

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014593.D
 Acq On : 09 Jan 2020 20:24
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:41:07 AM

Quant Time: Jan 10 03:00:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	781824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1164421	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1010508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	499548	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	320909	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.88	113	326470	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.32	98	1336794	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.62	95	454384	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	189627	42.957	ug/l	99
3) Chloromethane	2.21	50	253236	46.867	ug/l	100
4) Vinyl Chloride	2.36	62	401801	50.558	ug/l	100
5) Bromomethane	2.77	94	255968	52.138	ug/l	98
6) Chloroethane	2.92	64	241152	53.231	ug/l	98
7) Trichlorofluoromethane	3.25	101	197069	49.561	ug/l	99
8) Diethyl Ether	3.67	74	216220	54.652	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	392838	52.875	ug/l	98
10) Methyl Iodide	4.27	142	590404	52.668	ug/l	100
11) Tert butyl alcohol	5.15	59	147831	283.568	ug/l	98
12) 1,1-Dichloroethene	4.04	96	418074	53.735	ug/l	97
13) Acrolein	3.89	56	187030	313.485	ug/l	100
14) Allyl chloride	4.66	41	612073	51.480	ug/l	99
15) Acrylonitrile	5.35	53	521239	288.231	ug/l	97
16) Acetone	4.11	43	518361	268.560	ug/l	97
17) Carbon Disulfide	4.38	76	1182512	50.427	ug/l	98
18) Methyl Acetate	4.66	43	253856	54.457	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	568029	58.815	ug/l	99
20) Methylene Chloride	4.91	84	440056	57.000	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	439842	53.241	ug/l	98
22) Diisopropyl ether	6.31	45	1201880	54.007	ug/l	98
23) Vinyl Acetate	6.24	43	3713686	276.350	ug/l	100
24) 1,1-Dichloroethane	6.21	63	749210	53.371	ug/l	99
25) 2-Butanone	7.16	43	692469	279.559	ug/l	99
26) 2,2-Dichloropropane	7.16	77	385103	49.551	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	476309	54.870	ug/l	99
28) Bromochloromethane	7.51	49	280950	51.050	ug/l	96
29) Tetrahydrofuran	7.52	42	424079	276.359	ug/l	97
30) Chloroform	7.67	83	709627	54.058	ug/l	99
31) Cyclohexane	7.95	56	734474	50.346	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	566603	53.668	ug/l	100
36) 1,1-Dichloropropene	8.07	75	600831	53.523	ug/l	100
37) Ethyl Acetate	7.24	43	287682	56.506	ug/l	98
38) Carbon Tetrachloride	8.06	117	527183	54.132	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	791208	54.923	ug/l	98
40) Benzene	8.32	78	1723340	54.260	ug/l	100
41) Methacrylonitrile	7.48	41	165964	58.480	ug/l	97
42) 1,2-Dichloroethane	8.39	62	443106	53.760	ug/l	100
43) Isopropyl Acetate	8.42	43	529245	57.247	ug/l	99
44) Trichloroethene	9.09	130	476303	55.421	ug/l	95
45) 1,2-Dichloropropane	9.37	63	429795	55.145	ug/l	98
46) Dibromomethane	9.46	93	214004	55.620	ug/l	98
47) Bromodichloromethane	9.64	83	526424	55.418	ug/l	100
48) Methyl methacrylate	9.43	41	259198	57.424	ug/l	99
49) 1,4-Dioxane	9.44	88	83231	1156.577	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1392684	290.087	ug/l	99
52) Toluene	10.38	92	1091427	54.623	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	550878	56.010	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	664616	55.290	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	317415	56.487	ug/l	99
56) Ethyl methacrylate	10.64	69	442851	60.641	ug/l	98
57) 1,3-Dichloropropane	10.93	76	557472	56.446	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	658564	296.512	ug/l	99
59) 2-Hexanone	10.96	43	991365	299.663	ug/l	99
60) Dibromochloromethane	11.13	129	361392	57.000	ug/l	99
61) 1,2-Dibromoethane	11.23	107	300432	56.324	ug/l	99
64) Tetrachloroethene	10.86	164	434022	59.327	ug/l	97
65) Chlorobenzene	11.65	112	1141239	55.126	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	392242	56.273	ug/l	99
67) Ethyl Benzene	11.73	91	2081399	55.789	ug/l	98
68) m/p-Xylenes	11.83	106	1586489	111.108	ug/l	99
69) o-Xylene	12.16	106	740788	56.165	ug/l	99
70) Styrene	12.18	104	1275257	57.163	ug/l	99
71) Bromoform	12.35	173	221735	58.320	ug/l #	100
73) Isopropylbenzene	12.46	105	2046375	55.829	ug/l	100
74) N-amyl acetate	12.27	43	483799	58.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	371106	56.093	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	281804m	59.664	ug/l	
77) Bromobenzene	12.74	156	475862	55.896	ug/l	98
78) n-propylbenzene	12.80	91	2392330	55.504	ug/l	100
79) 2-Chlorotoluene	12.89	91	1342030	54.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1702190	55.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	121425	57.280	ug/l	100
82) 4-Chlorotoluene	12.99	91	1395362	54.756	ug/l	100
83) tert-Butylbenzene	13.21	119	1513264	56.160	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1690312	55.191	ug/l	100
85) sec-Butylbenzene	13.38	105	2105186	56.443	ug/l	100
86) p-Isopropyltoluene	13.49	119	1927358	56.693	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	917721	55.436	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	905043	55.376	ug/l	99
89) n-Butylbenzene	13.82	91	1790016	56.700	ug/l	100
90) Hexachloroethane	14.09	117	327931	55.217	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	818052	56.222	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	60225	57.484	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	597337	60.793	ug/l	99
94) Hexachlorobutadiene	15.23	225	377687	57.358	ug/l	97
95) Naphthalene	15.36	128	1092426	65.191	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	521627	60.904	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 781824

Ion Ratio Lower Upper

168 100

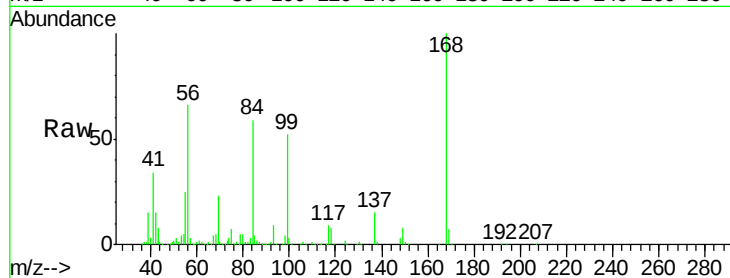
99 51.7 41.1 61.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

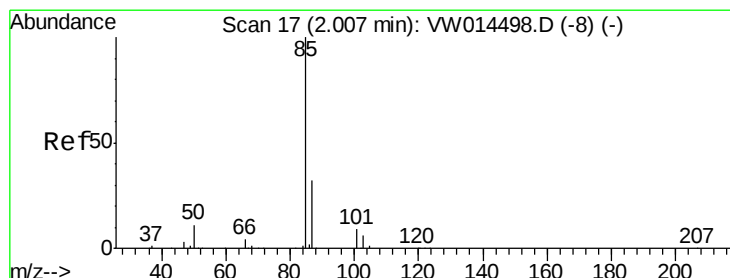
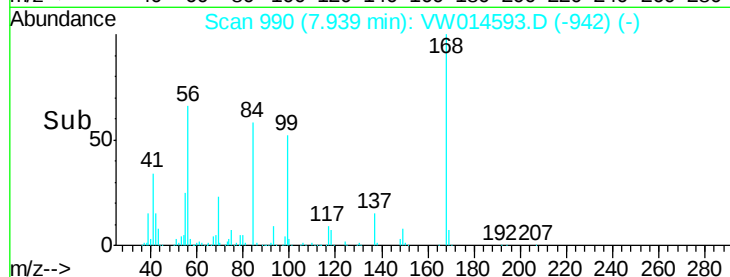
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200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 42.957 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014593.D

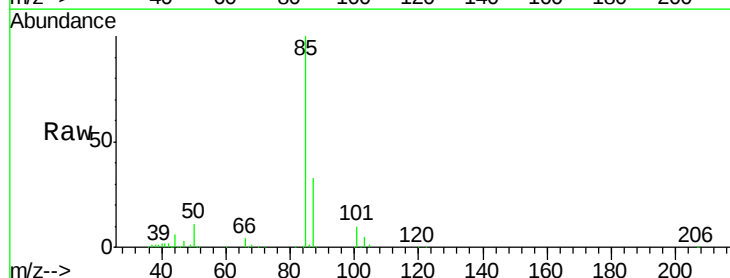
Acq: 09 Jan 2020 20:24

Tgt Ion: 85 Resp: 189627

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

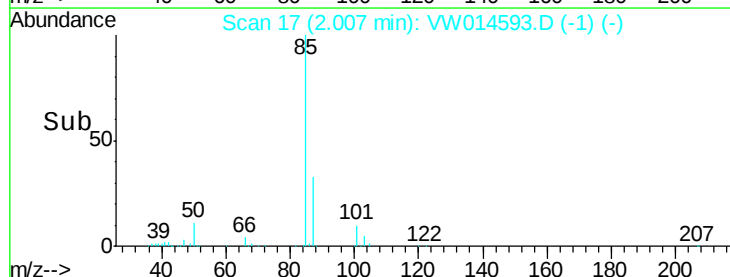
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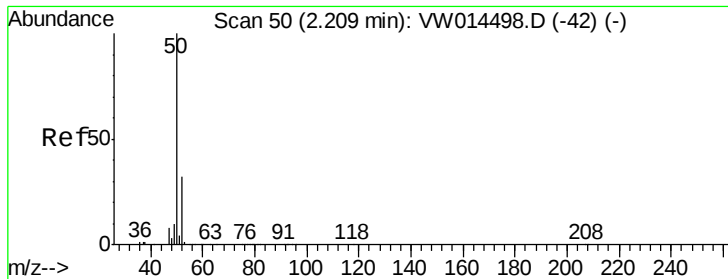
40000

20000

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Time-->





#3

Chloromethane

Concen: 46.867 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 253236

Ion Ratio Lower Upper

50 100

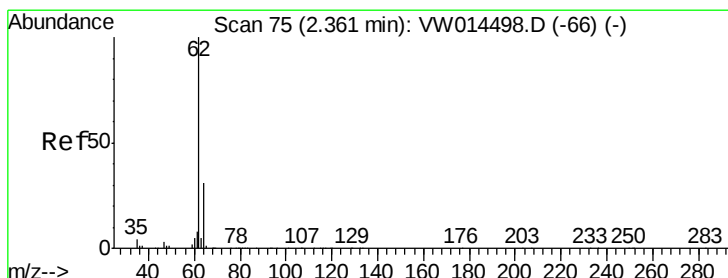
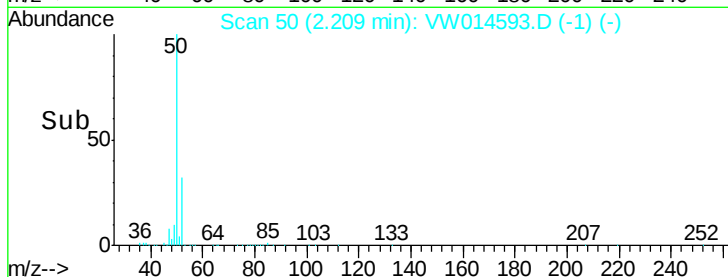
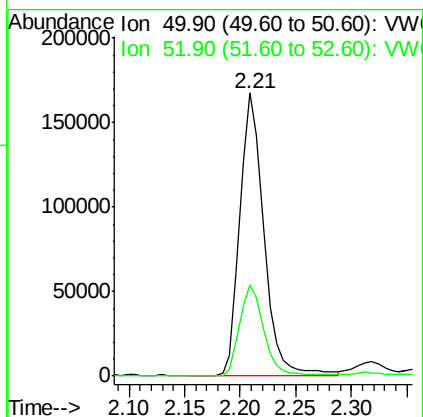
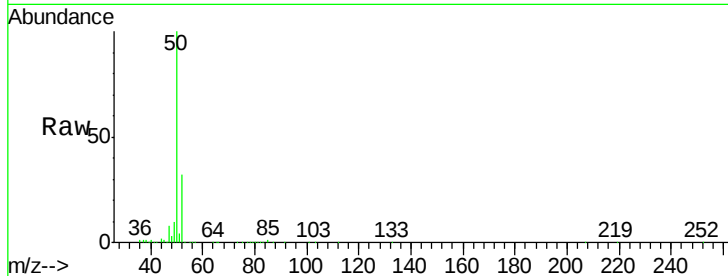
52 32.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.558 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014593.D

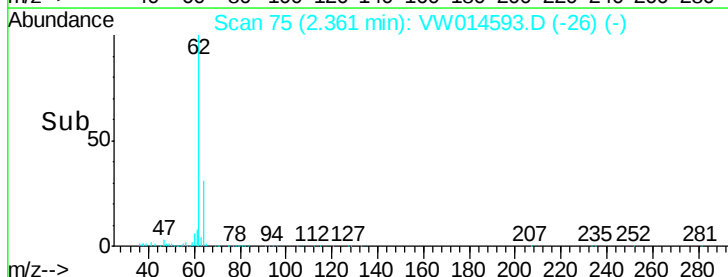
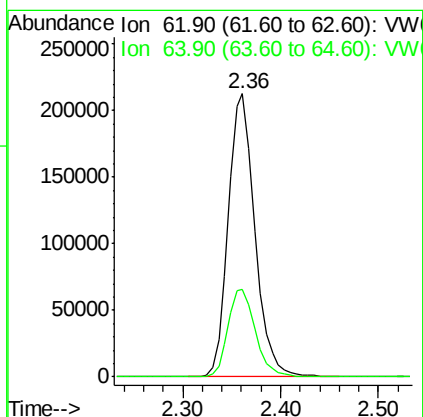
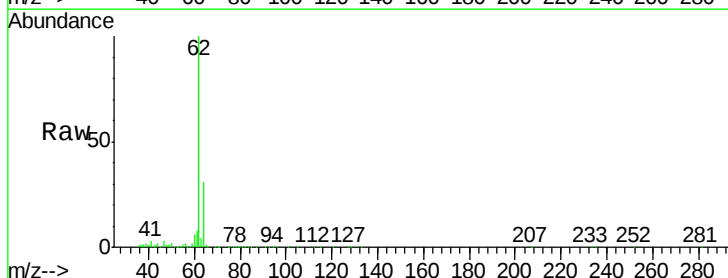
Acq: 09 Jan 2020 20:24

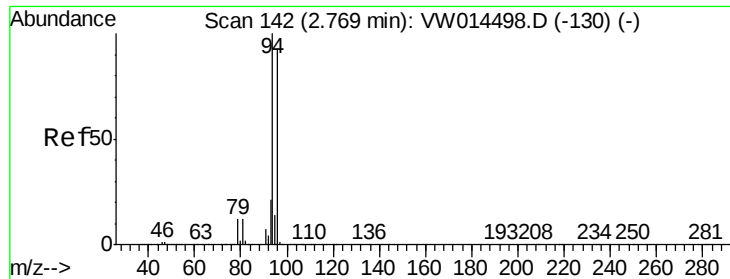
Tgt Ion: 62 Resp: 401801

Ion Ratio Lower Upper

62 100

64 31.0 25.0 37.4





#5

Bromomethane

Concen: 52.138 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 255968

Ion Ratio Lower Upper

94 100

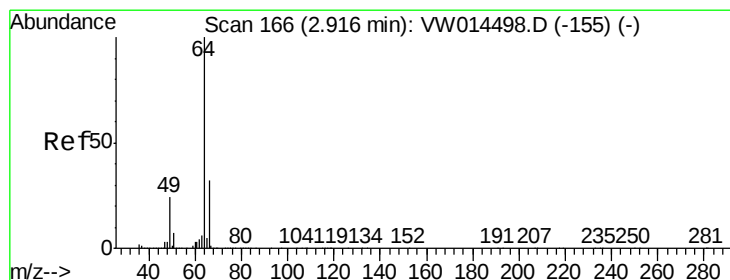
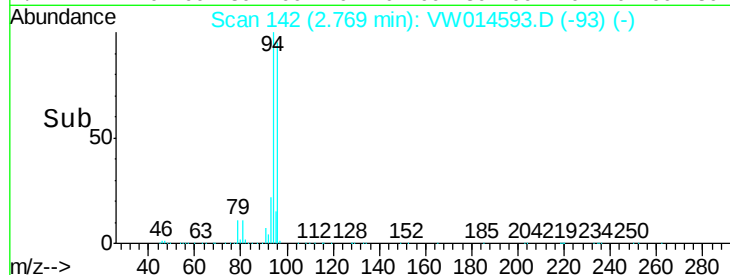
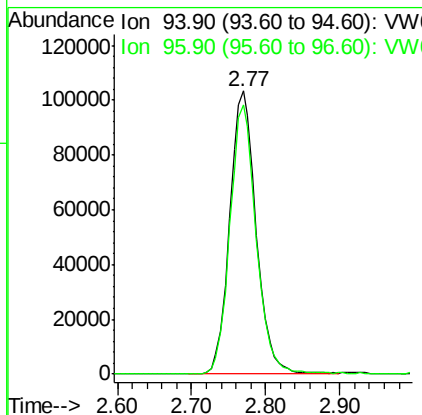
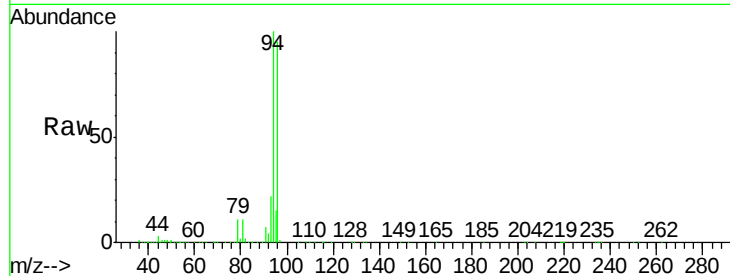
96 95.0 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 53.231 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014593.D

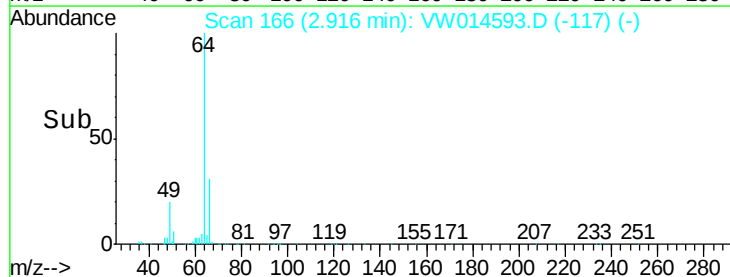
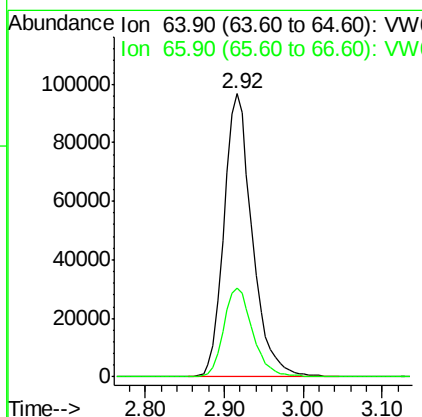
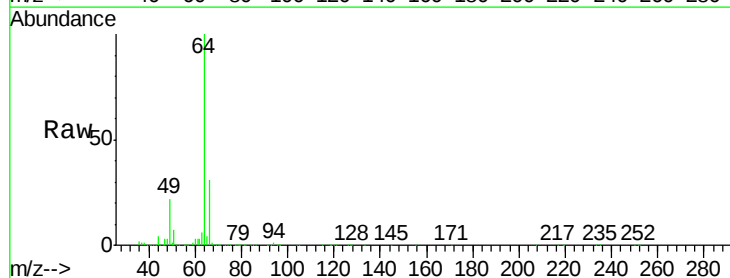
Acq: 09 Jan 2020 20:24

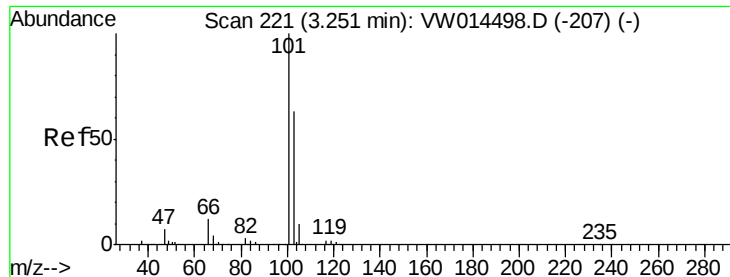
Tgt Ion: 64 Resp: 241152

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5





#7

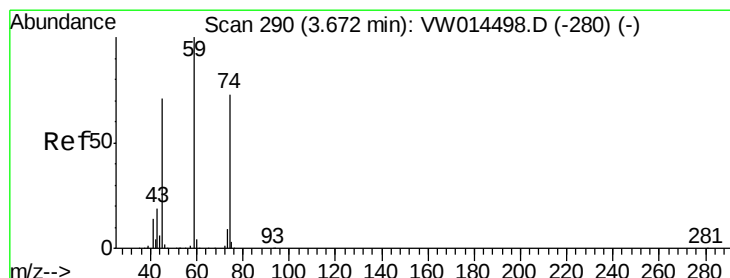
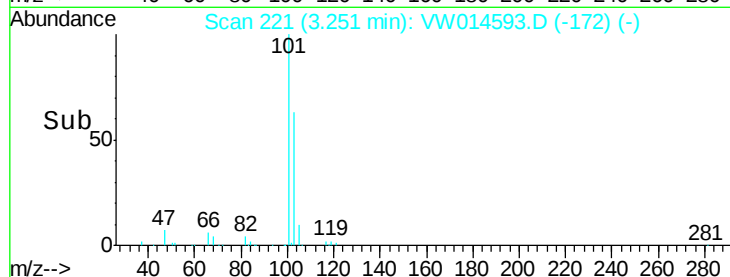
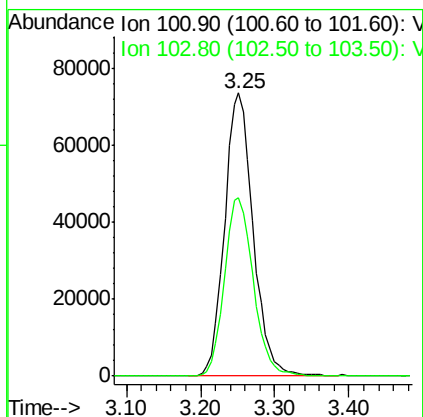
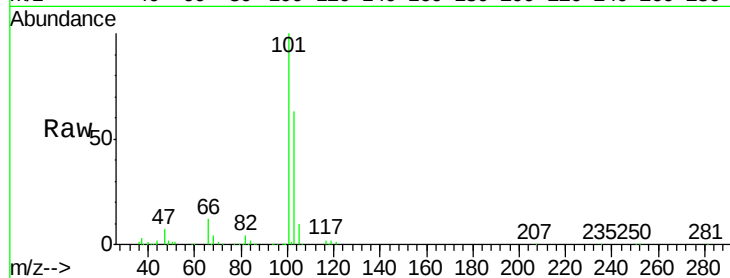
Trichlorofluoromethane
Concen: 49.561 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW014593.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		197069		
103	63.2	50.1	75.1		

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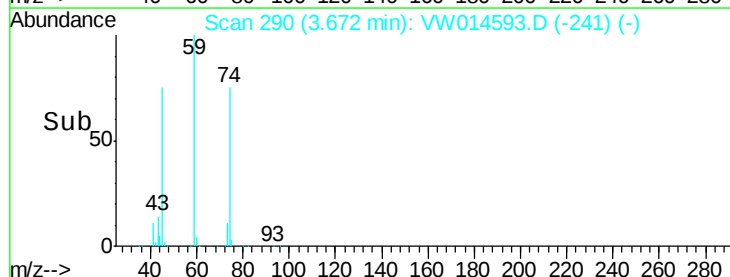
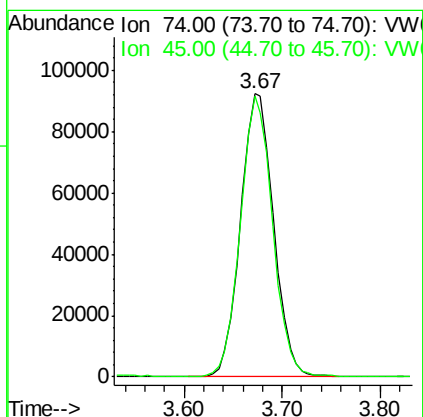
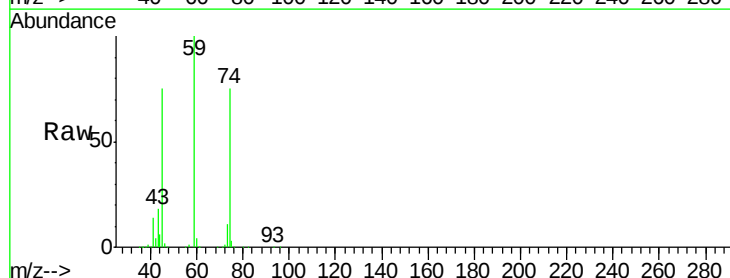
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#8

Diethyl Ether
Concen: 54.652 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		216220		
45	96.6	48.6	145.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.875 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

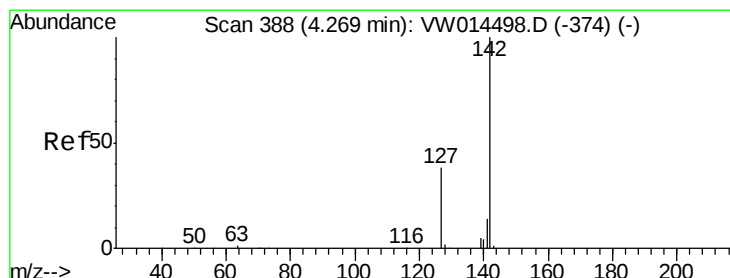
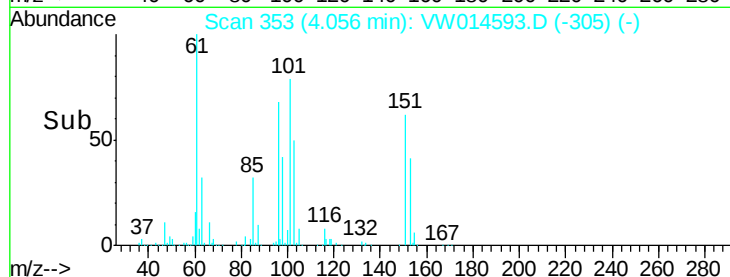
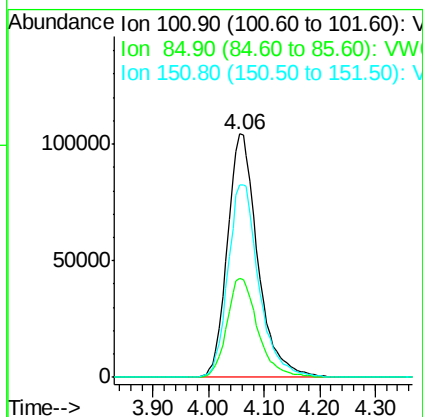
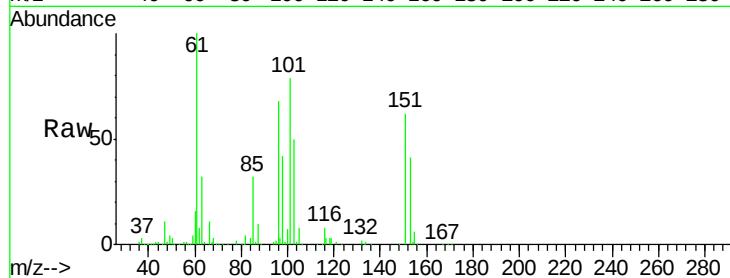
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	392838
Ion Ratio	Lower	Upper	
101	100		
85	41.3	33.7	50.5
151	81.0	63.5	95.3

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#10

Methyl Iodide

Concen: 52.668 ug/l

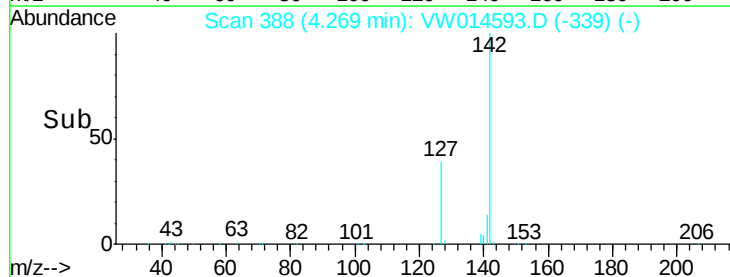
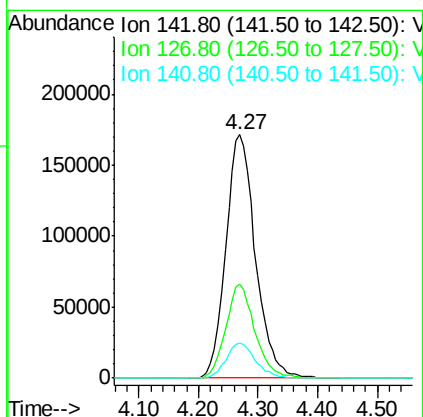
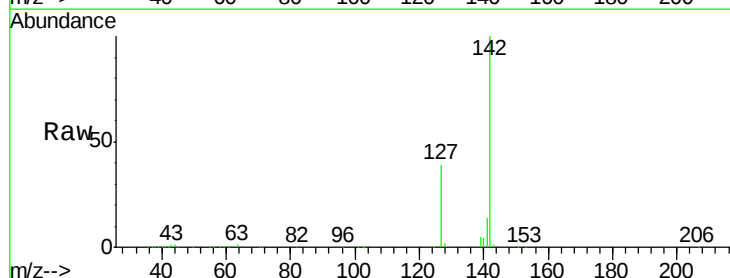
RT: 4.27 min Scan# 388

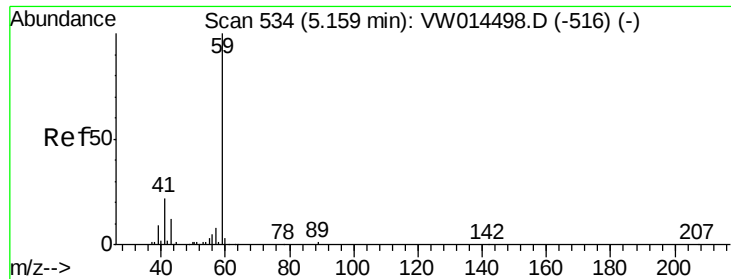
Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion:	142	Resp:	590404
Ion Ratio	Lower	Upper	
142	100		
127	37.9	30.2	45.4
141	14.5	11.4	17.2





#11

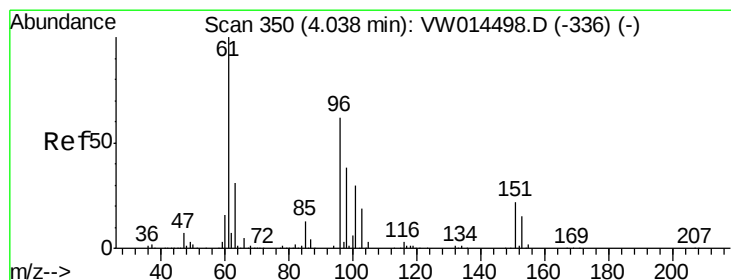
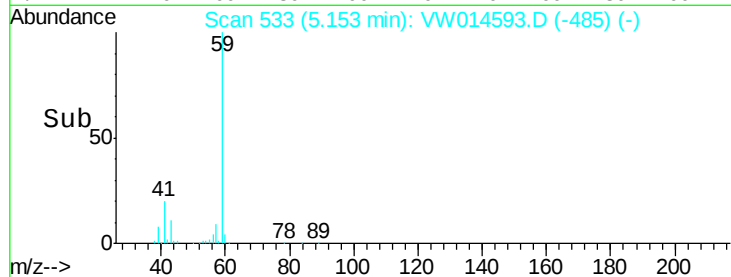
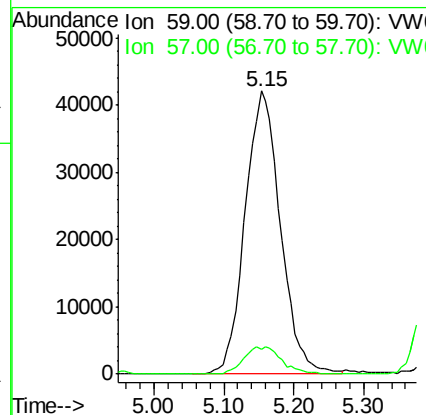
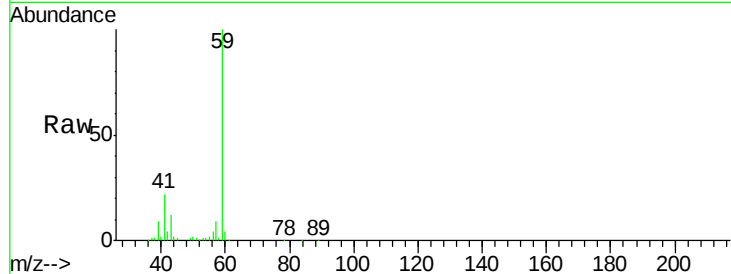
Tert butyl alcohol
Concen: 283.568 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	147831
Ion Ratio	100	Lower	Upper
57	10.6	7.8	11.8

