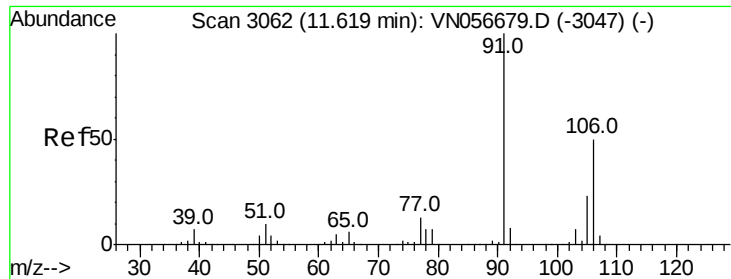
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	91	Resp:	308337
Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.1	37.7





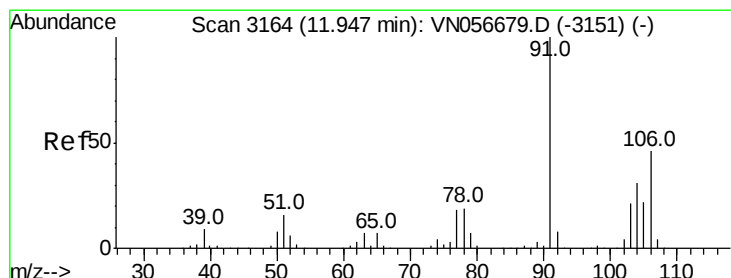
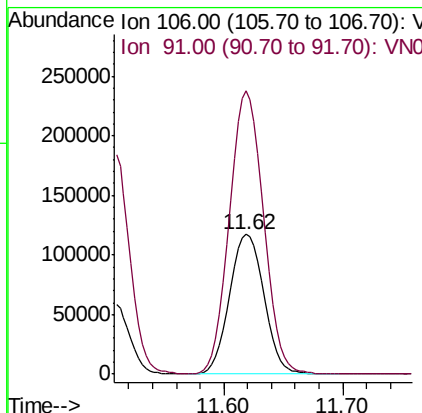
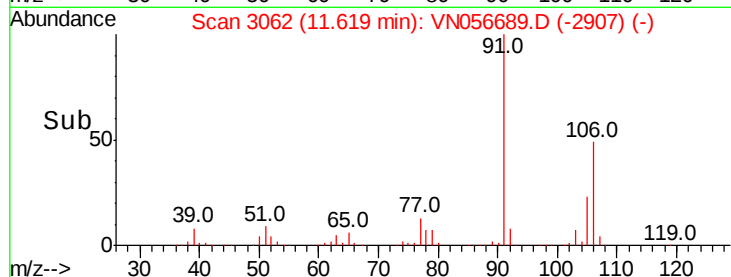
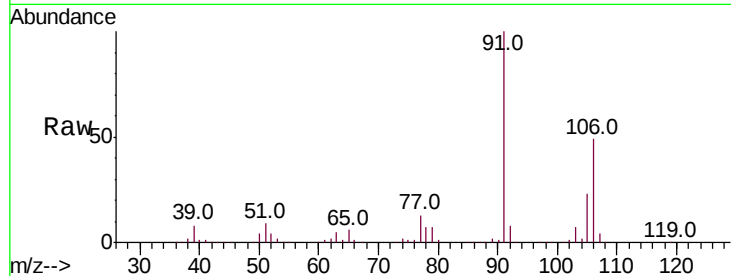
#67
m/p-Xylenes
Concen: 38.953 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion:106 Resp: 235842
Ion Ratio Lower Upper
106 100
91 200.3 161.8 242.8

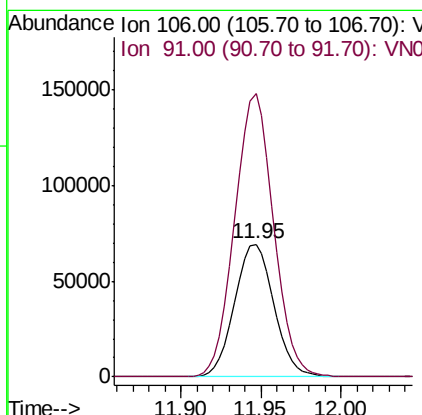
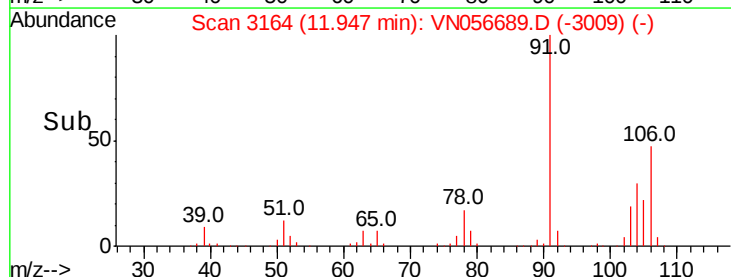
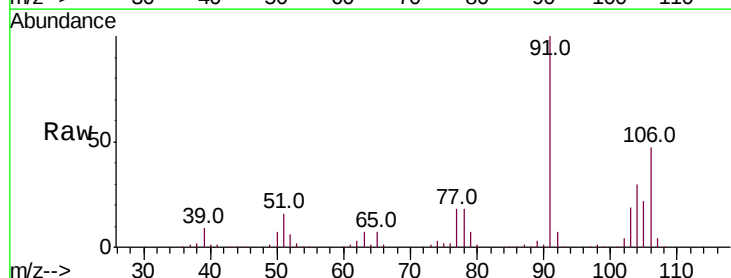
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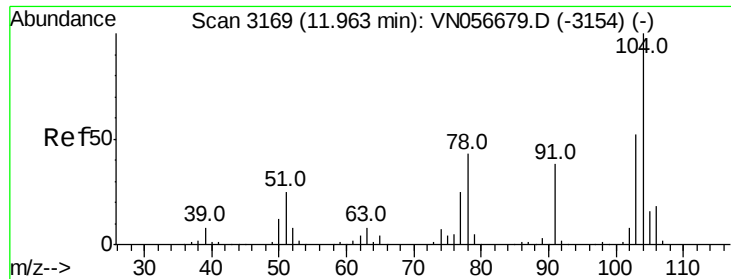
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#68
o-Xylene
Concen: 19.674 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion:106 Resp: 116187
Ion Ratio Lower Upper
106 100
91 210.9 108.1 324.2





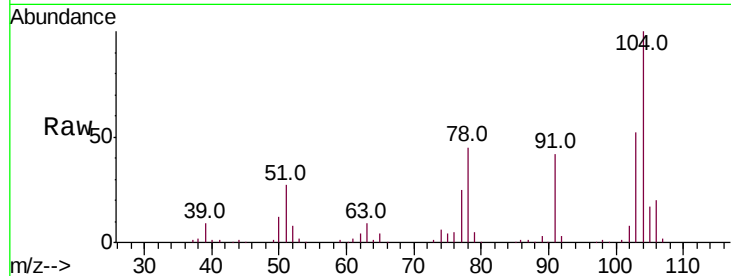
#69
Stvrene
Concen: 19.142 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

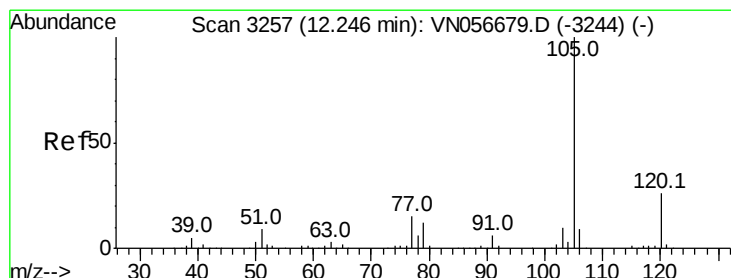
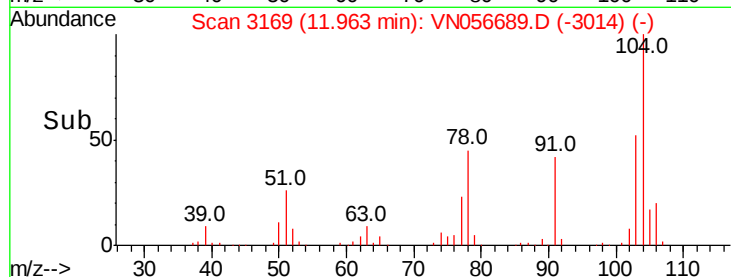
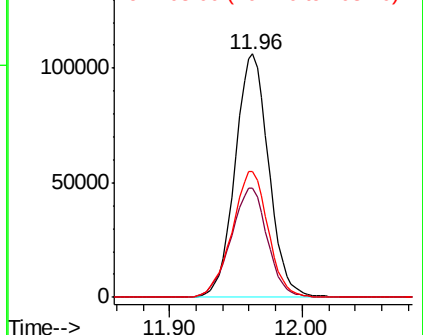
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.7	58.1
103	55.5	45.0	67.4

