

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059154.D
 Acq On : 11 Nov 2019 12:41
 Operator : JC/SP
 Sample : VN1111WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:20:09 AM

Quant Time: Nov 12 02:19:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	467278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	754038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298338	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	305594	53.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.40%	
35) Dibromofluoromethane	7.57	113	231627	51.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.90%	
50) Toluene-d8	10.08	98	894977	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	318808	49.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	91459	19.426	ug/l	99
3) Chloromethane	2.04	50	122900	19.204	ug/l	100
4) Vinyl Chloride	2.17	62	125858	20.284	ug/l	99
5) Bromomethane	2.54	94	70343	19.701	ug/l	96
6) Chloroethane	2.68	64	75756	20.640	ug/l	98
7) Trichlorofluoromethane	3.00	101	153731	20.714	ug/l	99
8) Diethyl Ether	3.39	74	60687	20.125	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89416	19.982	ug/l	97
10) Methyl Iodide	3.93	142	104017	18.780	ug/l	98
11) Tert butyl alcohol	4.76	59	115358	105.379	ug/l	98
12) 1,1-Dichloroethene	3.71	96	86038	19.738	ug/l	100
13) Acrolein	3.58	56	43890	77.764	ug/l	97
14) Allyl chloride	4.30	41	173120	19.335	ug/l	96
15) Acrylonitrile	4.95	53	285850	104.926	ug/l	98
16) Acetone	3.79	43	293694	98.323	ug/l	97
17) Carbon Disulfide	4.03	76	246372	18.208	ug/l	99
18) Methyl Acetate	4.30	43	153569	21.660	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	319122	21.264	ug/l	99
20) Methylene Chloride	4.53	84	104397	20.061	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	94351	20.165	ug/l	99
22) Diisopropyl ether	5.92	45	351525	20.785	ug/l	95
23) Vinyl Acetate	5.87	43	1465777	111.827	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193888	20.526	ug/l	98
25) 2-Butanone	6.81	43	410610	104.303	ug/l	100
26) 2,2-Dichloropropane	6.80	77	173082	20.955	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	111750	20.587	ug/l	99
28) Bromochloromethane	7.17	49	58607	20.622	ug/l	99
29) Tetrahydrofuran	7.19	42	264706	105.824	ug/l	100
30) Chloroform	7.35	83	191308	21.112	ug/l	99
31) Cyclohexane	7.63	56	173516	19.404	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	164425	21.583	ug/l	99
36) 1,1-Dichloropropene	7.77	75	139070	19.732	ug/l	99
37) Ethyl Acetate	6.91	43	166793	21.273	ug/l	100
38) Carbon Tetrachloride	7.75	117	142003	20.243	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	160783	19.656	ug/l	99
40) Benzene	8.02	78	426175	20.080	ug/l	100
41) Methacrylonitrile	7.16	41	69154m	20.283	ug/l	
42) 1,2-Dichloroethane	8.10	62	155348	21.341	ug/l	99
43) Isopropyl Acetate	8.15	43	251951	20.156	ug/l	99
44) Trichloroethene	8.82	130	104101	19.953	ug/l	98
45) 1,2-Dichloropropane	9.10	63	115834	20.093	ug/l	99
46) Dibromomethane	9.19	93	71407	19.877	ug/l	99
47) Bromodichloromethane	9.39	83	148952	20.765	ug/l	99
48) Methyl methacrylate	9.18	41	113530	20.305	ug/l	99
49) 1,4-Dioxane	9.18	88	38475	387.208	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	802810	113.505	ug/l	98
52) Toluene	10.14	92	259418	20.393	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166774	20.123	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	181129	20.318	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	107100	20.803	ug/l	98
56) Ethyl methacrylate	10.42	69	160176	19.828	ug/l	98
57) 1,3-Dichloropropane	10.70	76	183411	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	304493	106.273	ug/l	100
59) 2-Hexanone	10.74	43	592036	109.055	ug/l	99
60) Dibromochloromethane	10.90	129	111022	20.396	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107635	20.652	ug/l	99
64) Tetrachloroethene	10.63	164	89516	19.345	ug/l	98
65) Chlorobenzene	11.43	112	275765	20.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	102409	20.580	ug/l	99
67) Ethyl Benzene	11.51	91	490706	20.849	ug/l	98
68) m/p-Xylenes	11.62	106	360277	40.865	ug/l	97
69) o-Xylene	11.95	106	174286	20.456	ug/l	98
70) Styrene	11.96	104	272185	20.313	ug/l	98
71) Bromoform	12.12	173	78564	20.297	ug/l #	99
73) Isopropylbenzene	12.25	105	472735	21.784	ug/l	99
74) N-amyl acetate	12.07	43	196271	21.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163752	22.158	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	154815m	22.793	ug/l	
77) Bromobenzene	12.53	156	113409	20.800	ug/l	100
78) n-propylbenzene	12.59	91	537114	21.616	ug/l	100
79) 2-Chlorotoluene	12.67	91	330516	21.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	393969	21.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53292	20.724	ug/l	95
82) 4-Chlorotoluene	12.77	91	329246	21.296	ug/l	99
83) tert-Butylbenzene	12.99	119	342916	21.594	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	385271	21.656	ug/l	100
85) sec-Butylbenzene	13.17	105	445963	21.594	ug/l	100
86) p-Isopropyltoluene	13.29	119	391786	21.485	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	192864	20.657	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	189427	20.278	ug/l	99
89) n-Butylbenzene	13.62	91	314484	19.704	ug/l	99
90) Hexachloroethane	13.88	117	75440	20.602	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	194126	21.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32899	22.328	ug/l	93

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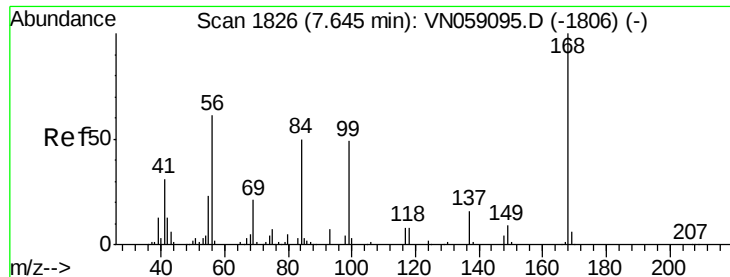
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91349	18.441	ug/l	99
94) Hexachlorobutadiene	15.01	225	61777	19.508	ug/l	99
95) Naphthalene	15.13	128	252888	18.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	92582	17.987	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion:168 Resp: 467278

Ion Ratio Lower Upper

168 100

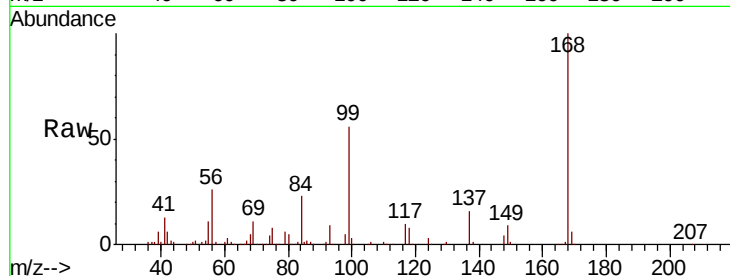
99 55.5 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

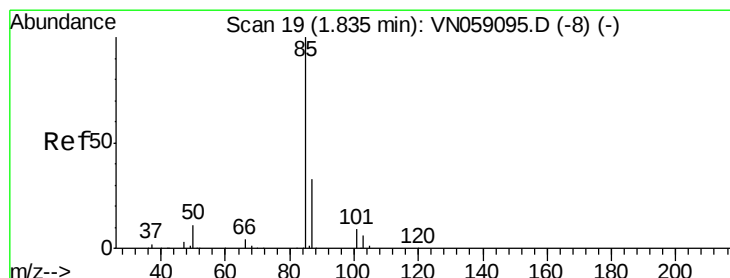
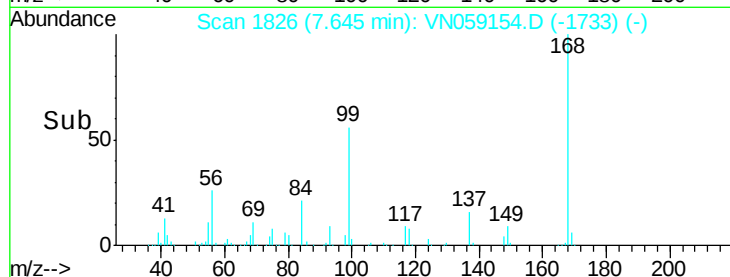
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.426 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059154.D

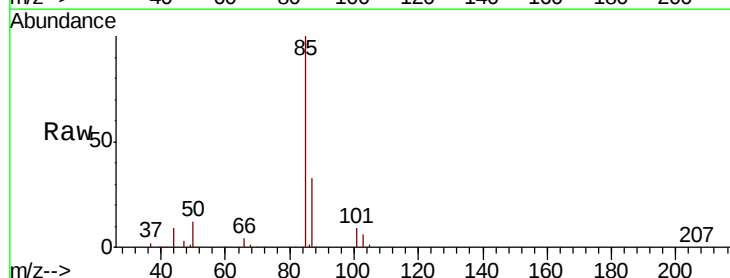
Acq: 11 Nov 2019 12:41

Tgt Ion: 85 Resp: 91459

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

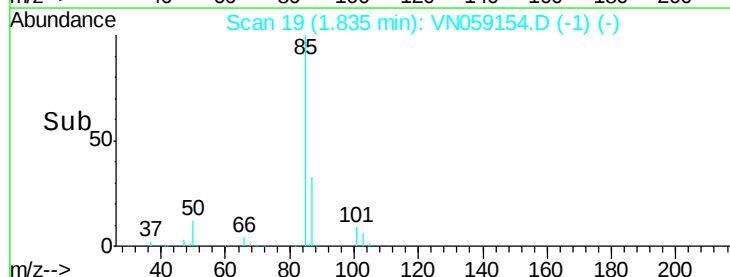
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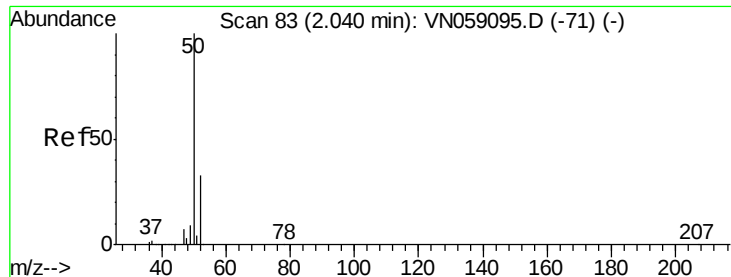
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.204 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 50 Resp: 122900

Ion Ratio Lower Upper

50 100

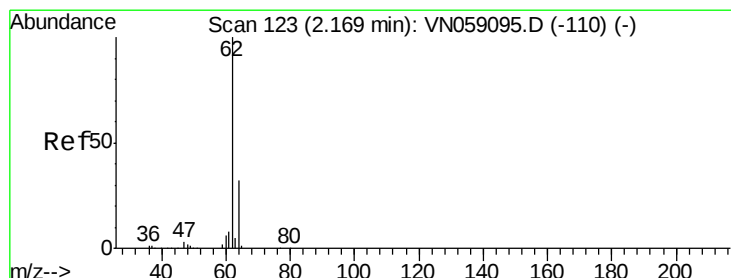
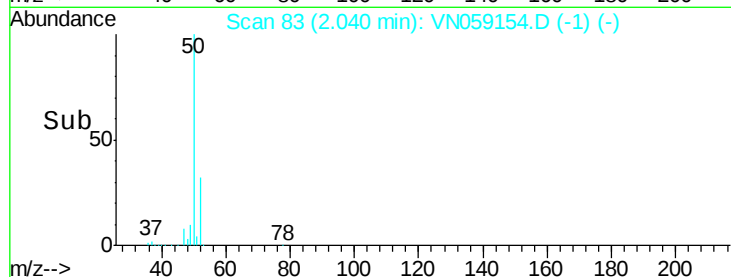
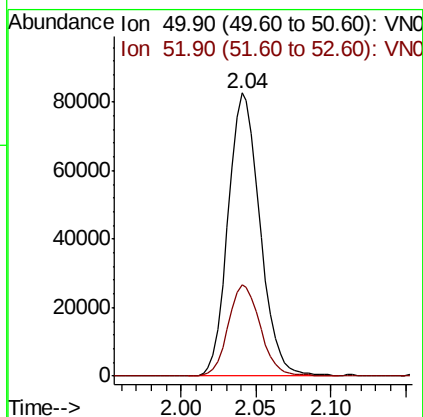
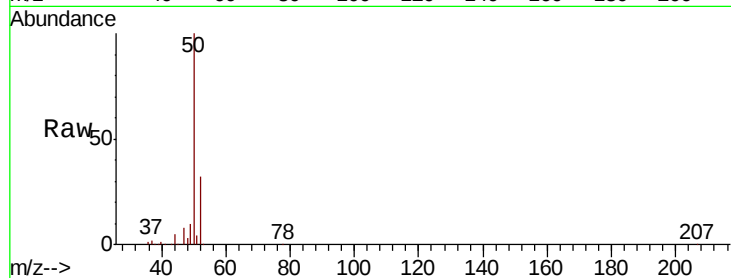
52 32.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.284 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059154.D

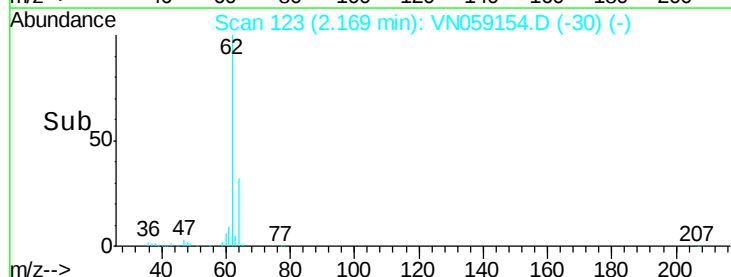
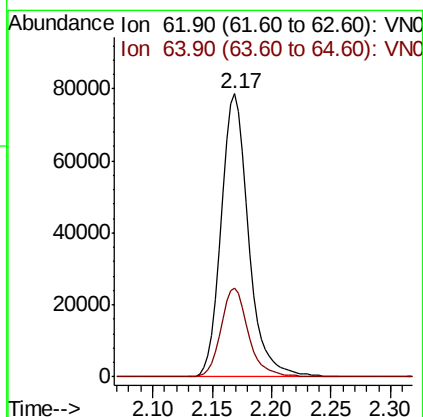
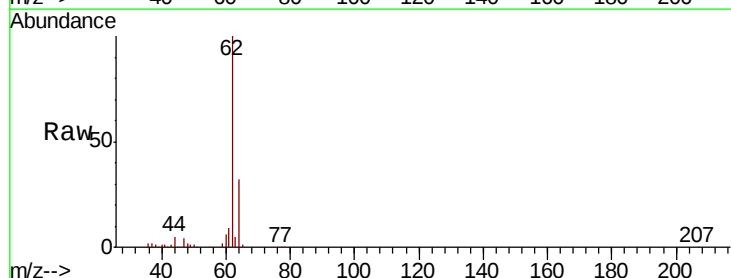
Acq: 11 Nov 2019 12:41

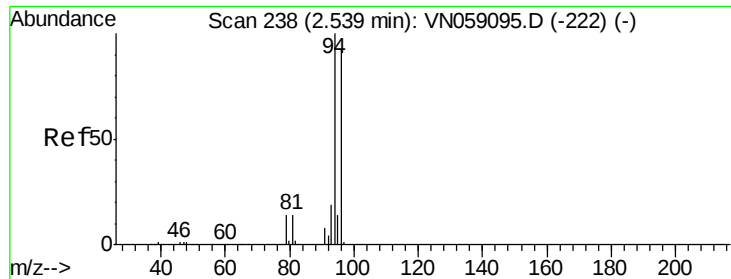
Tgt Ion: 62 Resp: 125858

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 19.701 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

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ClientSampleId :

VN1111WBS01

Tot Ion: 94 Resp: 70343

Ion Ratio Lower Upper

94 100

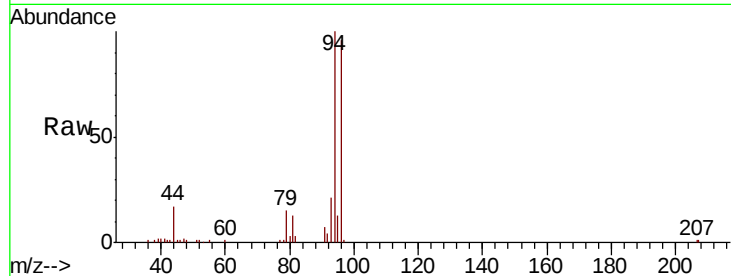
96 96.5 74.2 111.2

Manual Integrations

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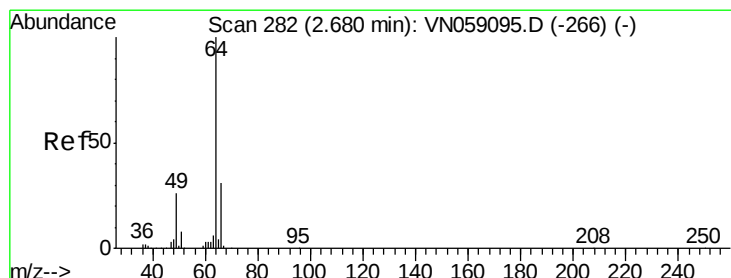
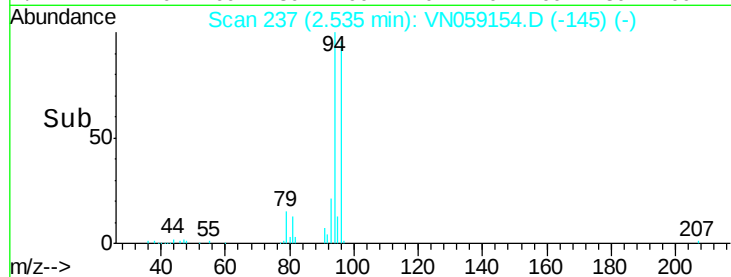
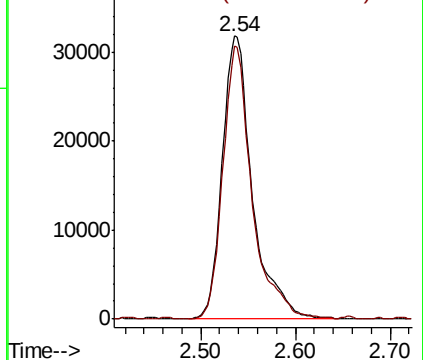
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.640 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059154.D

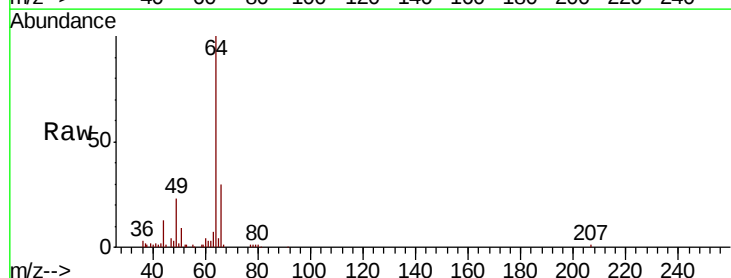
Acq: 11 Nov 2019 12:41

Tgt Ion: 64 Resp: 75756

Ion Ratio Lower Upper

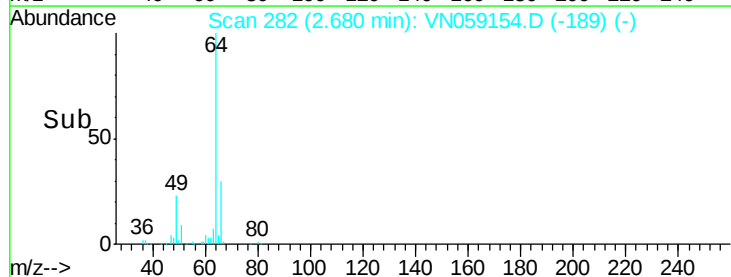
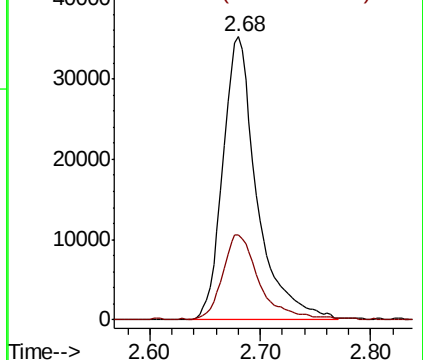
64 100

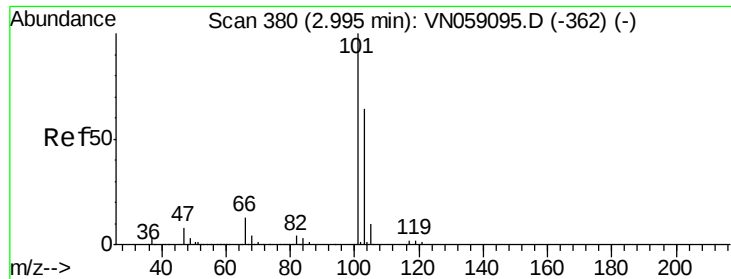
66 30.2 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

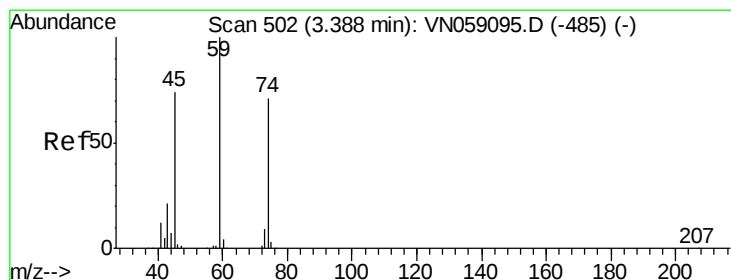
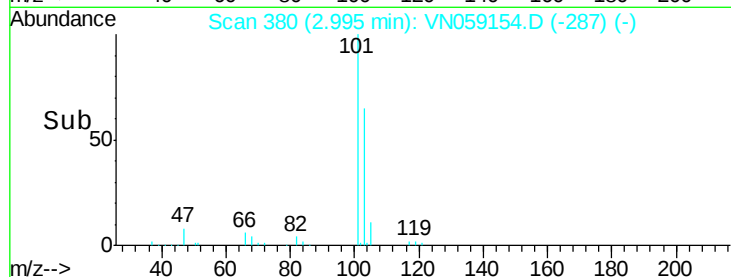
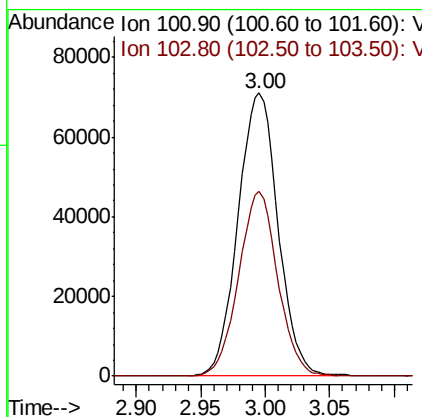
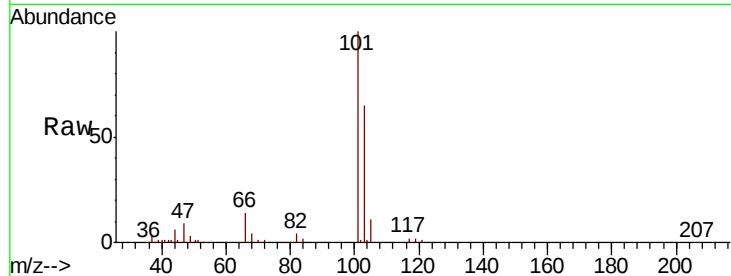
Trichlorofluoromethane
Concen: 20.714 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.2	76.8

Manual Integrations
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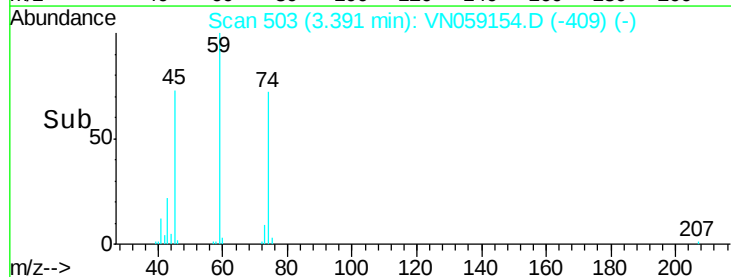
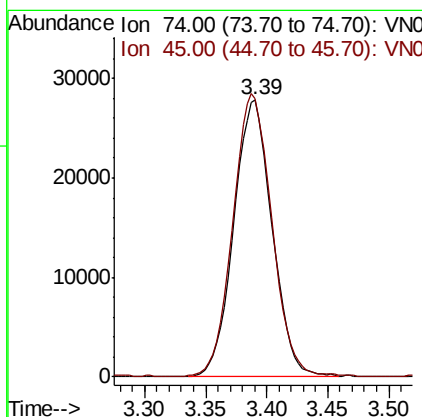
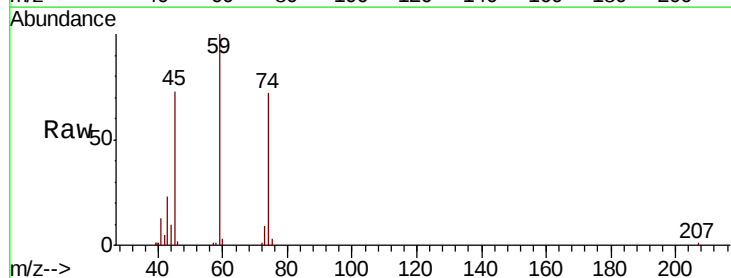
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11/12/2019 11:20:09 AM

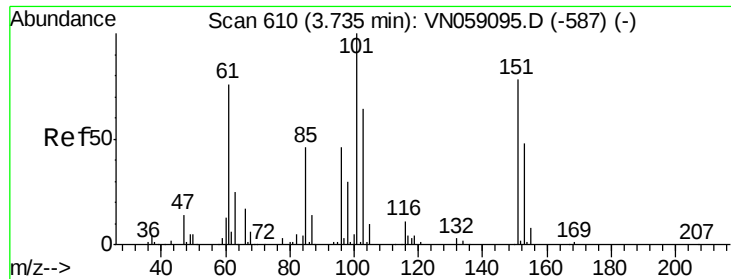


#8

Diethyl Ether
Concen: 20.125 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.982 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

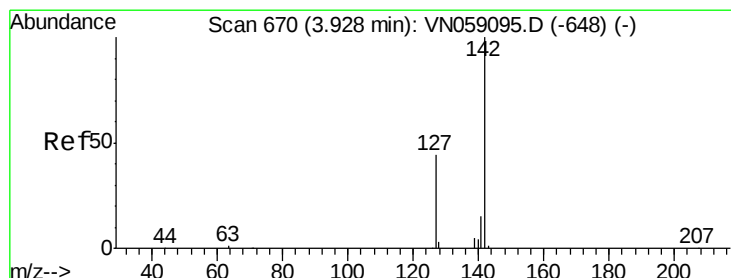
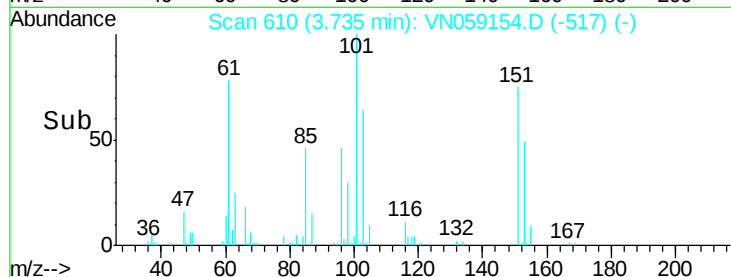
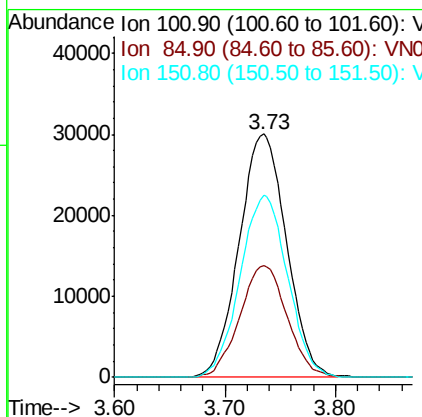
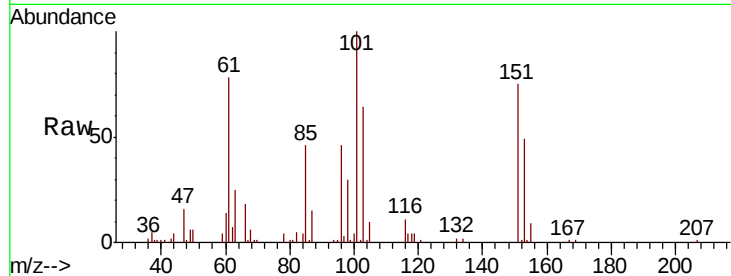
ClientSampleId :

VN1111WBS01

Tot Ion:	101	Resp:	89416
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.5	53.3
151	74.9	62.2	93.2

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#10

Methyl Iodide

Concen: 18.780 ug/l

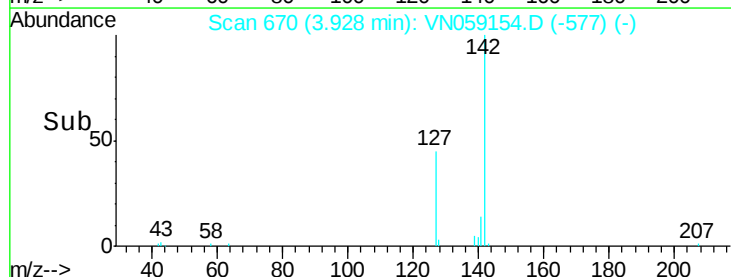
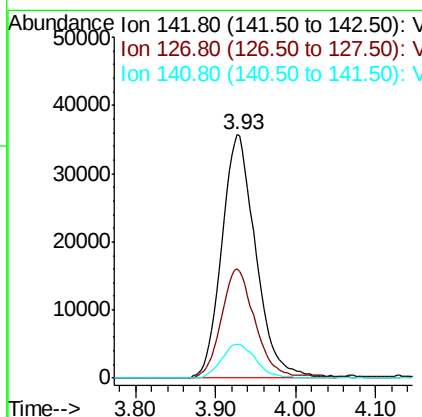
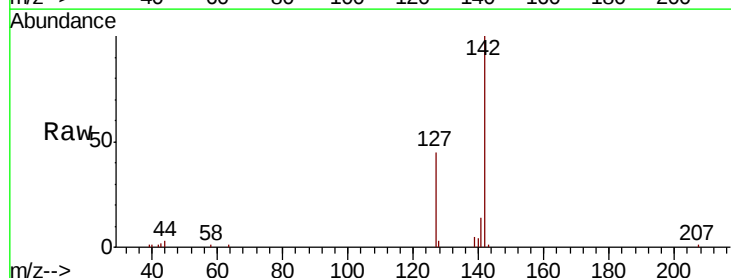
RT: 3.93 min Scan# 670