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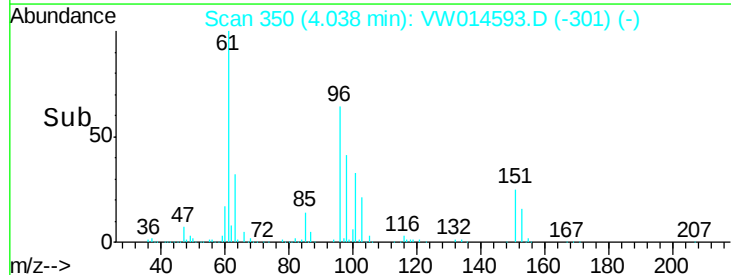
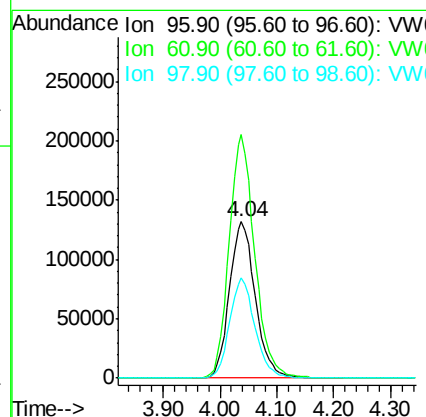
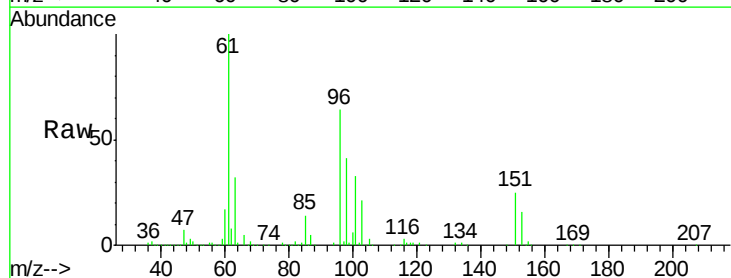
MMDadoda
1/10/2020 10:41:07 AM

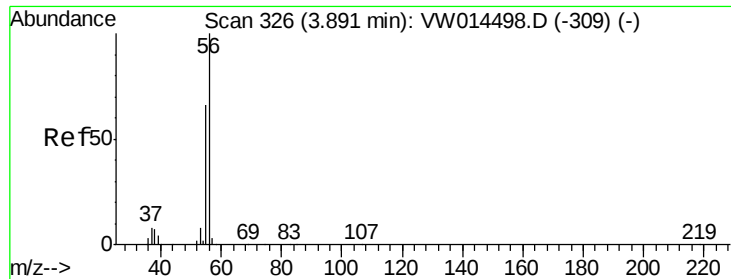


#12

1,1-Dichloroethene
Concen: 53.735 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	96	Resp	418074
Ion Ratio	100	Lower	Upper
61	155.8	128.4	192.6
98	63.8	49.1	73.7





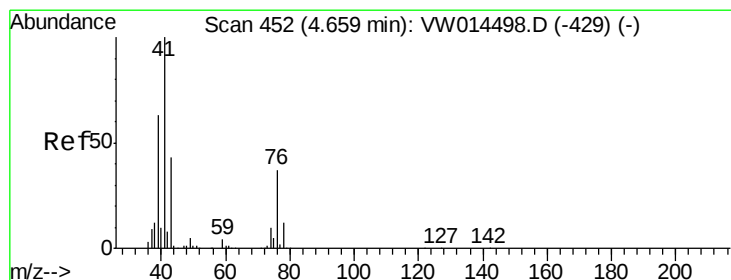
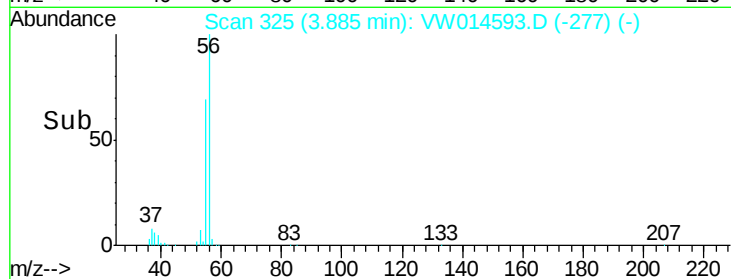
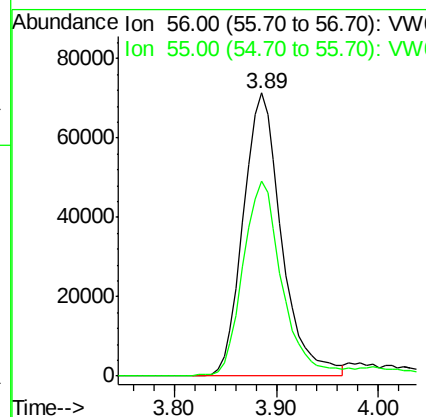
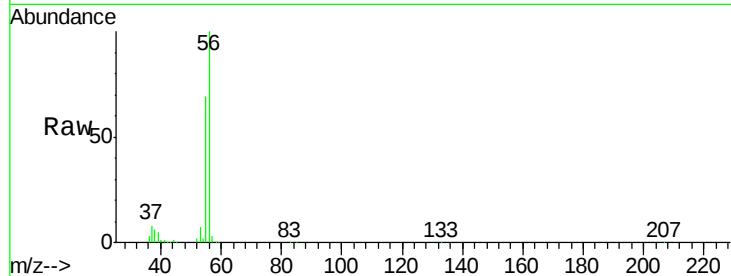
#13
Acrolein
Concen: 313.485 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	187030
Ion Ratio	100	Lower	Upper
56	100		
55	70.8	56.7	85.1

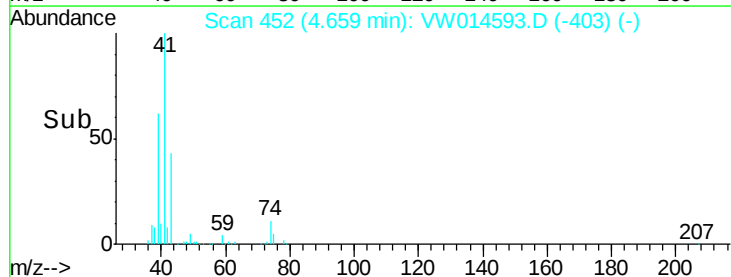
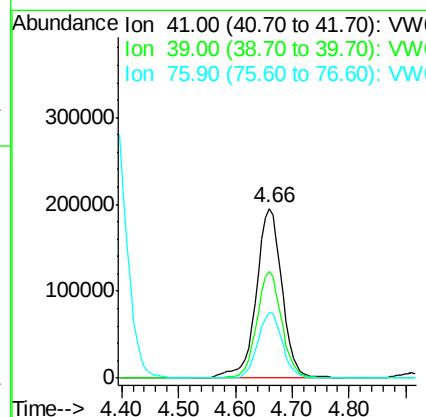
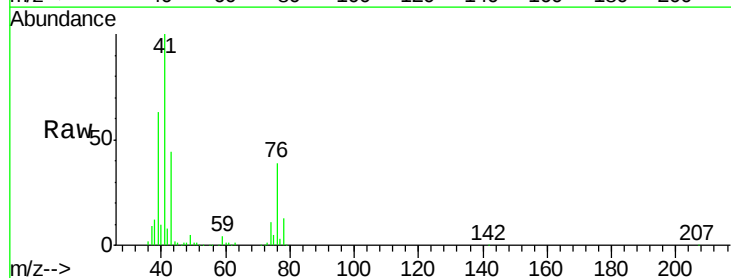
Manual Integrations
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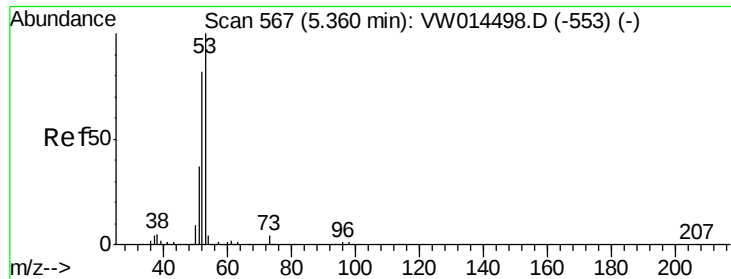
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#14
Allyl chloride
Concen: 51.480 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	41	Resp	612073
Ion Ratio	100	Lower	Upper
41	100		
39	60.2	48.5	72.7
76	36.5	28.1	42.1





#15

Acrylonitrile

Concen: 288.231 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

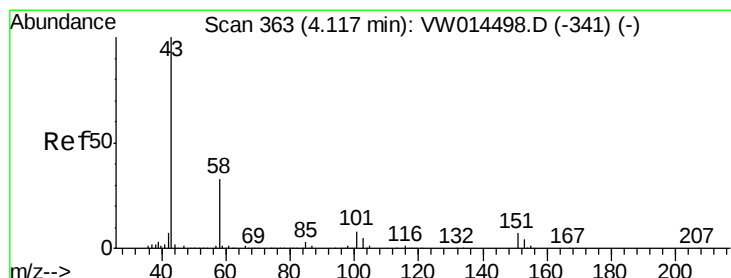
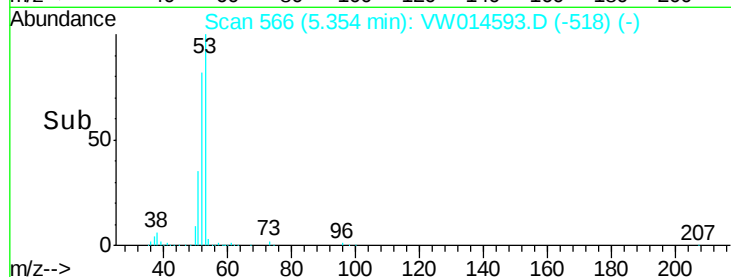
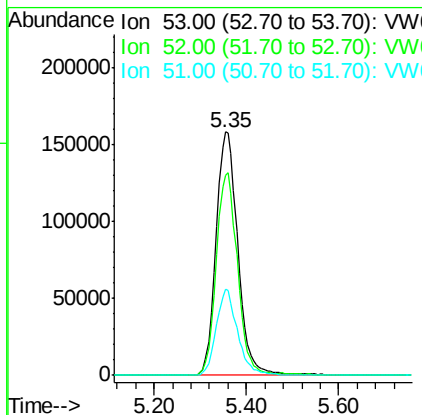
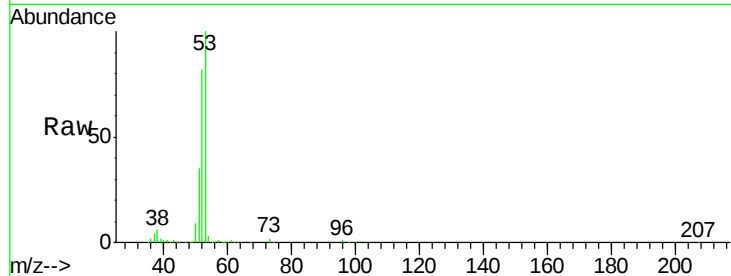
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	521239
Ion Ratio	Lower	Upper	
53	100		
52	80.6	66.5	99.7
51	34.4	28.4	42.6

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#16

Acetone

Concen: 268.560 ug/l

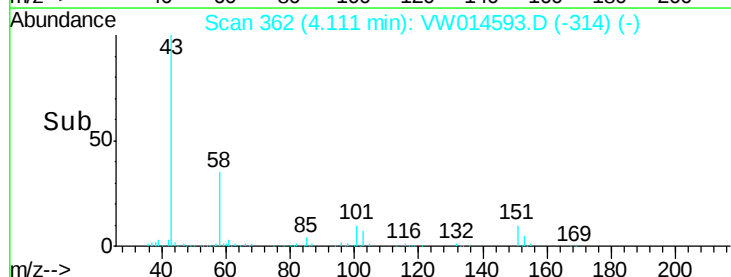
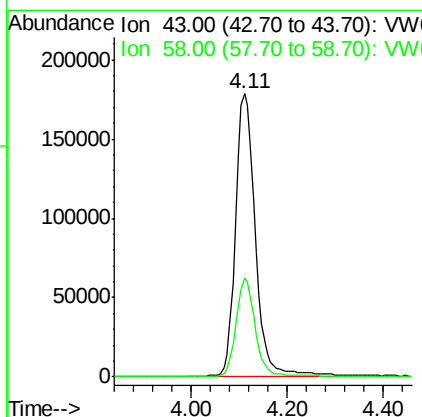
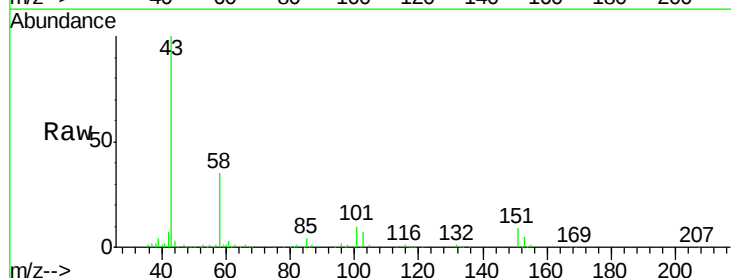
RT: 4.11 min Scan# 362

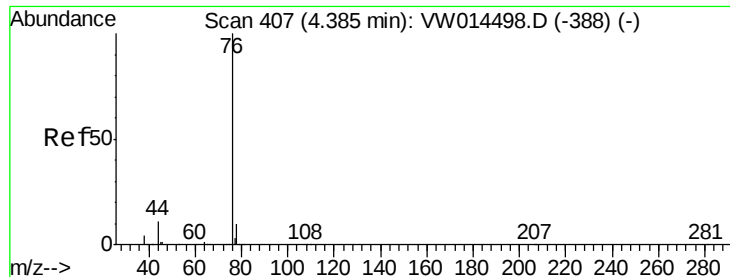
Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion:	43	Resp:	518361
Ion Ratio	Lower	Upper	
43	100		
58	34.8	26.6	39.8





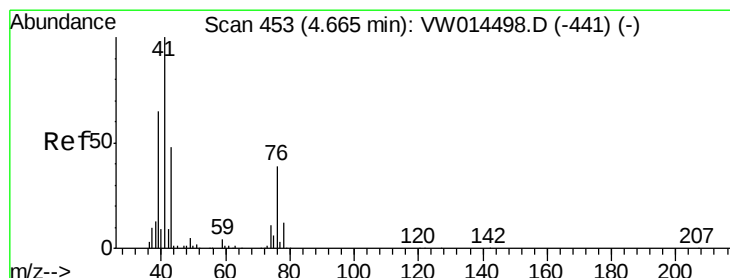
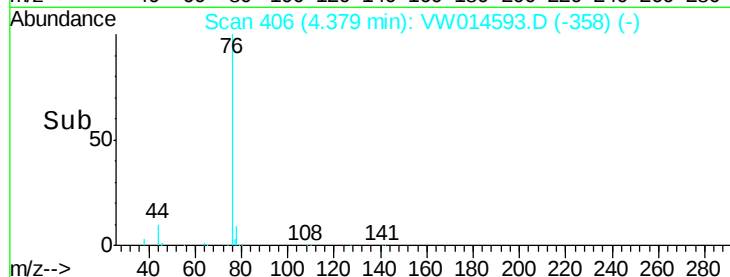
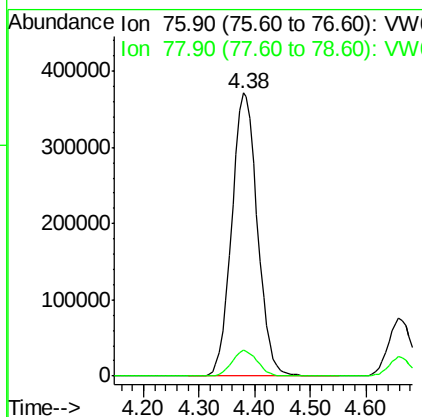
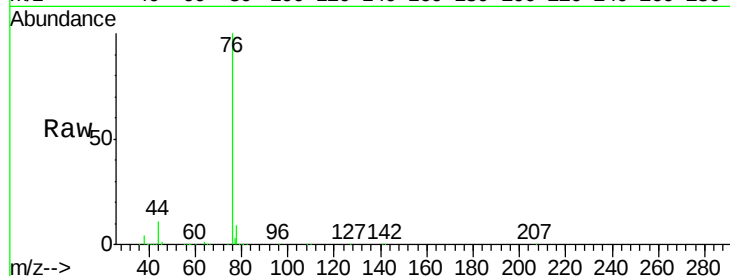
#17
Carbon Disulfide
Concen: 50.427 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 1182512
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6

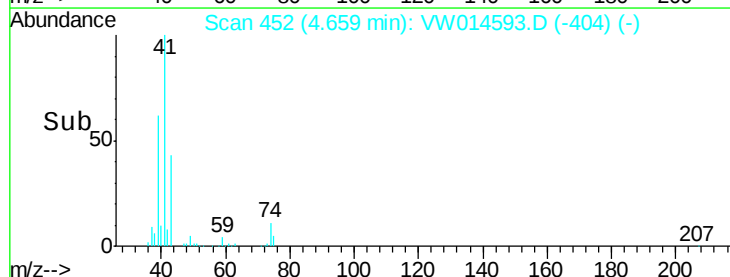
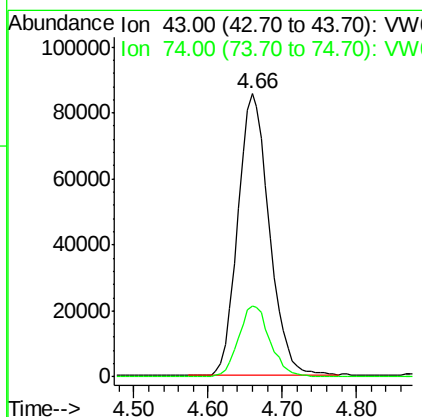
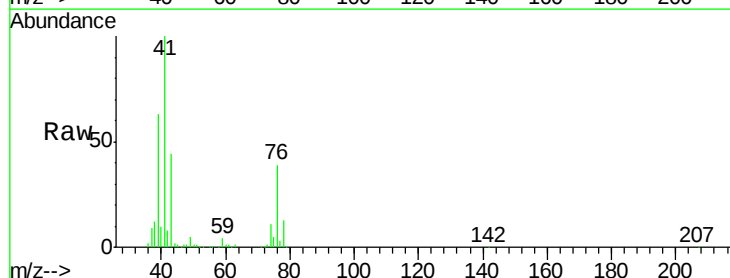
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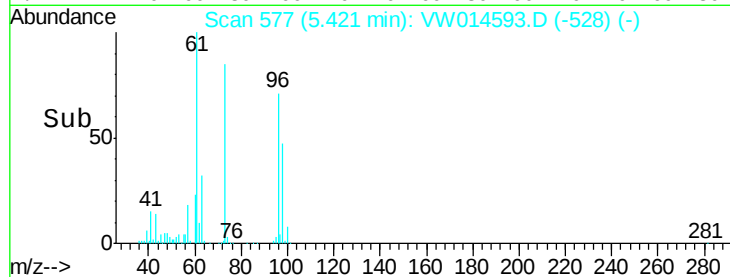
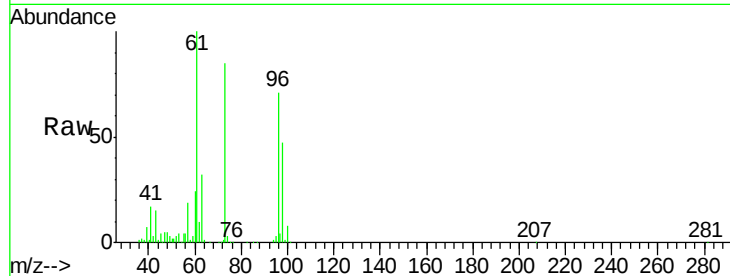
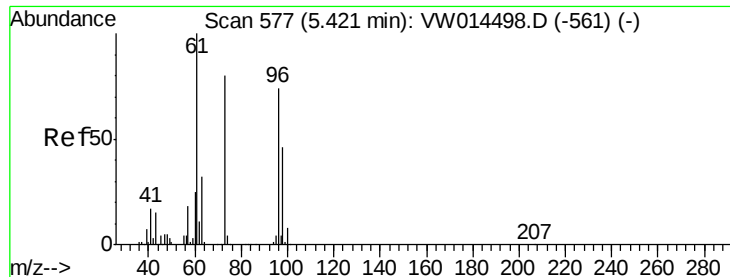
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#18
Methyl Acetate
Concen: 54.457 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 43 Resp: 253856
Ion Ratio Lower Upper
43 100
74 25.5 19.3 28.9





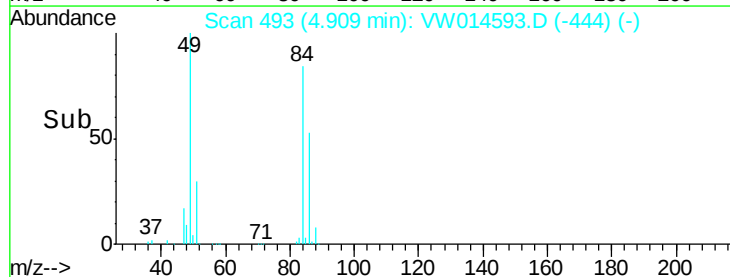
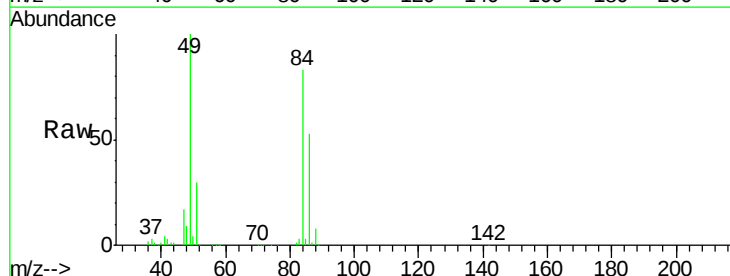
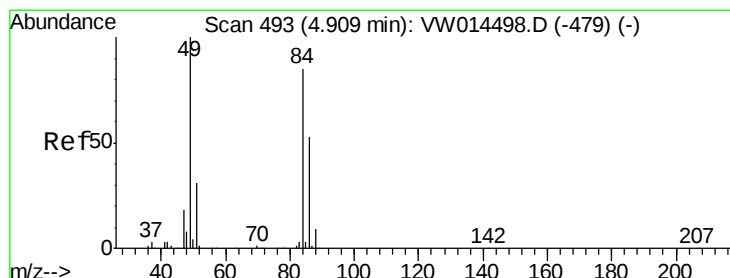
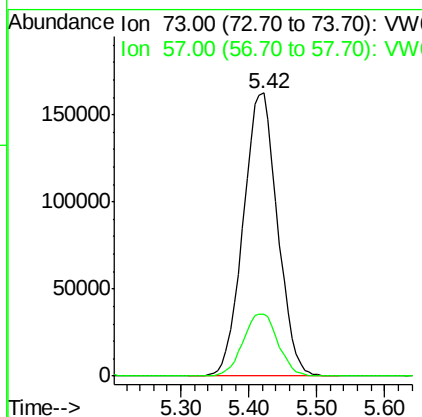
#19
Methvl tert-butvl Ether
Concen: 58.815 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tot Ion: 73 Resp: 568029
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

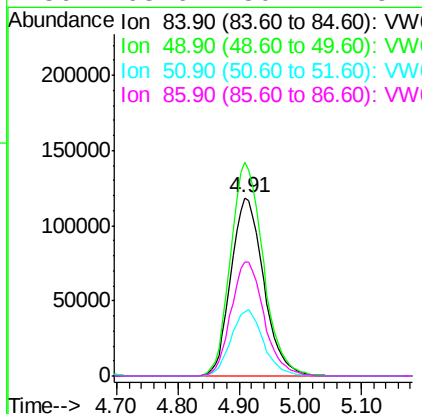
Manual Integrations
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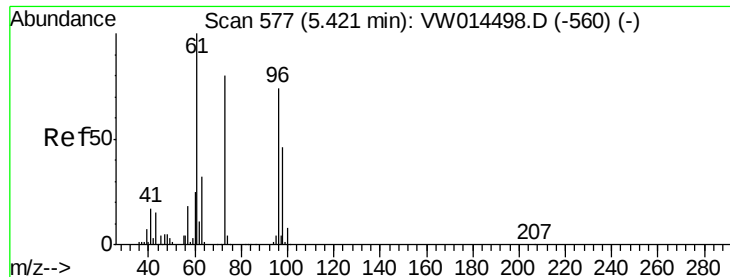
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#20
Methylene Chloride
Concen: 57.000 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 84 Resp: 440056
Ion Ratio Lower Upper
84 100
49 119.9 94.4 141.6
51 35.6 29.5 44.3
86 63.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 53.241 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

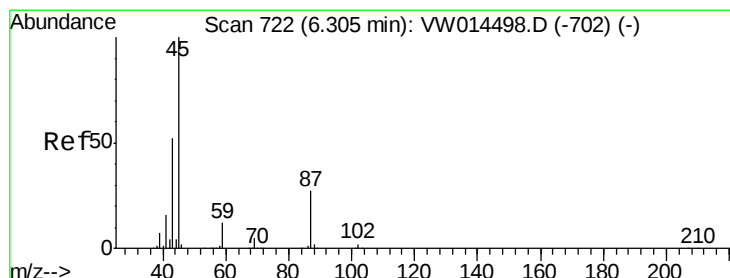
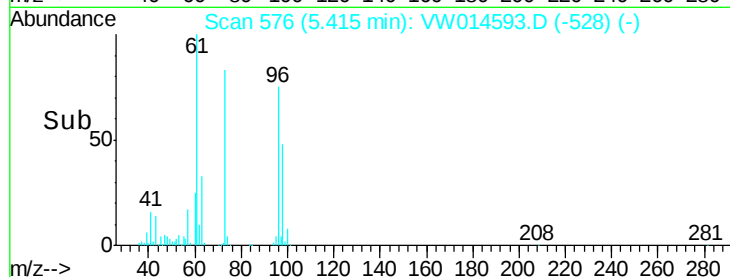
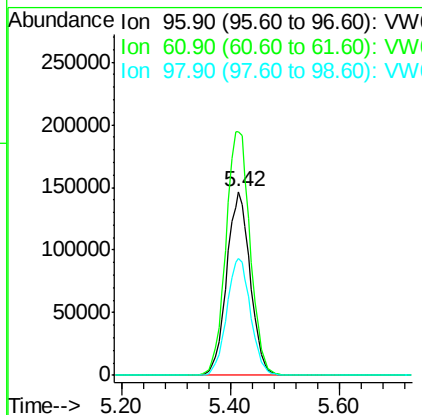
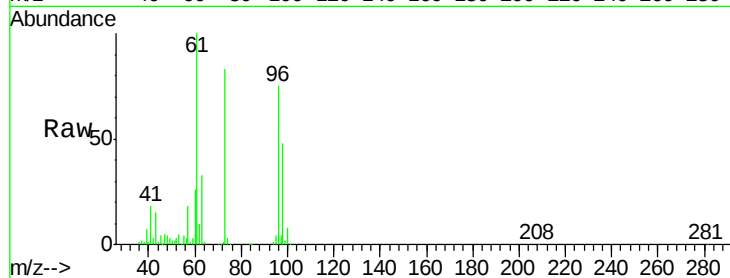
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	439842
Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.8	161.6
98	63.5	49.4	74.0

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#22

Diisopropyl ether

Concen: 54.007 ug/l

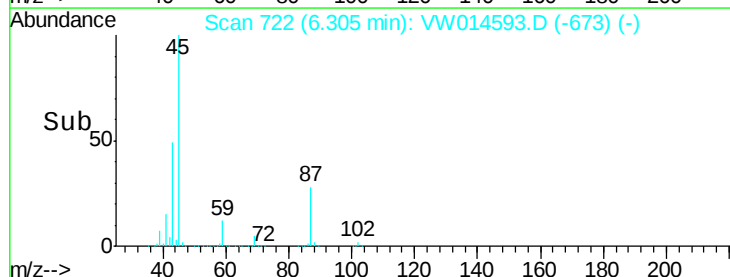
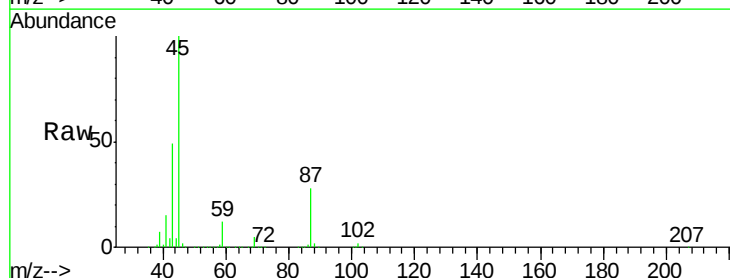
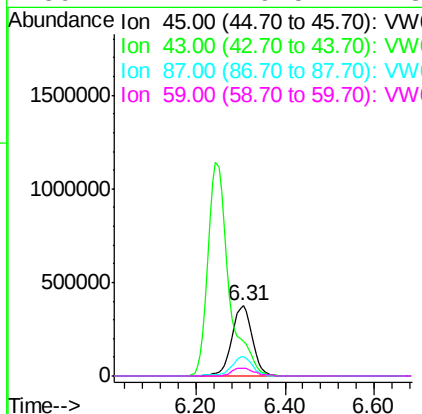
RT: 6.31 min Scan# 722

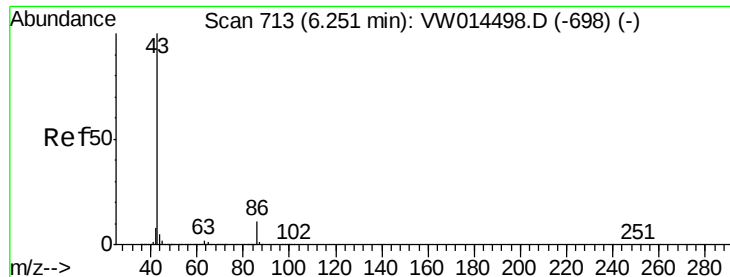
Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion:	45	Resp:	1201880
Ion	Ratio	Lower	Upper
45	100		
43	49.3	41.4	62.0
87	27.6	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 276.350 ug/l

RT: 6.24 min Scan# 712

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tot Ion: 43 Resp: 3713686

Ion Ratio Lower Upper

43 100

86 11.0 8.8 13.2

Instrument :

MSVOA_W

ClientSampleId :

