

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011320\
 Data File : VW014616.D
 Acq On : 13 Jan 2020 11:39
 Operator : SY/VA
 Sample : VW0113SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Manual Integrations
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 1/14/2020 3:06:43 PM

Quant Time: Jan 14 12:34:45 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	7.95	168	679071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1006199	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	865921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	428430	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	300268	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.88	113	293004	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
50) Toluene-d8	10.32	98	1197783	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.62	95	403852	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82684	21.565	ug/l	94
3) Chloromethane	2.21	50	102654	21.873	ug/l	99
4) Vinyl Chloride	2.35	62	152959	22.159	ug/l	100
5) Bromomethane	2.74	94	92284	21.642	ug/l	95
6) Chloroethane	2.92	64	86272	21.925	ug/l	99
7) Trichlorofluoromethane	3.25	101	72673	21.042	ug/l	97
8) Diethyl Ether	3.68	74	75659	22.017	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	144133	22.335	ug/l	100
10) Methyl Iodide	4.27	142	202047	20.751	ug/l	99
11) Tert butyl alcohol	5.16	59	60079	119.246	ug/l	100
12) 1,1-Dichloroethene	4.03	96	148489	21.973	ug/l	94
13) Acrolein	3.88	56	54611	105.385	ug/l	99
14) Allyl chloride	4.66	41	224059	21.697	ug/l	99
15) Acrylonitrile	5.36	53	187852	119.595	ug/l	99
16) Acetone	4.12	43	190247	113.480	ug/l	93
17) Carbon Disulfide	4.38	76	427460	20.987	ug/l	98
18) Methyl Acetate	4.67	43	96393	23.807	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	198523	23.666	ug/l	97
20) Methylene Chloride	4.91	84	171493	22.836	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	156019	21.743	ug/l	98
22) Diisopropyl ether	6.31	45	430456	22.270	ug/l	98
23) Vinyl Acetate	6.25	43	1323674	113.404	ug/l	100
24) 1,1-Dichloroethane	6.21	63	264581	21.700	ug/l	99
25) 2-Butanone	7.16	43	258263	120.041	ug/l	97
26) 2,2-Dichloropropane	7.16	77	153561	22.748	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	162317	21.528	ug/l	97
28) Bromochloromethane	7.51	49	94610	19.792	ug/l	99
29) Tetrahydrofuran	7.52	42	158446	118.878	ug/l	100
30) Chloroform	7.67	83	251288	22.039	ug/l	98
31) Cyclohexane	7.95	56	271204	21.403	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	203156	22.154	ug/l	100
36) 1,1-Dichloropropene	8.08	75	215153	22.180	ug/l	99
37) Ethyl Acetate	7.24	43	106173	24.134	ug/l	99
38) Carbon Tetrachloride	8.07	117	191914	22.805	ug/l	100

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Time: Jan 14 12:34:45 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)
39) Methylcyclohexane	9.34	83	273115	21.940	ug/l	99
40) Benzene	8.32	78	612076	22.302	ug/l	100
41) Methacrylonitrile	7.48	41	55256	22.532	ug/l	97
42) 1,2-Dichloroethane	8.40	62	161145	22.625	ug/l	99
43) Isopropyl Acetate	8.42	43	185590	23.231	ug/l	100
44) Trichloroethene	9.09	130	163663	22.038	ug/l	97
45) 1,2-Dichloropropane	9.37	63	149702	22.228	ug/l	99
46) Dibromomethane	9.46	93	75816	22.803	ug/l	99
47) Bromodichloromethane	9.64	83	183074	22.303	ug/l	99
48) Methyl methacrylate	9.43	41	90212	23.129	ug/l	98
49) 1,4-Dioxane	9.44	88	30974	498.096	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	500952	120.753	ug/l	99
52) Toluene	10.38	92	386440	22.381	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	188953	22.233	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	228253	21.975	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	112493	23.167	ug/l	98
56) Ethyl methacrylate	10.65	69	144029	22.824	ug/l	99
57) 1,3-Dichloropropane	10.93	76	195534	22.912	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	206155	107.415	ug/l	100
59) 2-Hexanone	10.96	43	353157	123.536	ug/l	99
60) Dibromochloromethane	11.13	129	122017	22.271	ug/l	99
61) 1,2-Dibromoethane	11.23	107	105114	22.805	ug/l	99
64) Tetrachloroethene	10.86	164	140215	22.367	ug/l	99
65) Chlorobenzene	11.66	112	394874	22.259	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	132461	22.177	ug/l	99
67) Ethyl Benzene	11.73	91	712559	22.288	ug/l	100
68) m/p-Xylenes	11.84	106	545253	44.562	ug/l	99
69) o-Xylene	12.16	106	250771	22.187	ug/l	99
70) Styrene	12.18	104	429882	22.487	ug/l	99
71) Bromoform	12.35	173	76032	23.337	ug/l #	99
73) Isopropylbenzene	12.46	105	690885	21.977	ug/l	100
74) N-amyl acetate	12.27	43	158646	22.507	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133814	23.583	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	103431m	25.534	ug/l	
77) Bromobenzene	12.74	156	163130	22.343	ug/l	99
78) n-propylbenzene	12.80	91	830907	22.478	ug/l	99
79) 2-Chlorotoluene	12.89	91	462063	21.965	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	585408	22.179	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	42275	23.253	ug/l	96
82) 4-Chlorotoluene	12.99	91	481152	22.015	ug/l	100
83) tert-Butylbenzene	13.21	119	510849	22.106	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	587610	22.371	ug/l	99
85) sec-Butylbenzene	13.38	105	716919	22.412	ug/l	100
86) p-Isopropyltoluene	13.49	119	659340	22.614	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	309498	21.799	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	308092	21.980	ug/l	99
89) n-Butylbenzene	13.82	91	601780	22.226	ug/l	99
90) Hexachloroethane	14.09	117	109292	21.457	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	277231	22.216	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20832	23.184	ug/l	97