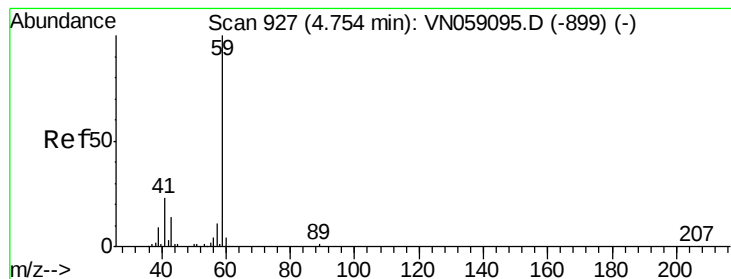
Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion:	142	Resp:	104017
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.2	51.2
141	14.1	11.4	17.0





#11

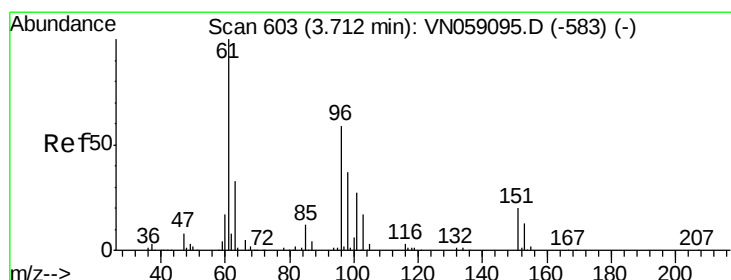
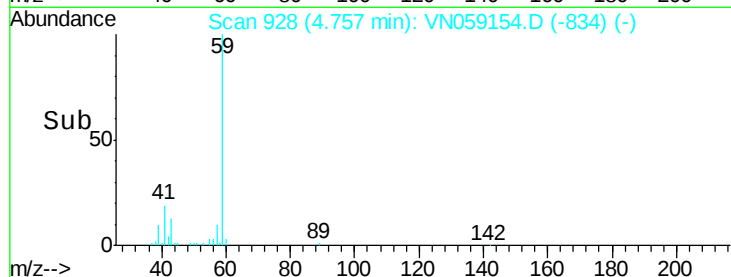
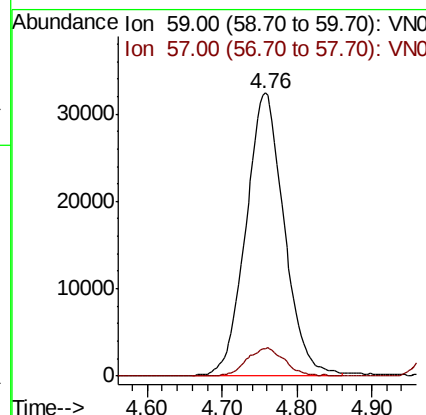
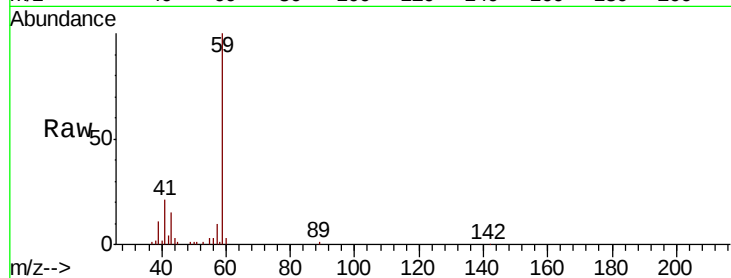
Tert butyl alcohol
 Concen: 105.379 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	115358		
57	9.8		8.3	12.5

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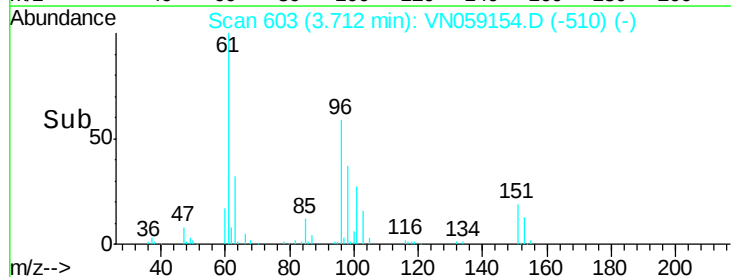
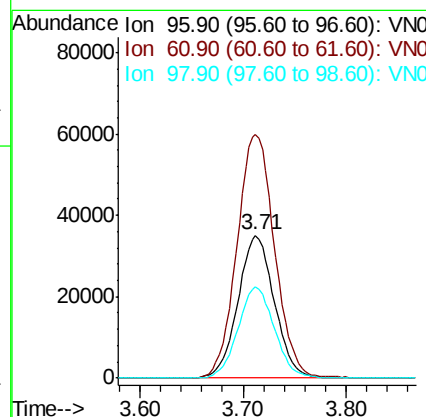
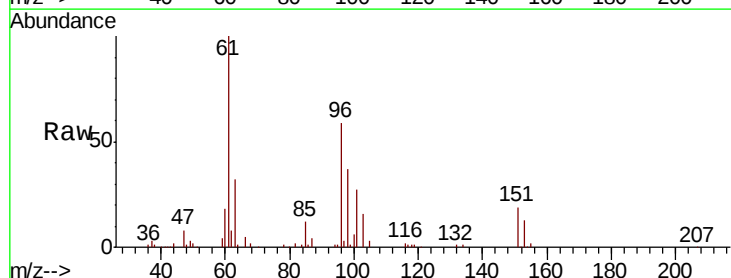
MMDadoda
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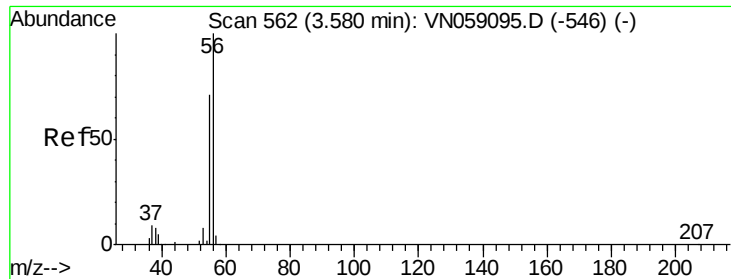


#12

1,1-Dichloroethene
 Concen: 19.738 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86038		
61	170.4		136.5	204.7
98	63.7		50.2	75.4





#13

Acrolein

Concen: 77.764 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 56 Resp: 43890

Ion Ratio Lower Upper

56 100

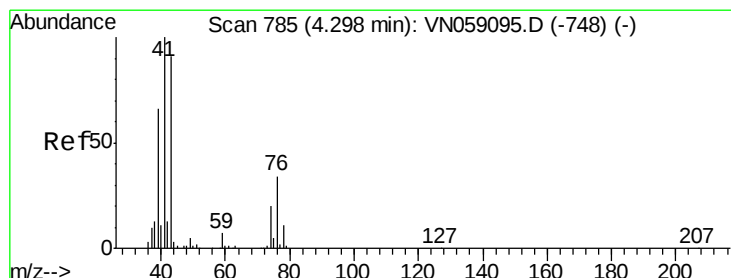
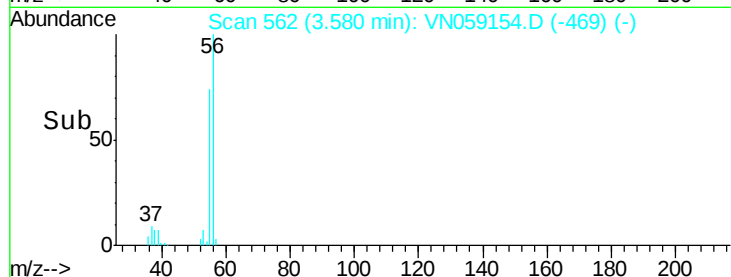
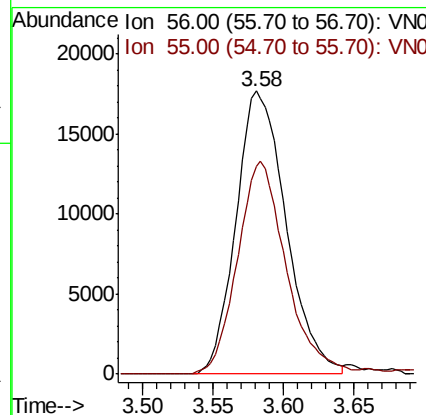
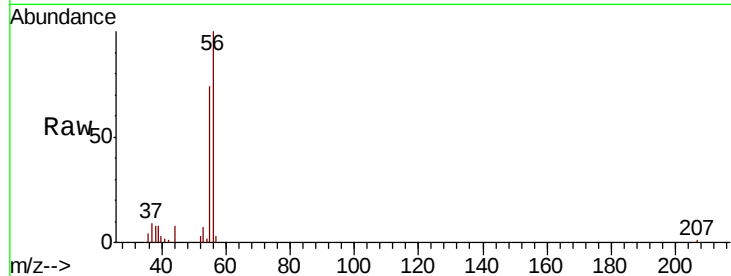
55 73.0 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.335 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

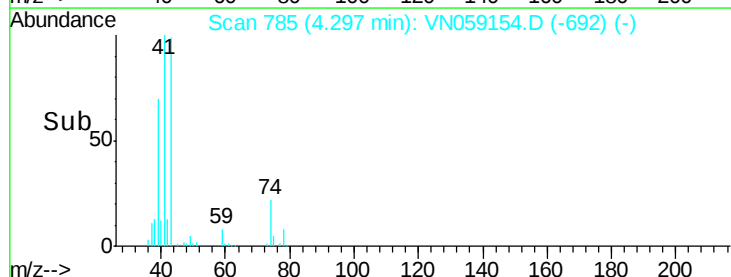
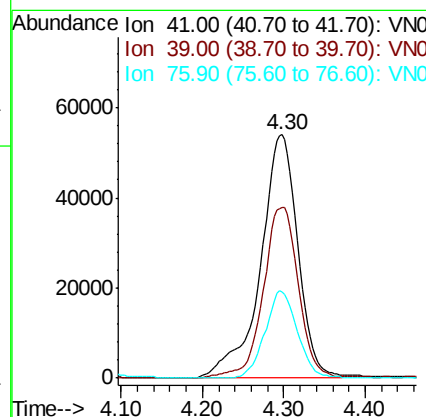
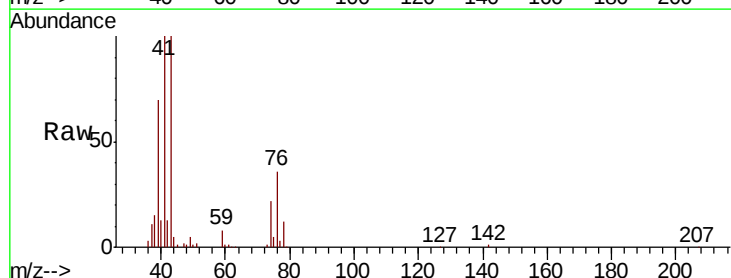
Tgt Ion: 41 Resp: 173120

Ion Ratio Lower Upper

41 100

39 66.1 49.1 73.7

76 31.0 24.9 37.3





#15

Acrylonitrile

Concen: 104.926 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

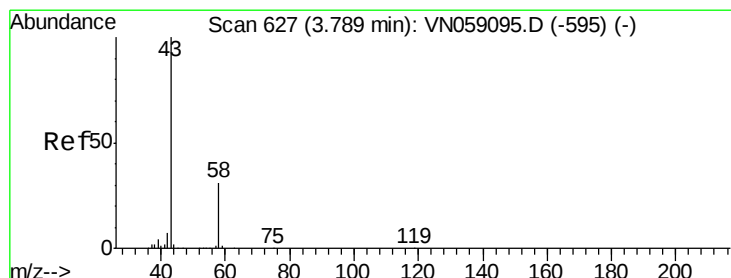
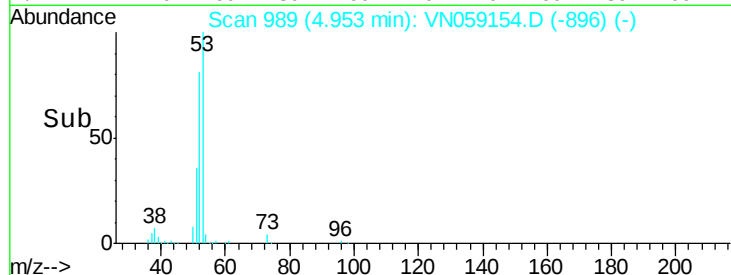
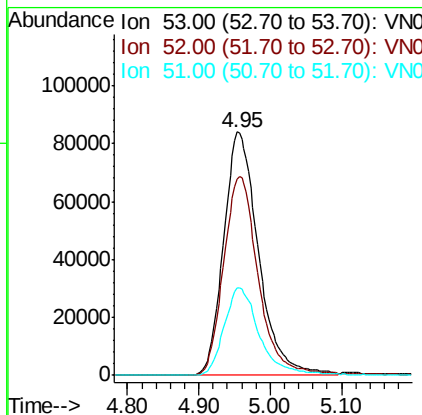
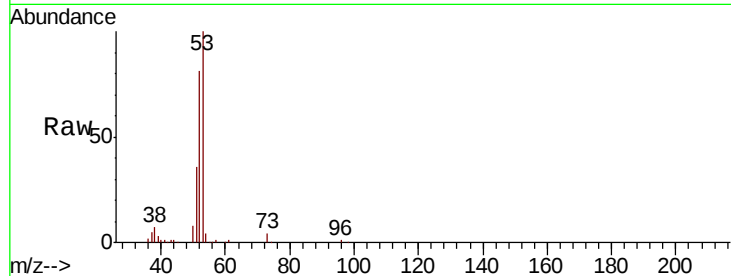
ClientSampleId :

VN1111WBS01

Tot Ion:	53	Resp:	285850
Ion Ratio	Lower	Upper	
53	100		
52	79.7	65.0	97.6
51	36.4	28.0	42.0

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#16

Acetone

Concen: 98.323 ug/l

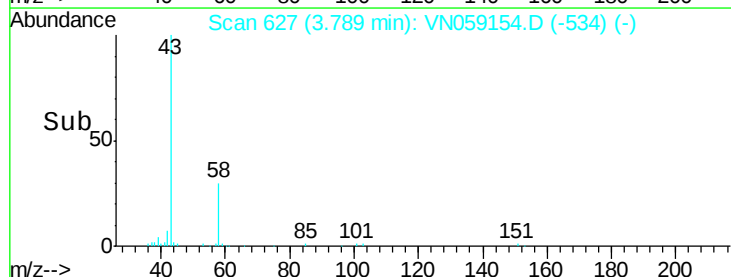
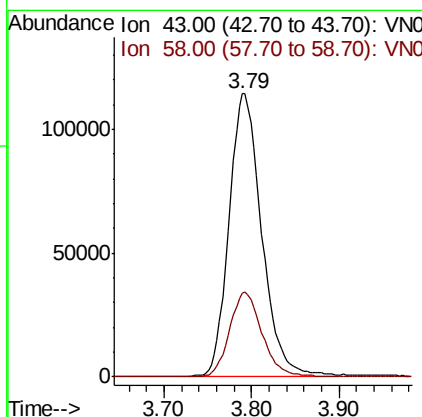
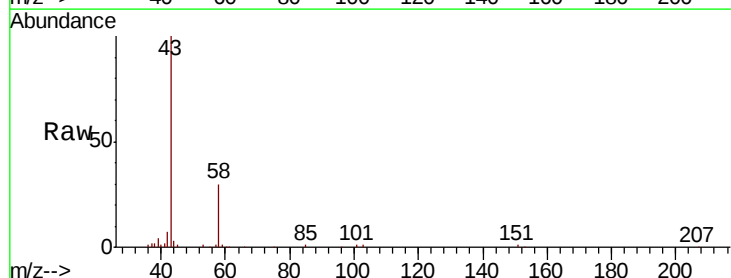
RT: 3.79 min Scan# 627

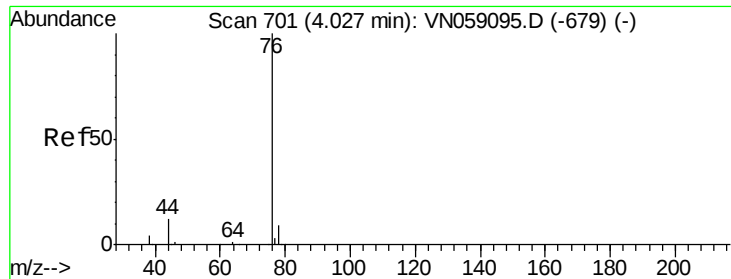
Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion:	43	Resp:	293694
Ion Ratio	Lower	Upper	
43	100		
58	29.7	24.9	37.3





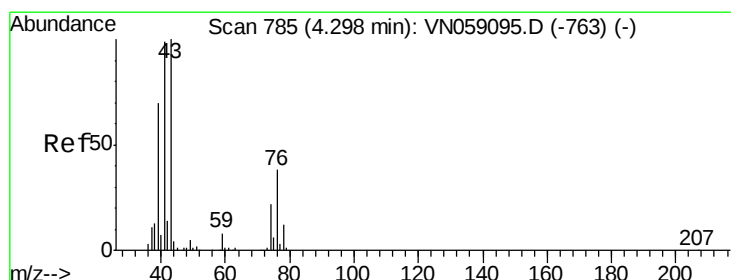
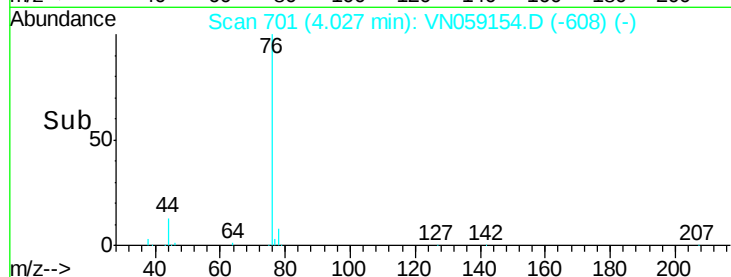
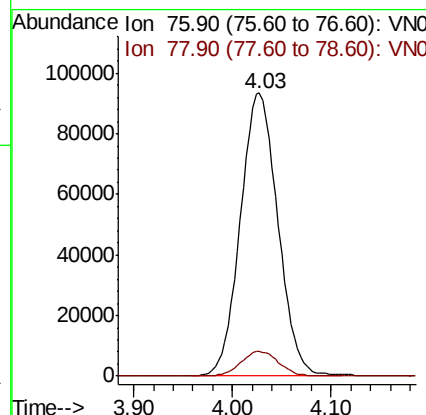
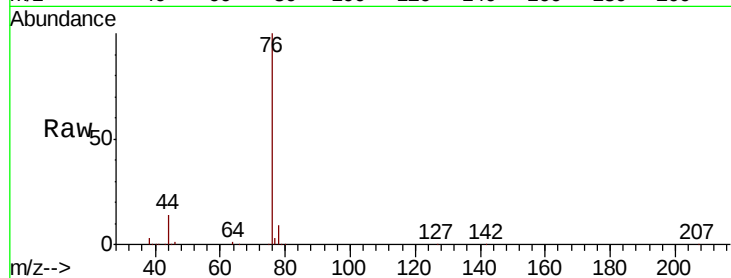
#17
Carbon Disulfide
Concen: 18.208 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

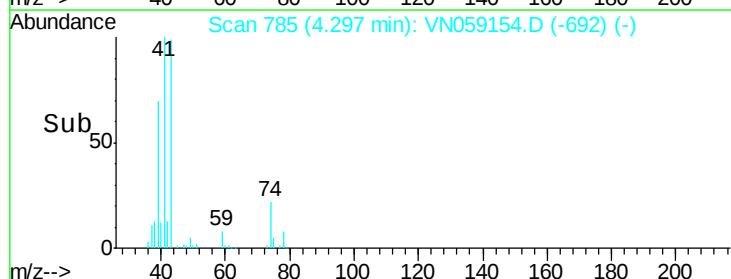
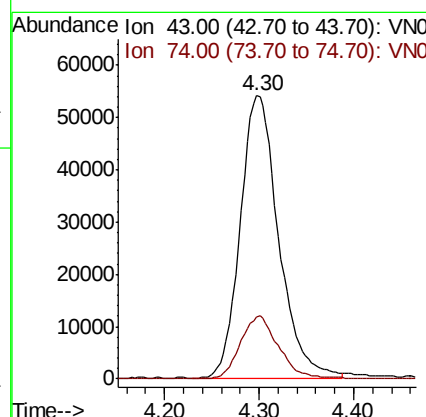
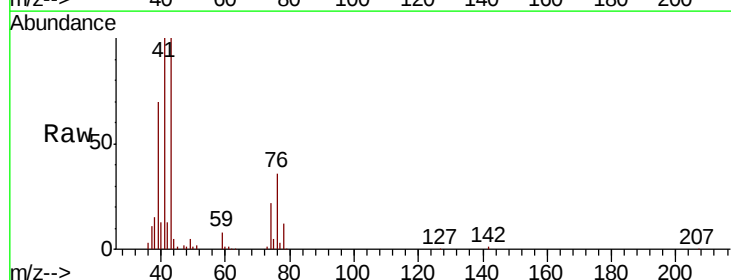
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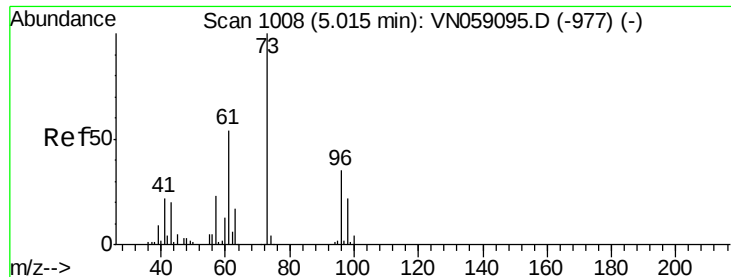
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#18
Methyl Acetate
Concen: 21.660 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.8	26.8





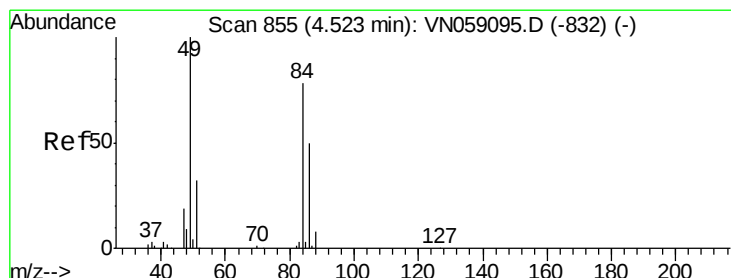
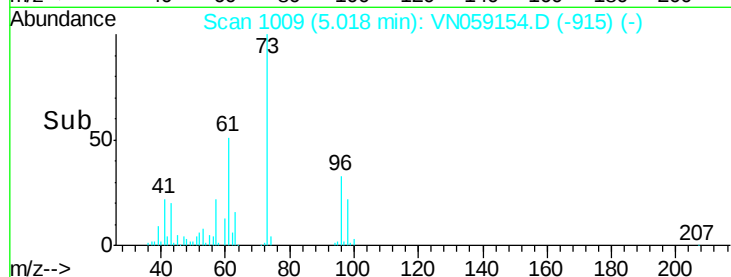
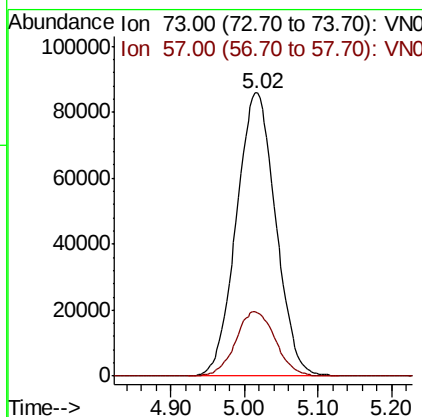
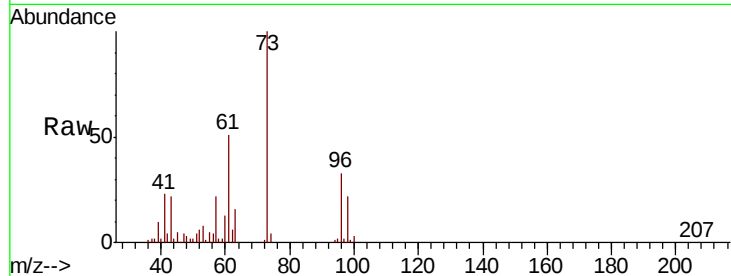
#19
Methvl tert-butvl Ether
Concen: 21.264 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 73 Resp: 319122
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

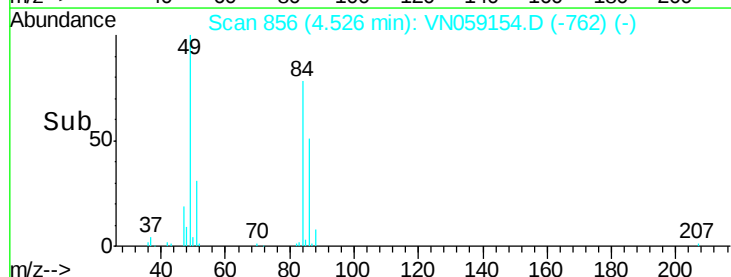
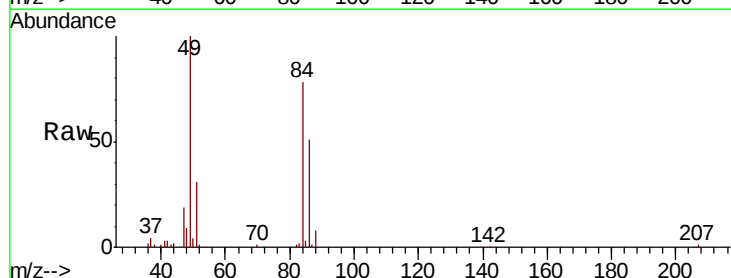
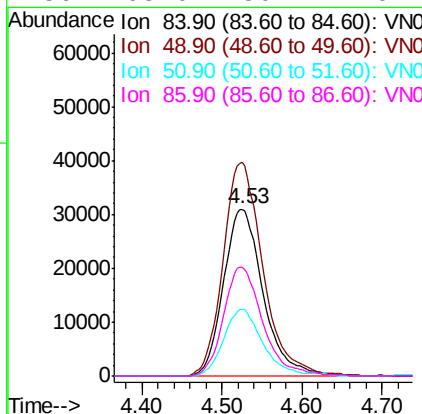
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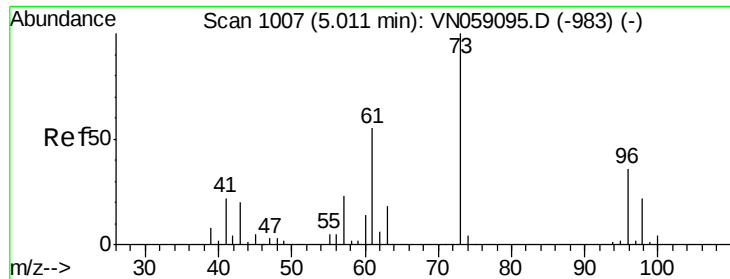
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#20
Methylene Chloride
Concen: 20.061 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 84 Resp: 104397
Ion Ratio Lower Upper
84 100
49 127.9 102.0 153.0
51 40.2 32.2 48.2
86 65.0 50.7 76.1





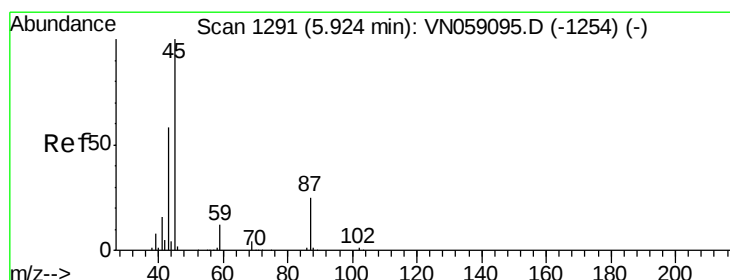
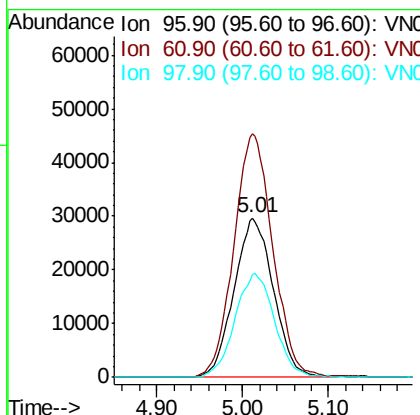
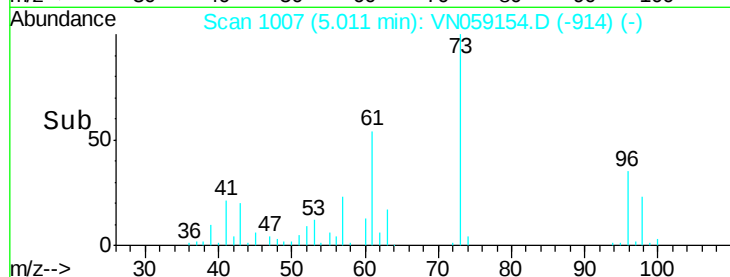
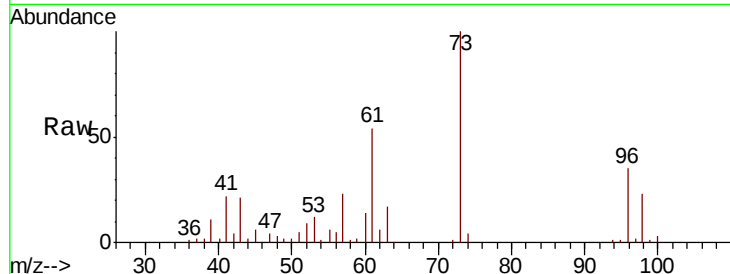
#21
trans-1,2-Dichloroethene
Concen: 20.165 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	122.6	183.8
98	64.4	50.3	75.5

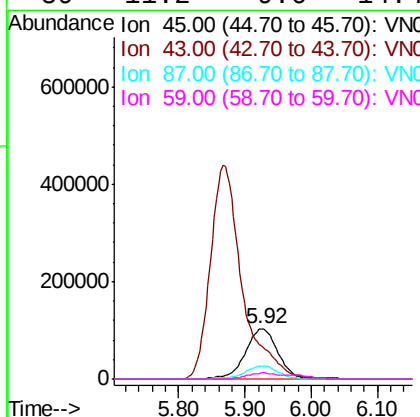
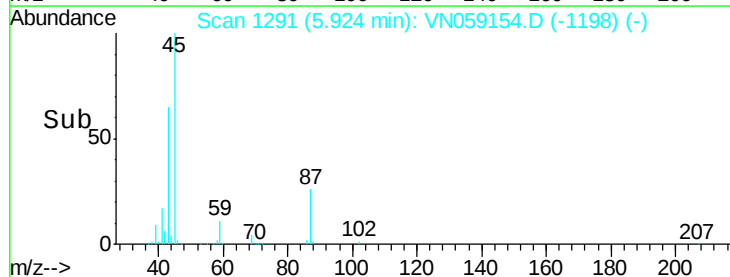
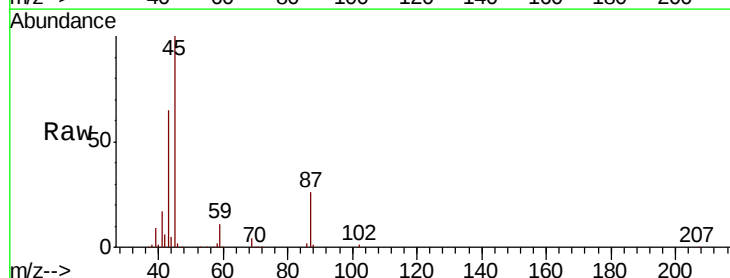
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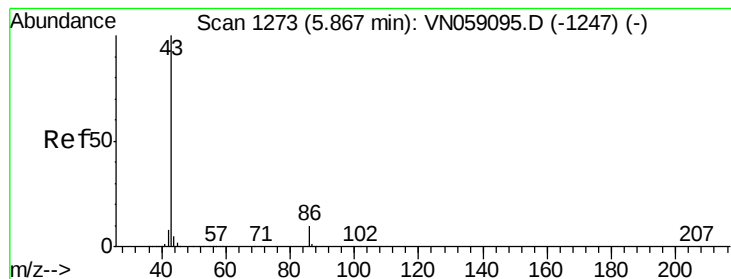
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#22
Diisopropyl ether
Concen: 20.785 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	46.7	70.1
87	25.9	20.5	30.7
59	11.2	9.6	14.4