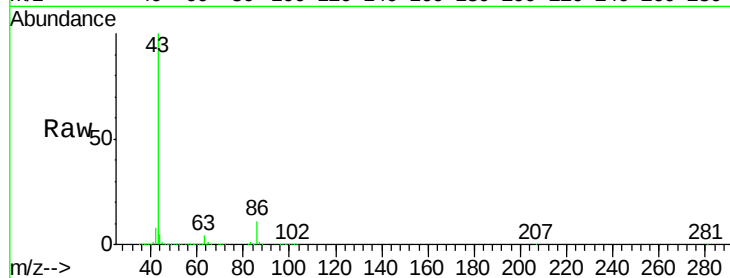
VSTDCCC050EC

Manual Integrations

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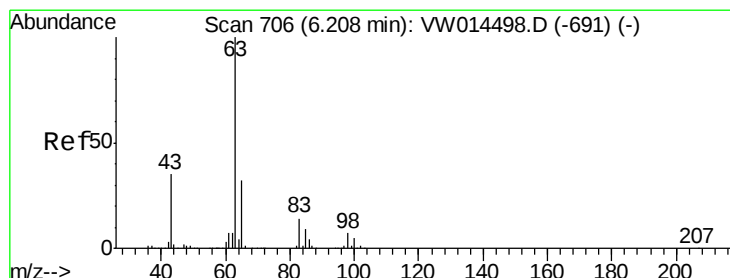
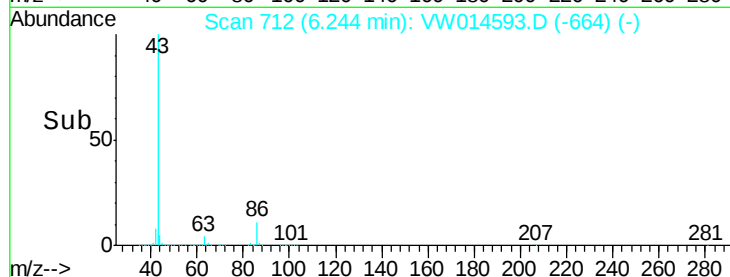
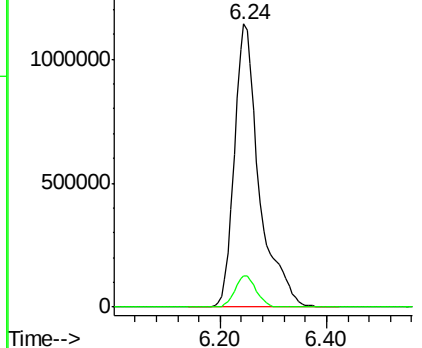
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.371 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

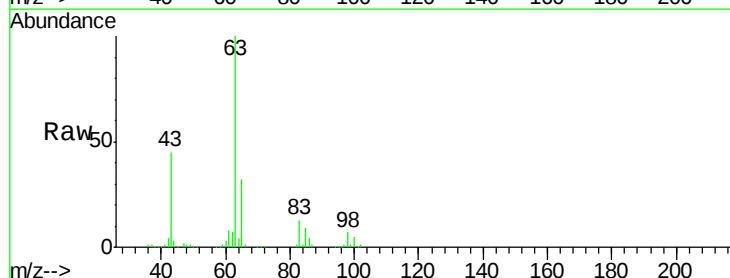
Tgt Ion: 63 Resp: 749210

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

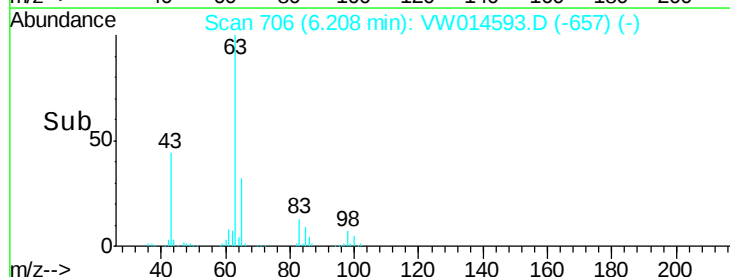
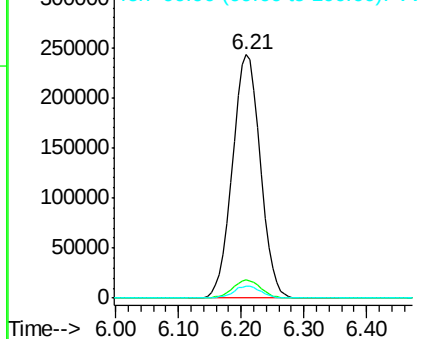
100 5.0 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





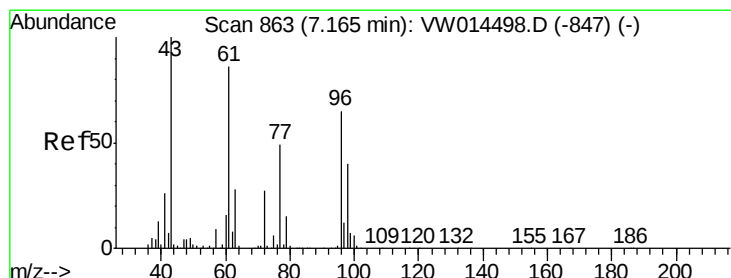
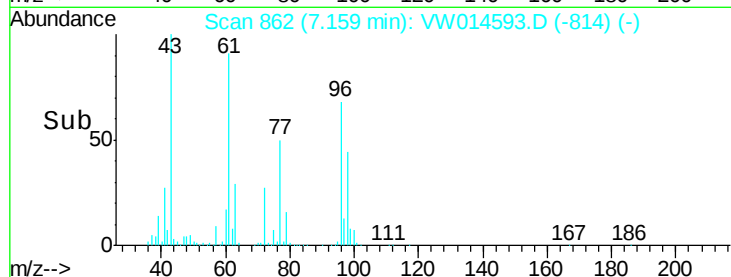
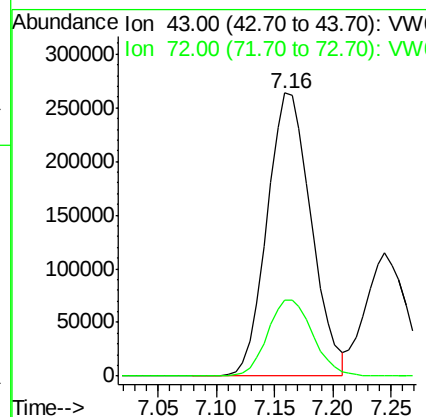
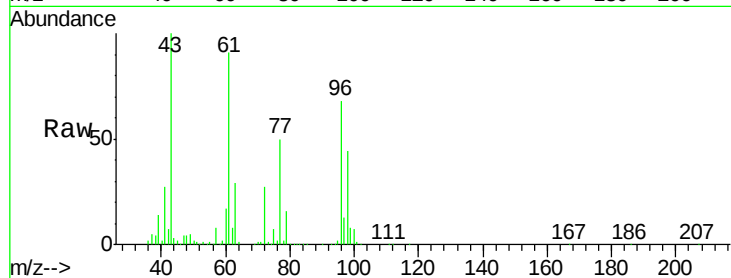
#25
2-Butanone
Concen: 279.559 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 692469
Ion Ratio Lower Upper
43 100
72 27.0 21.9 32.9

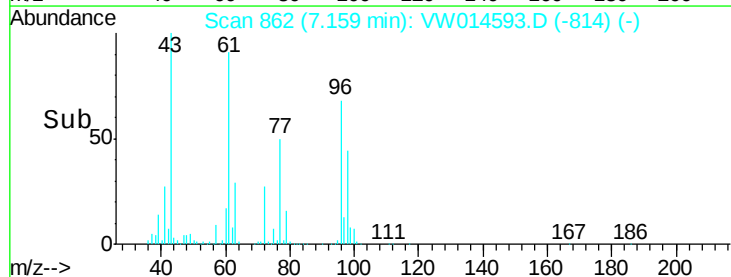
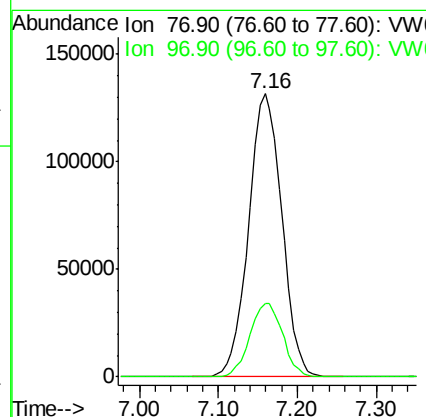
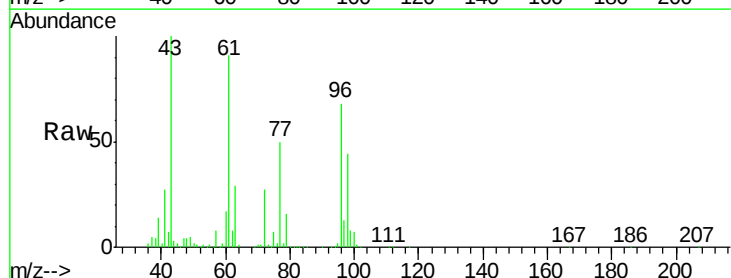
Manual Integrations
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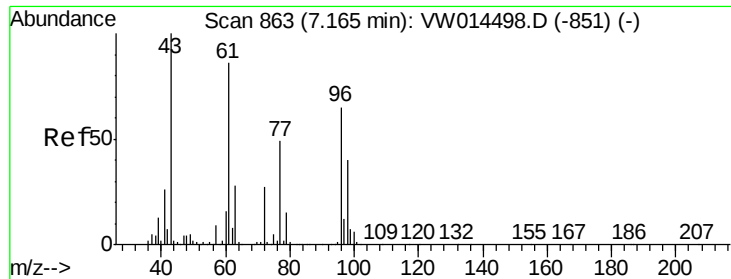
MMDadoda
1/10/2020 10:41:07 AM



#26
2,2-Dichloropropane
Concen: 49.551 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 77 Resp: 385103
Ion Ratio Lower Upper
77 100
97 25.7 12.5 37.5





#27

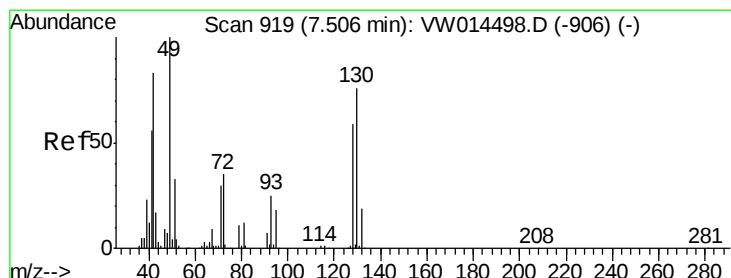
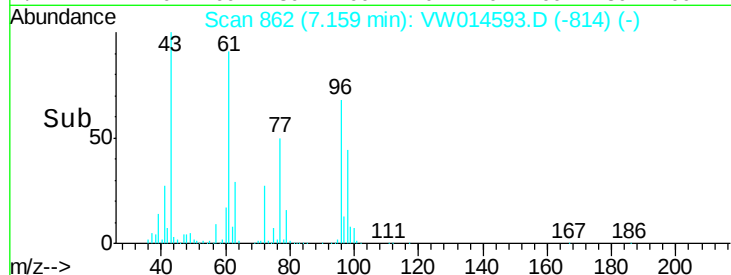
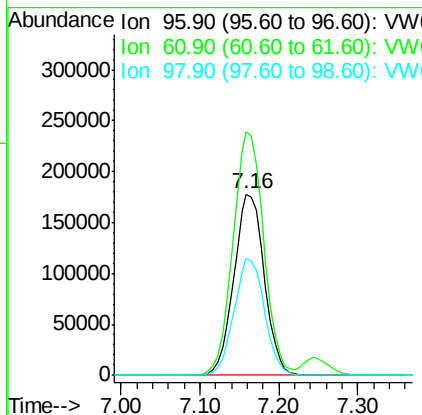
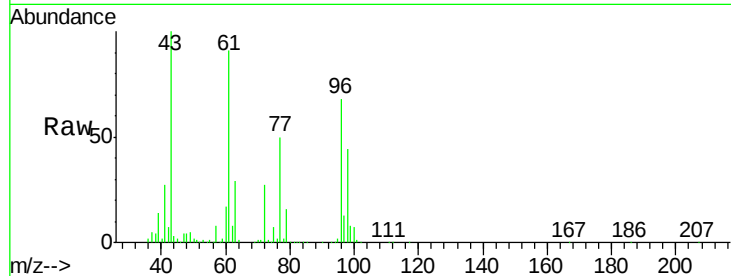
cis-1,2-Dichloroethene
 Concen: 54.870 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	274.8
98	64.4	0.0	128.6

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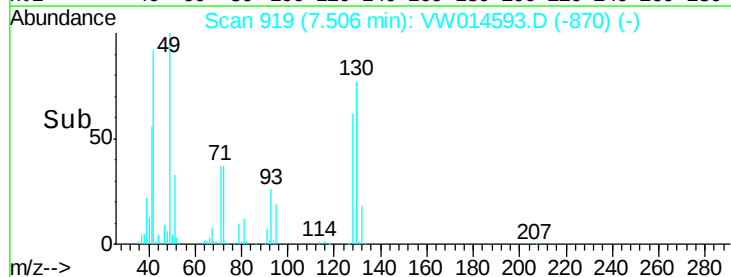
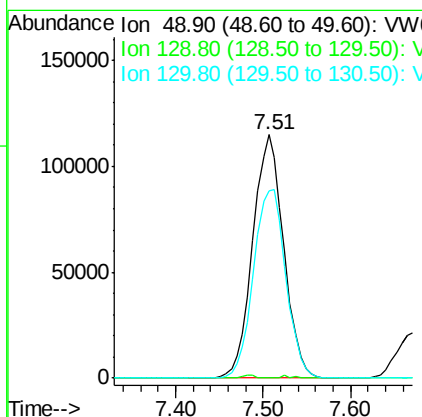
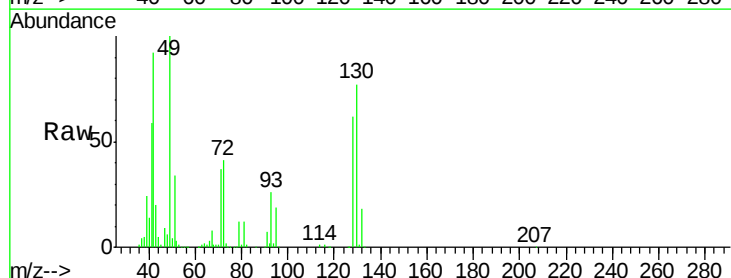
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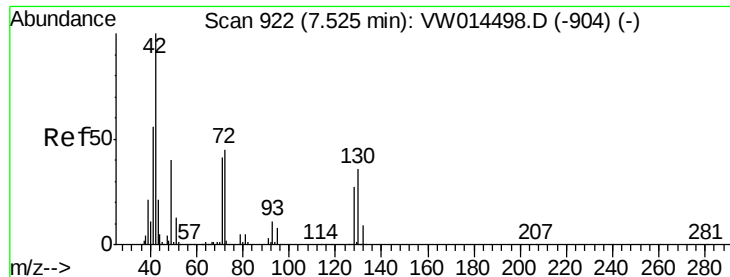


#28

Bromochloromethane
 Concen: 51.050 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	2.0
130	81.6	62.5	93.7





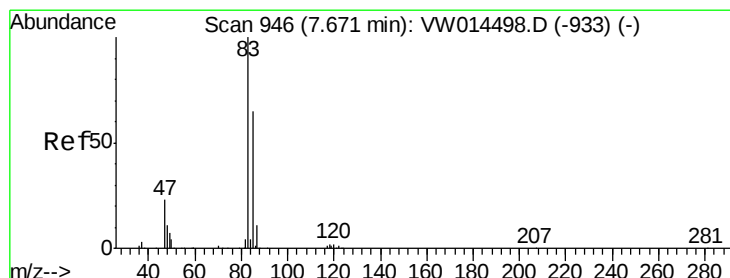
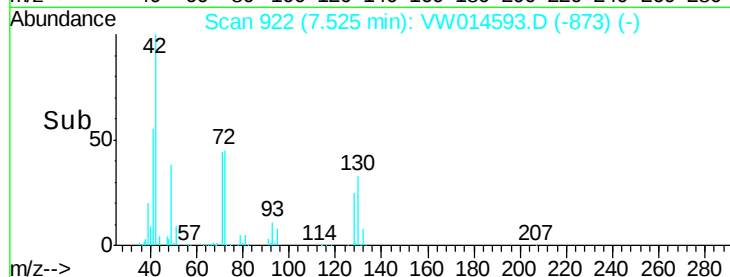
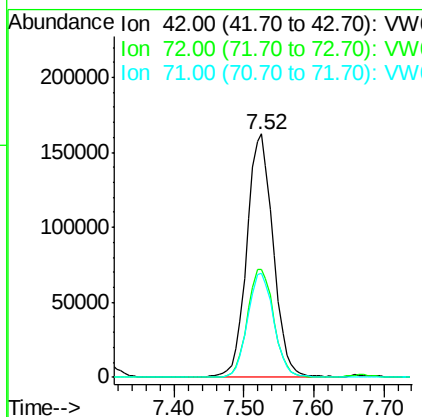
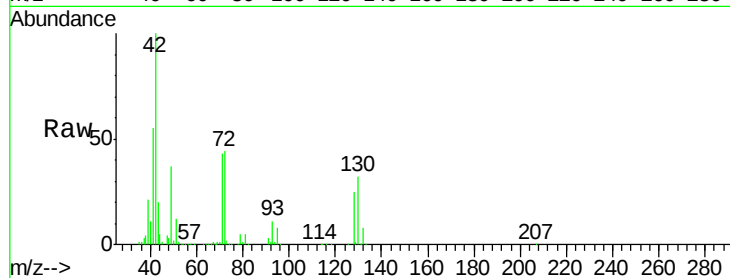
#29
Tetrahydrofuran
Concen: 276.359 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.5	51.7
71	42.6	32.0	48.0

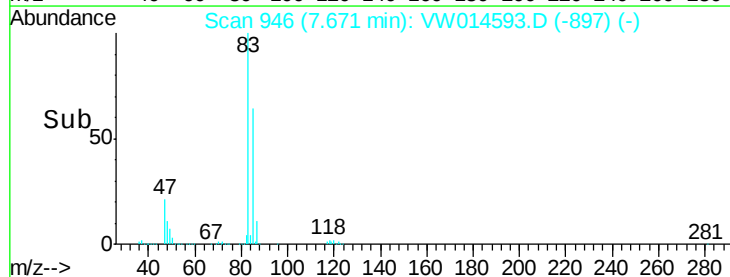
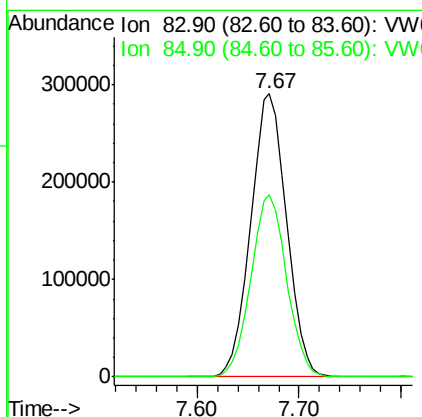
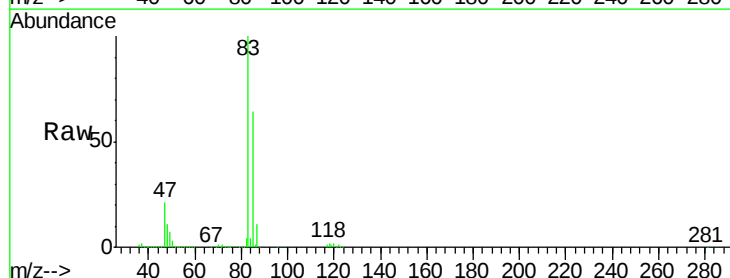
Manual Integrations
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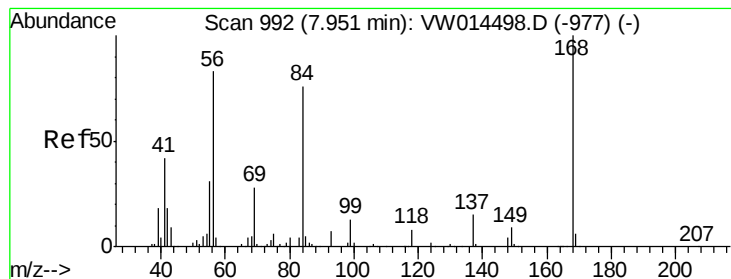
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#30
Chloroform
Concen: 54.058 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.2





#31

Cyclohexane

Concen: 50.346 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

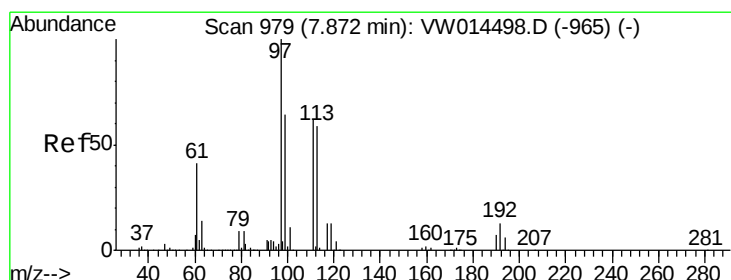
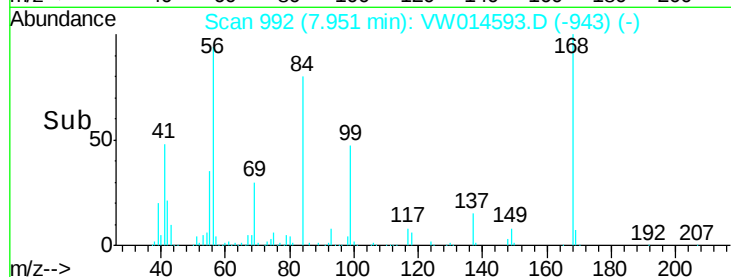
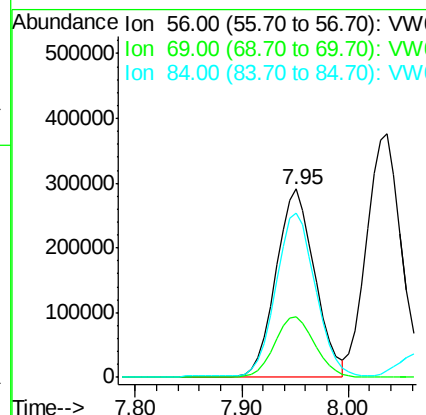
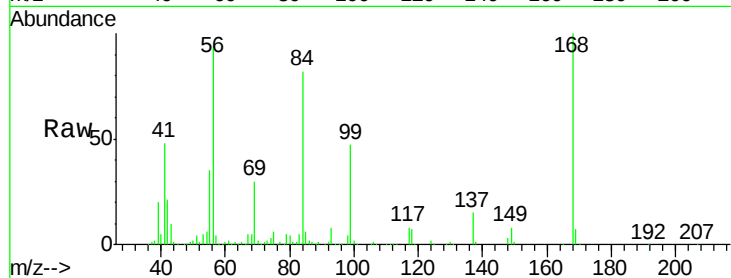
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	734474
Ion Ratio	Lower	Upper	
56	100		
69	32.1	26.8	40.2
84	86.6	71.8	107.6

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#32

1,1,1-Trichloroethane

Concen: 53.668 ug/l

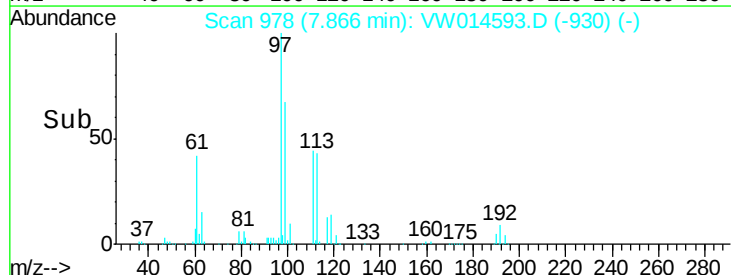
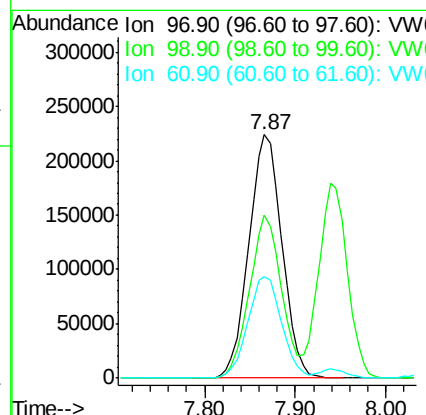
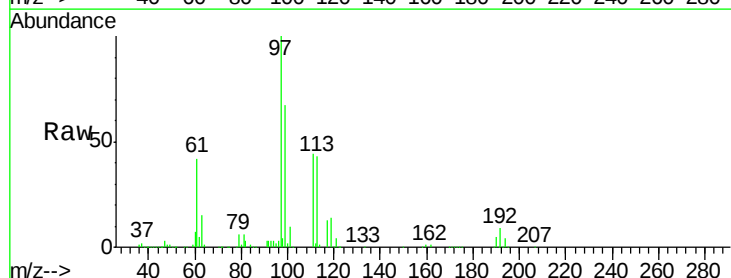
RT: 7.87 min Scan# 978

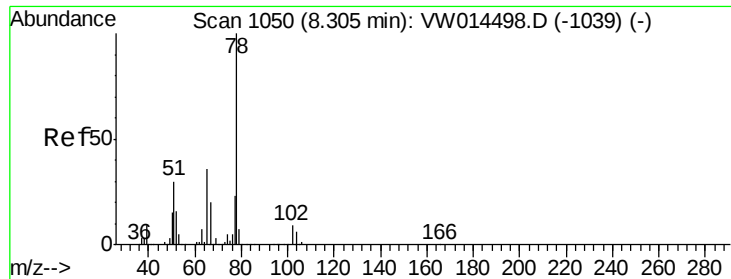
Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion:	97	Resp:	566603
Ion Ratio	Lower	Upper	
97	100		
99	64.2	51.8	77.6
61	42.5	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 46.947 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 320909

Ion Ratio Lower Upper

65 100

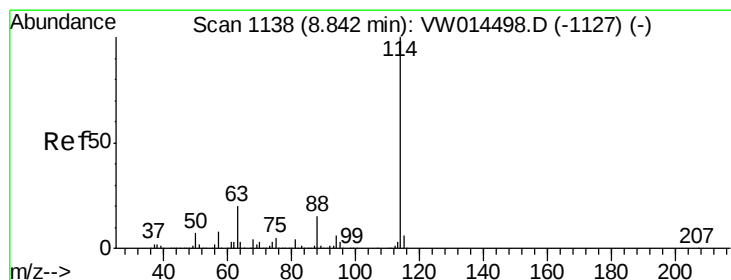
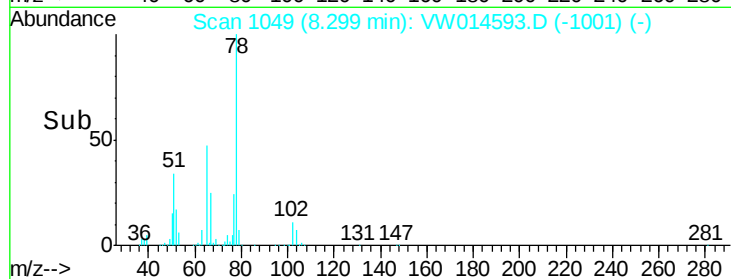
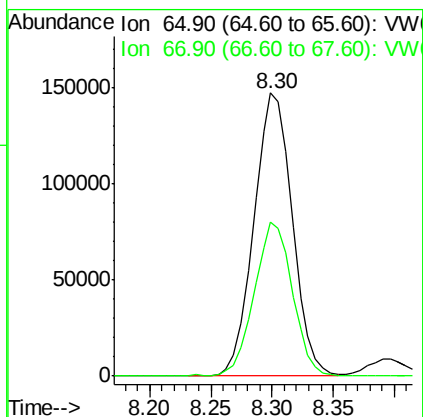
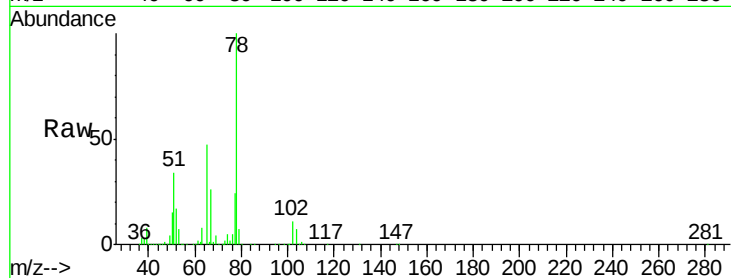
67 54.2 0.0 108.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

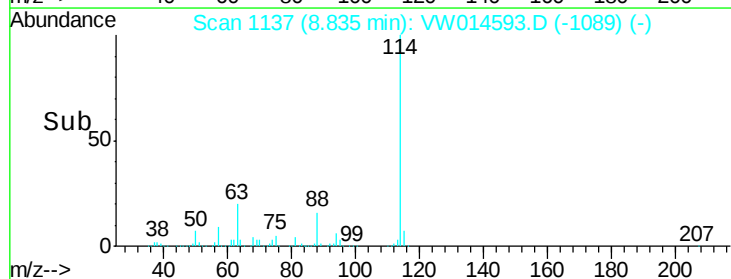
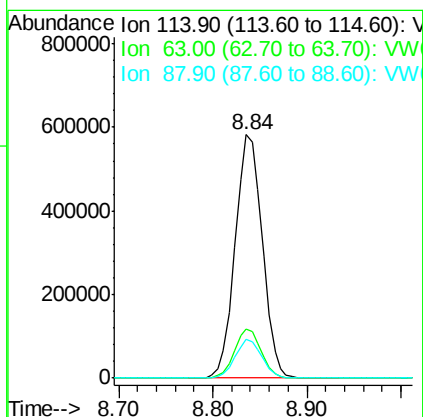
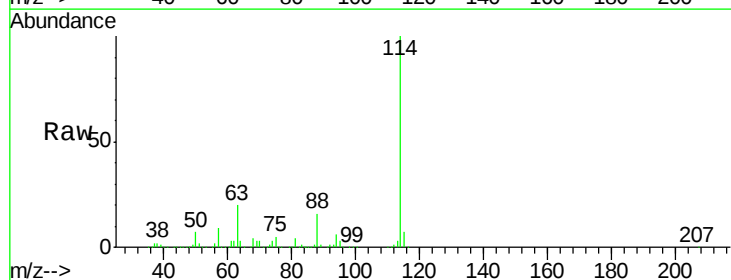
Tgt Ion: 114 Resp: 1164421

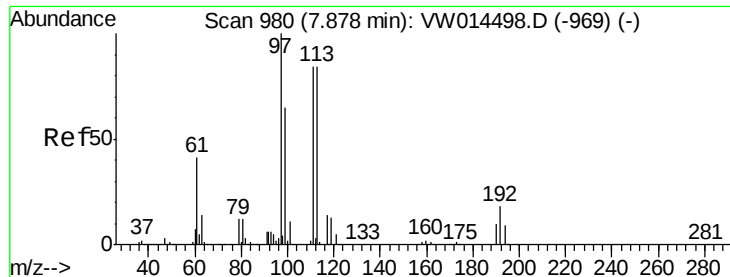
Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 16.1 0.0 30.6