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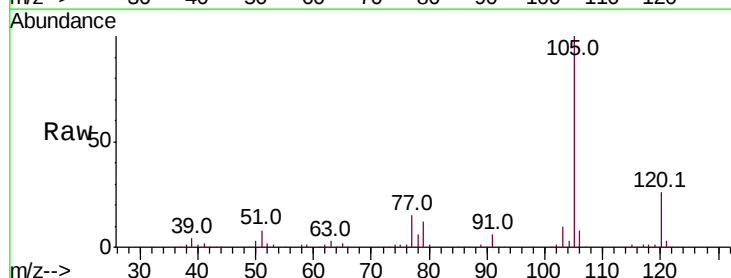


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

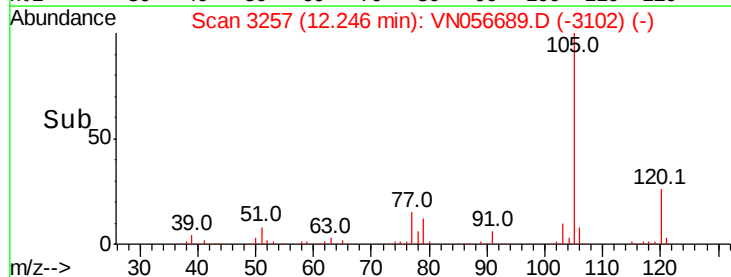
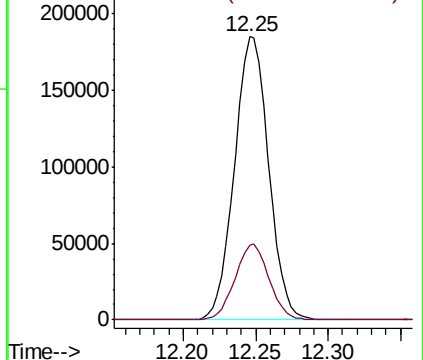


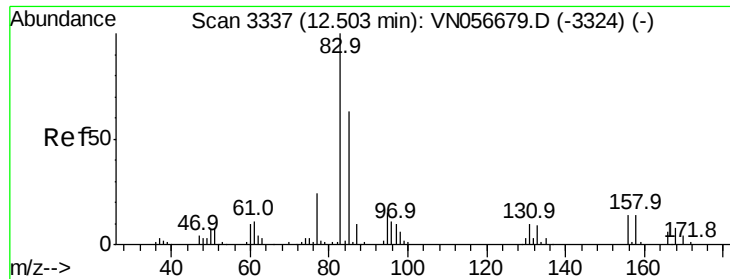
#70
Isopropylbenzene
Concen: 19.616 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.6	34.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





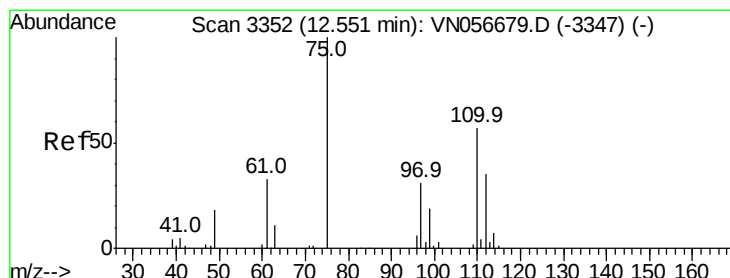
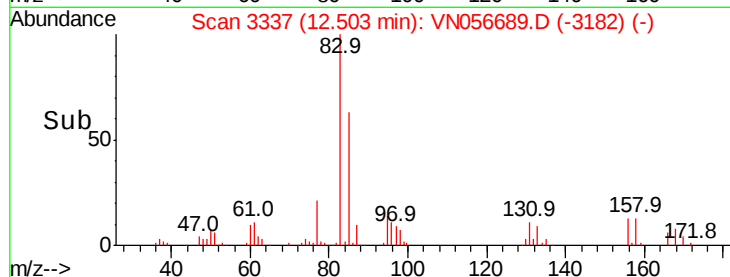
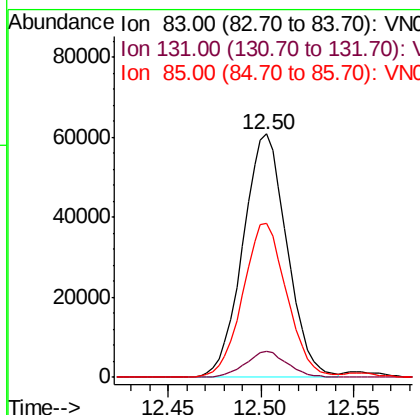
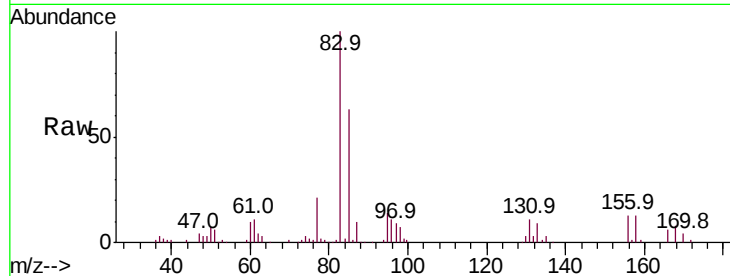
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.977 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.3	5.1	15.3	
85	63.2	31.9	95.7	

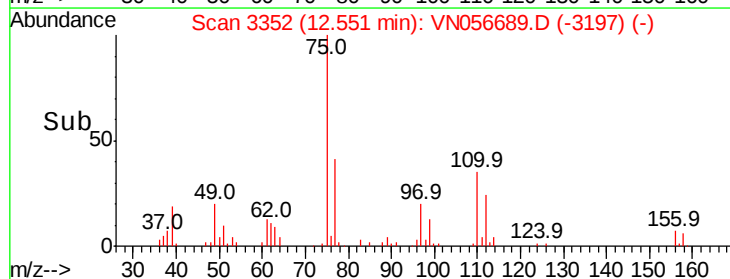
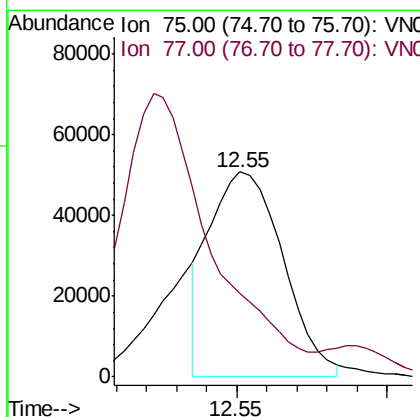
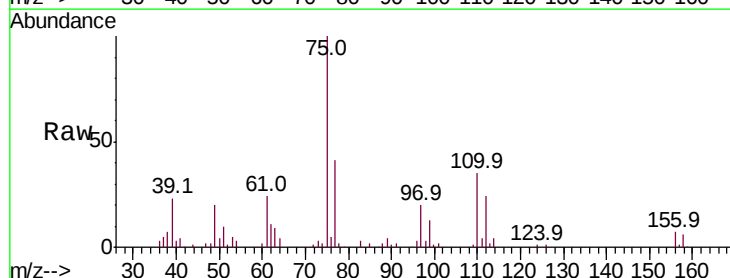
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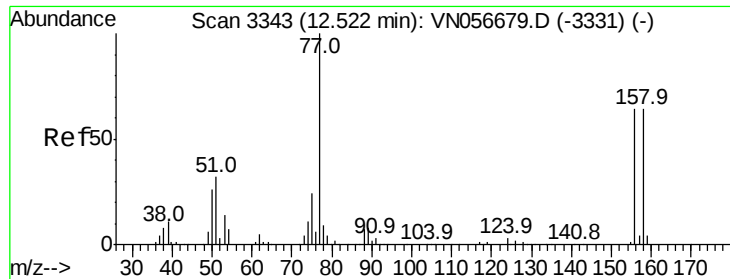
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#72
 1,2,3-Trichloropropane
 Concen: 20.181 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	173.0	0.0	352.2	





