

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059134.D
 Acq On : 8 Nov 2019 10:31
 Operator : JC/SP
 Sample : VN1108MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1108MBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/11/2019 10:35:08 AM

Quant Time: Nov 11 01:18:02 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	479746	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	753327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	678496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	315402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	294602	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.56	113	227822	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.08	98	894924	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.40	95	320289	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	93090	19.259	ug/l 98
3) Chloromethane	2.04	50	122576	18.655	ug/l 100
4) Vinyl Chloride	2.17	62	122150	19.175	ug/l 98
5) Bromomethane	2.54	94	71159	19.411	ug/l 98
6) Chloroethane	2.68	64	72536	19.249	ug/l 100
7) Trichlorofluoromethane	3.00	101	148030	19.428	ug/l 99
8) Diethyl Ether	3.38	74	62394	20.153	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	91903	20.004	ug/l 100
10) Methyl Iodide	3.93	142	99045	17.417	ug/l 99
11) Tert butyl alcohol	4.75	59	99532	88.559	ug/l 100
12) 1,1-Dichloroethene	3.71	96	87067	19.455	ug/l 98
13) Acrolein	3.58	56	50136	86.522	ug/l 100
14) Allyl chloride	4.29	41	174465m	18.978	ug/l
15) Acrylonitrile	4.95	53	285337	102.015	ug/l 100
16) Acetone	3.79	43	315742	102.958	ug/l 99
17) Carbon Disulfide	4.02	76	258646	18.618	ug/l 99
18) Methyl Acetate	4.29	43	152800	20.991	ug/l 98
19) Methyl tert-butyl Ether	5.01	73	316226	20.524	ug/l 99
20) Methylene Chloride	4.52	84	106784	19.987	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	94528	19.678	ug/l 98
22) Diisopropyl ether	5.92	45	349152	20.108	ug/l 97
23) Vinyl Acetate	5.86	43	1432304	106.433	ug/l 99
24) 1,1-Dichloroethane	5.82	63	192446	19.843	ug/l 99
25) 2-Butanone	6.81	43	402805	99.661	ug/l 98
26) 2,2-Dichloropropane	6.80	77	161283	19.019	ug/l 100
27) cis-1,2-Dichloroethene	6.80	96	109904	19.720	ug/l 99
28) Bromochloromethane	7.17	49	57172	19.594	ug/l 97
29) Tetrahydrofuran	7.18	42	253338	98.647	ug/l 100
30) Chloroform	7.35	83	183761	19.752	ug/l 99
31) Cyclohexane	7.63	56	178103	19.399	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	159379	20.377	ug/l 99
36) 1,1-Dichloropropene	7.77	75	136924	19.446	ug/l 99
37) Ethyl Acetate	6.90	43	159261	20.331	ug/l 99
38) Carbon Tetrachloride	7.75	117	138331	19.738	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161231	19.729	ug/l	96
40) Benzene	8.02	78	425001	20.043	ug/l	98
41) Methacrylonitrile	7.15	41	62523m	18.355	ug/l	
42) 1,2-Dichloroethane	8.10	62	146311	20.119	ug/l	99
43) Isopropyl Acetate	8.14	43	244456	19.575	ug/l	99
44) Trichloroethene	8.82	130	104397	20.029	ug/l	97
45) 1,2-Dichloropropane	9.10	63	116277	20.189	ug/l	99
46) Dibromomethane	9.19	93	71551	19.936	ug/l	98
47) Bromodichloromethane	9.39	83	141849	19.793	ug/l	98
48) Methyl methacrylate	9.18	41	107102	19.173	ug/l	98
49) 1,4-Dioxane	9.18	88	33369	336.139	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	764326	108.166	ug/l	100
52) Toluene	10.14	92	255349	20.092	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	164308	19.845	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	177196	19.895	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	103803	20.181	ug/l	98
56) Ethyl methacrylate	10.42	69	154544	19.213	ug/l	100
57) 1,3-Dichloropropane	10.70	76	182407	20.605	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	303193	105.919	ug/l	99
59) 2-Hexanone	10.74	43	576986	106.383	ug/l	100
60) Dibromochloromethane	10.90	129	109396	20.116	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104357	20.042	ug/l	98
64) Tetrachloroethene	10.62	164	91687	19.873	ug/l	99
65) Chlorobenzene	11.43	112	267482	20.223	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	101088	20.374	ug/l	99
67) Ethyl Benzene	11.51	91	481080	20.500	ug/l	98
68) m/p-Xylenes	11.62	106	359896	40.942	ug/l	100
69) o-Xylene	11.94	106	173018	20.367	ug/l	97
70) Styrene	11.96	104	273107	20.441	ug/l	98
71) Bromoform	12.12	173	76955	19.940	ug/l #	99
73) Isopropylbenzene	12.25	105	464243	20.235	ug/l	99
74) N-amyl acetate	12.07	43	191852	19.735	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	156084	19.978	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	144461m	20.118	ug/l	
77) Bromobenzene	12.52	156	111920	19.417	ug/l	100
78) n-propylbenzene	12.59	91	539179	20.525	ug/l	100
79) 2-Chlorotoluene	12.67	91	328924	20.184	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	395067	20.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51550	18.962	ug/l	97
82) 4-Chlorotoluene	12.77	91	331284	20.269	ug/l	99
83) tert-Butylbenzene	12.99	119	341443	20.338	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	387071	20.580	ug/l	99
85) sec-Butylbenzene	13.17	105	440912	20.194	ug/l	100
86) p-Isopropyltoluene	13.29	119	395378	20.509	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	198868	20.148	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	192984	19.541	ug/l	98
89) n-Butylbenzene	13.62	91	333963	19.792	ug/l	99
90) Hexachloroethane	13.88	117	74697	19.296	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	196442	20.231	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30873	19.822	ug/l	96

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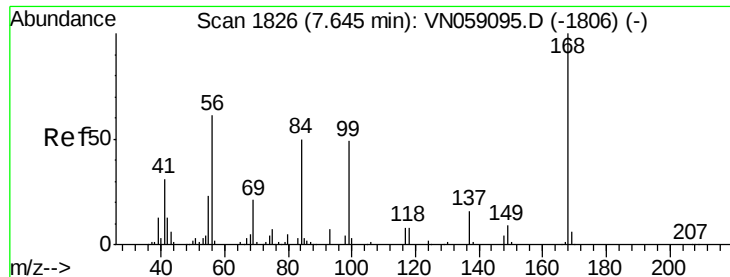
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101148	19.170	ug/l	99
94) Hexachlorobutadiene	15.01	225	63480	18.961	ug/l	98
95) Naphthalene	15.13	128	288696	19.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	105440	19.377	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion:168 Resp: 479746

Ion Ratio Lower Upper

168 100

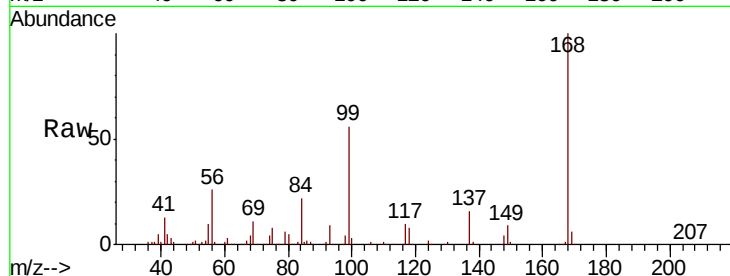
99 55.7 45.7 68.5

Manual Integrations

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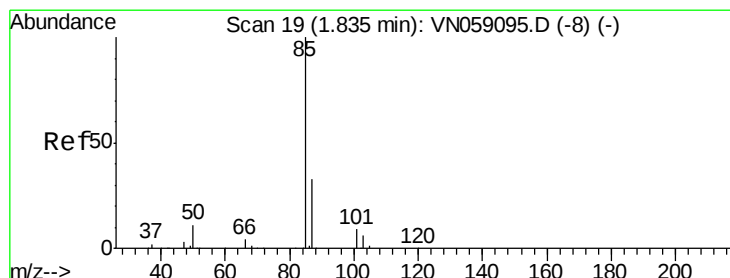
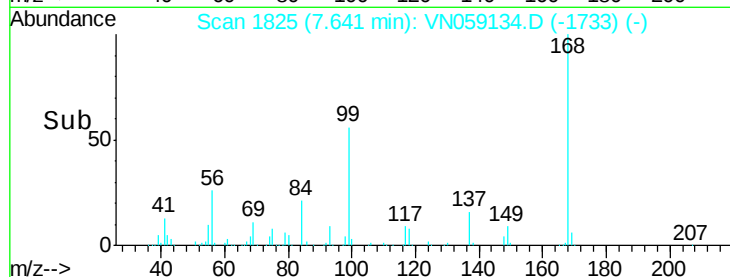
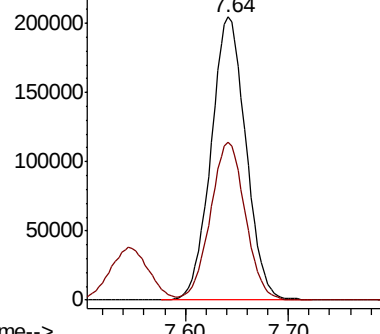
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.259 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059134.D

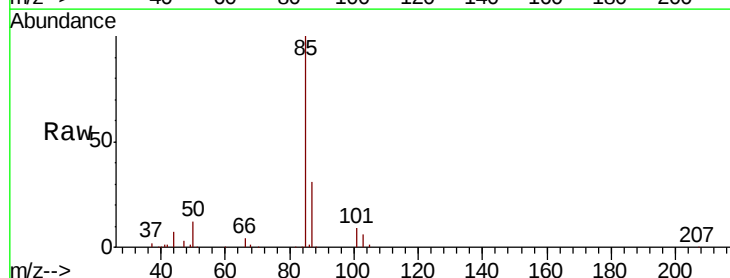
Acq: 8 Nov 2019 10:31

Tgt Ion: 85 Resp: 93090

Ion Ratio Lower Upper

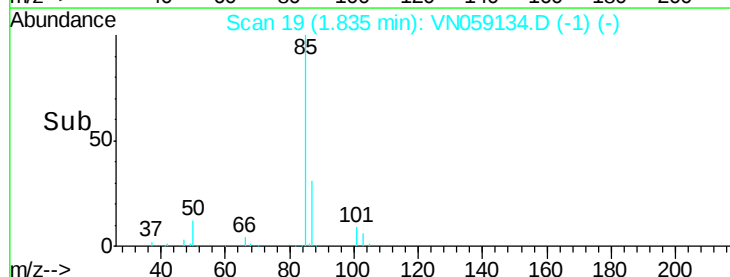
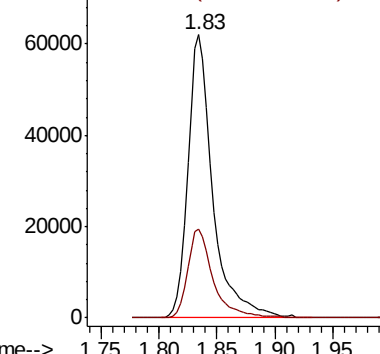
85 100

87 31.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.655 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 50 Resp: 122576

Ion Ratio Lower Upper

50 100

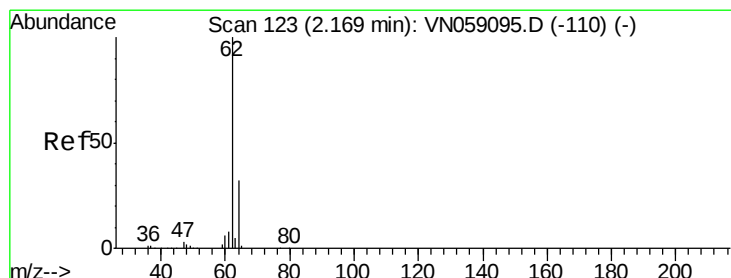
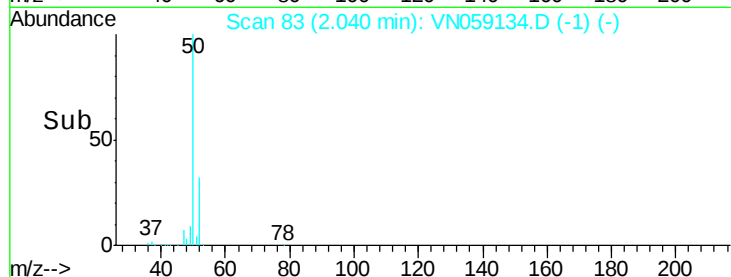
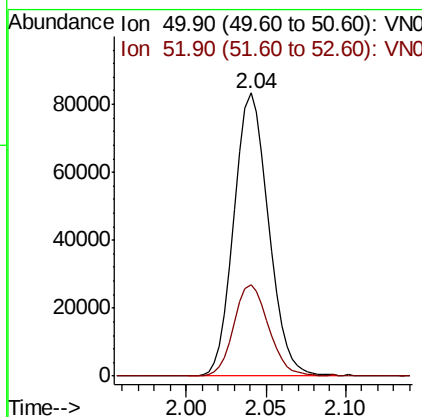
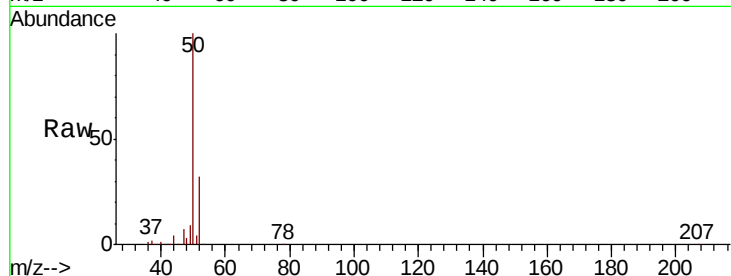
52 32.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.175 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059134.D

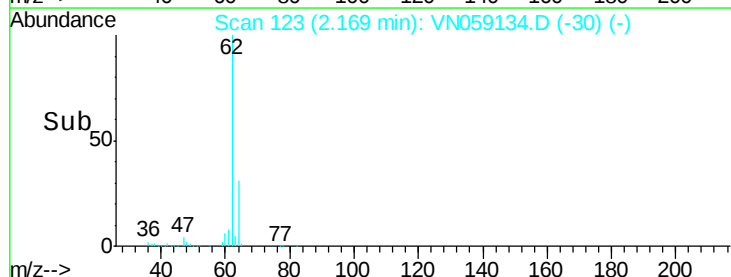
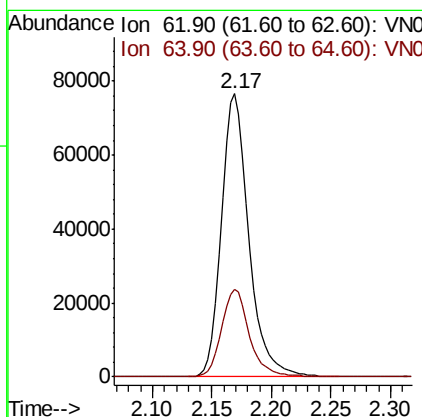
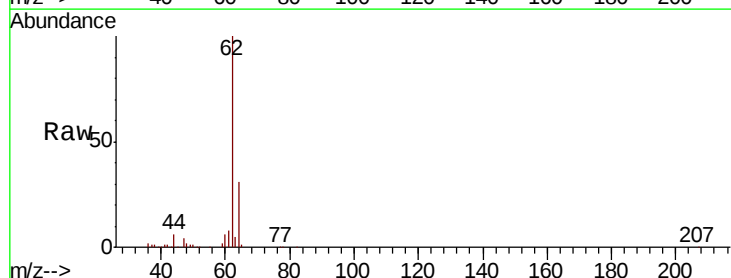
Acq: 8 Nov 2019 10:31

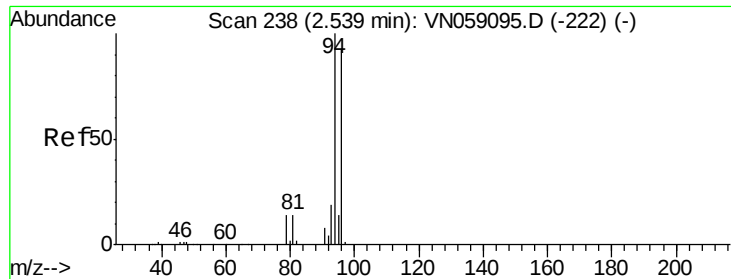
Tgt Ion: 62 Resp: 122150

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 19.411 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 94 Resp: 71159

Ion Ratio Lower Upper

94 100

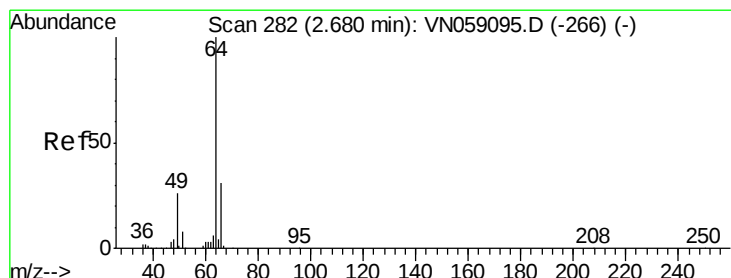
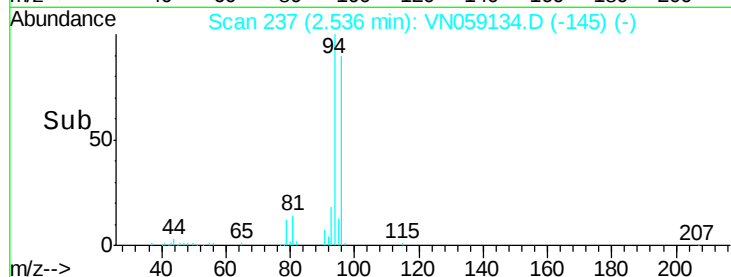
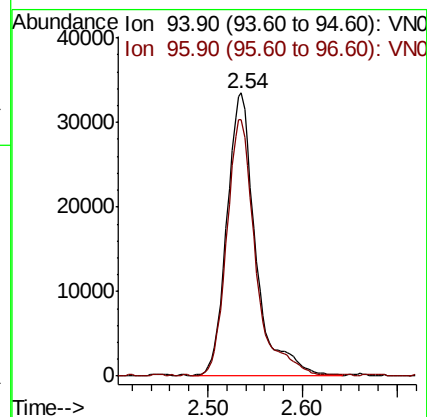
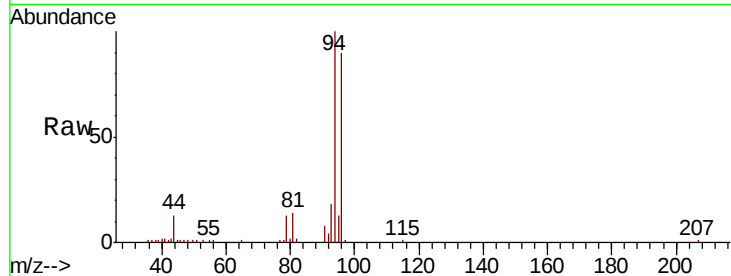
96 90.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 19.249 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059134.D

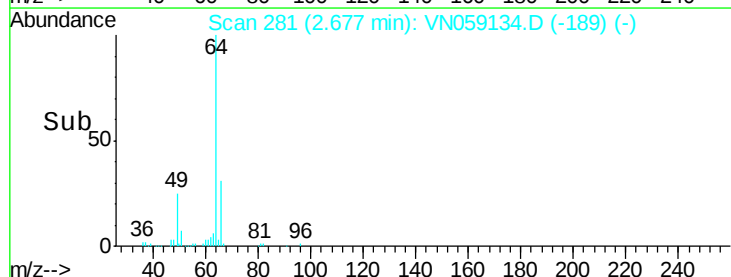
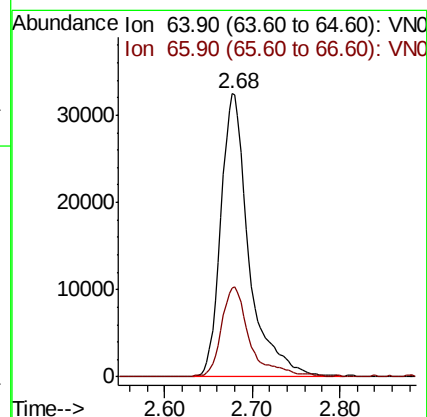
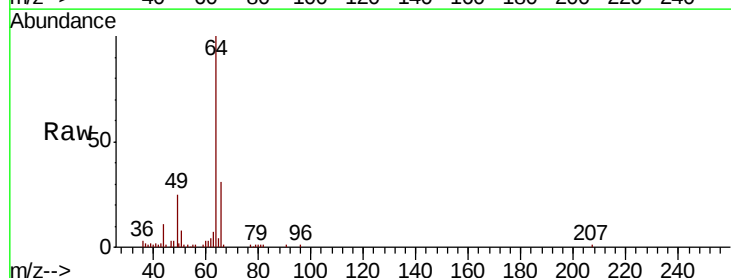
Acq: 8 Nov 2019 10:31

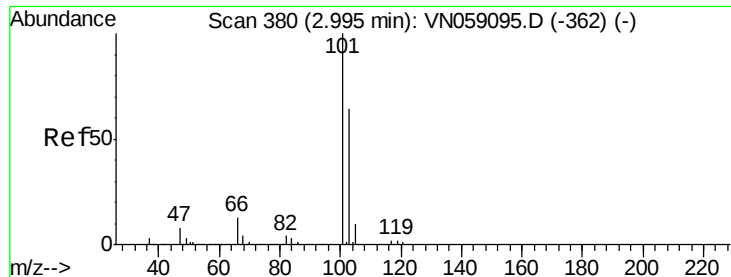
Tgt Ion: 64 Resp: 72536

Ion Ratio Lower Upper

64 100

66 31.4 25.2 37.8





#7

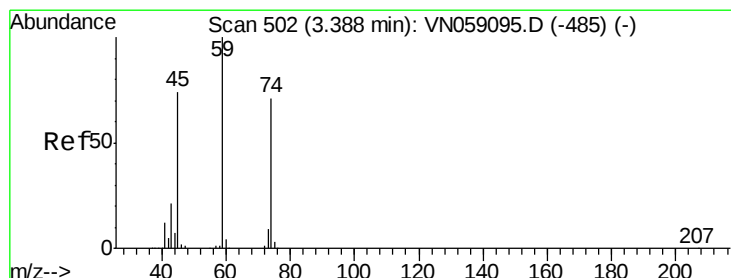
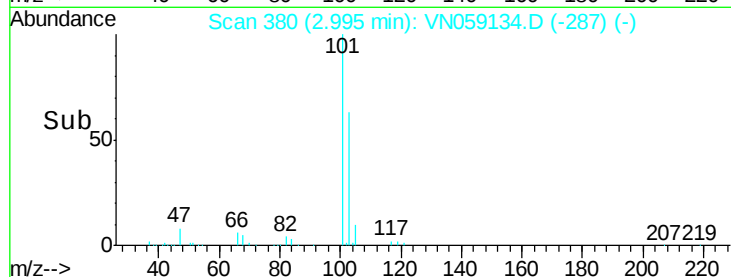
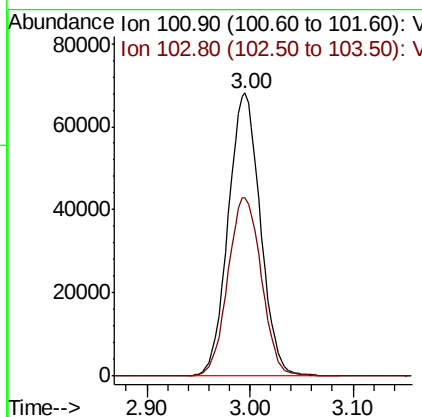
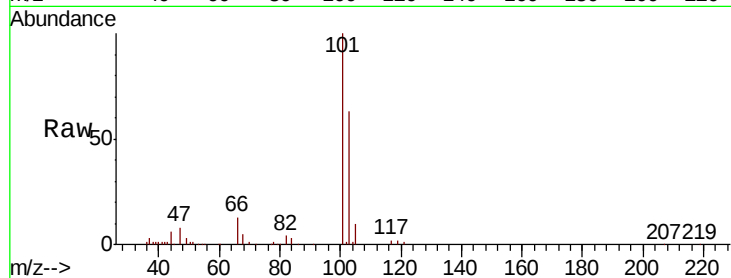
Trichlorofluoromethane
 Concen: 19.428 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
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 ClientSampleId :
 VN1108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	148030		
103	63.1	51.2	76.8	

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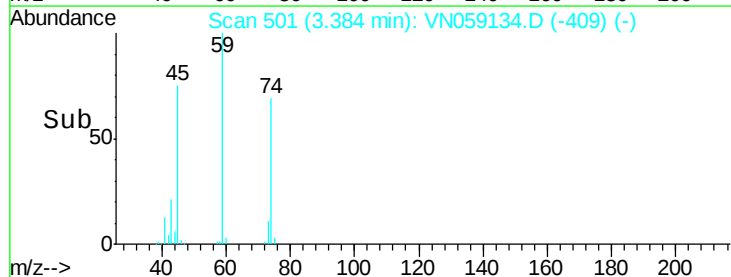
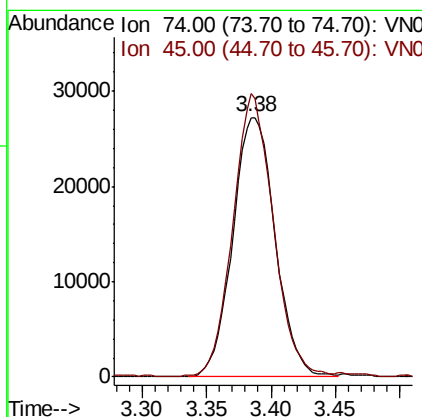
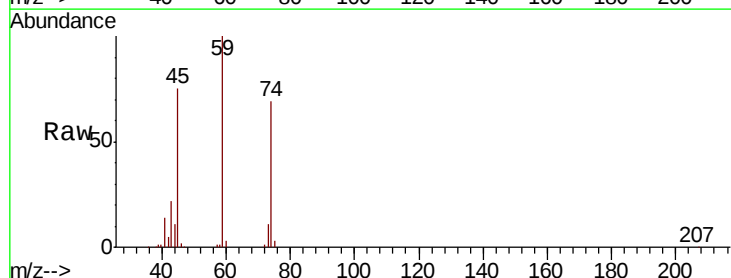
MMDadoda
 11/11/2019 10:35:08 AM

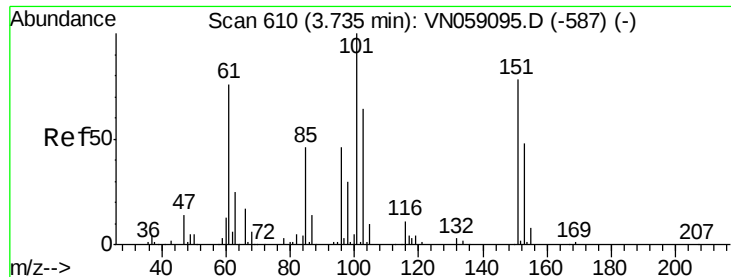


#8

Diethyl Ether
 Concen: 20.153 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	62394		
45	104.0	51.6	154.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.004 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

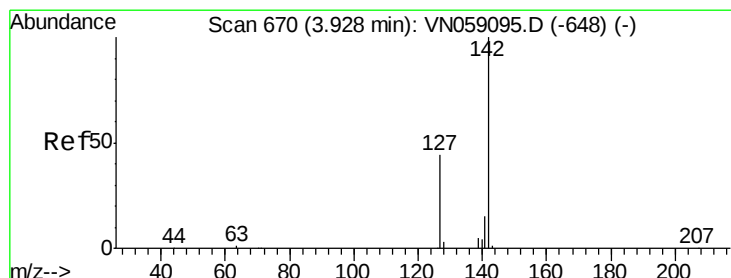
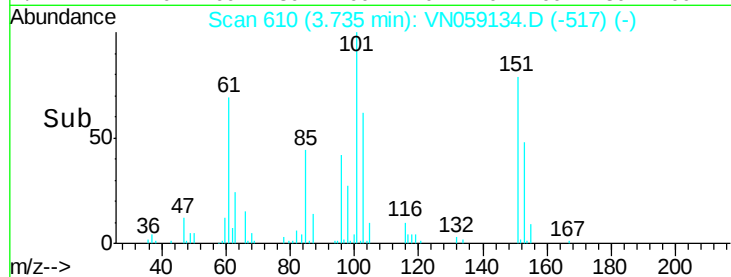
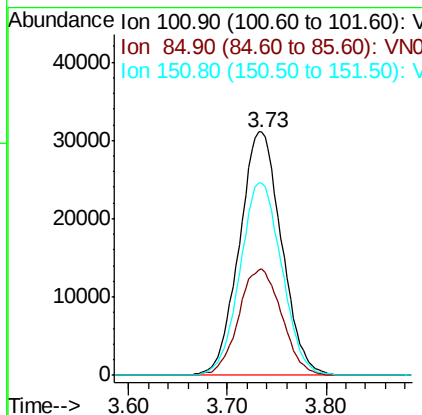
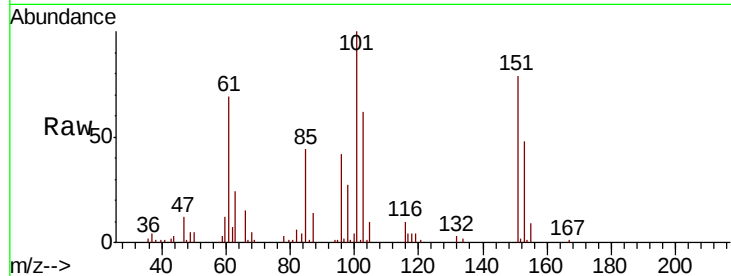
ClientSampleId :

VN1108MBSD01

Tot Ion:	101	Resp:	91903
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.5	53.3
151	78.2	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.417 ug/l

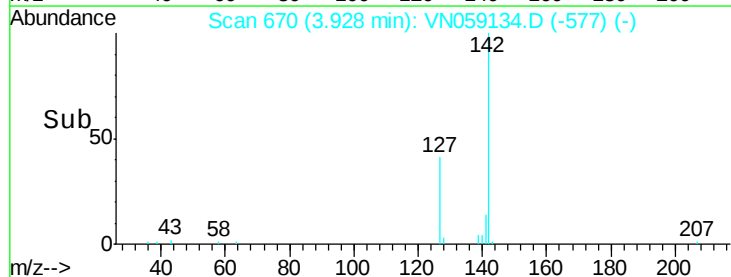
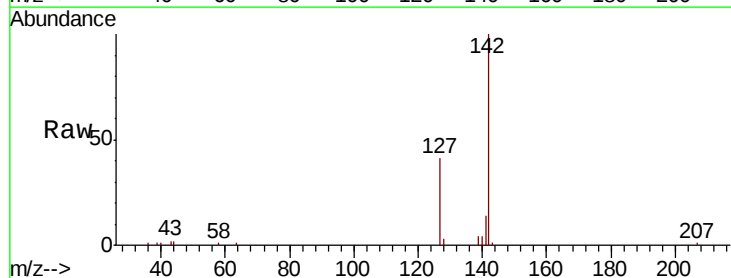
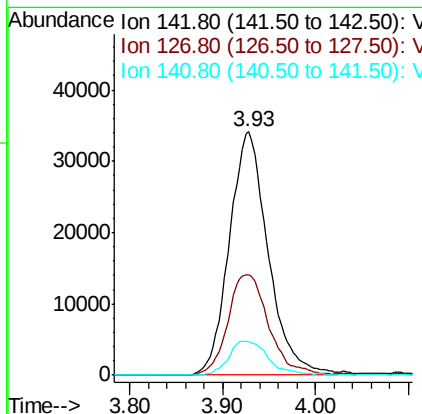
RT: 3.93 min Scan# 670