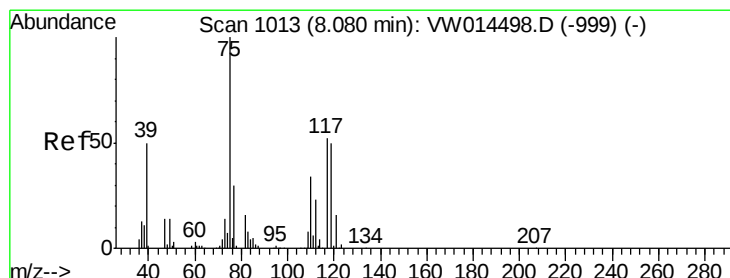
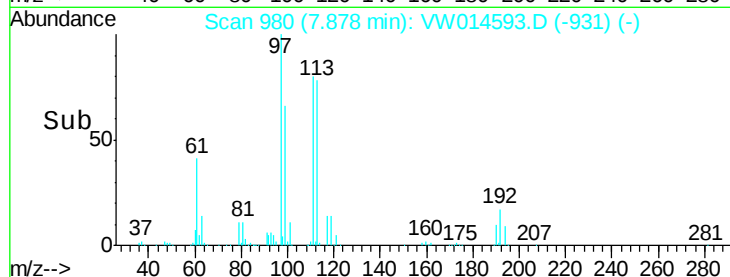
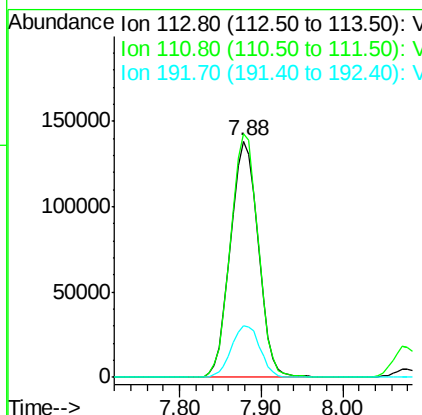
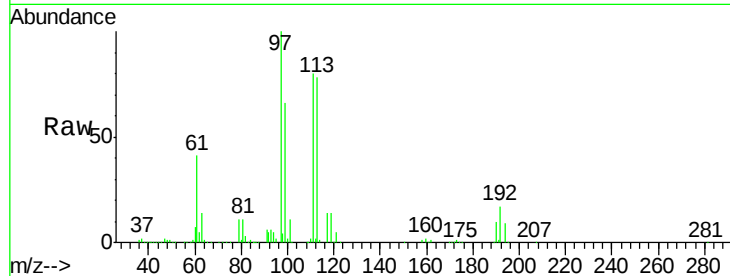
#35
Dibromofluoromethane
Concen: 49.057 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.2
192	22.4	17.8	26.8

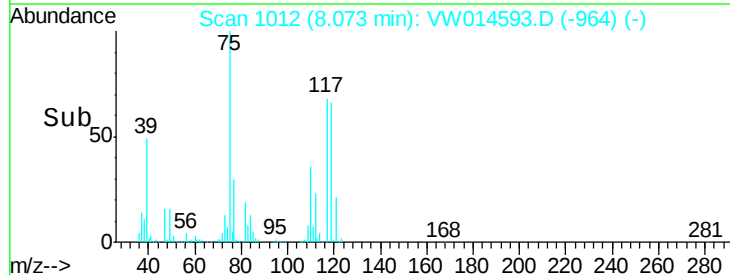
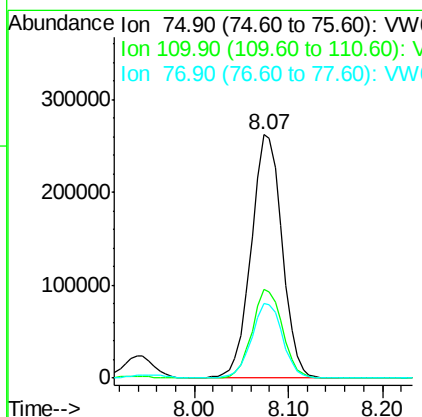
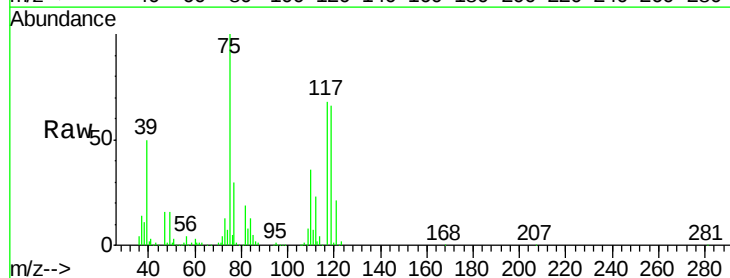
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APPROVED

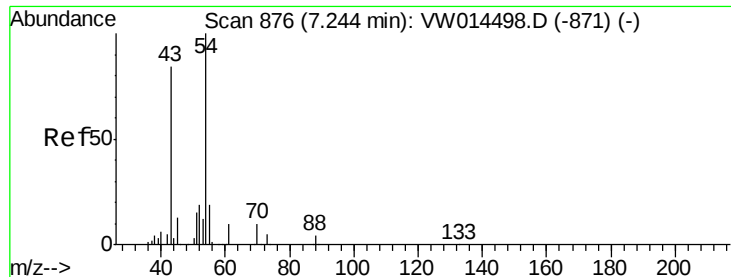
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#36
1,1-Dichloropropene
Concen: 53.523 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.8	53.5
77	30.6	24.7	37.1





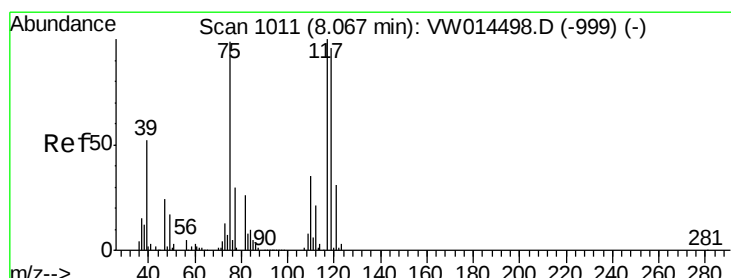
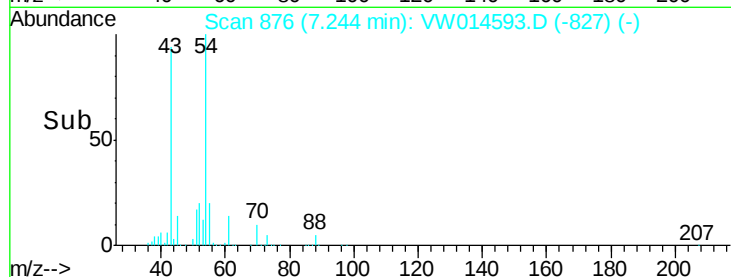
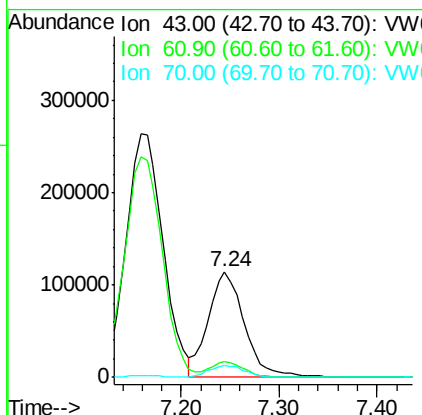
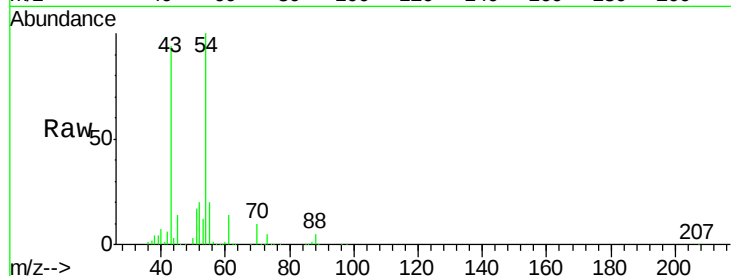
#37
Ethyl Acetate
Concen: 56.506 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.7	17.5
70	11.4	9.0	13.6

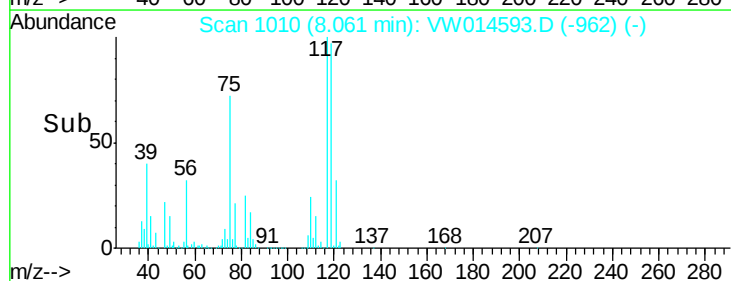
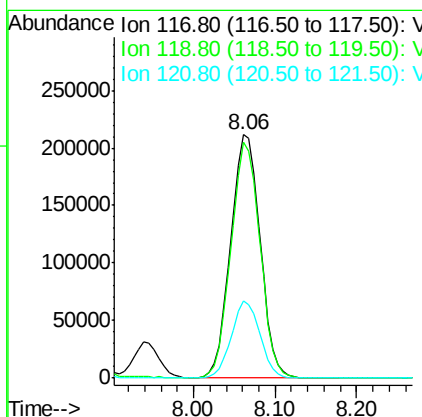
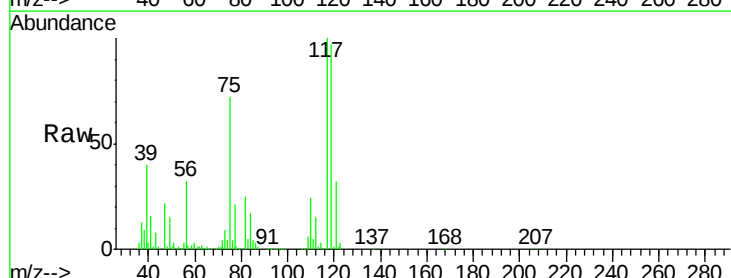
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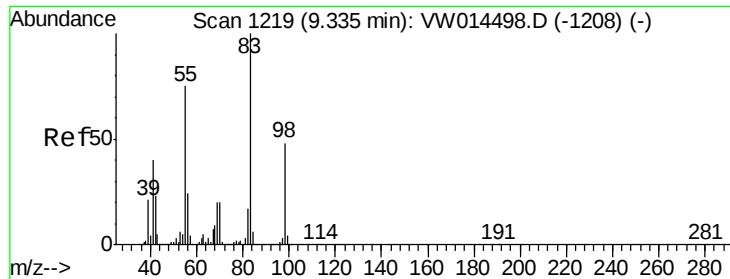
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#38
Carbon Tetrachloride
Concen: 54.132 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.0	115.6
121	31.9	24.6	36.8





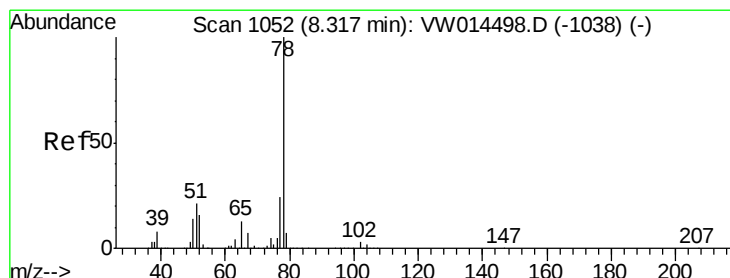
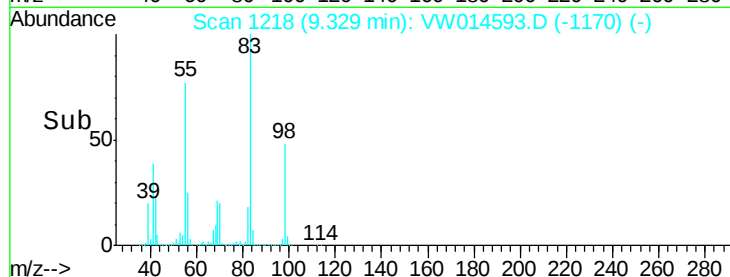
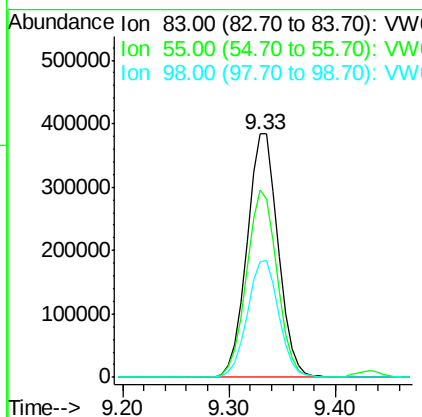
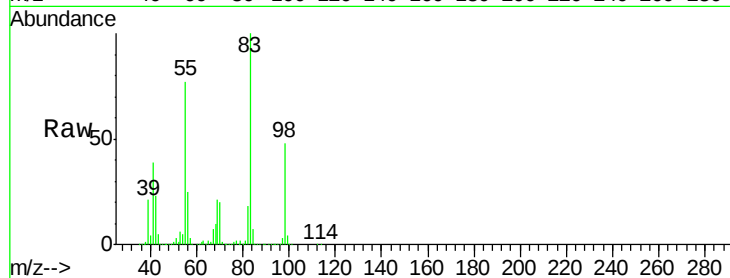
#39
Methvlcvclohexane
Concen: 54.923 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.9	60.1	90.1
98	47.6	38.8	58.2

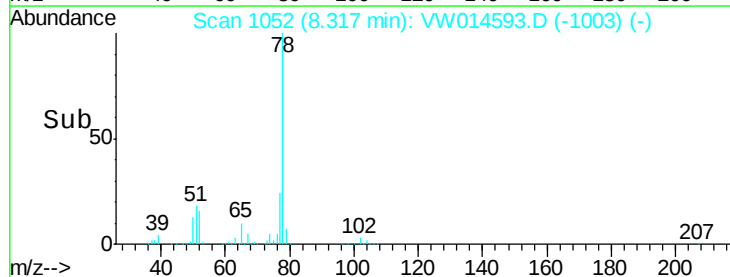
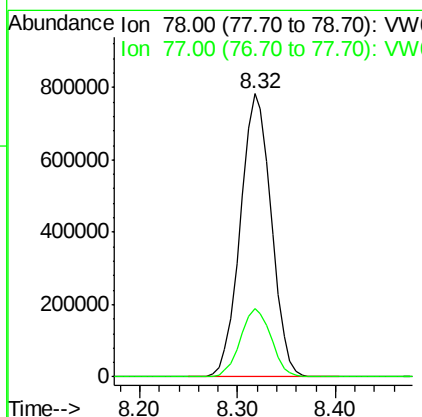
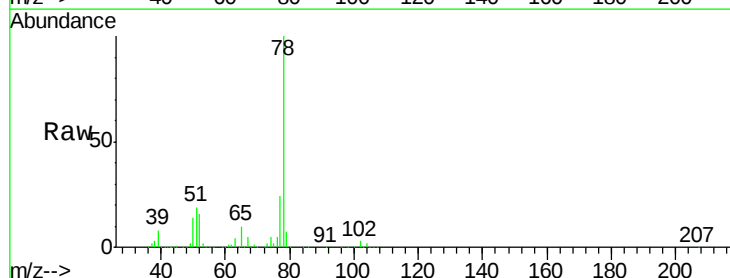
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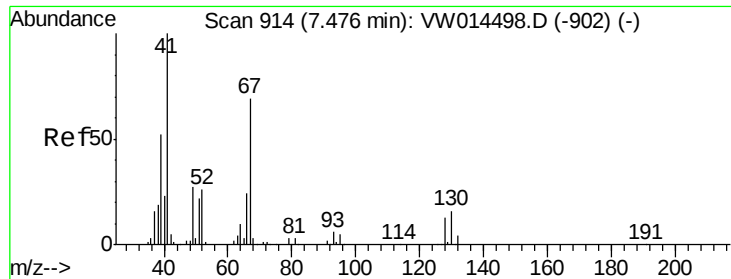
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#40
Benzene
Concen: 54.260 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





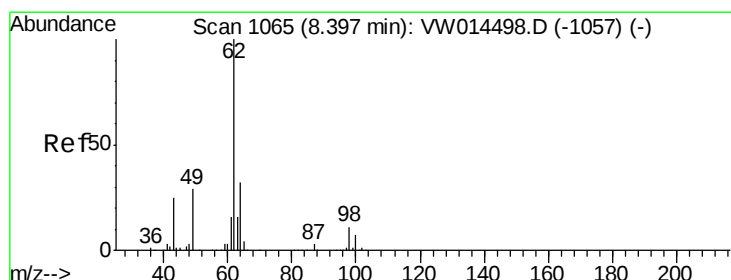
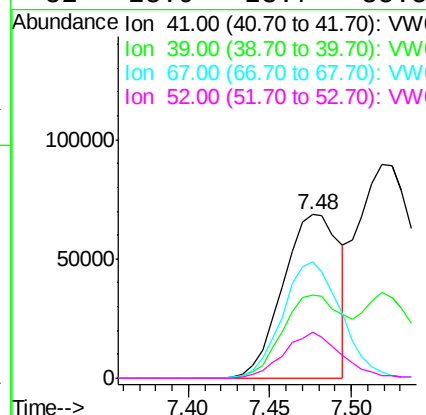
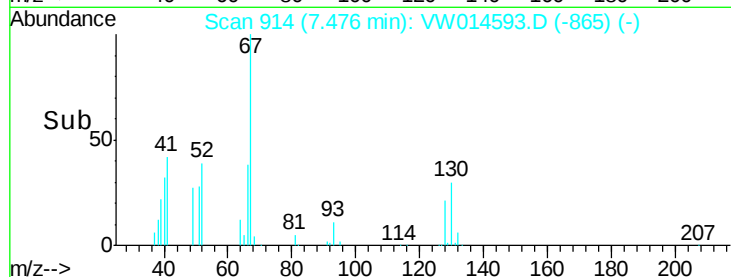
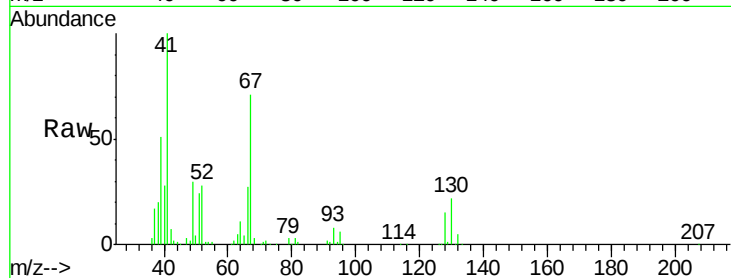
#41
Methacrylonitrile
Concen: 58.480 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	165964
Ion	Ratio	Lower	Upper
41	100		
39	55.5	46.0	69.0
67	73.5	60.8	91.2
52	28.9	23.7	35.5

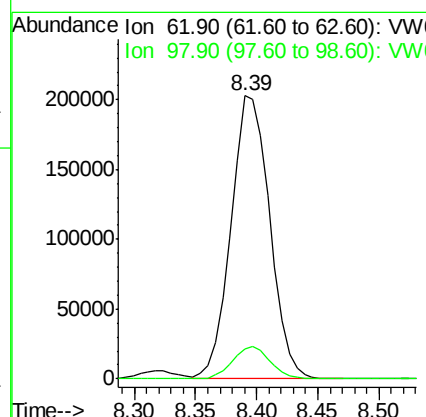
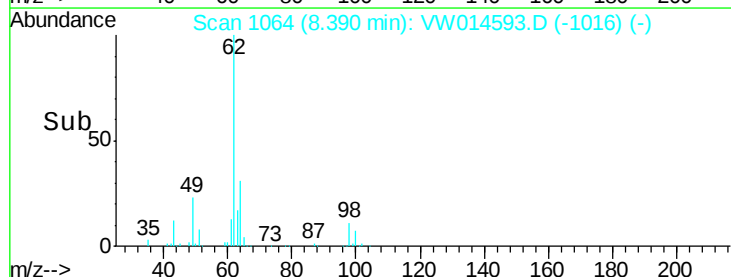
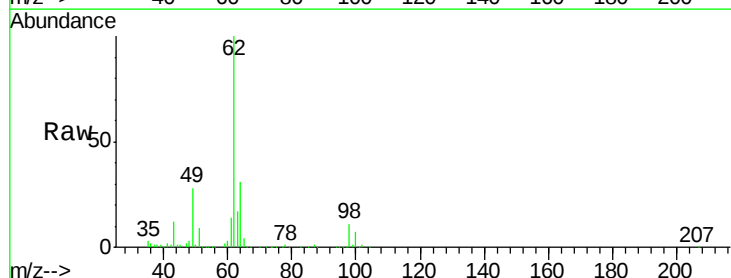
Manual Integrations
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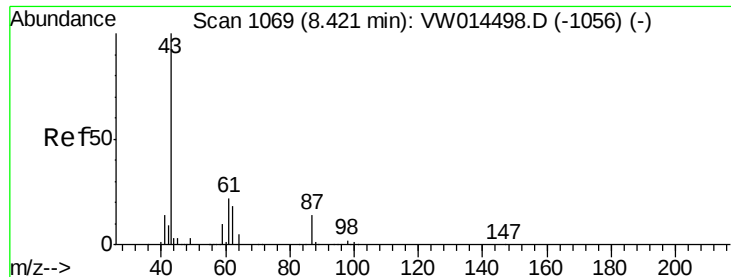
MMDadoda
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#42
1,2-Dichloroethane
Concen: 53.760 ug/l
RT: 8.39 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	62	Resp	443106
Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 57.247 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

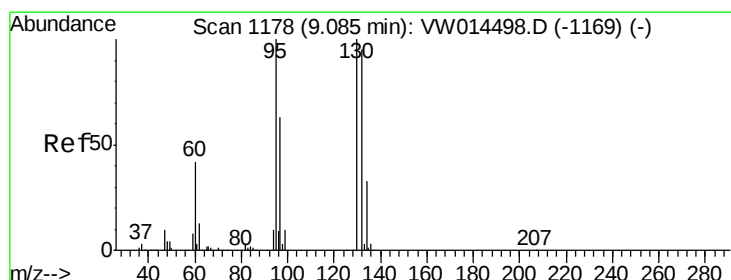
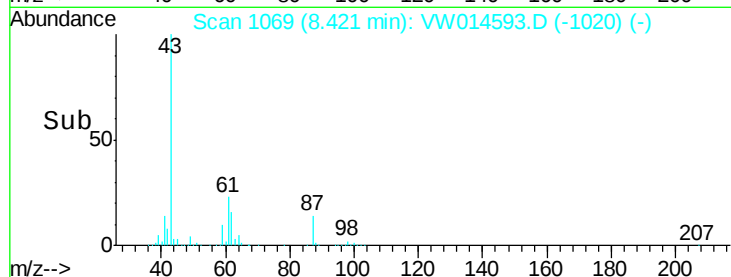
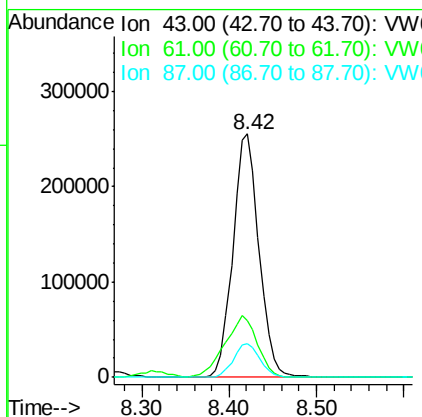
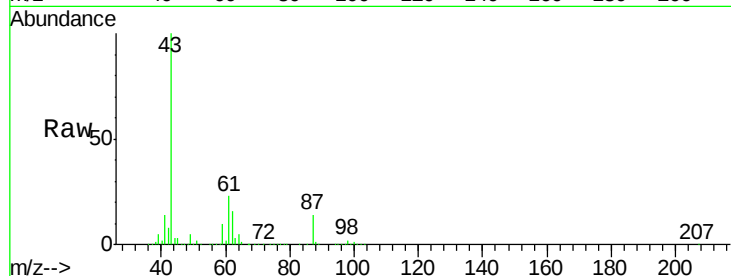
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	529245
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.7	37.1
87	13.8	11.1	16.7

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#44

Trichloroethene

Concen: 55.421 ug/l

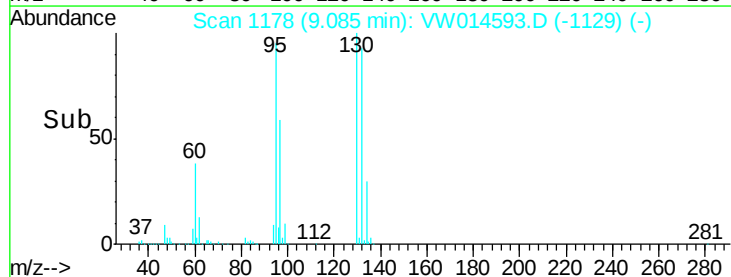
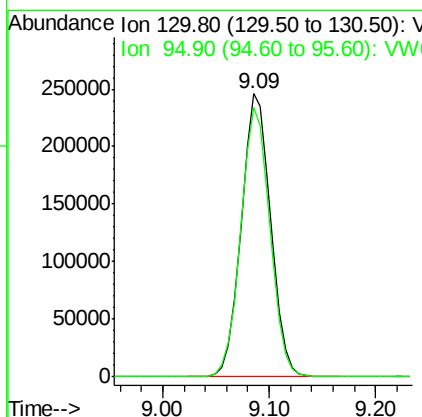
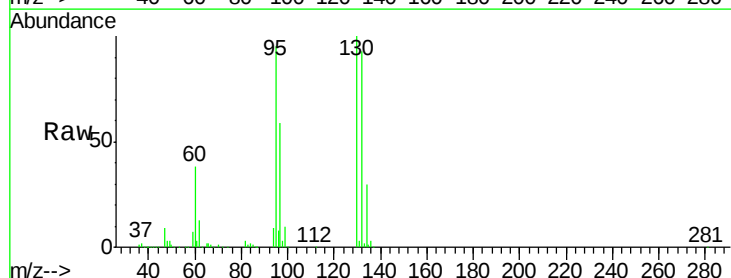
RT: 9.09 min Scan# 1178

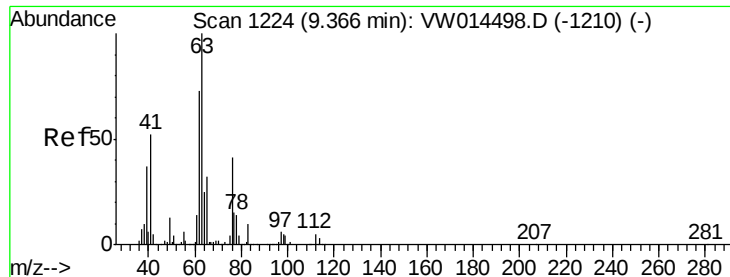
Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion:	130	Resp:	476303
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	199.4





#45

1,2-Dichloropropane

Concen: 55.145 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 429795

Ion Ratio Lower Upper

63 100

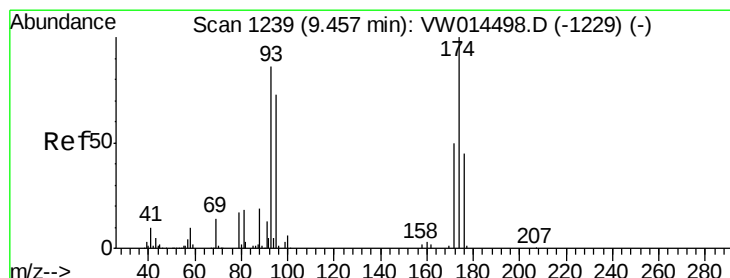
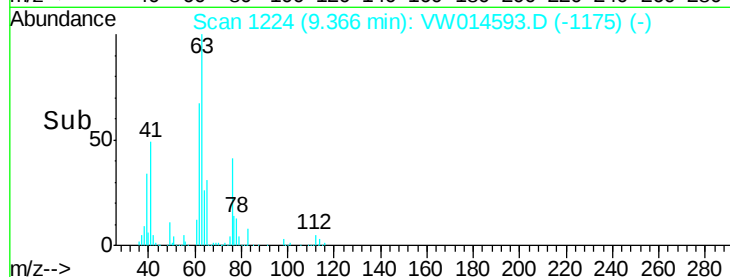
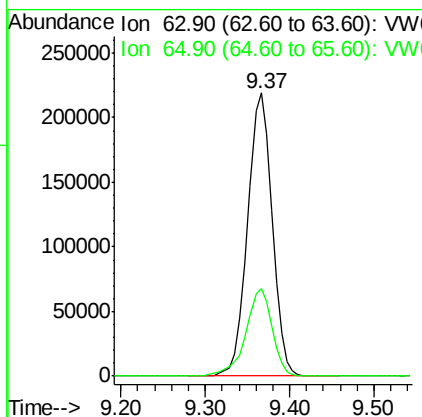
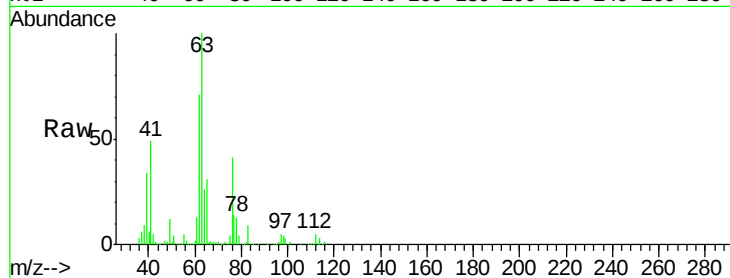
65 31.2 25.6 38.4

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#46

Dibromomethane

Concen: 55.620 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

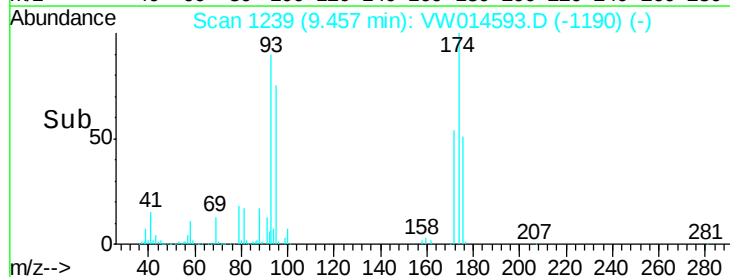
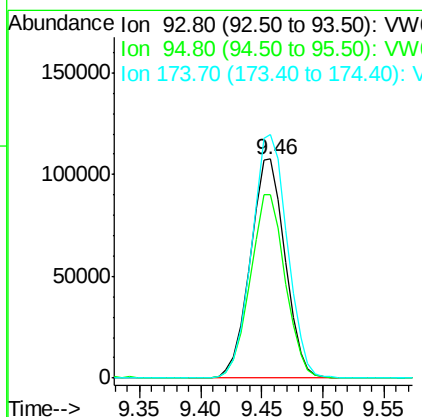
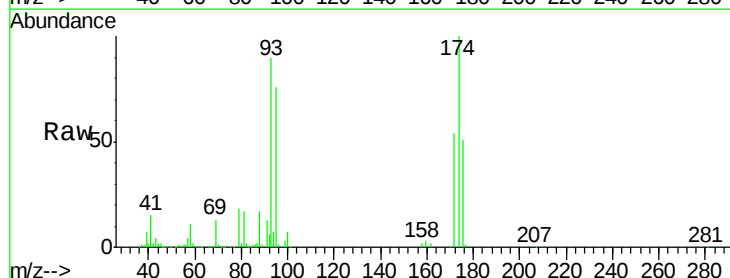
Tgt Ion: 93 Resp: 214004

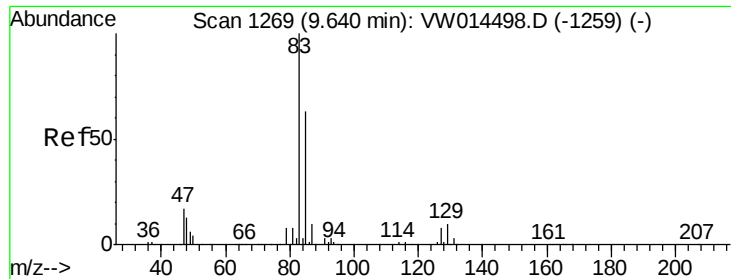
Ion Ratio Lower Upper

93 100

95 84.0 66.4 99.6

174 113.5 89.1 133.7





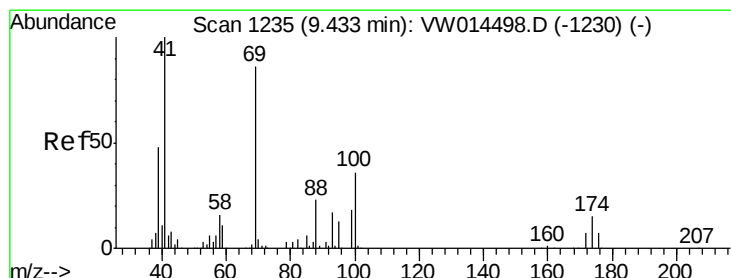
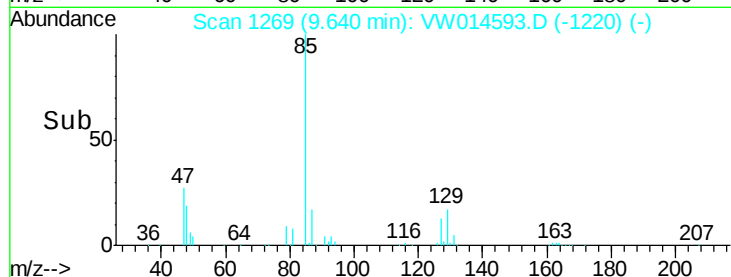
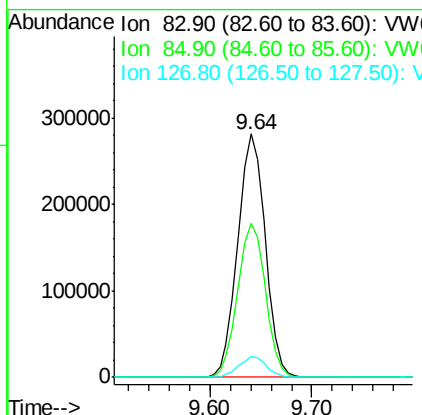
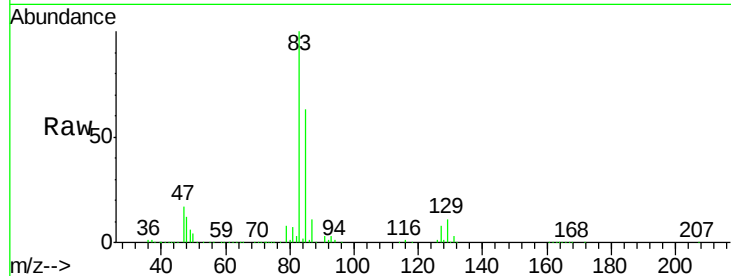
#47
Bromodichloromethane
Concen: 55.418 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	526424		
85	63.0		50.6	76.0
127	8.4		6.6	9.8