#23

Vinyl Acetate

Concen: 111.827 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 43 Resp: 1465777

Ion Ratio Lower Upper

43 100

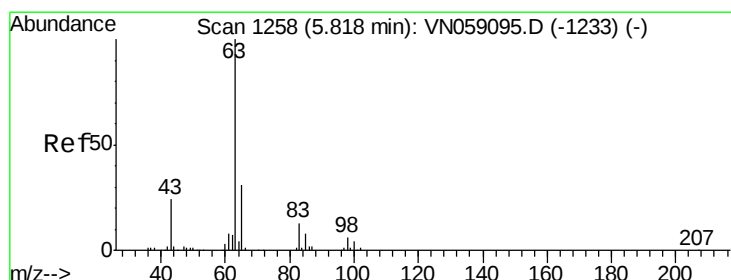
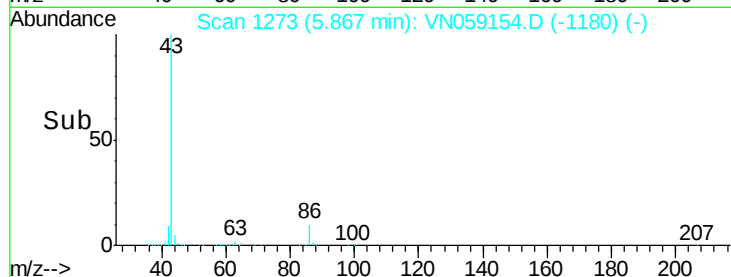
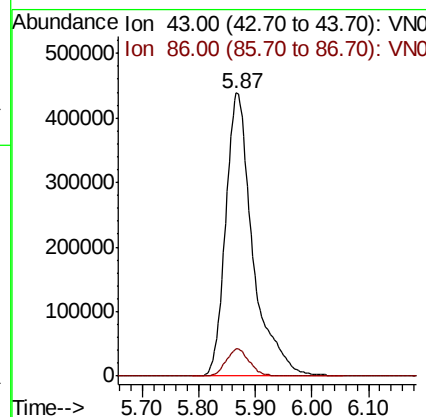
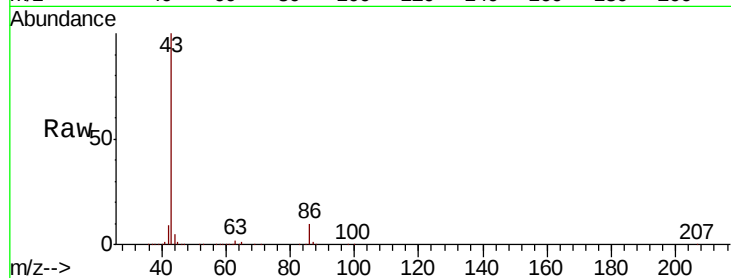
86 9.6 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 20.526 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

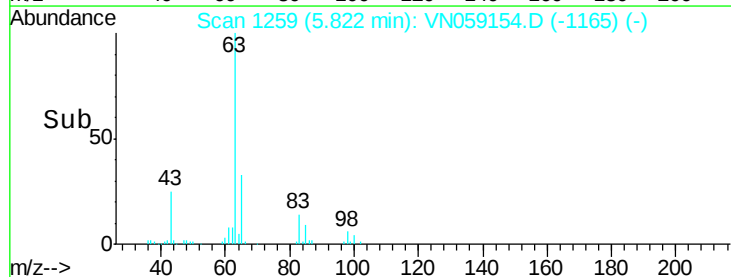
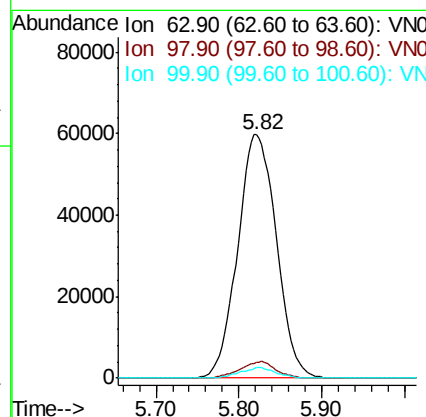
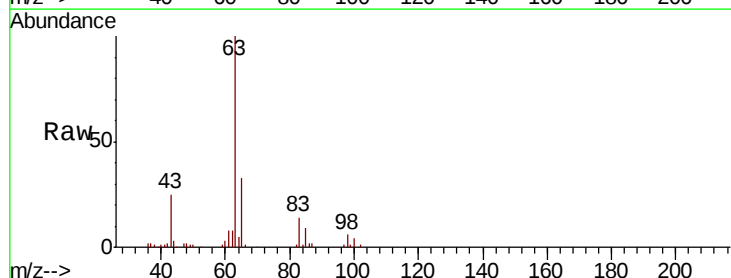
Tgt Ion: 63 Resp: 193888

Ion Ratio Lower Upper

63 100

98 6.4 2.8 8.4

100 4.2 1.9 5.7





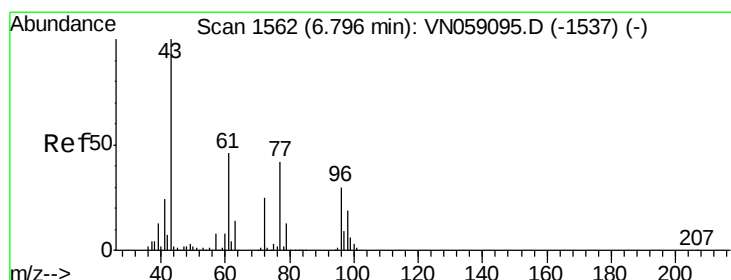
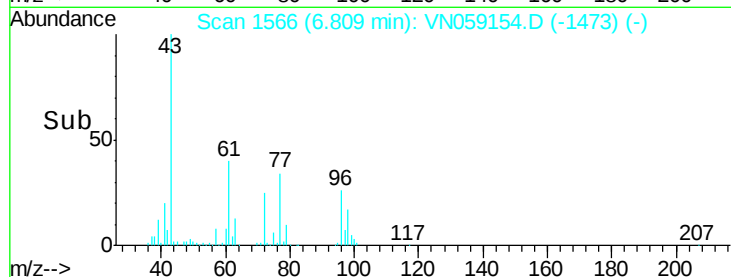
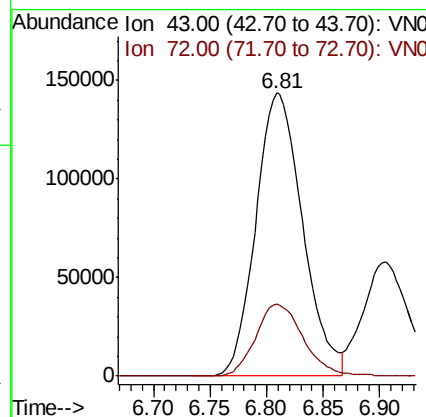
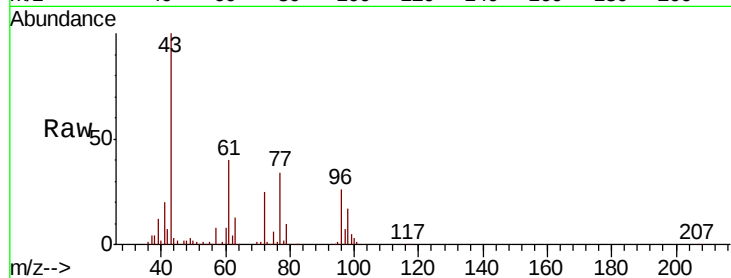
#25
2-Butanone
Concen: 104.303 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion: 43 Resp: 410610
Ion Ratio Lower Upper
43 100
72 25.3 20.3 30.5

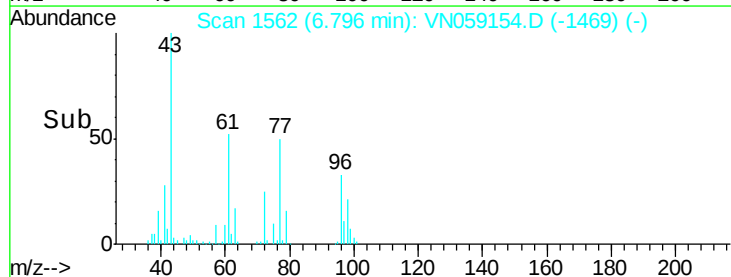
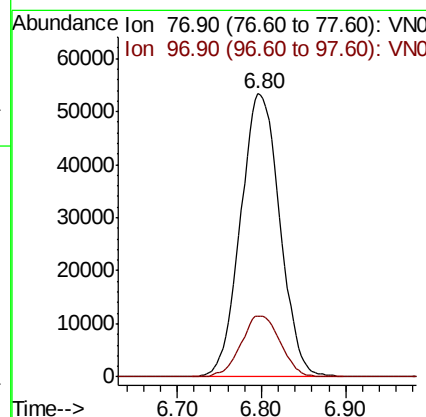
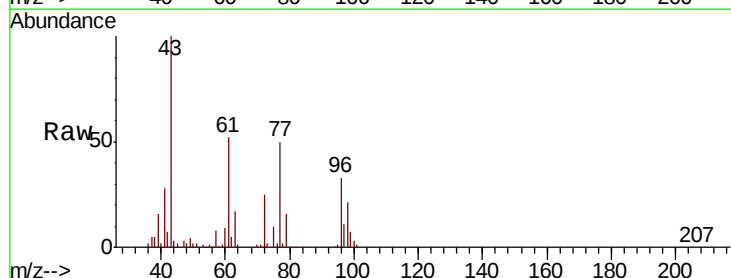
Manual Integrations
APPROVED

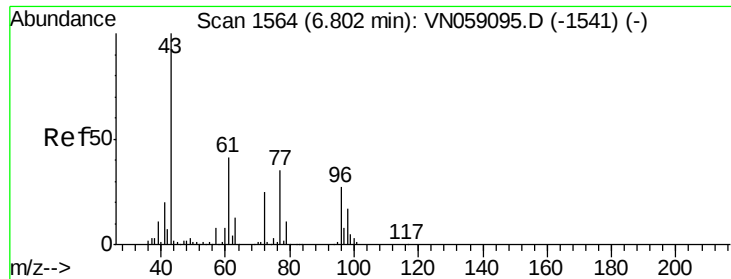
MMDadoda
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#26
2,2-Dichloropropane
Concen: 20.955 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion: 77 Resp: 173082
Ion Ratio Lower Upper
77 100
97 21.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.587 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

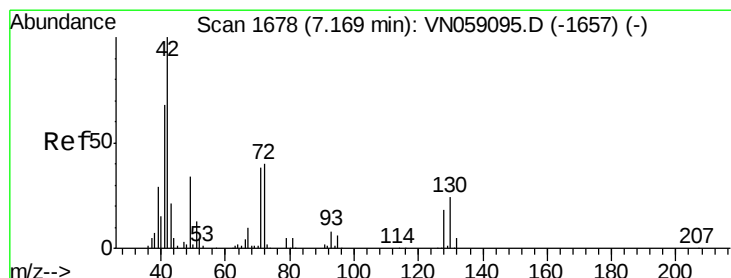
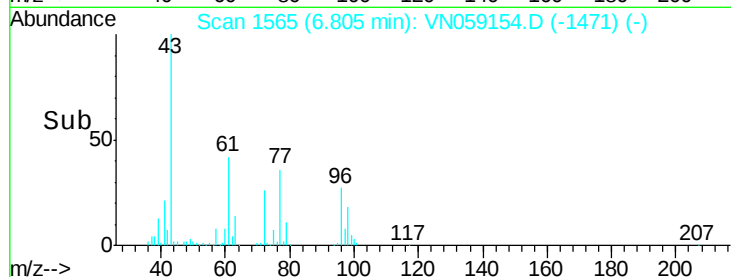
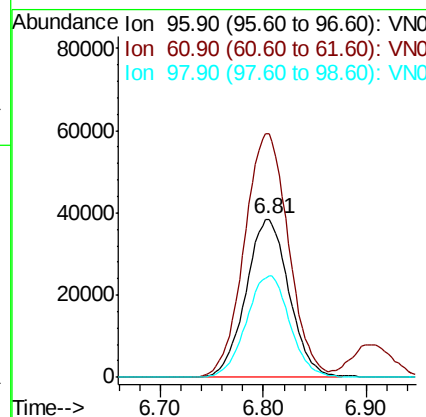
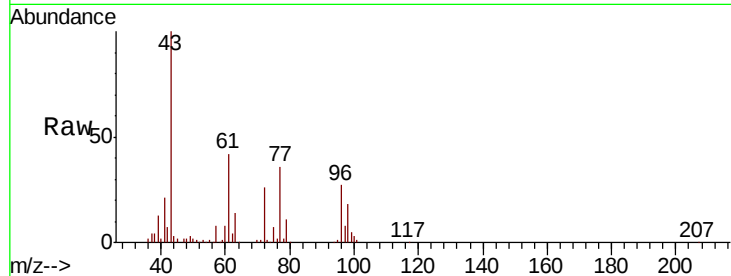
ClientSampleId :

VN1111WBS01

Tot Ion:	96	Resp:	111750
Ion	Ratio	Lower	Upper
96	100		
61	157.7	0.0	311.6
98	64.7	0.0	129.8

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#28

Bromochloromethane

Concen: 20.622 ug/l

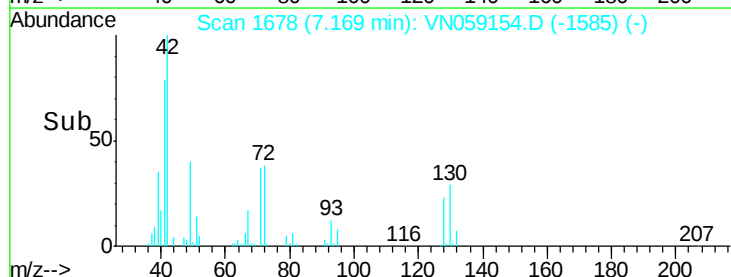
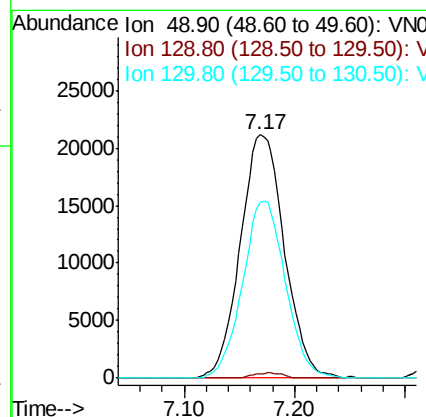
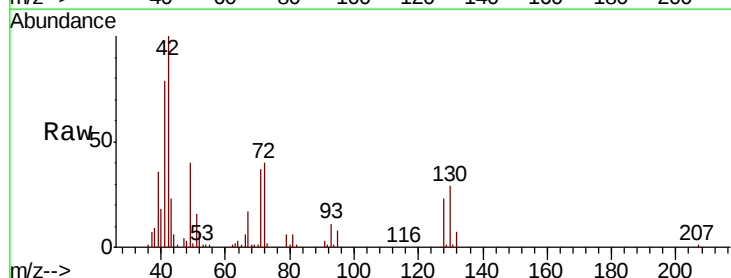
RT: 7.17 min Scan# 1678

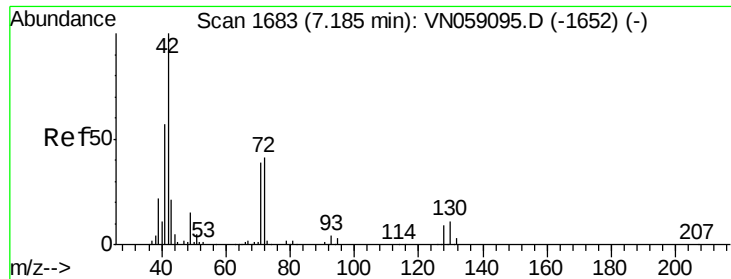
Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion:	49	Resp:	58607
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	70.7	55.6	83.4





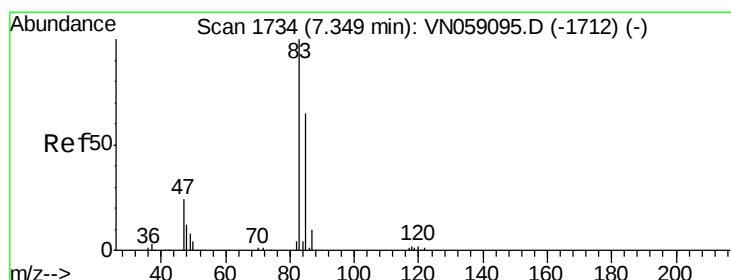
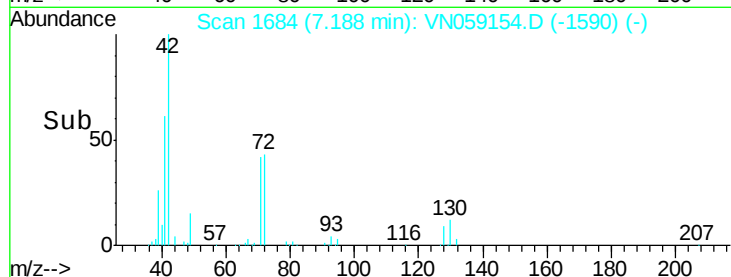
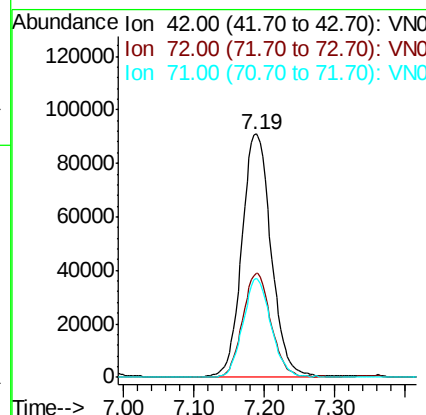
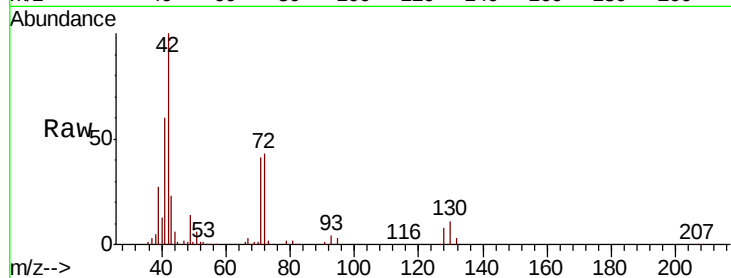
#29
Tetrahydrofuran
Concen: 105.824 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.1	49.7
71	38.7	30.9	46.3

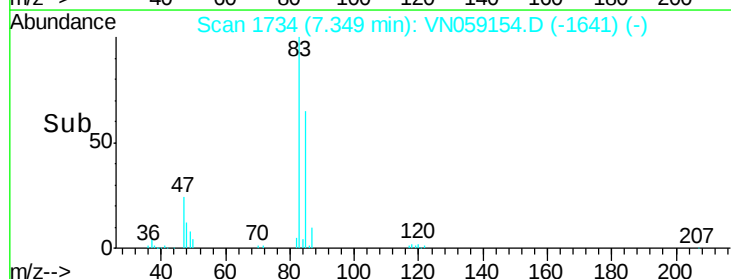
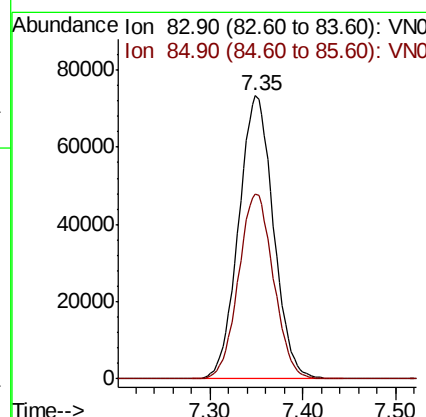
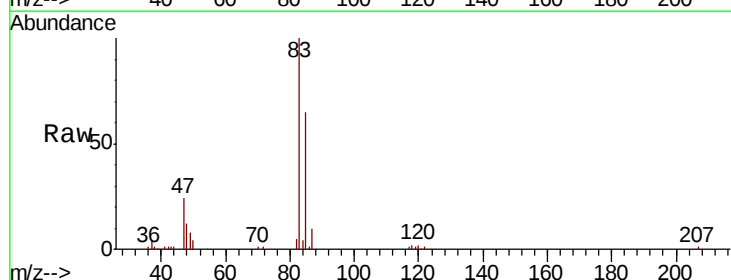
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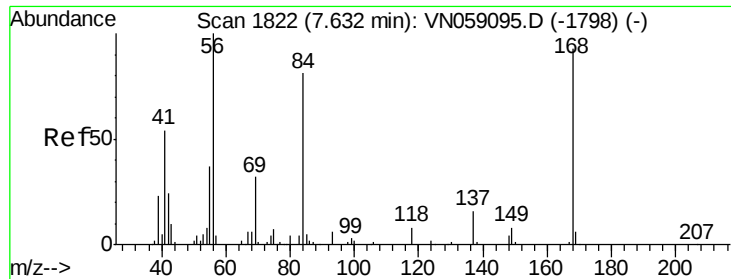
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#30
Chloroform
Concen: 21.112 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.8	77.8





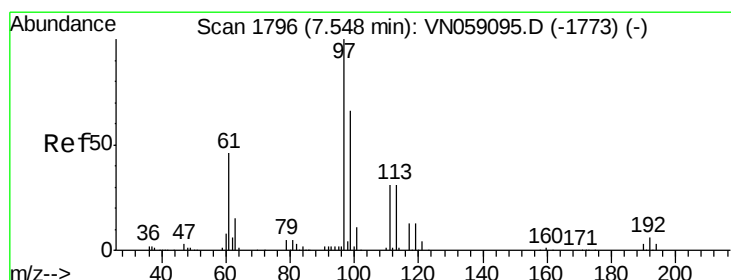
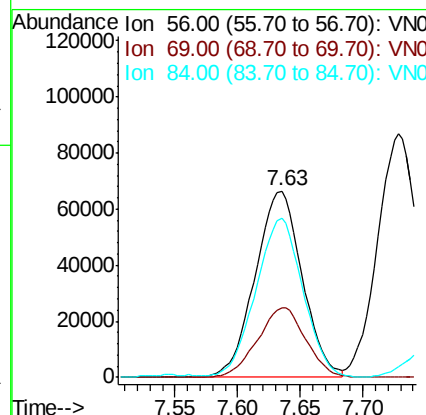
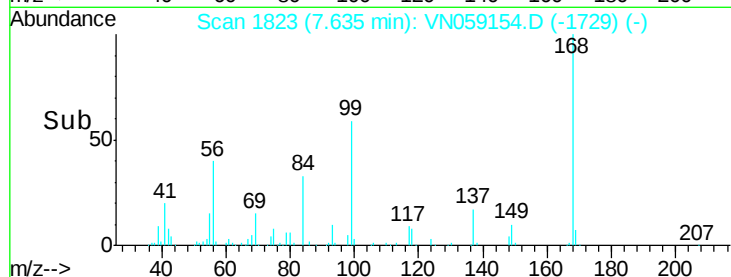
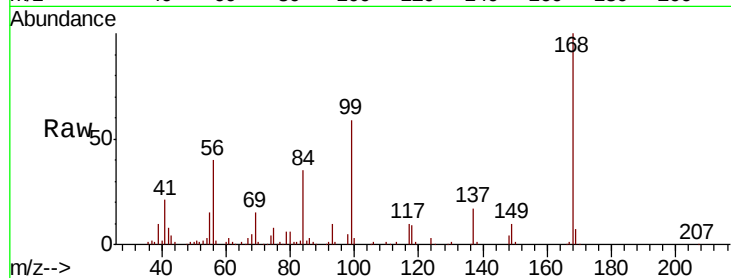
#31
Cvclohexane
Concen: 19.404 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	25.8	38.8
84	84.6	65.0	97.4

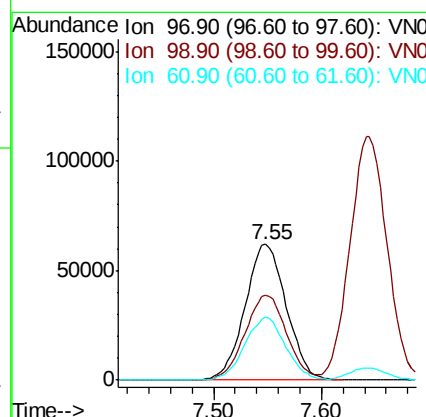
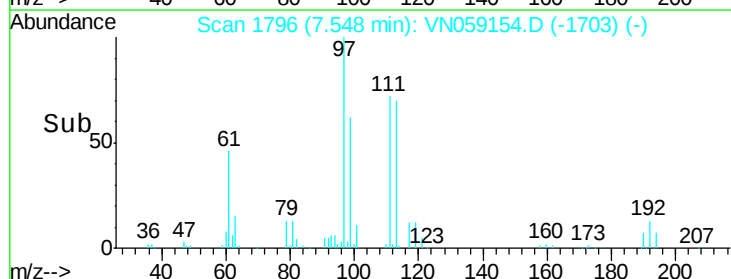
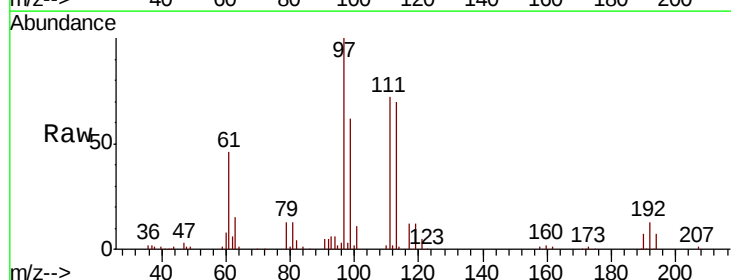
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#32
1,1,1-Trichloroethane
Concen: 21.583 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	46.0	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 53.202 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 65 Resp: 305594

Ion Ratio Lower Upper

65 100

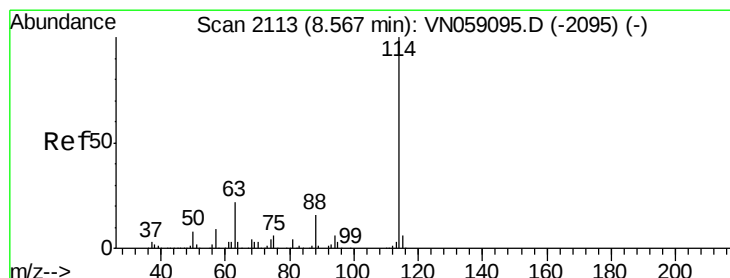
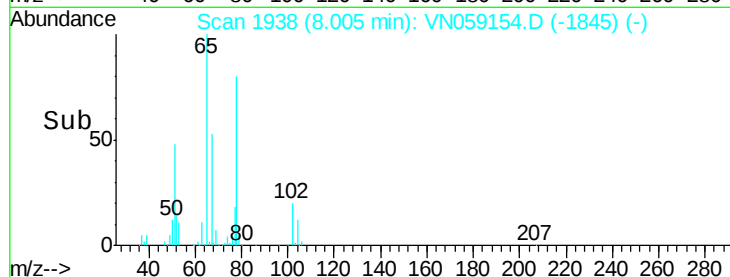
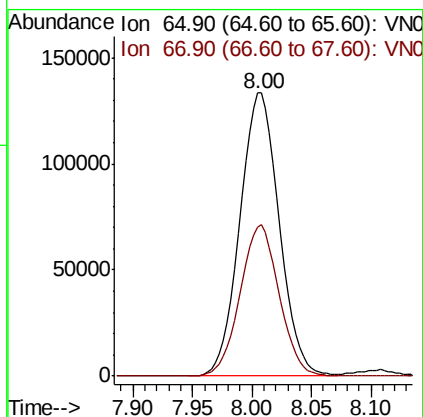
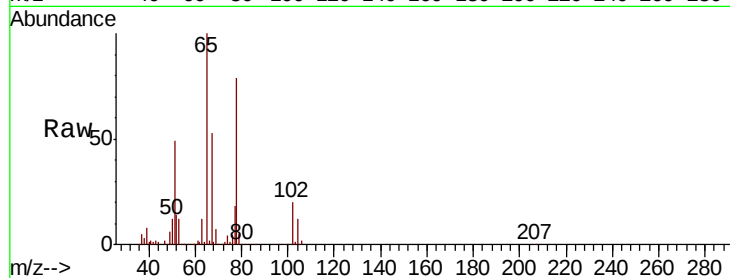
67 53.1 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

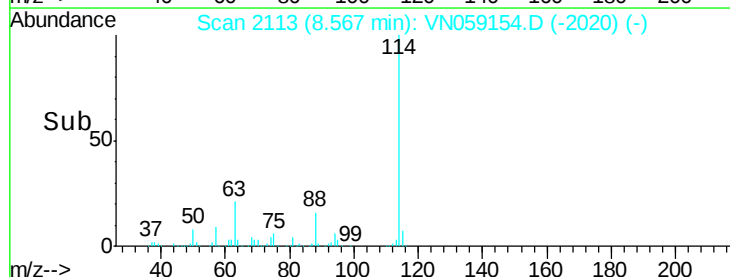
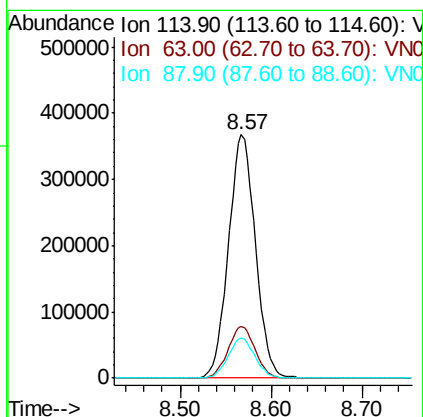
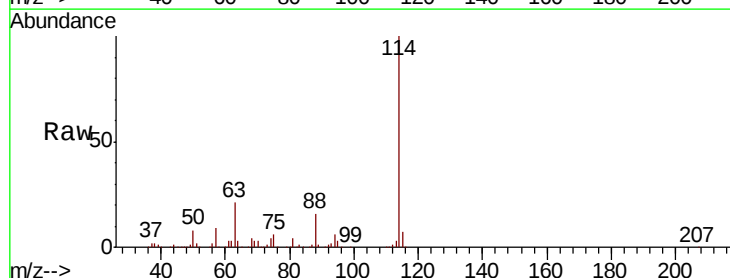
Tgt Ion: 114 Resp: 754038