#73

Bromobenzene

Concen: 19.444 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

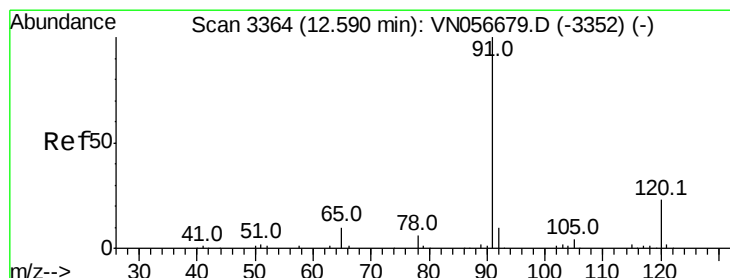
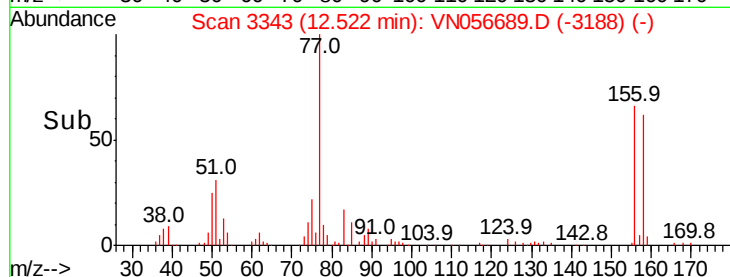
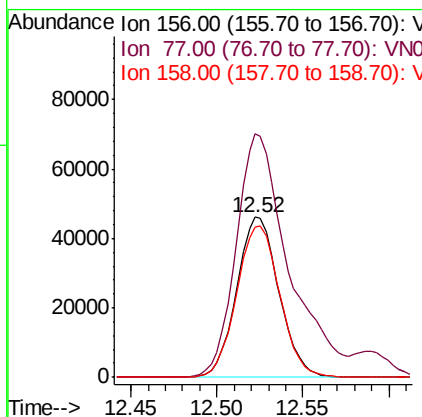
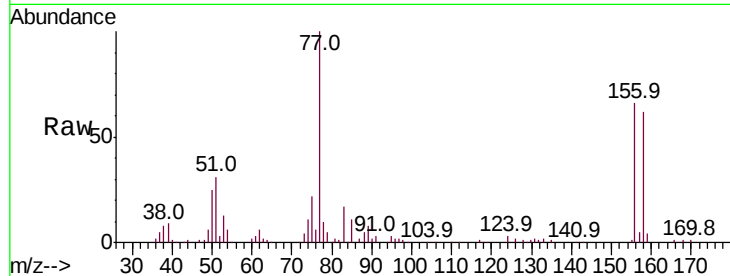
ClientSampleId :

VN0713WBSD01

Tot Ion:	156	Resp:	78653
Ion Ratio	Lower	Upper	
156	100		
77	190.6	0.0	381.8
158	96.8	0.0	195.8

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#74

n-propylbenzene

Concen: 18.713 ug/l

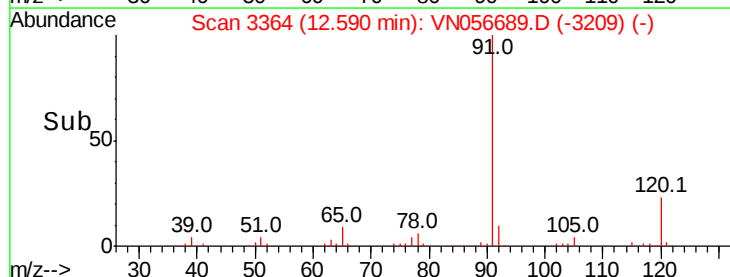
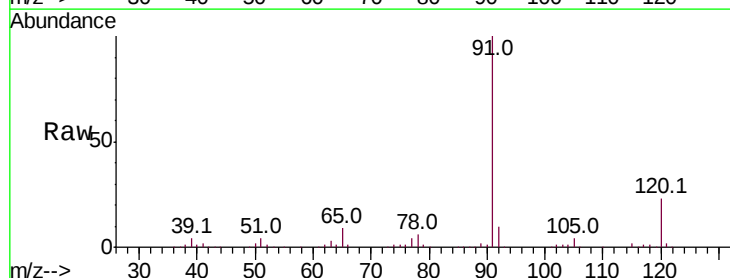
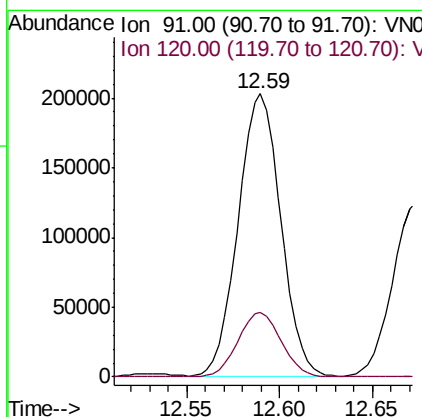
RT: 12.59 min Scan# 3364

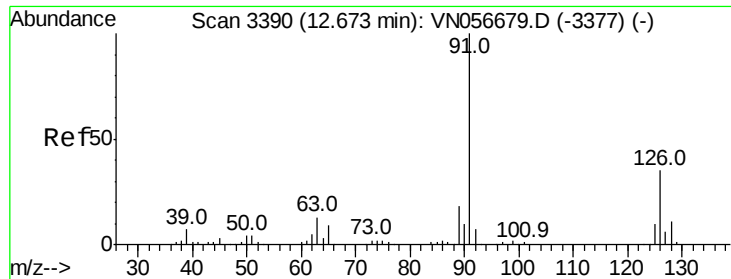
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	91	Resp:	326800
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	45.6





#75

2-Chlorotoluene

Concen: 19.573 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion: 91 Resp: 205875

Ion Ratio Lower Upper

91 100

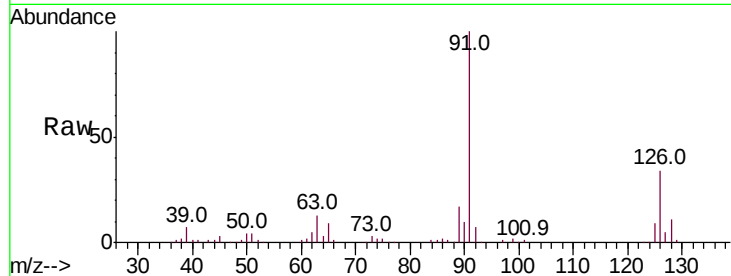
126 34.0 0.0 69.8

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Abundance Ion 91.00 (90.70 to 91.70): VN056679.D (-3377) (-)

Ion 126.00 (125.70 to 126.70): VN056679.D (-3377) (-)

200000

150000

100000

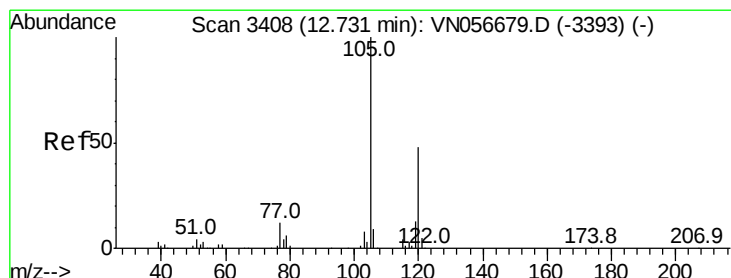
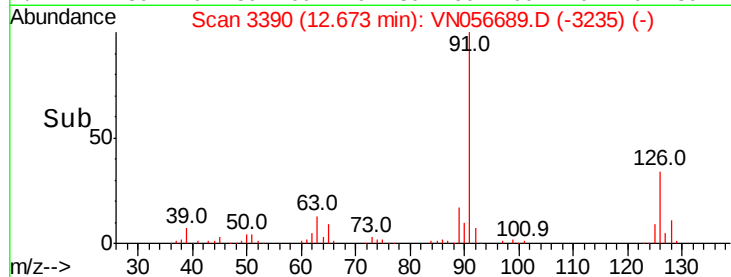
50000

0

12.60 12.65 12.70

12.67

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.331 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056689.D

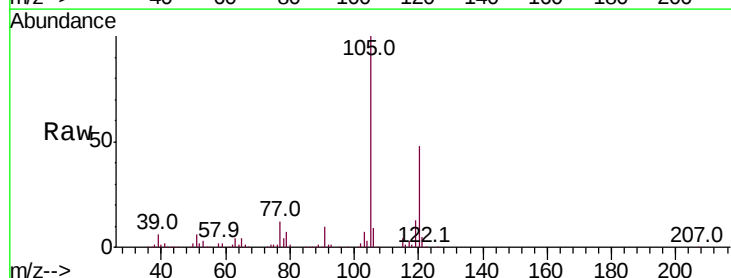
Acq: 12 Jul 2019 14:49

Tgt Ion: 105 Resp: 255236

Ion Ratio Lower Upper

105 100

120 48.8 0.0 97.6



Abundance Ion 105.00 (104.70 to 105.70): VN056679.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN056679.D (-3393) (-)