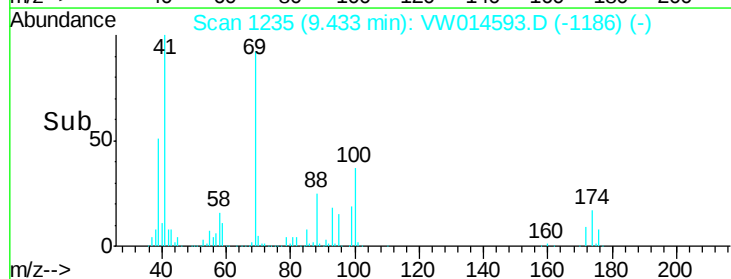
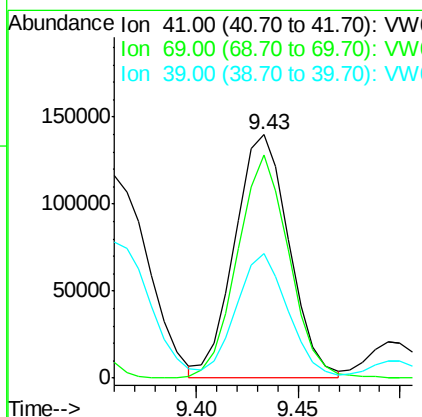
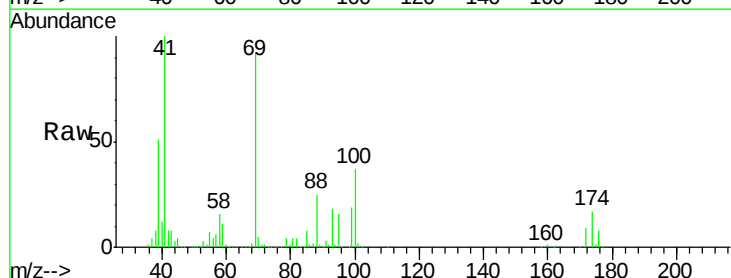
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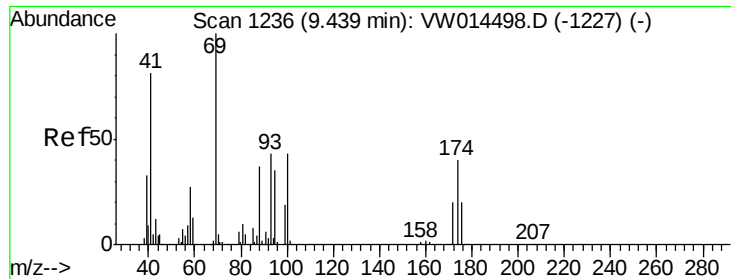
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#48
Methyl methacrylate
Concen: 57.424 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	259198		
69	86.7		68.3	102.5
39	45.9		36.8	55.2





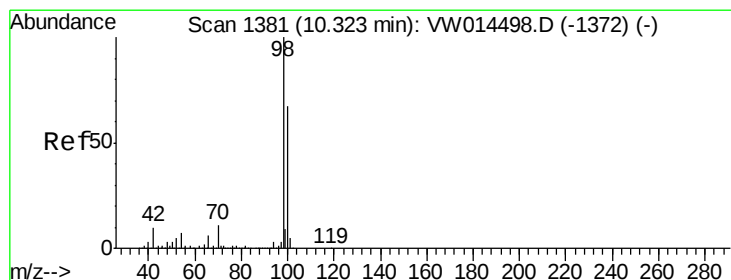
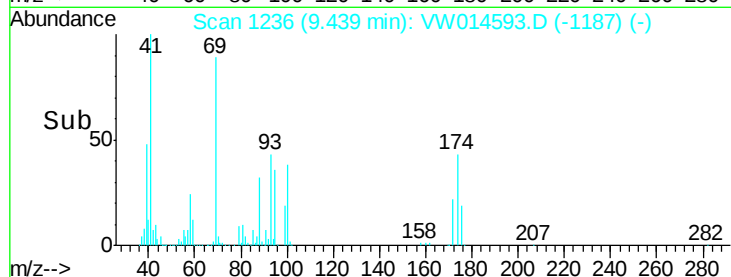
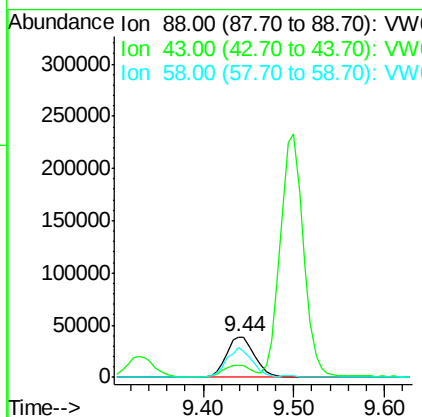
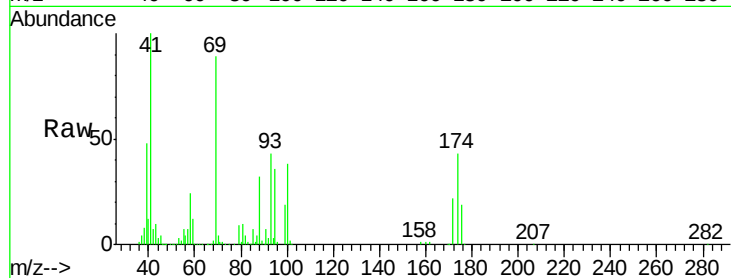
#49
1,4-Dioxane
Concen: 1156.577 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	83231
Ion Ratio	100	Lower	Upper
88	100		
43	29.8	24.9	37.3
58	67.6	56.9	85.3

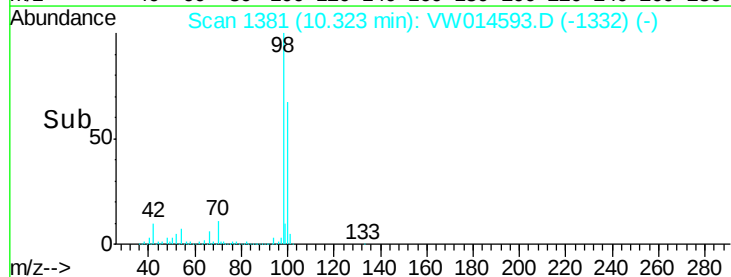
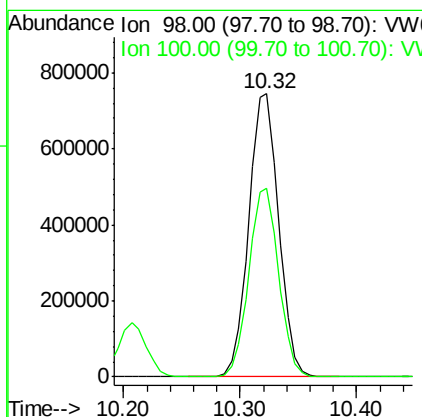
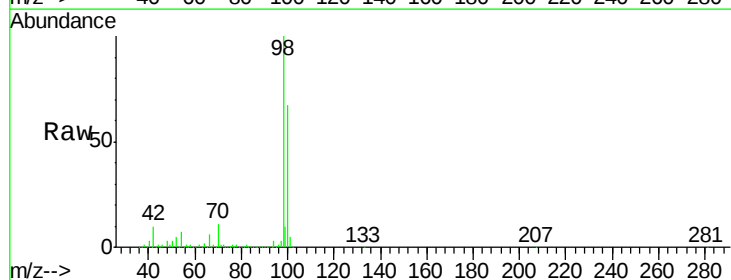
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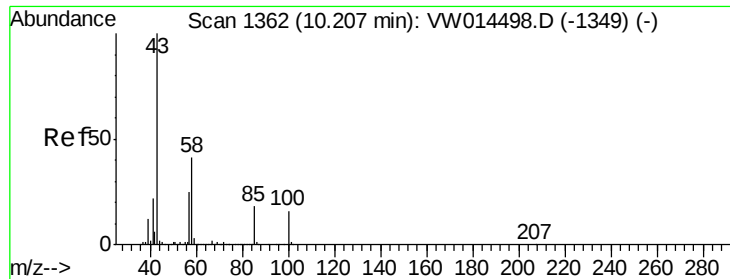
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#50
Toluene-d8
Concen: 48.134 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	98	Resp	1336794
Ion Ratio	100	Lower	Upper
98	100		
100	66.3	53.8	80.6





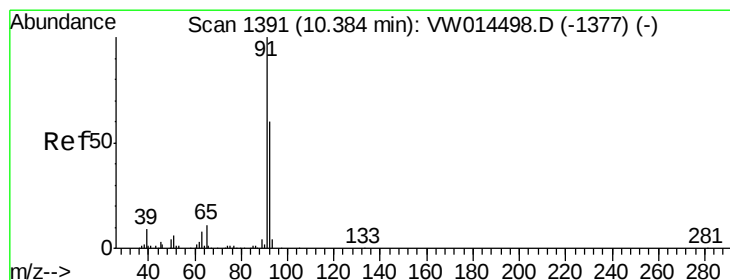
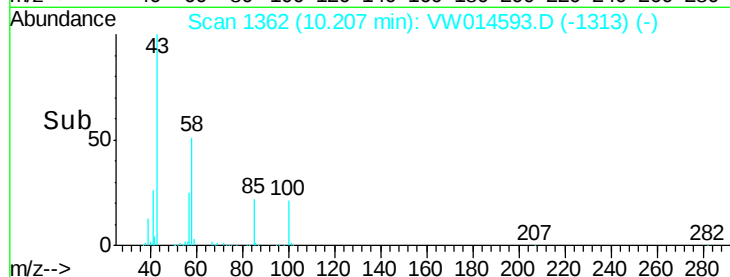
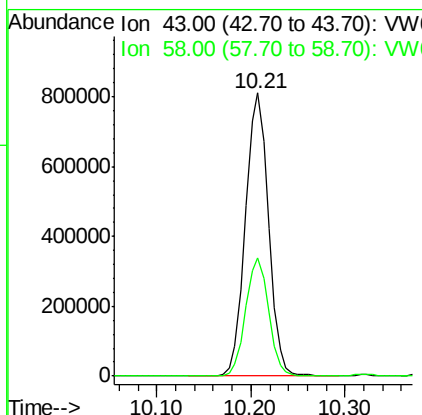
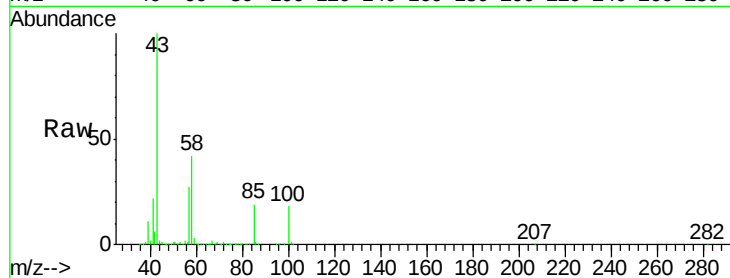
#51
4-Methyl-2-Pentanone
Concen: 290.087 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1392684
Ion Ratio Lower Upper
43 100
58 41.7 32.7 49.1

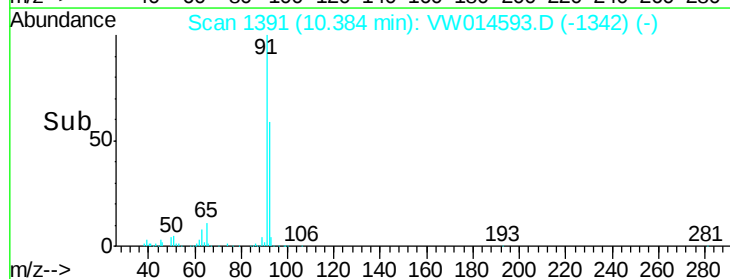
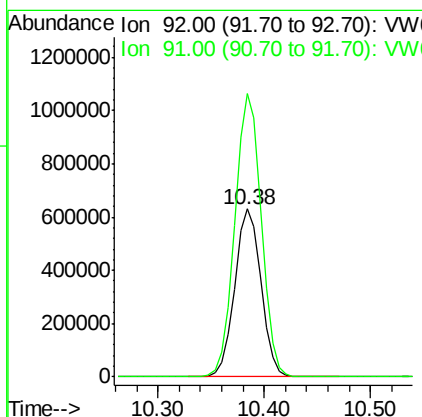
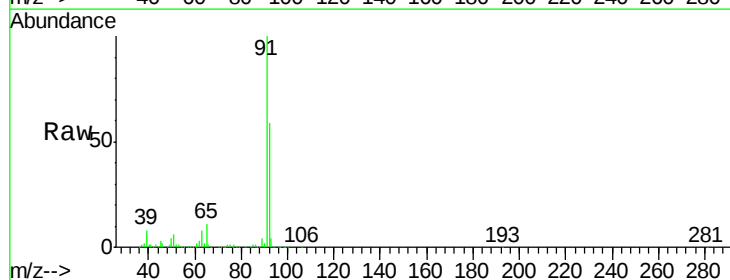
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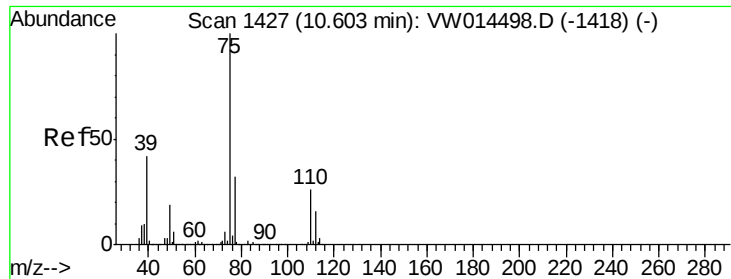
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#52
Toluene
Concen: 54.623 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 92 Resp: 1091427
Ion Ratio Lower Upper
92 100
91 169.8 134.1 201.1





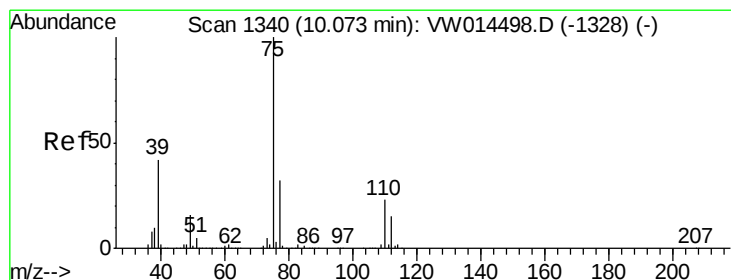
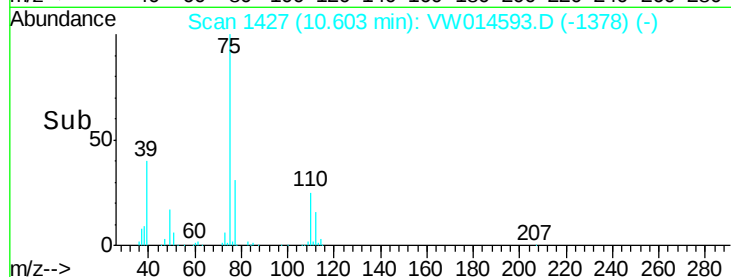
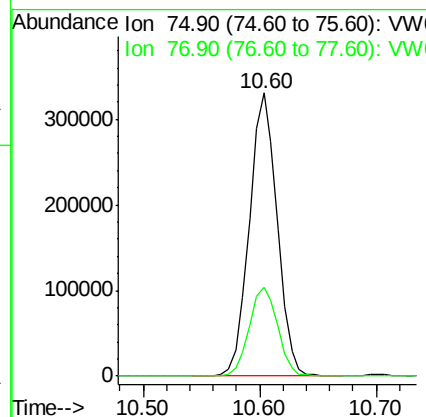
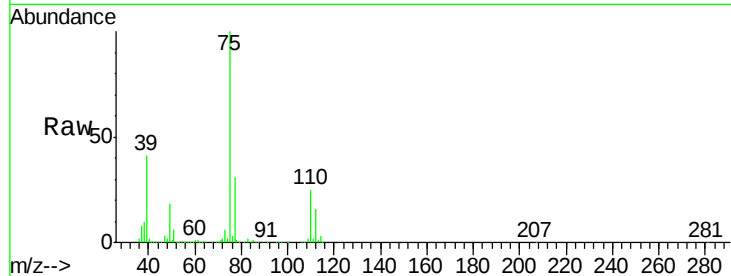
#53
t-1,3-Dichloropropene
Concen: 56.010 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 550878
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

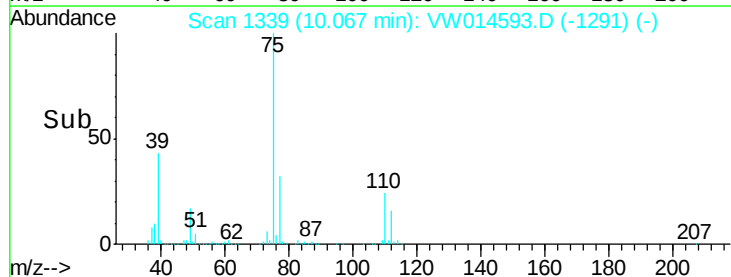
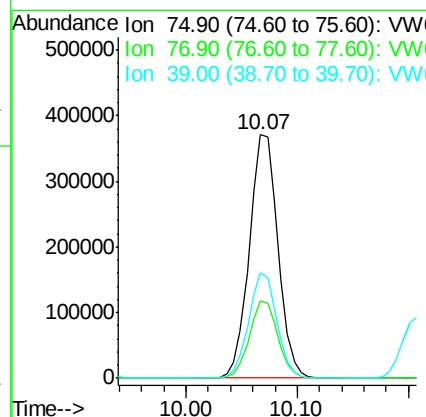
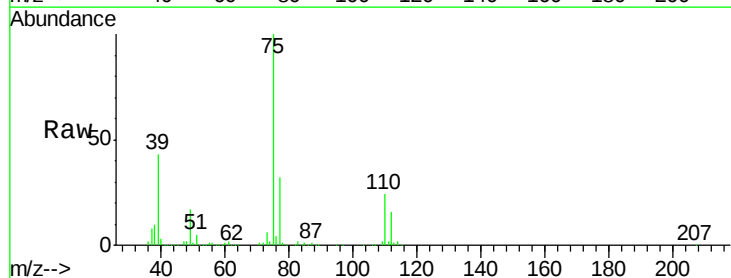
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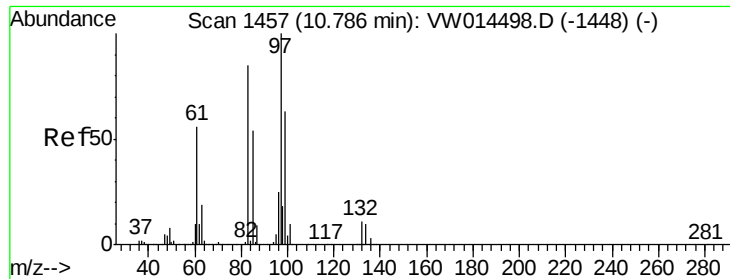
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#54
cis-1,3-Dichloropropene
Concen: 55.290 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 75 Resp: 664616
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0
39 43.4 33.4 50.2





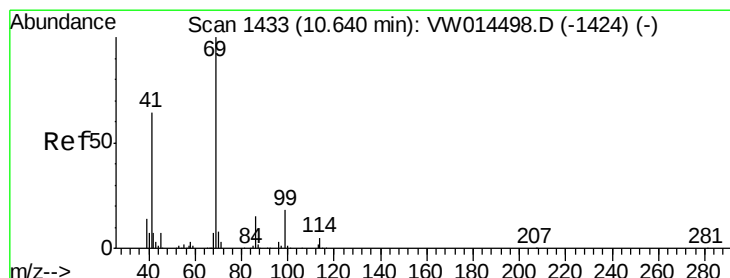
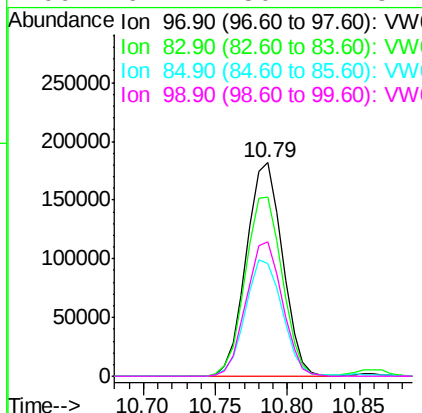
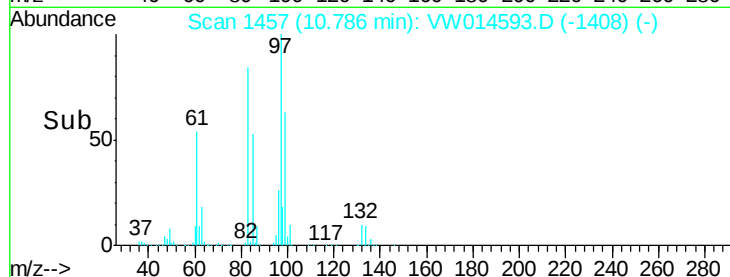
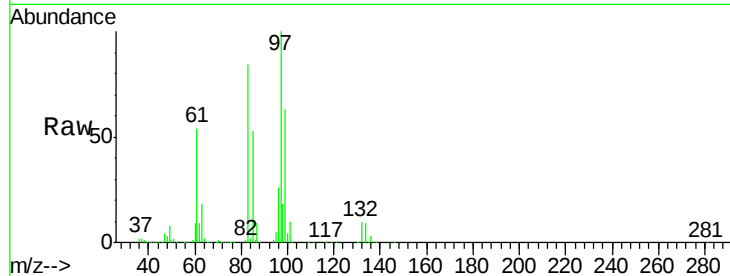
#55
 1,1,2-Trichloroethane
 Concen: 56.487 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		317415		
83	83.7	68.2	102.4		
85	53.0	43.0	64.4		
99	62.7	50.1	75.1		

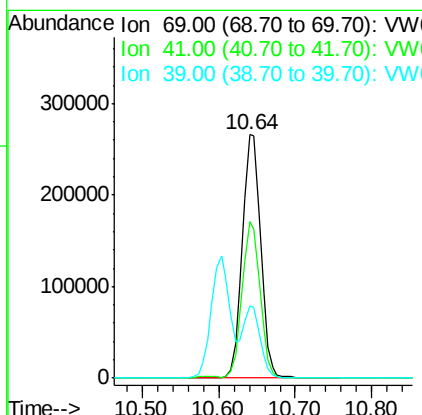
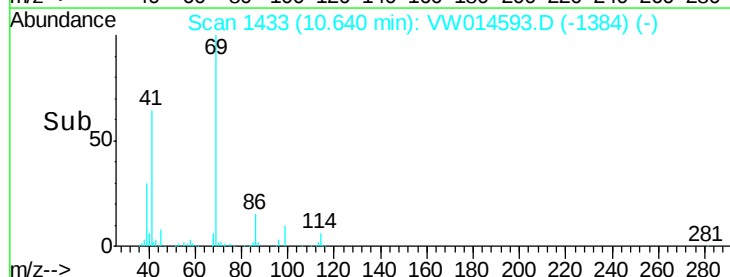
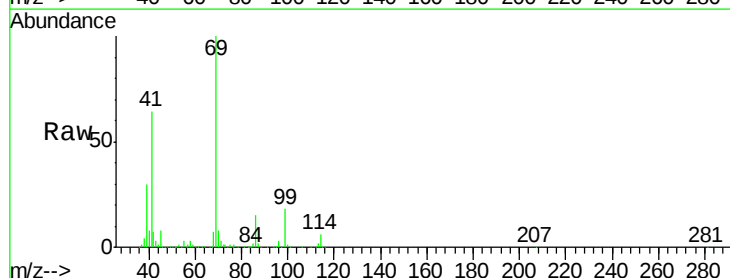
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#56
 Ethyl methacrylate
 Concen: 60.641 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		442851		
41	62.3	51.3	76.9		
39	25.5	21.0	31.6		





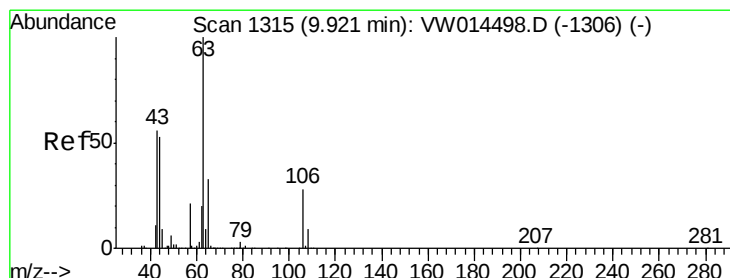
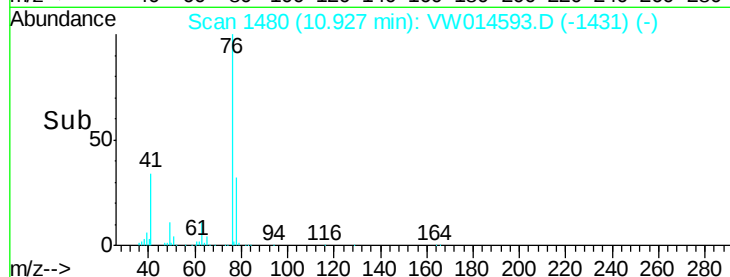
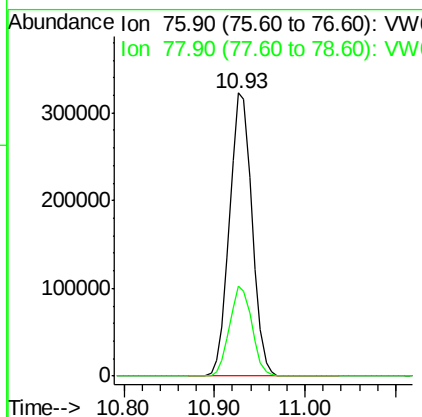
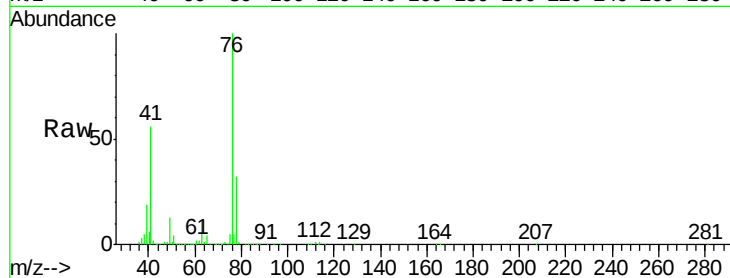
#57
 1,3-Dichloropropane
 Concen: 56.446 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 557472
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.9 38.9

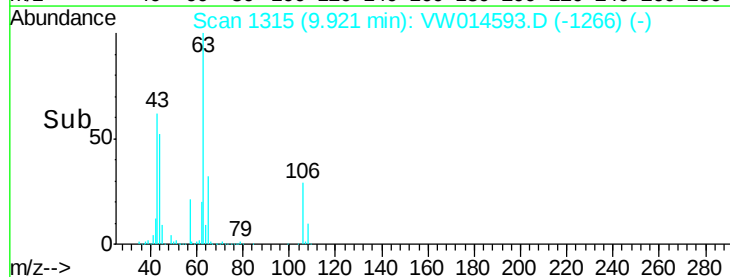
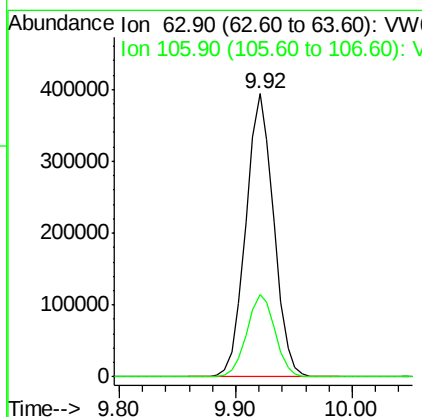
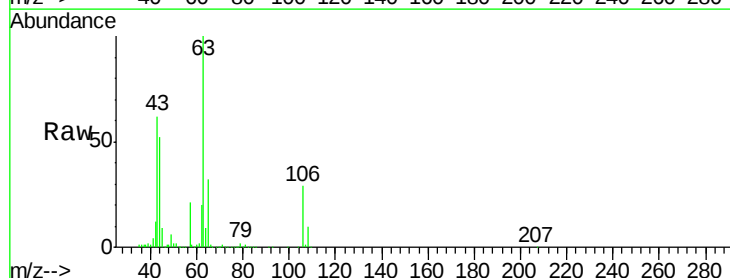
Manual Integrations
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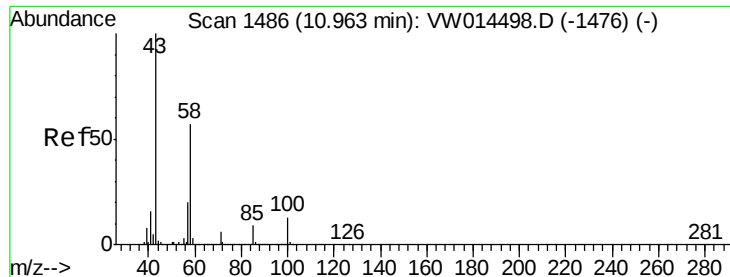
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#58
 2-Chloroethyl Vinyl ether
 Concen: 296.512 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion: 63 Resp: 658564
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.0 34.6





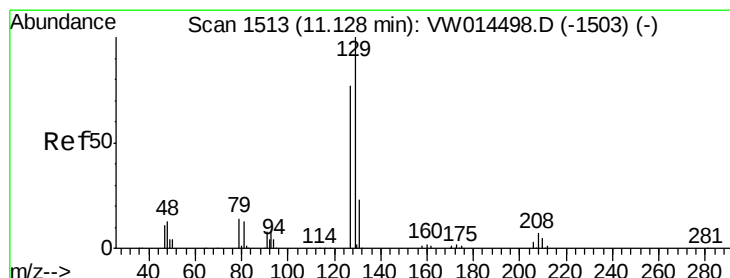
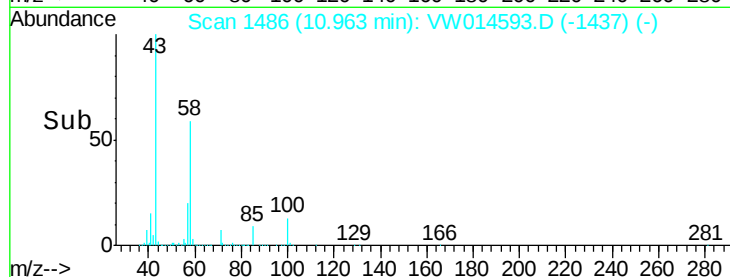
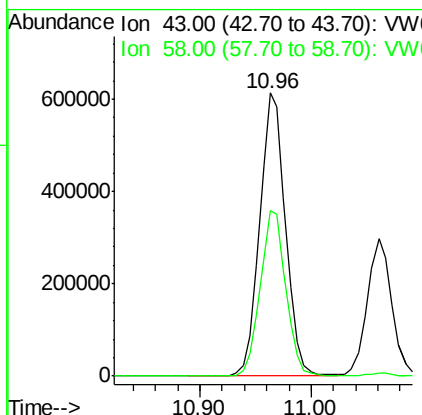
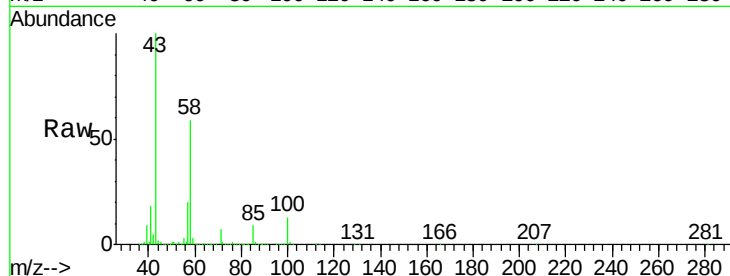
#59
2-Hexanone
Concen: 299.663 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 991365
Ion Ratio Lower Upper
43 100
58 58.1 28.7 86.3