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.4

88 16.5 0.0 32.2





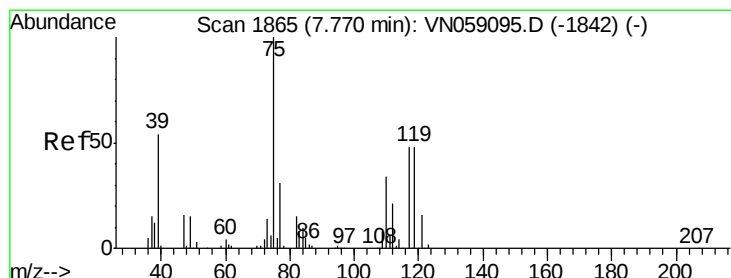
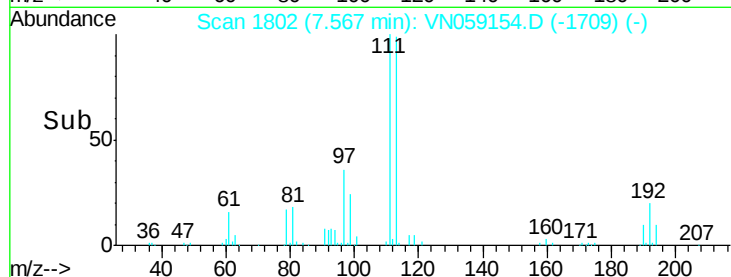
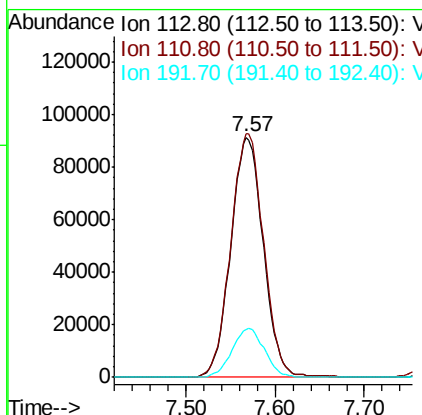
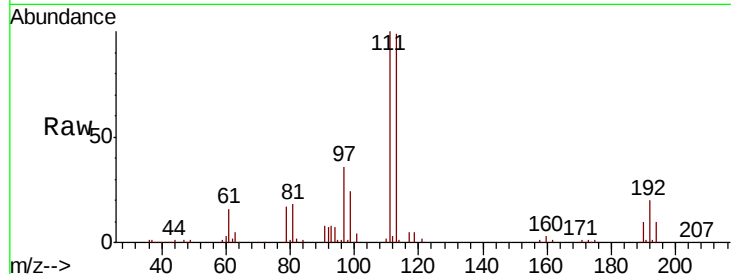
#35
Dibromofluoromethane
Concen: 51.446 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231627		
111	102.4	82.8	124.2	
192	20.2	16.1	24.1	

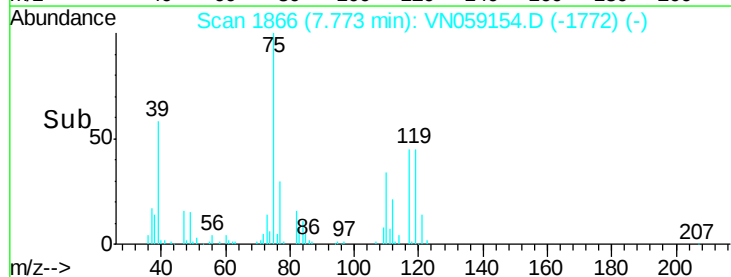
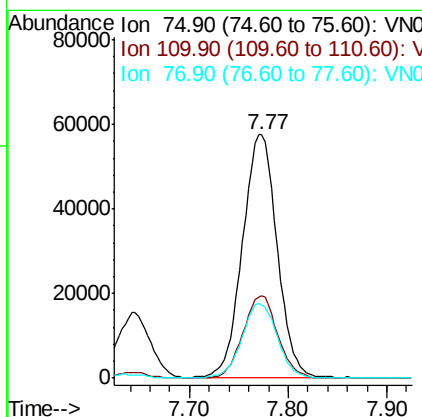
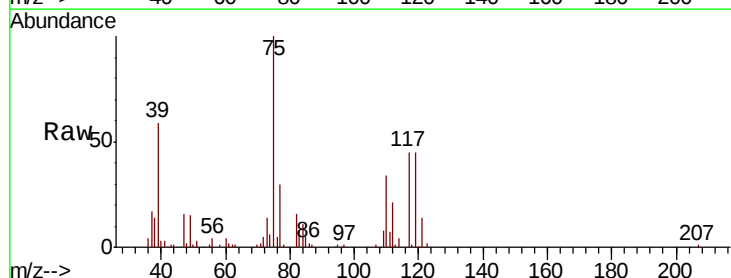
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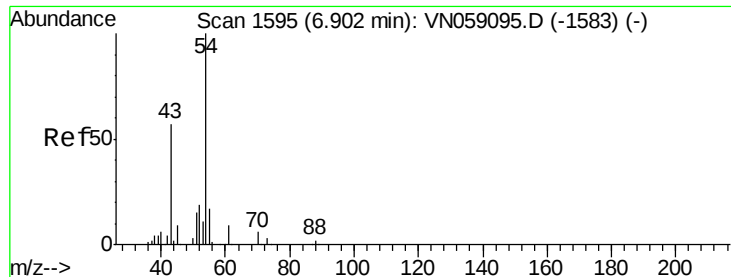
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#36
1,1-Dichloropropene
Concen: 19.732 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	139070		
110	33.9	17.1	51.2	
77	31.4	24.8	37.2	





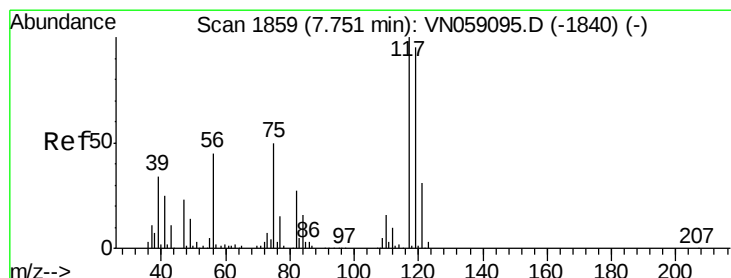
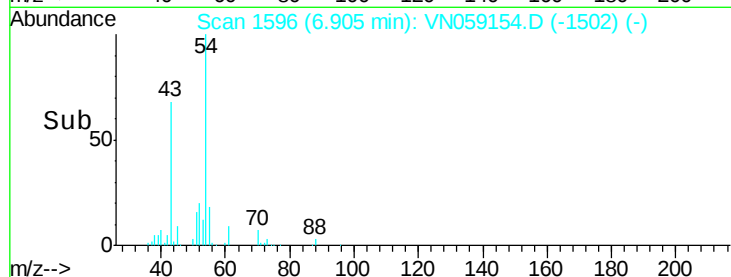
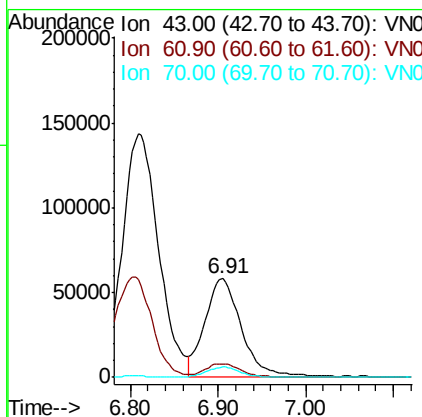
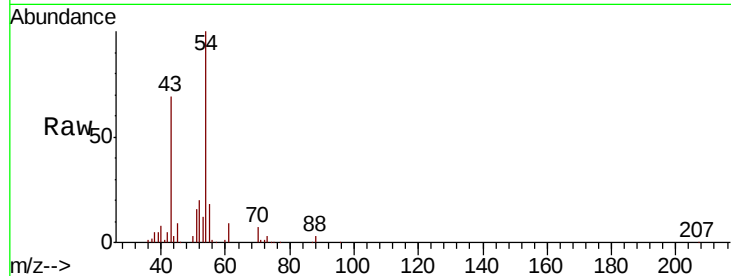
#37
Ethyl Acetate
Concen: 21.273 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.2	16.8
70	9.8	7.8	11.8

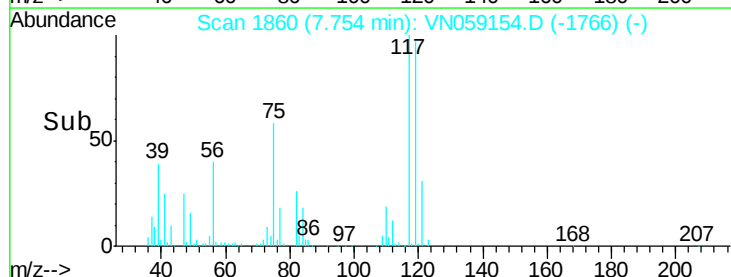
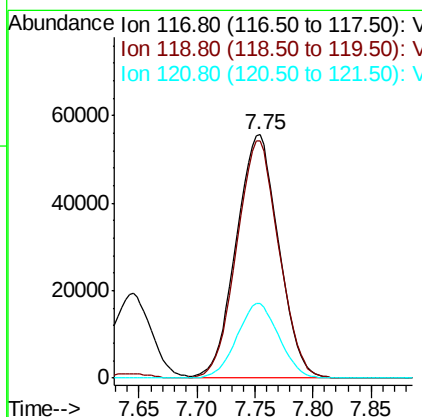
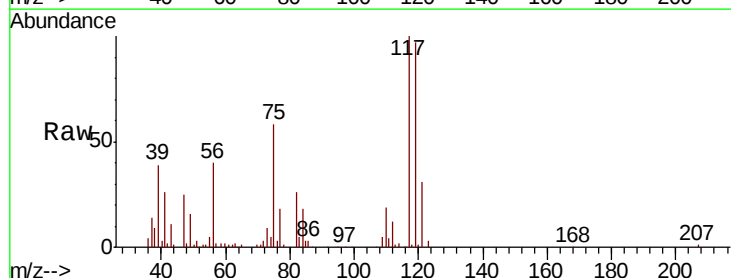
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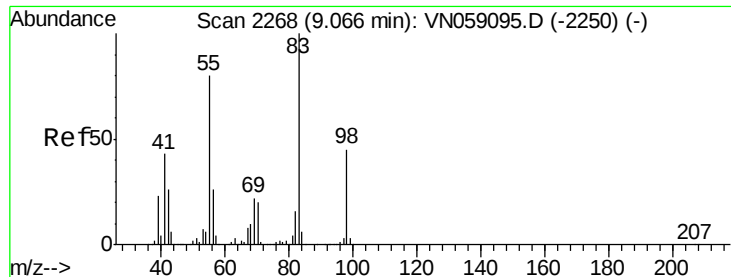
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#38
Carbon Tetrachloride
Concen: 20.243 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.6	113.4
121	30.7	24.6	36.8





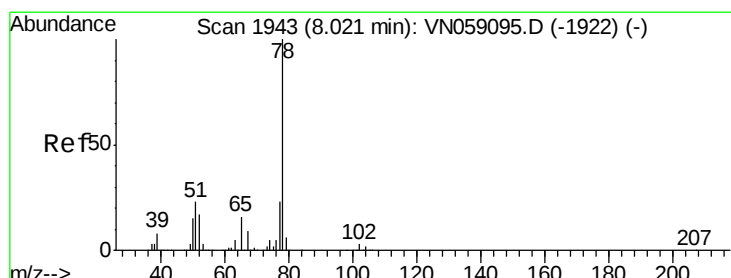
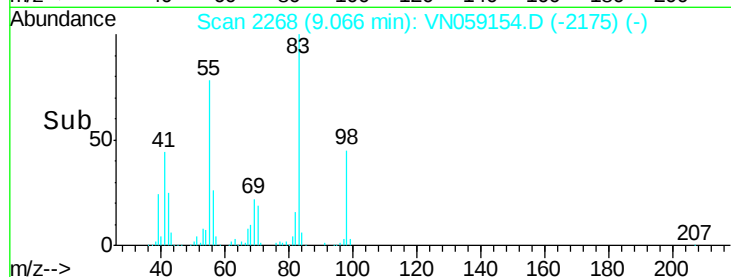
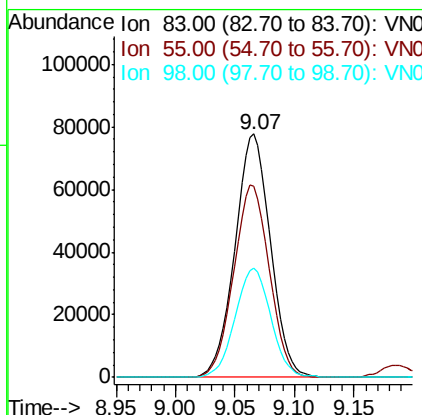
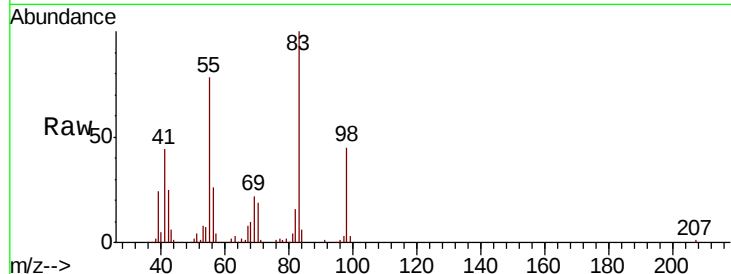
#39
Methvlcvclohexane
Concen: 19.656 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	160783		
55	78.4	63.9	95.9	
98	44.9	35.6	53.4	

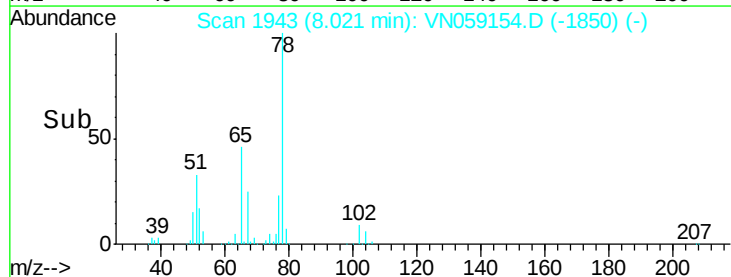
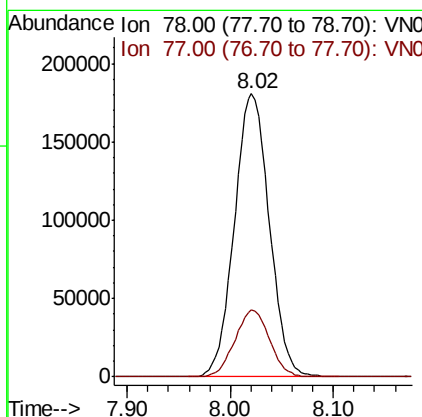
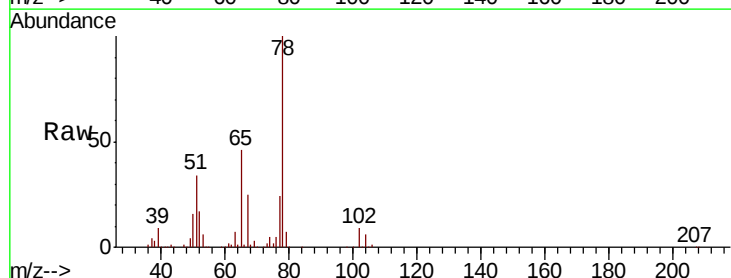
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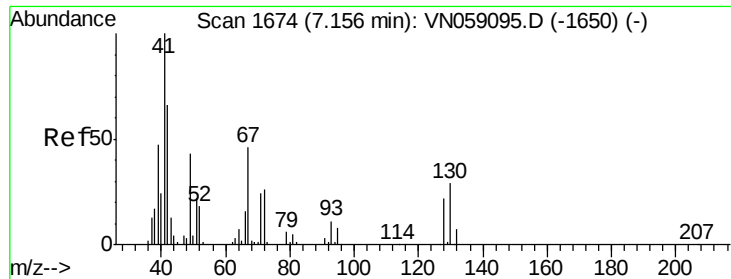
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#40
Benzene
Concen: 20.080 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	426175		
77	23.6	18.8	28.2	





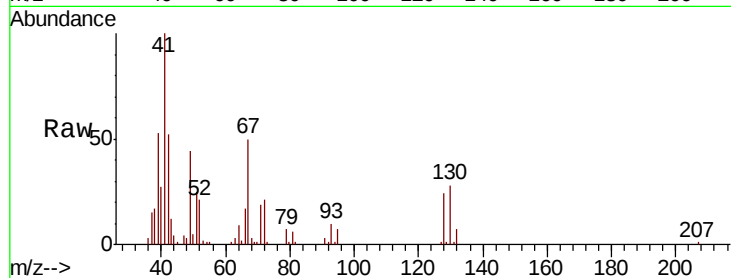
#41
Methacrylonitrile
Concen: 20.283 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

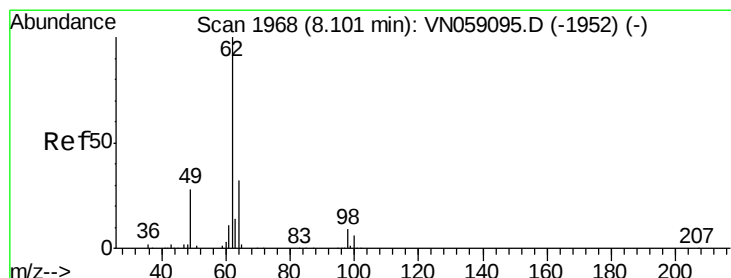
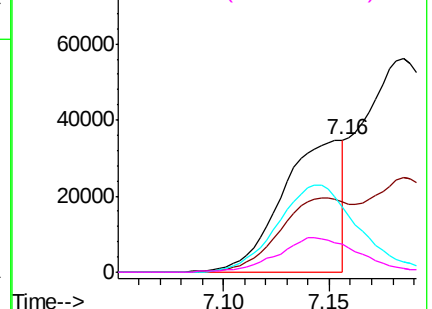
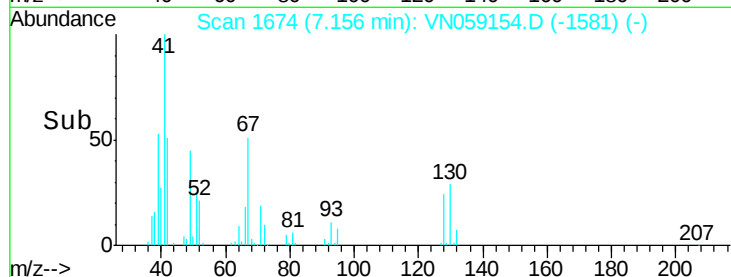
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		69154		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

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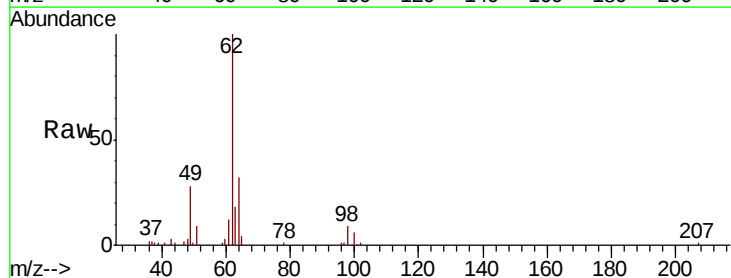


Abundance Ion 41.00 (40.70 to 41.70): VN059154.D (-1581) (-)
Ion 39.00 (38.70 to 39.70): VN059154.D (-1581) (-)
Ion 67.00 (66.70 to 67.70): VN059154.D (-1581) (-)
Ion 52.00 (51.70 to 52.70): VN059154.D (-1581) (-)

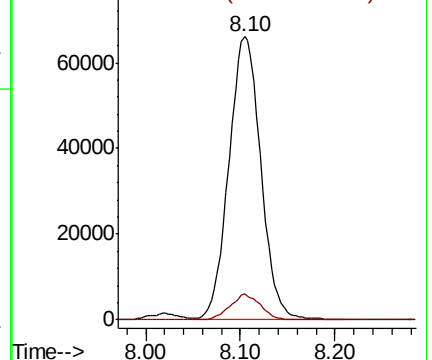
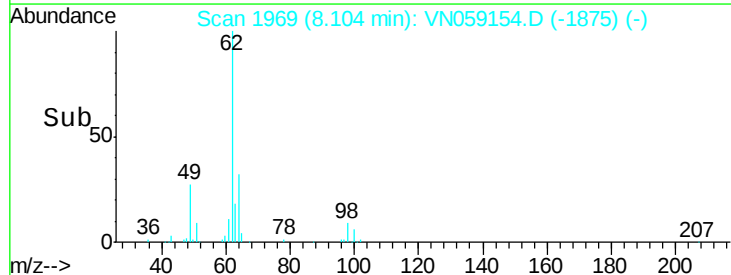


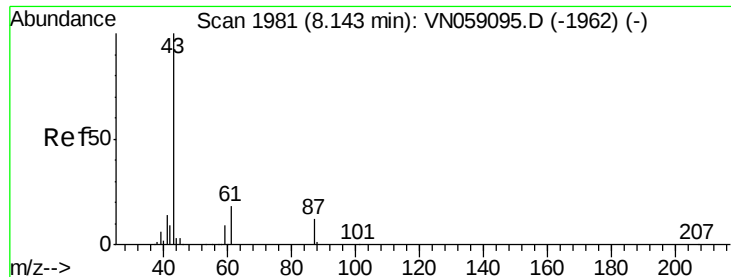
#42
1,2-Dichloroethane
Concen: 21.341 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		155348		
98	8.4	0.0	17.8		



Abundance Ion 61.90 (61.60 to 62.60): VN059154.D (-1875) (-)
Ion 97.90 (97.60 to 98.60): VN059154.D (-1875) (-)





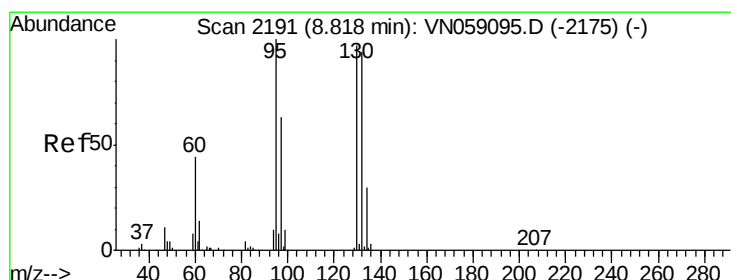
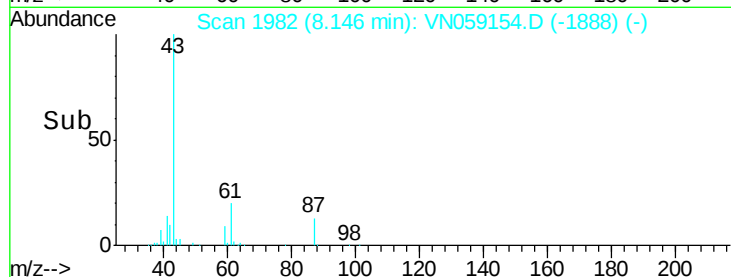
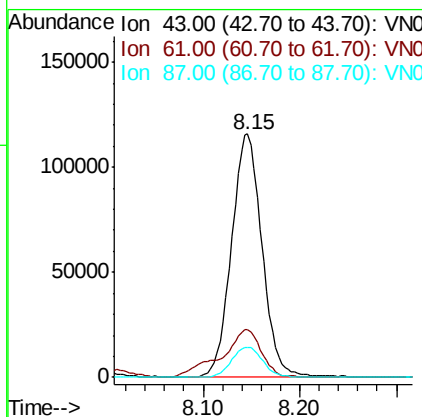
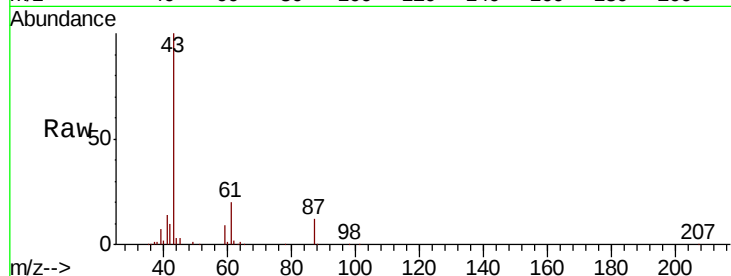
#43
Isopropyl Acetate
Concen: 20.156 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	21.0	31.6
87	12.8	9.8	14.6

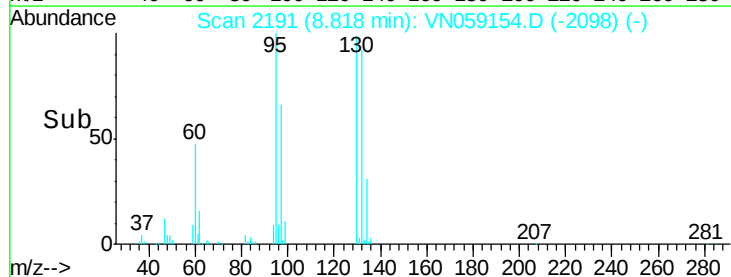
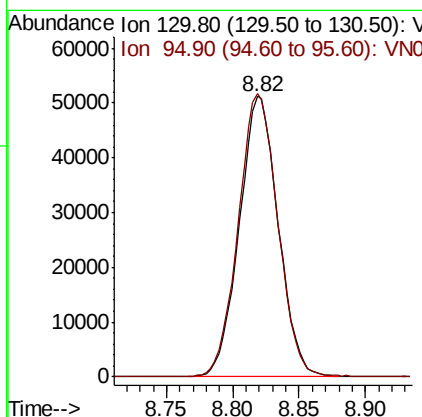
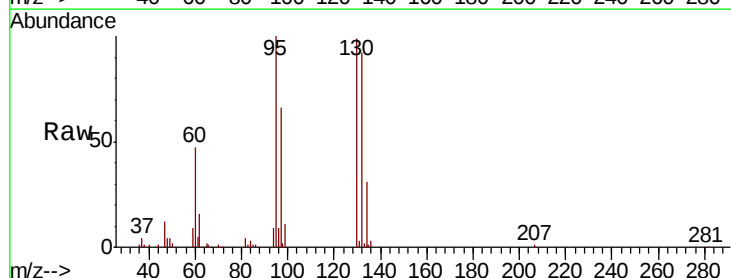
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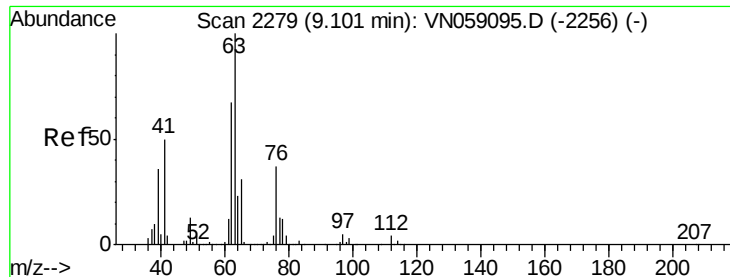
MMDadoda
11/12/2019 11:20:09 AM



#44
Trichloroethene
Concen: 19.953 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	206.4





#45

1,2-Dichloropropane

Concen: 20.093 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 63 Resp: 115834

Ion Ratio Lower Upper

63 100

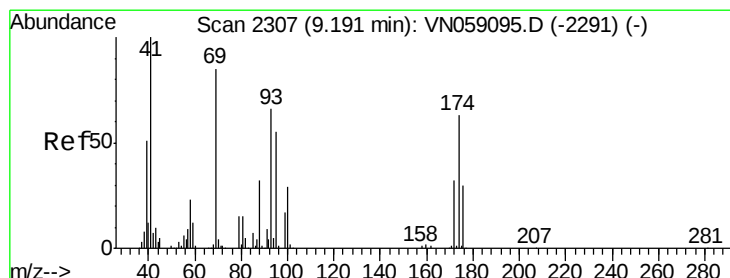
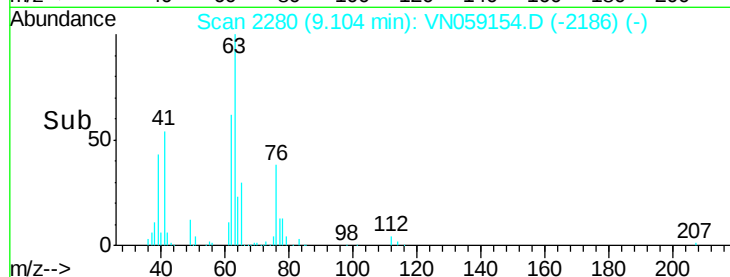
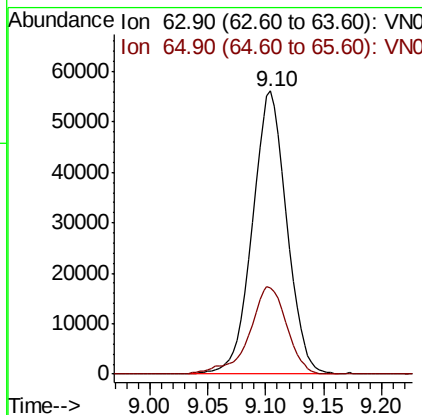
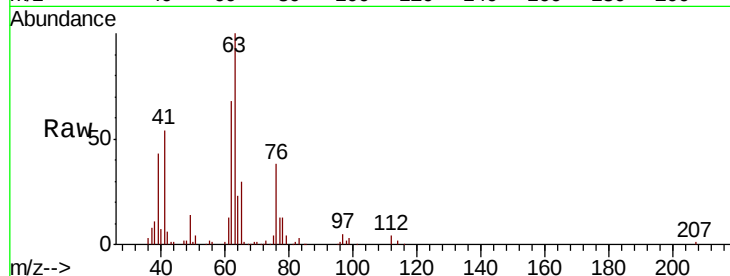
65 30.5 24.6 37.0

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#46

Dibromomethane

Concen: 19.877 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

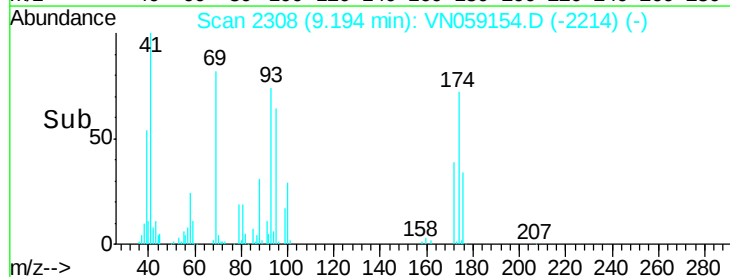
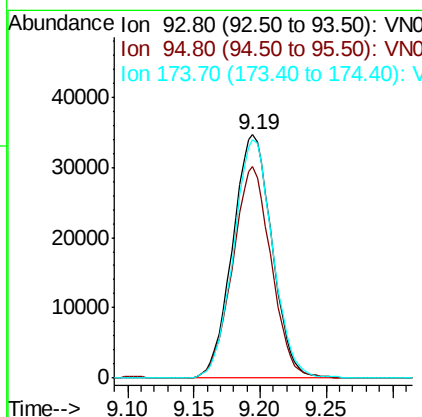
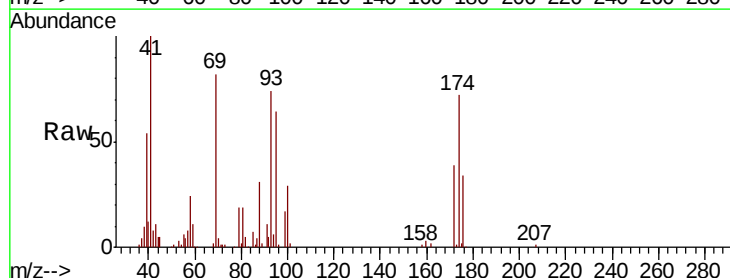
Tgt Ion: 93 Resp: 71407