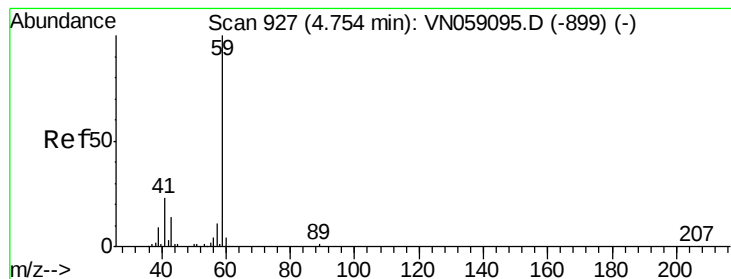
Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	142	Resp:	99045
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.2	51.2
141	14.2	11.4	17.0





#11

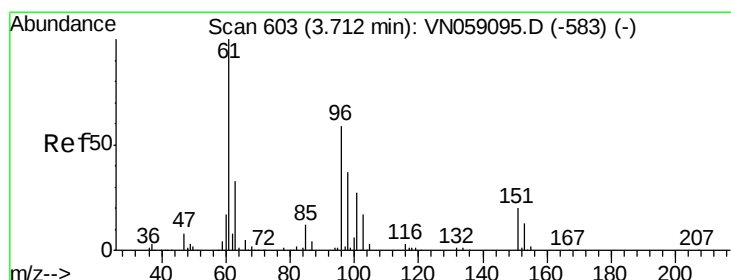
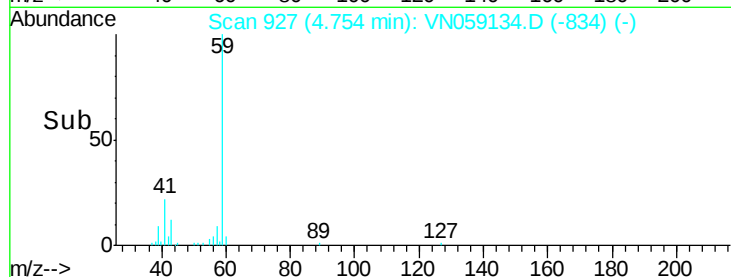
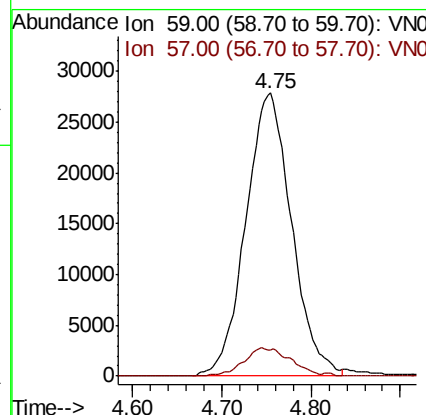
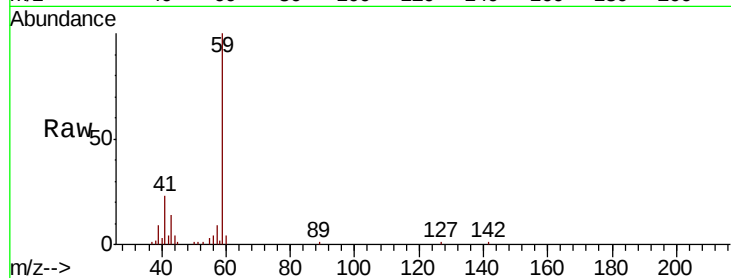
Tert butyl alcohol
Concen: 88.559 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

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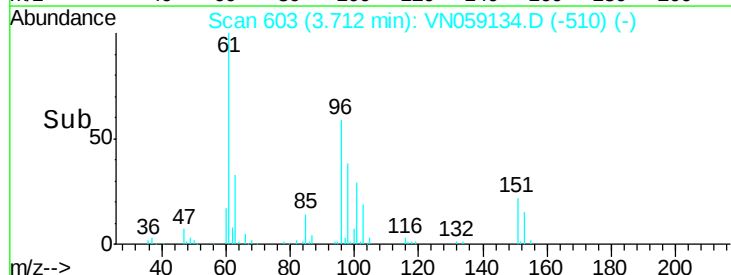
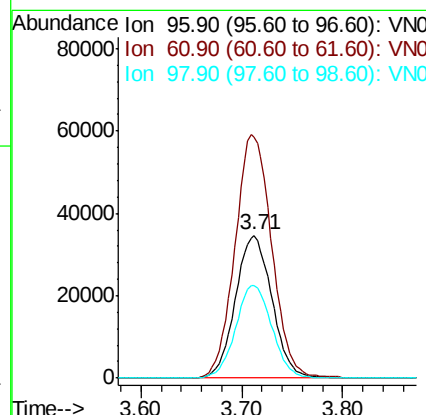
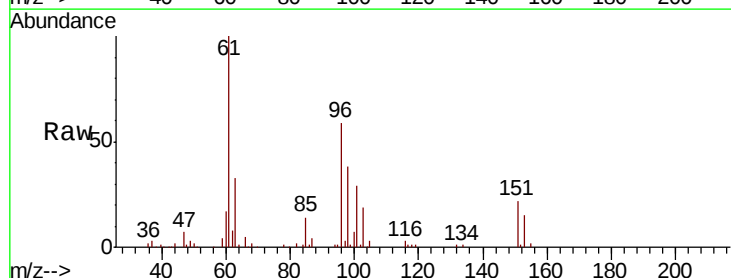
MMDadoda
11/11/2019 10:35:08 AM

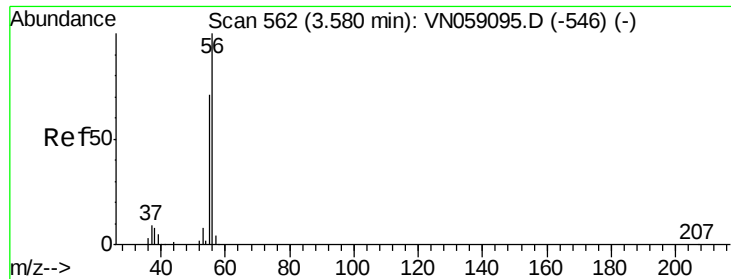


#12

1,1-Dichloroethene
Concen: 19.455 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	136.5	204.7
98	64.9	50.2	75.4





#13

Acrolein

Concen: 86.522 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 56 Resp: 50136

Ion Ratio Lower Upper

56 100

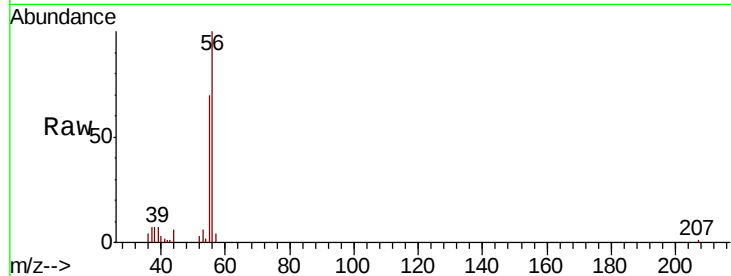
55 70.6 56.4 84.6

Manual Integrations

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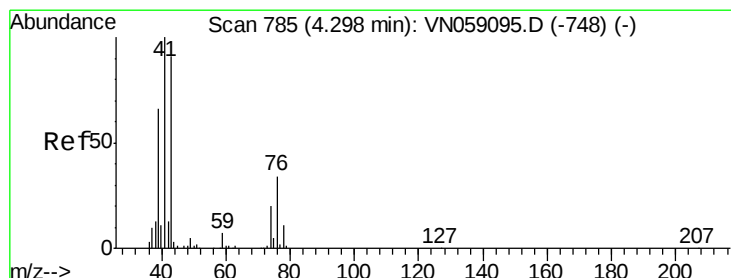
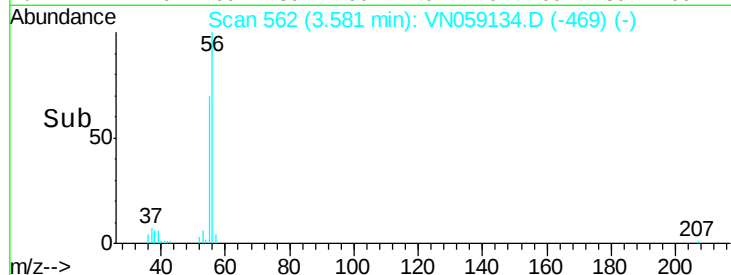
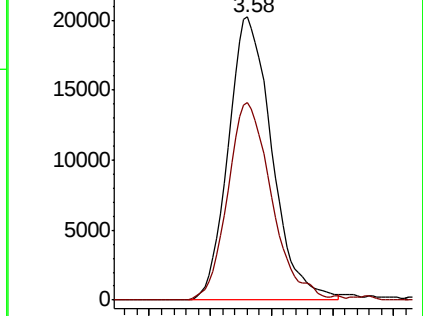
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.978 ug/l m

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

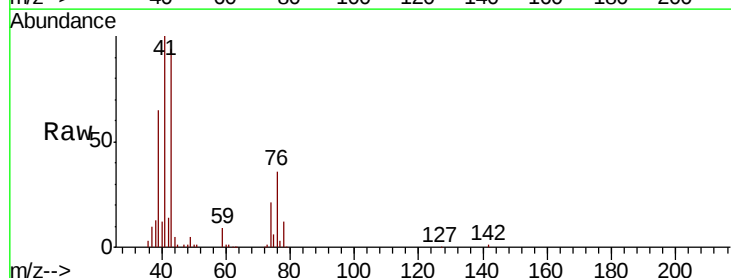
Tgt Ion: 41 Resp: 174465

Ion Ratio Lower Upper

41 100

39 61.0 49.1 73.7

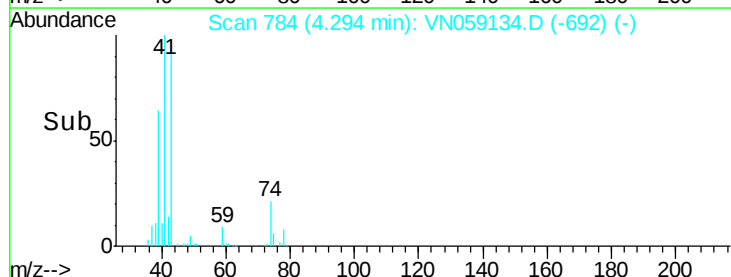
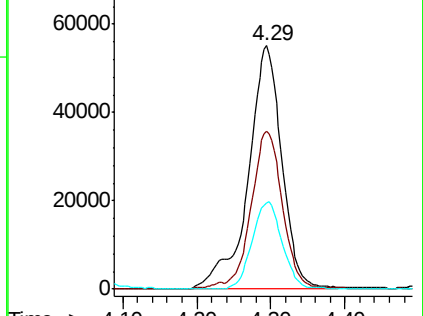
76 31.9 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 102.015 ug/l

RT: 4.95 min Scan# 989

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

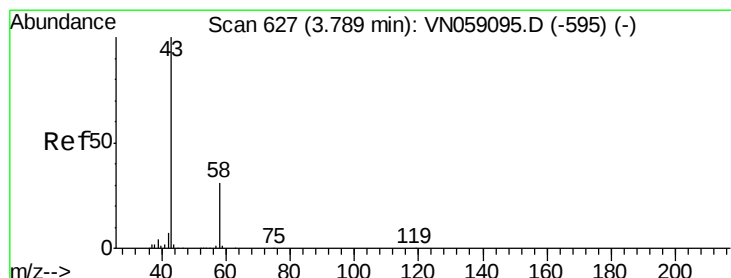
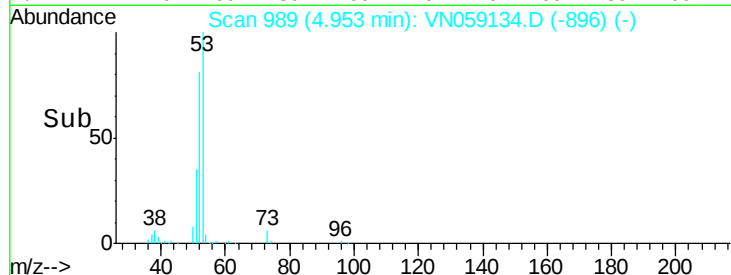
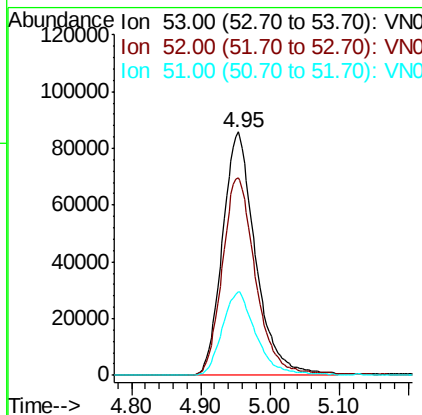
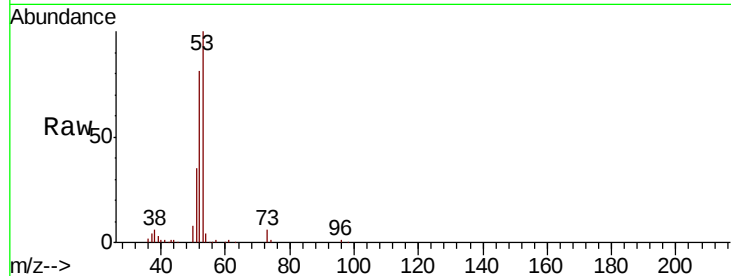
ClientSampleId :

VN1108MBSD01

Tot Ion:	53	Resp:	285337
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.0	97.6
51	35.1	28.0	42.0

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#16

Acetone

Concen: 102.958 ug/l

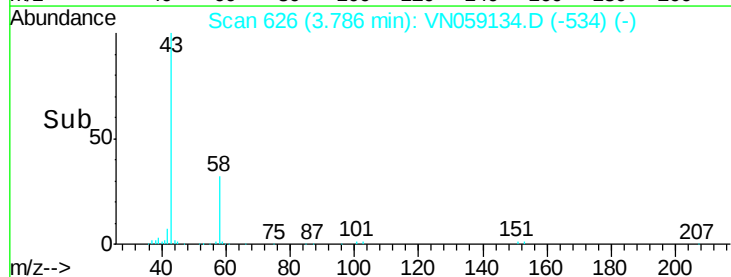
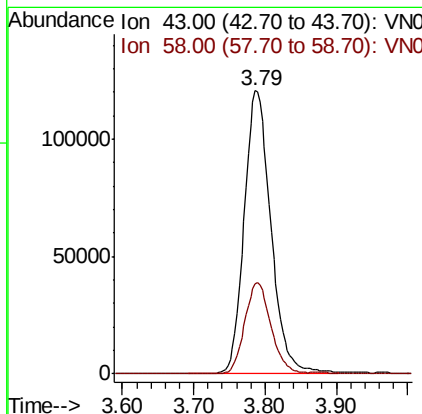
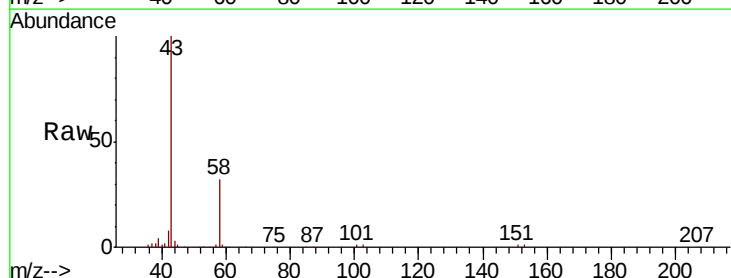
RT: 3.79 min Scan# 626

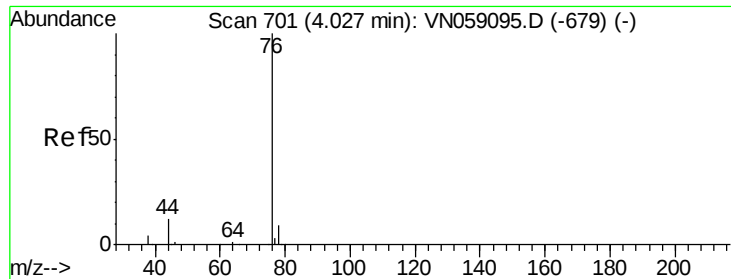
Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	43	Resp:	315742
Ion Ratio	Lower	Upper	
43	100		
58	31.7	24.9	37.3





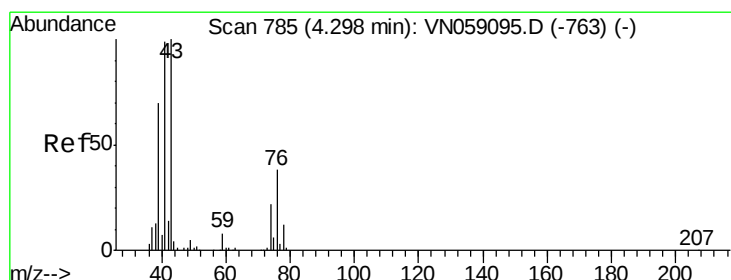
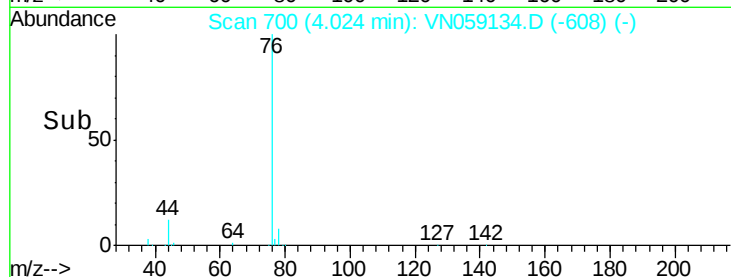
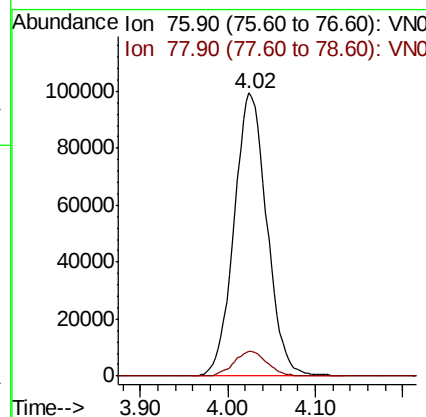
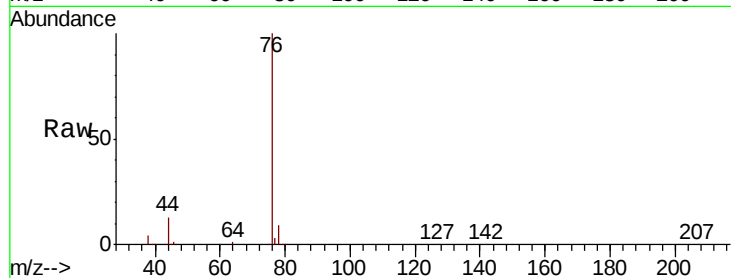
#17
Carbon Disulfide
Concen: 18.618 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

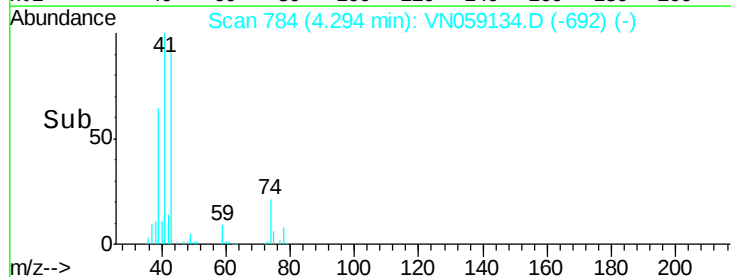
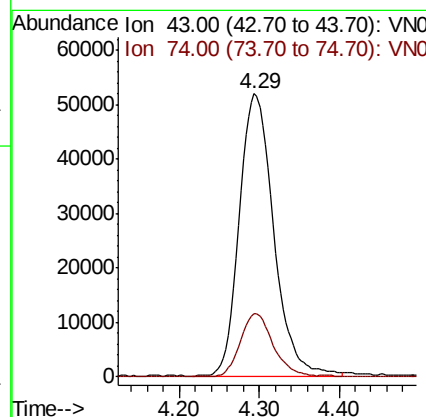
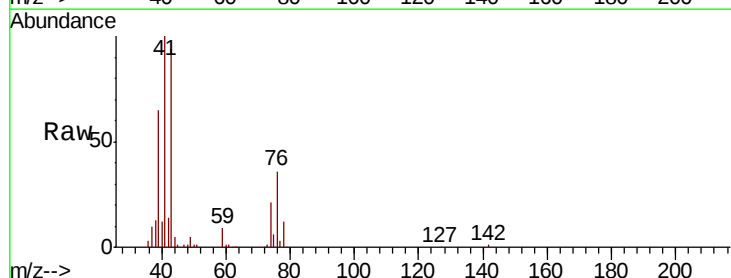
Manual Integrations
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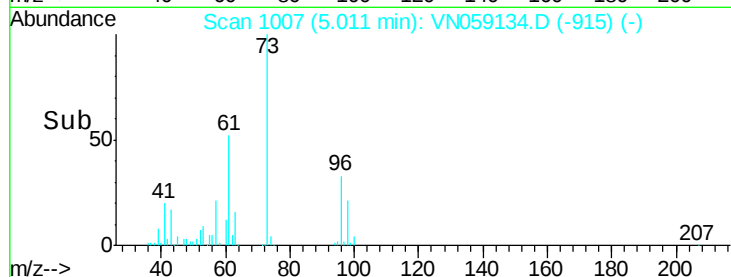
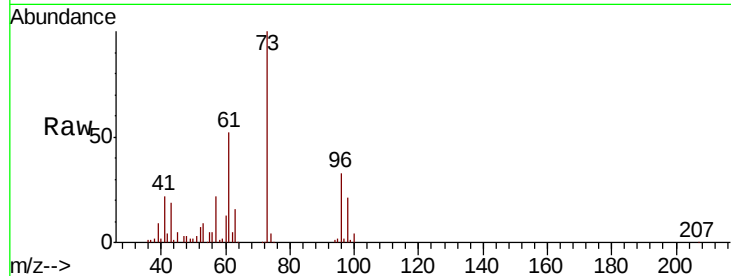
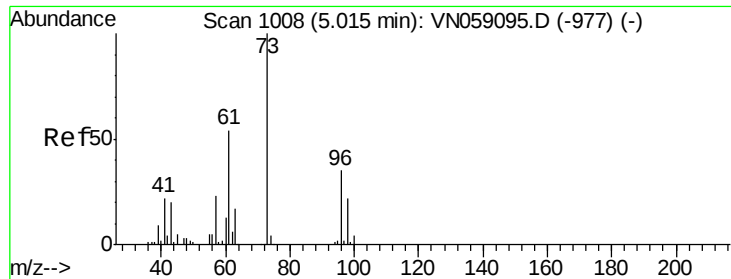
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#18
Methyl Acetate
Concen: 20.991 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.8	26.8





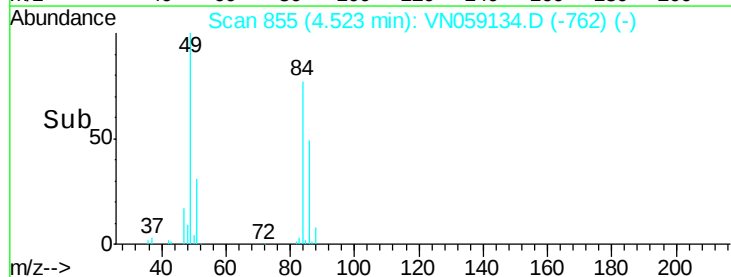
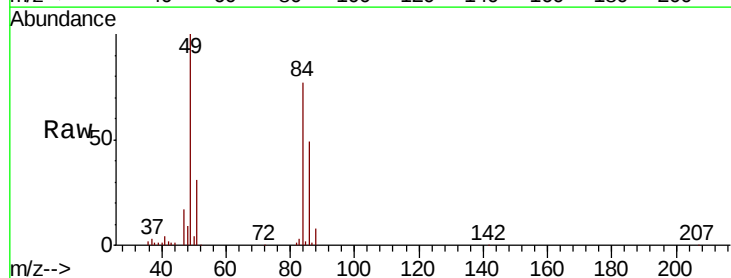
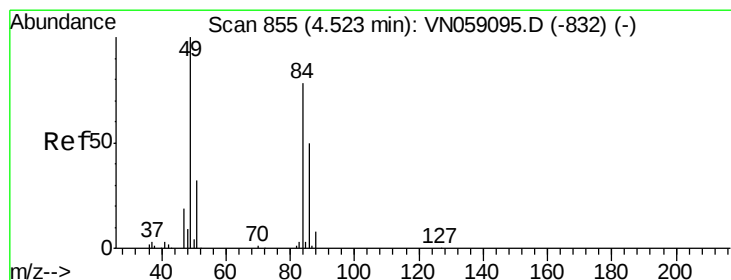
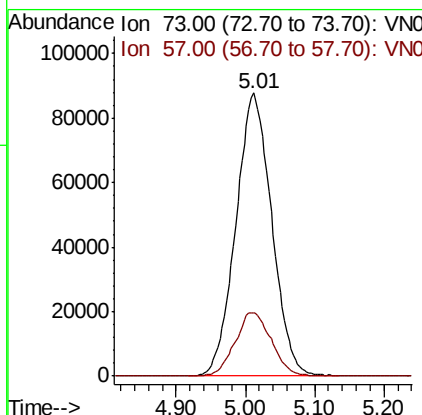
#19
Methvl tert-butvl Ether
Concen: 20.524 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tot Ion: 73 Resp: 316226
Ion Ratio Lower Upper
73 100
57 22.4 18.4 27.6

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

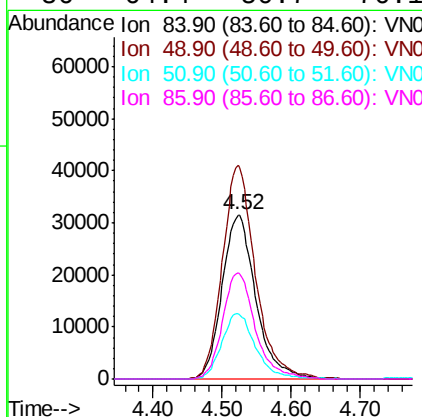
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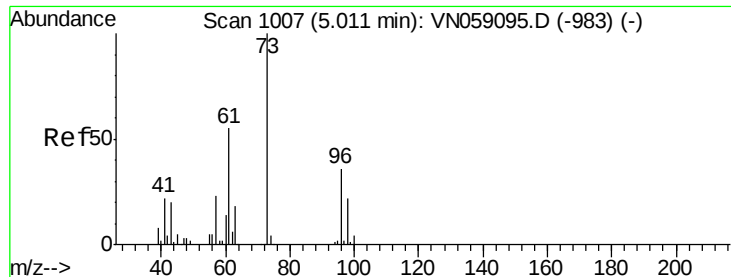
MMDadoda
11/11/2019 10:35:08 AM



#20
Methylene Chloride
Concen: 19.987 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion: 84 Resp: 106784
Ion Ratio Lower Upper
84 100
49 130.2 102.0 153.0
51 39.7 32.2 48.2
86 64.4 50.7 76.1





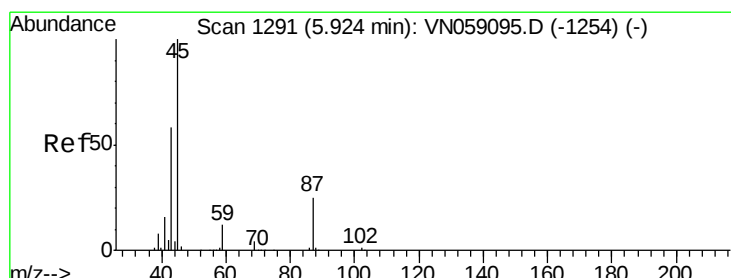
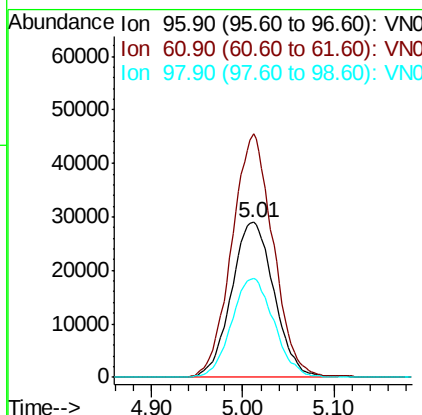
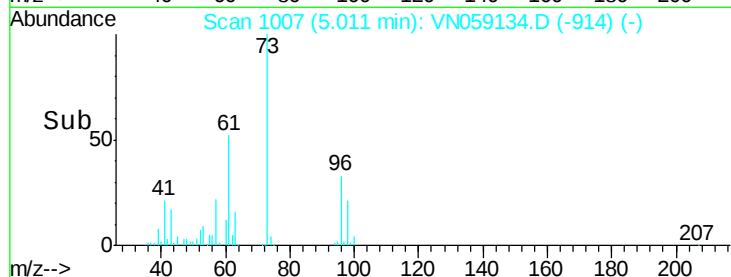
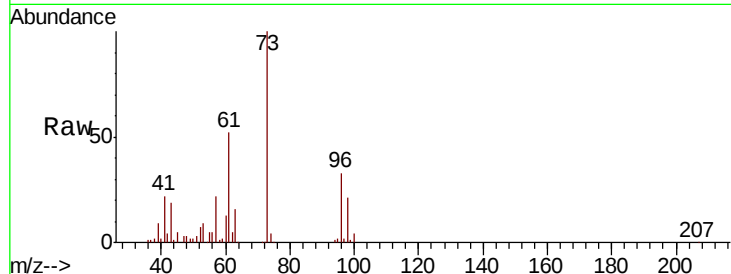
#21
trans-1,2-Dichloroethene
Concen: 19.678 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.9	122.6	183.8
98	63.6	50.3	75.5

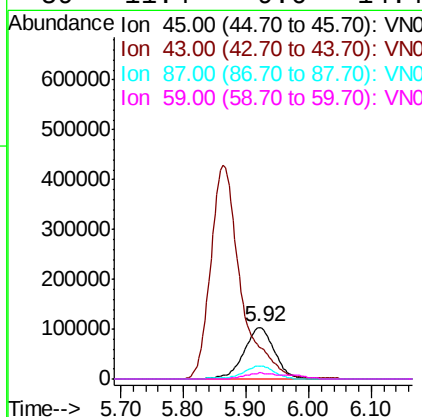
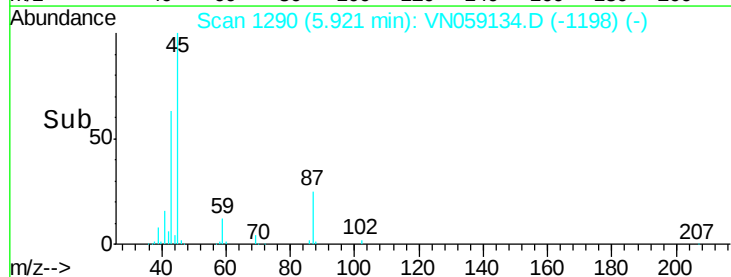
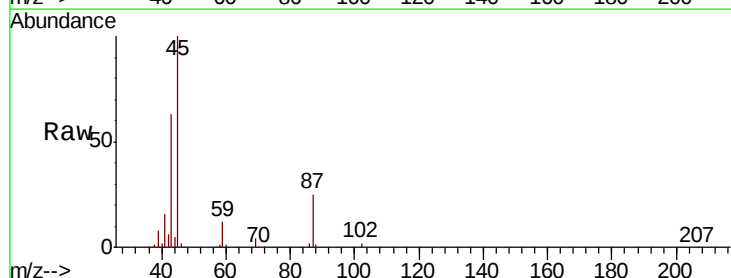
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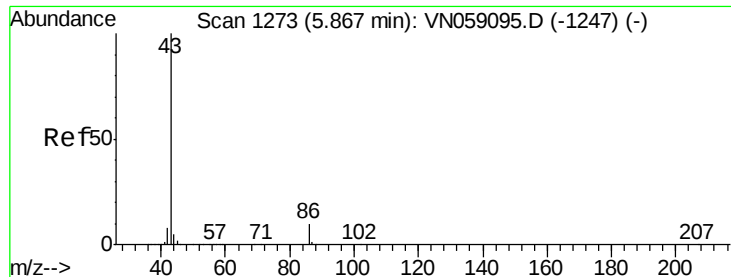
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#22
Diisopropyl ether
Concen: 20.108 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.7	70.1
87	25.1	20.5	30.7
59	11.4	9.6	14.4