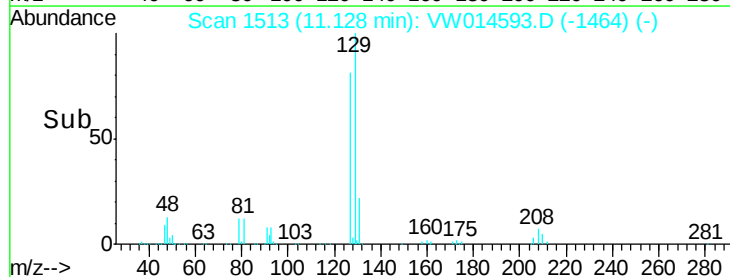
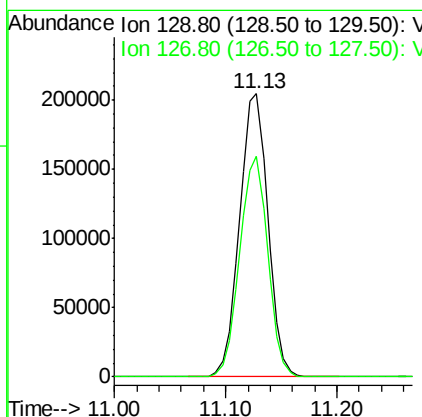
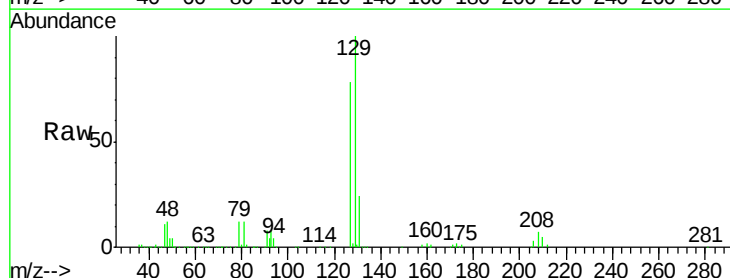
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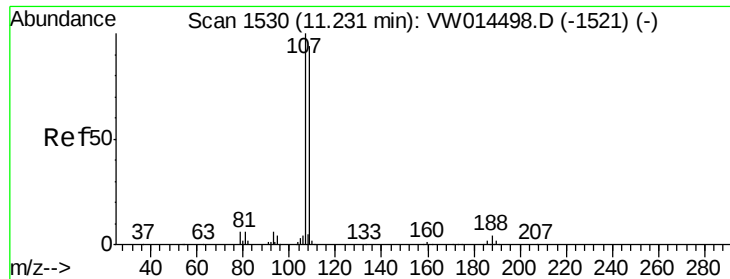
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#60
Dibromochloromethane
Concen: 57.000 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 129 Resp: 361392
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.5





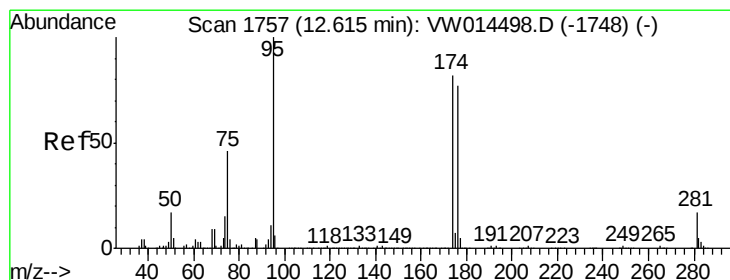
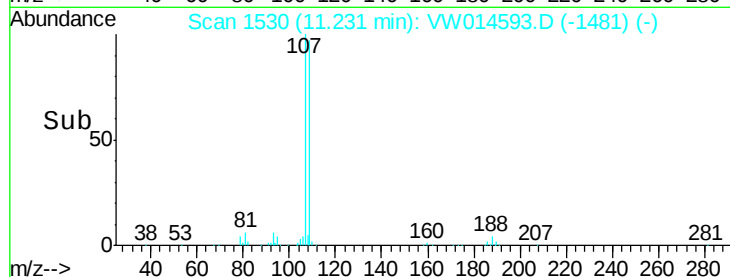
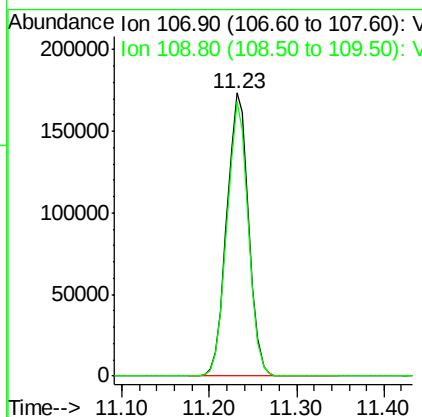
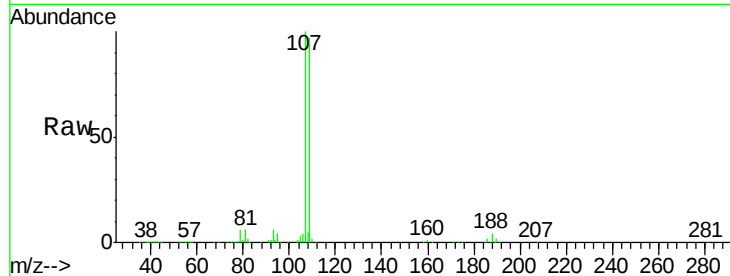
#61
 1,2-Dibromoethane
 Concen: 56.324 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.1	112.7

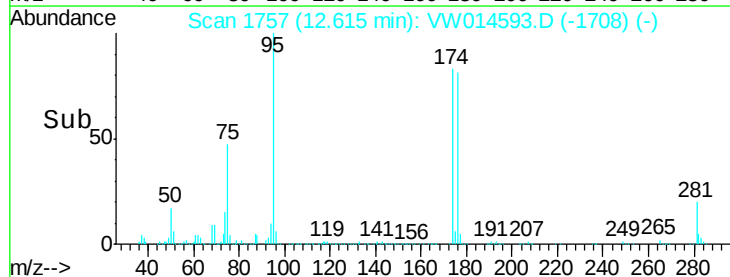
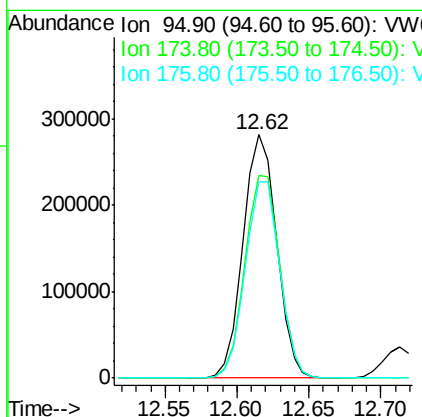
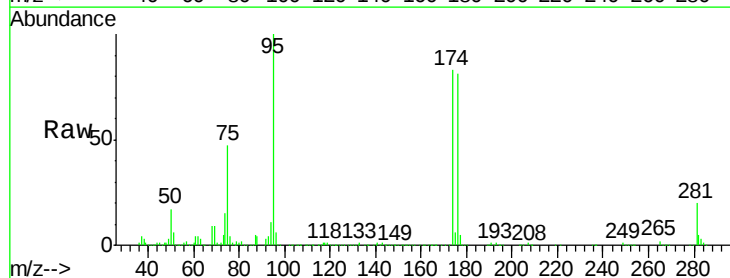
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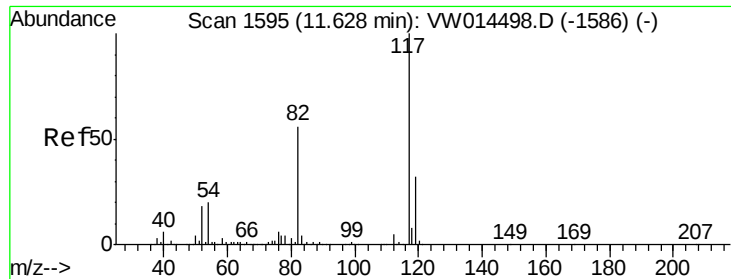
MMDadoda
 1/10/2020 10:41:07 AM



#62
 4-Bromofluorobenzene
 Concen: 48.236 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	168.6
176	82.8	0.0	162.0





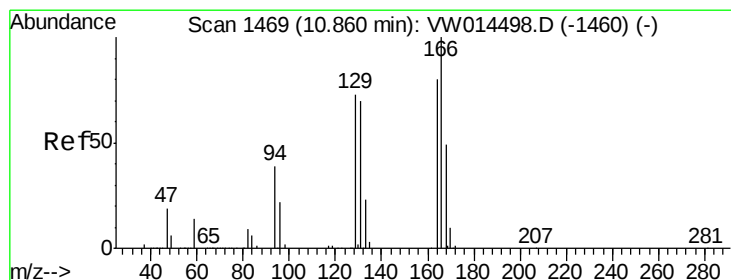
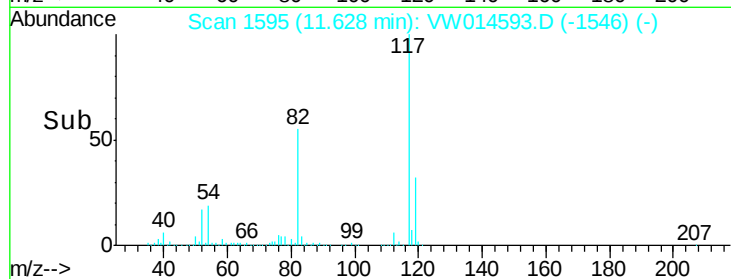
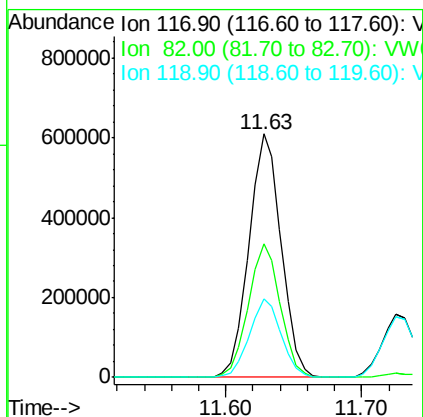
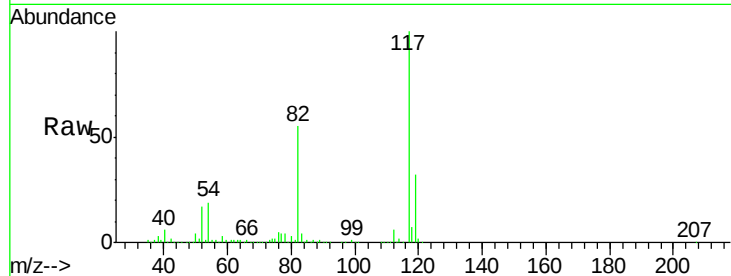
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.1	25.7	38.5

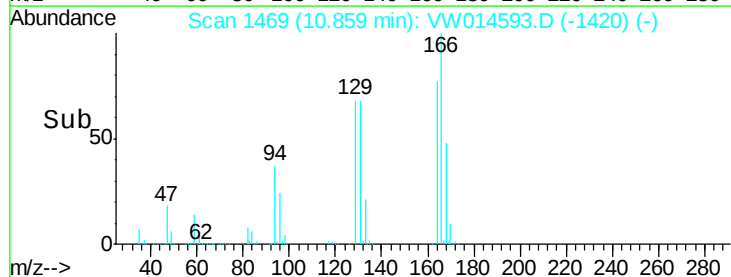
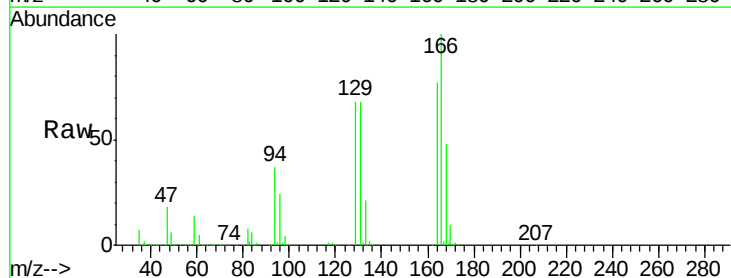
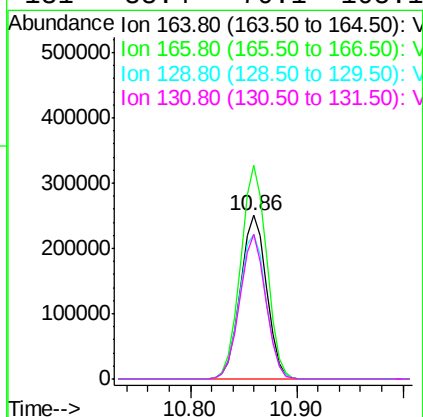
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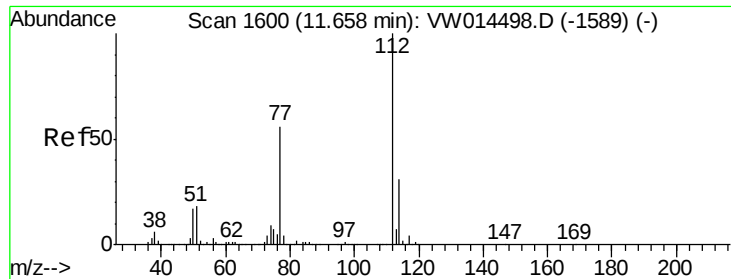
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#64
Tetrachloroethene
Concen: 59.327 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	99.8	149.6
129	88.2	72.4	108.6
131	88.4	70.1	105.1





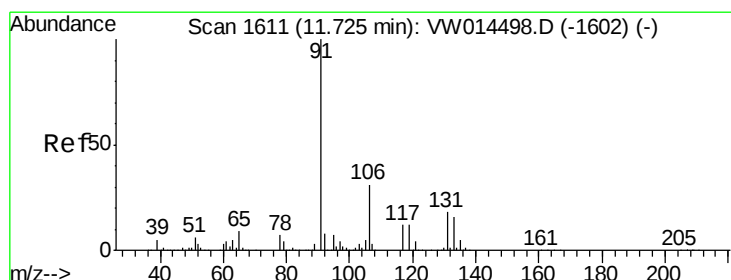
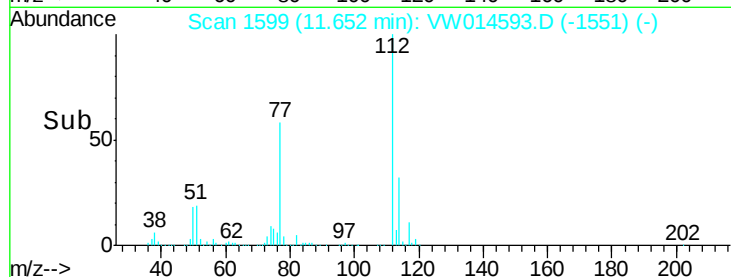
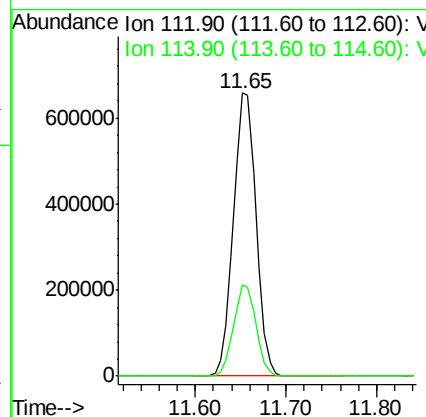
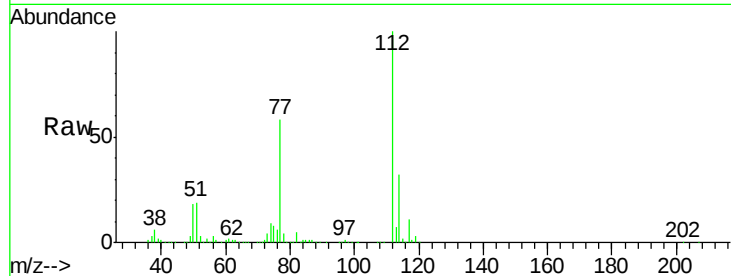
#65
Chlorobenzene
Concen: 55.126 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1141239
Ion Ratio Lower Upper
112 100
114 32.1 24.6 37.0

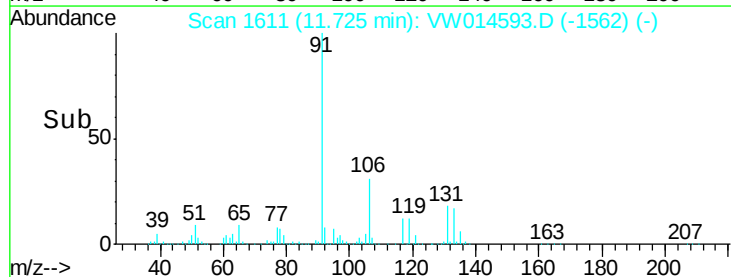
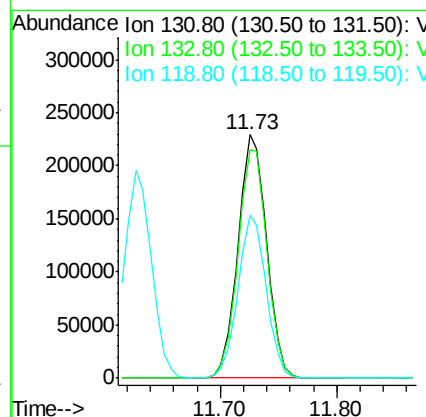
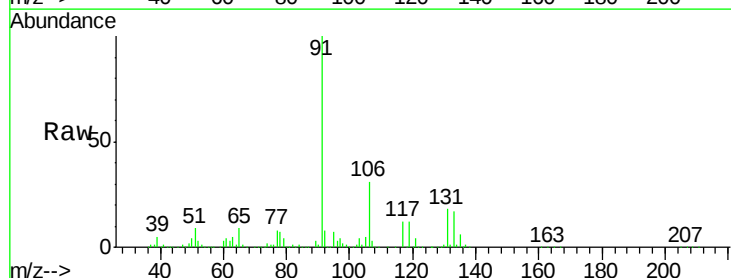
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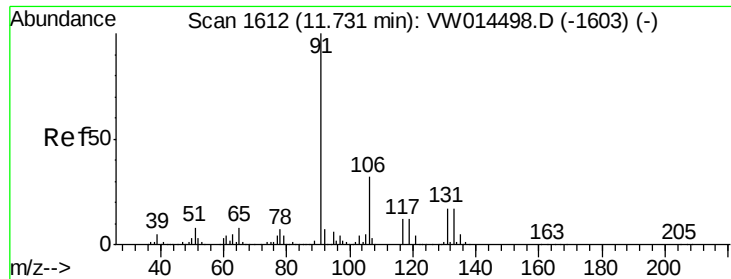
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.273 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:131 Resp: 392242
Ion Ratio Lower Upper
131 100
133 95.4 47.3 142.0
119 66.0 33.1 99.3





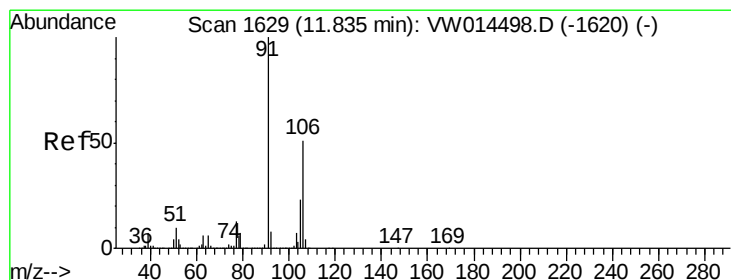
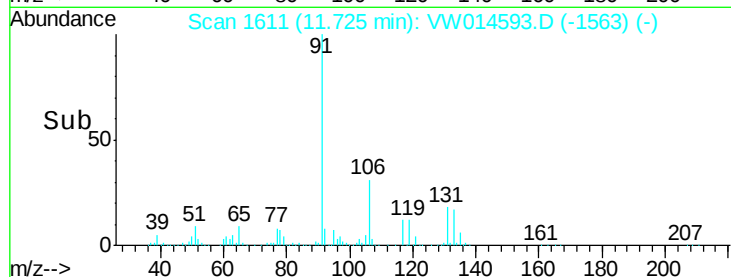
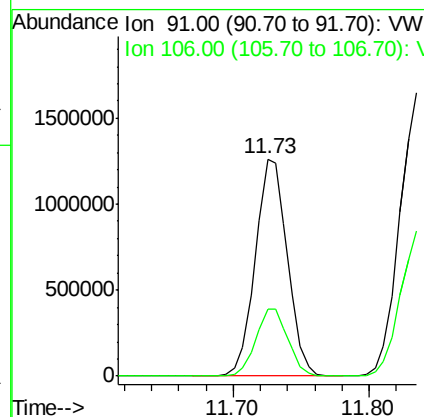
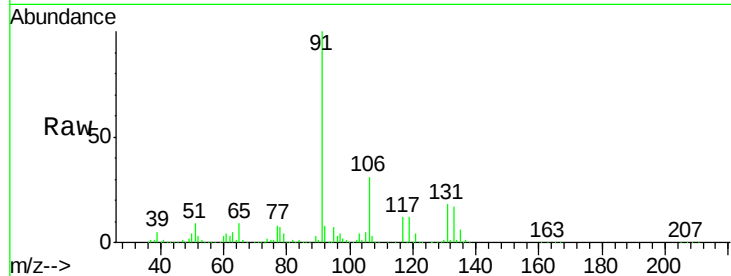
#67
Ethyl Benzene
Concen: 55.789 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2081399
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

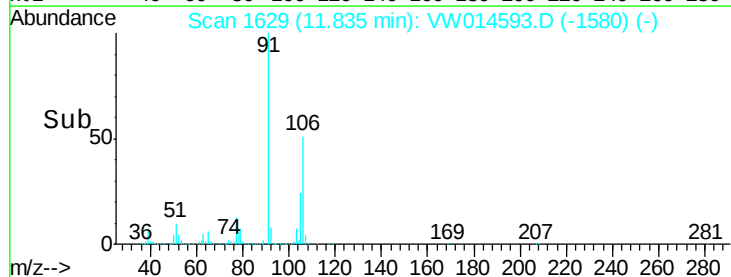
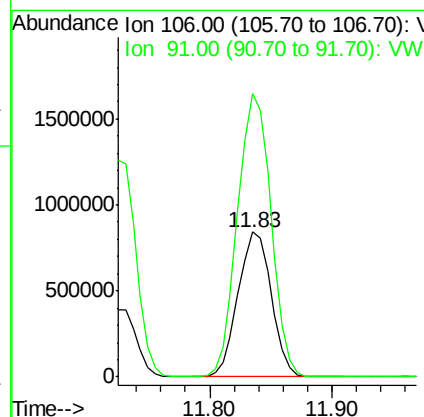
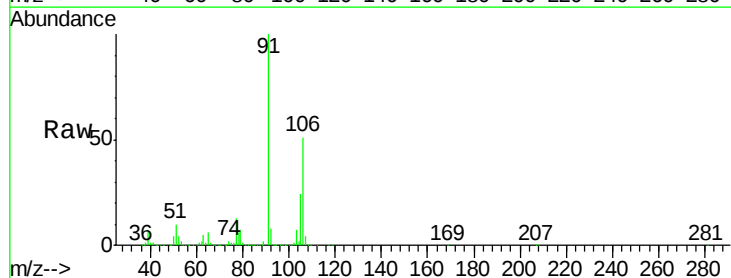
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#68
m/p-Xylenes
Concen: 111.108 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 106 Resp: 1586489
Ion Ratio Lower Upper
106 100
91 197.0 159.0 238.6





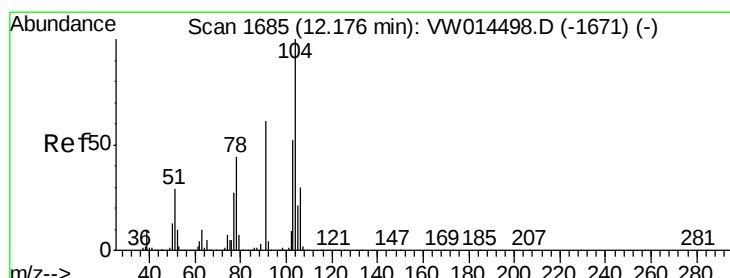
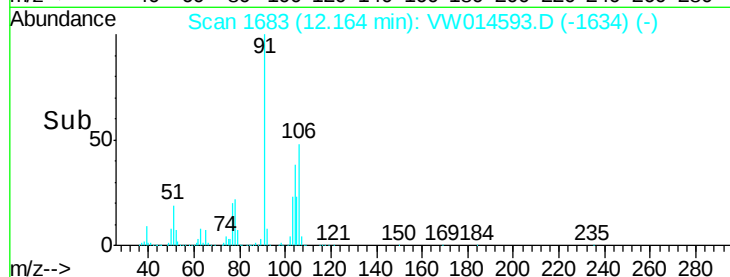
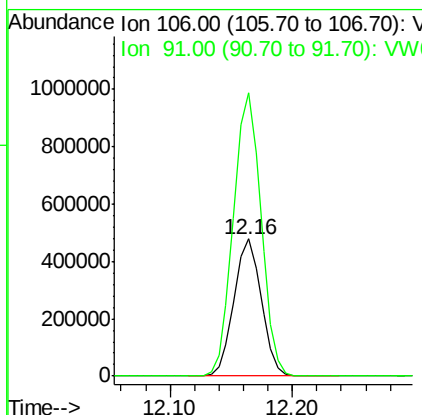
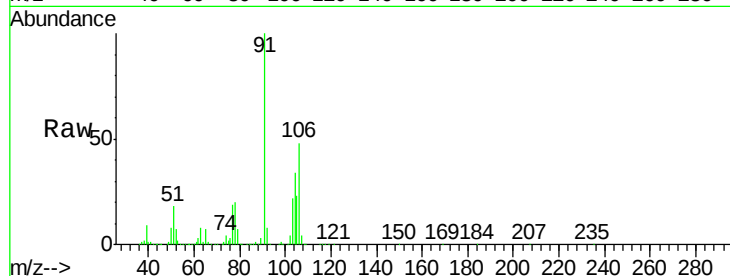
#69
o-Xylene
Concen: 56.165 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 740788
Ion Ratio Lower Upper
106 100
91 208.4 105.2 315.6

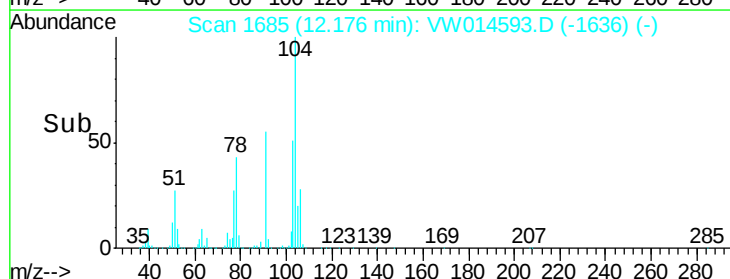
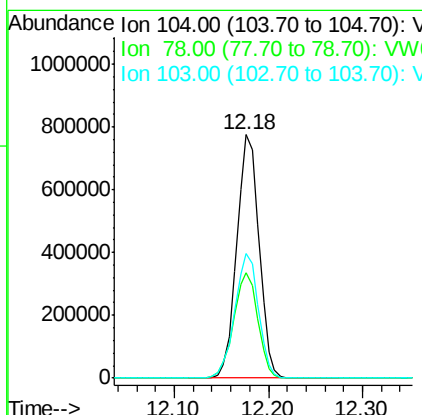
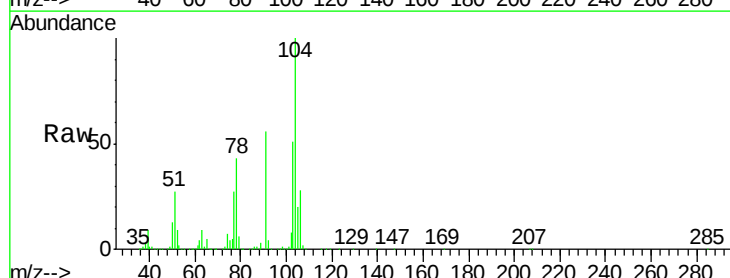
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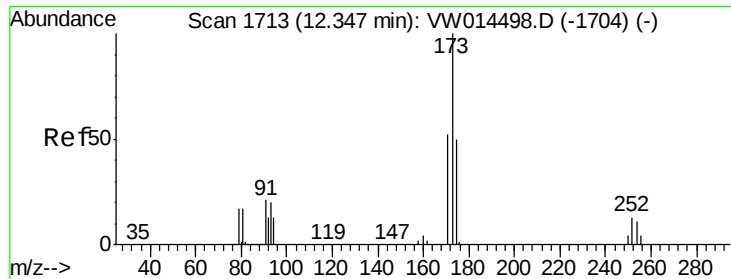
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#70
Styrene
Concen: 57.163 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:104 Resp: 1275257
Ion Ratio Lower Upper
104 100
78 47.1 38.4 57.6
103 54.3 43.7 65.5





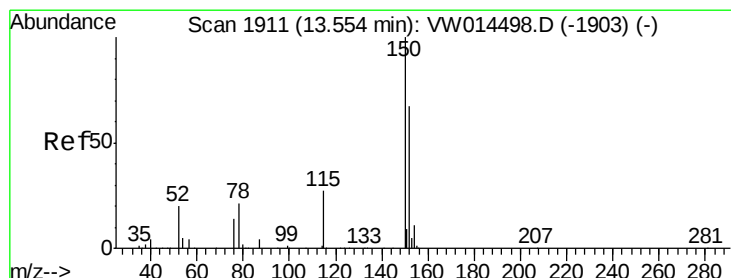
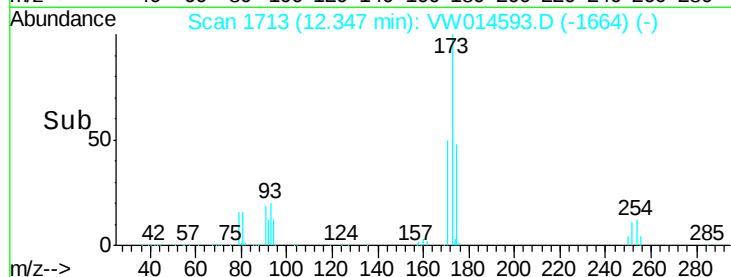
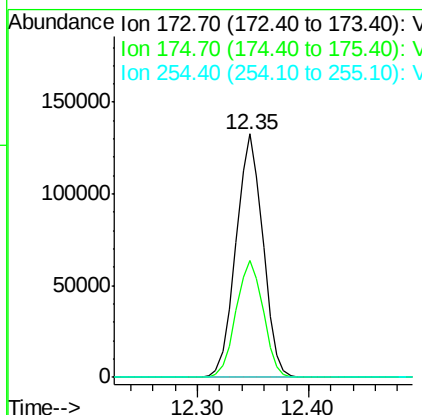
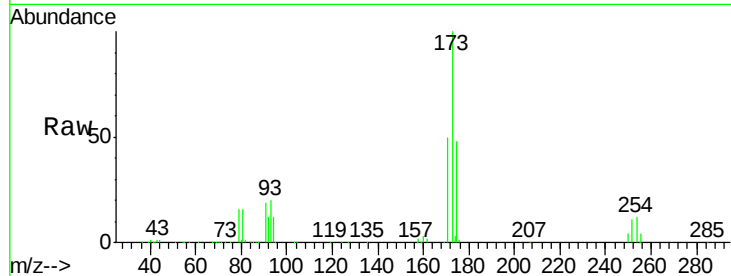
#71
Bromoform
Concen: 58.320 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.5	73.5
254	0.3	0.0	0.0