150000

100000

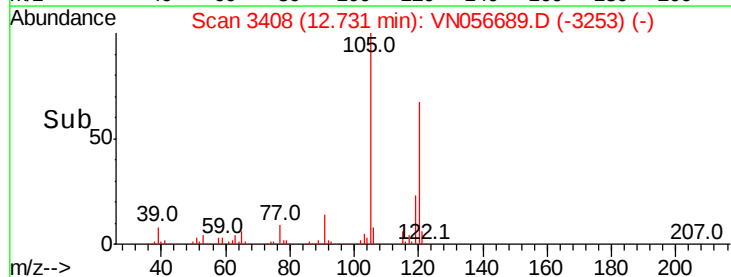
50000

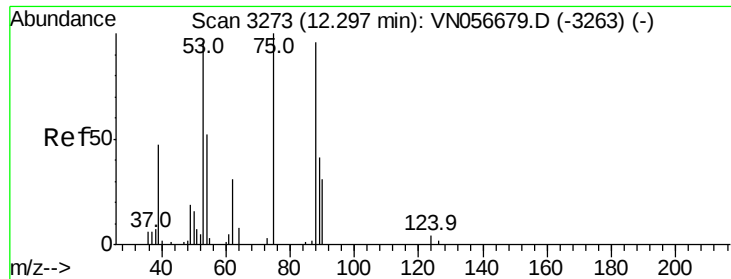
0

12.65 12.70 12.75 12.80

12.73

Time-->





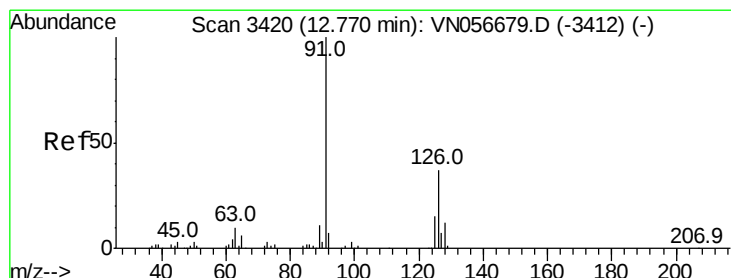
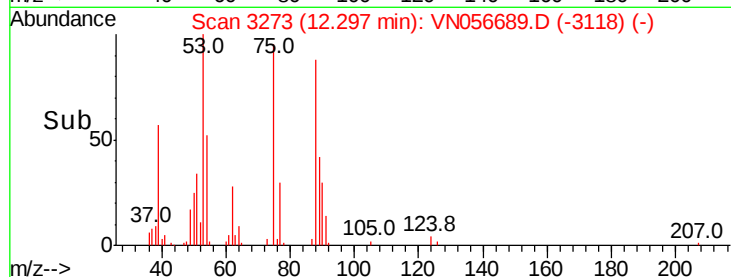
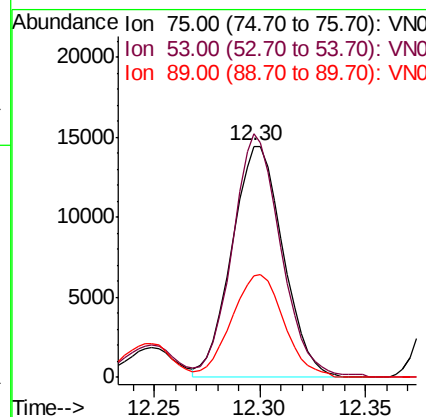
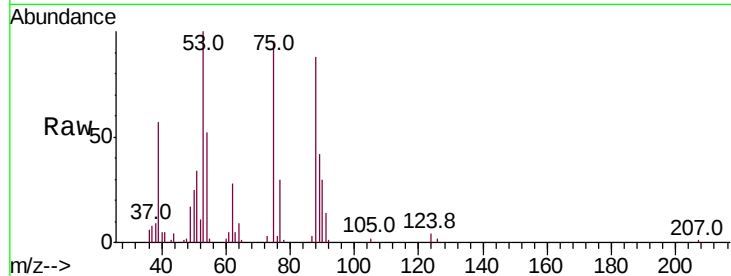
#77
 t-1,4-Dichloro-2-butene
 Concen: 17.073 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.9	48.6	145.8
89	43.8	21.3	64.0

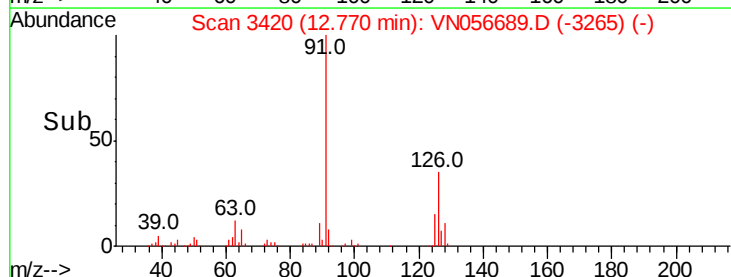
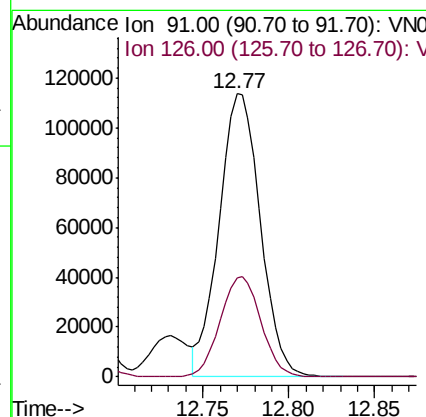
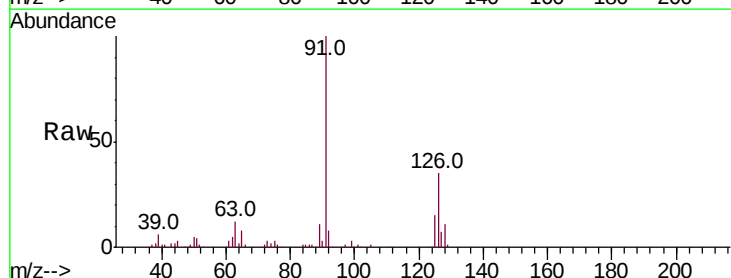
Manual Integrations
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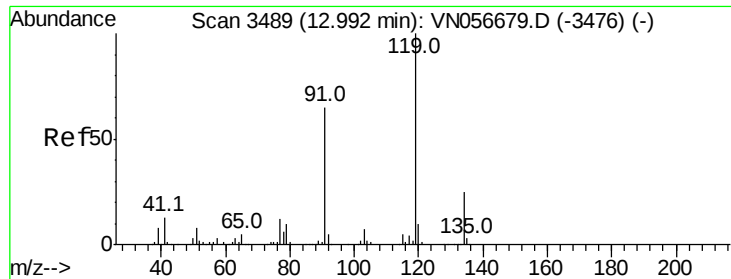
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#78
 4-Chlorotoluene
 Concen: 18.642 ug/l
 RT: 12.77 min Scan# 3420
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	69.4





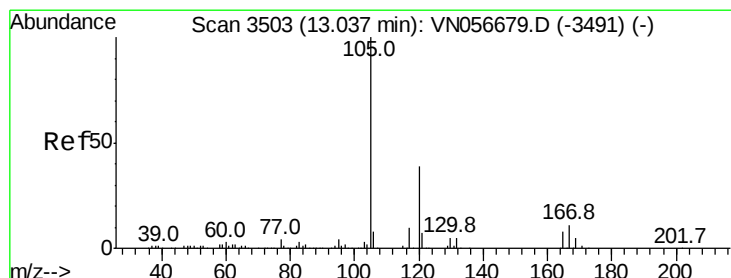
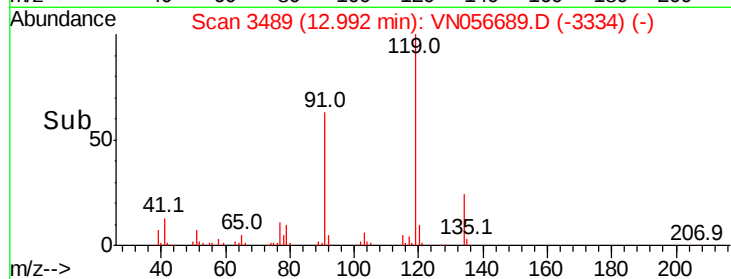
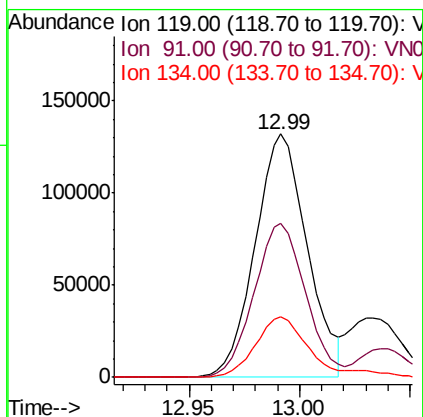
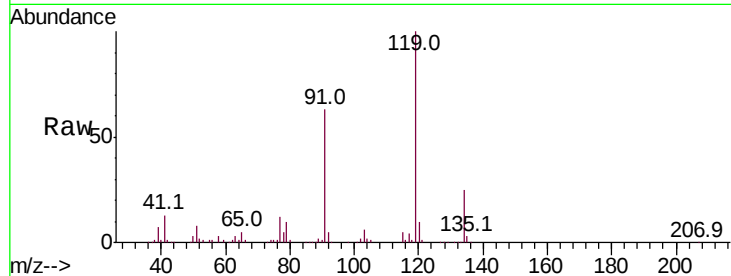
#79
tert-butylbenzene
Concen: 19.288 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216639		
91	62.8		0.0	125.4
134	24.4		0.0	48.4