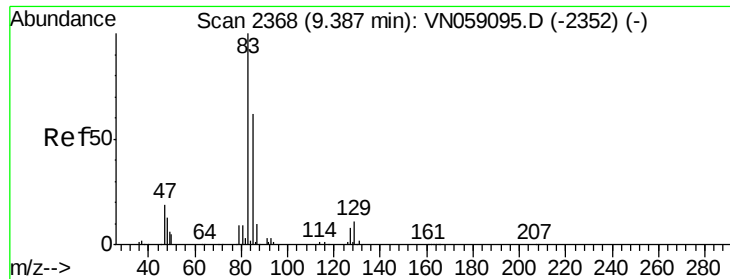
Ion Ratio Lower Upper

93 100

95 85.0 66.6 100.0

174 97.4 78.2 117.2





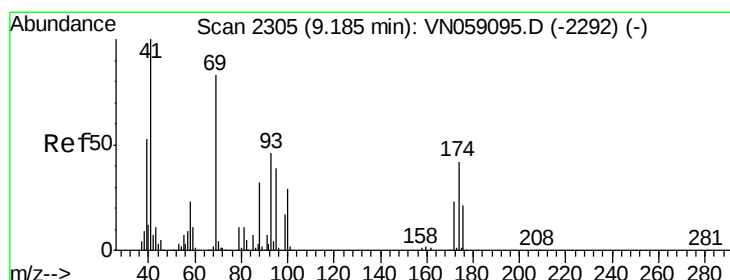
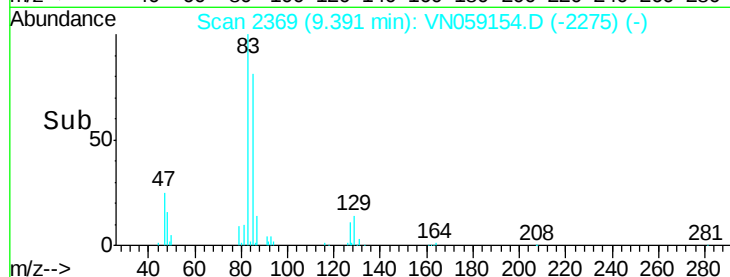
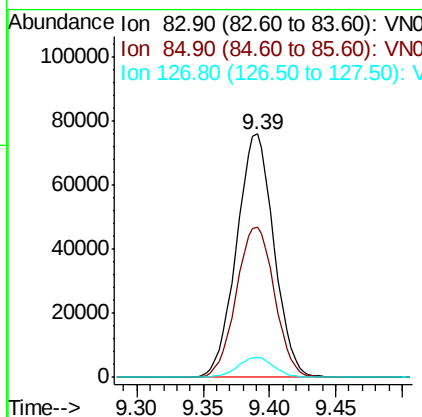
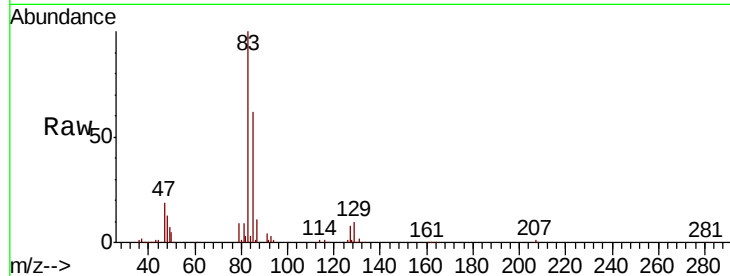
#47
Bromodichloromethane
Concen: 20.765 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	83	Resp	148952
Ion Ratio	100	Lower	Upper
83	100		
85	61.6	49.7	74.5
127	8.2	6.4	9.6

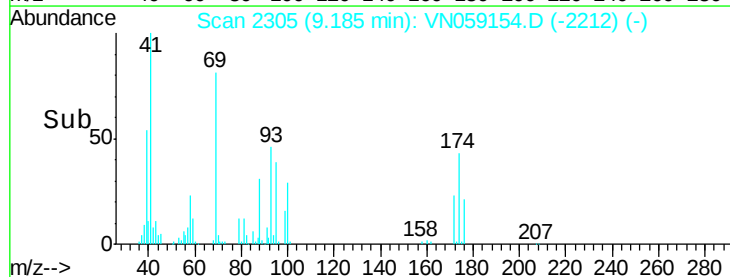
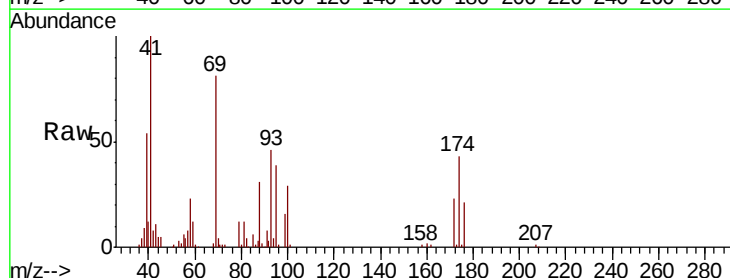
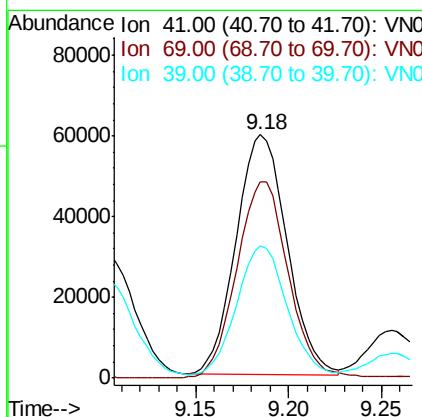
Manual Integrations
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#48
Methyl methacrylate
Concen: 20.305 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	41	Resp	113530
Ion Ratio	100	Lower	Upper
41	100		
69	83.4	67.3	100.9
39	55.6	43.3	64.9





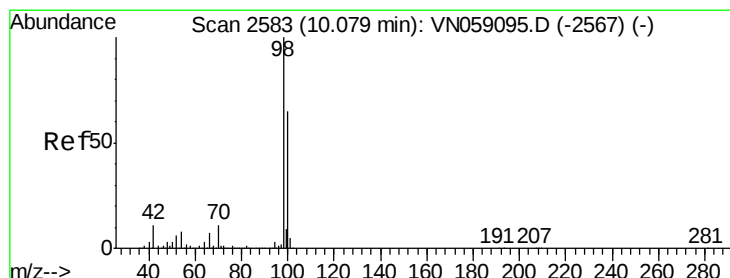
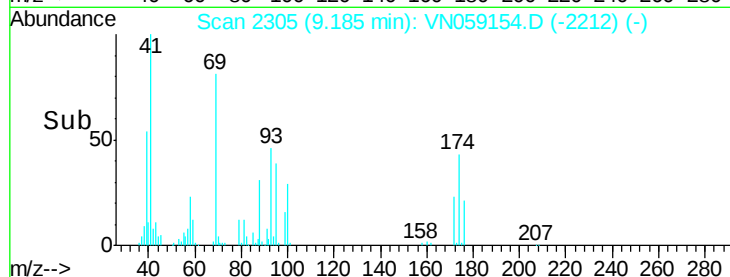
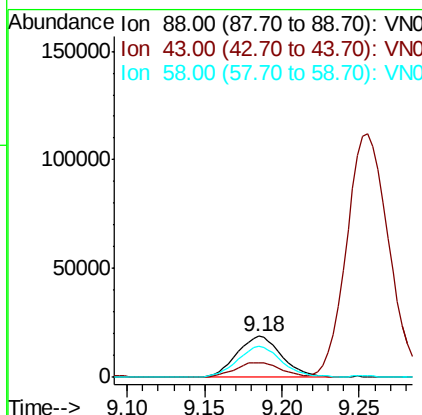
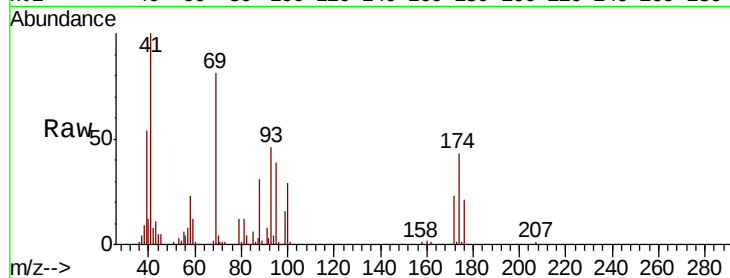
#49
1,4-Dioxane
Concen: 387.208 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	26.3	39.5
58	74.9	60.6	90.8

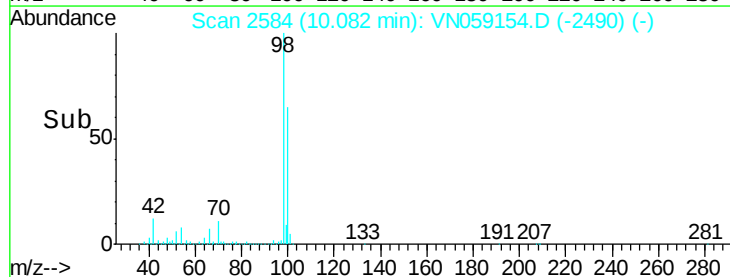
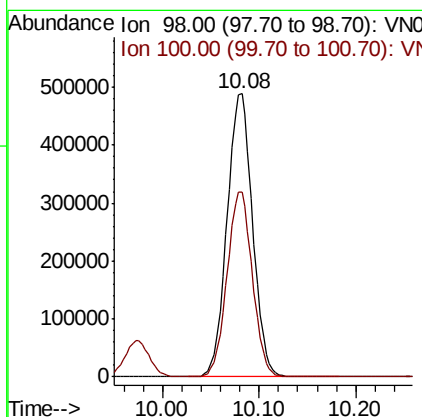
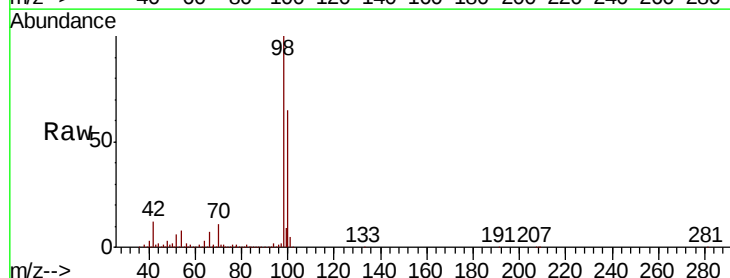
Manual Integrations
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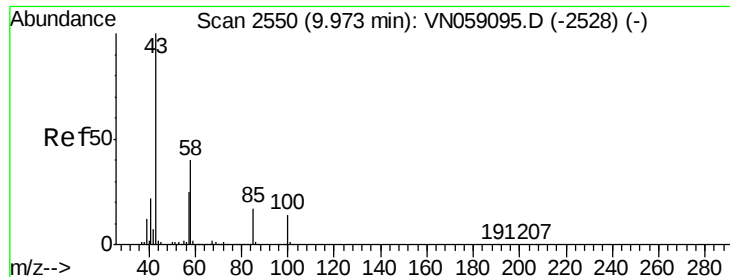
MMDadoda
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#50
Toluene-d8
Concen: 50.466 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 113.505 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 43 Resp: 802810

Ion Ratio Lower Upper

43 100

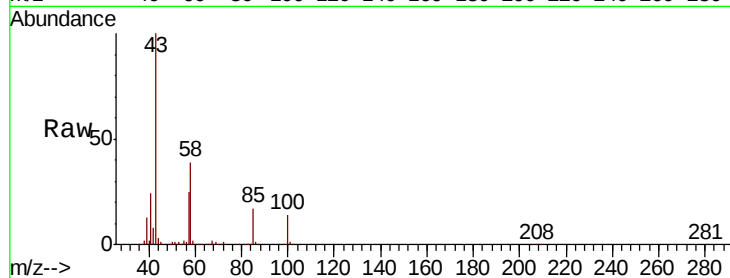
58 38.4 31.5 47.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

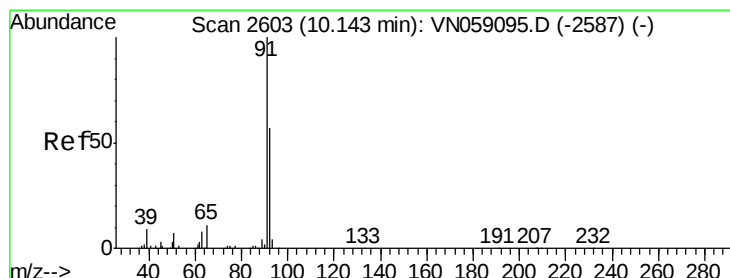
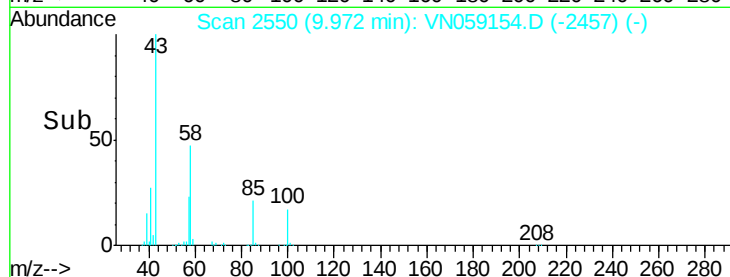
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.393 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059154.D

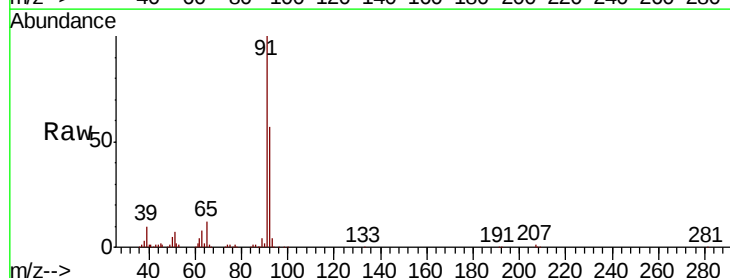
Acq: 11 Nov 2019 12:41

Tgt Ion: 92 Resp: 259418

Ion Ratio Lower Upper

92 100

91 173.7 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.14

250000

200000

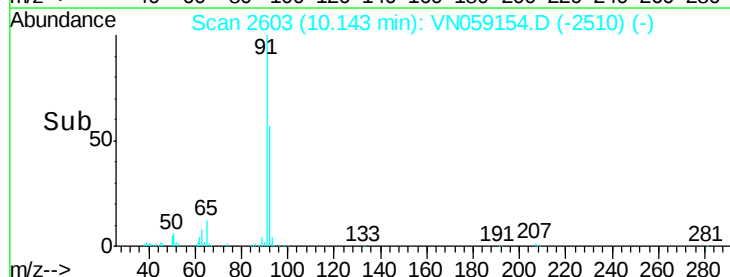
150000

100000

50000

0

Time-->





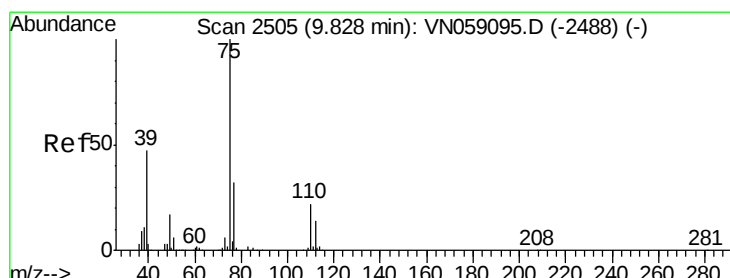
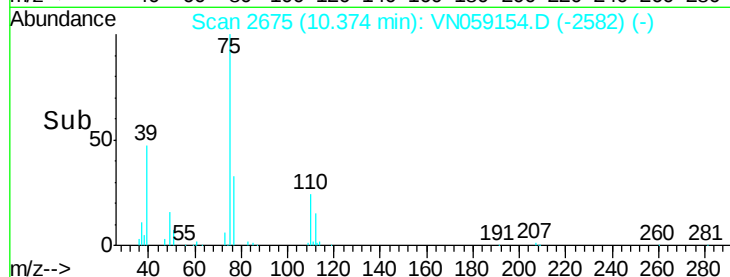
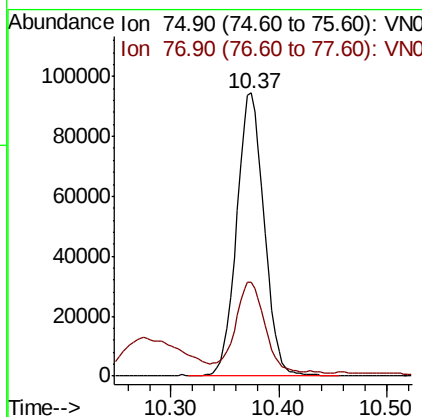
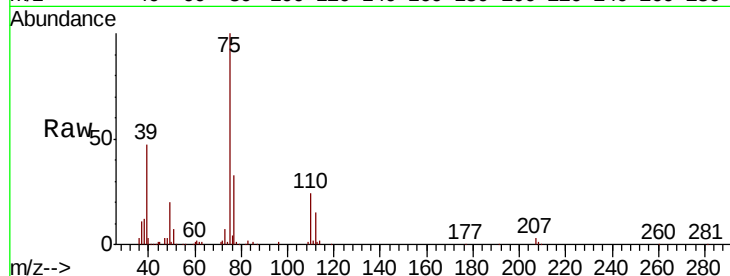
#53
t-1,3-Dichloropropene
Concen: 20.123 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.3	37.9

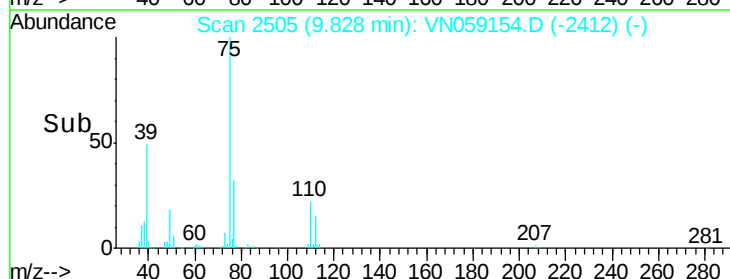
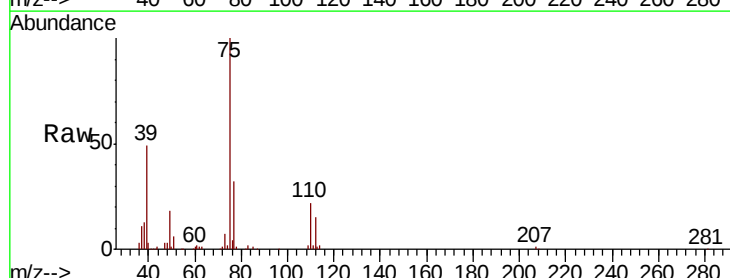
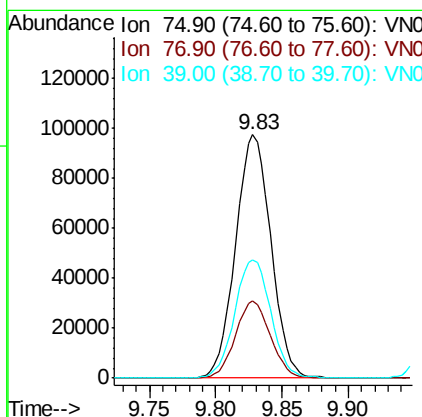
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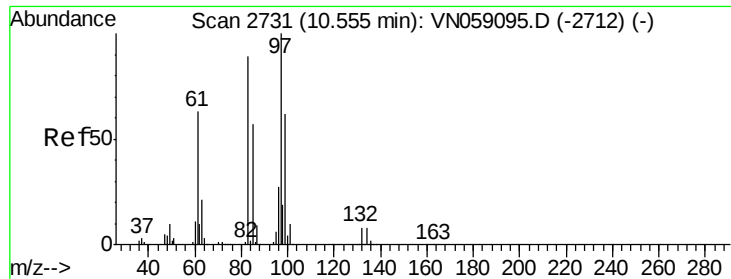
MMDadoda
11/12/2019 11:20:09 AM



#54
cis-1,3-Dichloropropene
Concen: 20.318 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.5	38.3
39	48.6	37.3	55.9





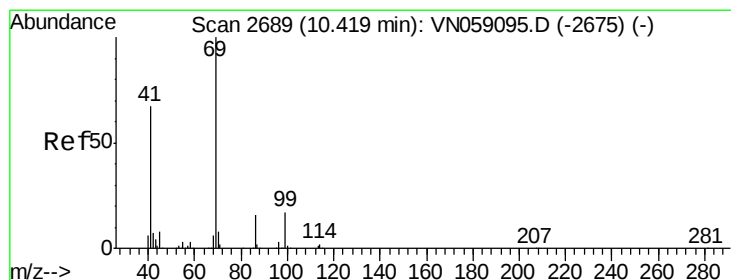
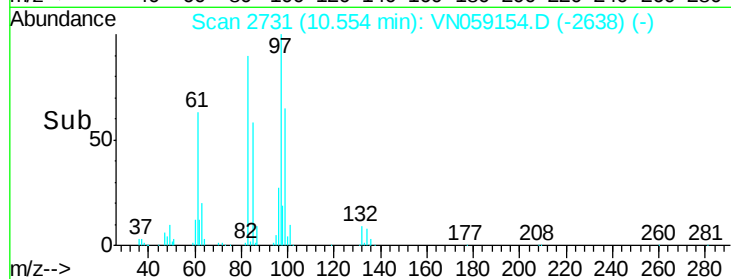
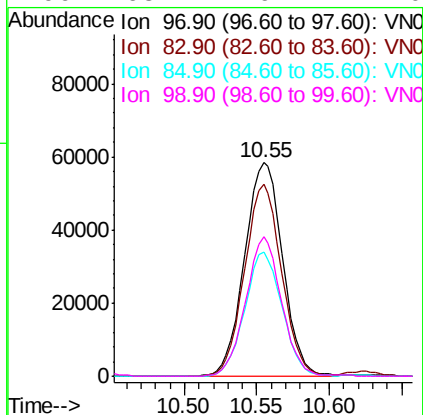
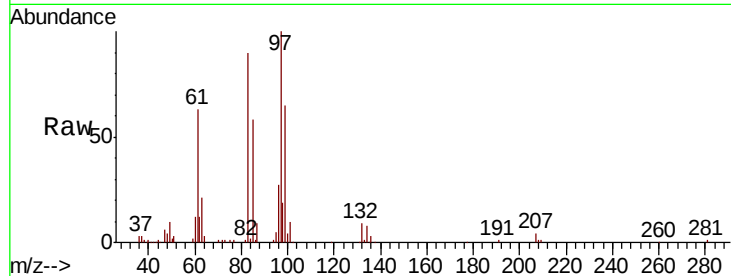
#55
 1,1,2-Trichloroethane
 Concen: 20.803 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion:	97	Resp:	107100
Ion	Ratio	Lower	Upper
97	100		
83	89.8	71.0	106.4
85	57.9	45.8	68.8
99	65.1	49.4	74.0

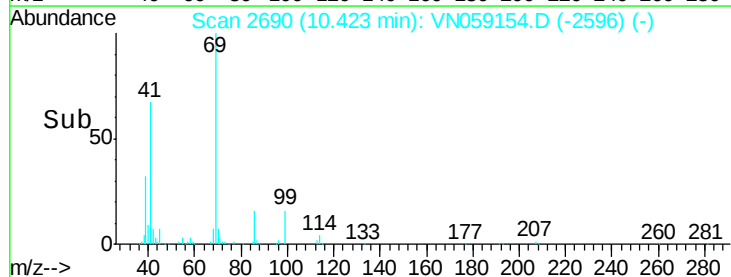
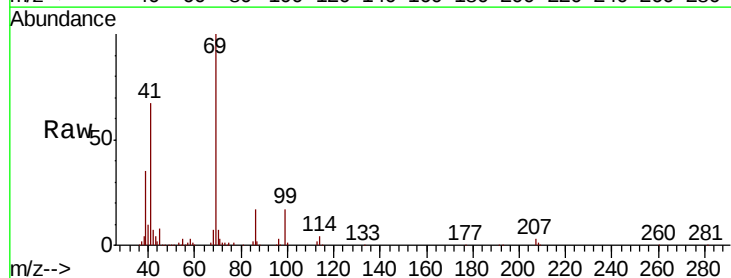
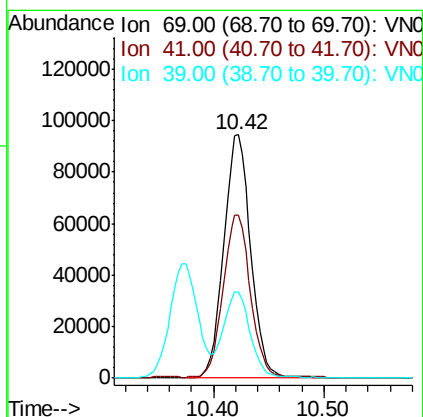
Manual Integrations
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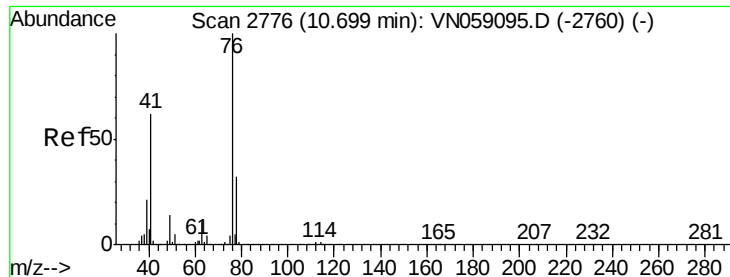
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 19.828 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion:	69	Resp:	160176
Ion	Ratio	Lower	Upper
69	100		
41	67.1	53.6	80.4
39	35.4	26.2	39.4





#57

1,3-Dichloropropane

Concen: 20.699 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 76 Resp: 183411

Ion Ratio Lower Upper

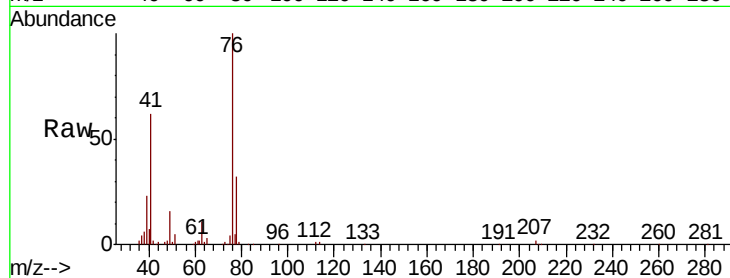
76 100

78 32.1 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN059154.D (-2683) (-)

Ion 77.90 (77.60 to 78.60): VN059154.D (-2683) (-)

10.70

120000

100000

80000

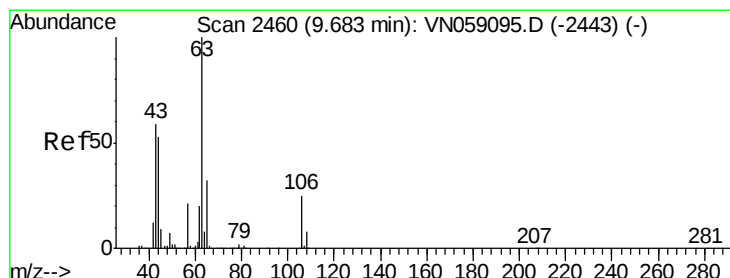
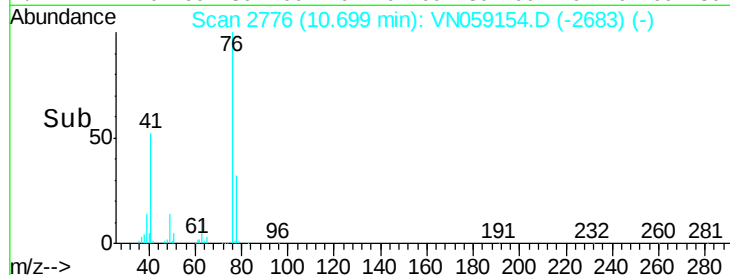
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 106.273 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059154.D

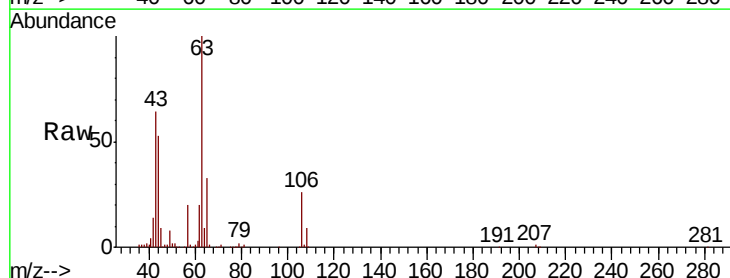
Acq: 11 Nov 2019 12:41

Tgt Ion: 63 Resp: 304493

Ion Ratio Lower Upper

63 100

106 25.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059154.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN059154.D (-2367) (-)

9.68

200000

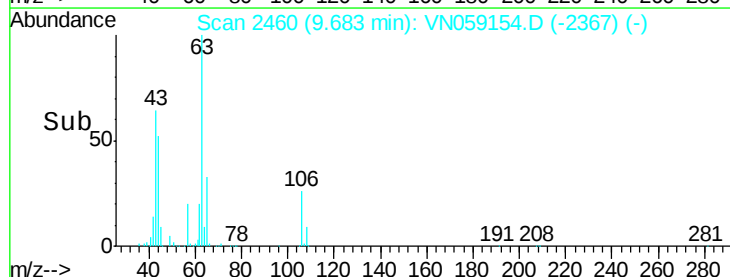
150000

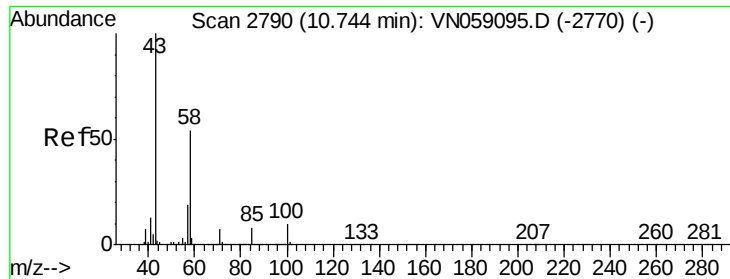
100000

50000

0

Time--> 9.60 9.65 9.70 9.75





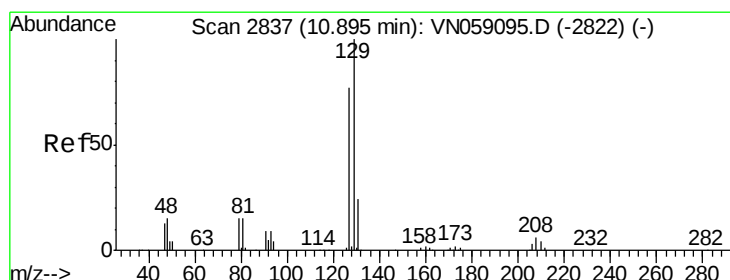
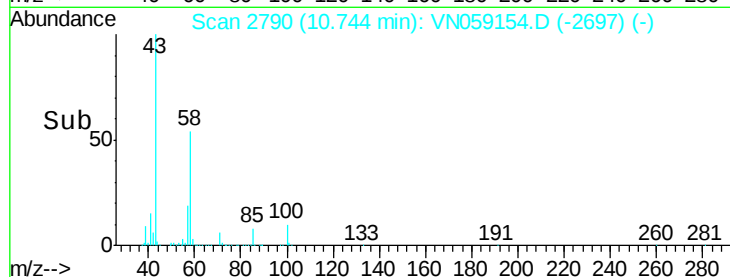
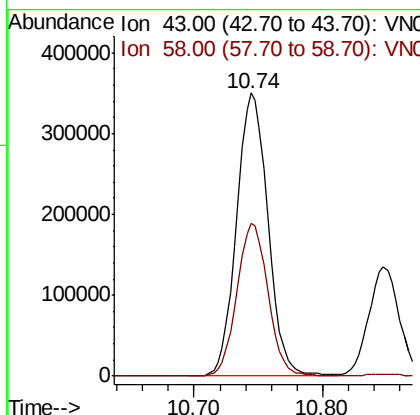
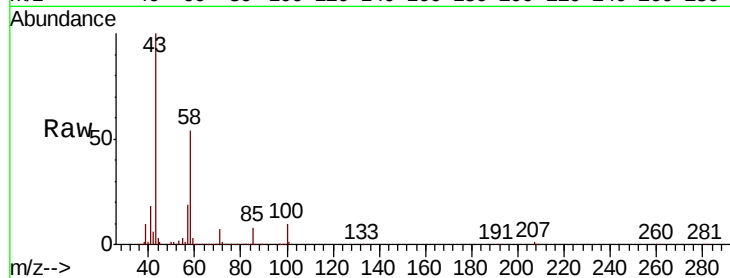
#59
2-Hexanone
Concen: 109.055 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.6	27.3	81.8