#23

Vinyl Acetate

Concen: 106.433 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 43 Resp: 1432304

Ion Ratio Lower Upper

43 100

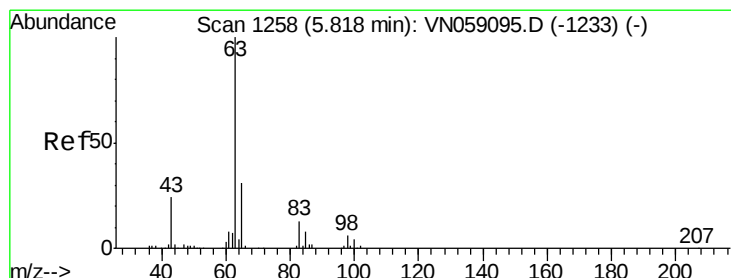
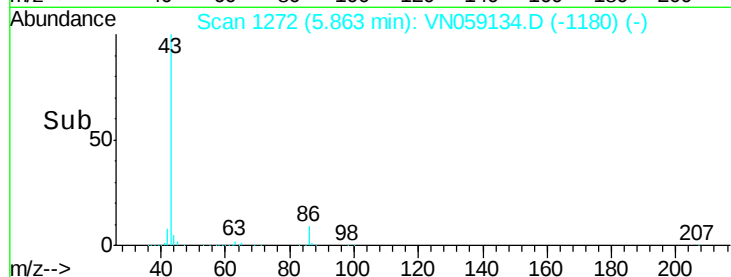
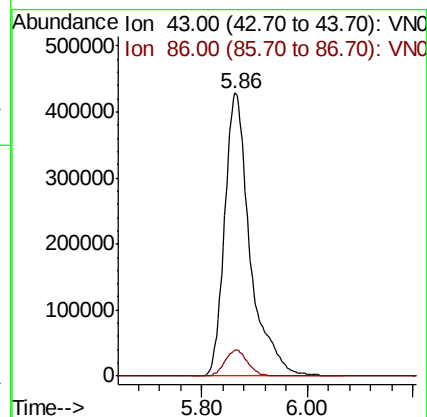
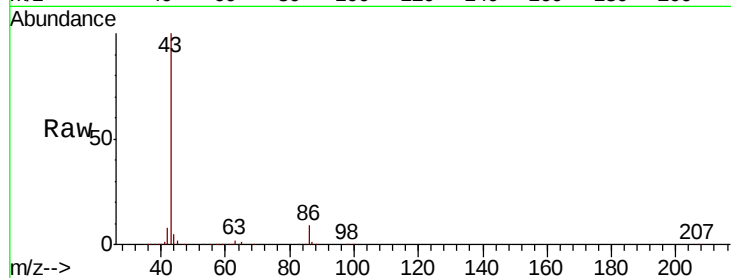
86 9.2 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 19.843 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

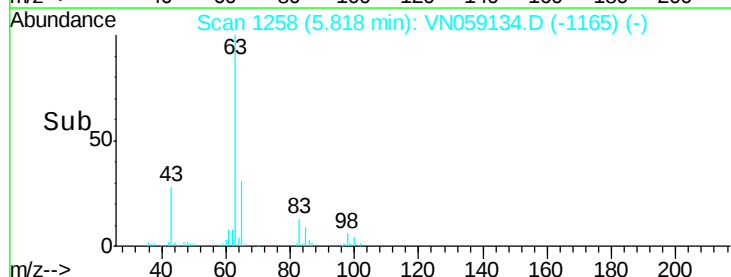
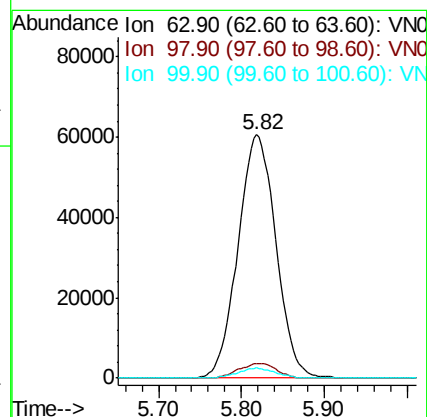
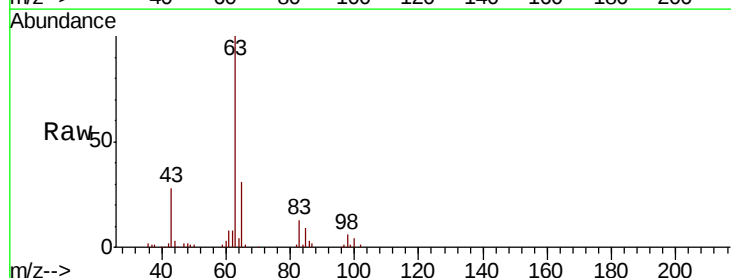
Tgt Ion: 63 Resp: 192446

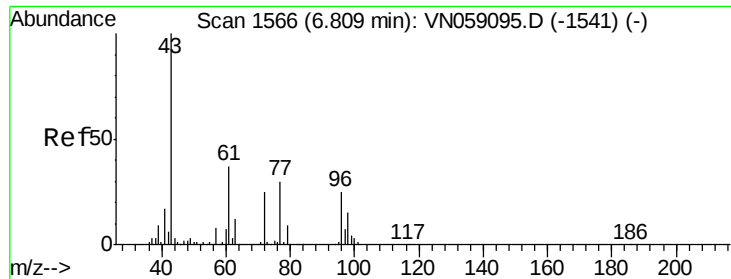
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 4.2 1.9 5.7





#25

2-Butanone

Concen: 99.661 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tot Ion: 43 Resp: 402805

Ion Ratio Lower Upper

43 100

72 24.6 20.3 30.5

Instrument :

MSVOA_N

ClientSampleId :

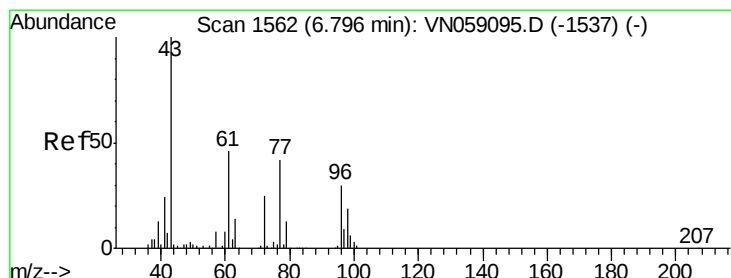
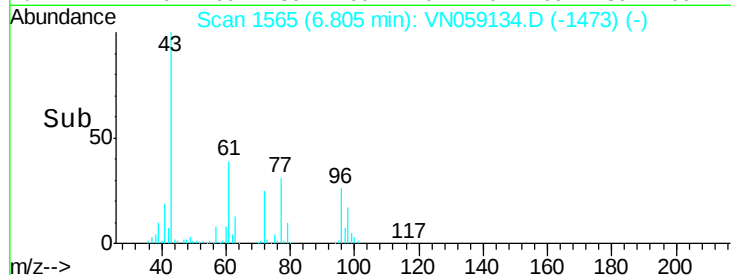
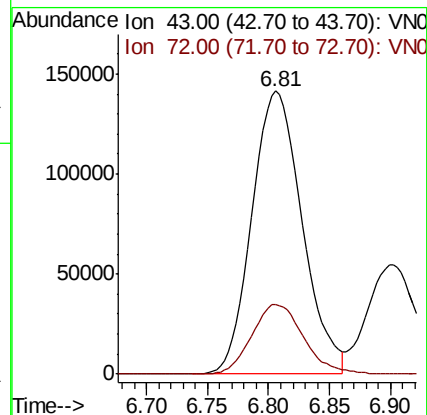
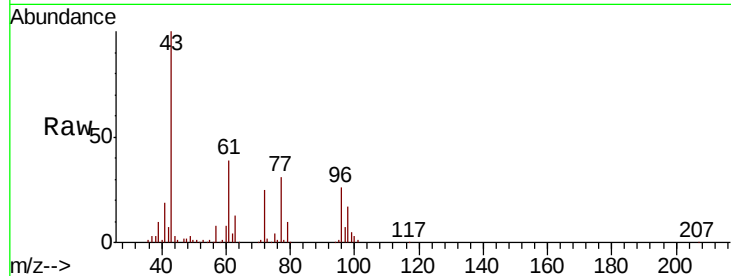
VN1108MBSD01

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#26

2,2-Dichloropropane

Concen: 19.019 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059134.D

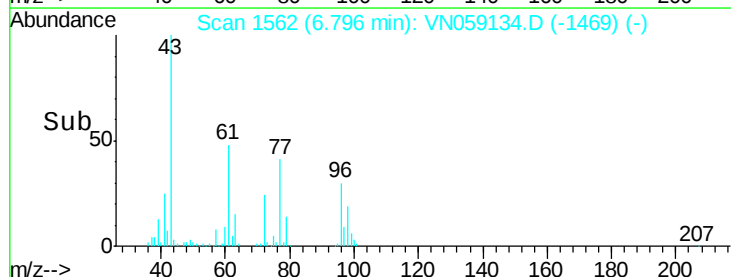
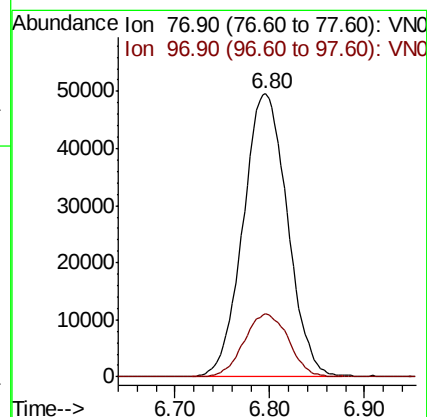
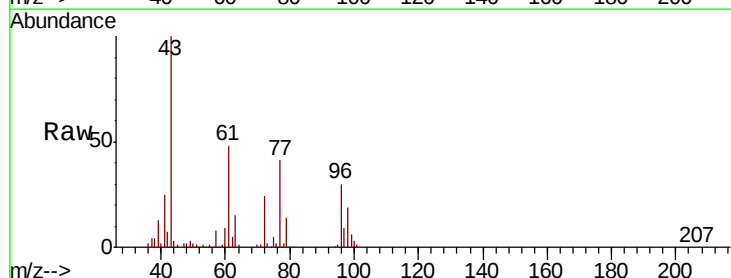
Acq: 8 Nov 2019 10:31

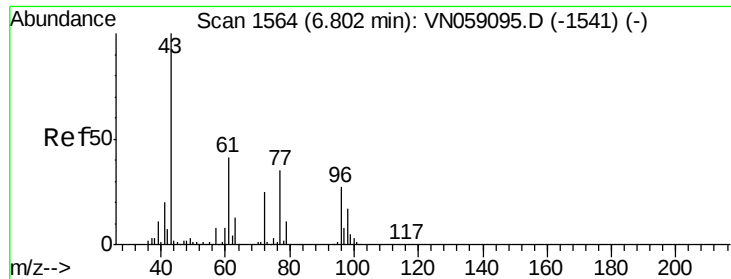
Tgt Ion: 77 Resp: 161283

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 19.720 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

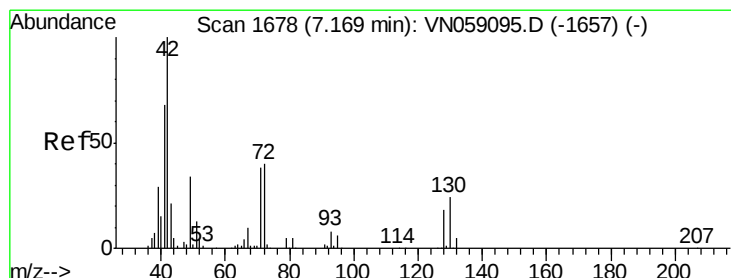
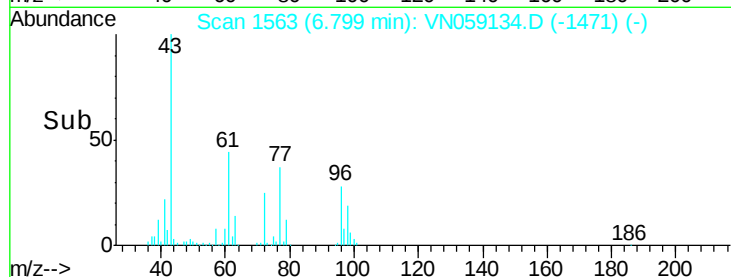
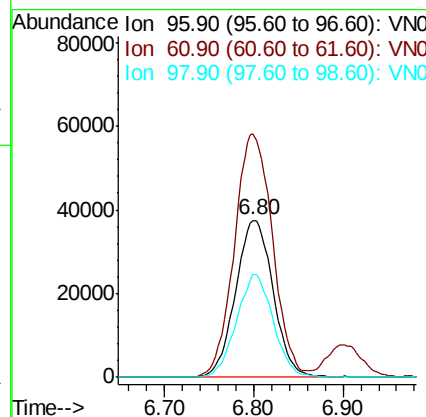
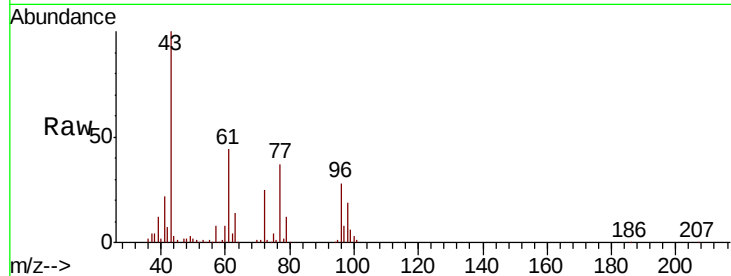
ClientSampleId :

VN1108MBSD01

Tot Ion:	96	Resp:	109904
Ion	Ratio	Lower	Upper
96	100		
61	157.6	0.0	311.6
98	64.1	0.0	129.8

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#28

Bromochloromethane

Concen: 19.594 ug/l

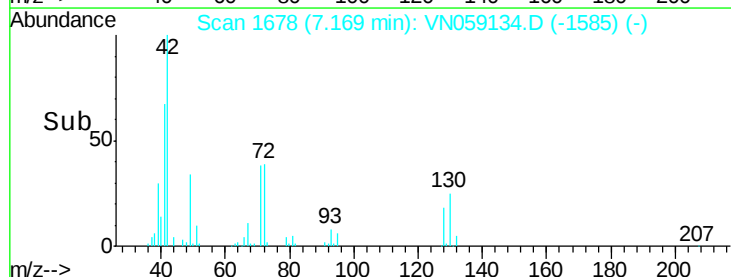
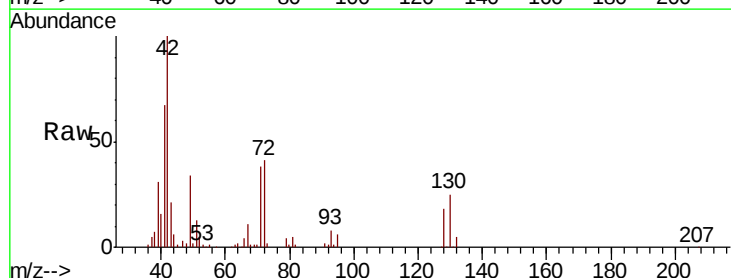
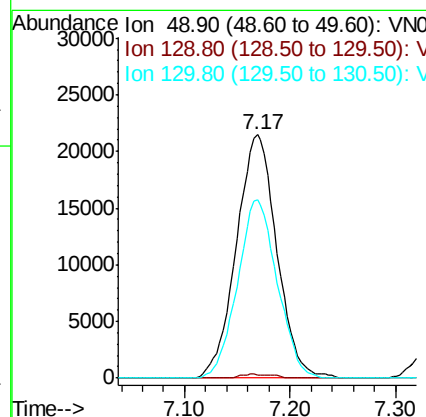
RT: 7.17 min Scan# 1678

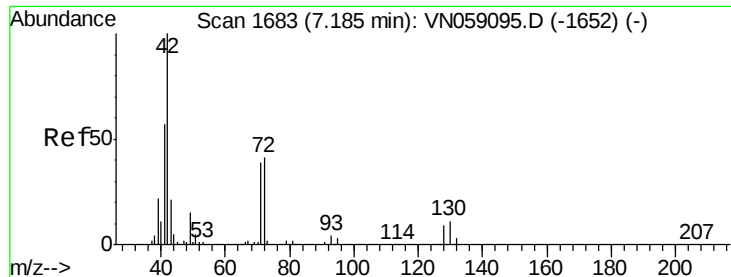
Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	49	Resp:	57172
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	71.9	55.6	83.4





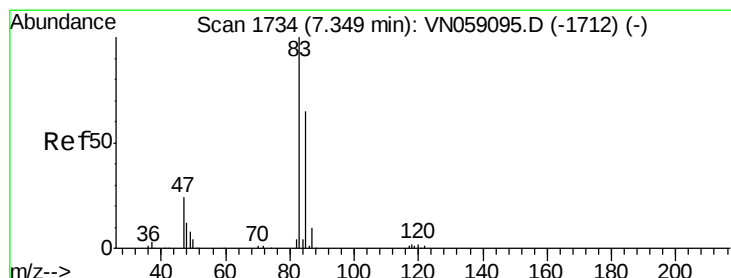
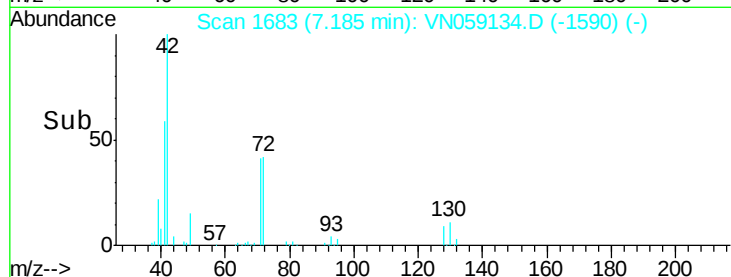
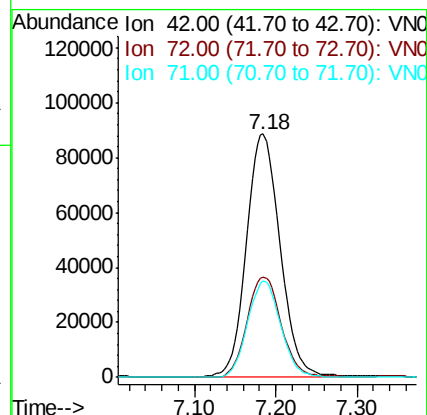
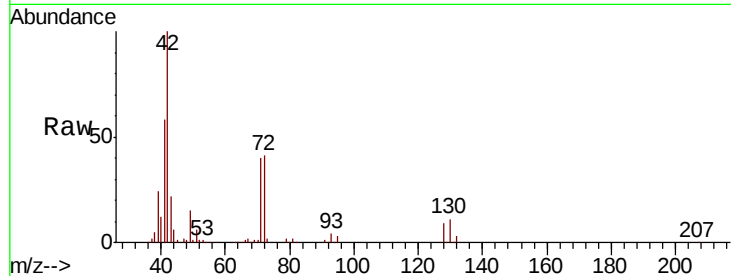
#29
Tetrahydrofuran
Concen: 98.647 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.1	49.7
71	38.7	30.9	46.3

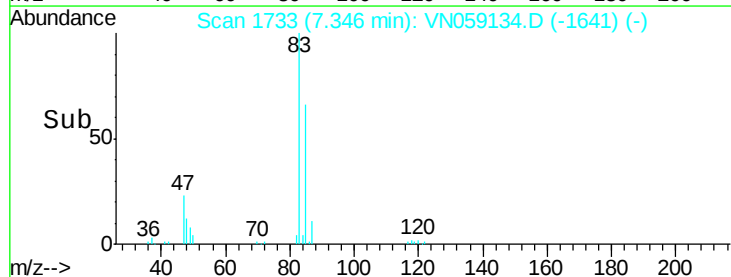
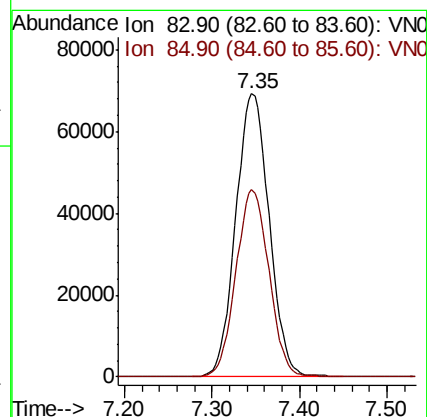
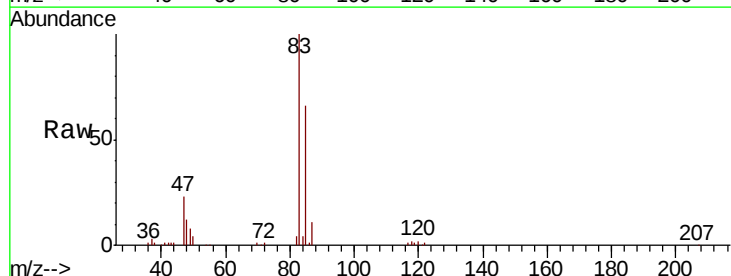
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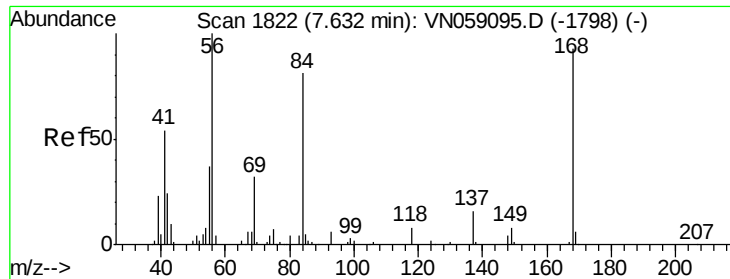
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11/11/2019 10:35:08 AM



#30
Chloroform
Concen: 19.752 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.8	77.8





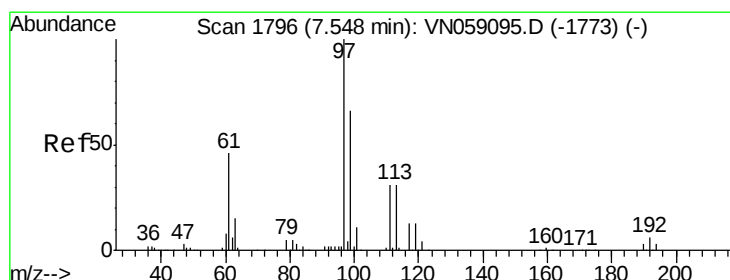
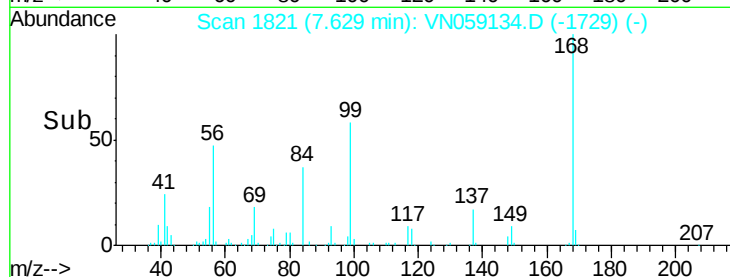
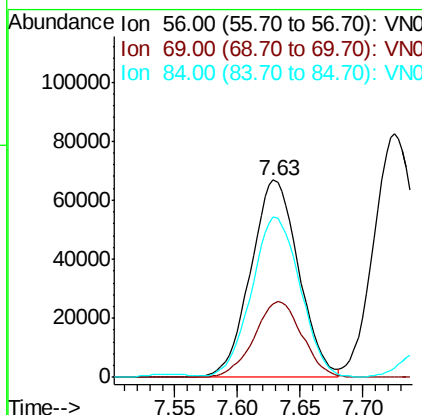
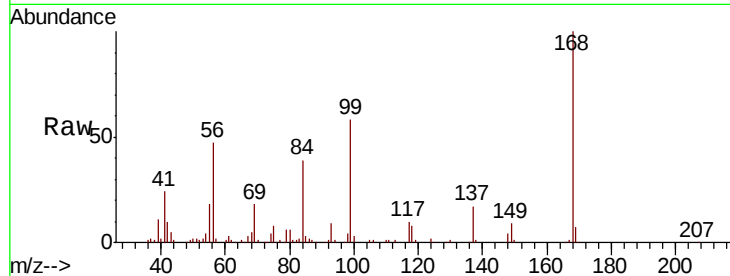
#31
Cyclohexane
Concen: 19.399 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	25.8	38.8
84	80.2	65.0	97.4

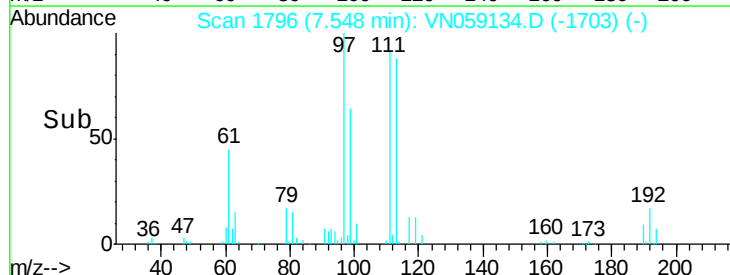
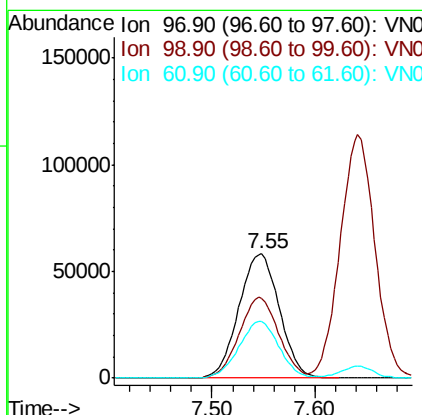
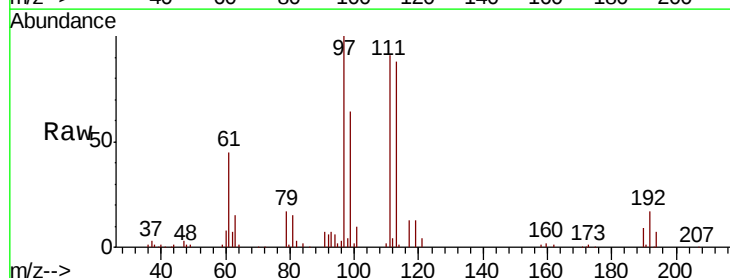
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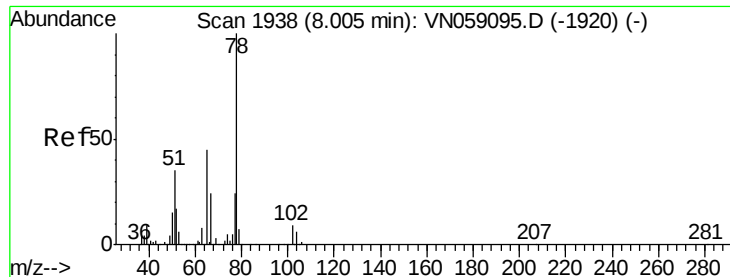
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#32
1,1,1-Trichloroethane
Concen: 20.377 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.0	76.6
61	45.1	35.8	53.8





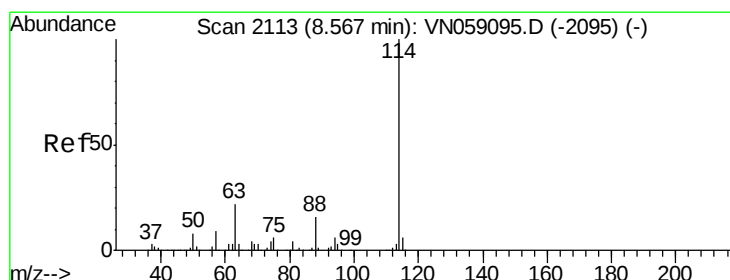
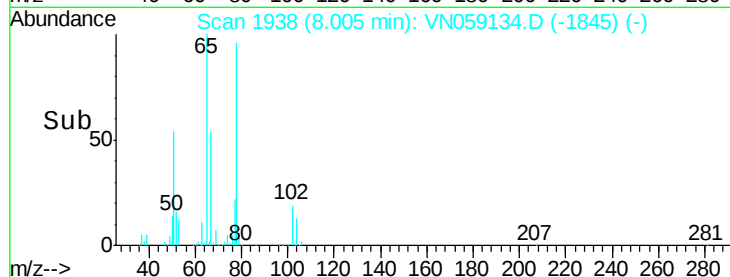
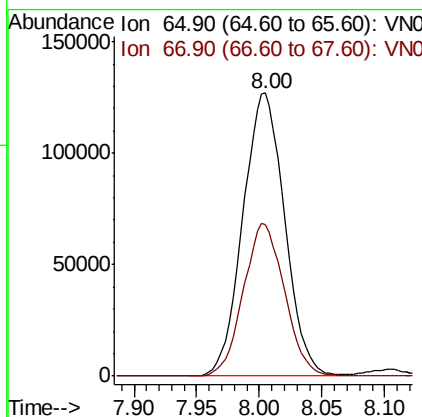
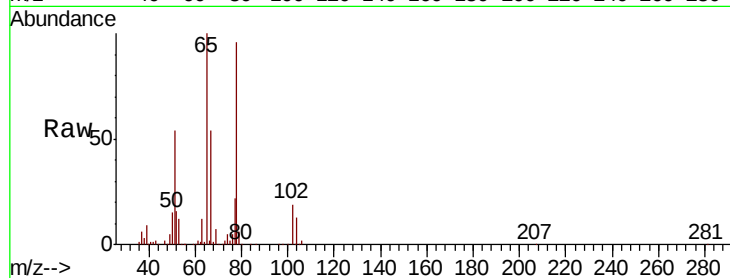
#33
 1,2-Dichloroethane-d4
 Concen: 49.955 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.2	0.0	107.4	

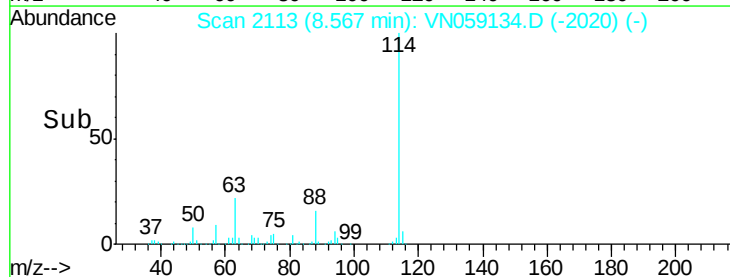
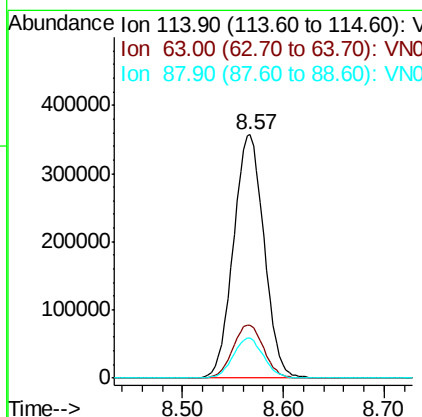
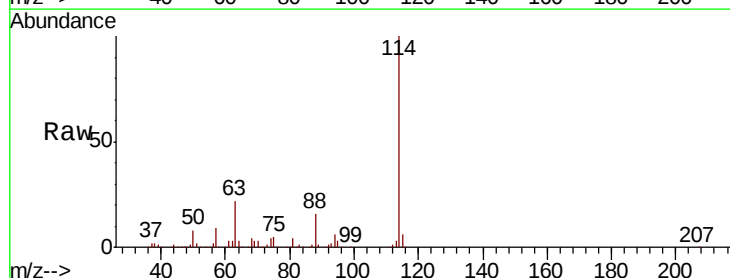
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.4	
88	16.5	0.0	32.2	