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Manual Integrations
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Quant Time: Jan 14 12:34:45 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.13	180	184907	21.942	ug/l	99
94) Hexachlorobutadiene	15.24	225	124530	22.051	ug/l	97
95) Naphthalene	15.36	128	320461	22.298	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	162206	22.083	ug/l	99

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

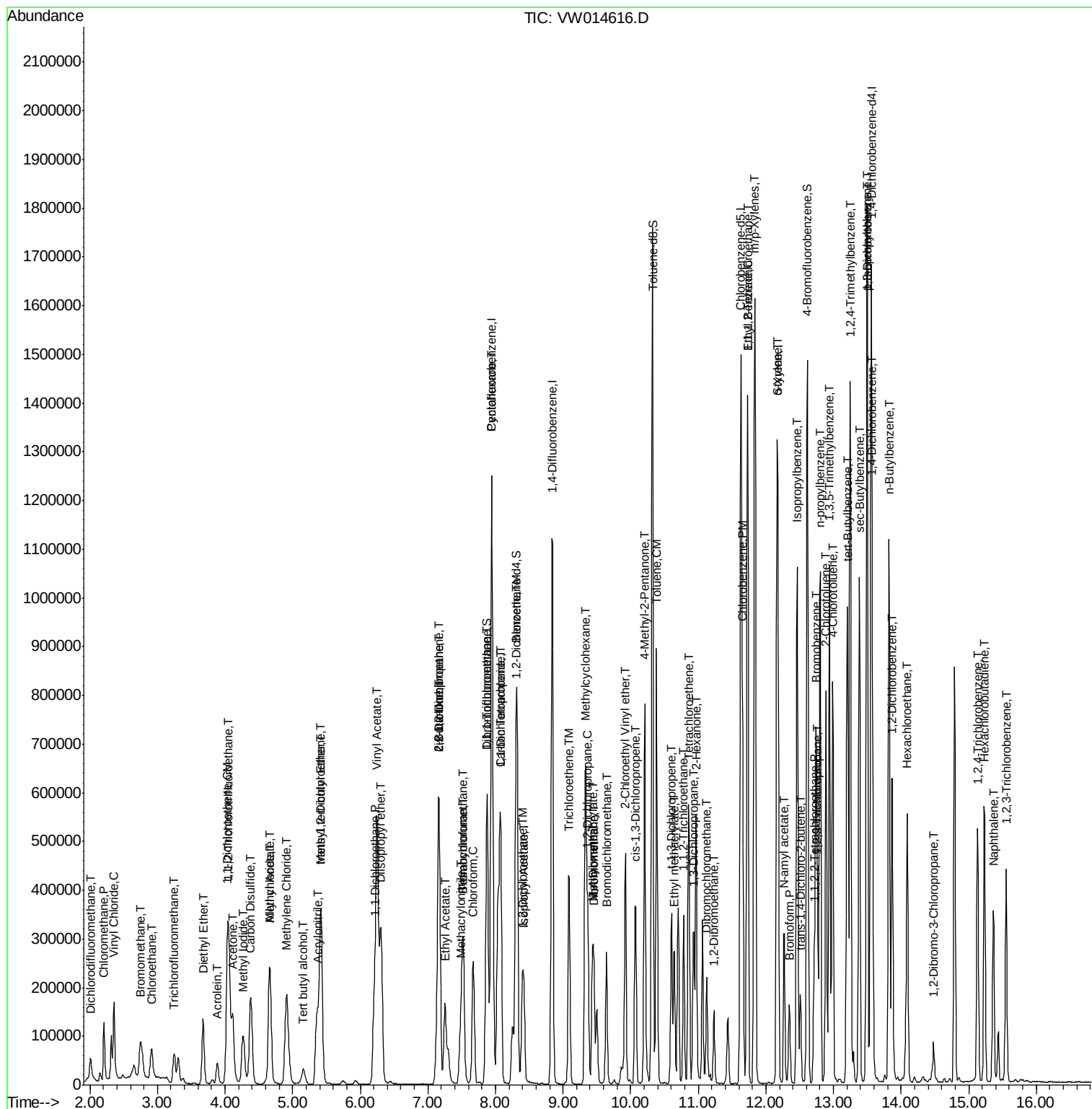
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Data File : VW014616.D
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Operator : SY/VA
Sample : VW0113SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
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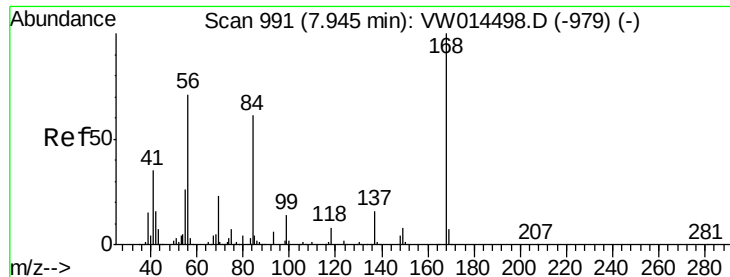
Instrument :
MSVOA_W
Client Sampled :
VW0113SBS01

Manual Integrations
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1/14/2020 3:06:43 PM

Quant Time: Jan 14 12:34:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 03 16:07:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