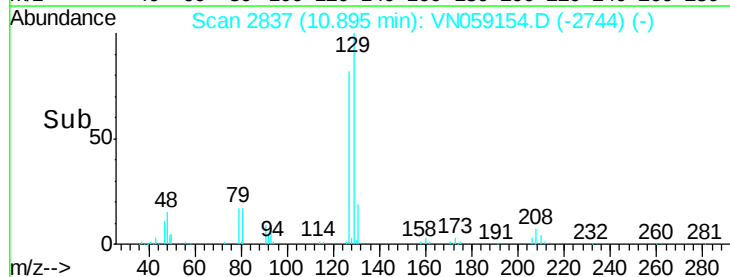
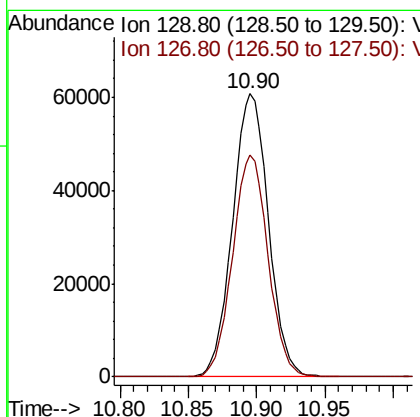
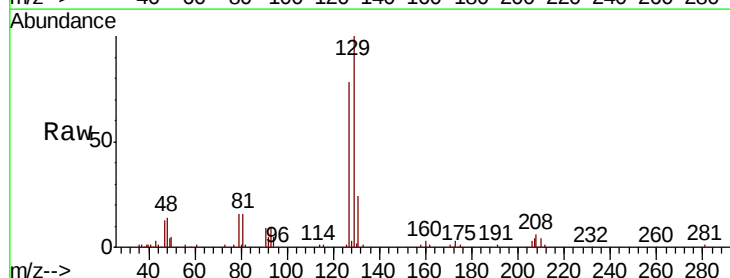
Manual Integrations
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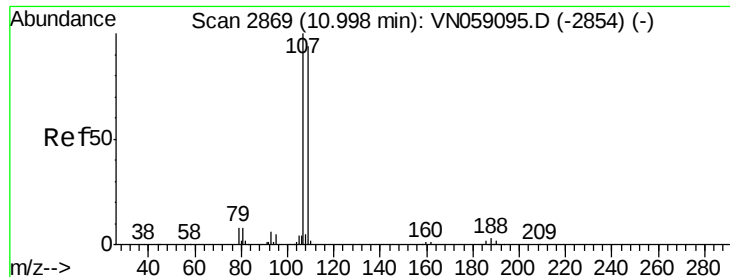
MMDadoda
11/12/2019 11:20:09 AM



#60
Dibromochloromethane
Concen: 20.396 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.652 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 107 Resp: 107635

Ion Ratio Lower Upper

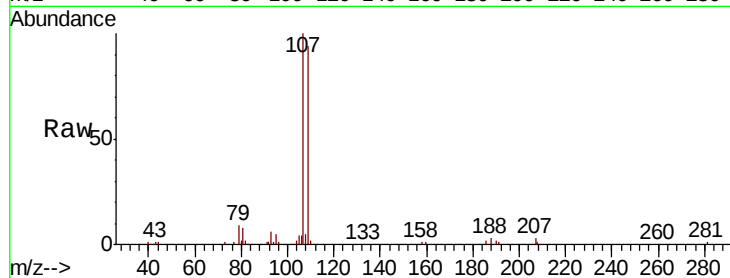
107 100

109 93.0 75.5 113.3

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

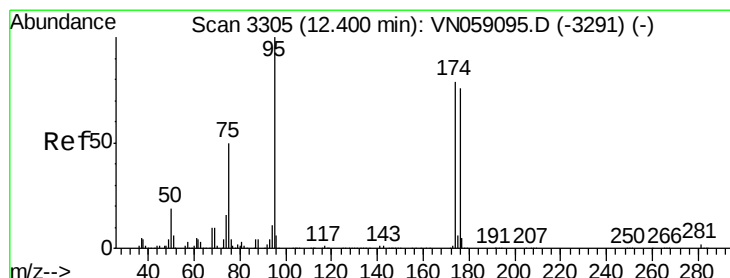
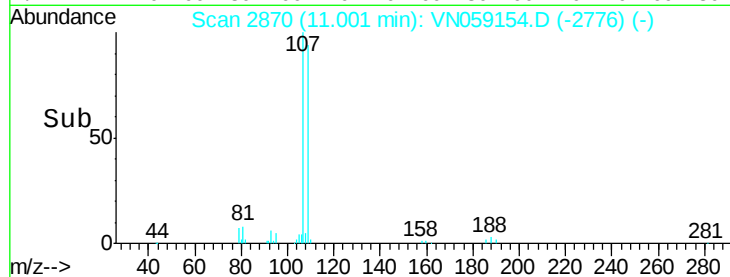
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.858 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

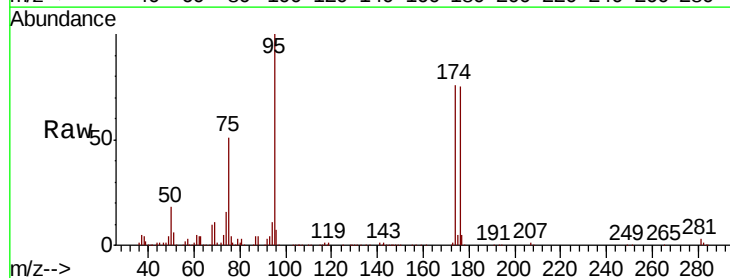
Tgt Ion: 95 Resp: 318808

Ion Ratio Lower Upper

95 100

174 77.3 0.0 158.2

176 75.5 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

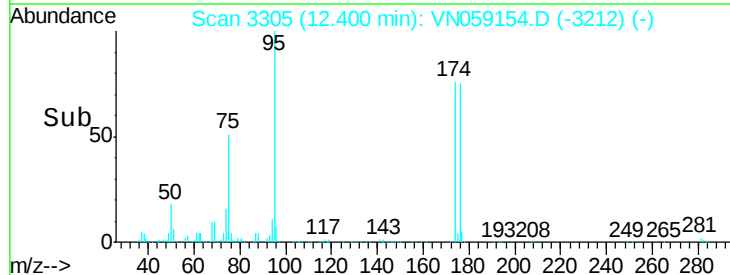
150000

100000

50000

0

Time--> 12.35 12.40 12.45 12.50





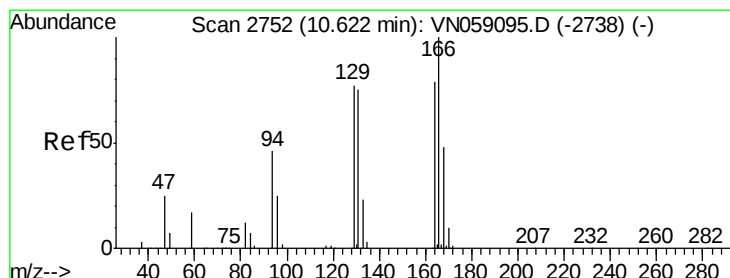
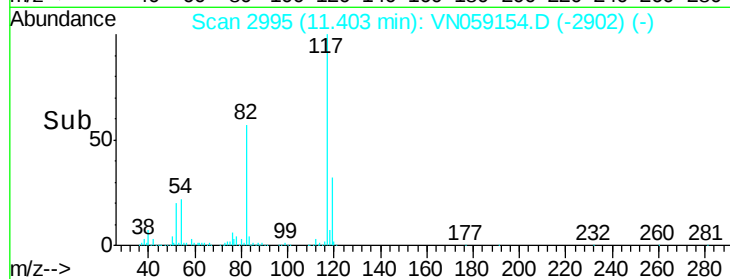
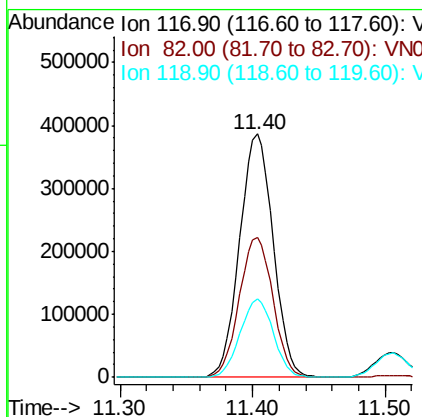
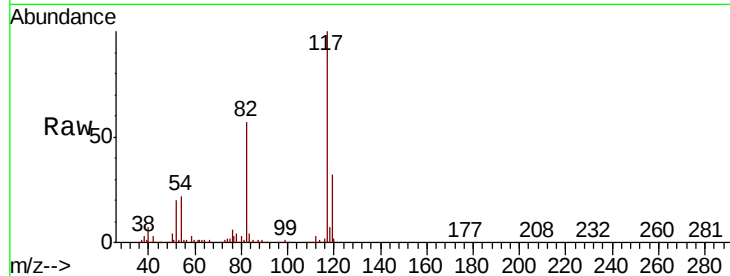
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.8
119	32.0	25.8	38.6

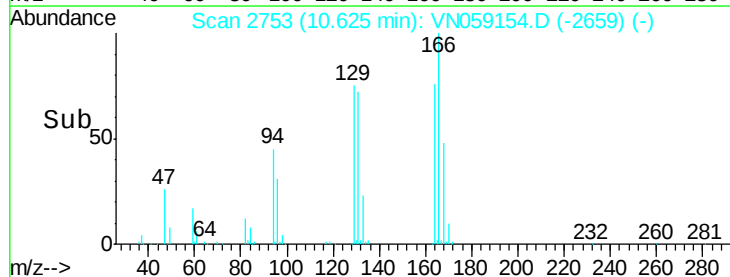
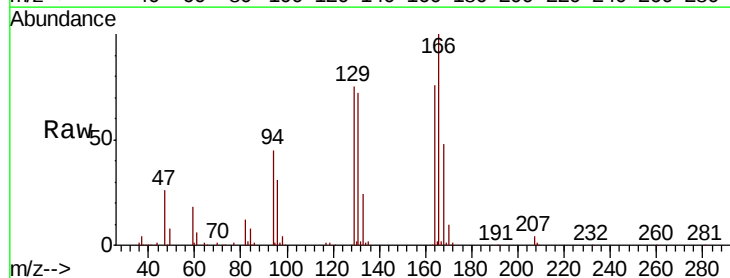
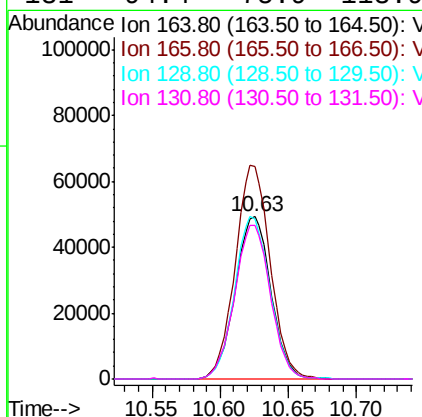
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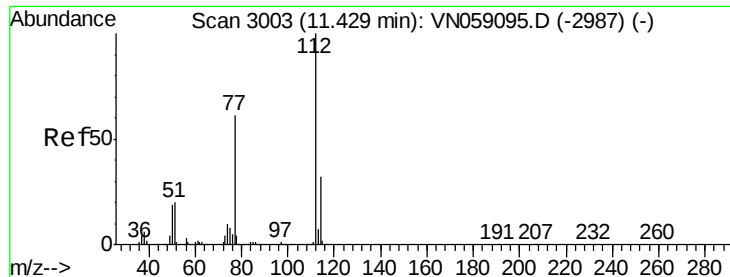
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#64
Tetrachloroethene
Concen: 19.345 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	101.5	152.3
129	98.5	78.3	117.5
131	94.4	75.9	113.9





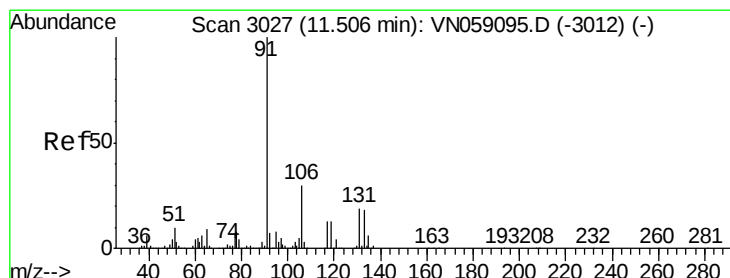
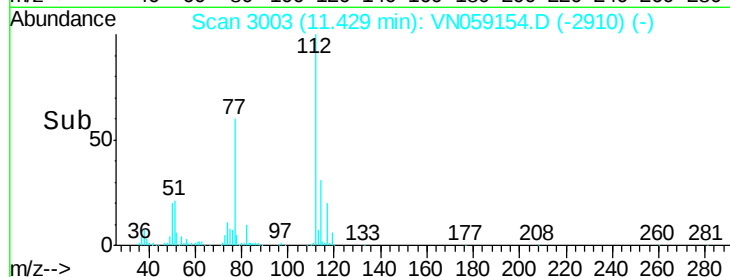
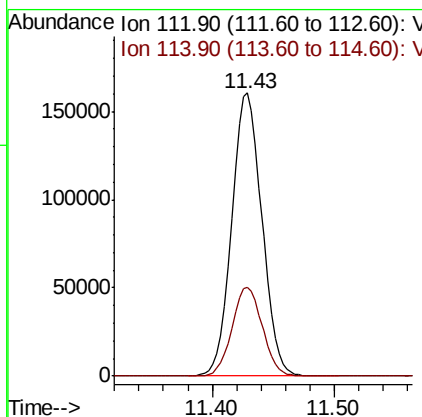
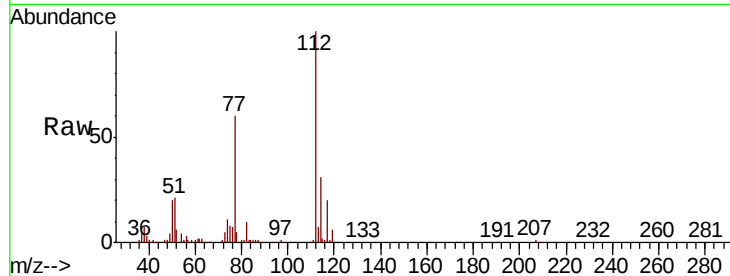
#65
Chlorobenzene
Concen: 20.788 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.2	37.8

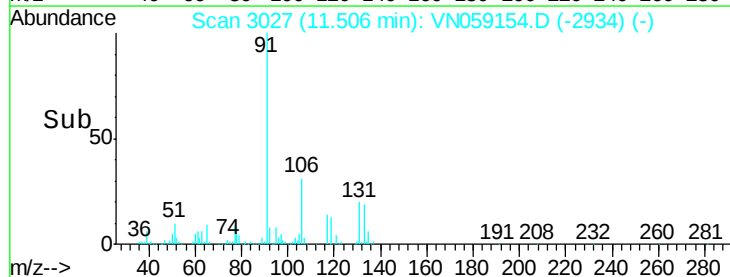
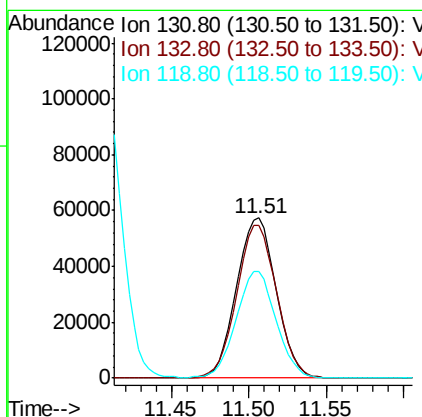
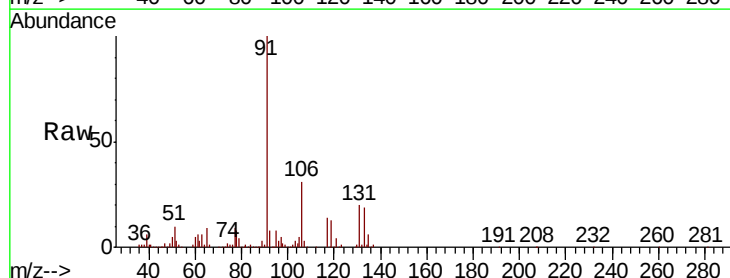
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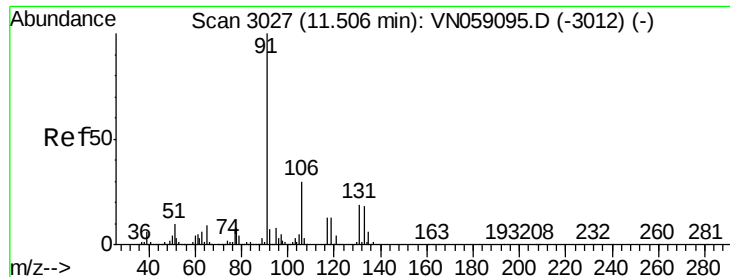
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.580 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.4	142.3
119	66.8	33.2	99.6





#67

Ethyl Benzene

Concen: 20.849 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 91 Resp: 490706

Ion Ratio Lower Upper

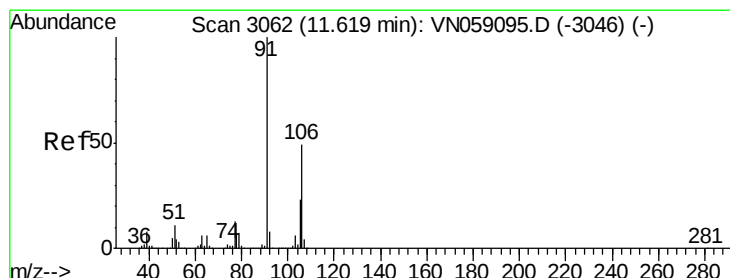
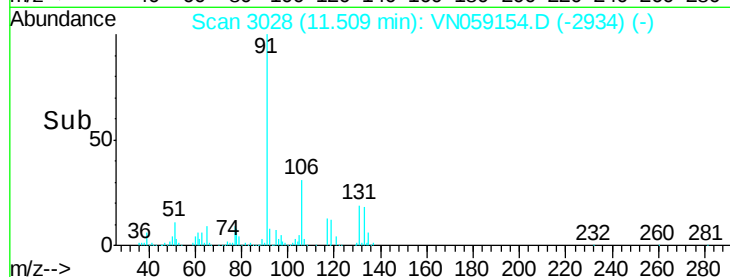
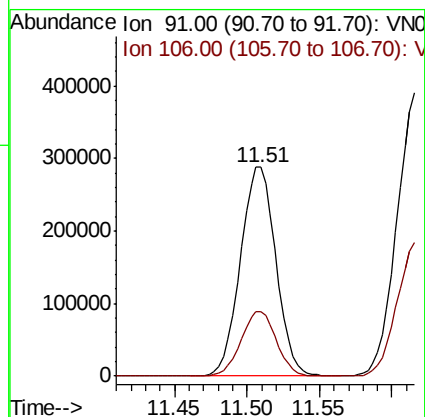
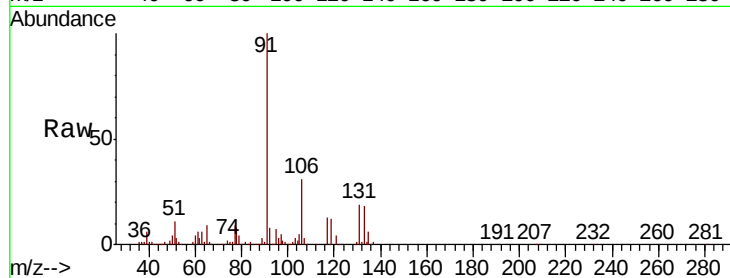
91 100

106 31.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 40.865 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059154.D

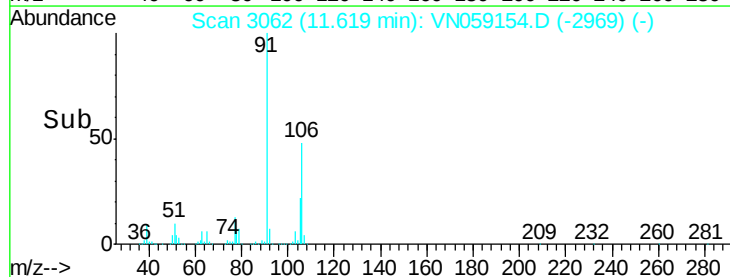
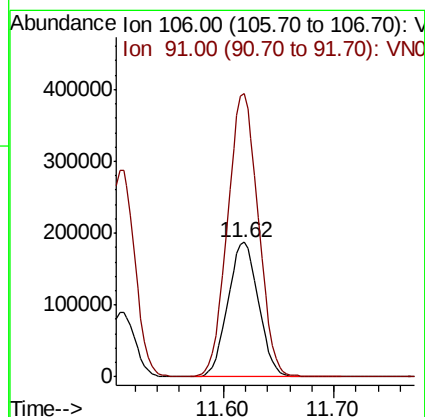
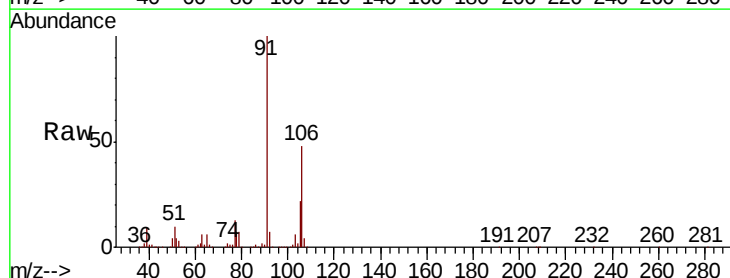
Acq: 11 Nov 2019 12:41

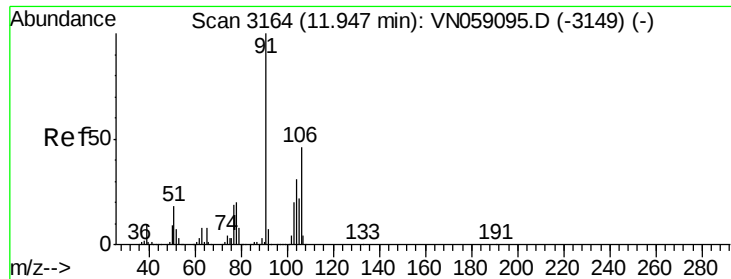
Tgt Ion: 106 Resp: 360277

Ion Ratio Lower Upper

106 100

91 210.9 164.7 247.1





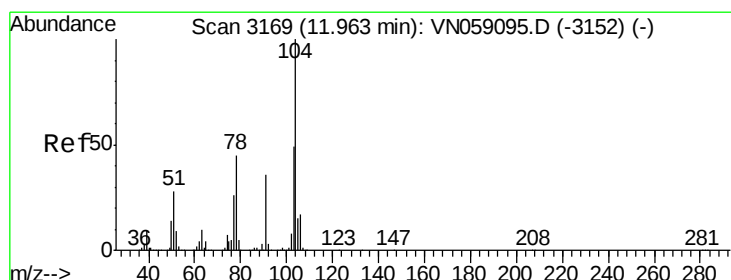
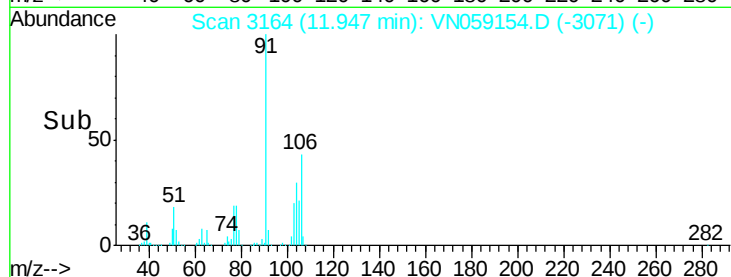
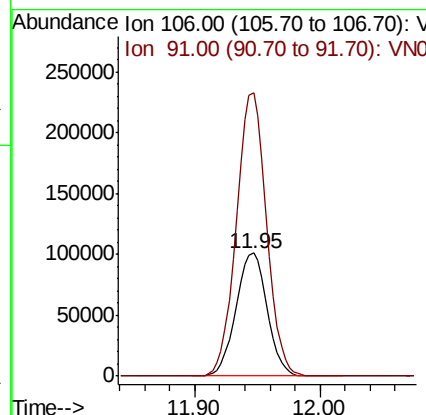
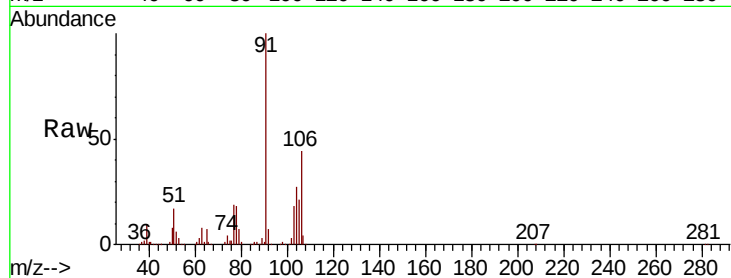
#69
o-Xylene
Concen: 20.456 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	222.7	110.1	330.3

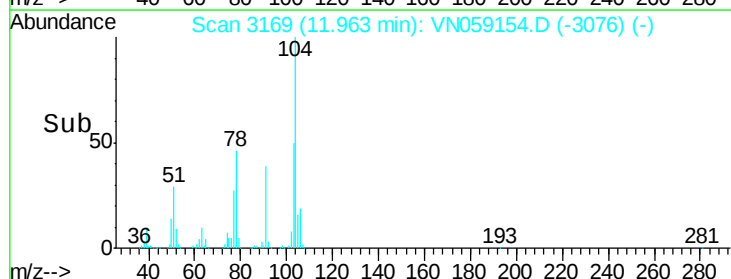
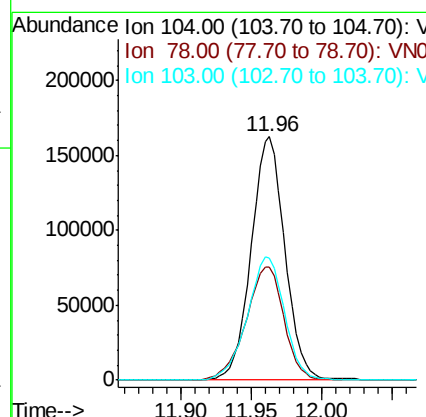
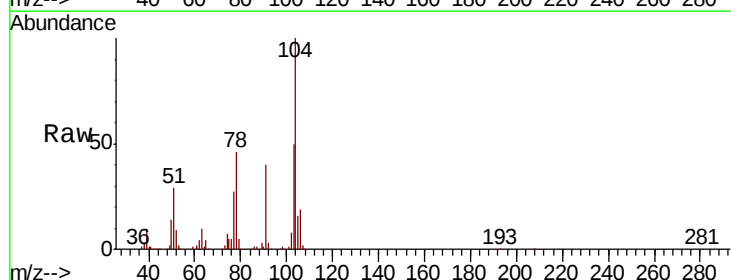
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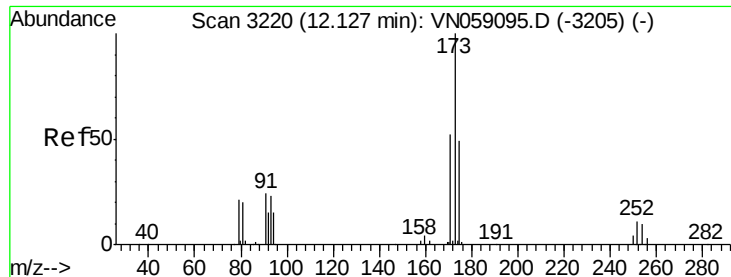
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#70
Styrene
Concen: 20.313 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	52.5	41.2	61.8
103	103	55.9	43.8	65.6





#71

Bromoform

Concen: 20.297 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

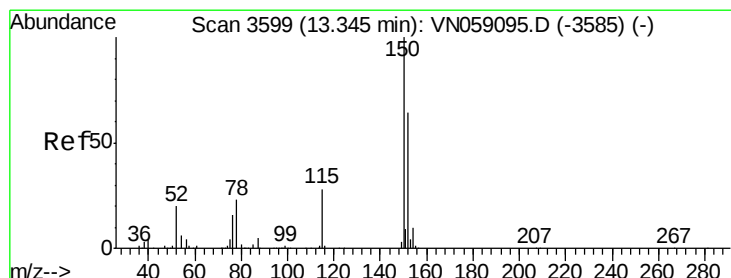
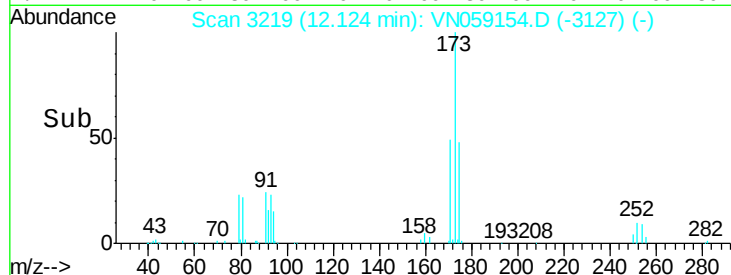
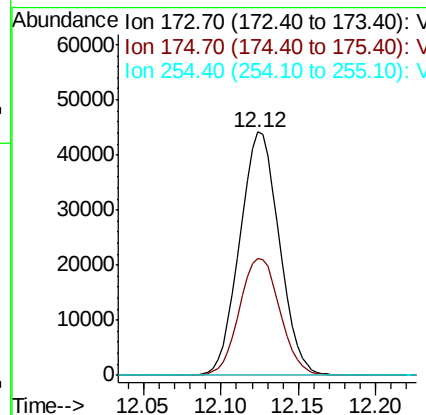
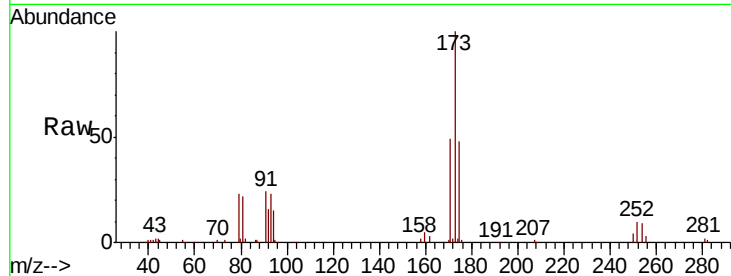
ClientSampleId :