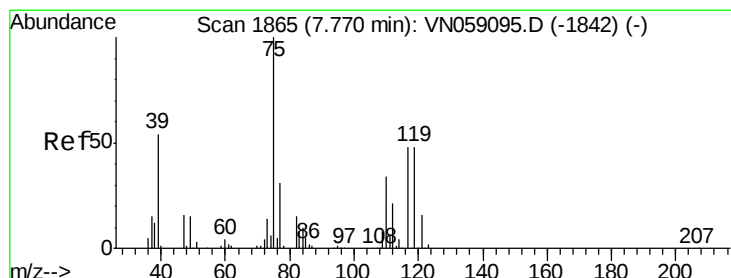
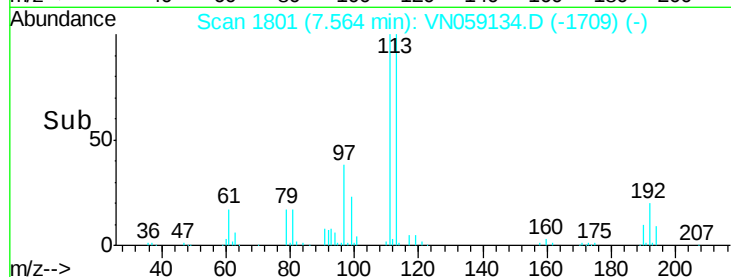
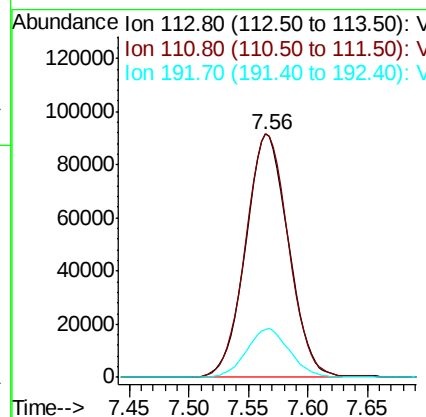
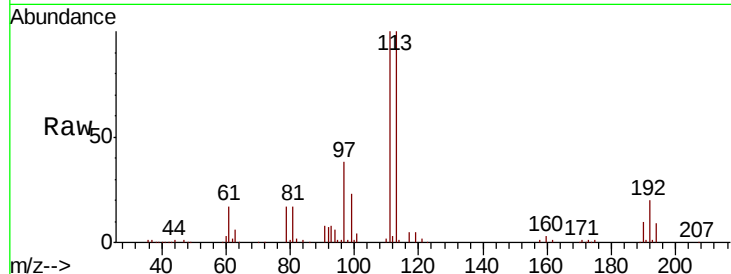
#35
Dibromofluoromethane
Concen: 50.649 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227822		
111	100.8	82.8	124.2	
192	20.0	16.1	24.1	

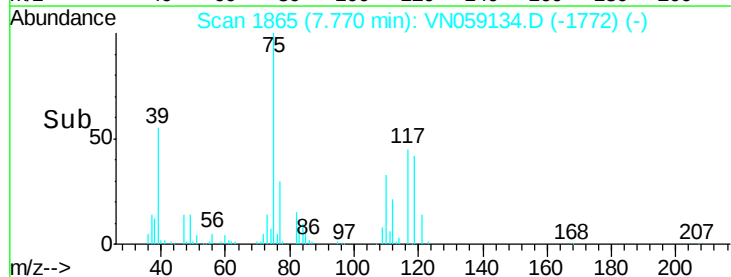
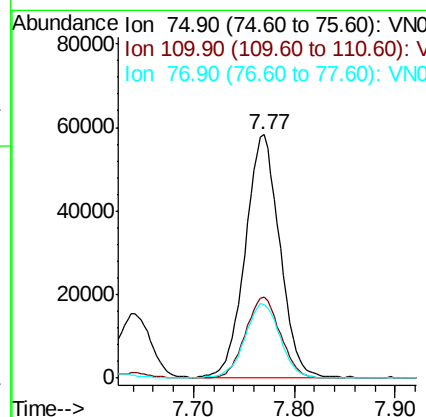
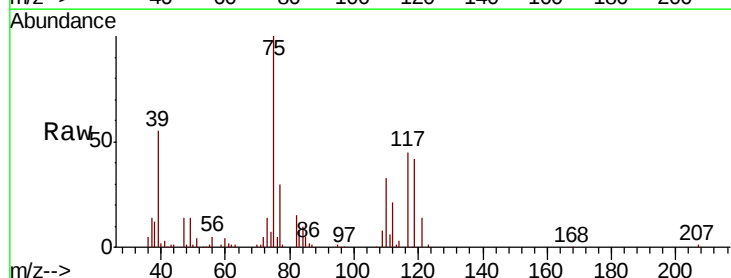
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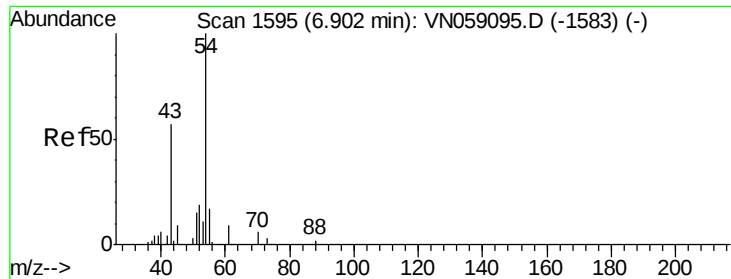
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#36
1,1-Dichloropropene
Concen: 19.446 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	136924		
110	33.7	17.1	51.2	
77	31.3	24.8	37.2	





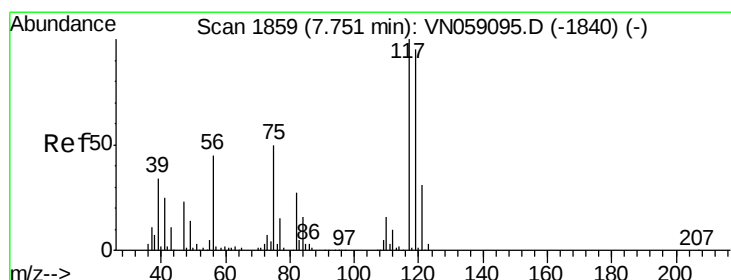
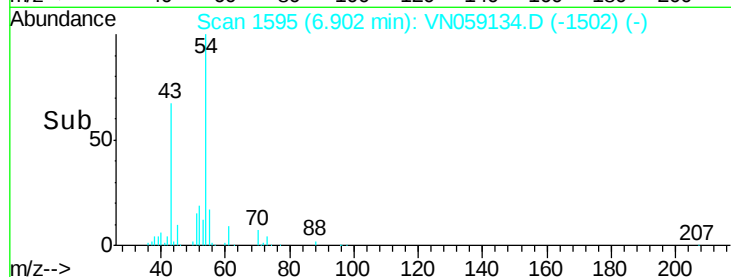
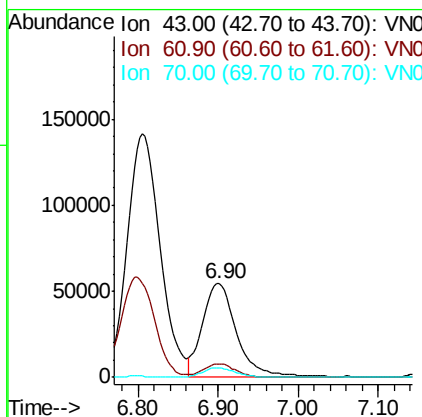
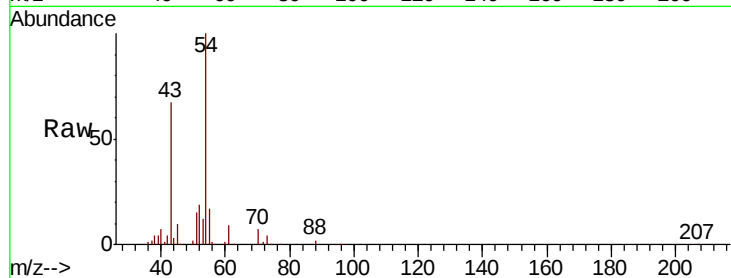
#37
Ethyl Acetate
Concen: 20.331 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	10.1	7.8	11.8

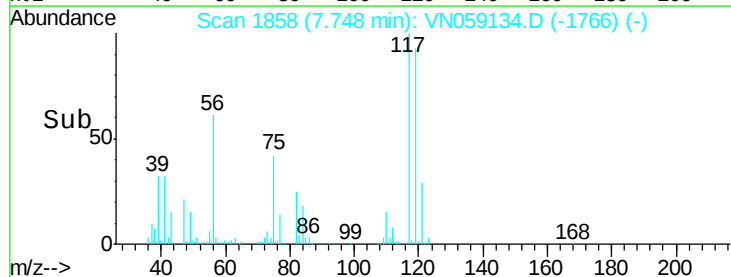
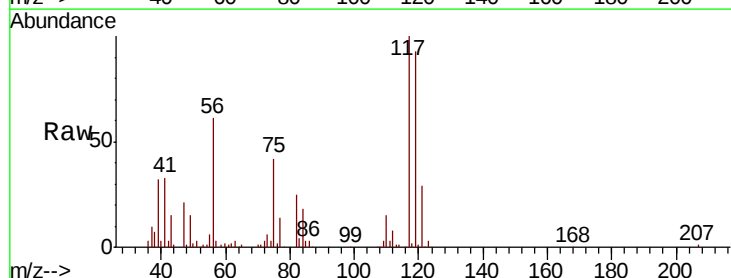
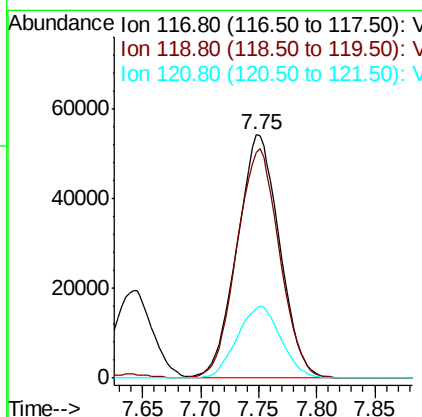
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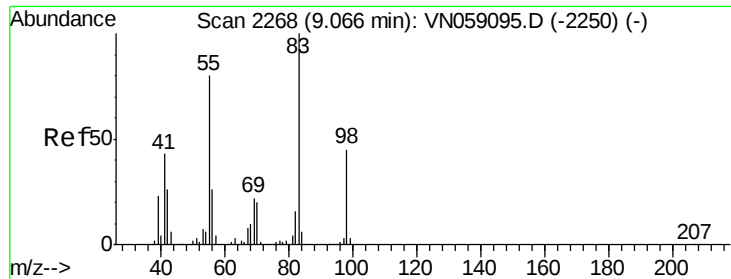
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#38
Carbon Tetrachloride
Concen: 19.738 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.6	113.4
121	28.7	24.6	36.8





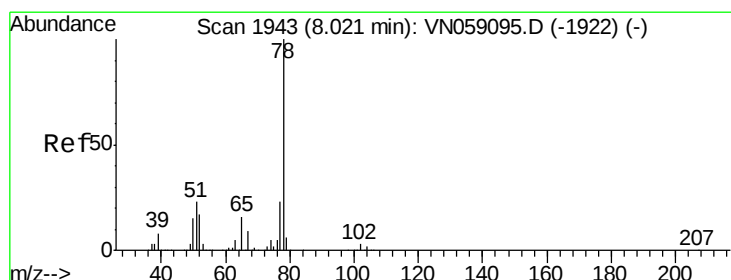
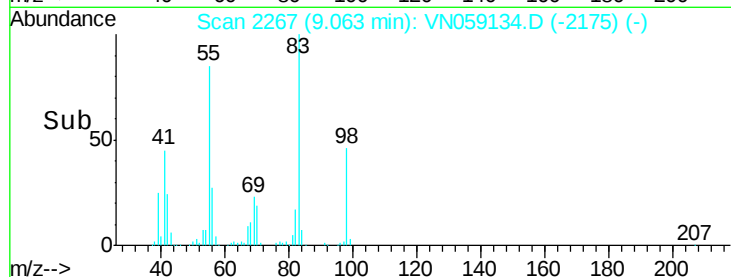
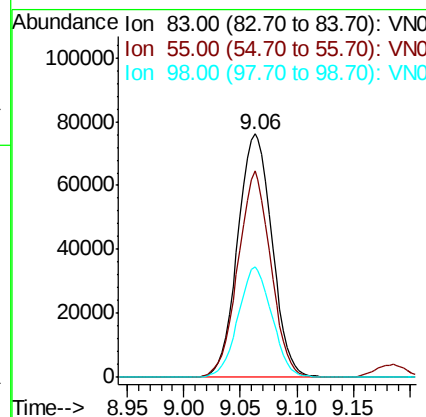
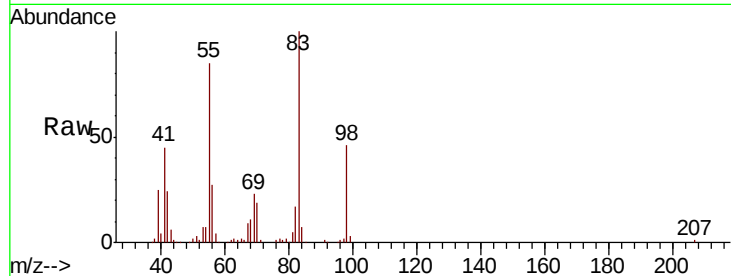
#39
Methvlcvclohexane
Concen: 19.729 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.8	63.9	95.9
98	45.6	35.6	53.4

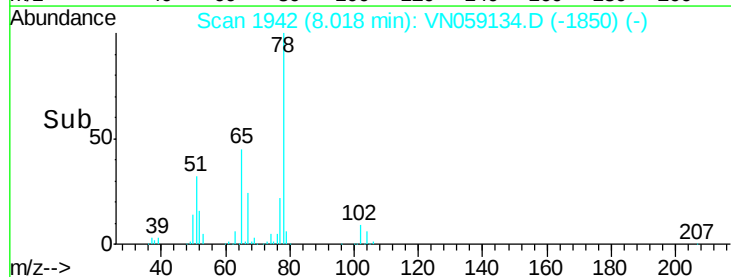
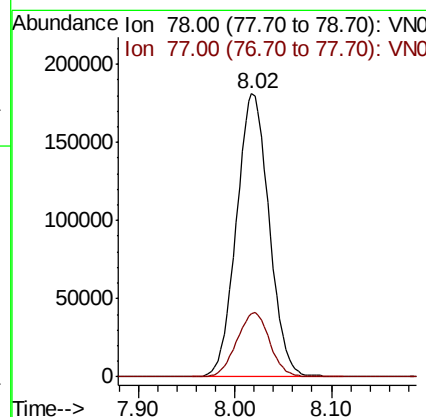
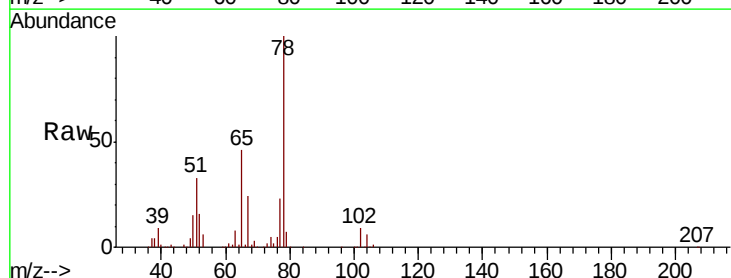
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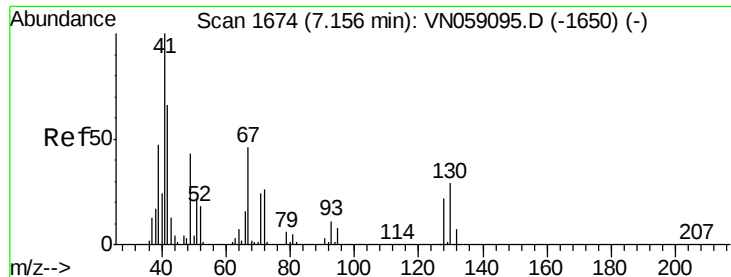
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#40
Benzene
Concen: 20.043 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.8	28.2





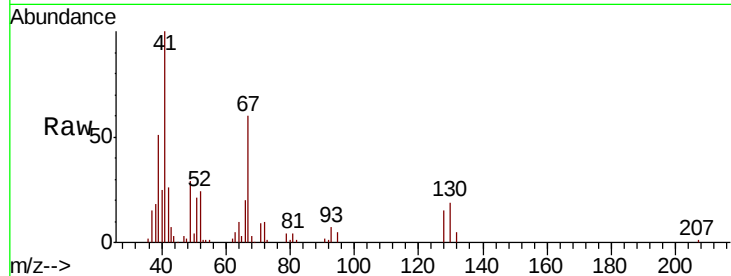
#41
Methacrylonitrile
Concen: 18.355 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

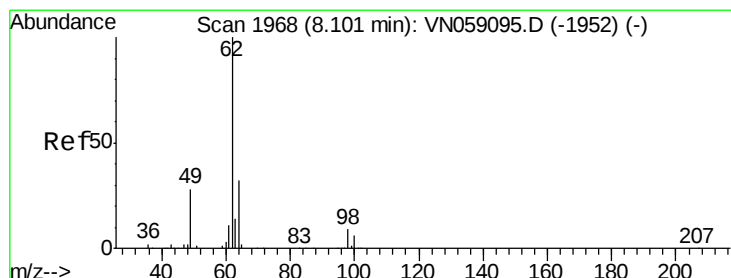
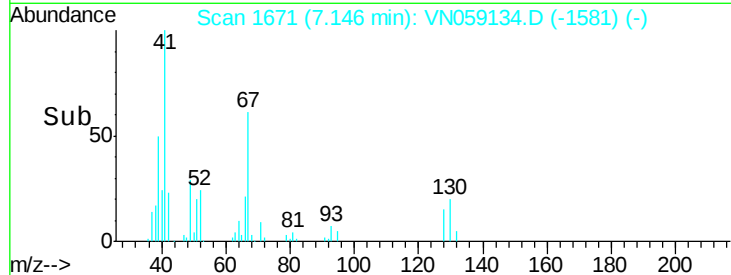
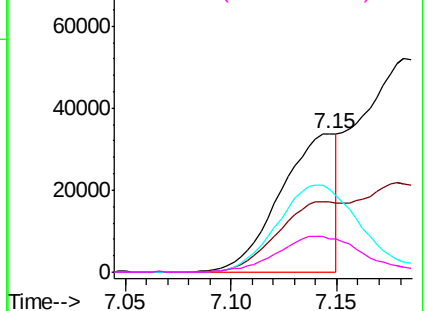
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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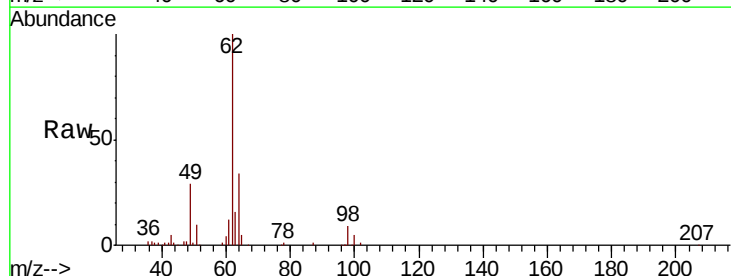


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

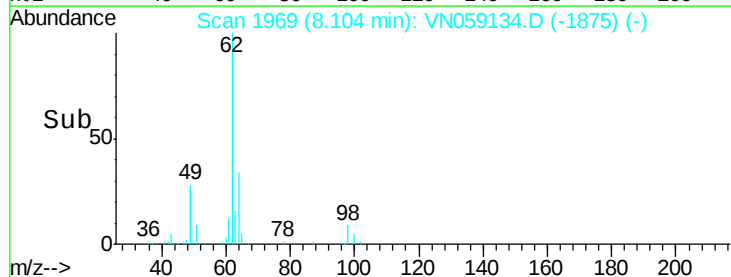
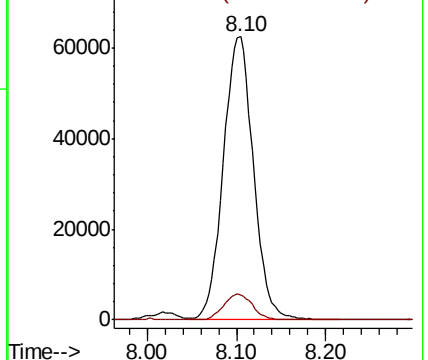


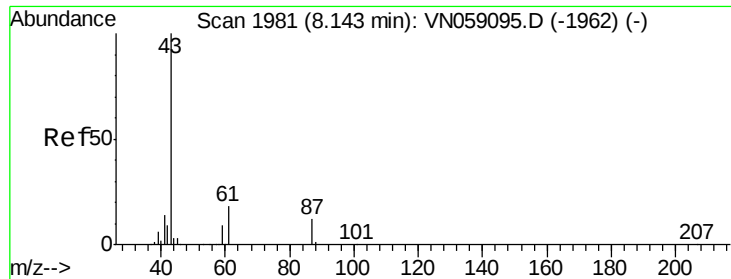
#42
1,2-Dichloroethane
Concen: 20.119 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





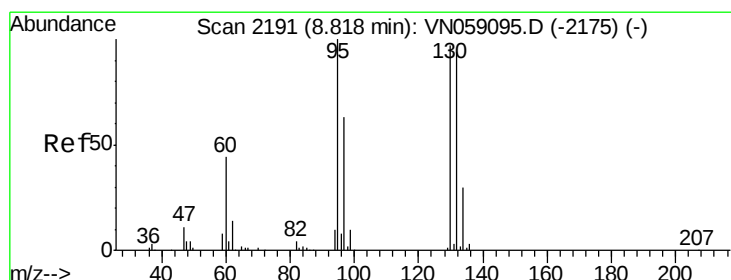
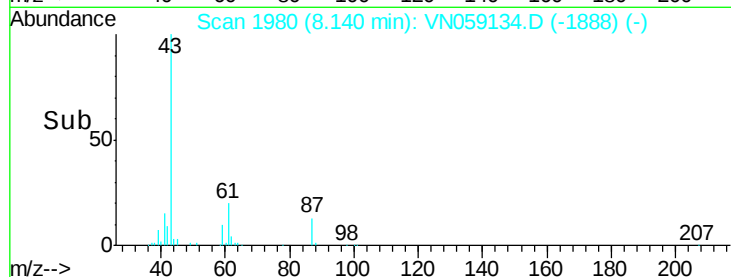
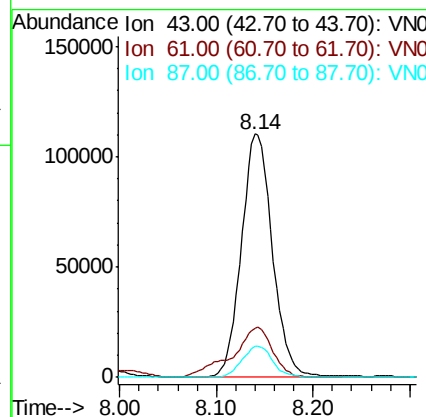
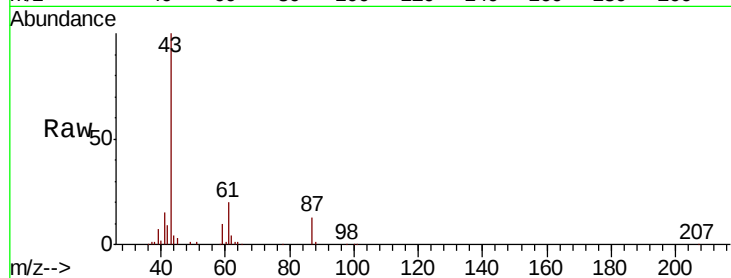
#43
Isopropyl Acetate
Concen: 19.575 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.0	21.0	31.6
87	12.6	9.8	14.6

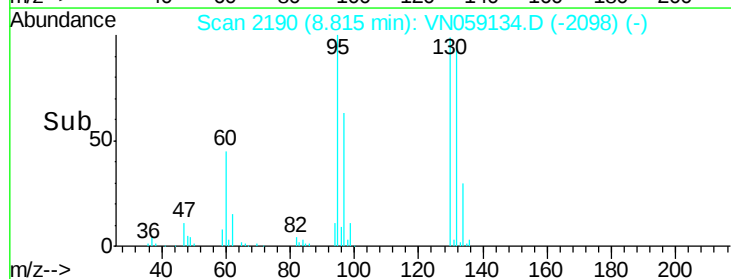
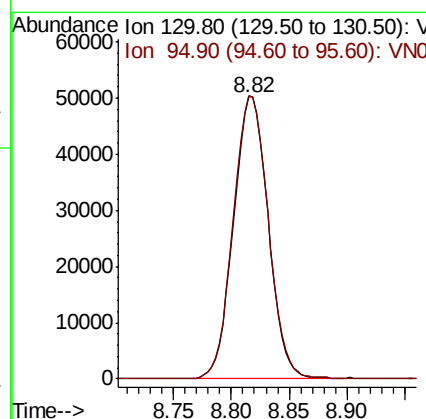
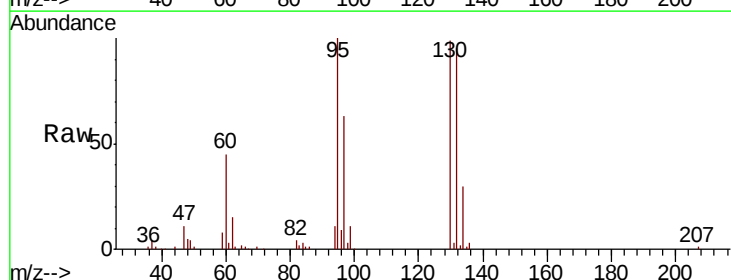
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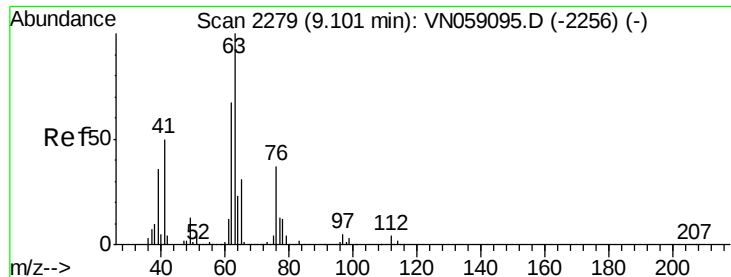
MMDadoda
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#44
Trichloroethene
Concen: 20.029 ug/l
RT: 8.82 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	206.4





#45

1,2-Dichloropropane

Concen: 20.189 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 63 Resp: 116277

Ion Ratio Lower Upper

63 100

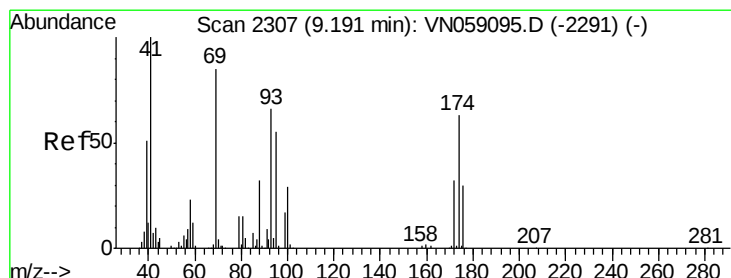
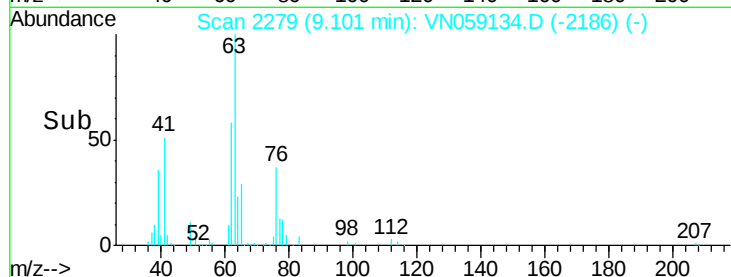
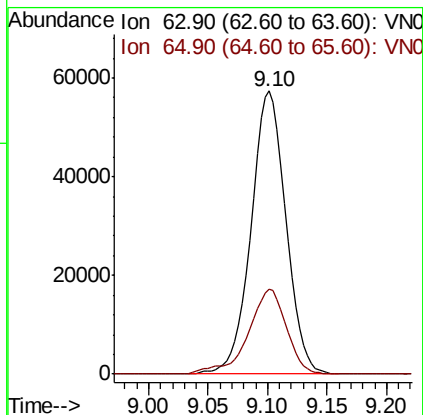
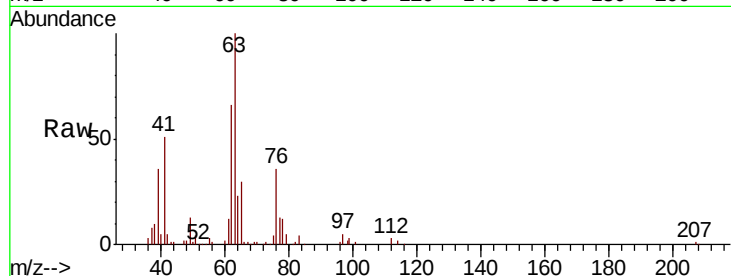
65 30.1 24.6 37.0

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#46

Dibromomethane

Concen: 19.936 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

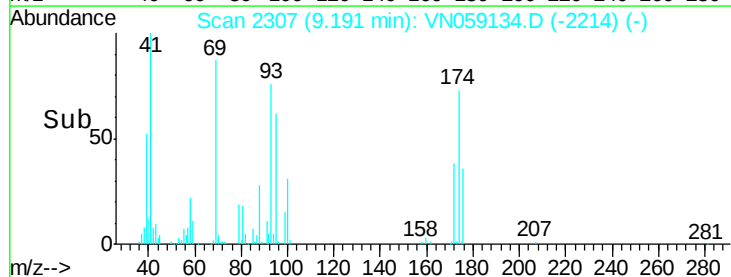
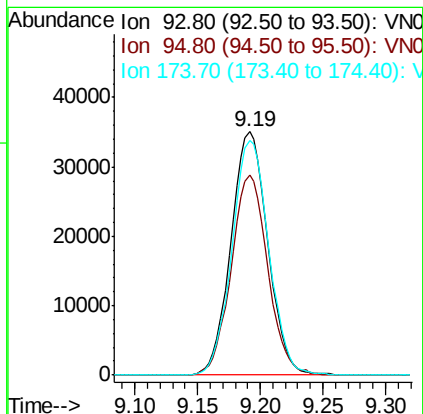
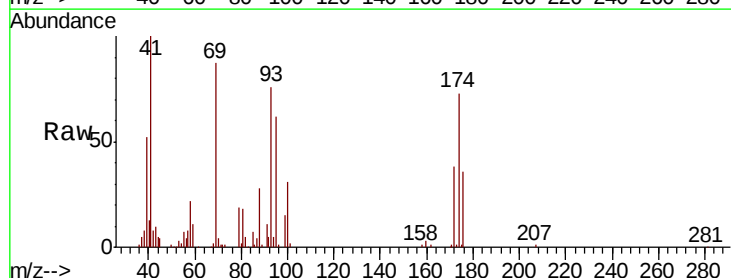
Tgt Ion: 93 Resp: 71551