Tot Ion:168 Resp: 679071

Ion Ratio Lower Upper

168 100

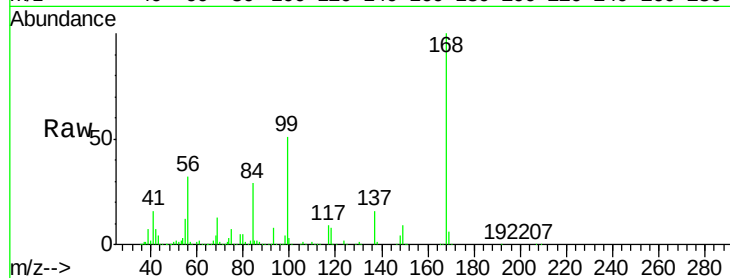
99 50.6 41.1 61.7

Manual Integrations

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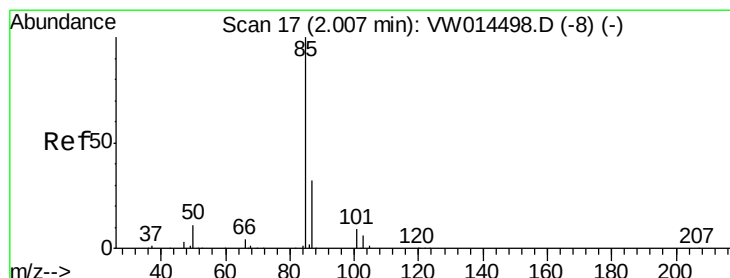
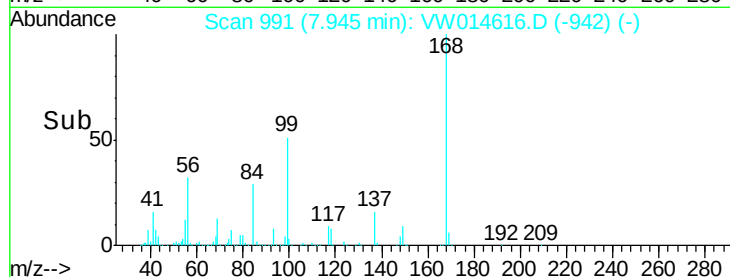
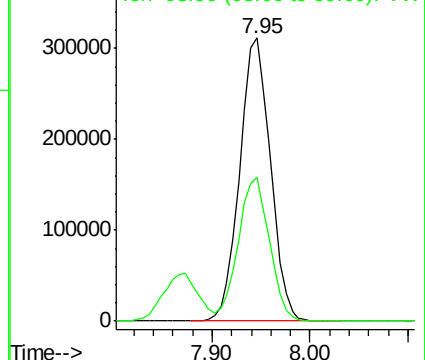
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.565 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014616.D

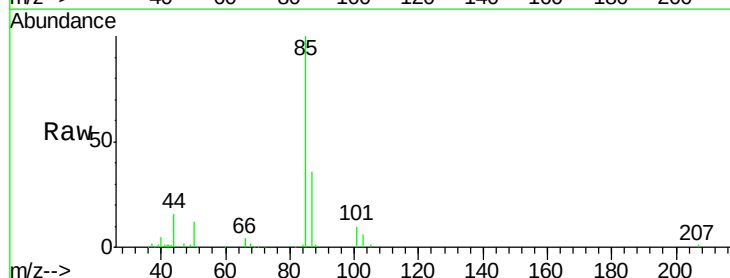
Acq: 13 Jan 2020 11:39

Tgt Ion: 85 Resp: 82684

Ion Ratio Lower Upper

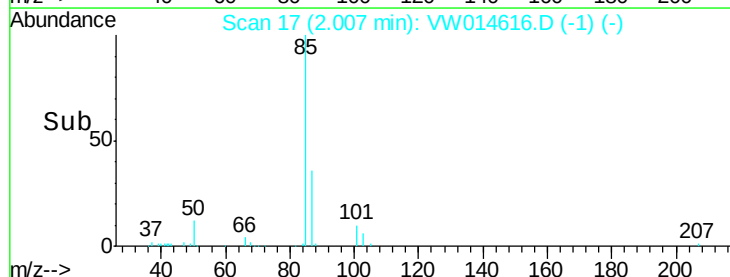
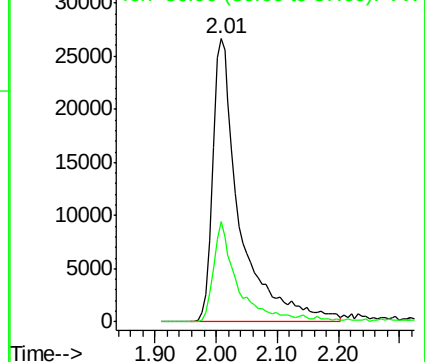
85 100

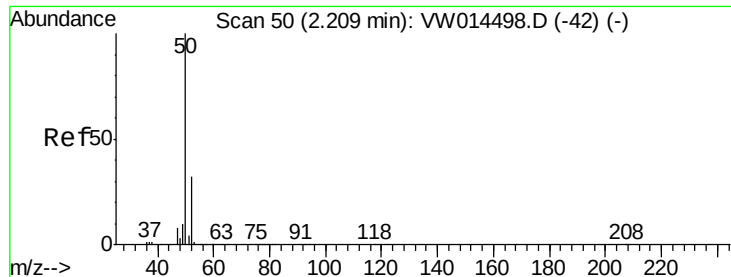
87 35.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.873 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

Tot Ion: 50 Resp: 102654

Ion Ratio Lower Upper

50 100

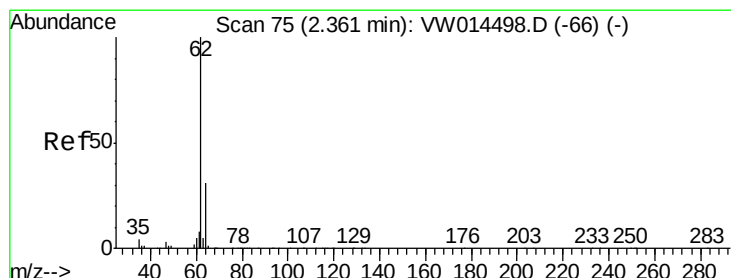
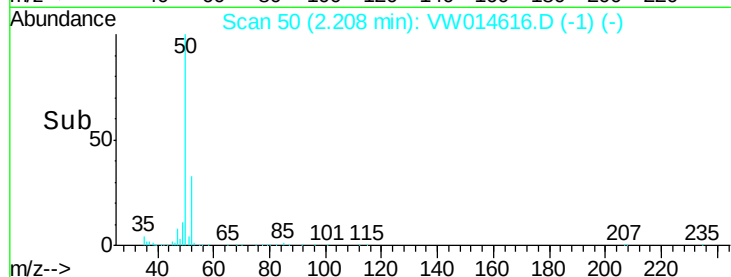
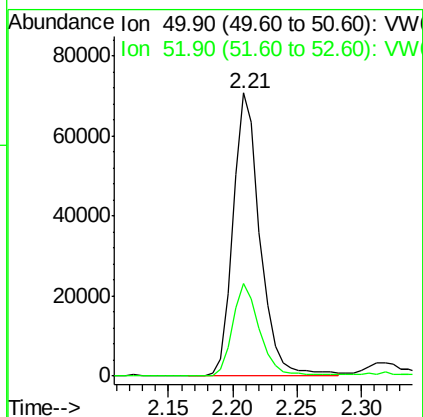
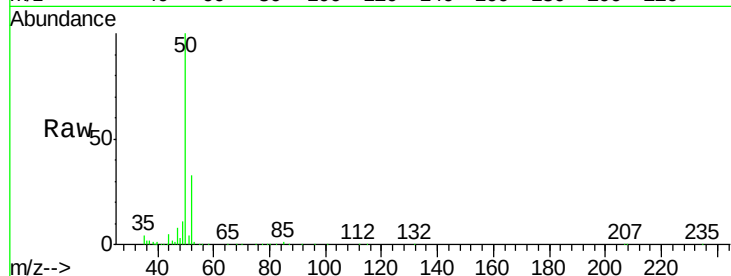
52 32.7 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.159 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014616.D