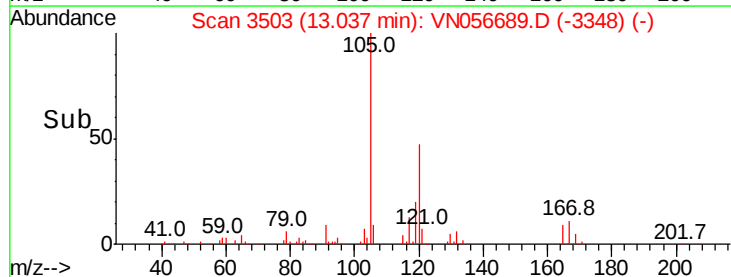
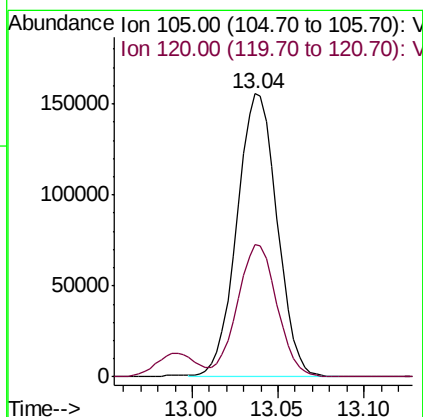
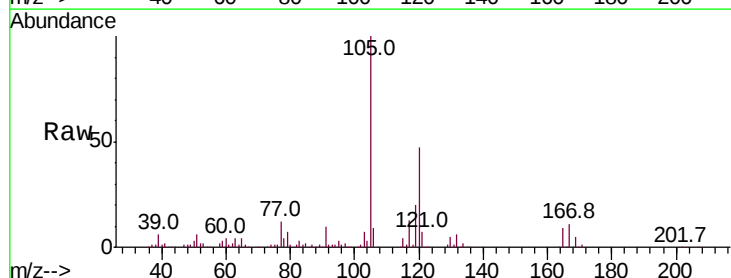
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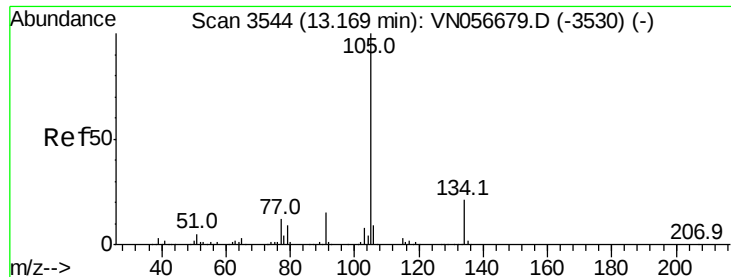
MMDadoda
7/16/2019 9:59:49 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.254 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	252124		
120	46.6		0.0	91.2





#81

sec-Butylbenzene

Concen: 19.010 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

ClientSampleId :

VN0713WBSD01

Tot Ion:105 Resp: 282627

Ion Ratio Lower Upper

105 100

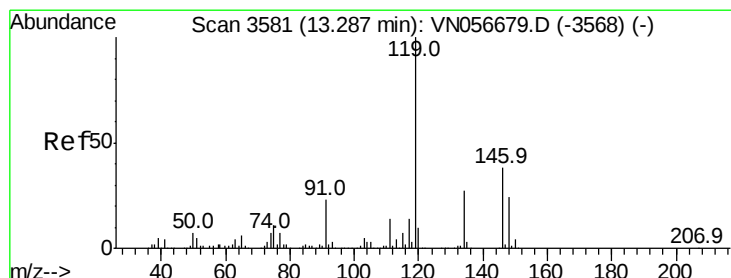
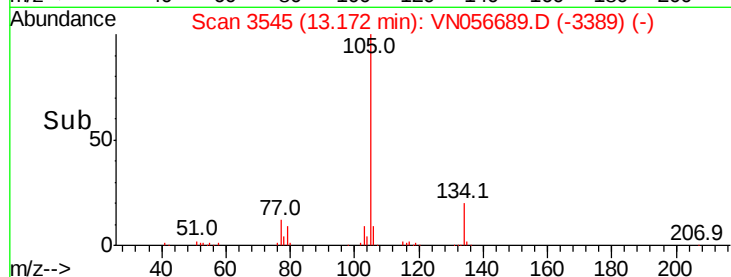
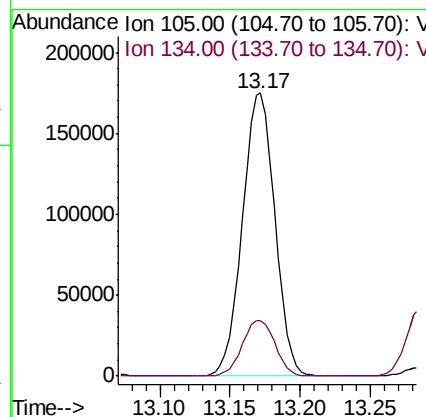
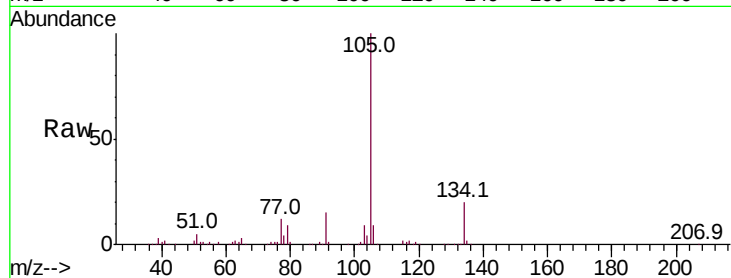
134 20.0 0.0 40.8

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#82

p-Isopropyltoluene

Concen: 19.007 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

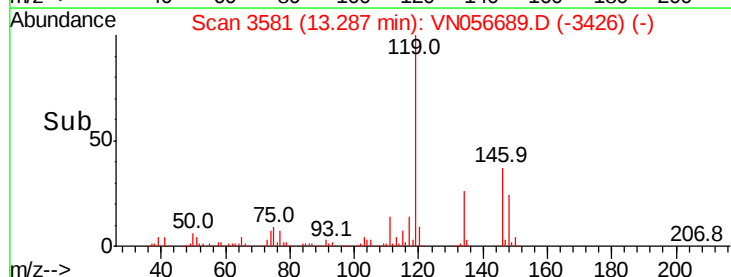
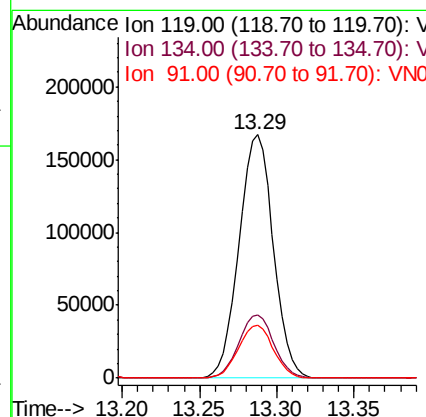
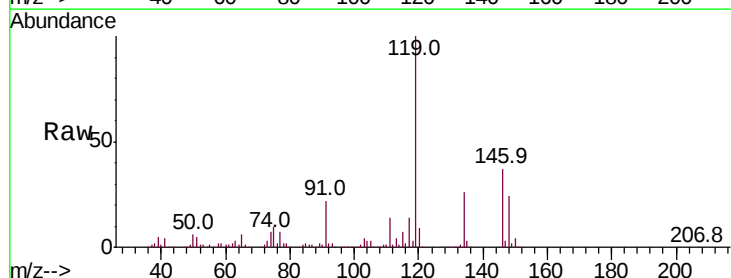
Tgt Ion:119 Resp: 256989