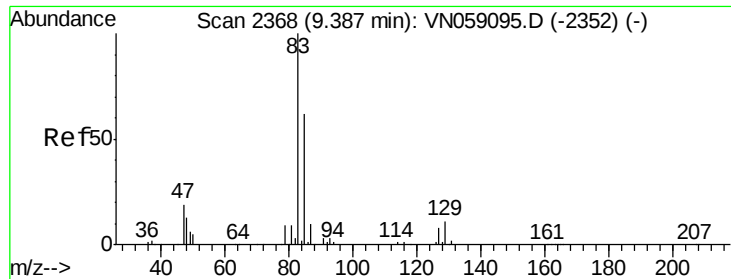
Ion Ratio Lower Upper

93 100

95 81.6 66.6 100.0

174 96.5 78.2 117.2





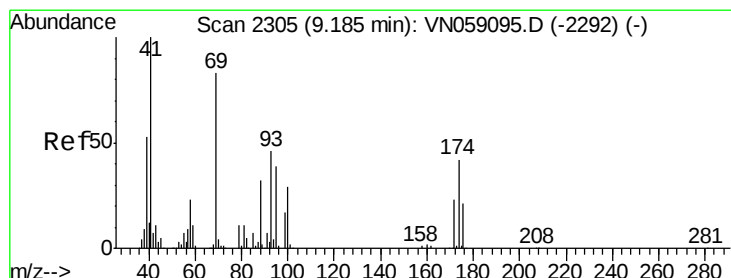
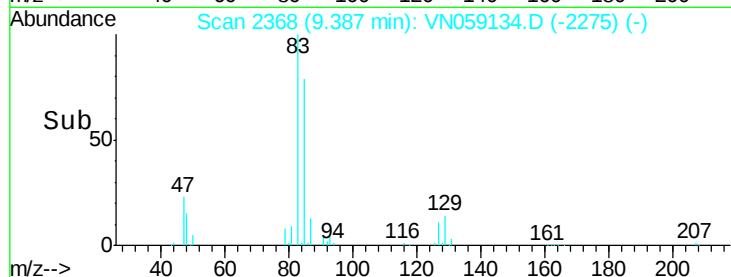
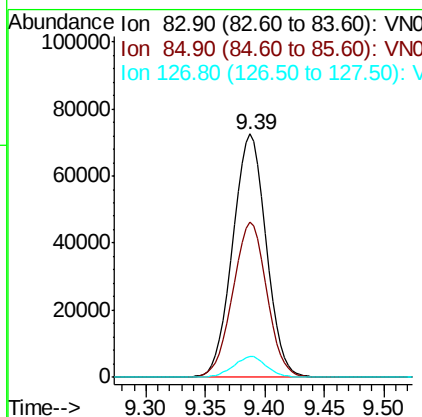
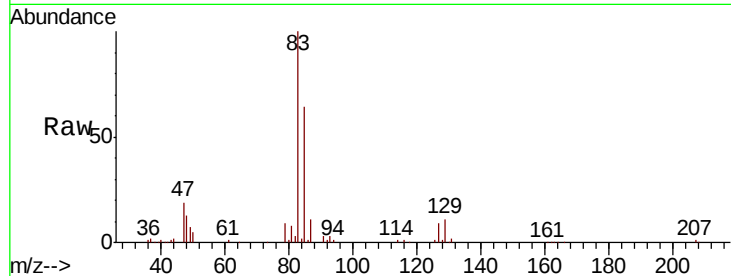
#47
 Bromodichloromethane
 Concen: 19.793 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion	83	Resp	141849
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	49.7	74.5
127	8.6	6.4	9.6

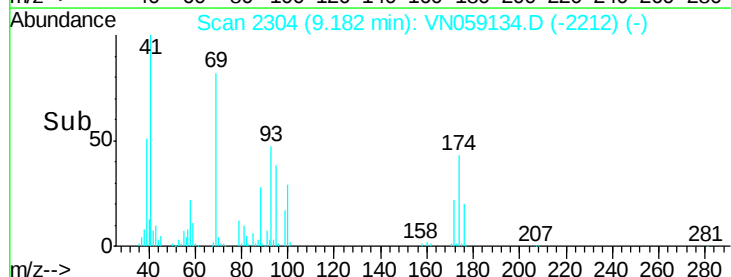
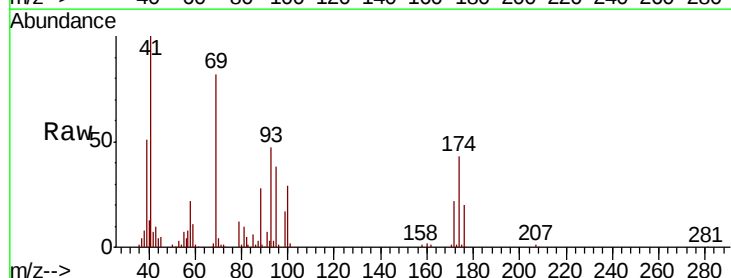
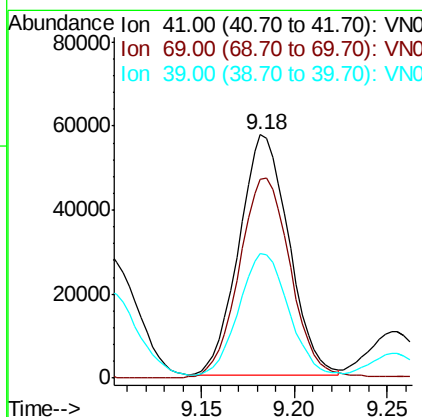
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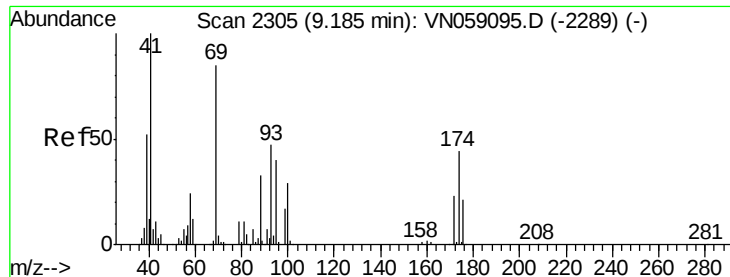
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#48
 Methyl methacrylate
 Concen: 19.173 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	41	Resp	107102
Ion Ratio	100	Lower	Upper
41	100		
69	86.2	67.3	100.9
39	52.4	43.3	64.9





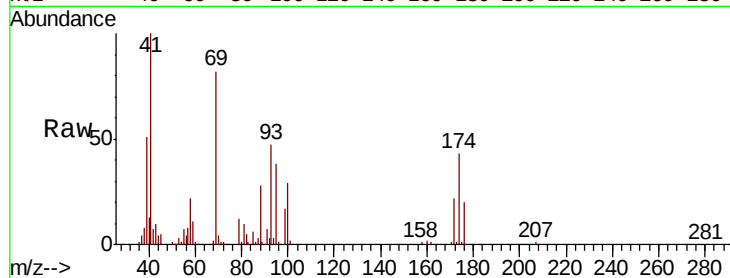
#49
1,4-Dioxane
Concen: 336.139 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	26.3	39.5
58	76.9	60.6	90.8

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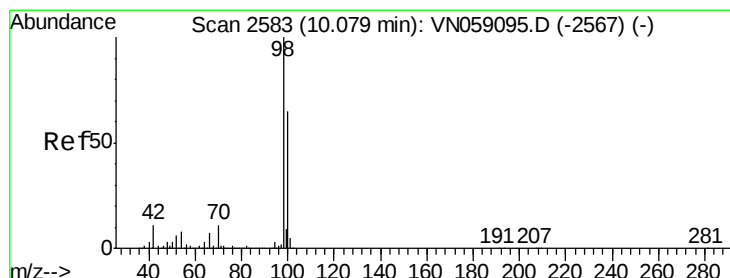
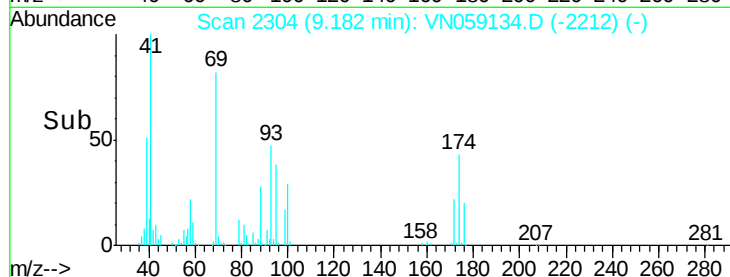
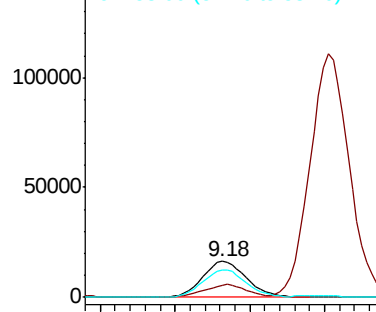


Abundance

Ion 88.00 (87.70 to 88.70): VN0

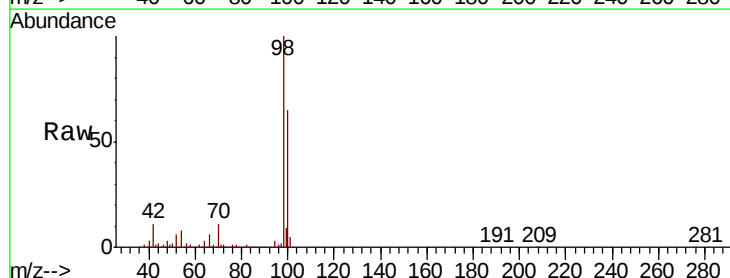
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 50.510 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

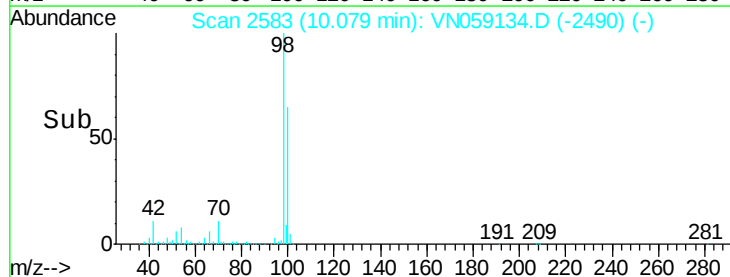
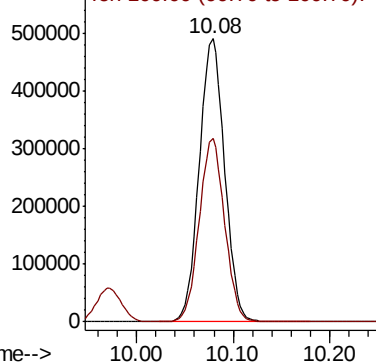
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.2	78.2

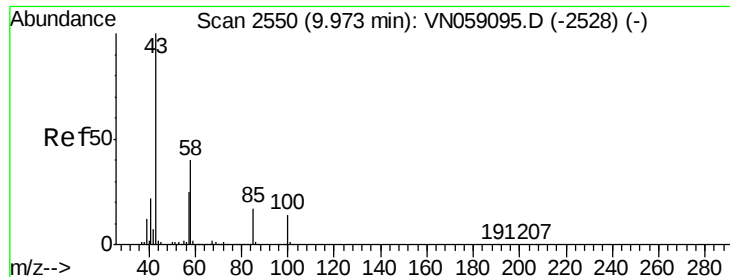


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





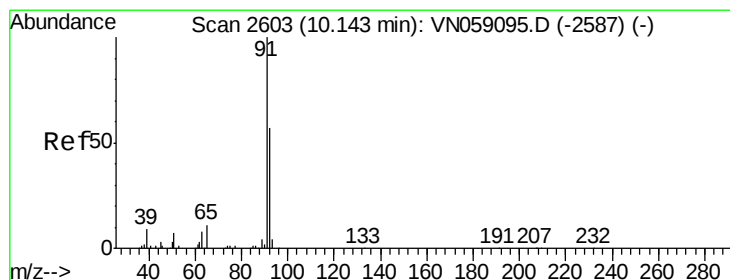
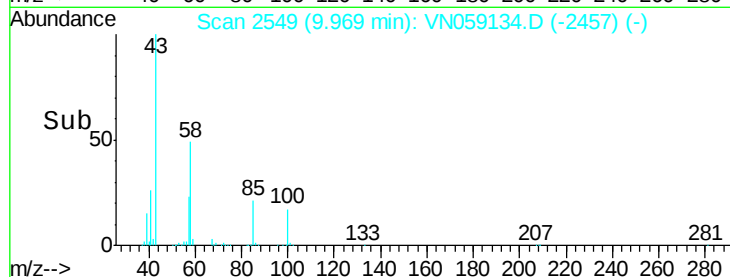
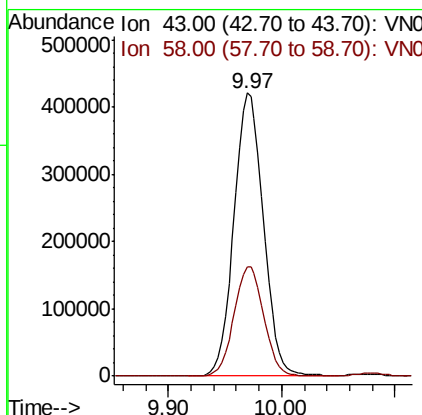
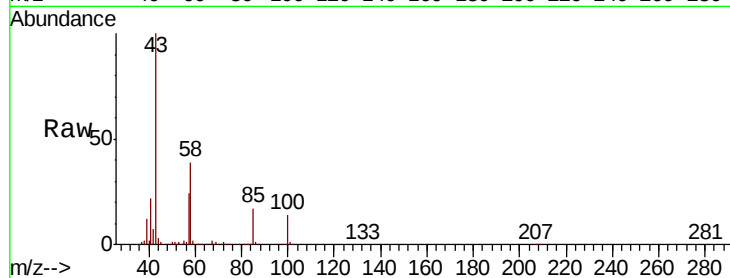
#51
4-Methyl-2-Pentanone
Concen: 108.166 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.5	47.3

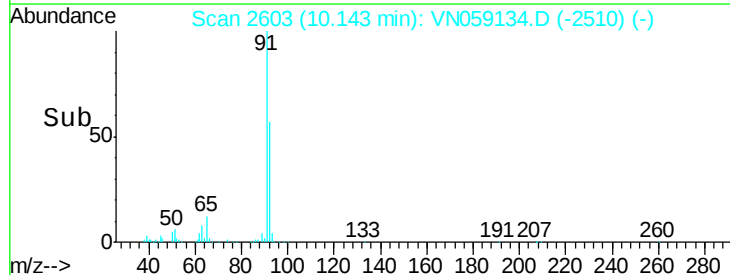
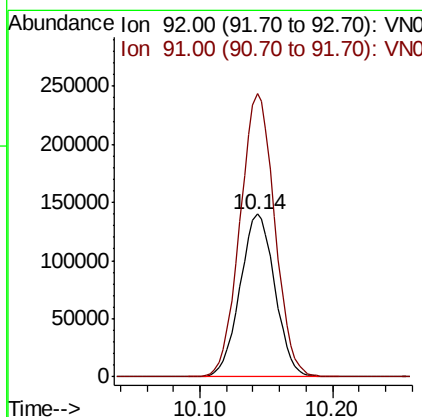
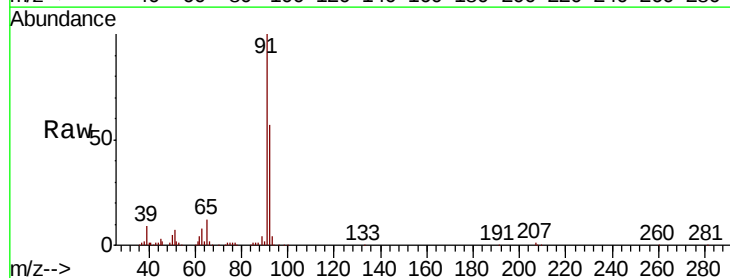
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#52
Toluene
Concen: 20.092 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	139.5	209.3





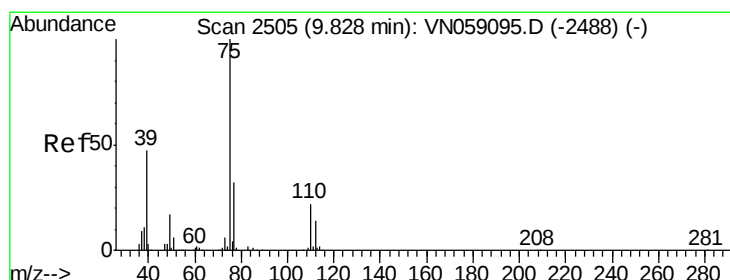
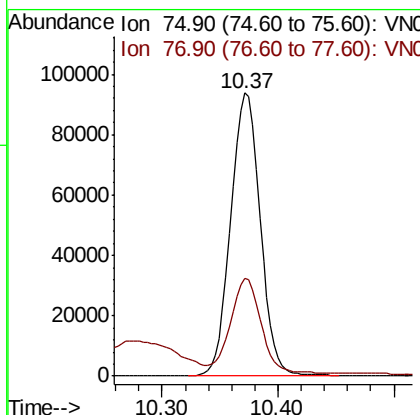
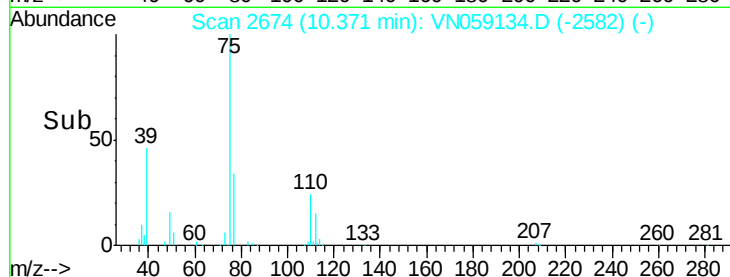
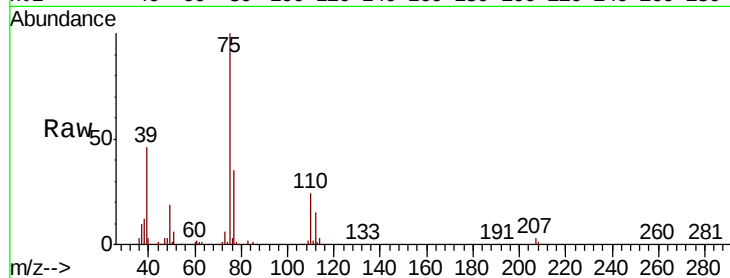
#53
t-1,3-Dichloropropene
Concen: 19.845 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion: 75 Resp: 164308
Ion Ratio Lower Upper
75 100
77 33.5 25.3 37.9

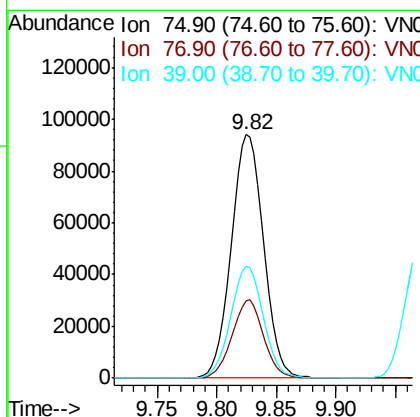
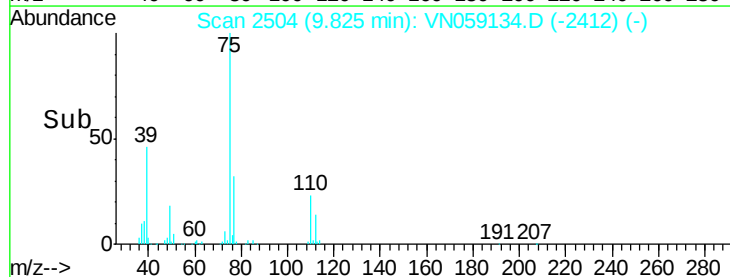
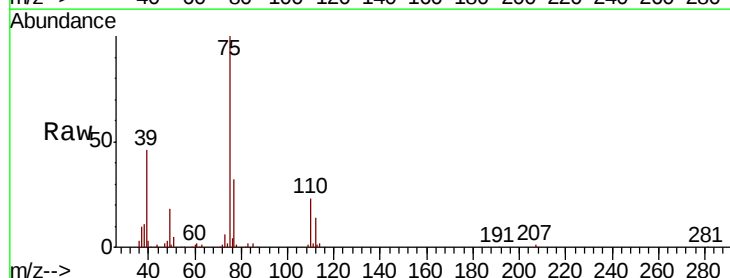
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#54
cis-1,3-Dichloropropene
Concen: 19.895 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion: 75 Resp: 177196
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 46.1 37.3 55.9





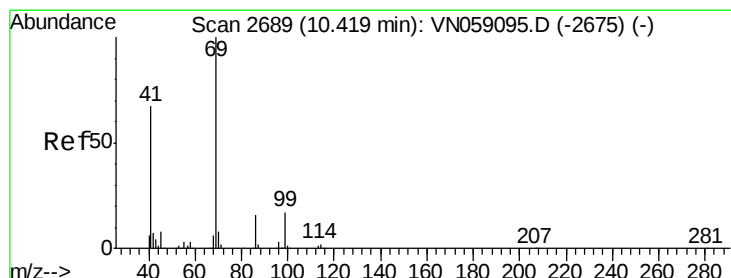
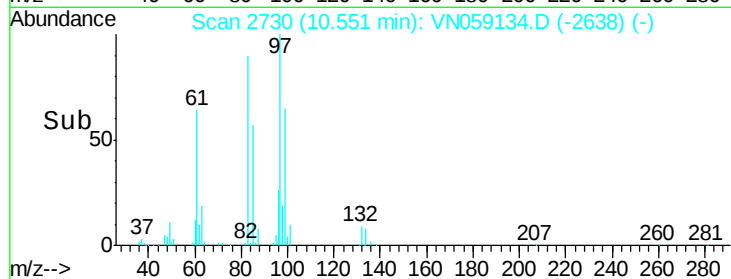
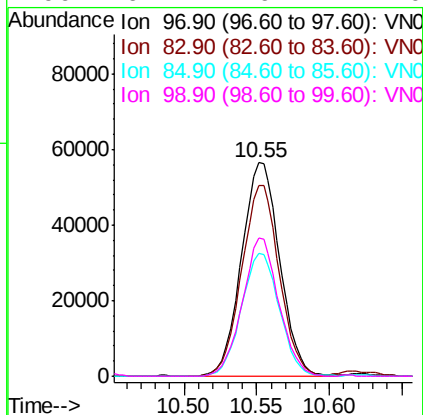
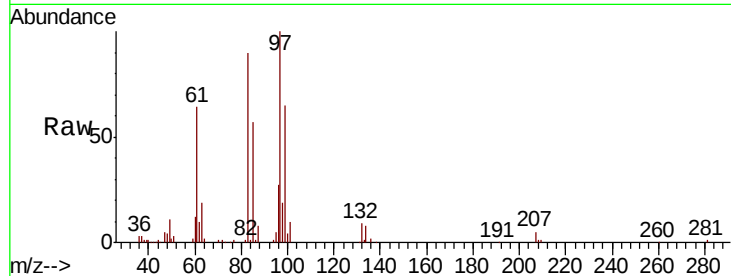
#55
 1,1,2-Trichloroethane
 Concen: 20.181 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.0	106.4
85	57.4	45.8	68.8
99	64.7	49.4	74.0

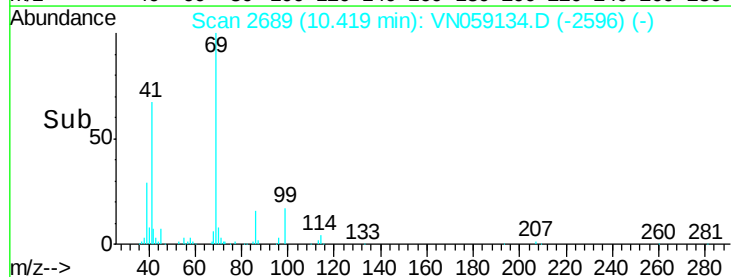
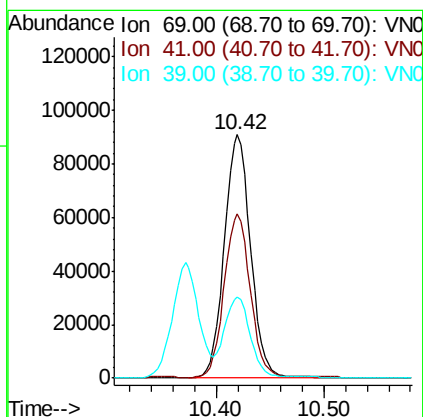
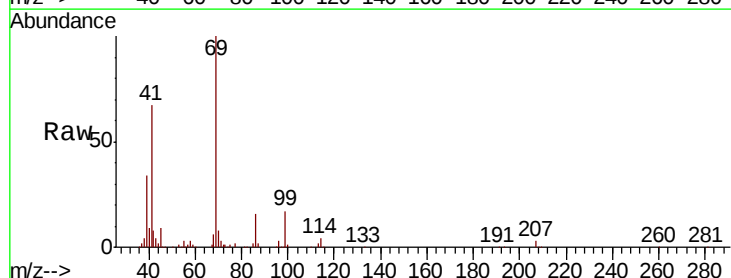
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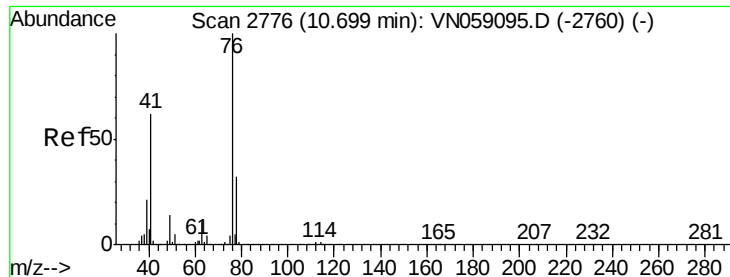
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#56
 Ethyl methacrylate
 Concen: 19.213 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.6	80.4
39	32.5	26.2	39.4





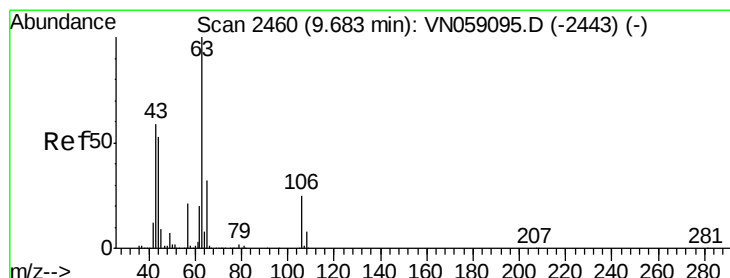
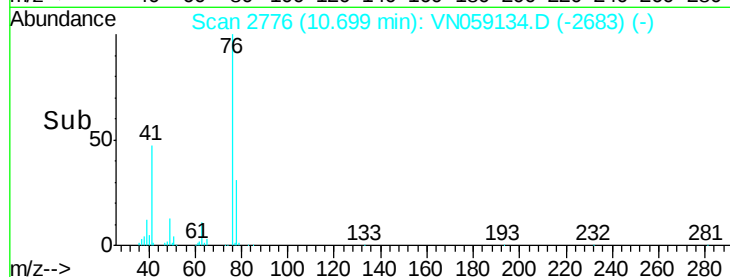
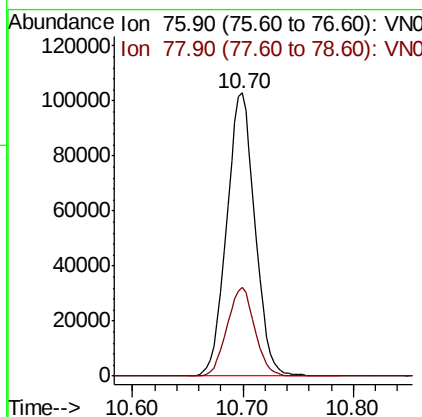
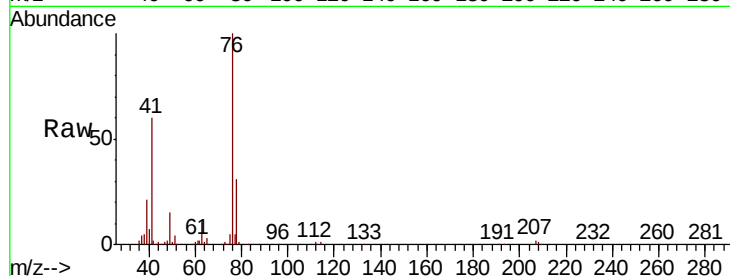
#57
 1,3-Dichloropropane
 Concen: 20.605 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.9	25.8	38.8

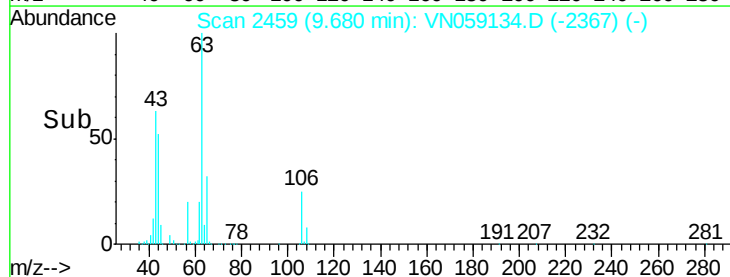
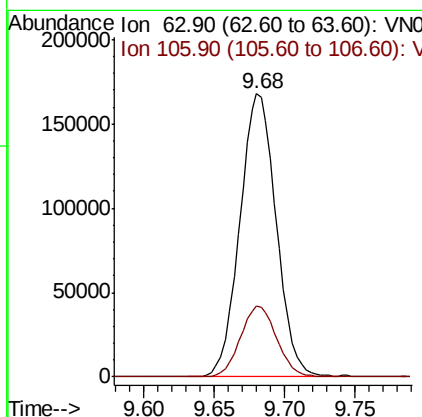
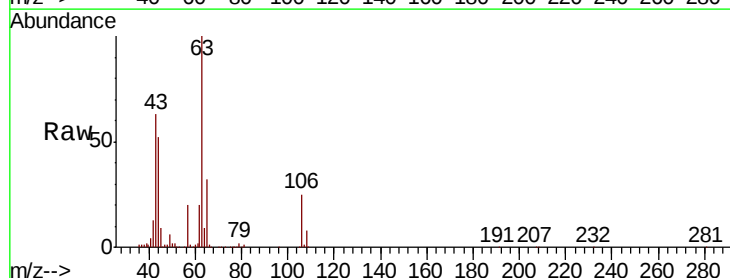
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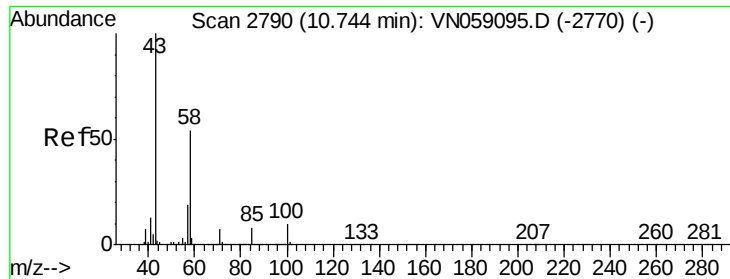
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.919 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.8	20.2	30.2