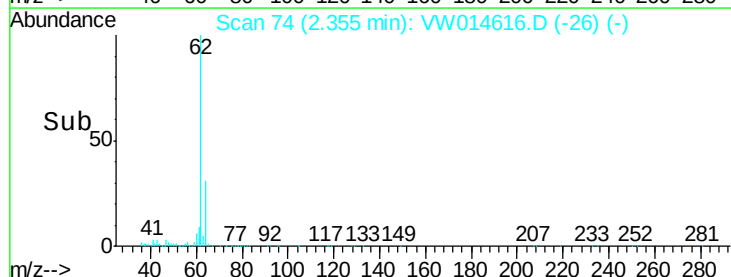
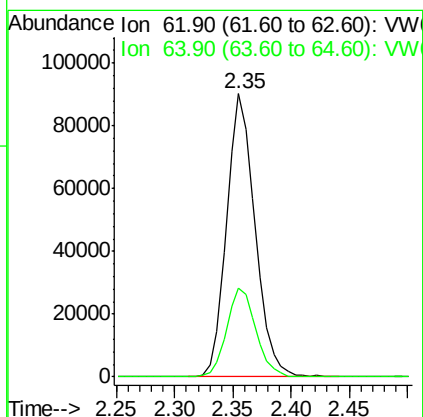
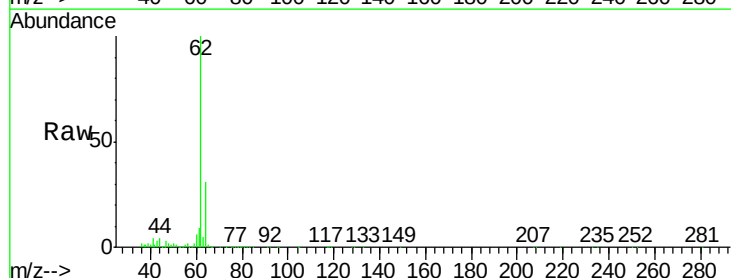
Acq: 13 Jan 2020 11:39

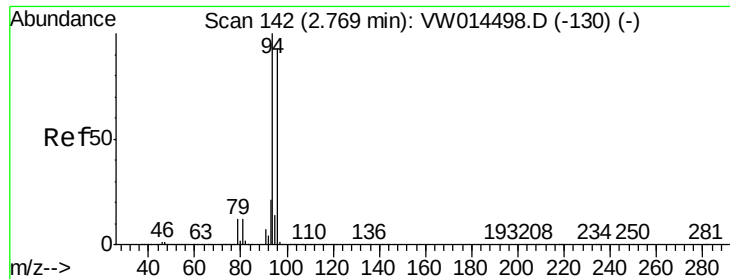
Tgt Ion: 62 Resp: 152959

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.4





#5

Bromomethane

Concen: 21.642 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

Tot Ion: 94 Resp: 92284

Ion Ratio Lower Upper

94 100

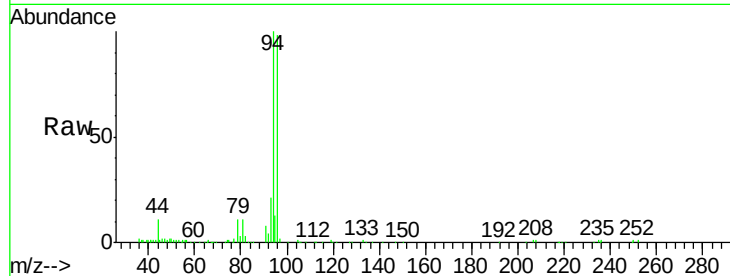
96 98.0 74.2 111.2

Manual Integrations

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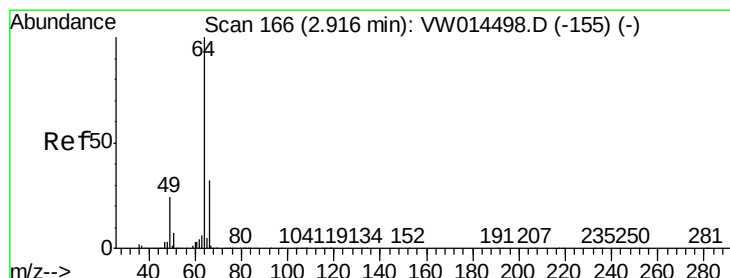
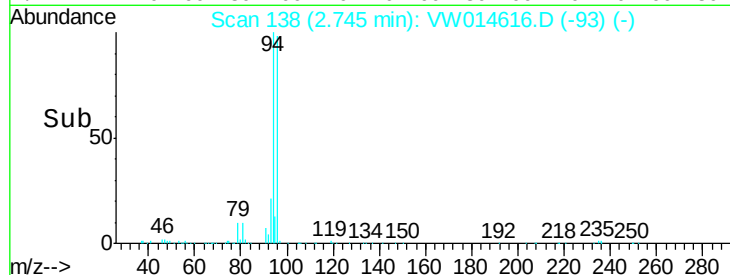
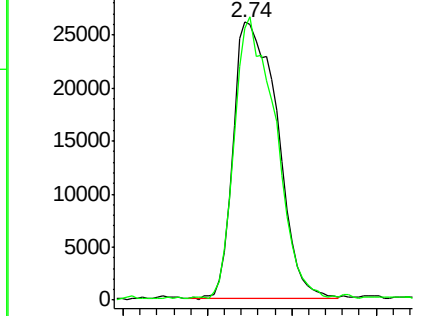
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 21.925 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW014616.D