VN1111WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

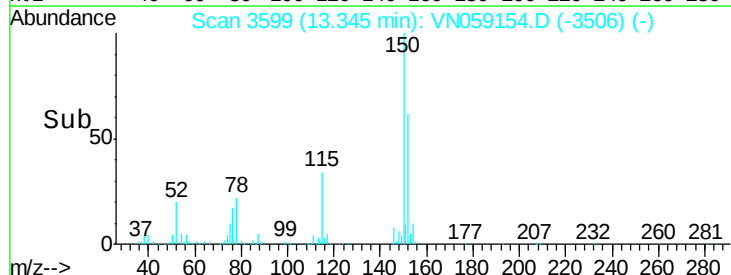
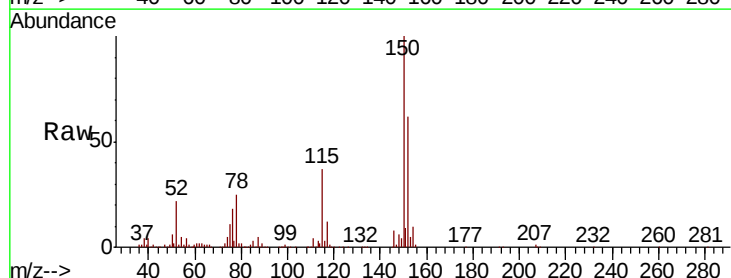
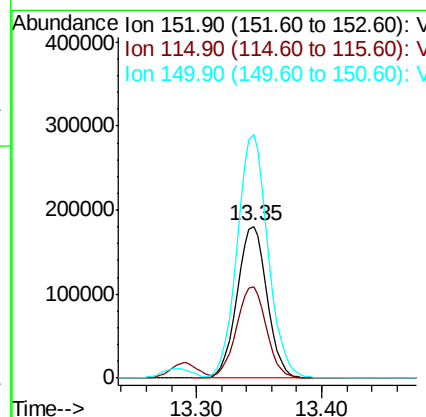
RT: 13.35 min Scan# 3599

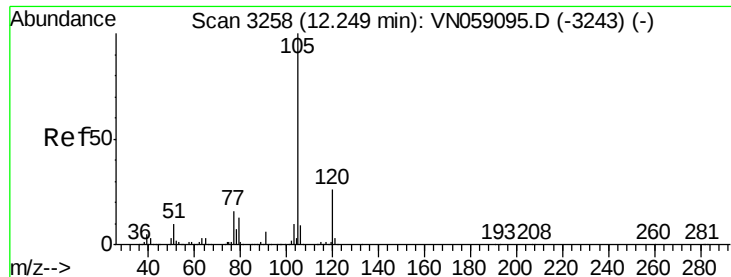
Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.9	29.4	88.2
150	165.4	0.0	345.8





#73

Isopropylbenzene

Concen: 21.784 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 105 Resp: 472735

Ion Ratio Lower Upper

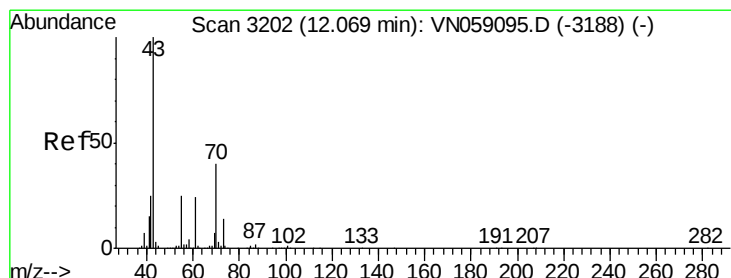
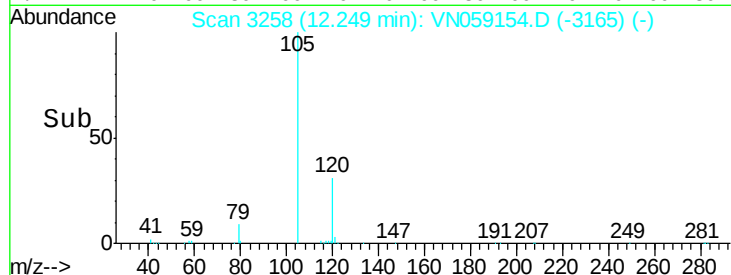
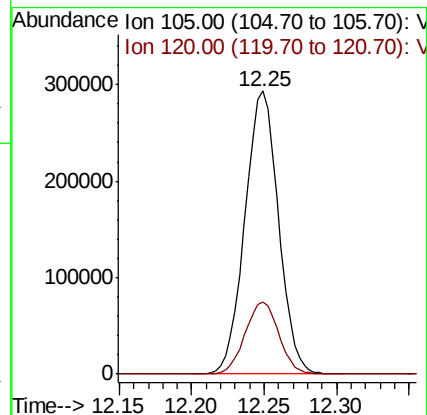
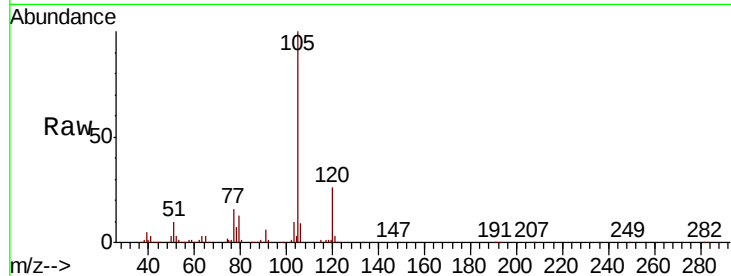
105 100

120 25.6 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.344 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion: 43 Resp: 196271

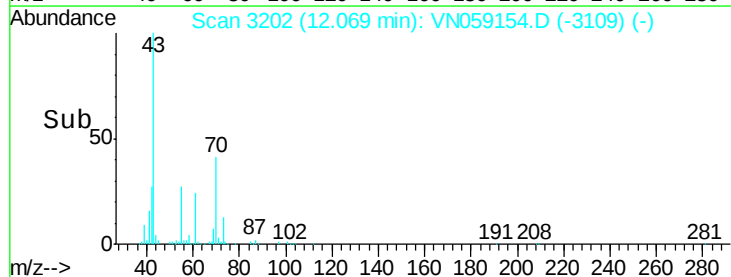
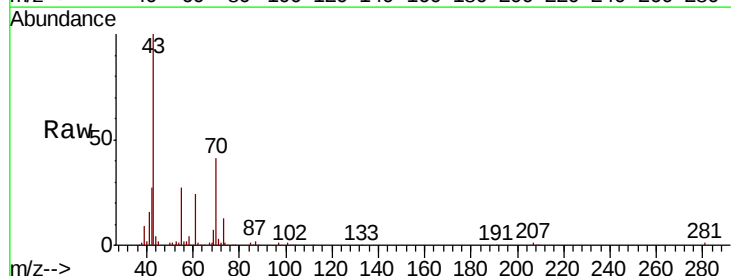
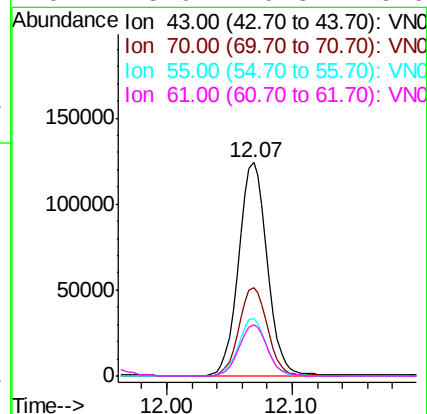
Ion Ratio Lower Upper

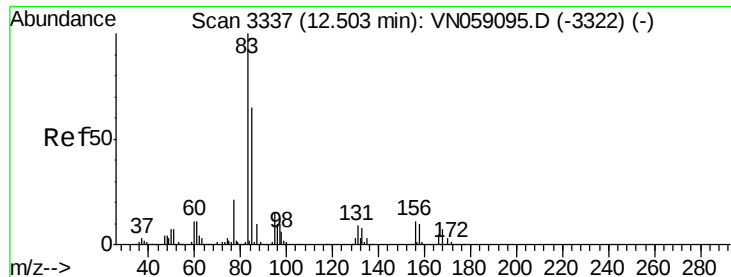
43 100

70 41.5 32.2 48.4

55 26.4 20.4 30.6

61 23.9 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.158 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

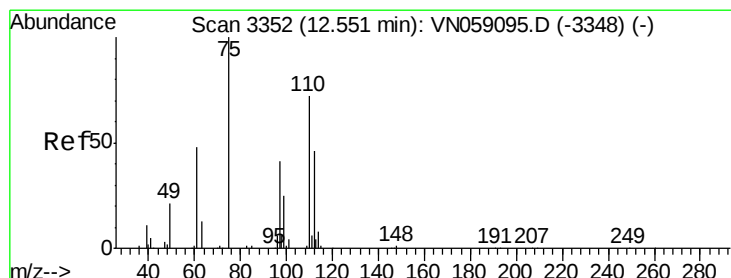
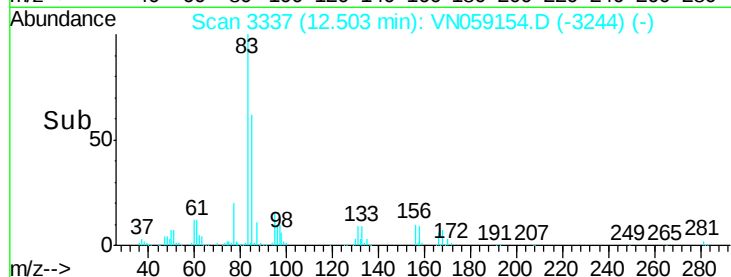
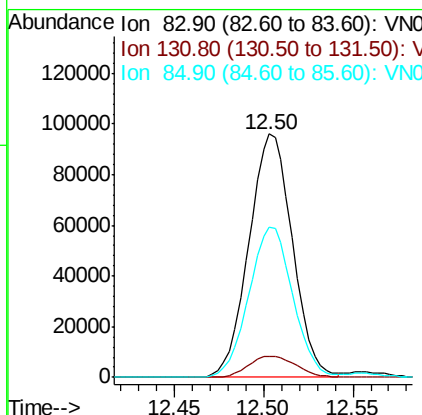
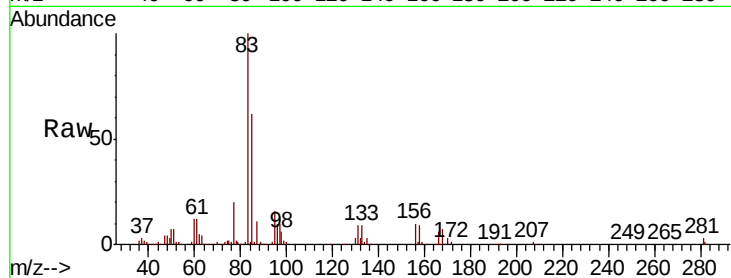
ClientSampleId :

VN1111WBS01

Tot Ion:	83	Resp:	163752
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	62.3	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 22.793 ug/l m

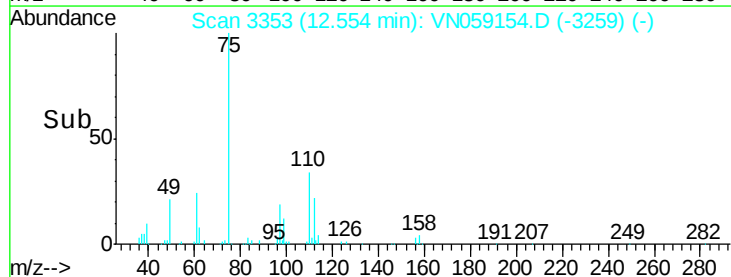
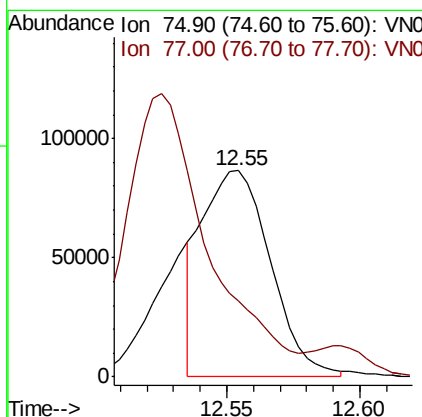
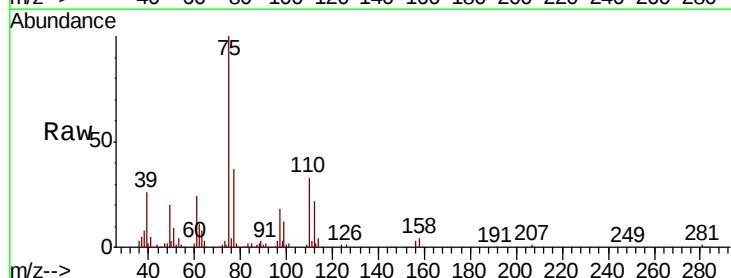
RT: 12.55 min Scan# 3353

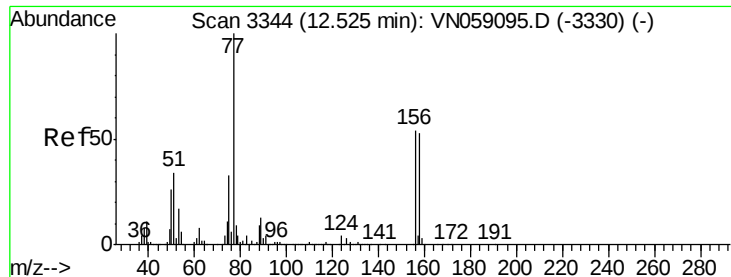
Delta R.T. 0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion:	75	Resp:	154815
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





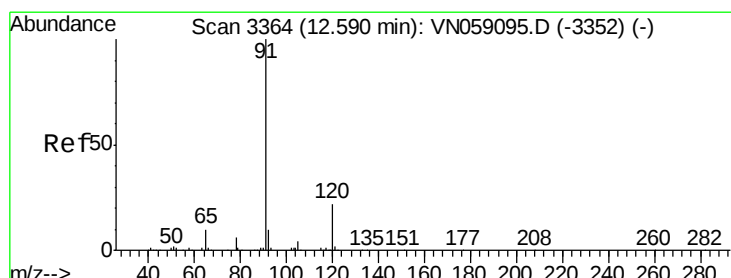
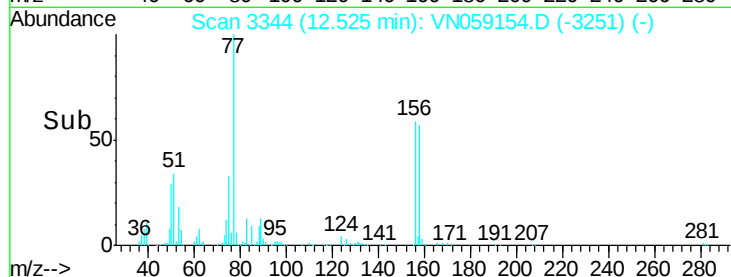
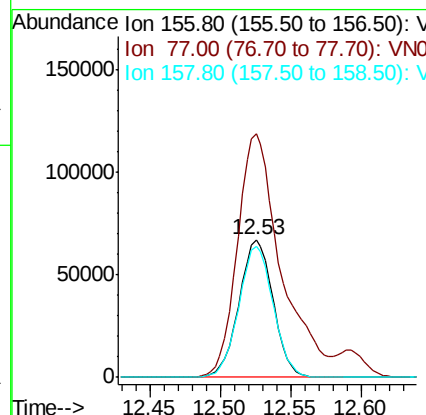
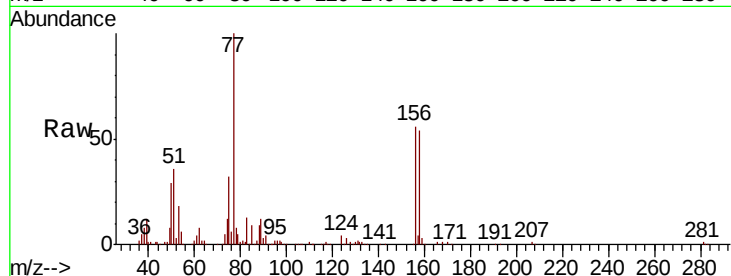
#77
Bromobenzene
Concen: 20.800 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.9	112.8	338.3
158	96.7	48.4	145.3

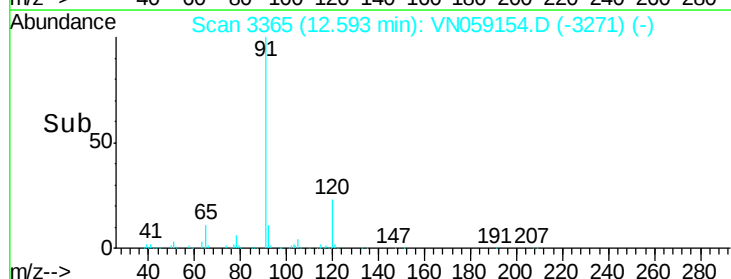
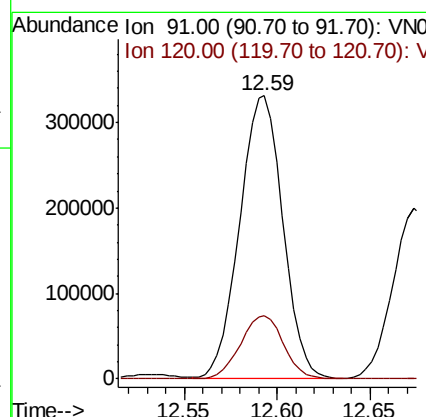
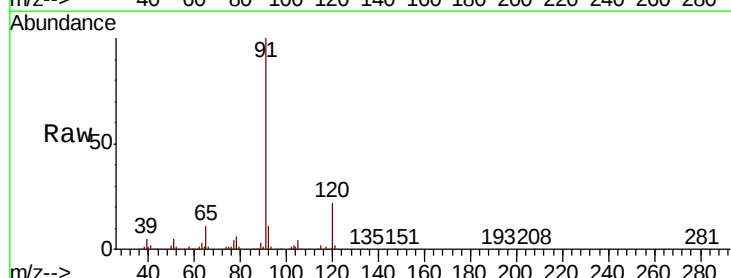
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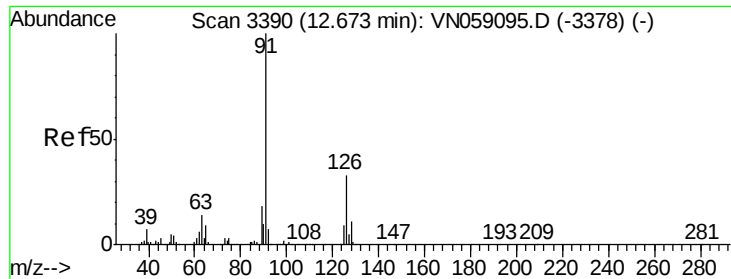
MMDadoda
11/12/2019 11:20:09 AM



#78
n-propylbenzene
Concen: 21.616 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.2	33.5





#79

2-Chlorotoluene

Concen: 21.442 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

VN1111WBS01

Tot Ion: 91 Resp: 330516

Ion Ratio Lower Upper

91 100

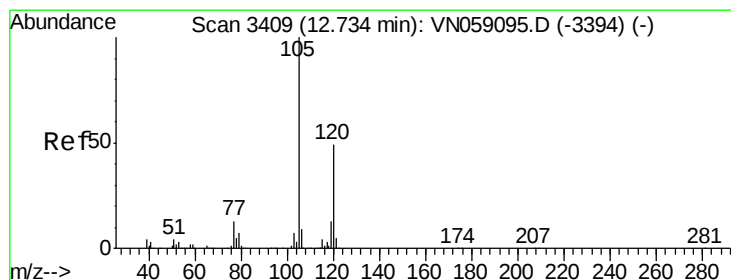
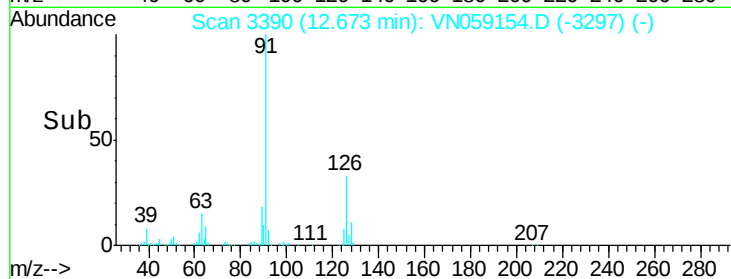
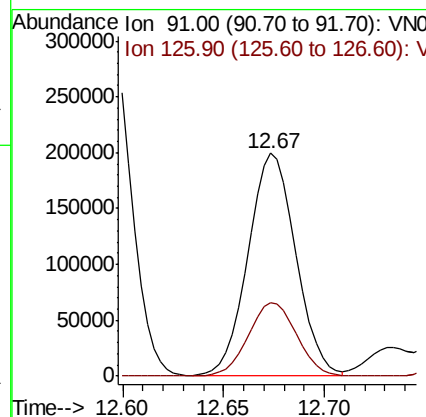
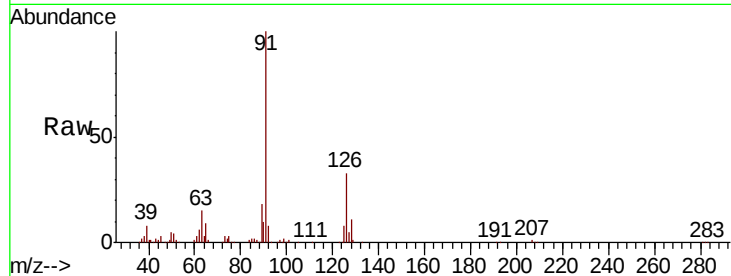
126 33.4 16.7 50.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.425 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059154.D

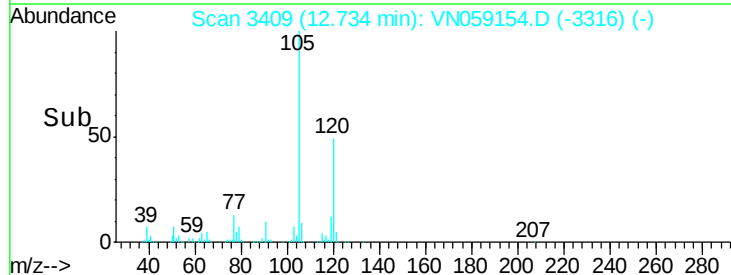
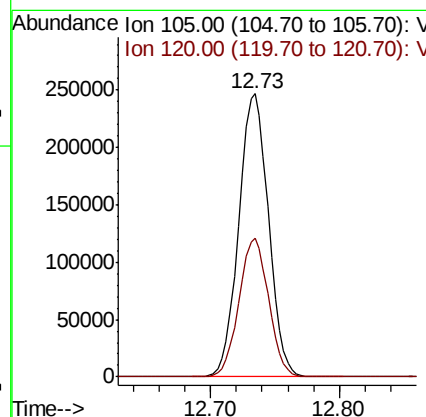
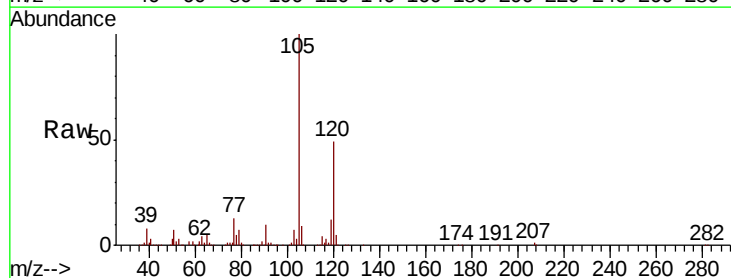
Acq: 11 Nov 2019 12:41

Tgt Ion: 105 Resp: 393969

Ion Ratio Lower Upper

105 100

120 48.9 24.0 72.0





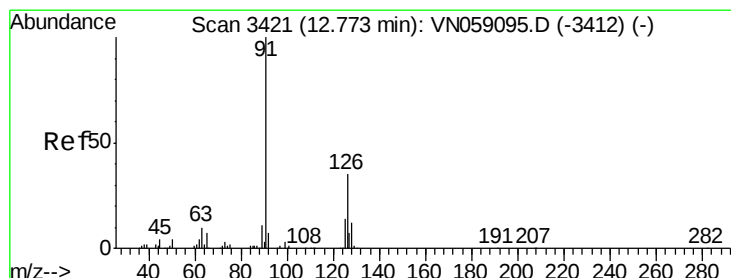
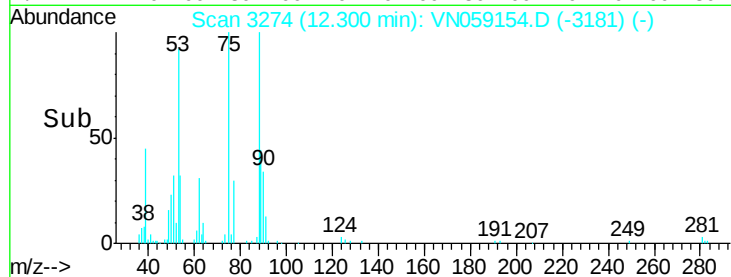
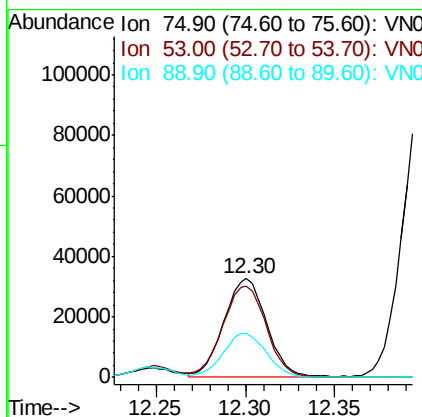
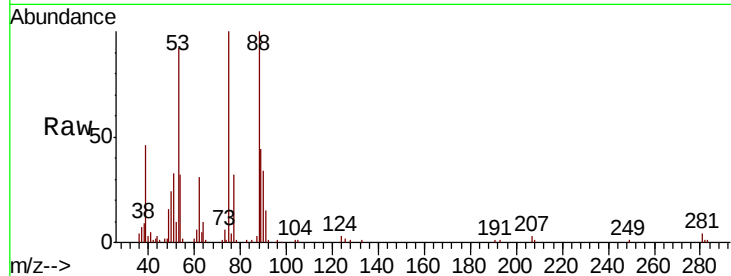
#81
trans-1,4-Dichloro-2-butene
Concen: 20.724 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	72.2	108.2
89	46.3	35.8	53.8

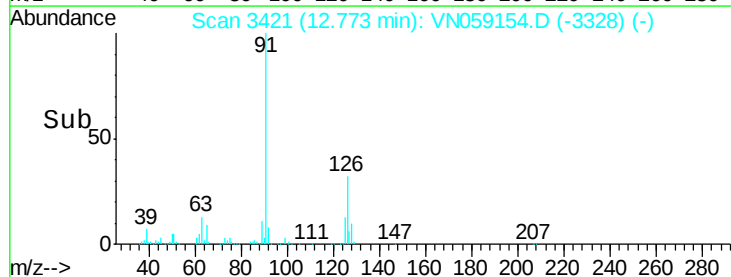
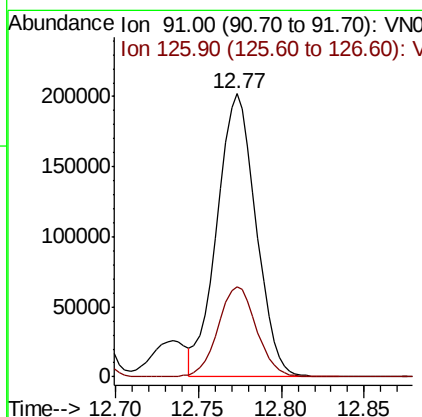
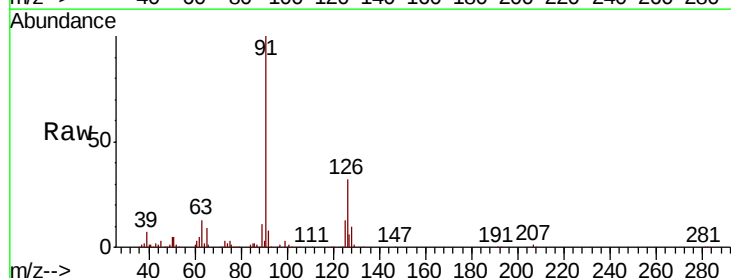
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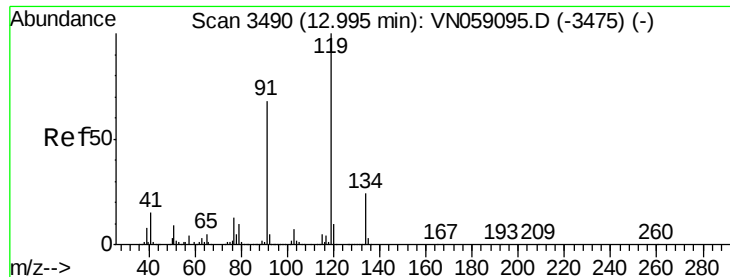
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#82
4-Chlorotoluene
Concen: 21.296 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.1	48.2





#83

tert-Butylbenzene

Concen: 21.594 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Instrument :

MSVOA_N

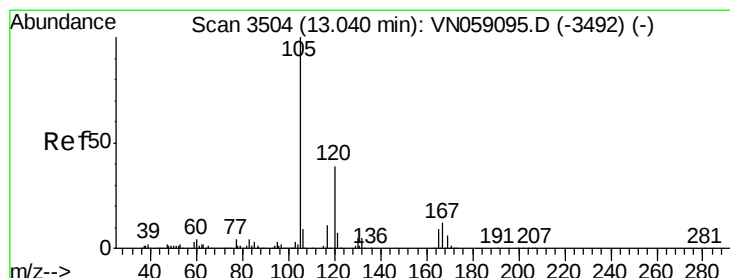
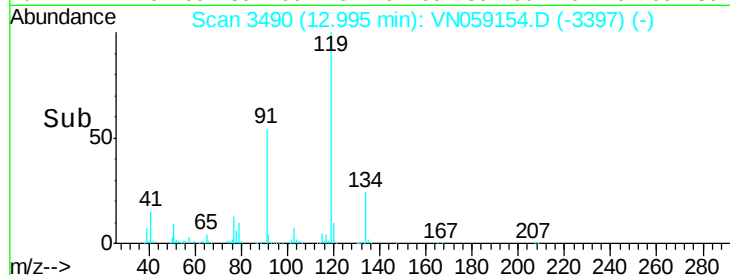
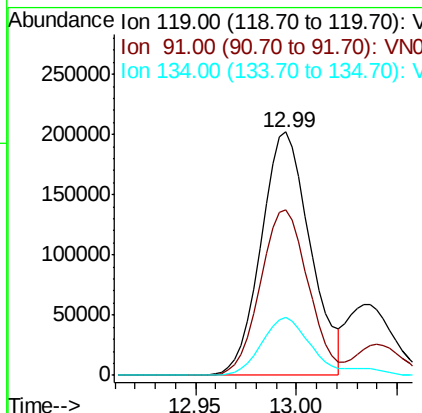
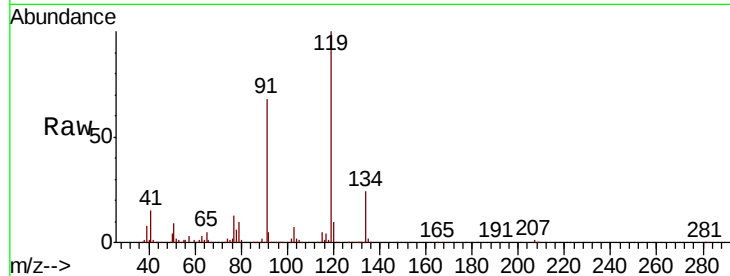
ClientSampleId :