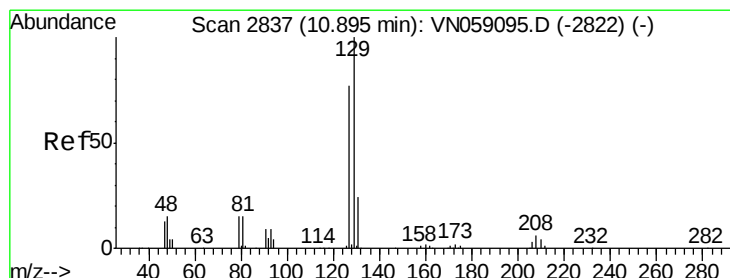
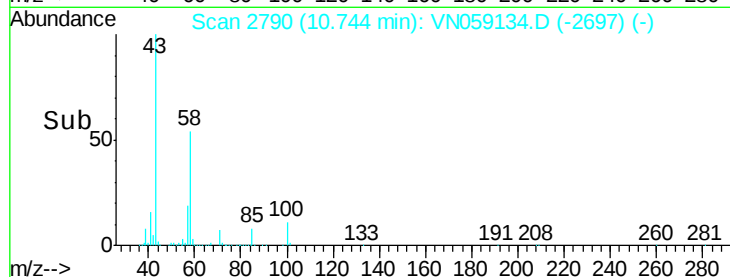
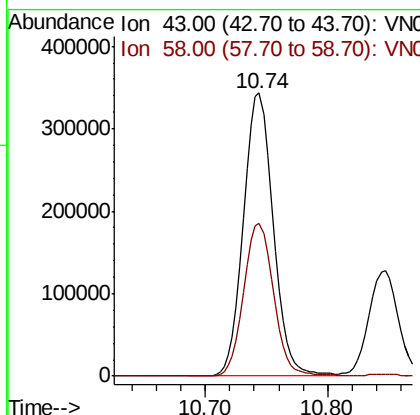
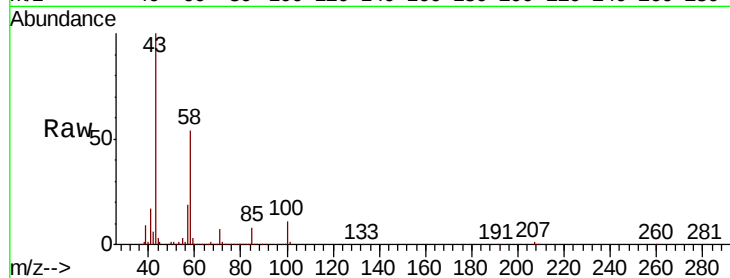
#59
2-Hexanone
Concen: 106.383 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	27.3	81.8

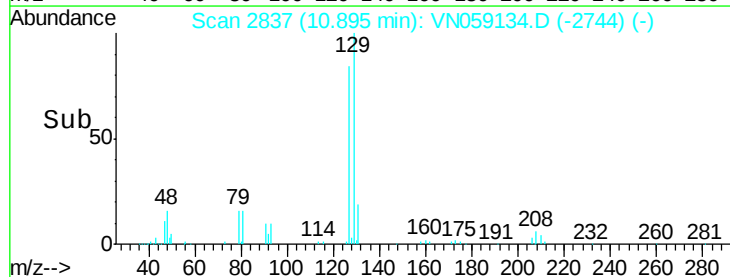
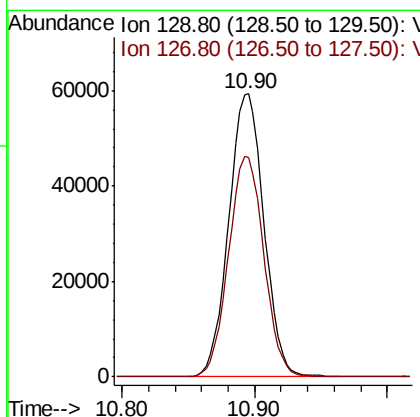
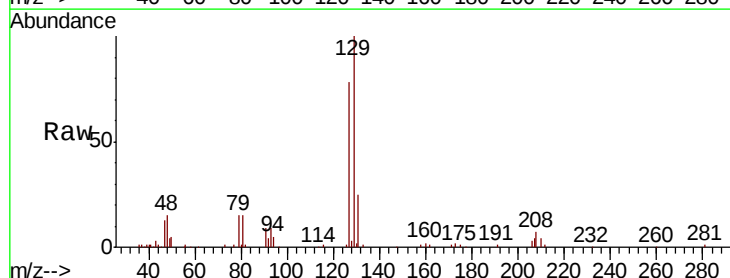
Manual Integrations
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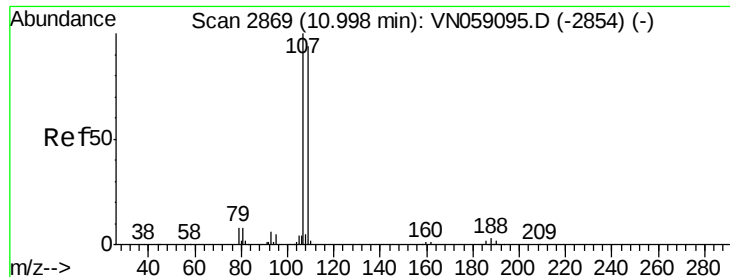
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11/11/2019 10:35:08 AM



#60
Dibromochloromethane
Concen: 20.116 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8





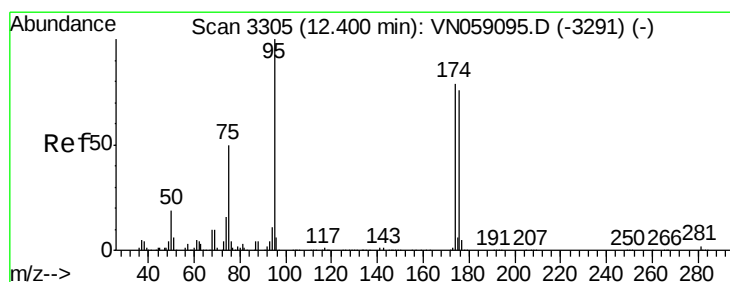
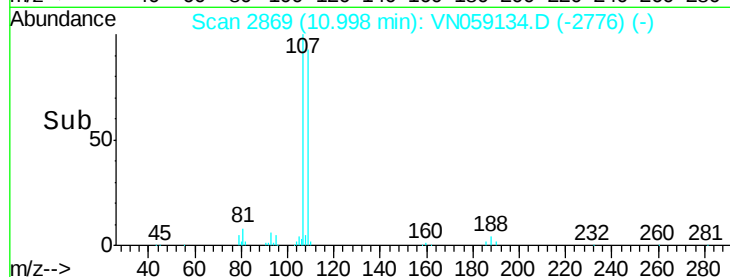
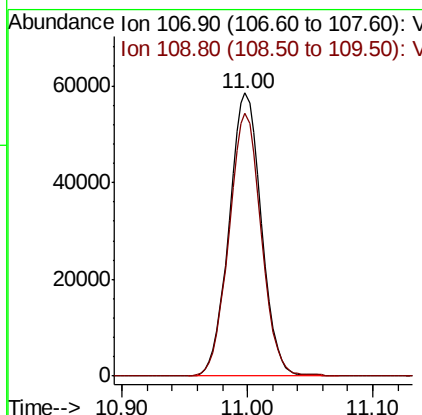
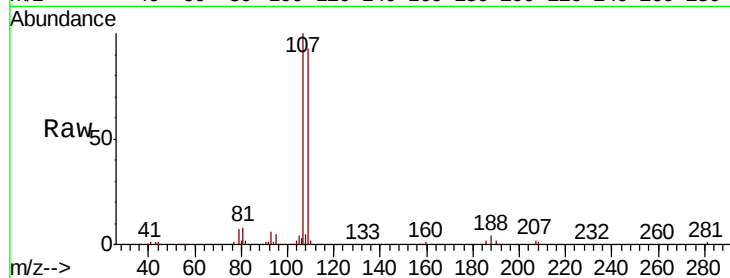
#61
 1,2-Dibromoethane
 Concen: 20.042 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.5	113.3

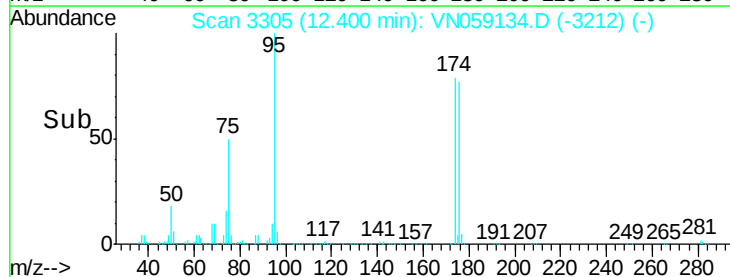
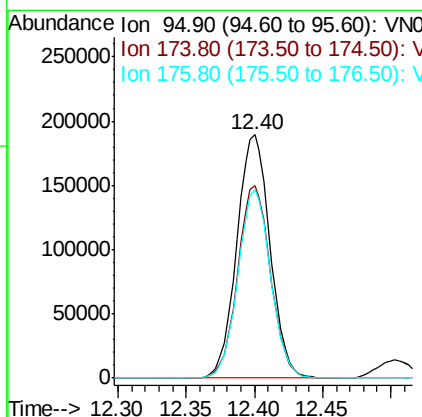
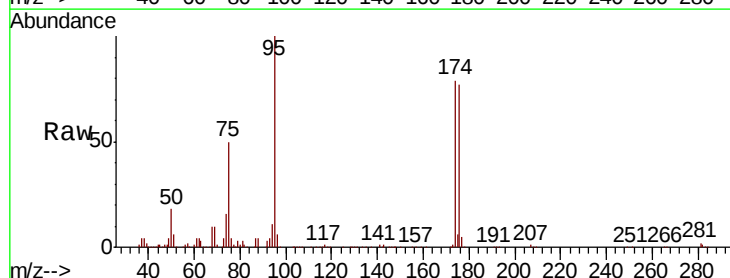
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#62
 4-Bromofluorobenzene
 Concen: 50.137 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	158.2
176	76.0	0.0	151.8





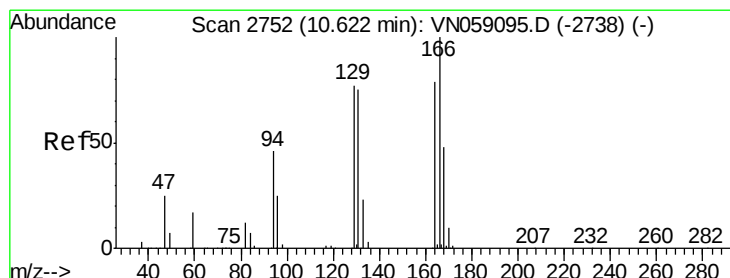
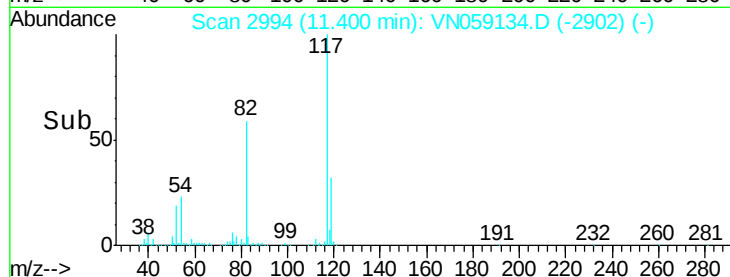
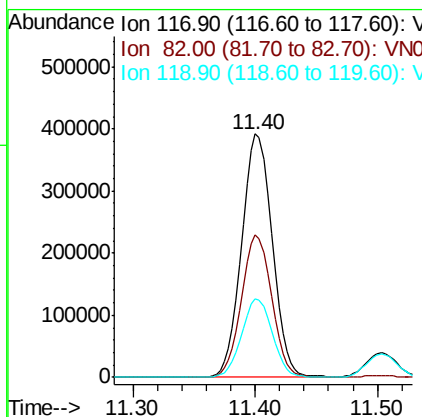
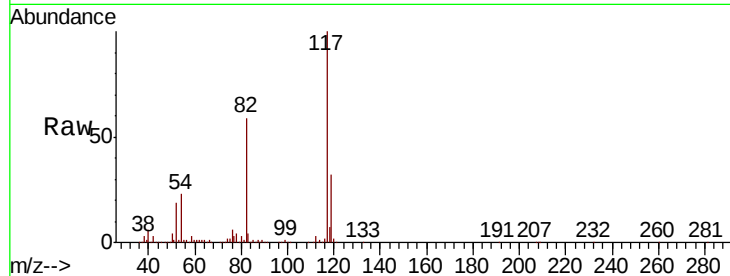
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.8	68.8
119	32.2	25.8	38.6

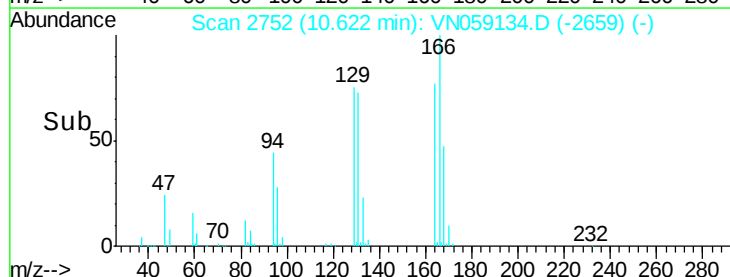
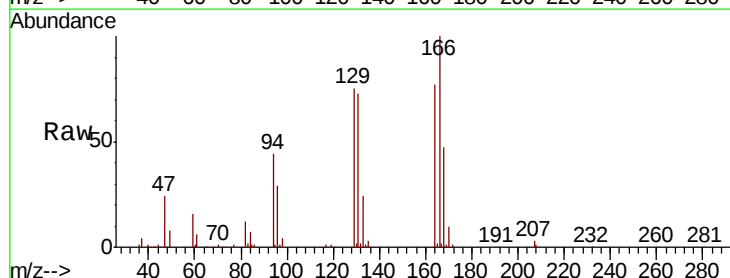
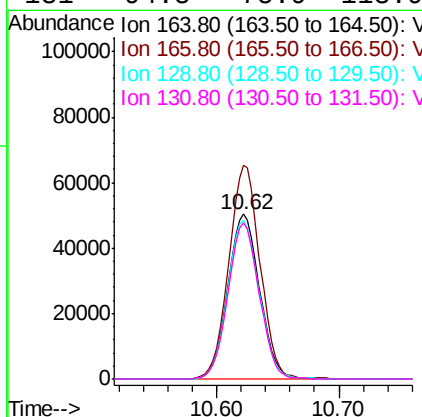
Manual Integrations
APPROVED

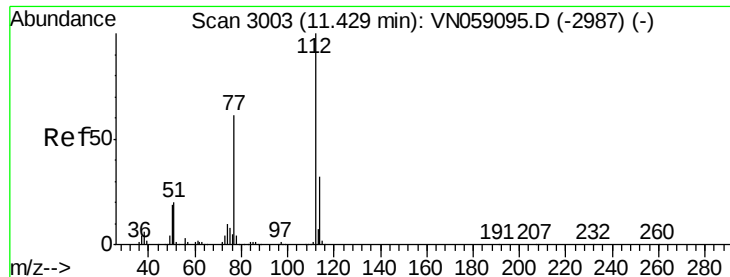
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#64
Tetrachloroethene
Concen: 19.873 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.5	152.3
129	96.7	78.3	117.5
131	94.5	75.9	113.9





#65

Chlorobenzene

Concen: 20.223 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion:112 Resp: 267482

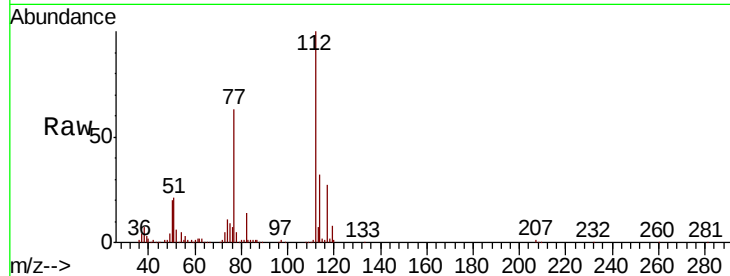
Ion Ratio Lower Upper

112 100

114 31.7 25.2 37.8

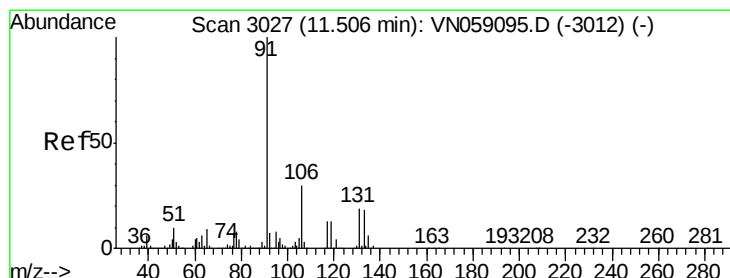
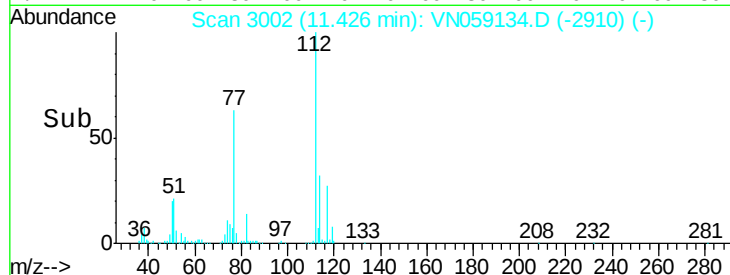
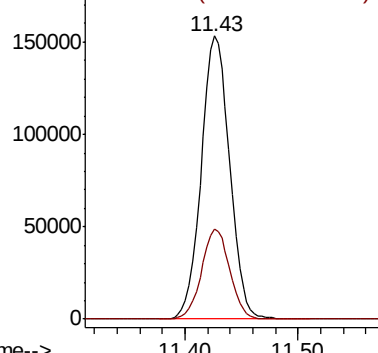
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.374 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

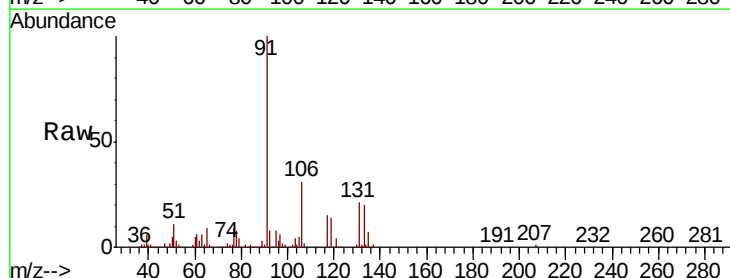
Tgt Ion:131 Resp: 101088

Ion Ratio Lower Upper

131 100

133 96.1 47.4 142.3

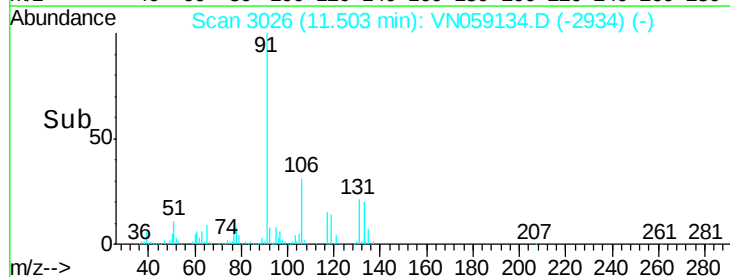
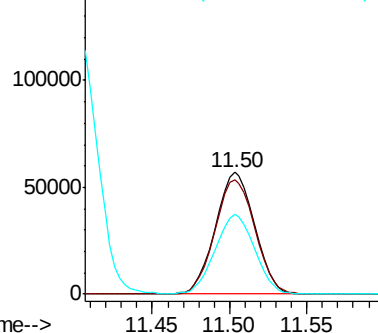
119 66.0 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.500 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 91 Resp: 481080

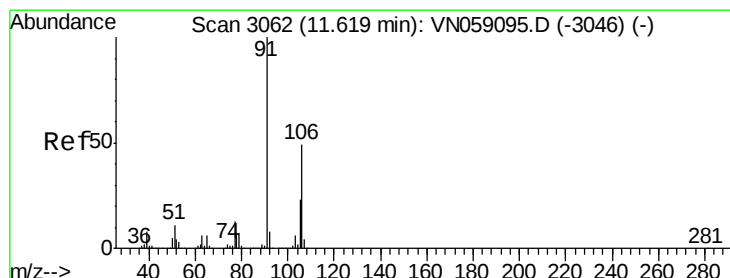
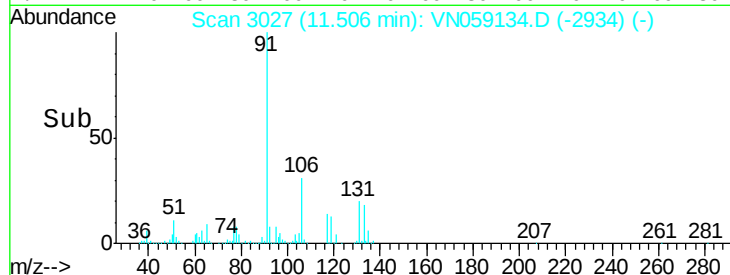
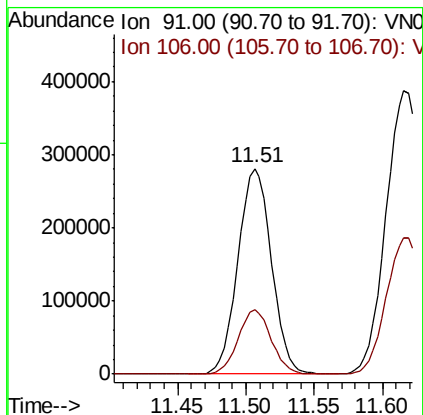
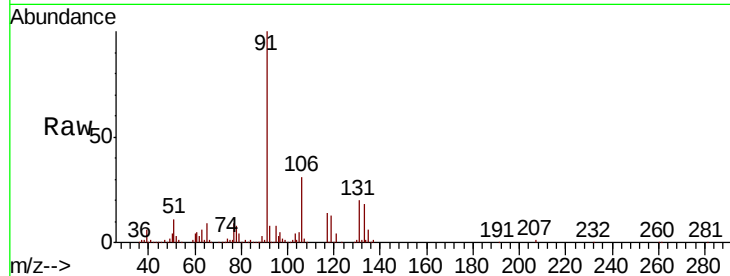
Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 40.942 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059134.D

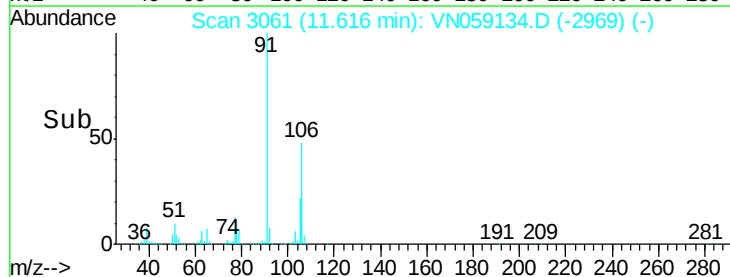
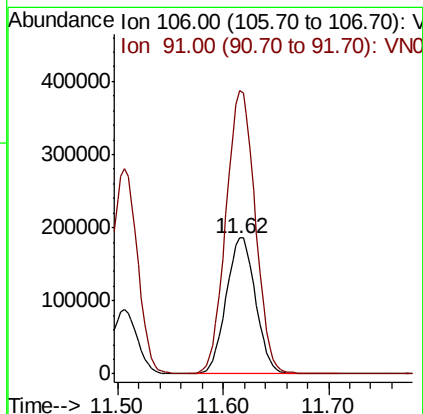
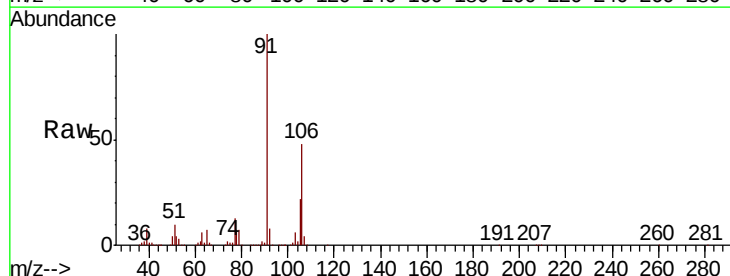
Acq: 8 Nov 2019 10:31

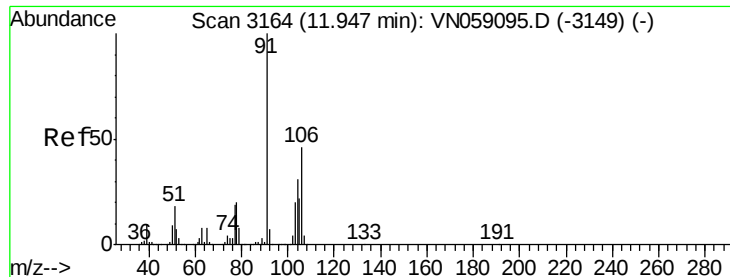
Tgt Ion: 106 Resp: 359896

Ion Ratio Lower Upper

106 100

91 206.7 164.7 247.1





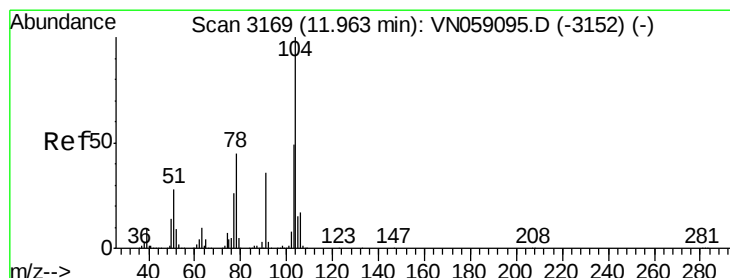
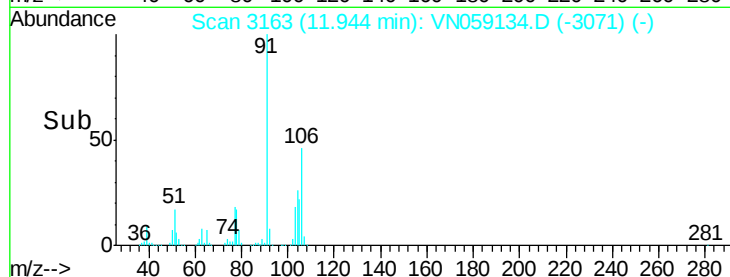
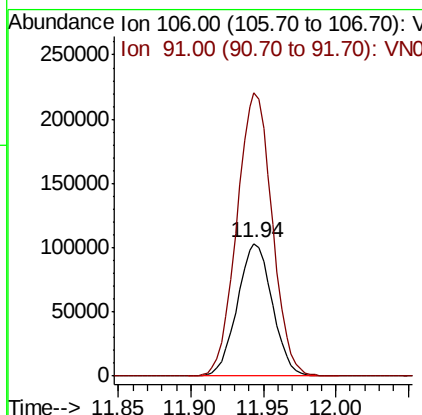
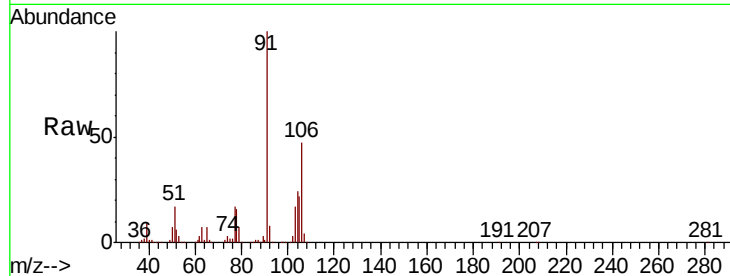
#69
o-Xylene
Concen: 20.367 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion:106 Resp: 173018
Ion Ratio Lower Upper
106 100
91 215.6 110.1 330.3

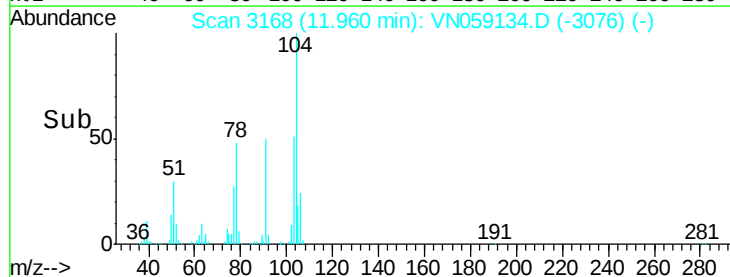
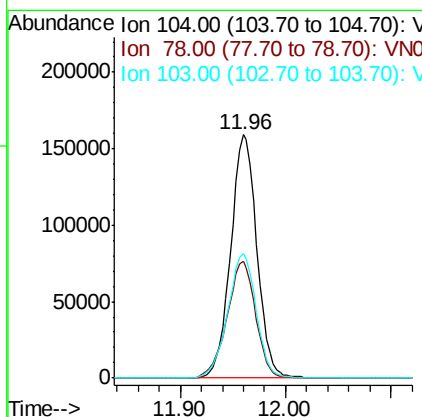
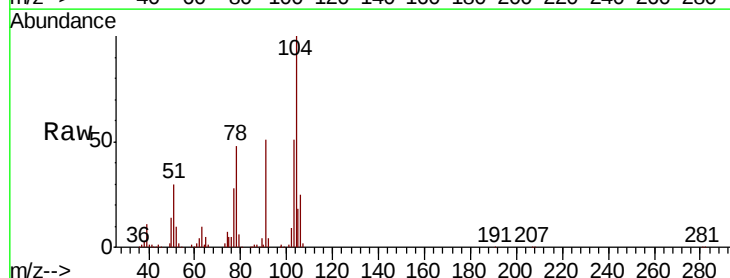
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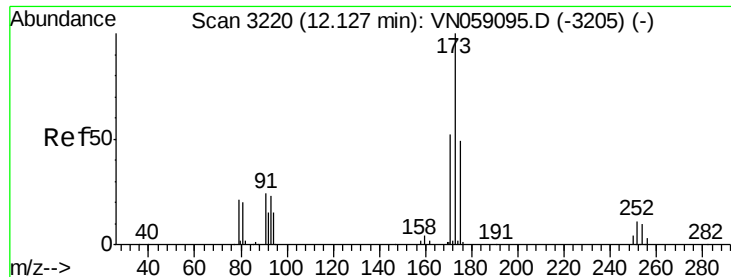
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#70
Styrene
Concen: 20.441 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion:104 Resp: 273107
Ion Ratio Lower Upper
104 100
78 52.5 41.2 61.8
103 55.9 43.8 65.6





#71

Bromoform

Concen: 19.940 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

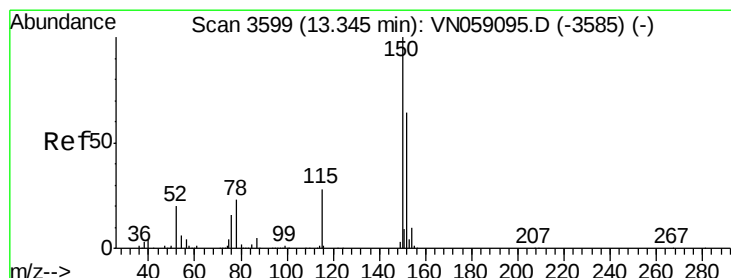
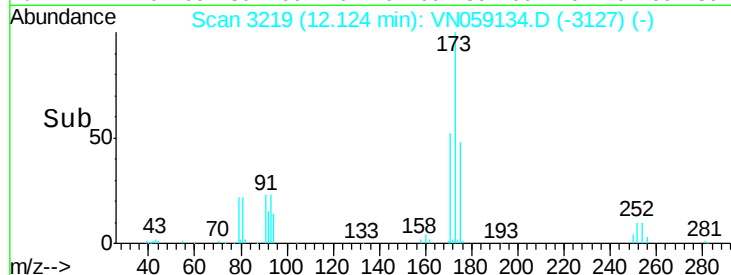
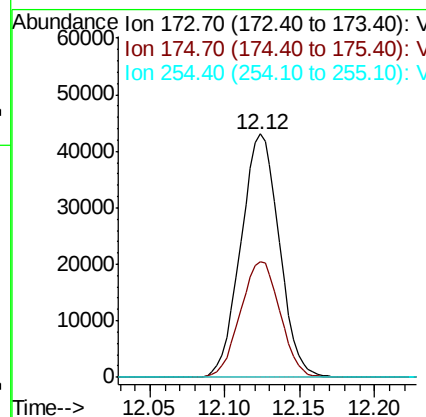
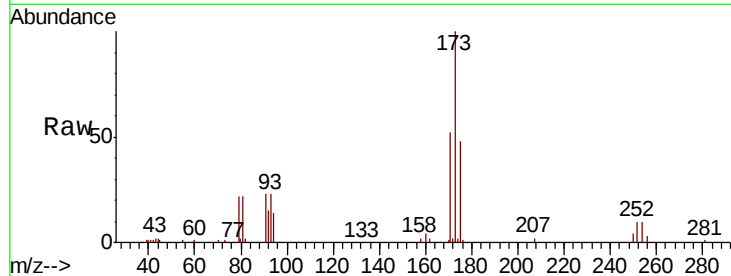
ClientSampleId :