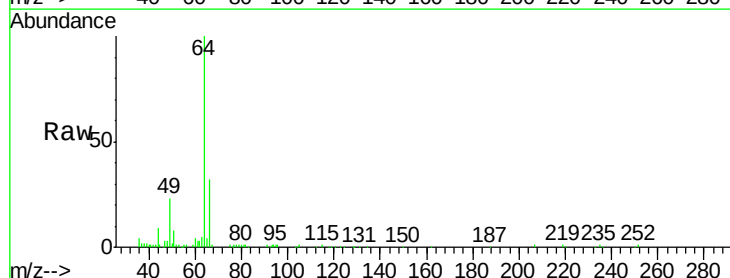
Acq: 13 Jan 2020 11:39

Tgt Ion: 64 Resp: 86272

Ion Ratio Lower Upper

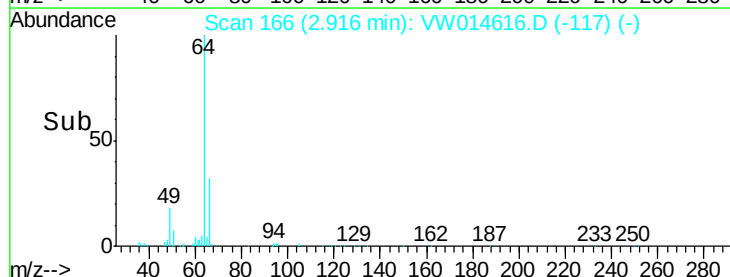
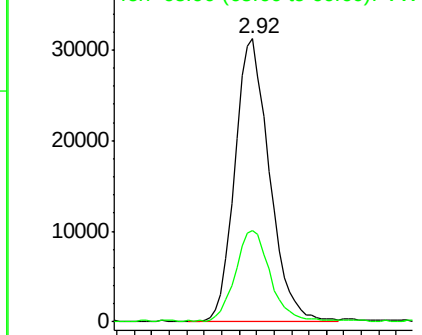
64 100

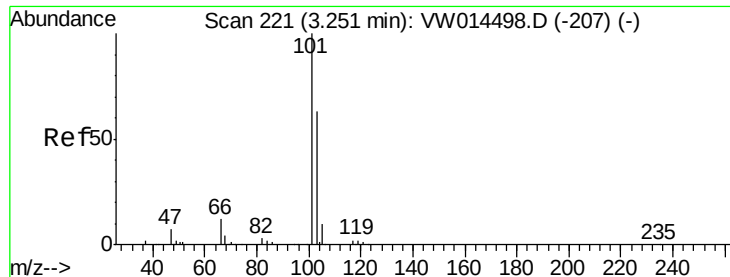
66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

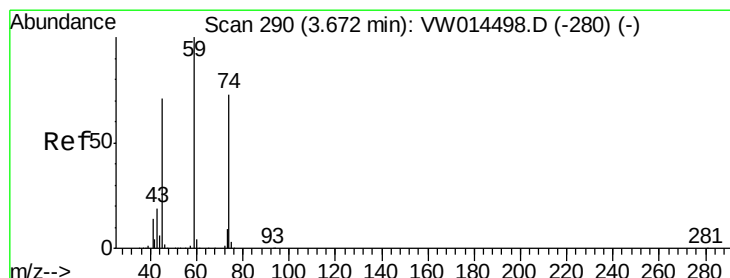
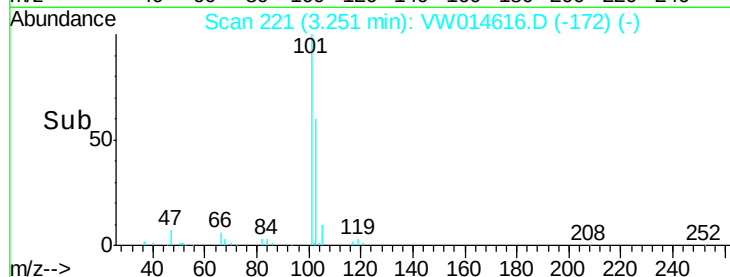
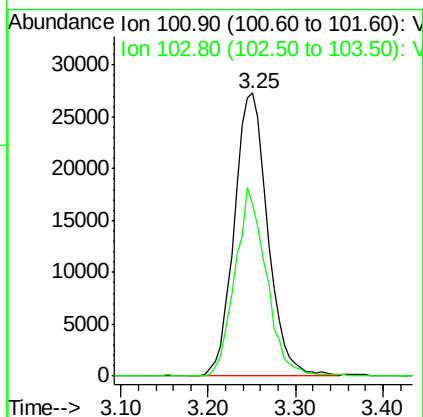
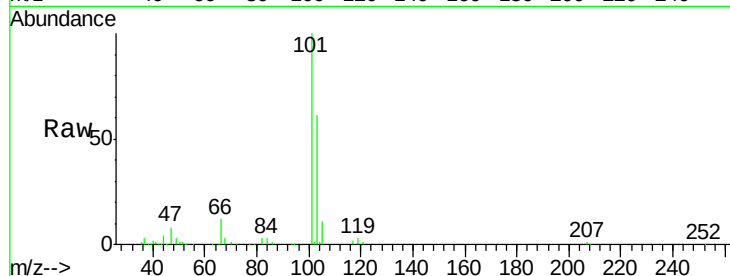
Trichlorofluoromethane
 Concen: 21.042 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	50.1	75.1