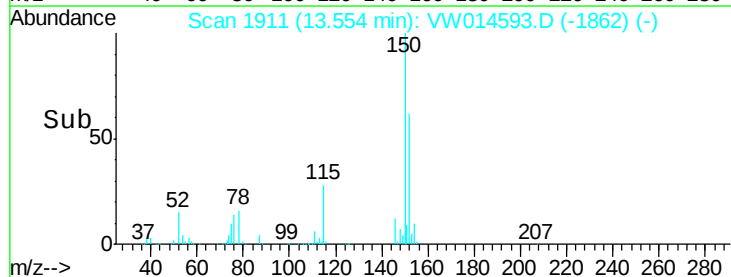
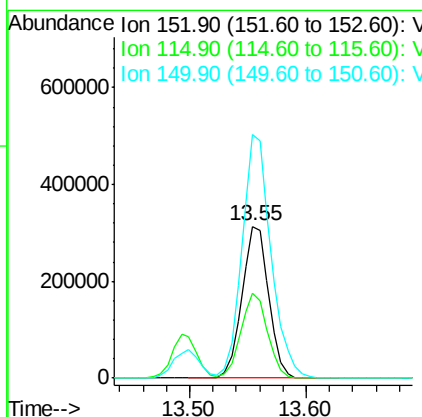
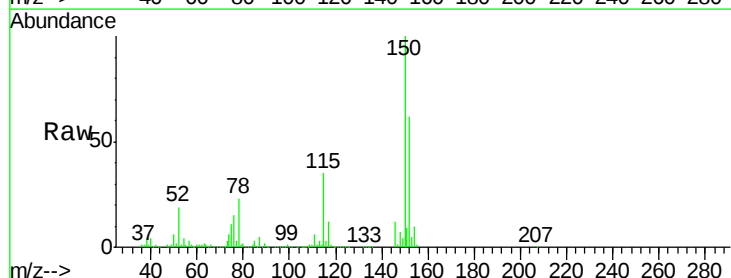
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.7	83.1
150	175.1	0.0	343.4





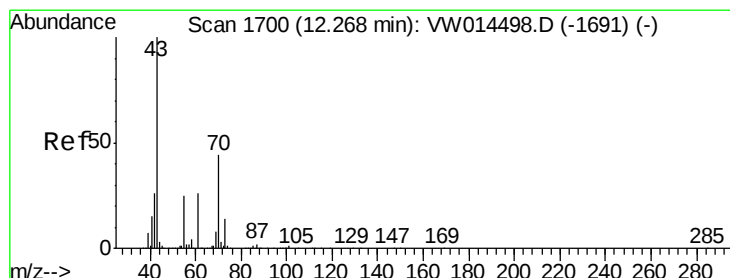
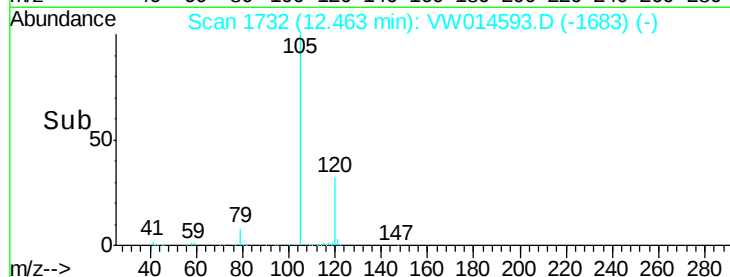
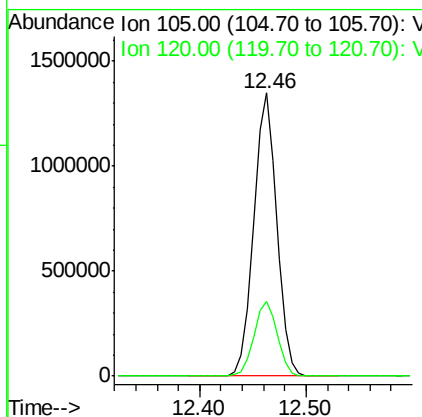
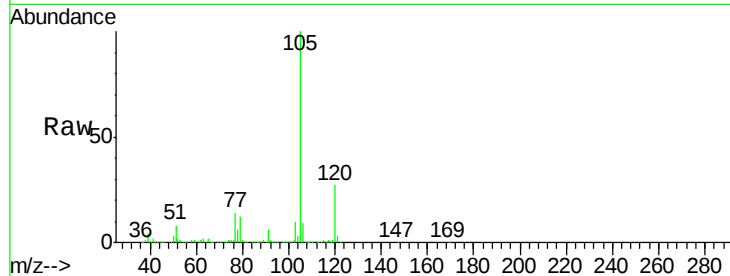
#73
Isopropylbenzene
Concen: 55.829 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 2046375
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

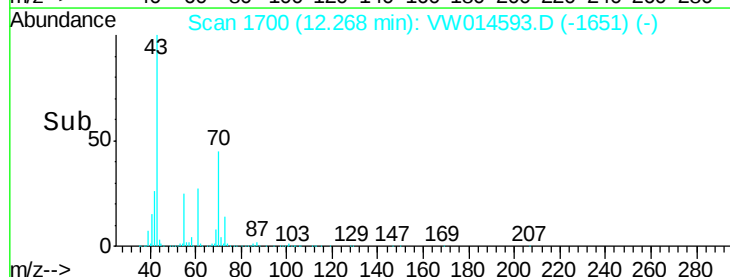
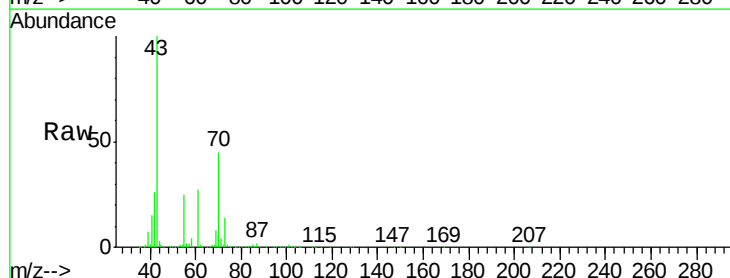
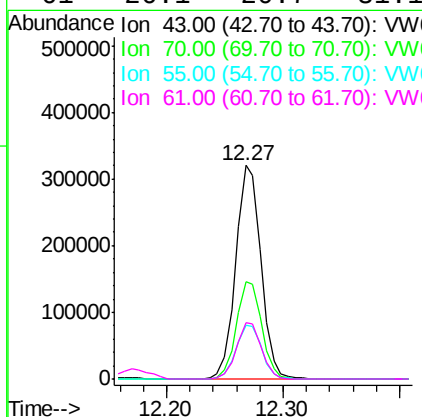
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#74
N-ethyl acetate
Concen: 58.866 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion: 43 Resp: 483799
Ion Ratio Lower Upper
43 100
70 45.7 36.5 54.7
55 25.7 20.9 31.3
61 26.1 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.093 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 371106
Ion Ratio Lower Upper

83 100

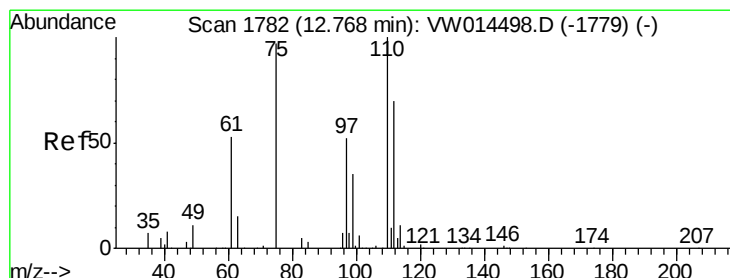
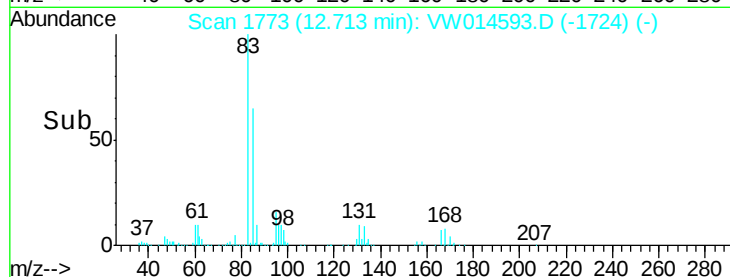
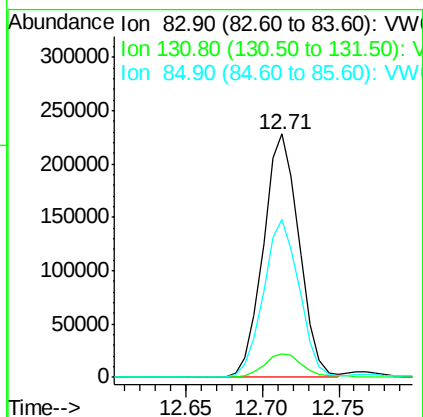
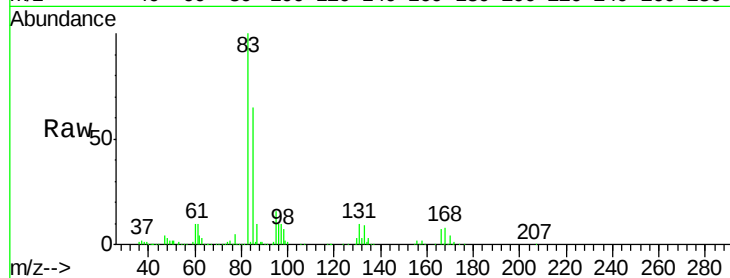
131 10.6 5.1 15.4

85 64.7 31.9 95.7

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#76

1,2,3-Trichloropropane

Concen: 59.664 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

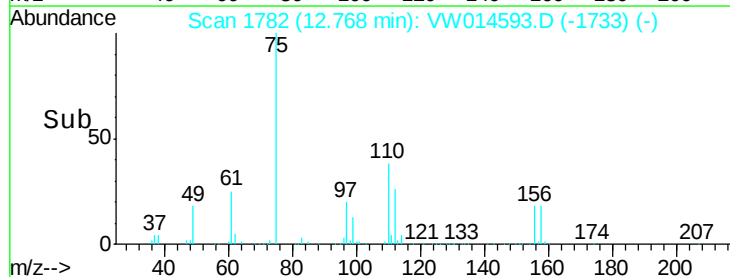
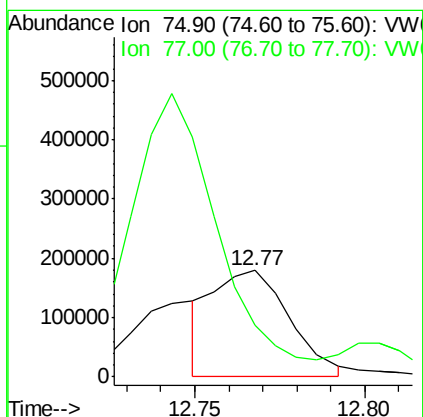
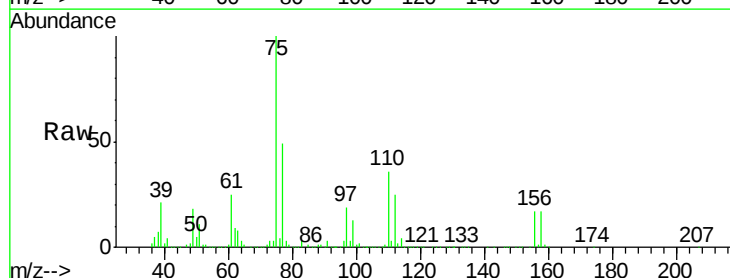
Lab File: VW014593.D

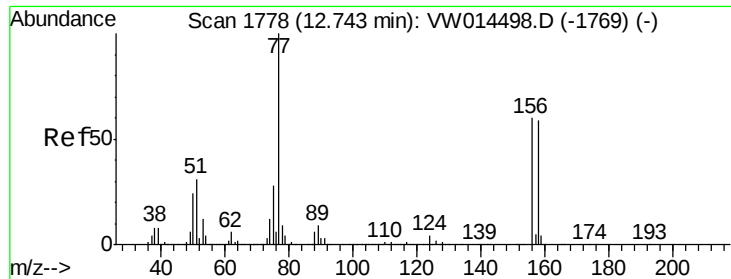
Acq: 09 Jan 2020 20:24

Tgt Ion: 75 Resp: 281804
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 55.896 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

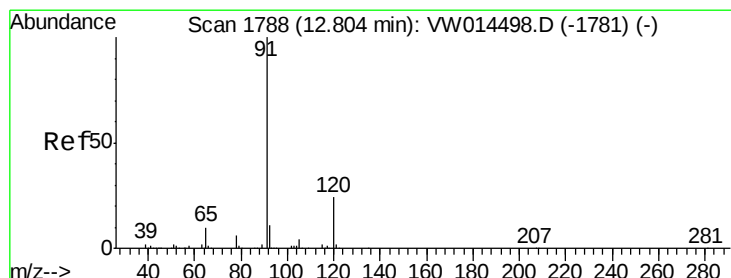
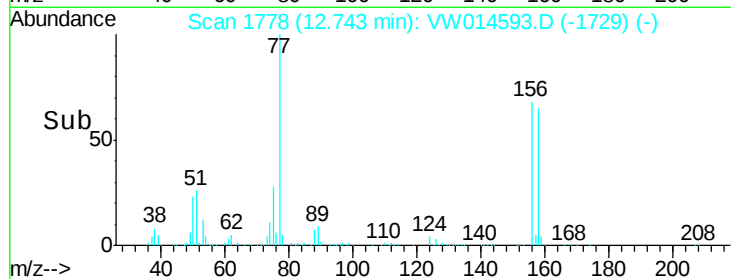
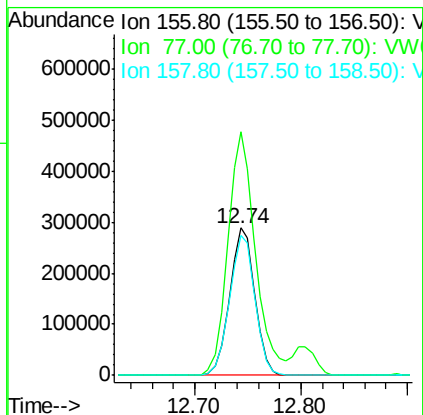
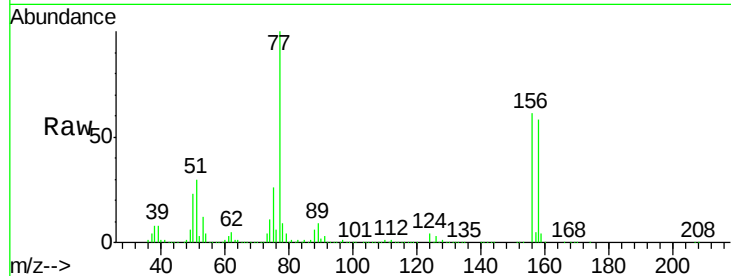
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	181.7	92.3	277.1	
158	96.2	48.6	145.9	

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#78

n-propylbenzene

Concen: 55.504 ug/l

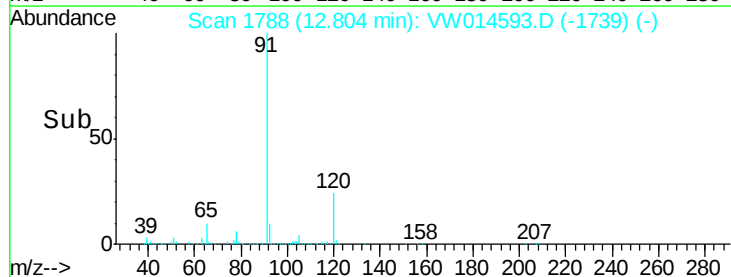
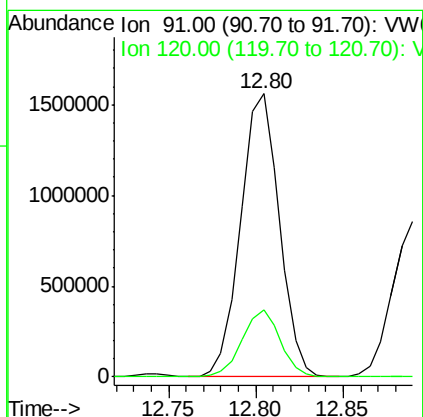
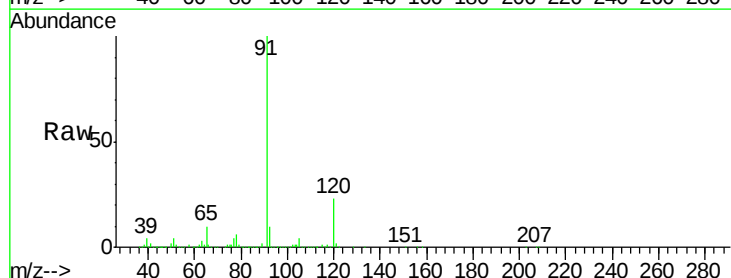
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.3	11.7	35.1	





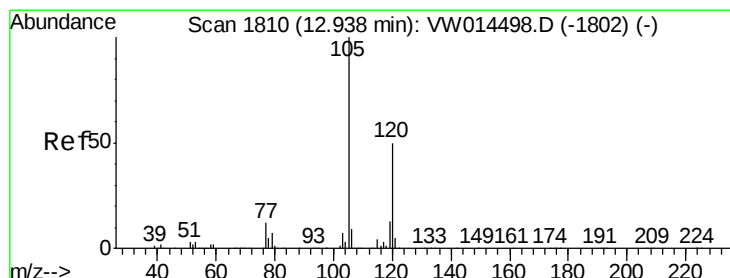
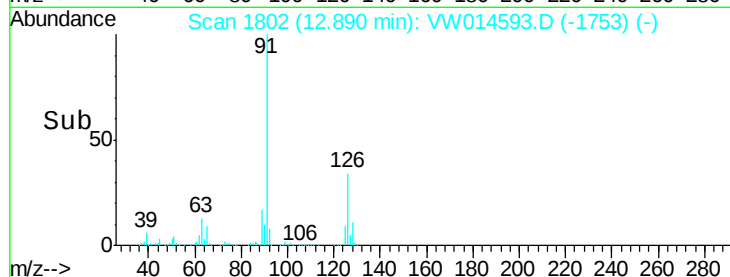
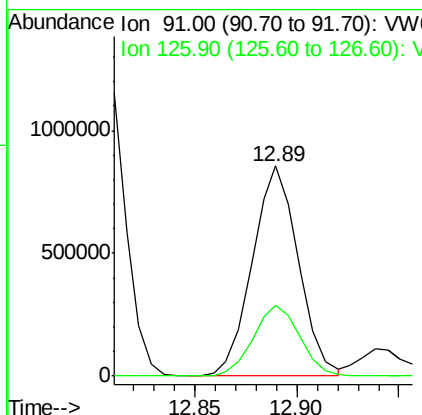
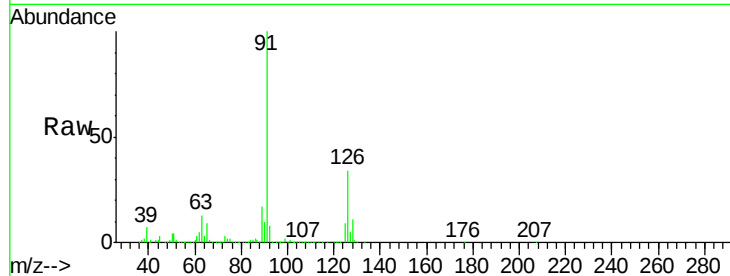
#79
2-Chlorotoluene
Concen: 54.714 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1342030
Ion Ratio Lower Upper
91 100
126 34.3 17.1 51.2

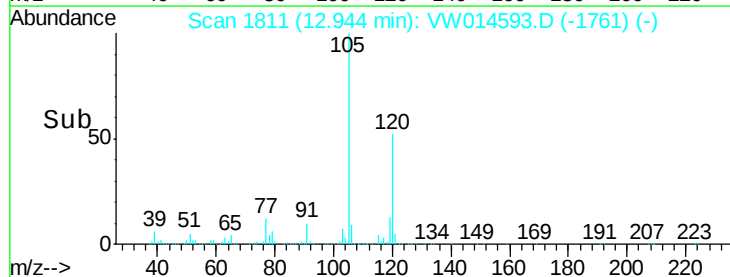
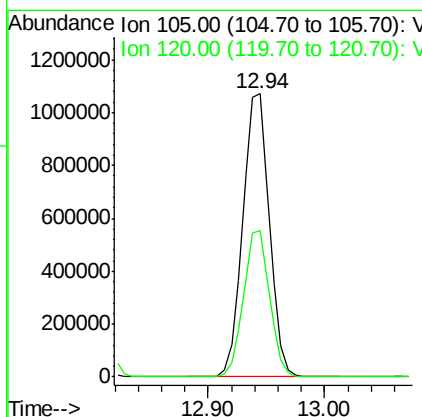
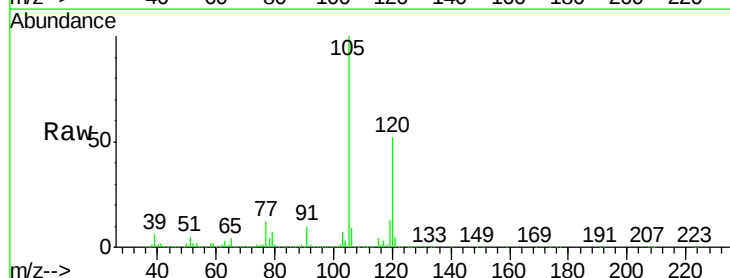
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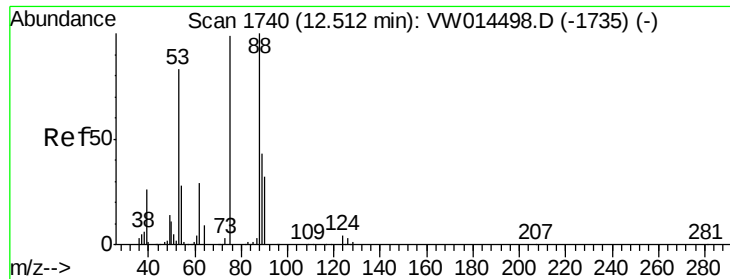
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#80
1,3,5-Trimethylbenzene
Concen: 55.308 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:105 Resp: 1702190
Ion Ratio Lower Upper
105 100
120 51.0 25.2 75.6





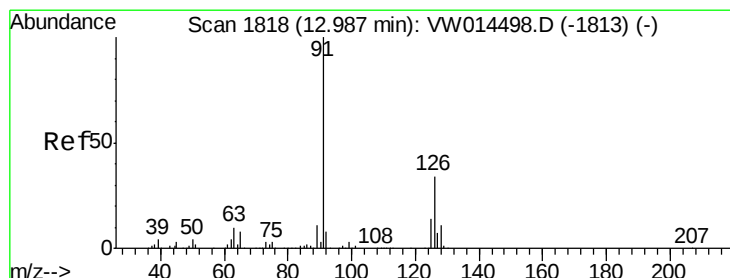
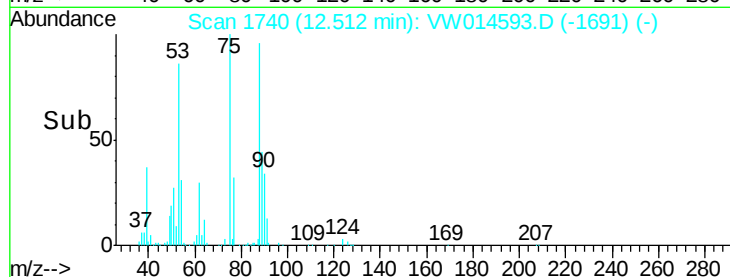
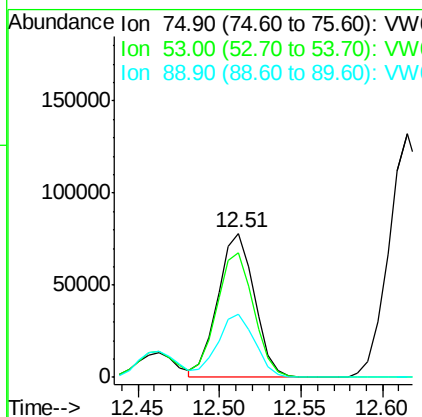
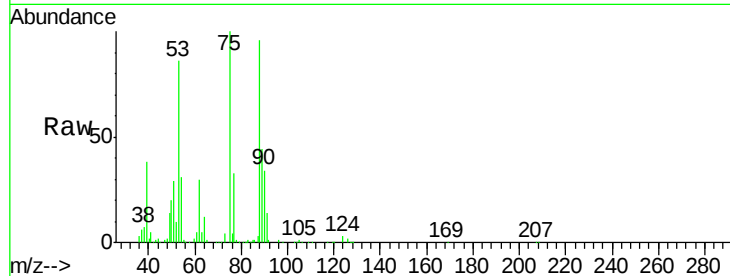
#81
trans-1,4-Dichloro-2-butene
Concen: 57.280 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.4	70.9	106.3
89	45.3	35.8	53.8

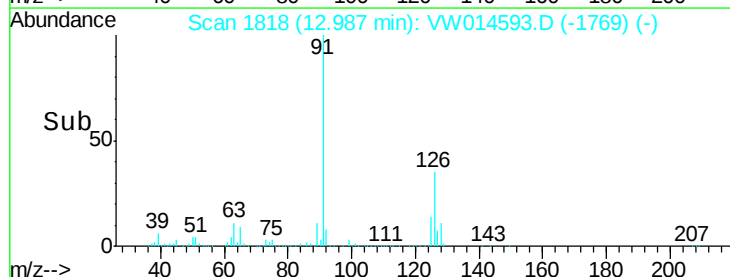
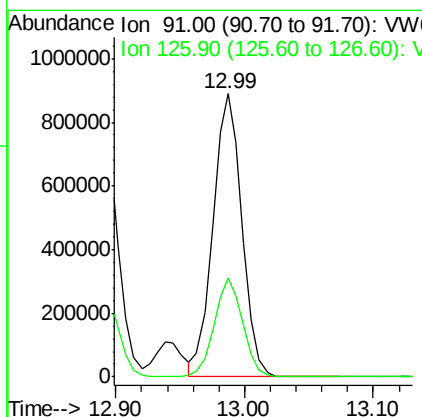
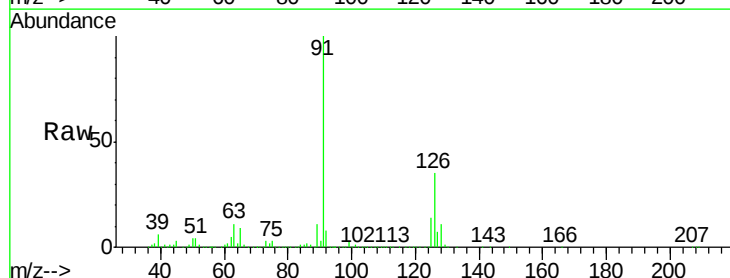
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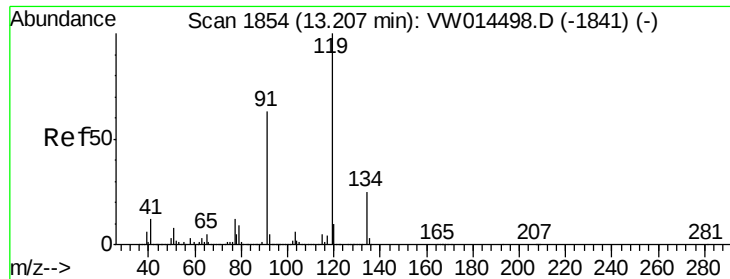
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#82
4-Chlorotoluene
Concen: 54.756 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.1	51.2





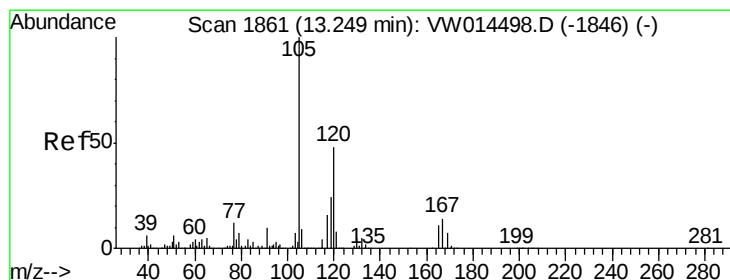
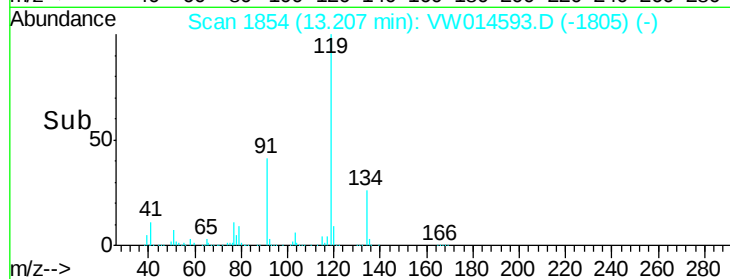
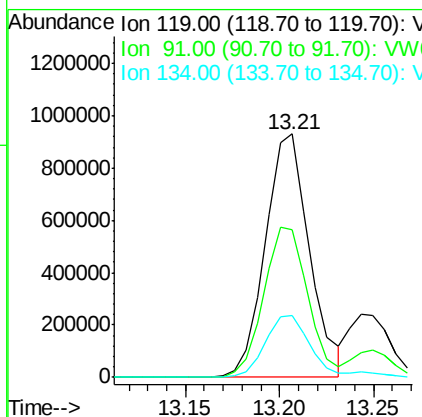
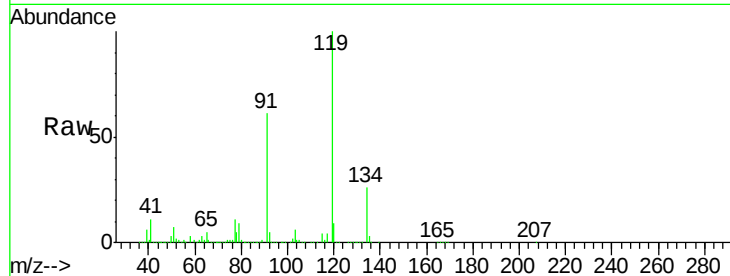
#83
tert-Butylbenzene
Concen: 56.160 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1513264
Ion Ratio Lower Upper
119 100
91 61.8 31.1 93.3
134 27.0 13.5 40.5