VN1108MBSD01

Tot Ion:	173	Resp:	76955
Ion Ratio	Lower	Upper	
173	100		
175	49.0	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

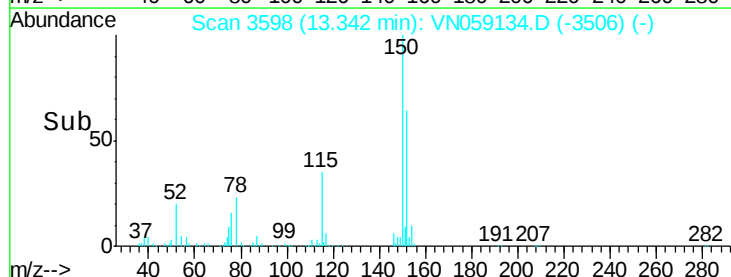
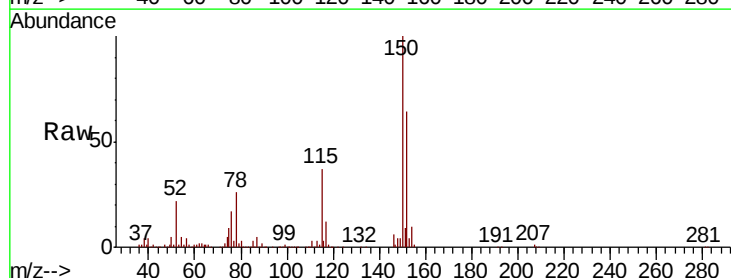
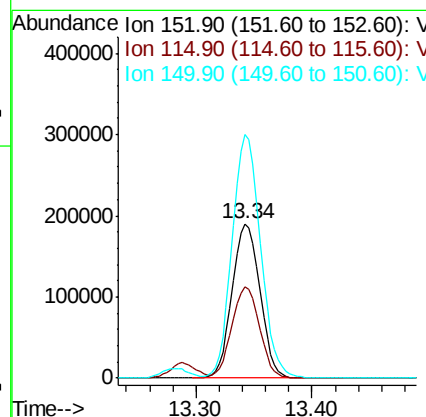
RT: 13.34 min Scan# 3598

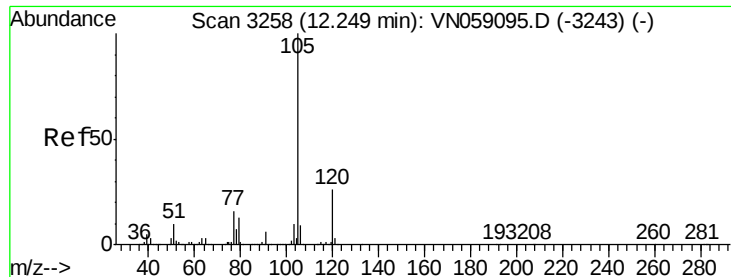
Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	152	Resp:	315402
Ion Ratio	Lower	Upper	
152	100		
115	58.8	29.4	88.2
150	160.4	0.0	345.8





#73

Isopropylbenzene

Concen: 20.235 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion: 105 Resp: 464243

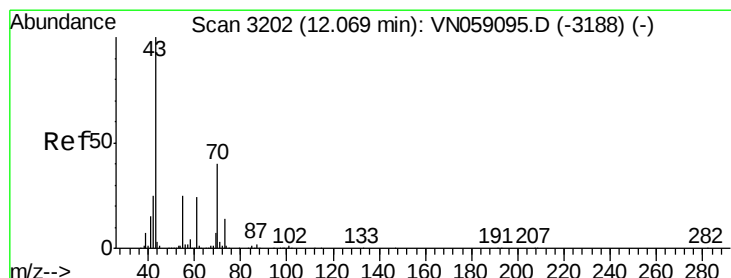
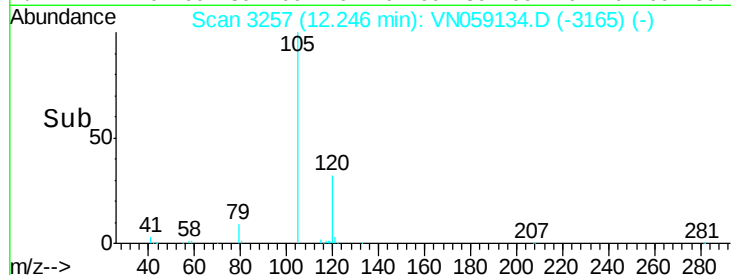
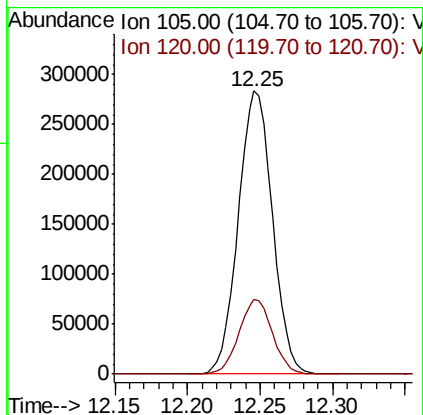
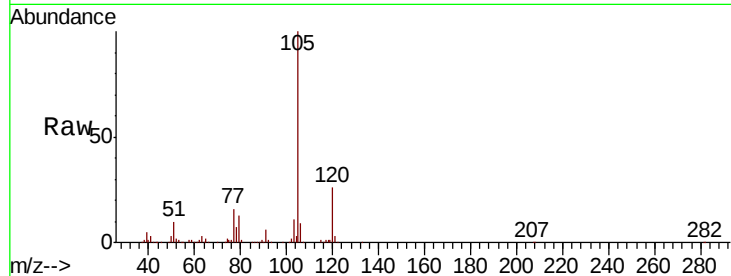
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3

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#74

N-ethyl acetate

Concen: 19.735 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion: 43 Resp: 191852

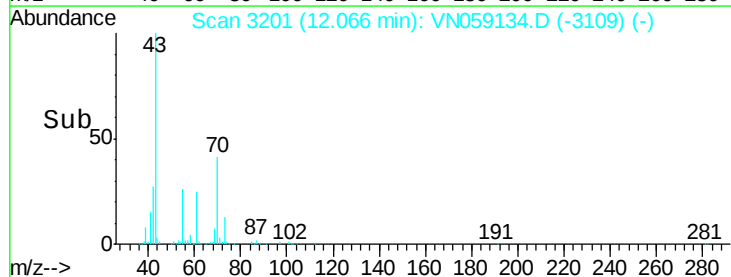
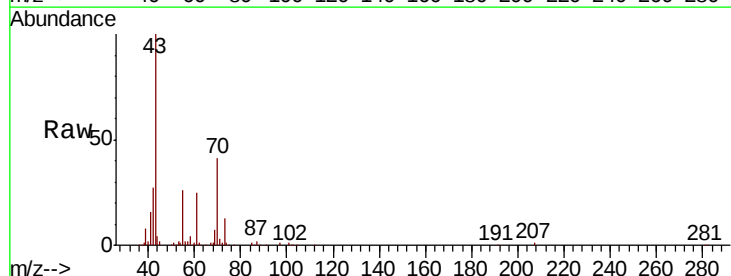
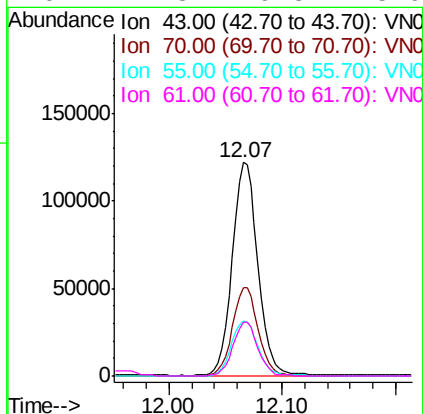
Ion Ratio Lower Upper

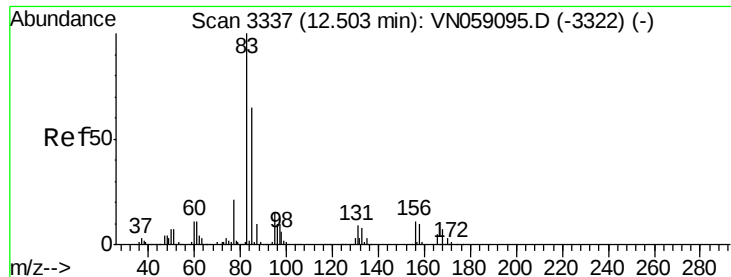
43 100

70 42.0 32.2 48.4

55 27.1 20.4 30.6

61 24.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.978 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

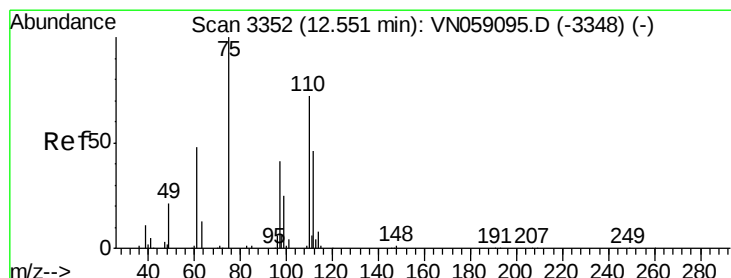
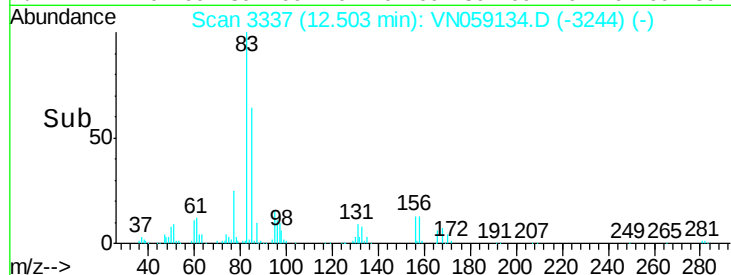
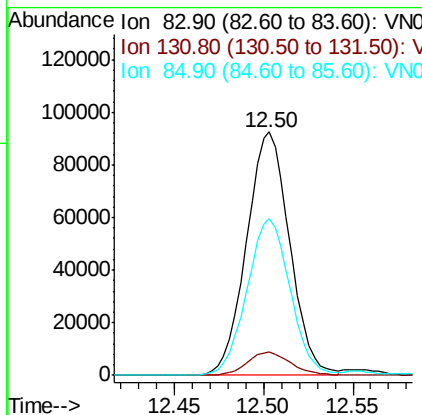
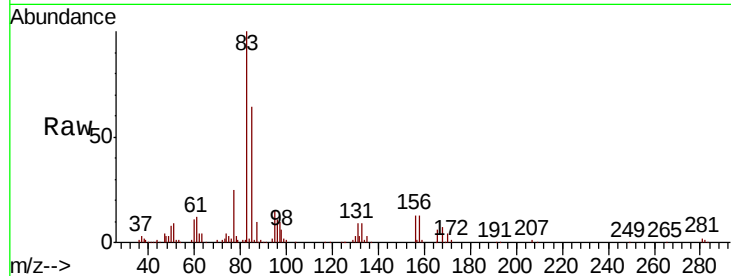
ClientSampleId :

VN1108MBSD01

Tot Ion:	83	Resp:	156084
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	64.4	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.118 ug/l m

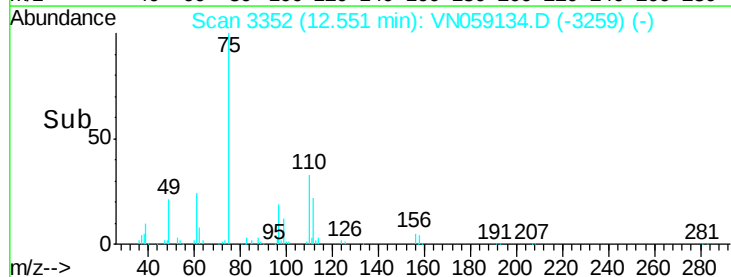
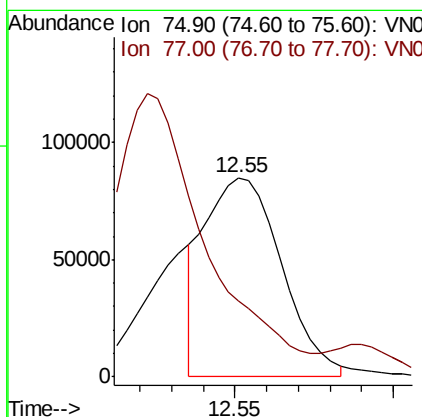
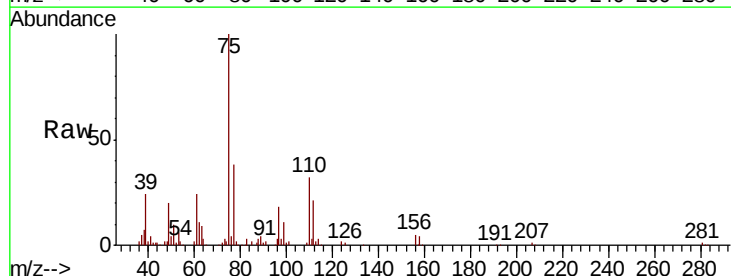
RT: 12.55 min Scan# 3352

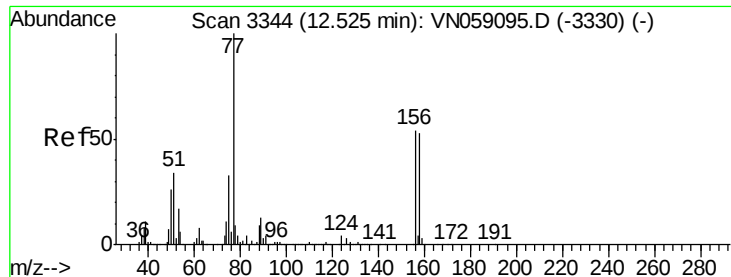
Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	75	Resp:	144461
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.417 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

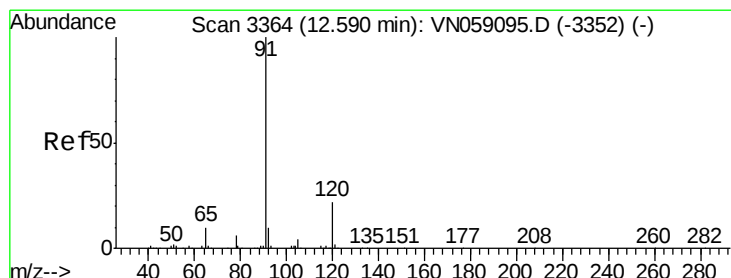
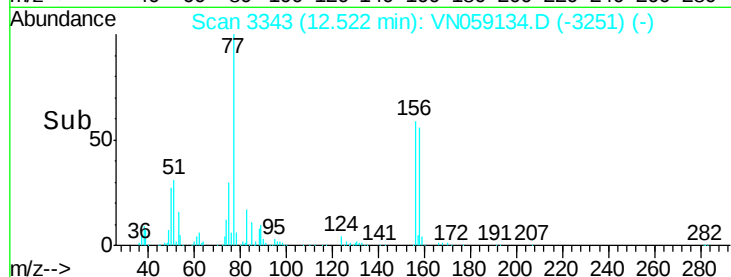
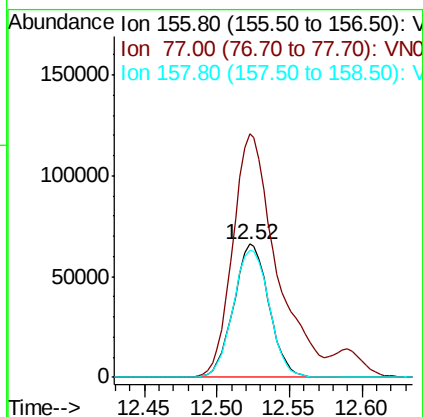
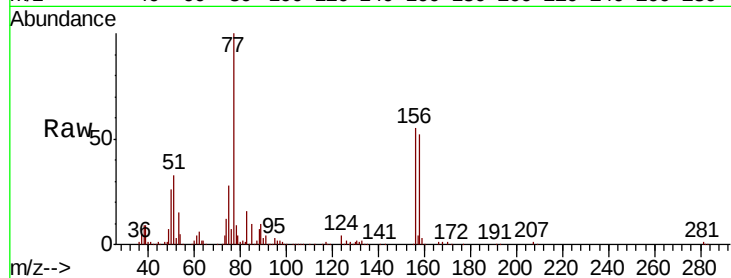
ClientSampleId :

VN1108MBSD01

Tot Ion:	156	Resp:	111920
Ion Ratio	Lower	Upper	
156	100		
77	225.8	112.8	338.3
158	98.1	48.4	145.3

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#78

n-propylbenzene

Concen: 20.525 ug/l

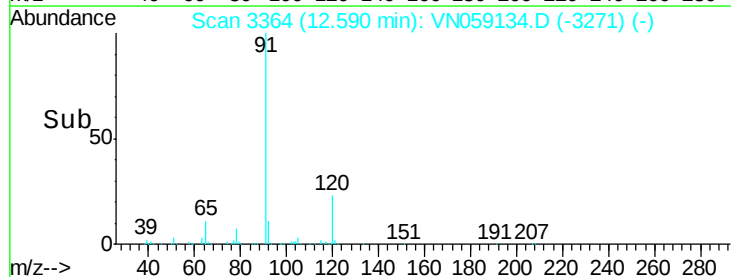
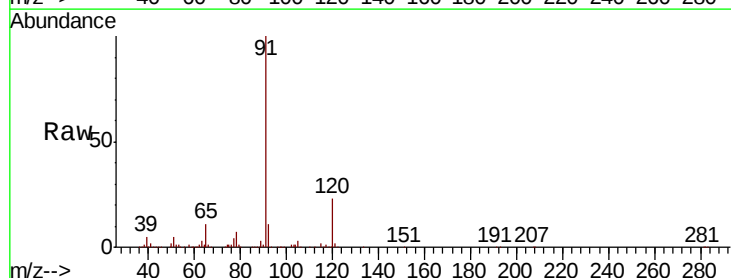
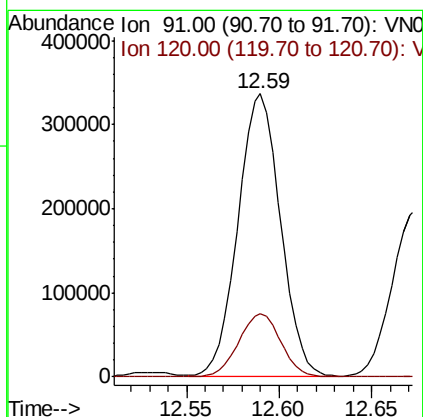
RT: 12.59 min Scan# 3364

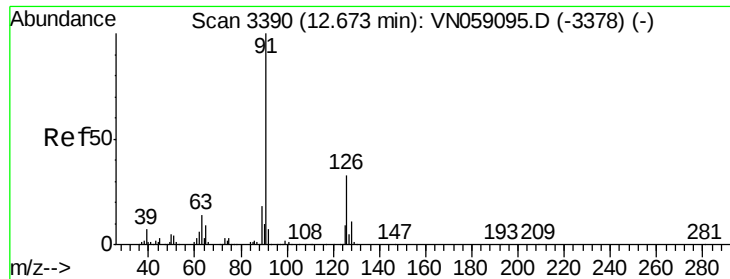
Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	91	Resp:	539179
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.2	33.5





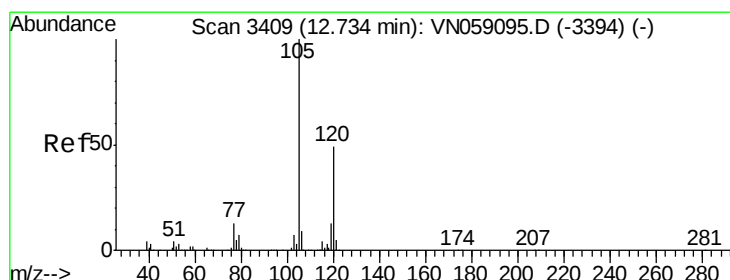
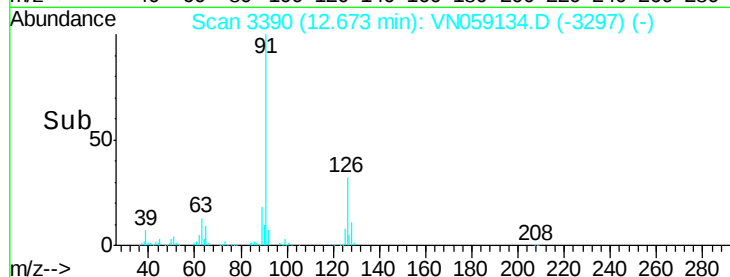
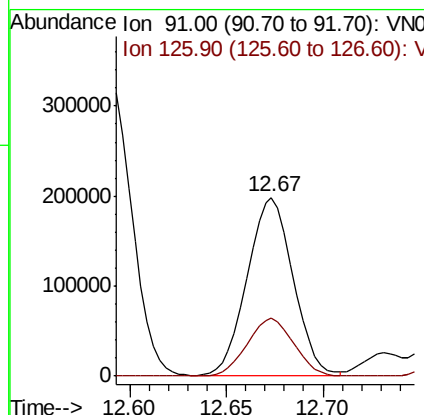
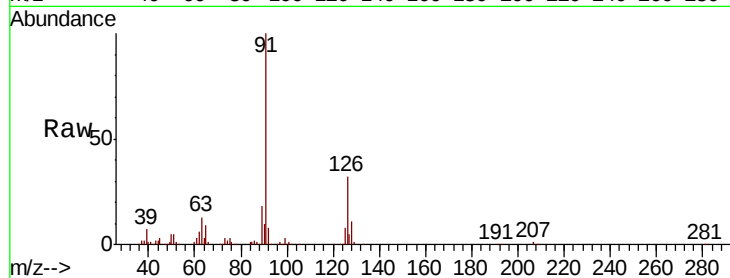
#79
 2-Chlorotoluene
 Concen: 20.184 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion: 91 Resp: 328924
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.7 50.1

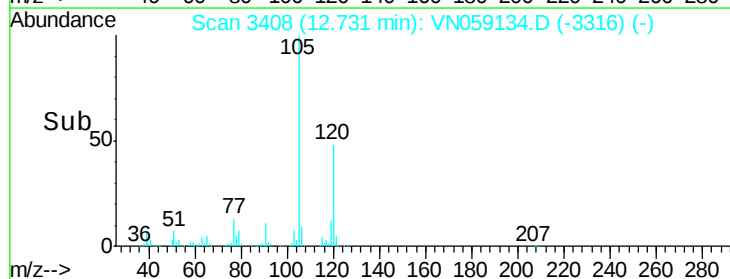
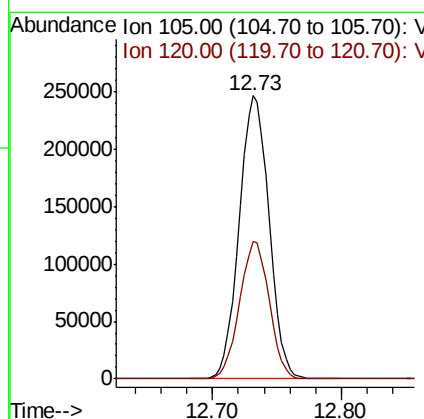
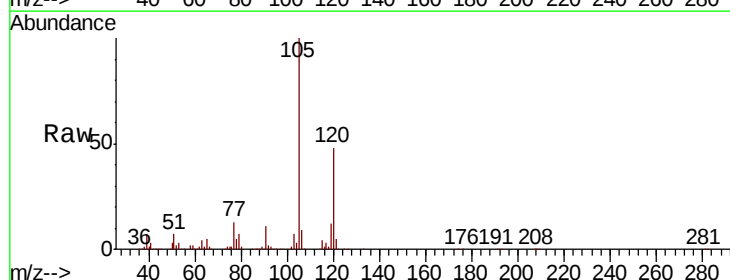
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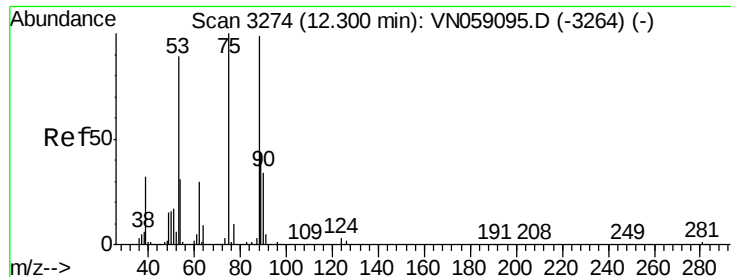
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.322 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion: 105 Resp: 395067
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.0 72.0





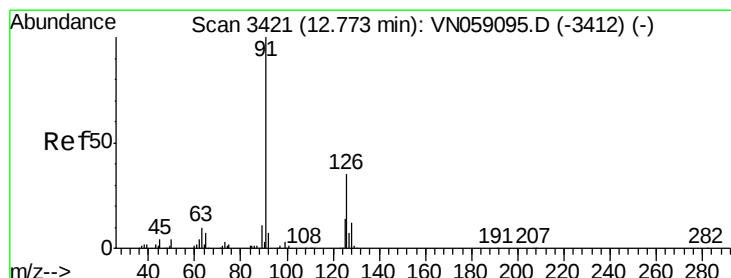
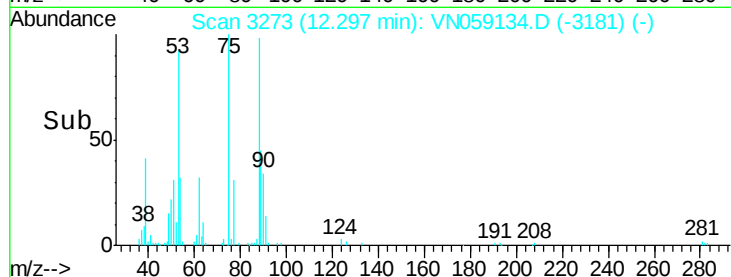
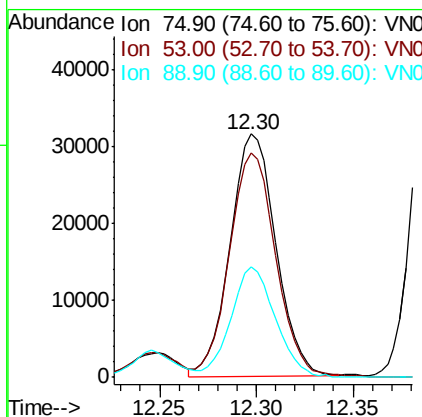
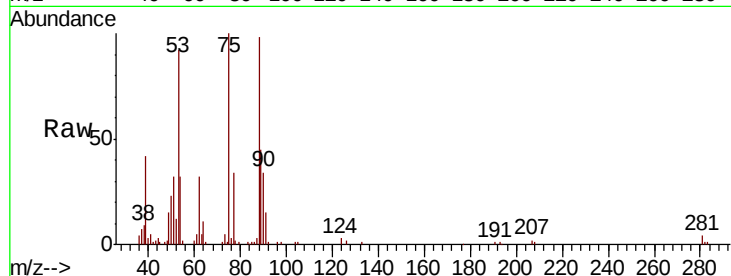
#81
trans-1,4-Dichloro-2-butene
Concen: 18.962 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	72.2	108.2
89	44.6	35.8	53.8

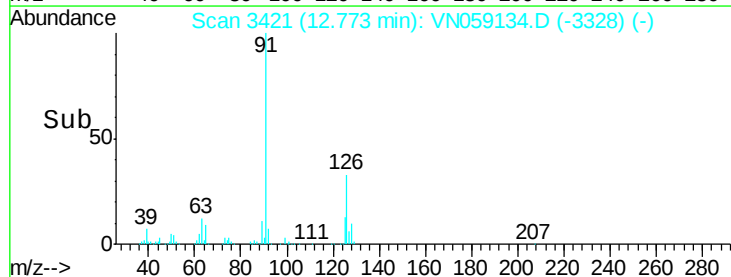
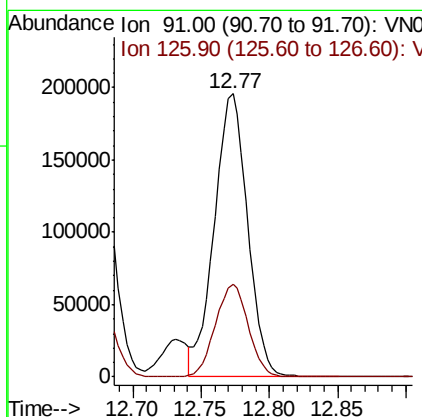
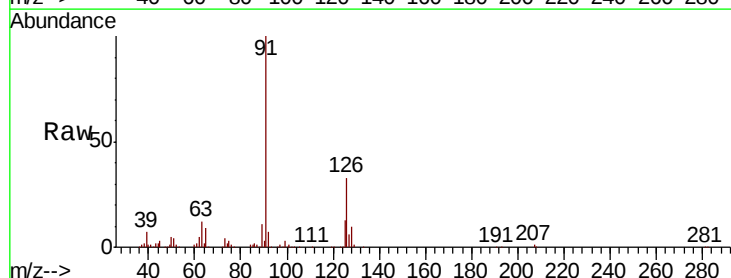
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#82
4-Chlorotoluene
Concen: 20.269 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





#83

tert-Butylbenzene

Concen: 20.338 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

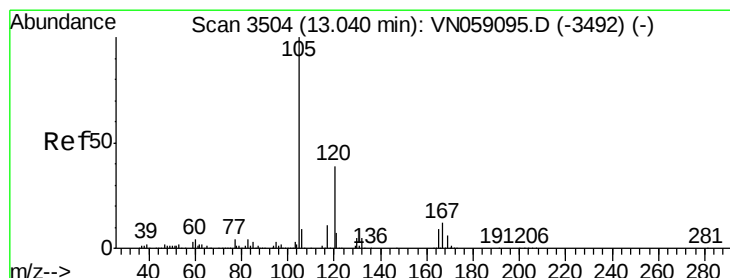
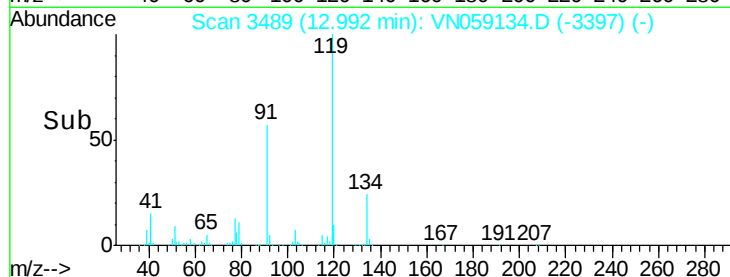
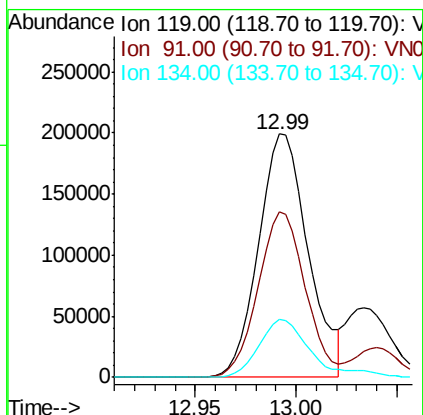
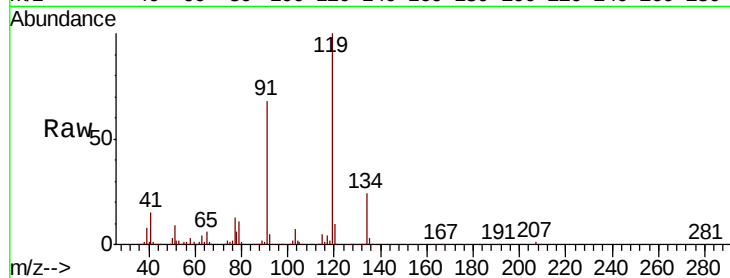
ClientSampleId :