Manual Integrations
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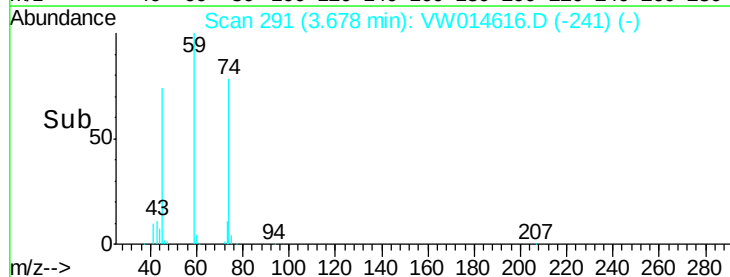
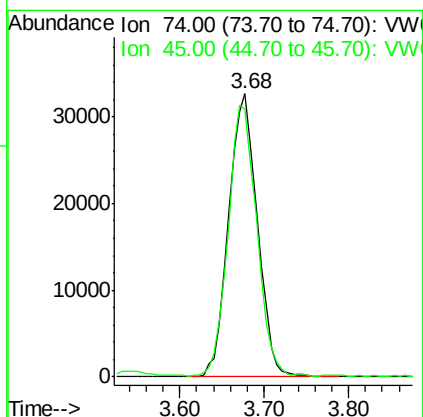
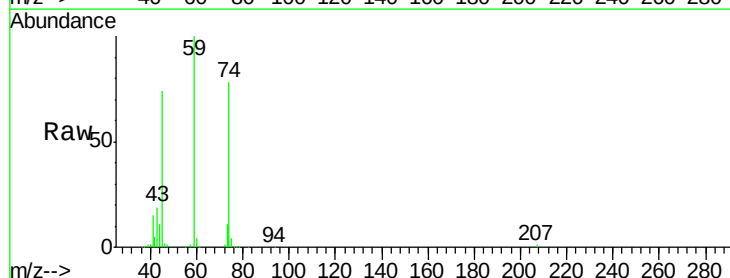
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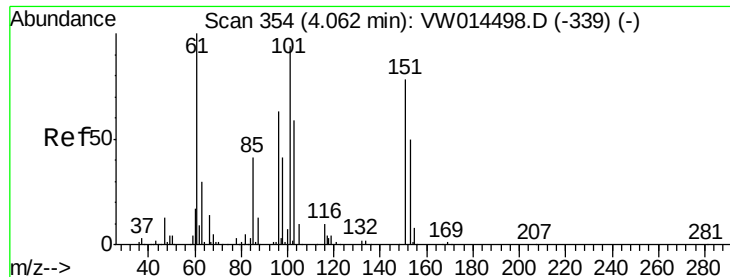


#8

Diethyl Ether
 Concen: 22.017 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.6	145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.335 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

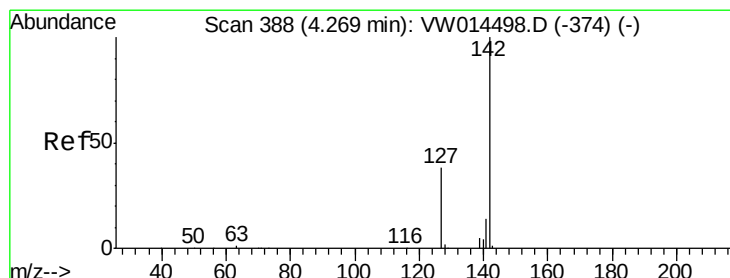
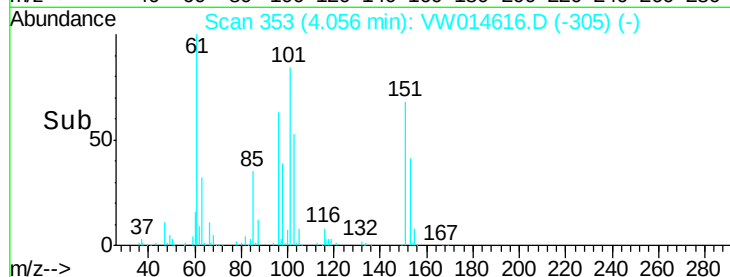
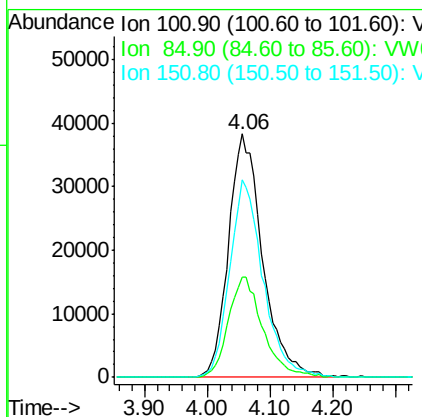
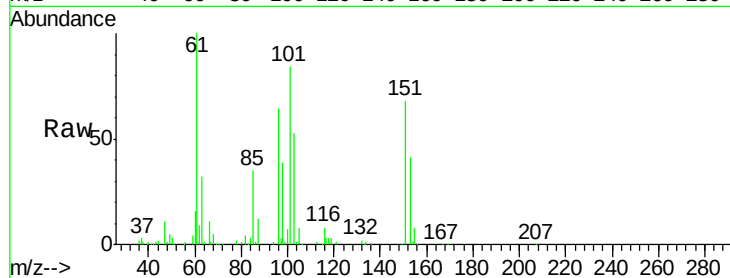
ClientSampleId :

VW0113SBSD01

Tot Ion:	101	Resp:	144133
Ion Ratio	Lower	Upper	
101	100		
85	41.7	33.7	50.5
151	79.6	63.5	95.3