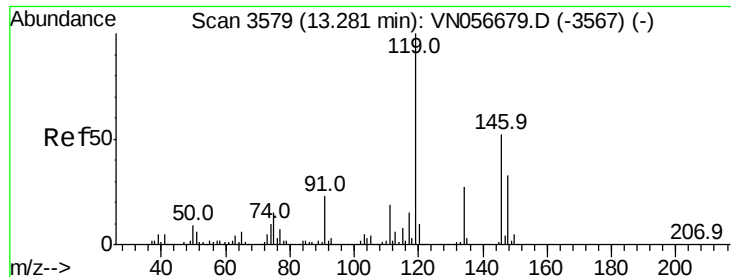
Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.8

91 22.2 0.0 45.4





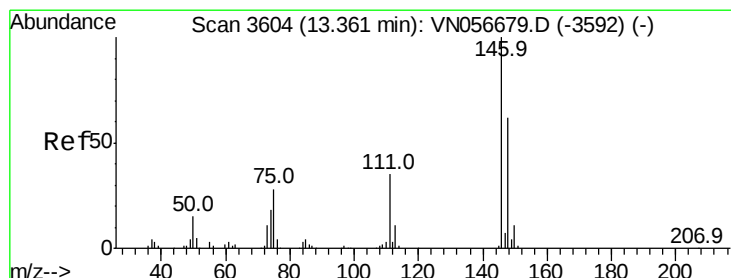
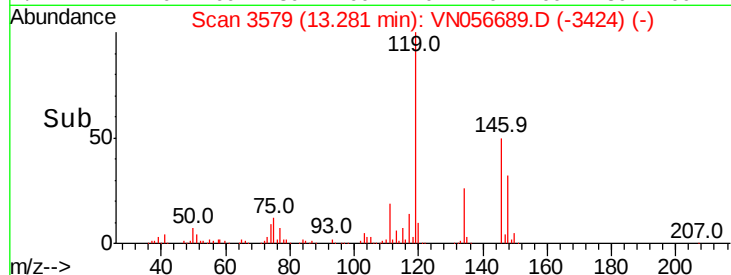
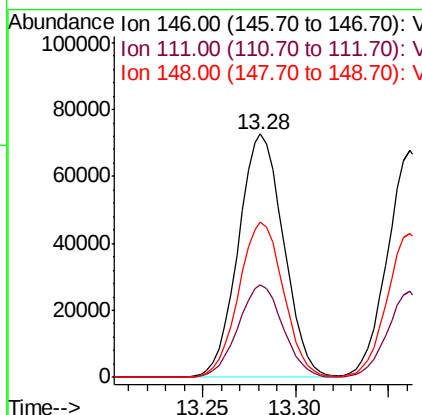
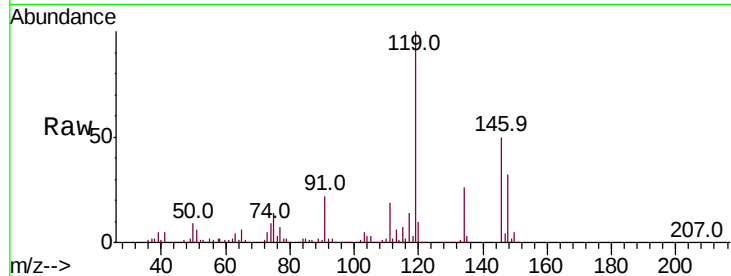
#83
 1,3-Dichlorobenzene
 Concen: 18.259 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.7	56.1
148	63.3	31.8	95.4

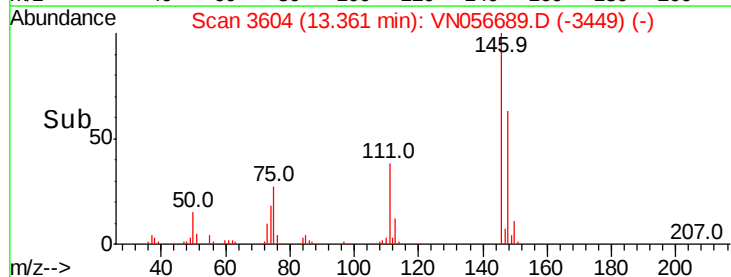
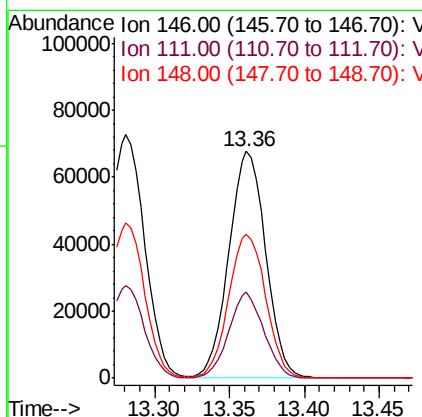
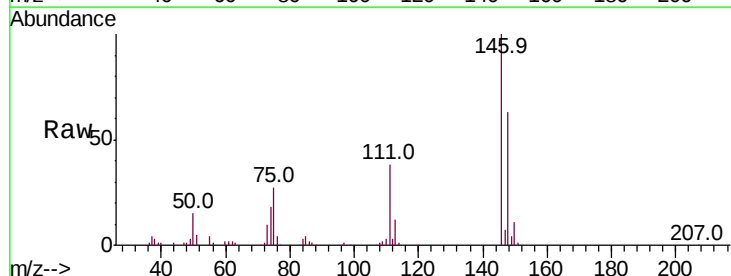
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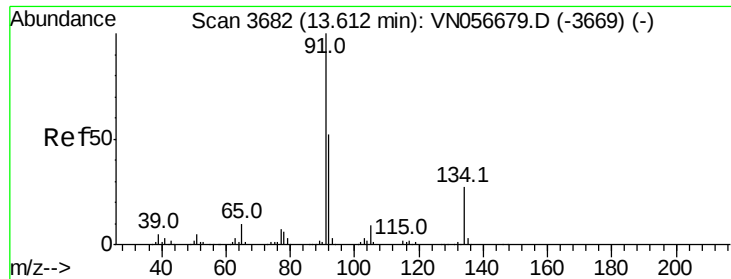
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 7/16/2019 9:59:49 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.016 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056689.D
 Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	17.8	53.4
148	63.8	31.9	95.5





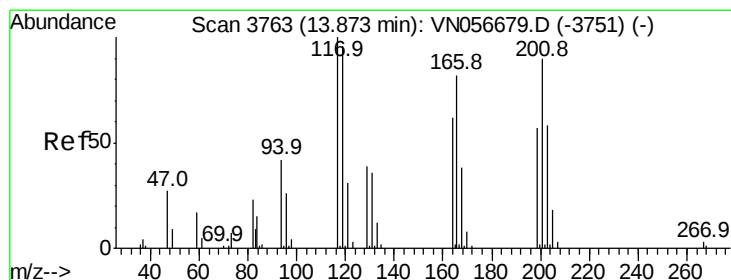
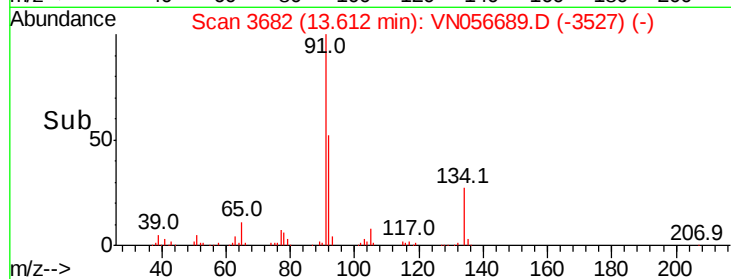
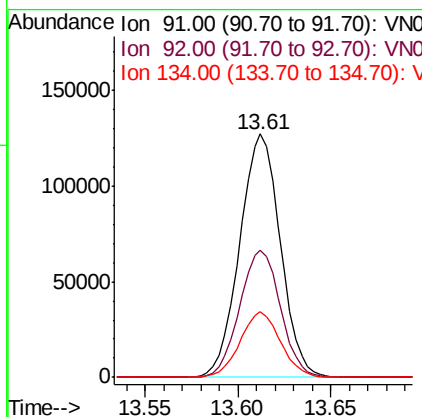
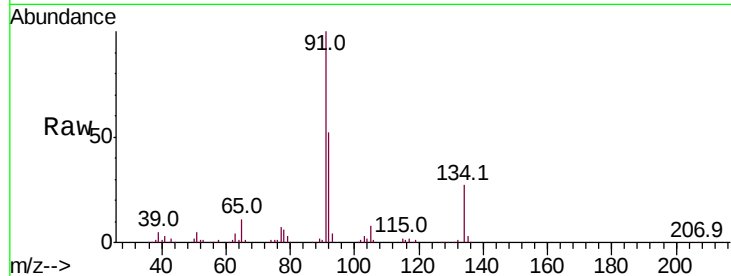
#85
n-Butylbenzene
Concen: 17.430 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	194393		
92	52.6	0.0	104.0	
134	26.6	0.0	53.2	