VN1108MBSD01

Tot Ion:	119	Resp:	341443
Ion Ratio	Lower	Upper	
119	100		
91	64.4	33.2	99.6
134	25.1	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 20.580 ug/l

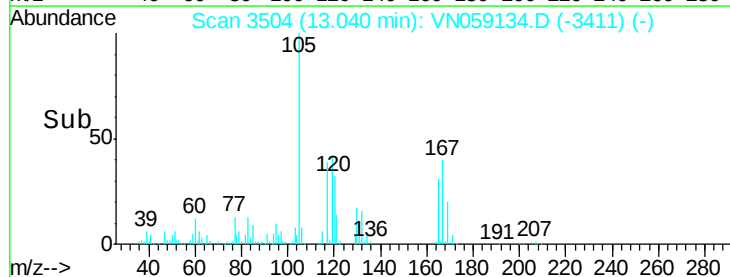
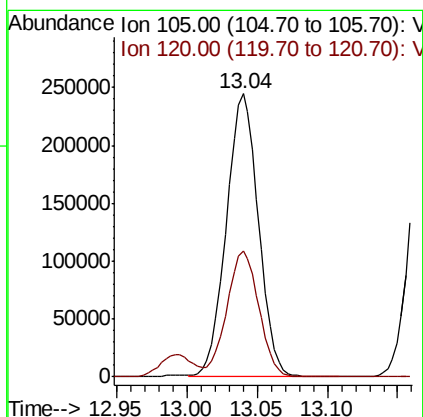
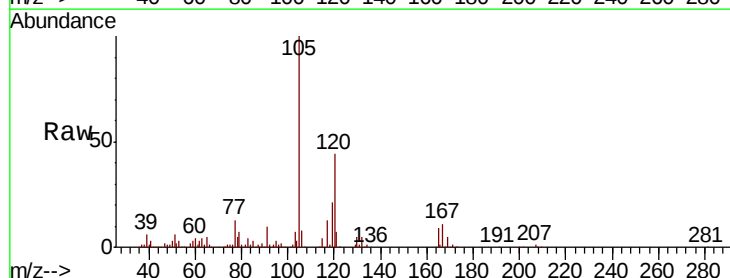
RT: 13.04 min Scan# 3504

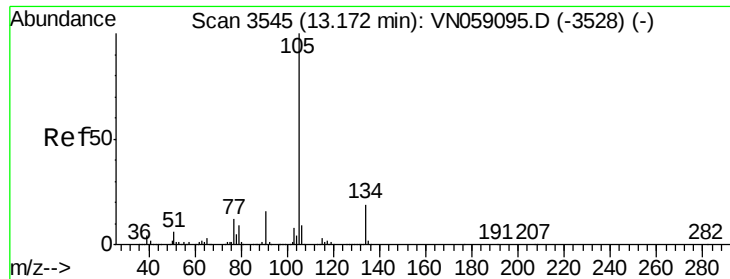
Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	105	Resp:	387071
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.194 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

ClientSampleId :

VN1108MBSD01

Tot Ion:105 Resp: 440912

Ion Ratio Lower Upper

105 100

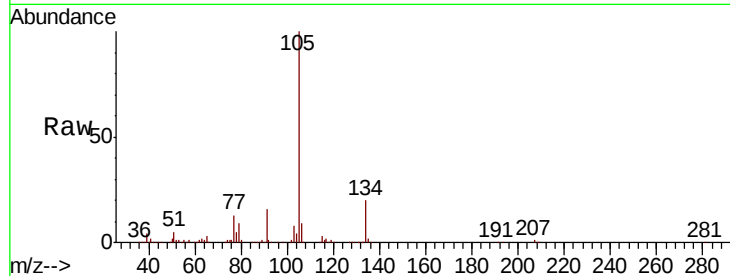
134 19.6 9.7 29.1

Manual Integrations

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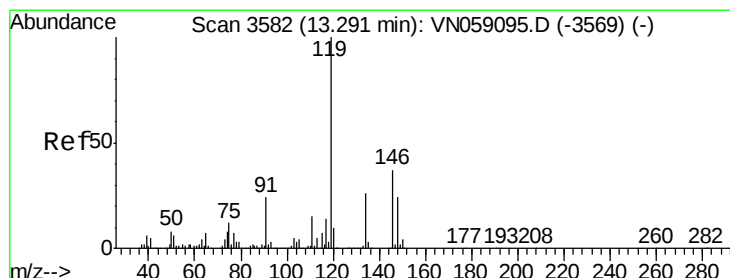
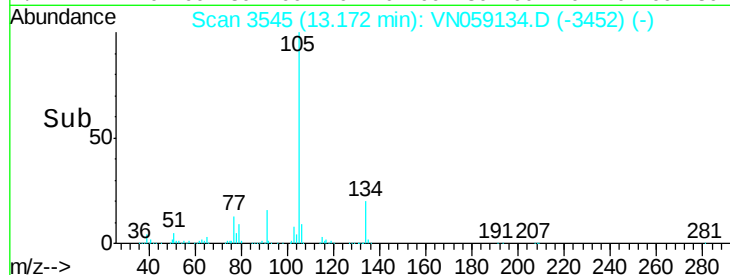
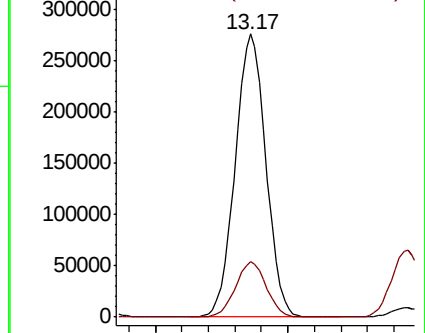
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.509 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

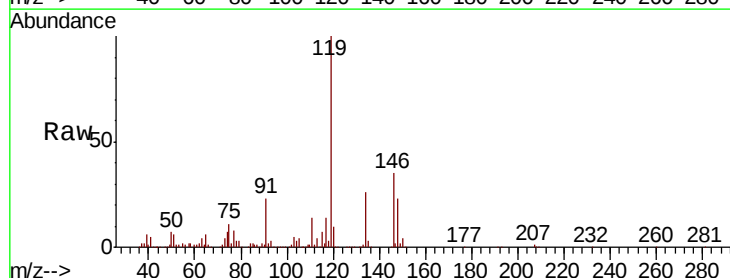
Tgt Ion:119 Resp: 395378

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

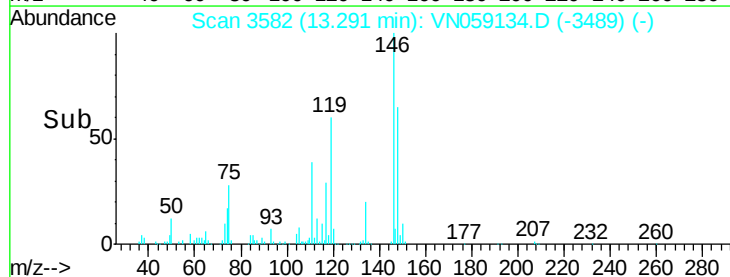
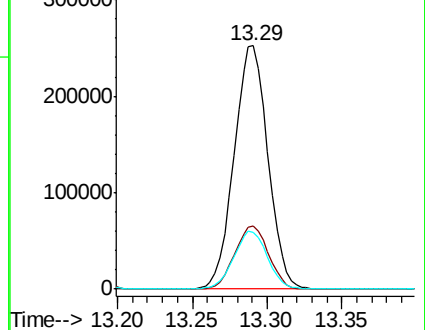
91 23.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.148 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059134.D

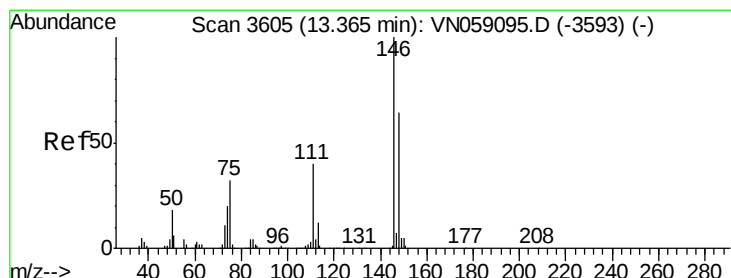
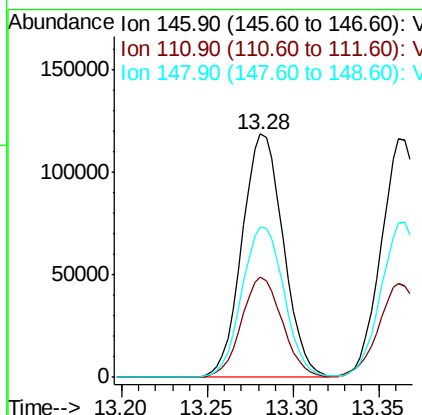
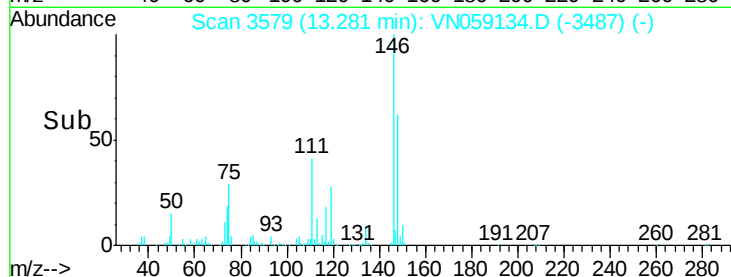
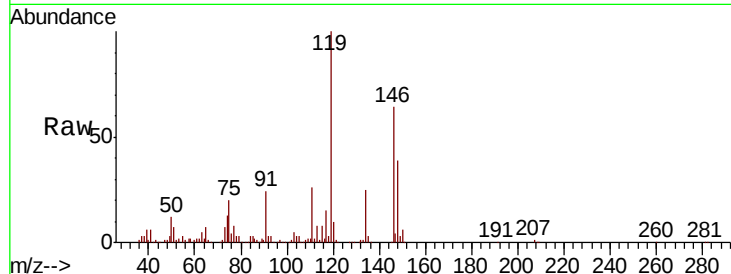
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198868		
111	40.5	20.4	61.3	
148	63.1	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 19.541 ug/l

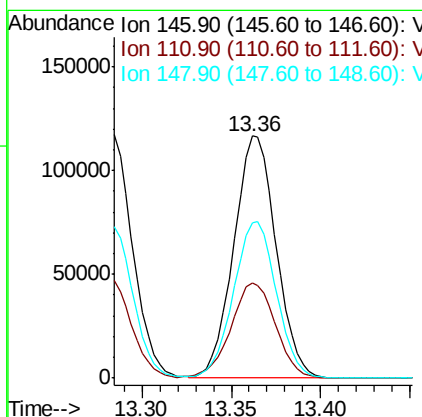
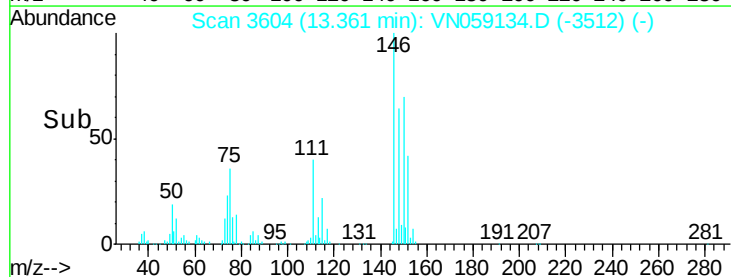
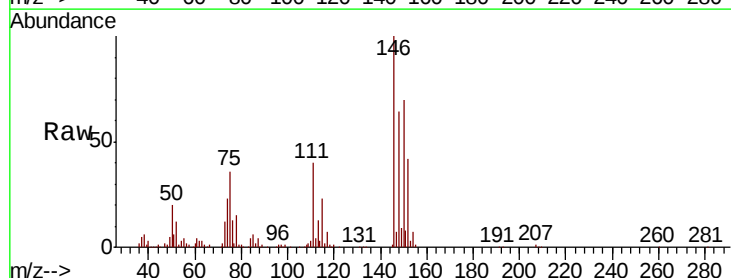
RT: 13.36 min Scan# 3604

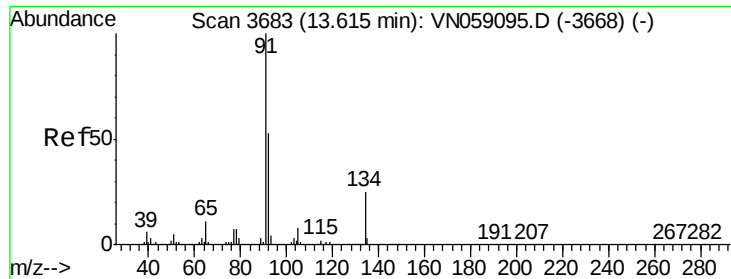
Delta R.T. -0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	192984		
111	41.6	20.3	60.9	
148	66.1	31.9	95.7	





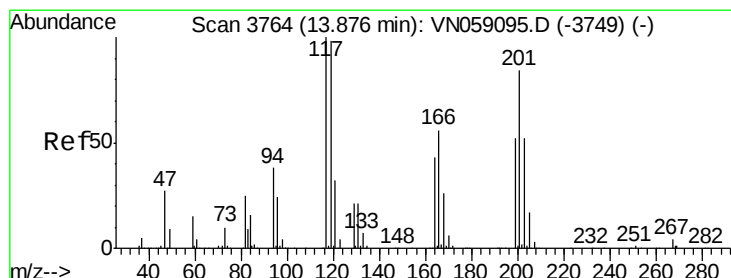
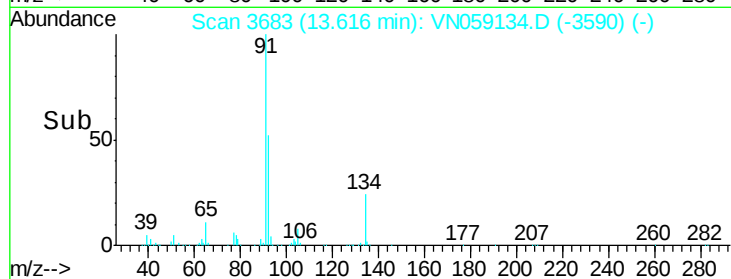
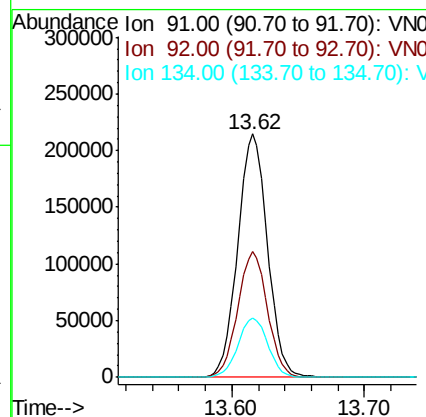
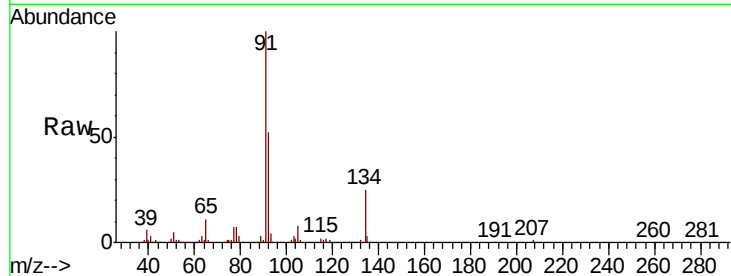
#89
n-Butylbenzene
Concen: 19.792 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	24.7	12.6	37.8

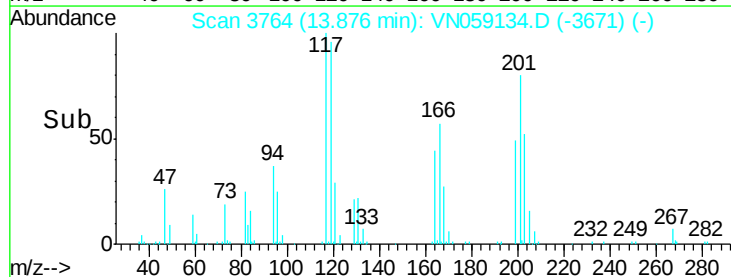
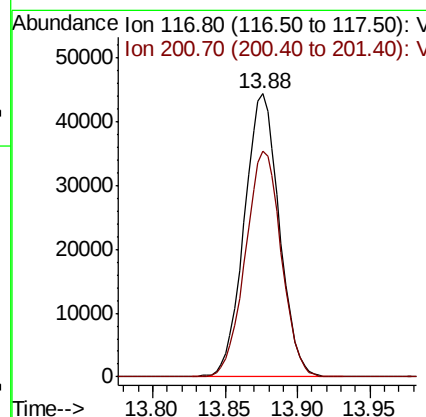
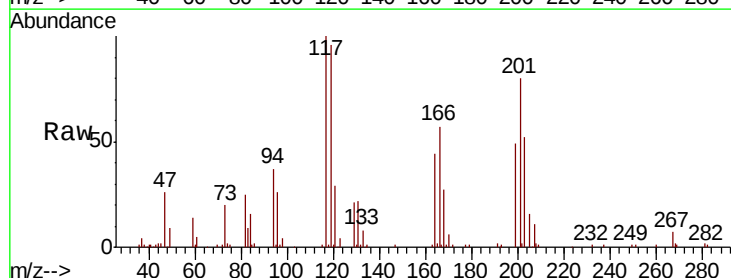
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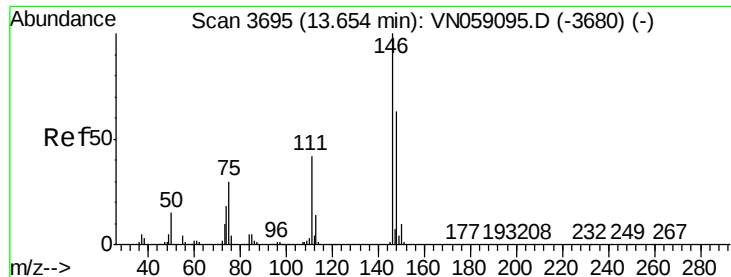
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#90
Hexachloroethane
Concen: 19.296 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 20.231 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Instrument :

MSVOA_N

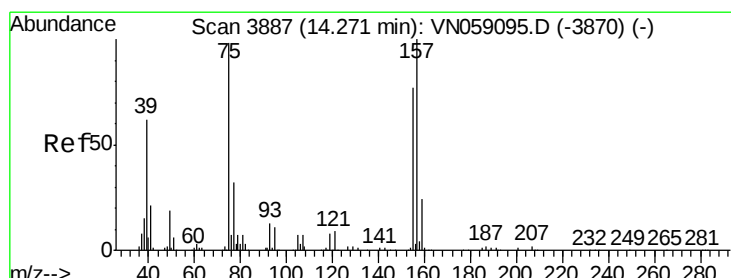
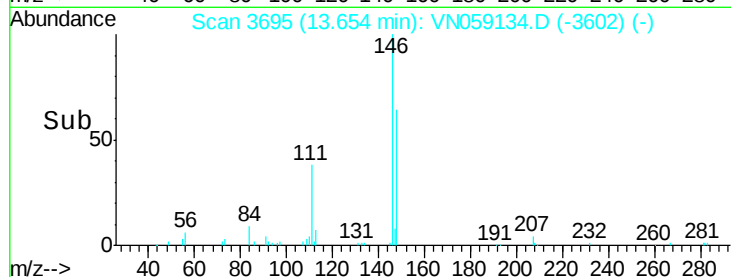
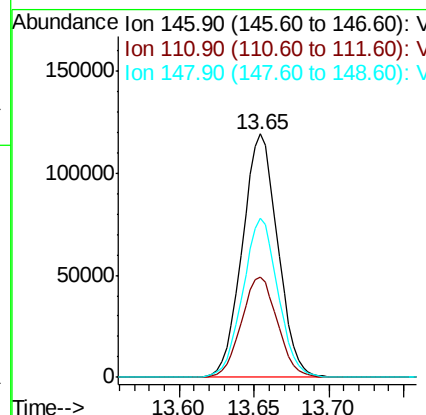
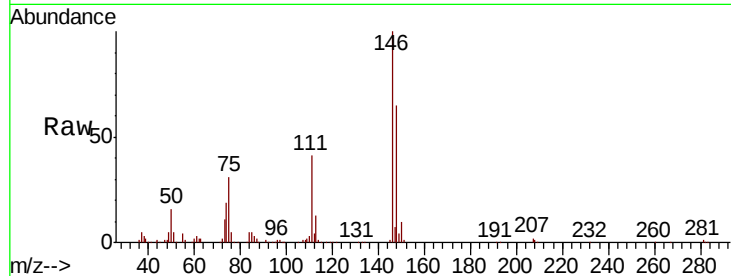
ClientSampleId :

VN1108MBSD01

Tot Ion:	146	Resp:	196442
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.2	63.6
148	64.7	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.822 ug/l

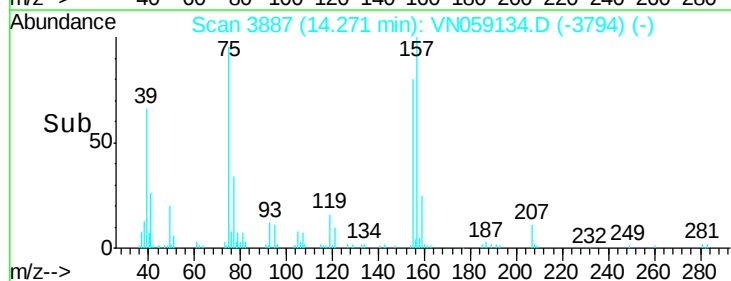
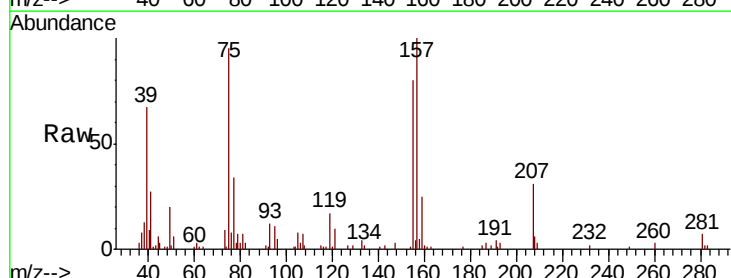
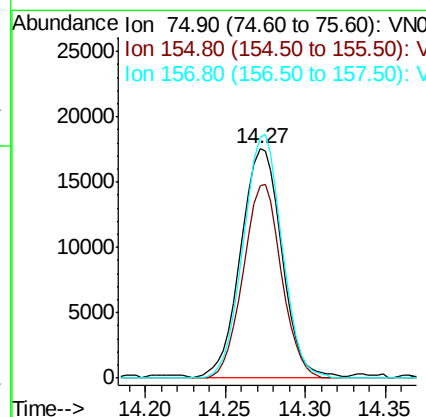
RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059134.D

Acq: 8 Nov 2019 10:31

Tgt Ion:	75	Resp:	30873
Ion Ratio	Lower	Upper	
75	100		
155	77.8	40.2	120.6
157	99.6	51.8	155.5





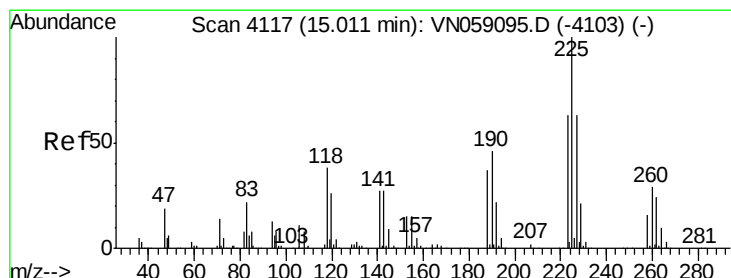
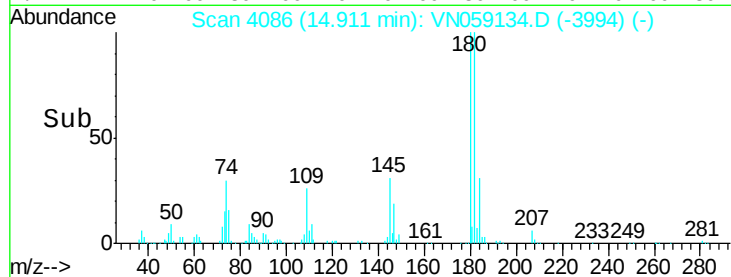
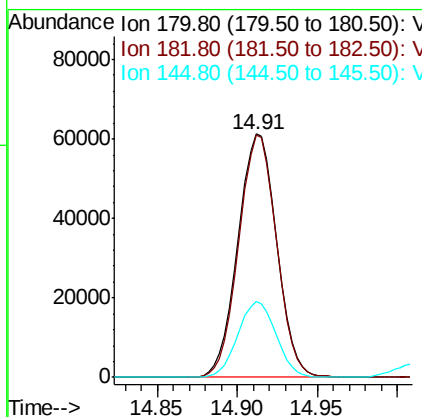
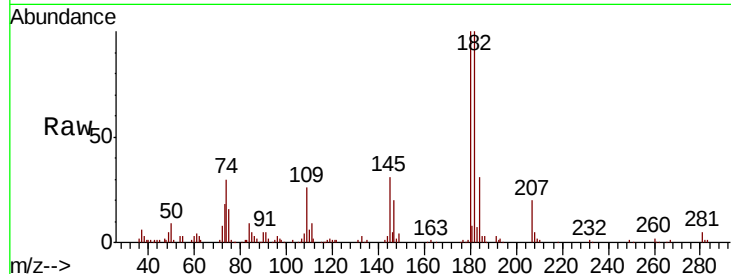
#93
 1,2,4-Trichlorobenzene
 Concen: 19.170 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	101148		
182	97.3	48.1	144.3	
145	30.7	15.1	45.3	

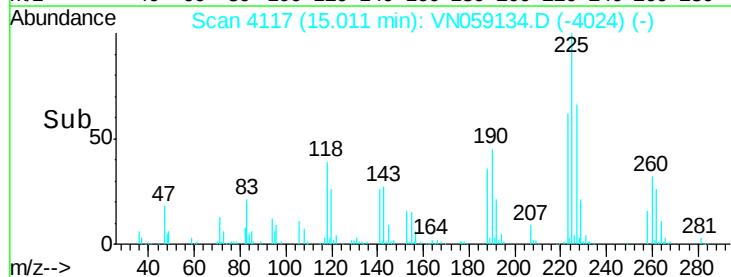
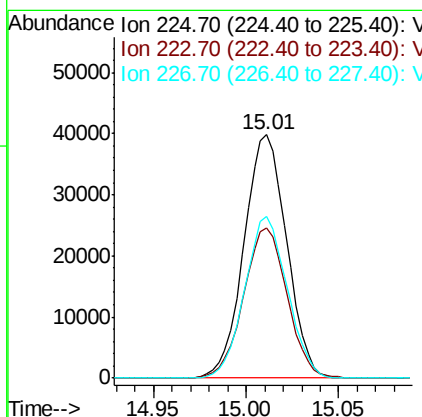
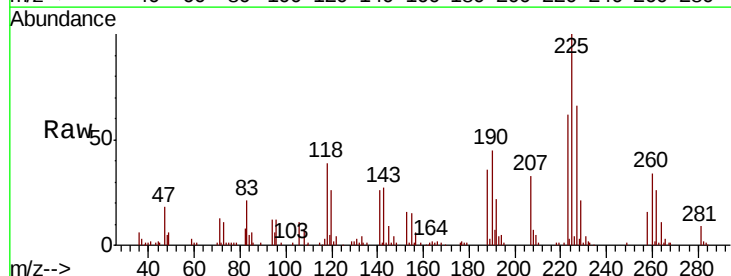
Manual Integrations
 APPROVED

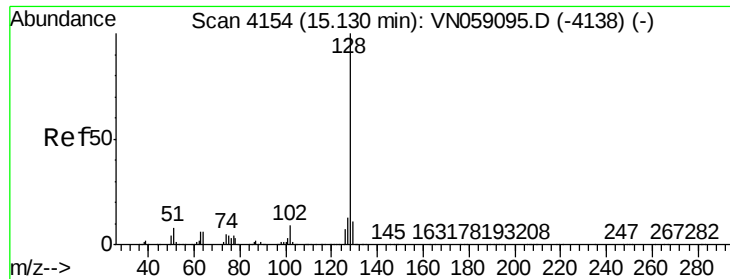
MMDadoda
 11/11/2019 10:35:08 AM



#94
 Hexachlorobutadiene
 Concen: 18.961 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059134.D
 Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	63480		
223	62.9	31.3	93.9	
227	66.1	31.5	94.5	





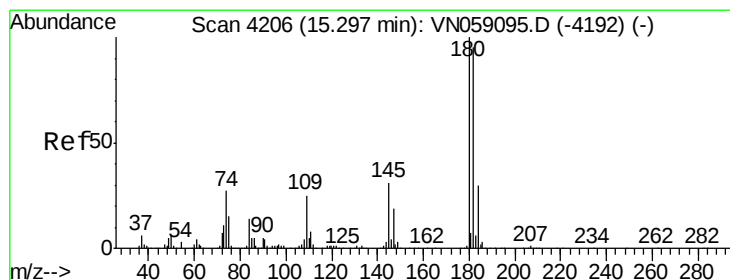
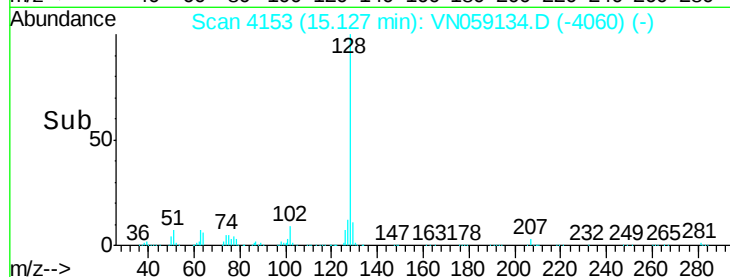
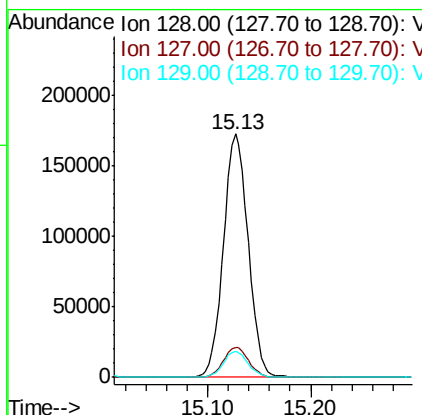
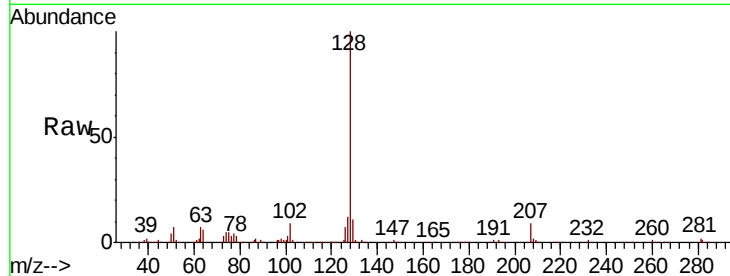
#95
Naphthalene
Concen: 19.633 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :
VN1108MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/11/2019 10:35:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.377 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.00 min
Lab File: VN059134.D
Acq: 8 Nov 2019 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.8
145	32.7	15.8	47.3