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#10

Methyl Iodide

Concen: 20.751 ug/l

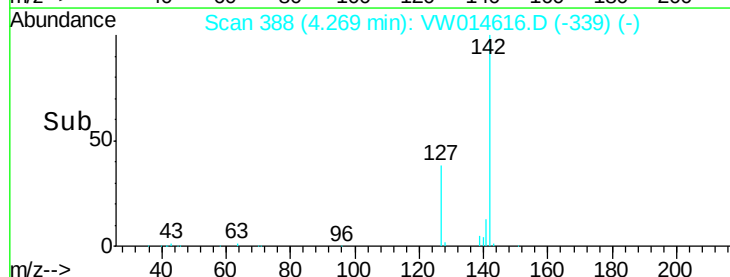
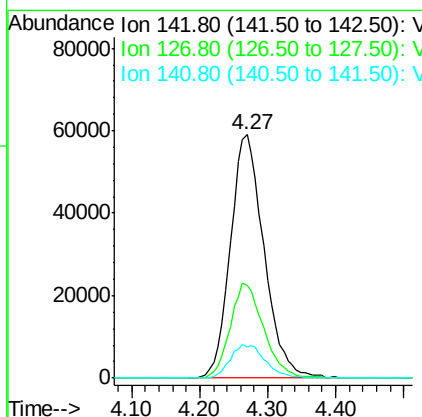
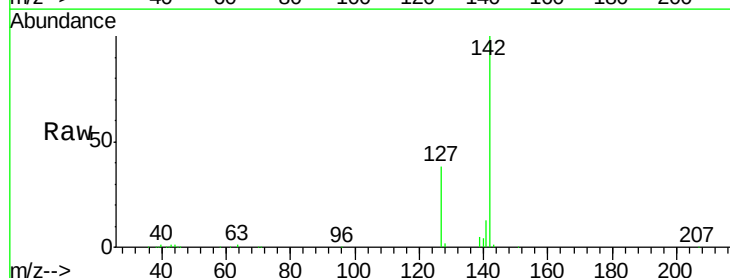
RT: 4.27 min Scan# 388

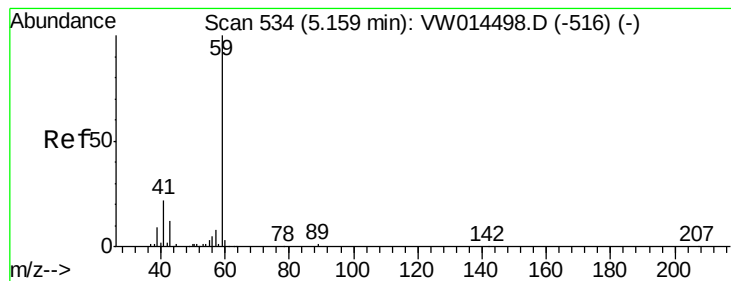
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	142	Resp:	202047
Ion Ratio	Lower	Upper	
142	100		
127	39.0	30.2	45.4
141	14.4	11.4	17.2





#11

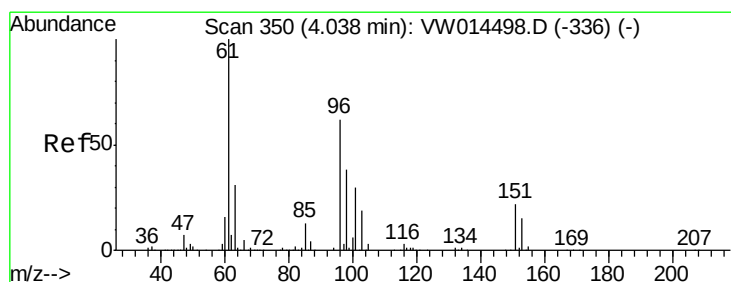
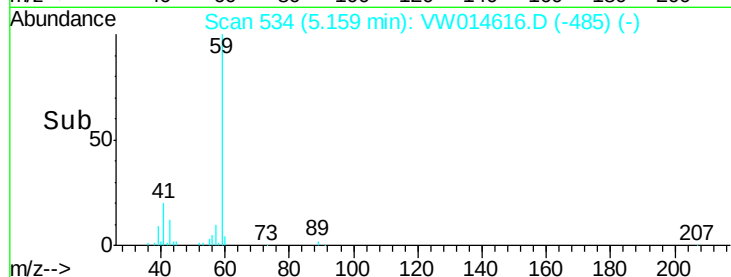
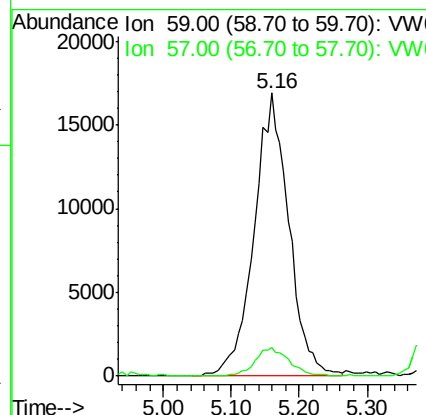
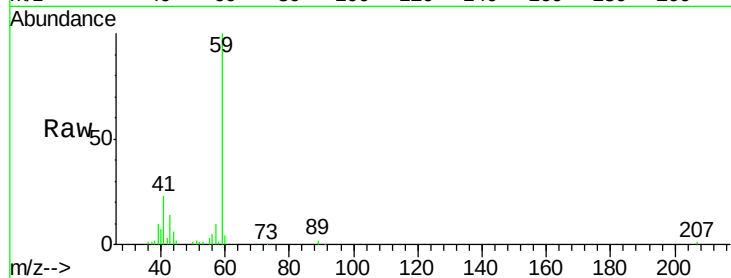
Tert butyl alcohol
 Concen: 119.246 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113BSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.8	11.8