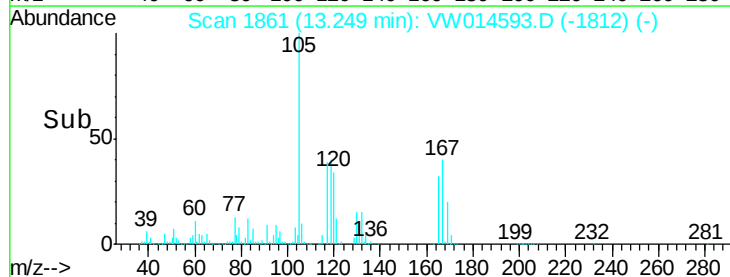
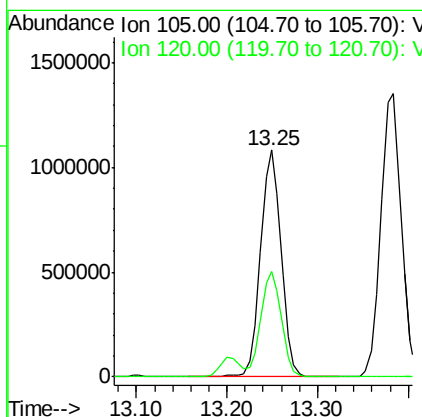
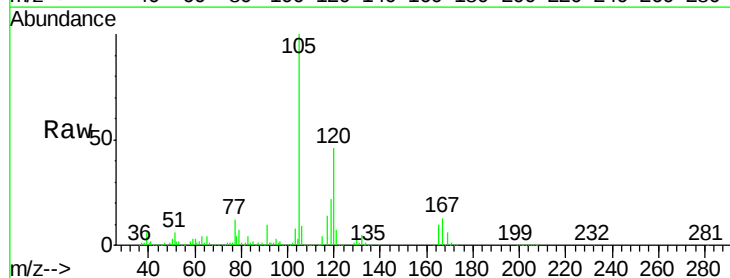
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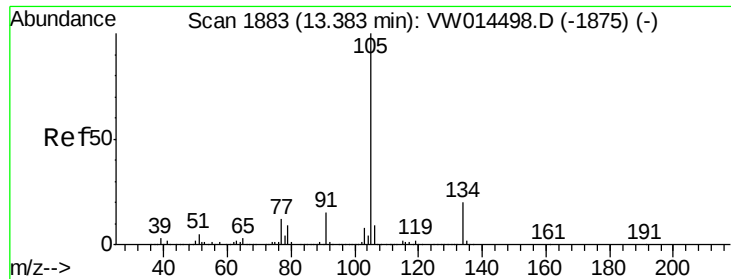
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#84
1,2,4-Trimethylbenzene
Concen: 55.191 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW014593.D
Acq: 09 Jan 2020 20:24

Tgt Ion:105 Resp: 1690312
Ion Ratio Lower Upper
105 100
120 46.4 23.4 70.0





#85

sec-Butylbenzene

Concen: 56.443 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 2105186

Ion Ratio Lower Upper

105 100

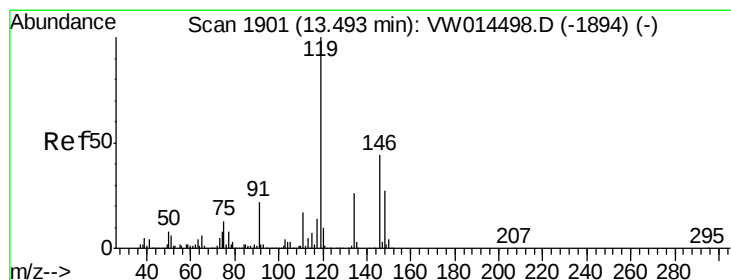
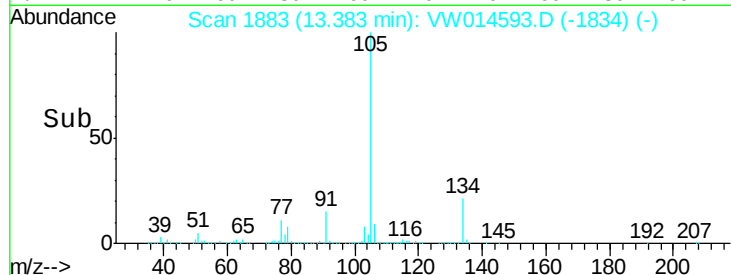
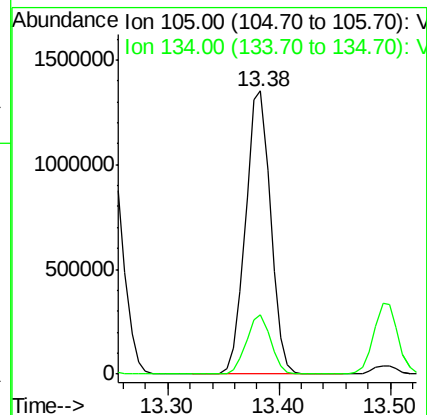
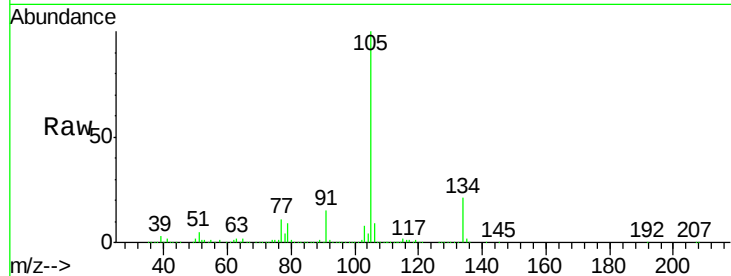
134 20.4 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 56.693 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

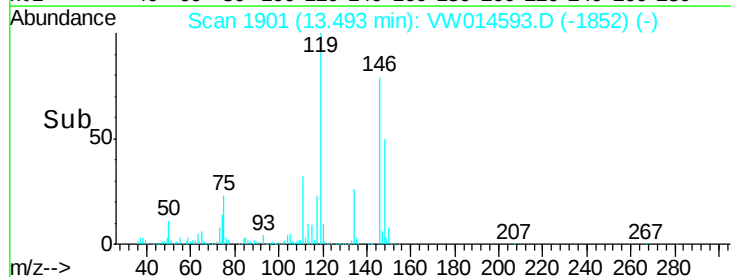
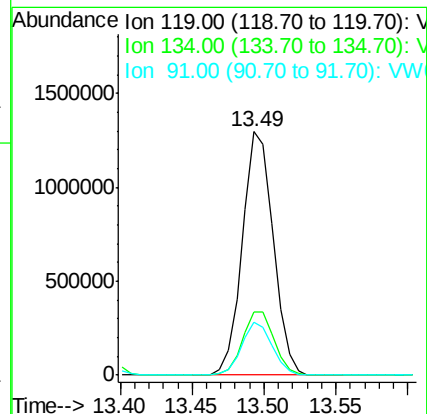
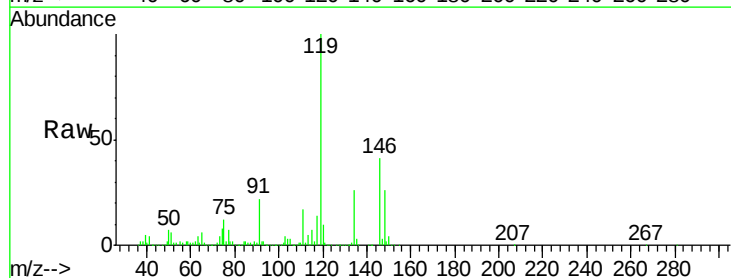
Tgt Ion:119 Resp: 1927358

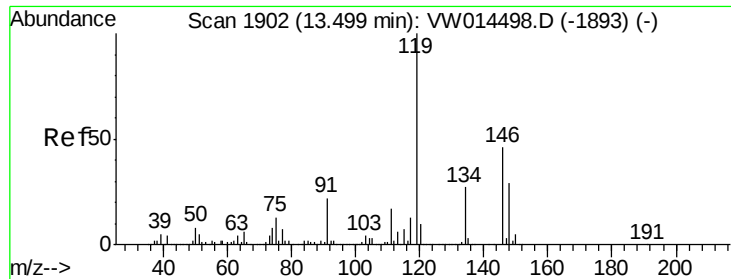
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.5

91 21.4 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 55.436 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

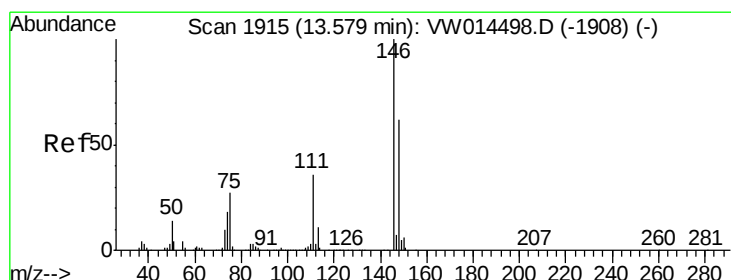
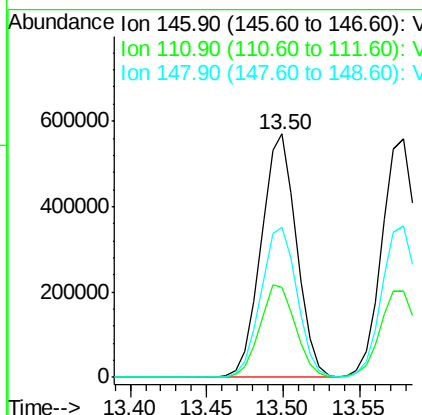
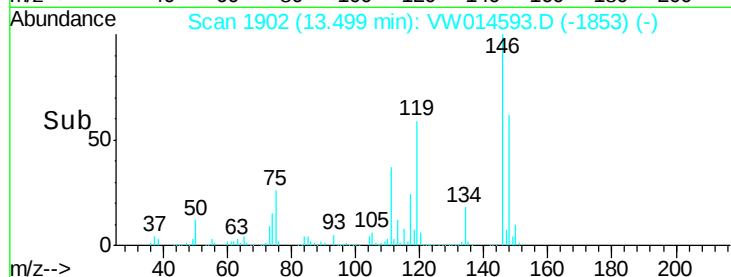
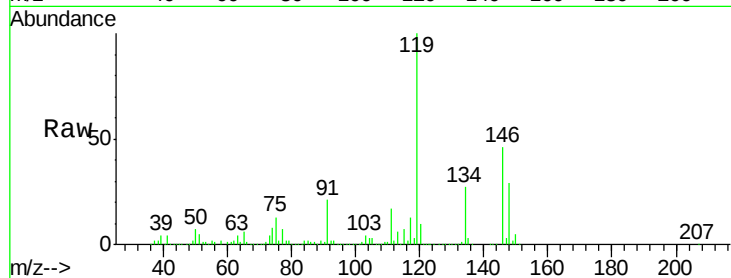
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	63.3	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 55.376 ug/l

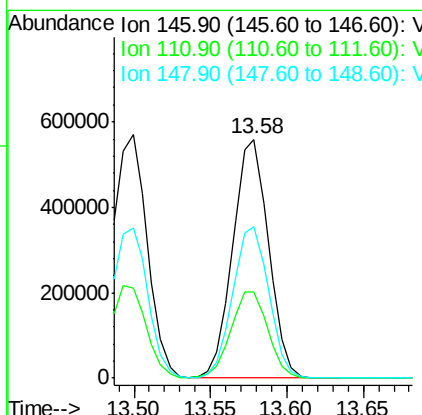
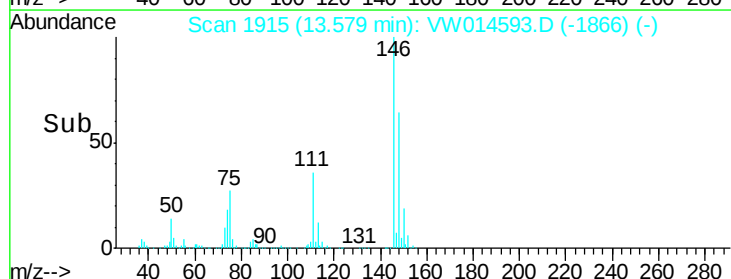
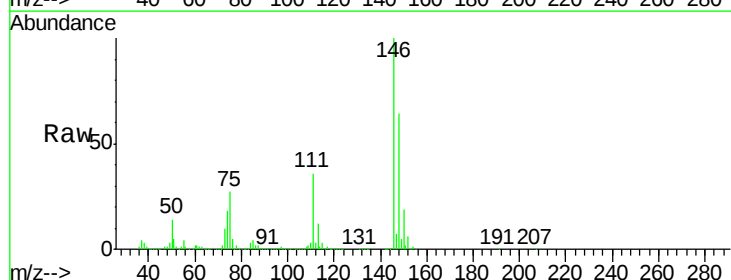
RT: 13.58 min Scan# 1915

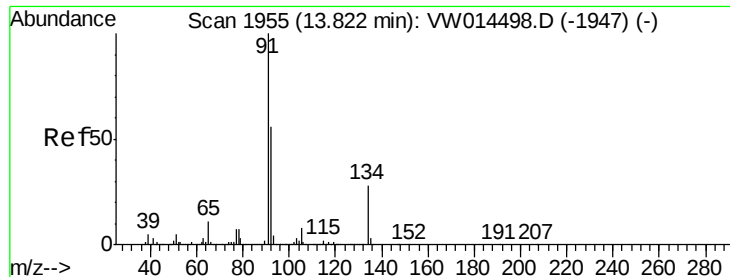
Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.7	56.1
148	64.0	31.7	95.1





#89

n-Butylbenzene

Concen: 56.700 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1790016

Ion Ratio Lower Upper

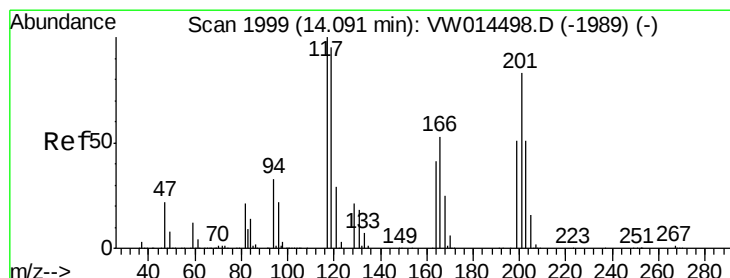
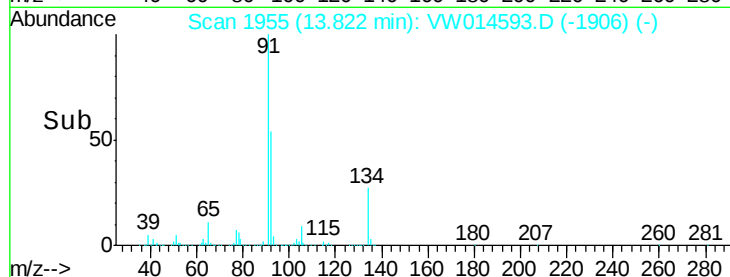
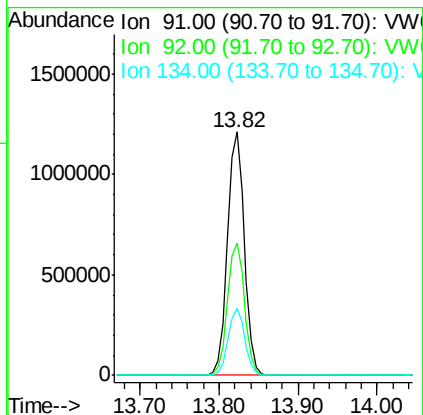
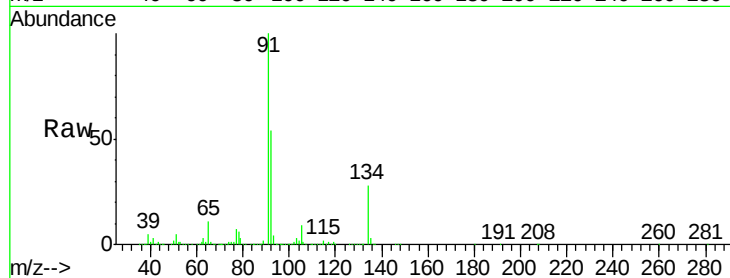
91 100

92 55.1 27.5 82.5

134 27.1 13.7 41.1

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#90

Hexachloroethane

Concen: 55.217 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014593.D

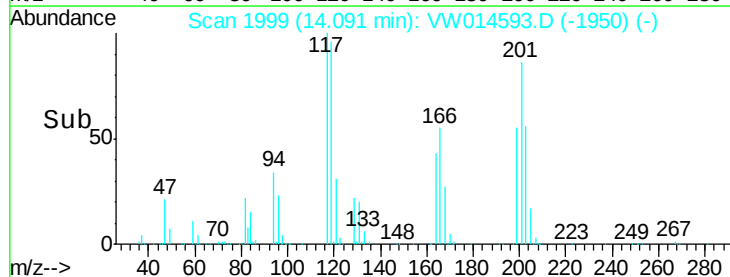
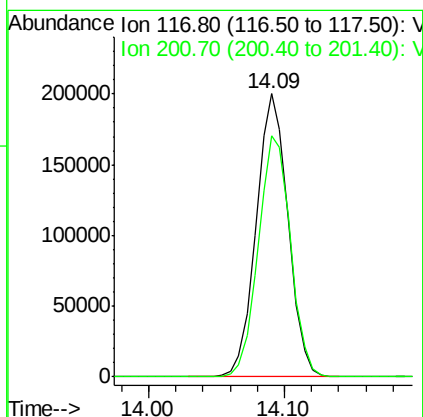
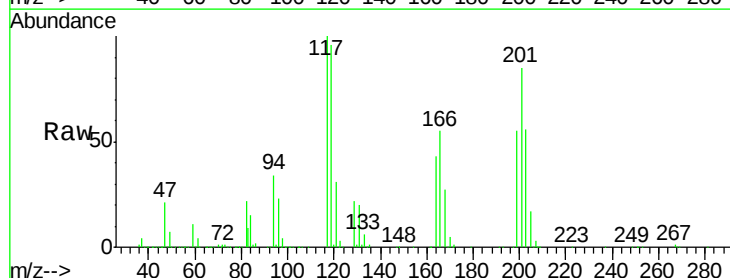
Acq: 09 Jan 2020 20:24

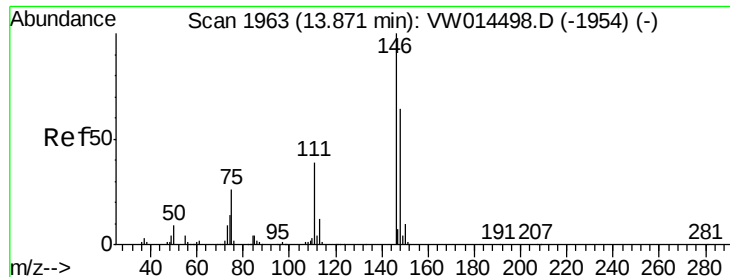
Tgt Ion: 117 Resp: 327931

Ion Ratio Lower Upper

117 100

201 86.4 43.0 128.8





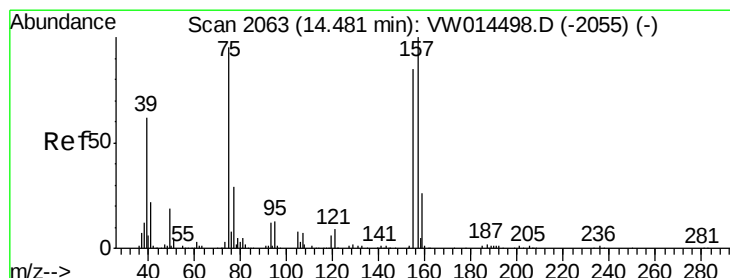
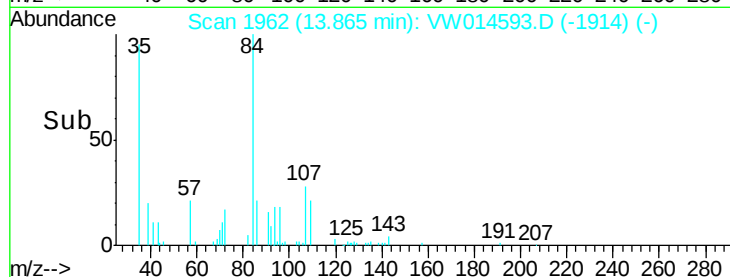
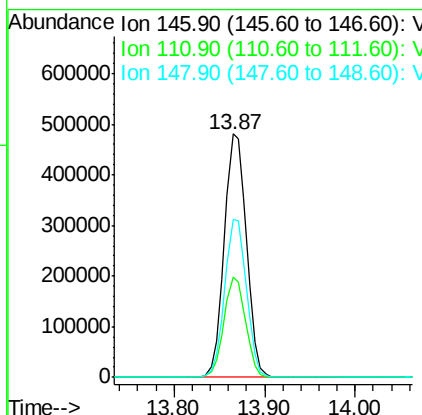
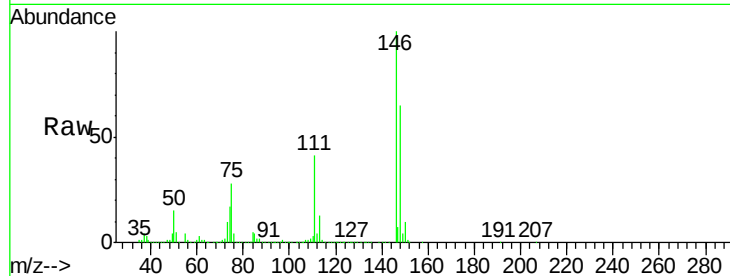
#91
 1,2-Dichlorobenzene
 Concen: 56.222 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.4	61.3
148	64.1	32.3	96.8

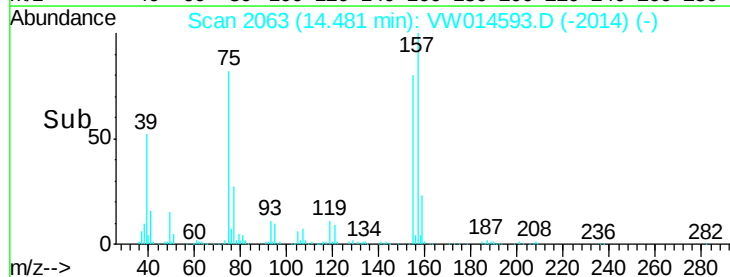
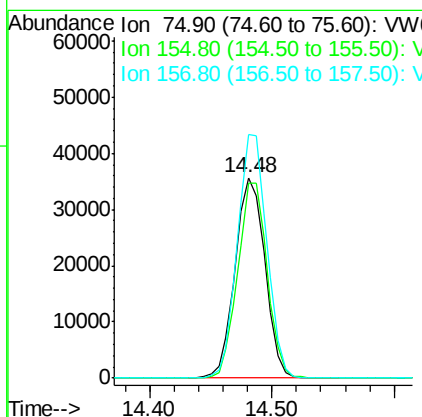
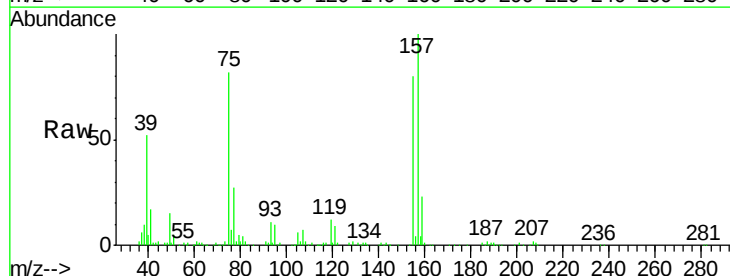
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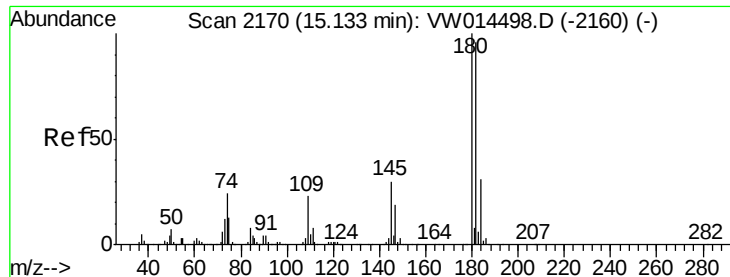
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.484 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	45.8	137.4
157	120.0	58.1	174.2





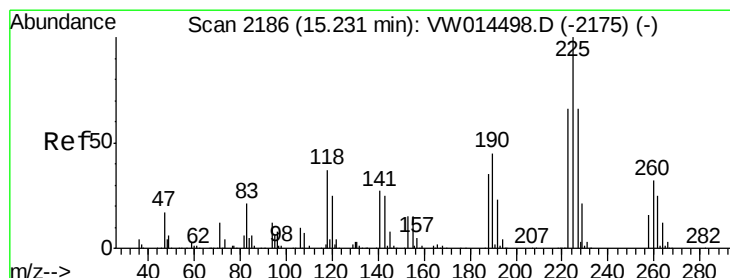
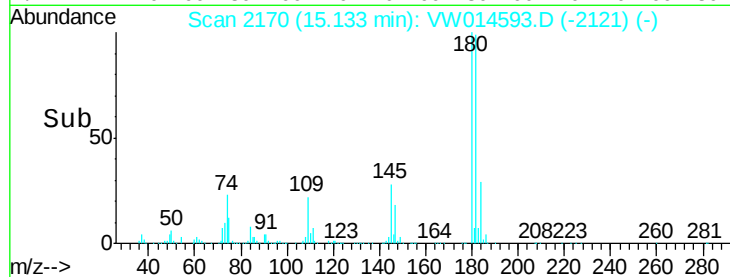
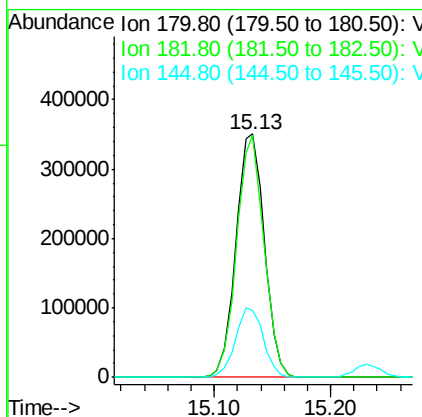
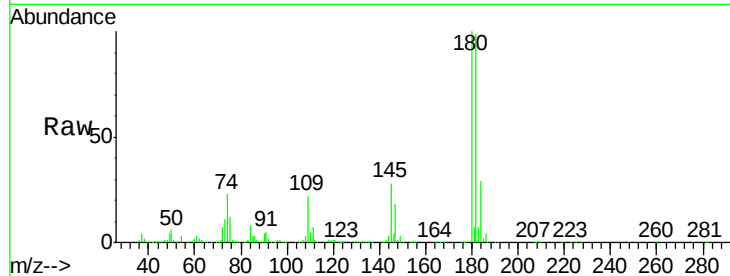
#93
 1,2,4-Trichlorobenzene
 Concen: 60.793 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	597337		
182	95.4	47.3	141.8	
145	28.1	14.7	44.1	

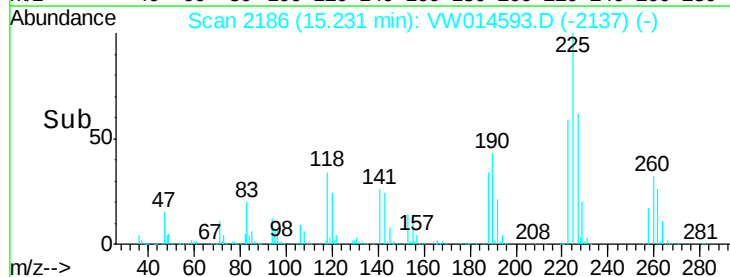
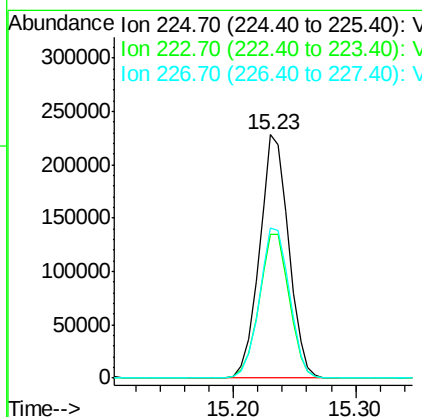
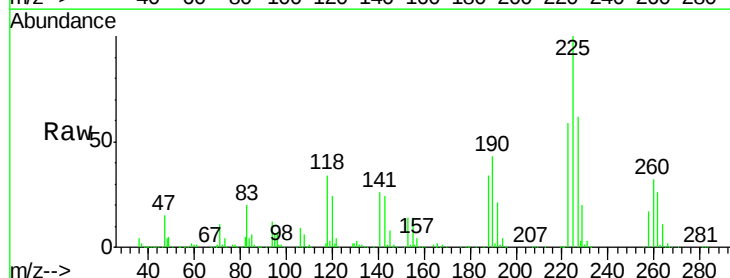
Manual Integrations
 APPROVED

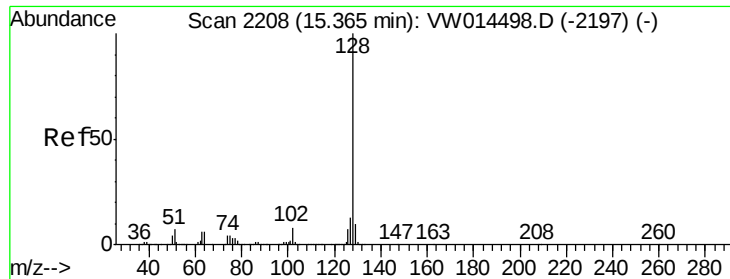
MMDadoda
 1/10/2020 10:41:07 AM



#94
 Hexachlorobutadiene
 Concen: 57.358 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014593.D
 Acq: 09 Jan 2020 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	377687		
223	61.3	32.4	97.2	
227	63.8	32.6	97.8	





#95

Naphthalene

Concen: 65.191 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 1092426

Ion Ratio Lower Upper

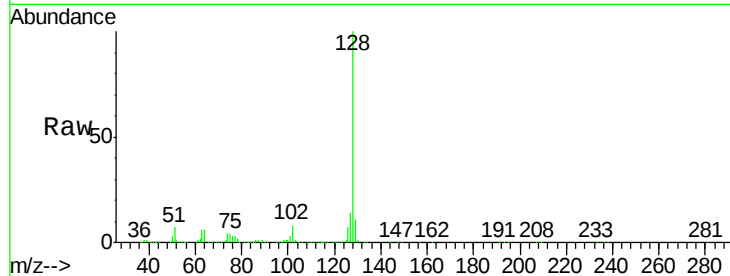
128 100

127 13.4 10.6 15.8

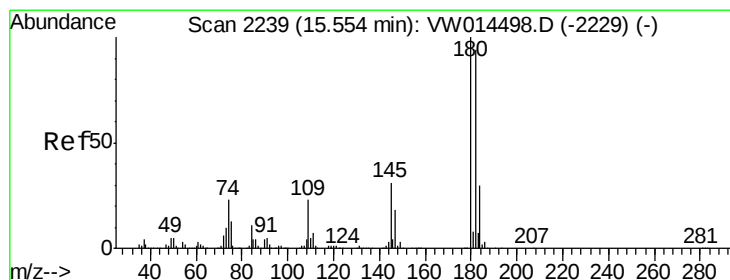
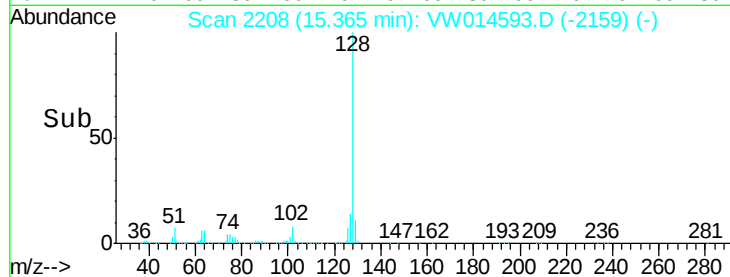
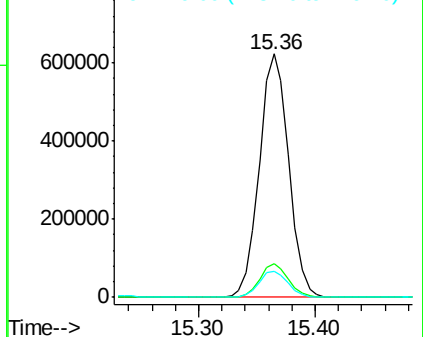
129 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:41:07 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 60.904 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014593.D

Acq: 09 Jan 2020 20:24

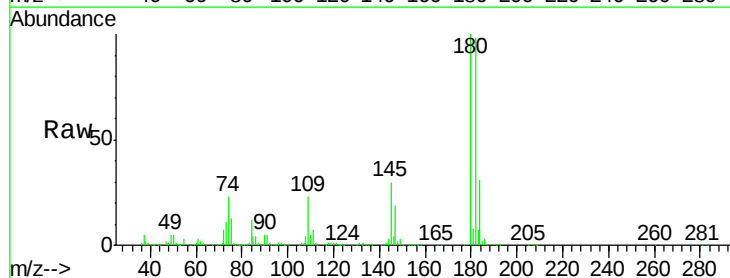
Tgt Ion:180 Resp: 521627

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.2

145 30.3 15.5 46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