VN1111WBS01

Tot Ion:	119	Resp:	342916
Ion Ratio	Lower	Upper	
119	100		
91	66.5	33.2	99.6
134	25.3	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 21.656 ug/l

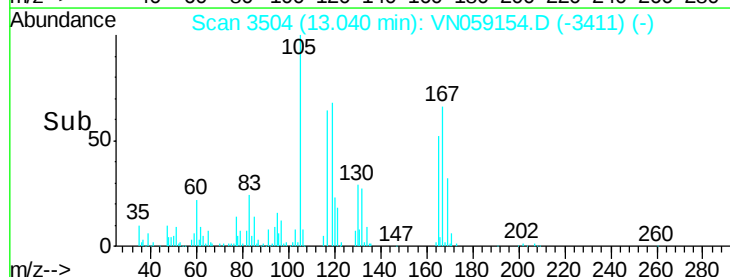
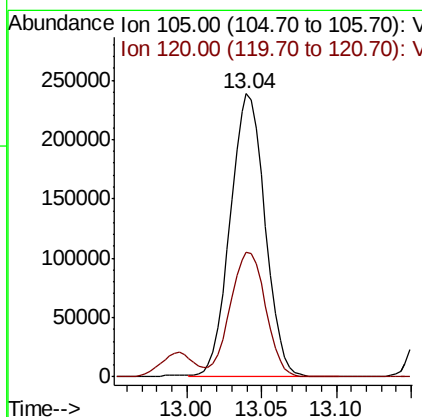
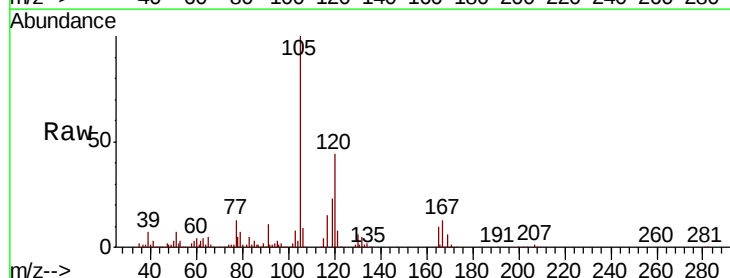
RT: 13.04 min Scan# 3504

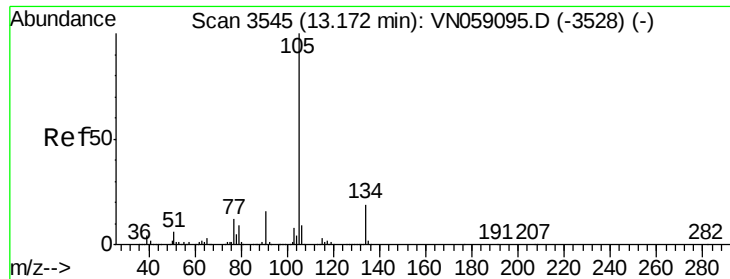
Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion:	105	Resp:	385271
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.8	68.4





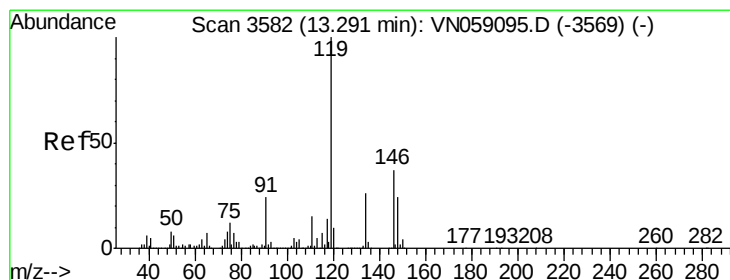
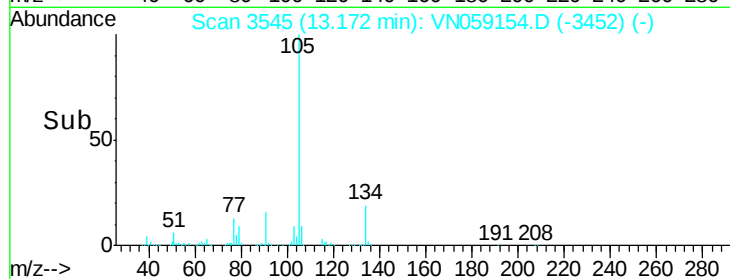
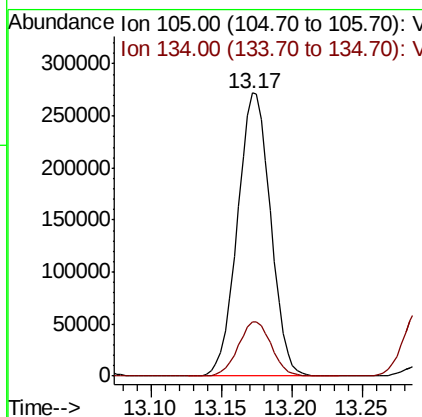
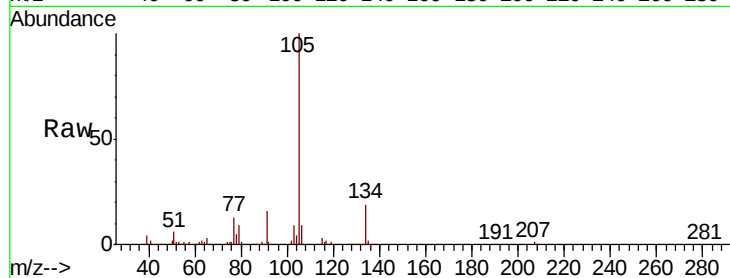
#85
 sec-Butylbenzene
 Concen: 21.594 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.7	29.1

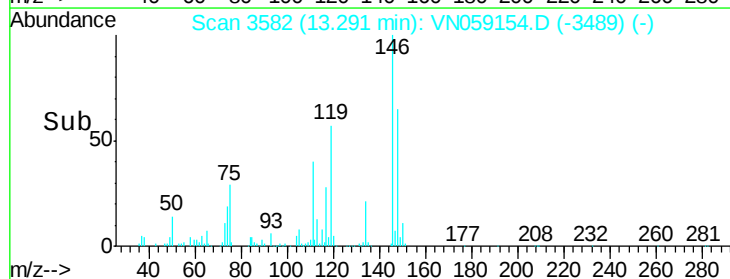
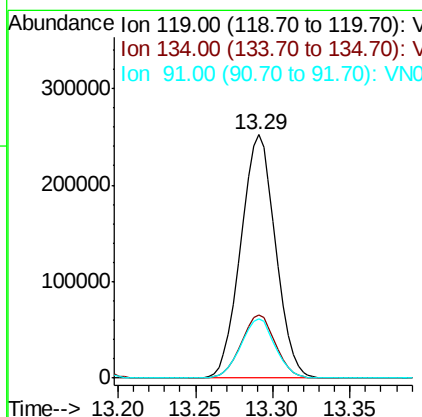
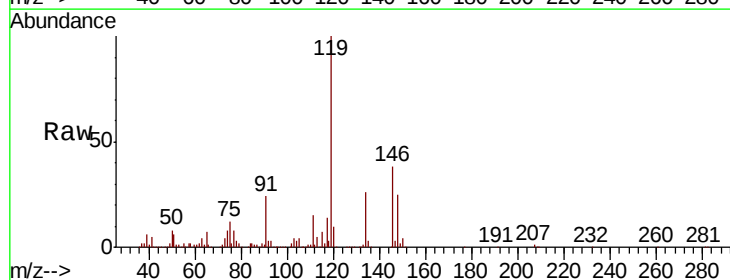
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#86
 p-Isopropyltoluene
 Concen: 21.485 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	38.9
91	24.1	11.7	35.1





#87

1,3-Dichlorobenzene

Concen: 20.657 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059154.D

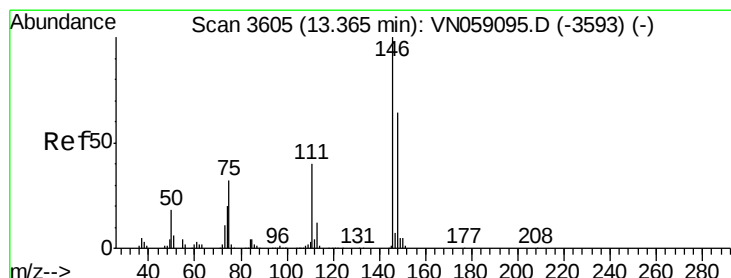
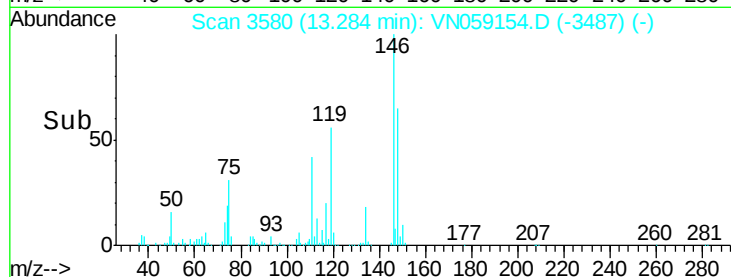
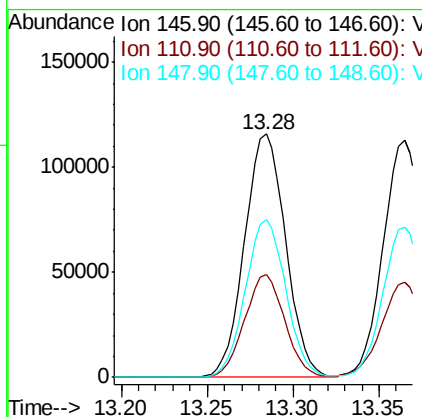
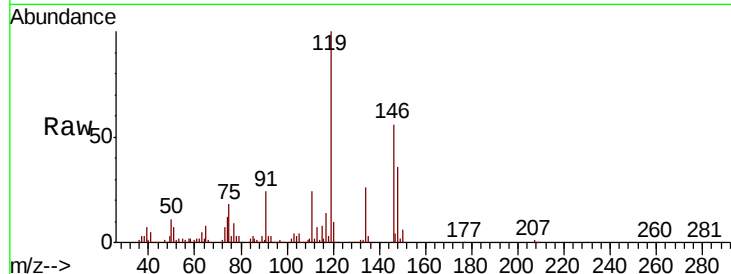
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192864		
111	41.3	20.4	61.3	
148	63.7	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.278 ug/l

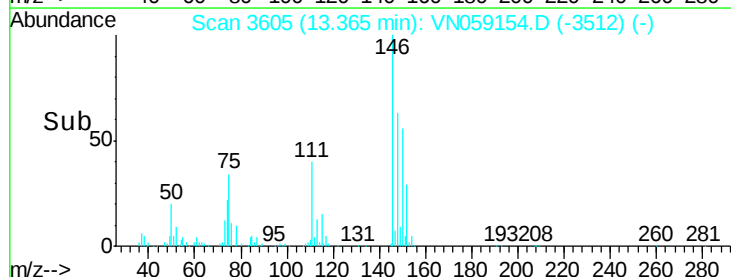
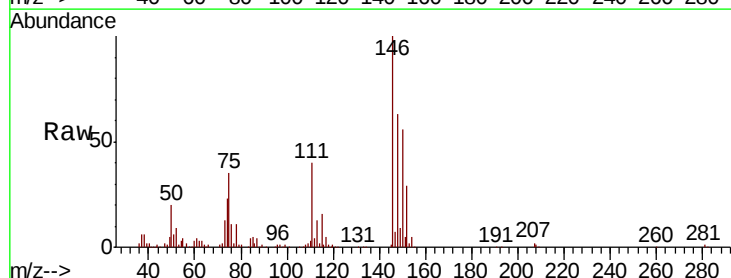
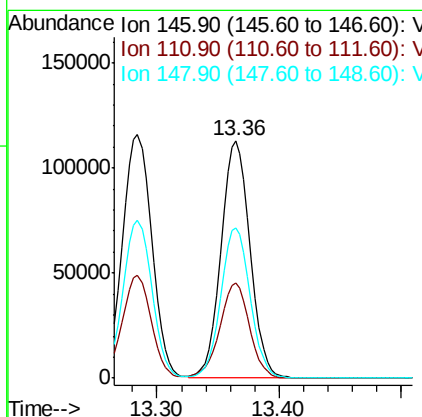
RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059154.D

Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189427		
111	41.3	20.3	60.9	
148	63.5	31.9	95.7	





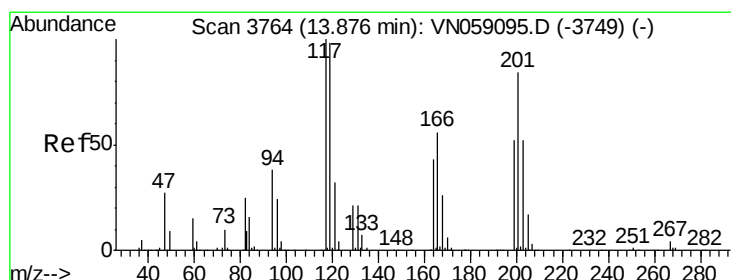
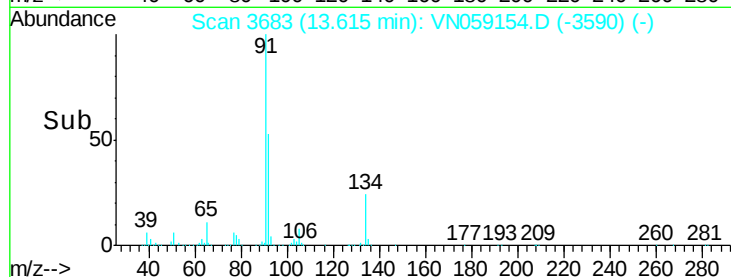
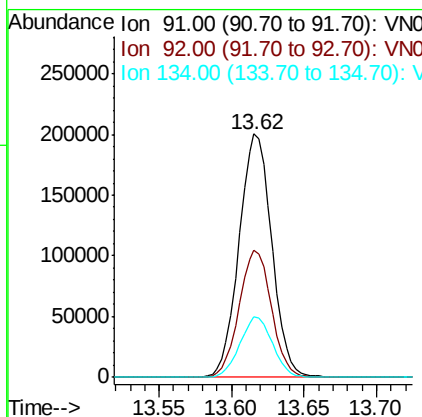
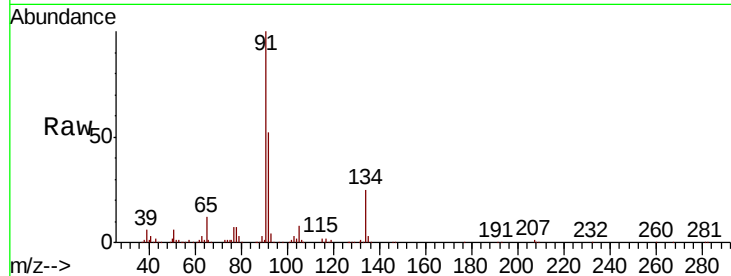
#89
n-Butylbenzene
Concen: 19.704 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.3
134	24.8	12.6	37.8

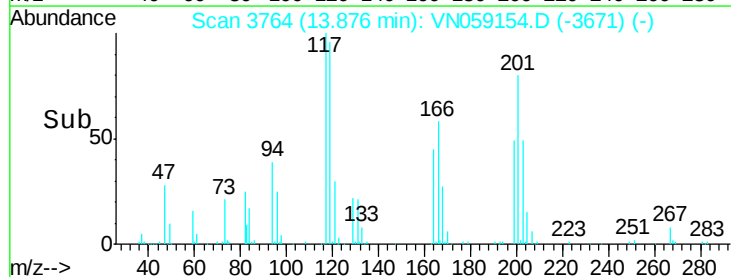
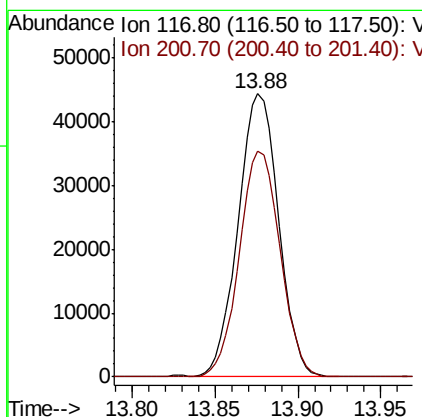
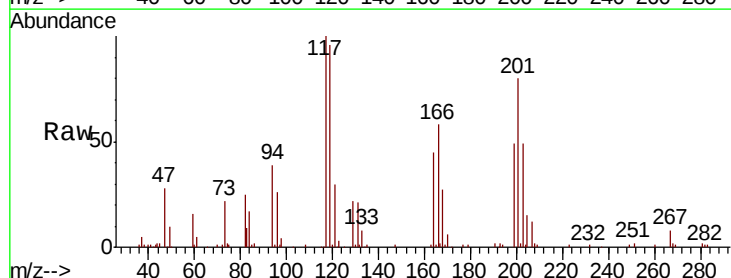
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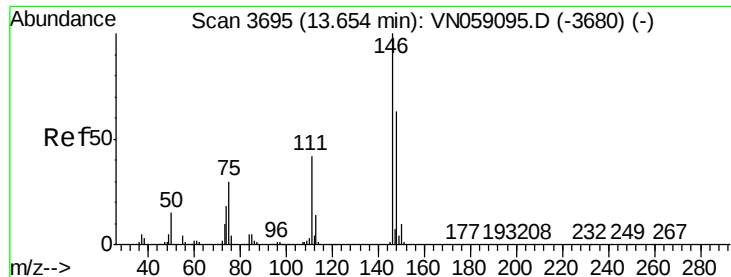
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#90
Hexachloroethane
Concen: 20.602 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	41.8	125.3





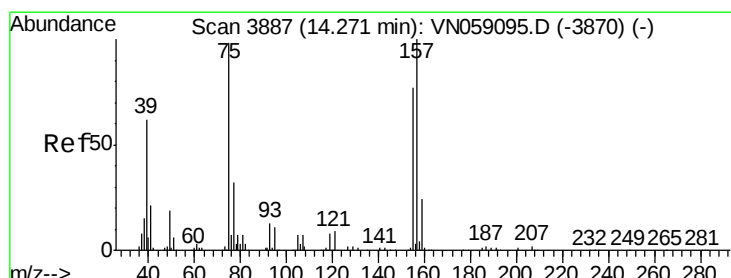
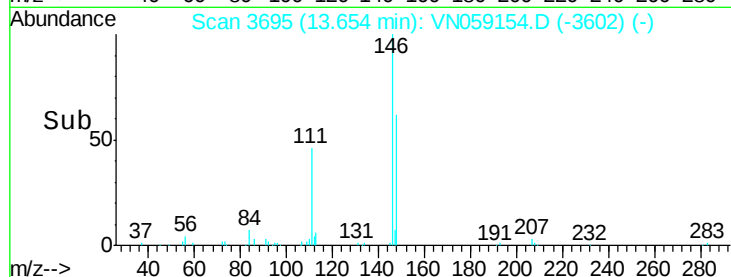
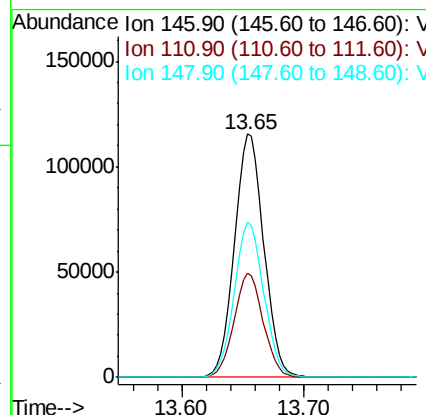
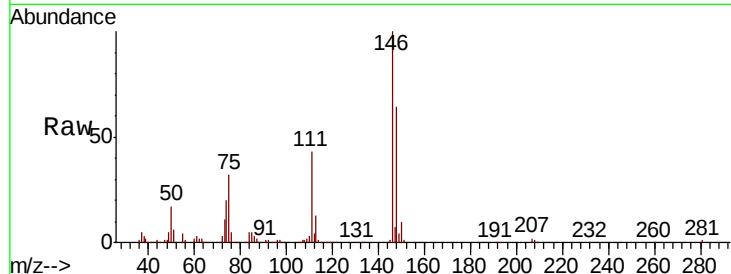
#91
 1,2-Dichlorobenzene
 Concen: 21.136 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	64.2	31.6	94.7

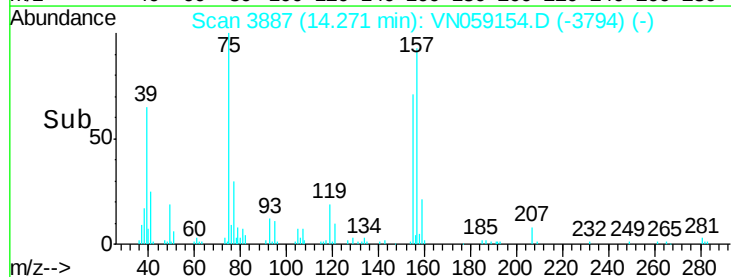
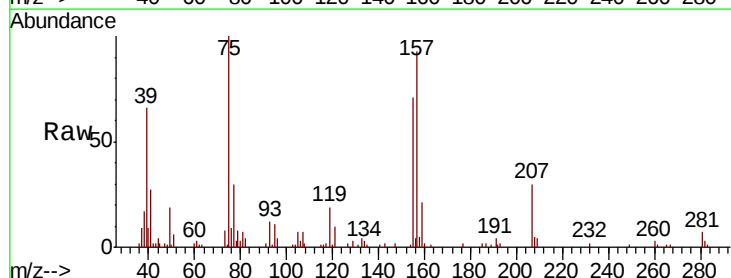
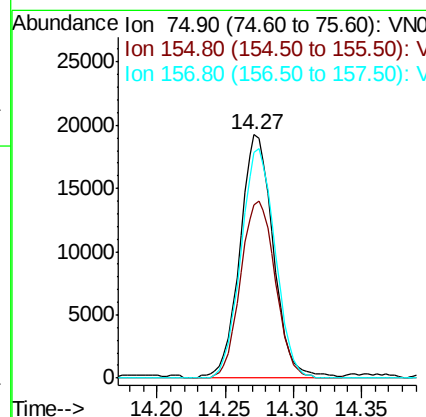
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.328 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	40.2	120.6
157	95.6	51.8	155.5





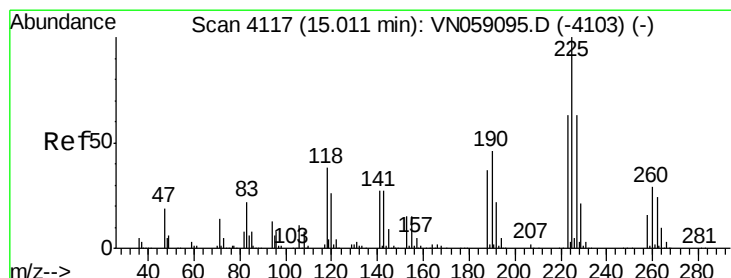
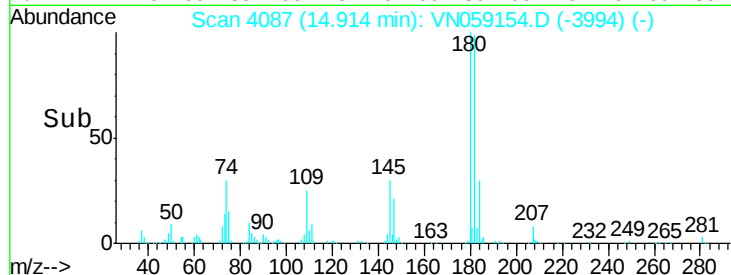
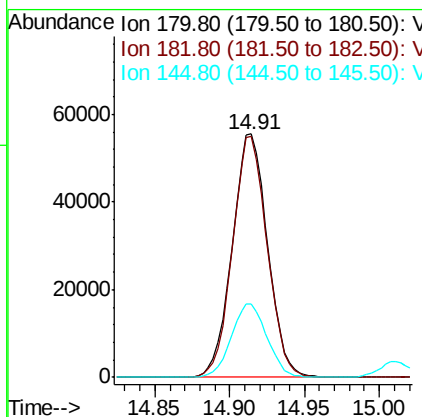
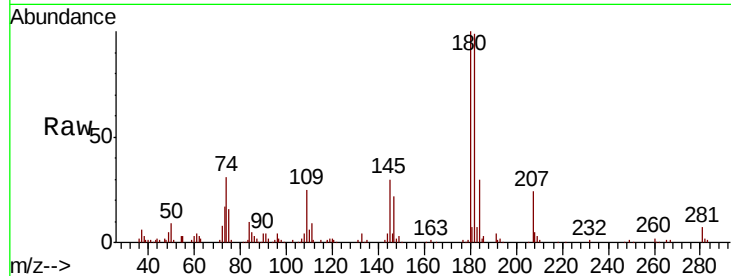
#93
 1,2,4-Trichlorobenzene
 Concen: 18.441 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	91349		
182	96.9	48.1	144.3	
145	30.3	15.1	45.3	

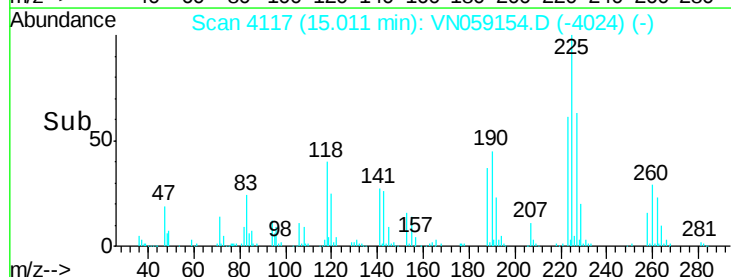
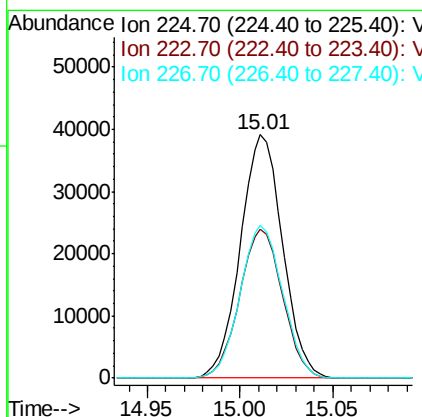
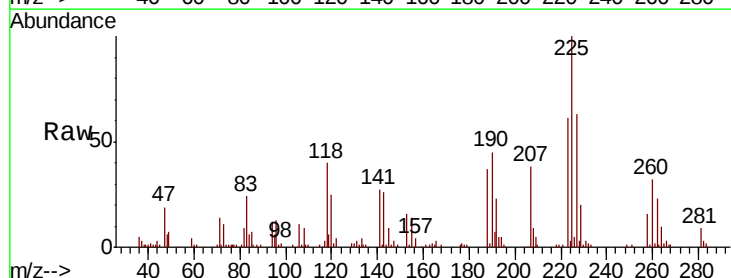
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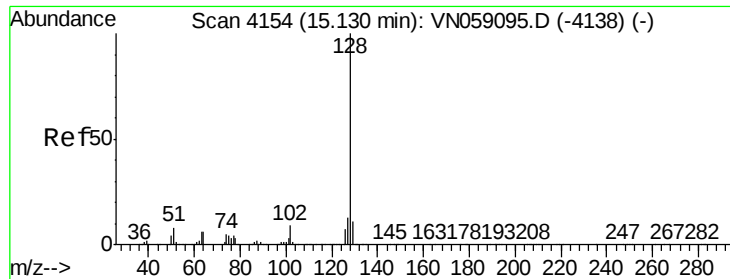
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#94
 Hexachlorobutadiene
 Concen: 19.508 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059154.D
 Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61777		
223	62.1	31.3	93.9	
227	63.4	31.5	94.5	





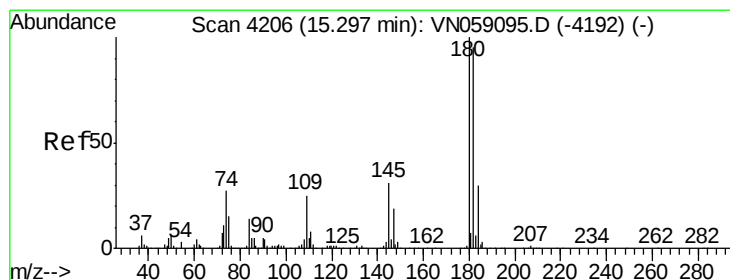
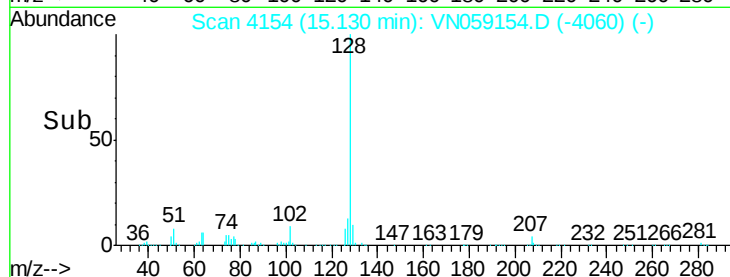
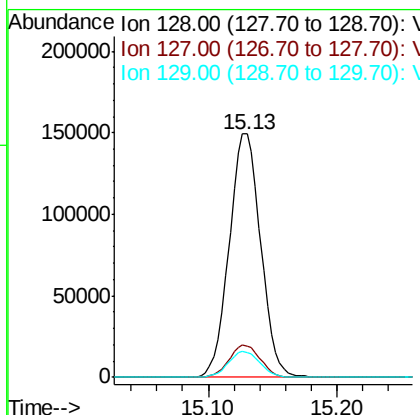
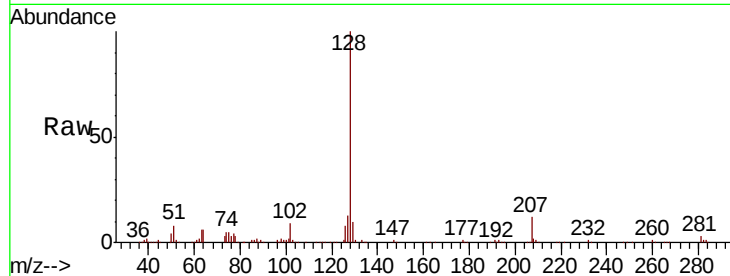
#95
Naphthalene
Concen: 18.406 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/12/2019 11:20:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.987 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059154.D
Acq: 11 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.3	141.8
145	32.0	15.8	47.3