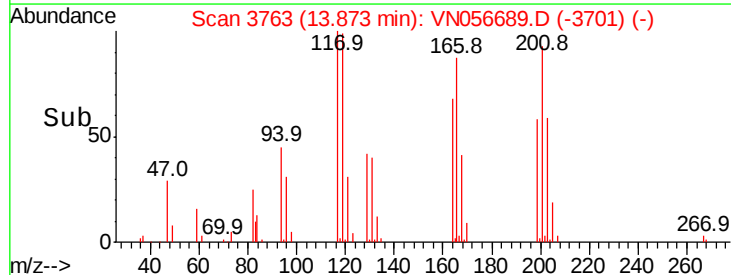
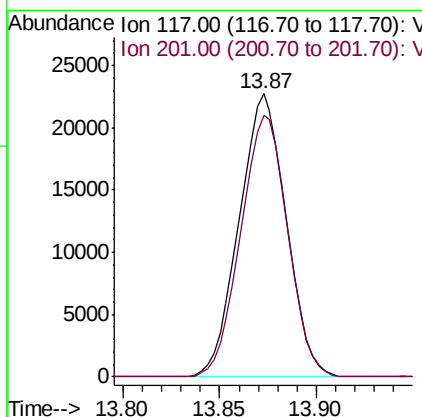
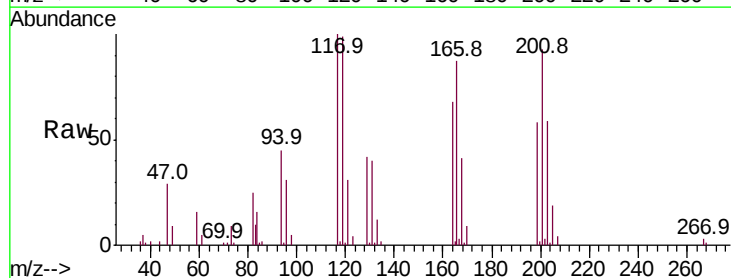
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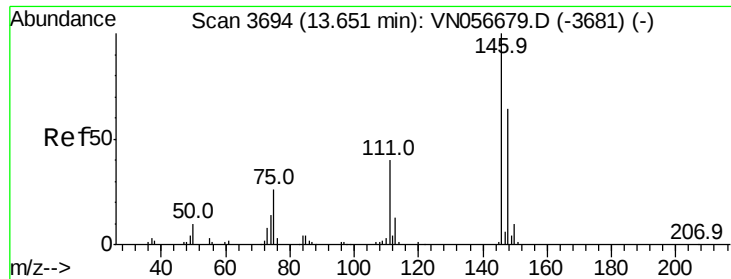
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#86
Hexachloroethane
Concen: 18.093 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	38383		
201	92.6	45.6	136.7	





#87

1,2-Dichlorobenzene

Concen: 19.032 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

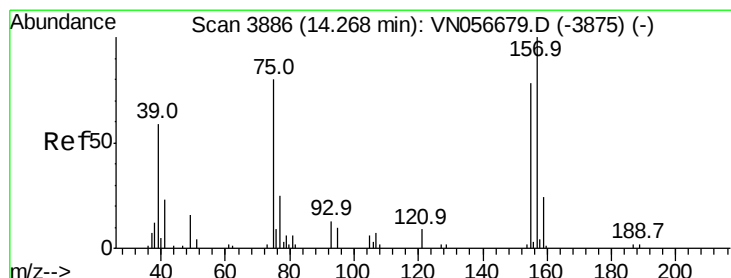
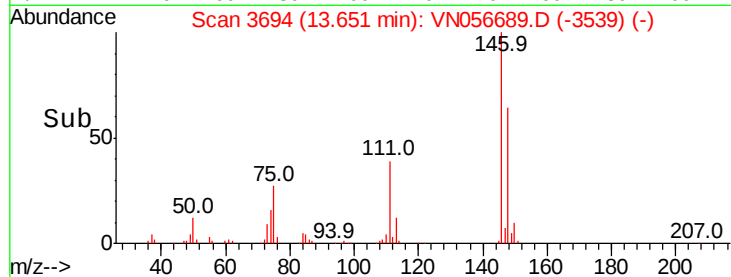
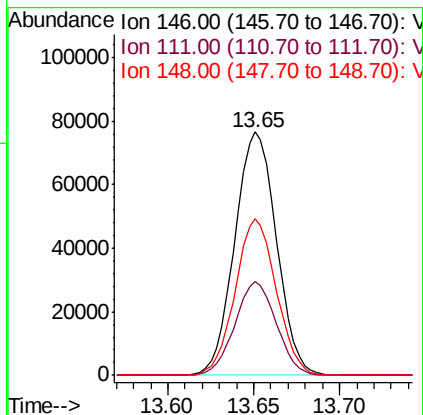
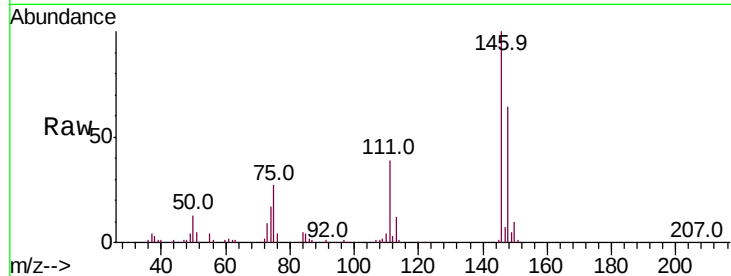
ClientSampleId :

VN0713WBSD01

Tot Ion:	146	Resp:	128947
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.7	59.0
148	63.4	32.7	98.1

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.548 ug/l

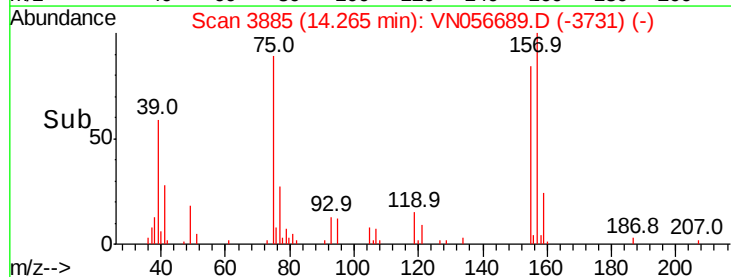
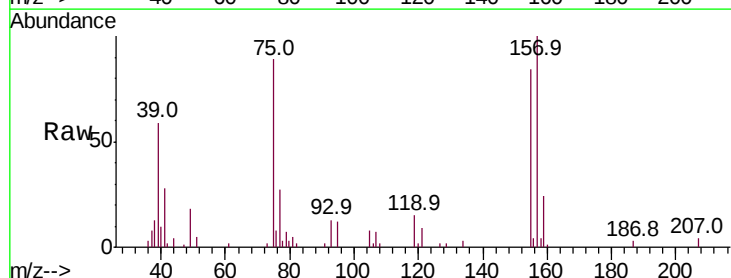
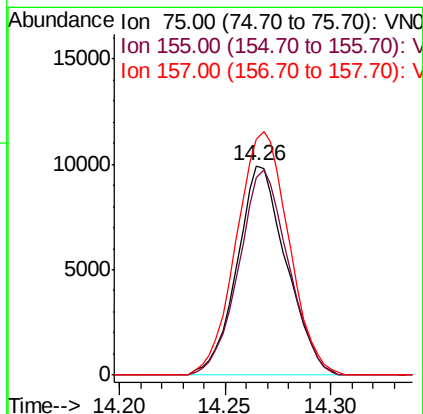
RT: 14.26 min Scan# 3885

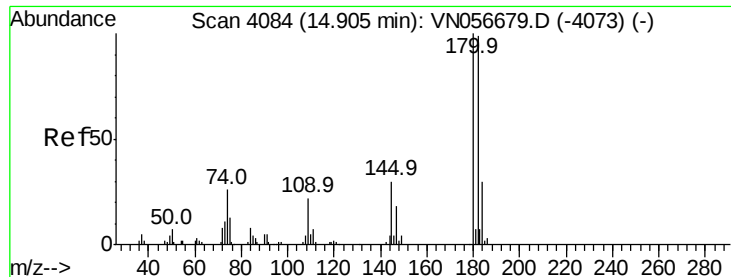
Delta R.T. -0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Tgt Ion:	75	Resp:	16078
Ion Ratio	Lower	Upper	
75	100		
155	99.0	78.6	117.8
157	123.8	99.3	148.9





#89

1,2,4-Trichlorobenzene

Concen: 15.984 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056689.D

Acq: 12 Jul 2019 14:49

Instrument :

MSVOA_N

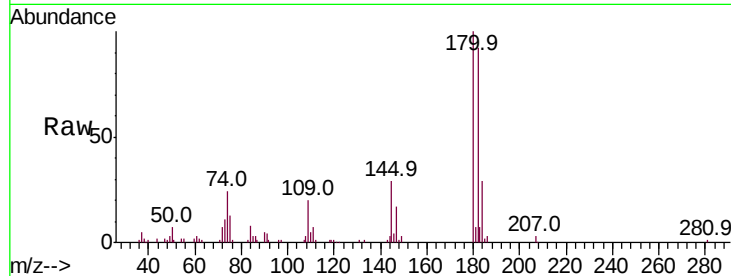
ClientSampleId :

VN0713WBSD01

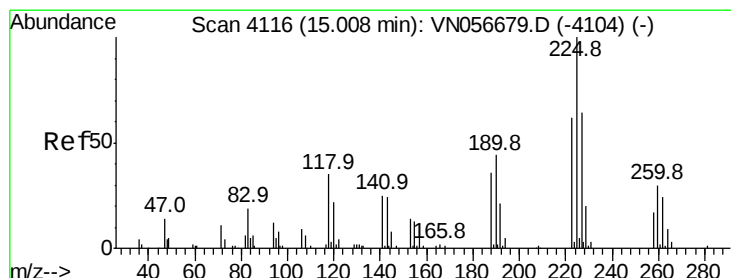
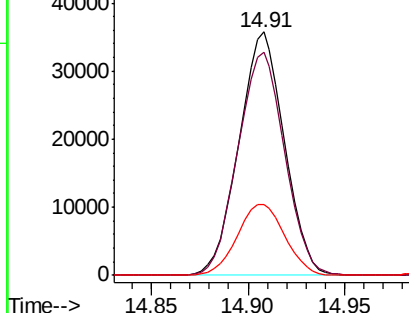
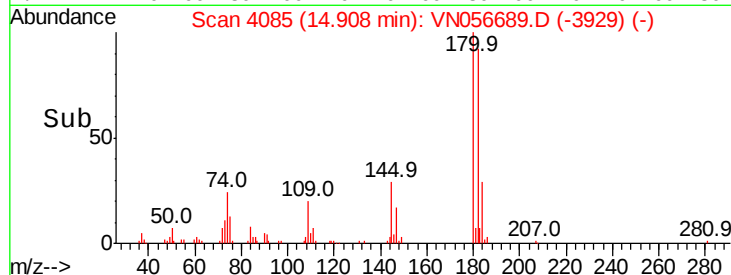
Tot Ion:	180	Resp:	58250
Ion Ratio	Lower	Upper	
180	100		
182	94.6	78.2	117.4
145	30.5	23.2	34.8

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 17.980 ug/l

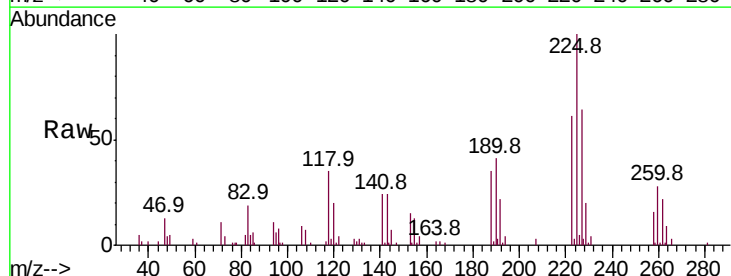
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

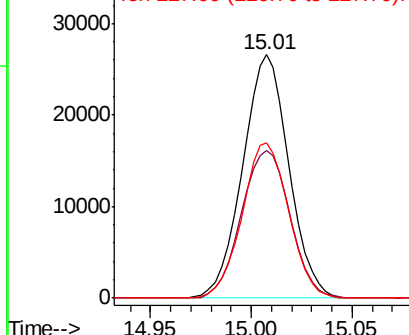
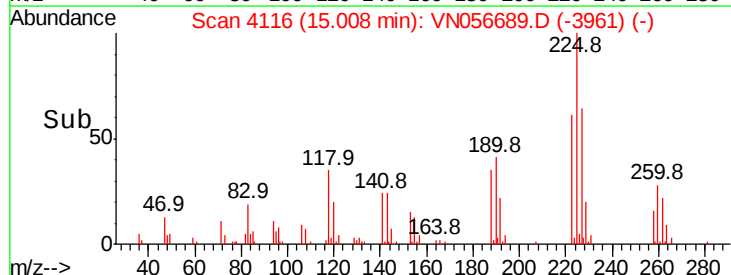
Lab File: VN056689.D

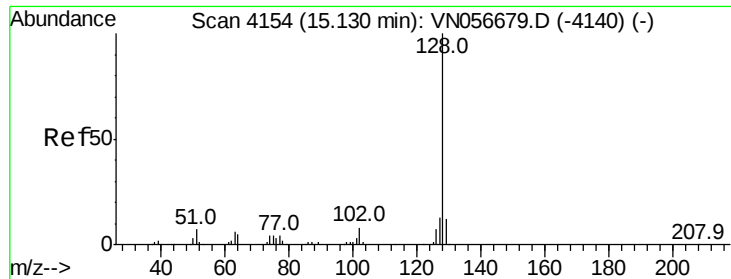
Acq: 12 Jul 2019 14:49

Tgt Ion:	225	Resp:	42602
Ion Ratio	Lower	Upper	
225	100		
223	64.0	0.0	124.6
227	64.5	0.0	128.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





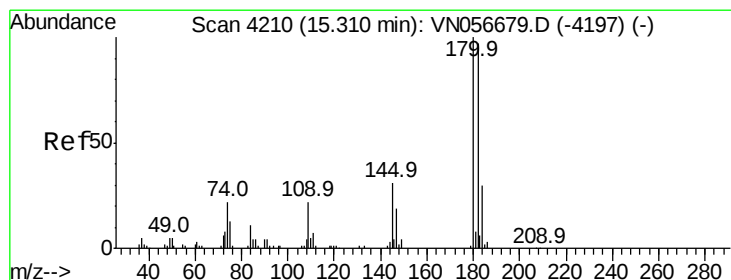
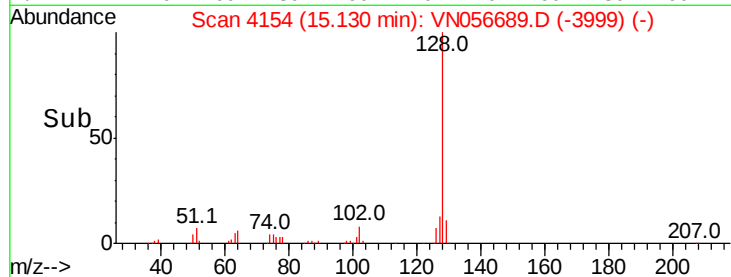
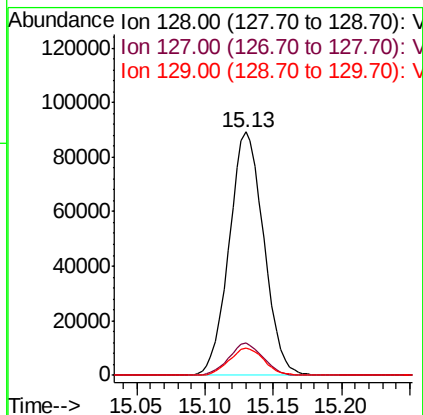
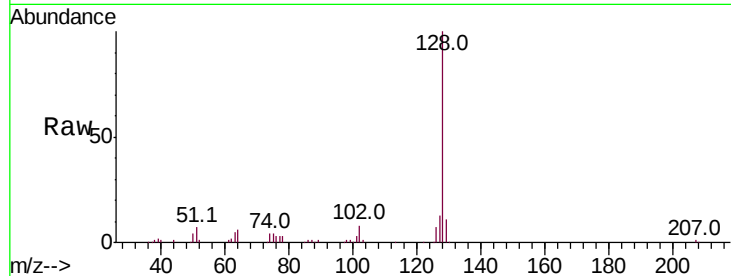
#91
Naphthalene
Concen: 16.030 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Instrument :
MSVOA_N
ClientSampleId :
VN0713WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.2	8.8	13.2

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#92
1,2,3-Trichlorobenzene
Concen: 16.982 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056689.D
Acq: 12 Jul 2019 14:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	0.0	192.4
145	30.3	0.0	60.4