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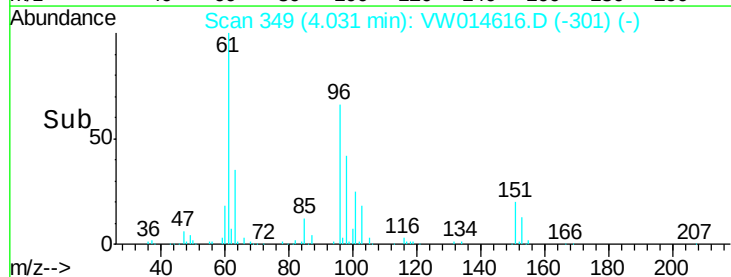
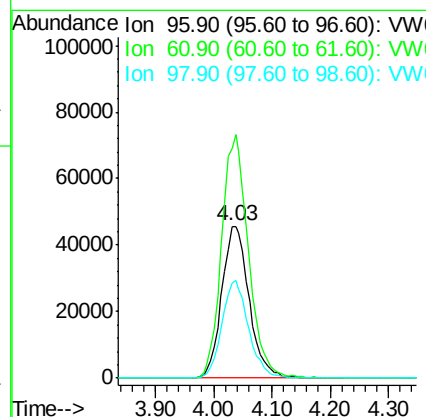
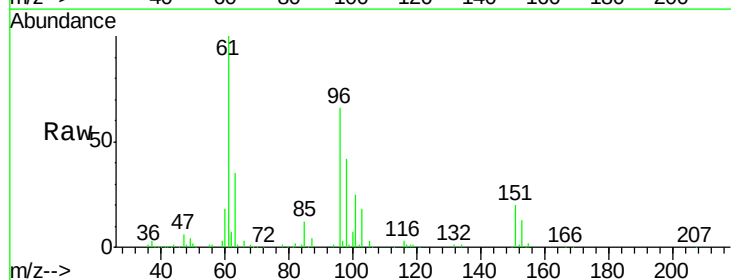
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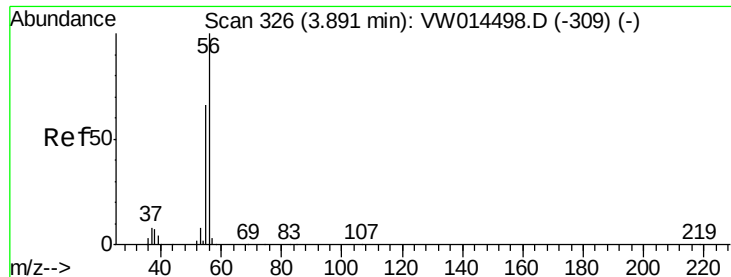


#12

1,1-Dichloroethene
 Concen: 21.973 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	128.4	192.6
98	62.9	49.1	73.7





#13

Acrolein

Concen: 105.385 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

Tot Ion: 56 Resp: 54611

Ion Ratio Lower Upper

56 100

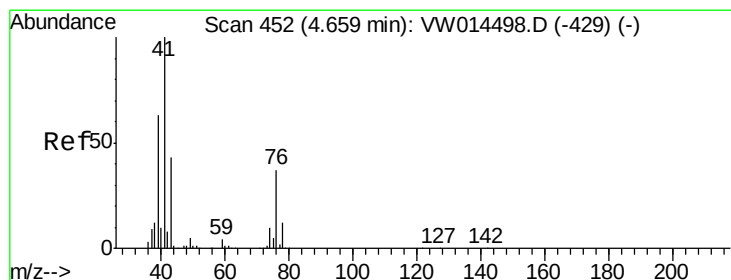
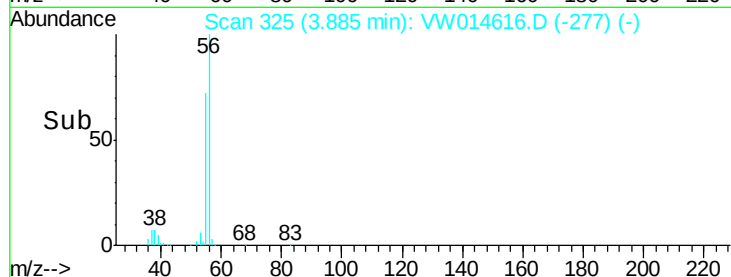
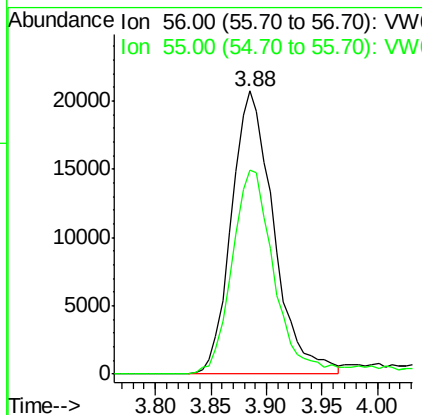
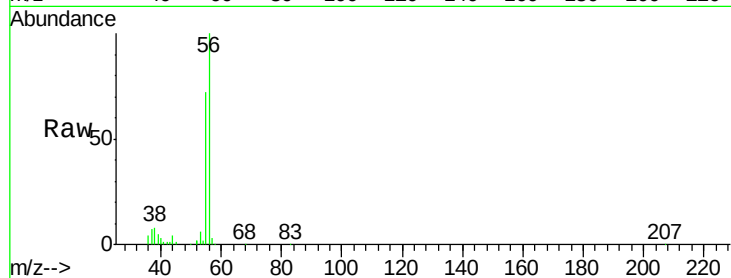
55 72.0 56.7 85.1

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#14

Allyl chloride

Concen: 21.697 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

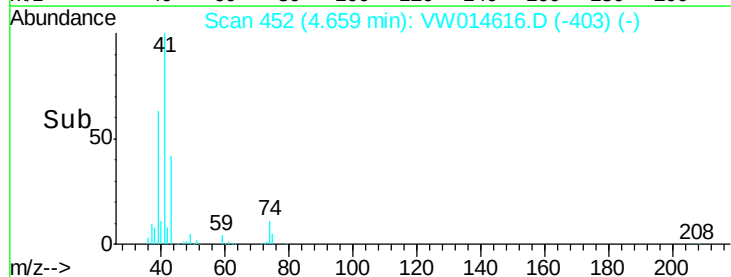
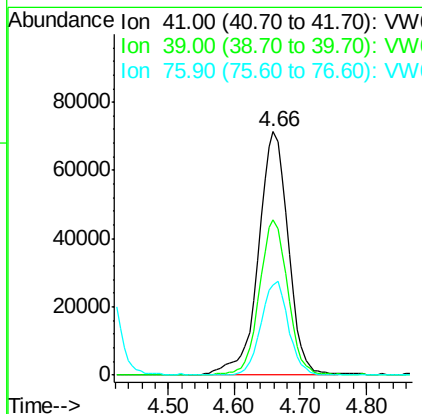
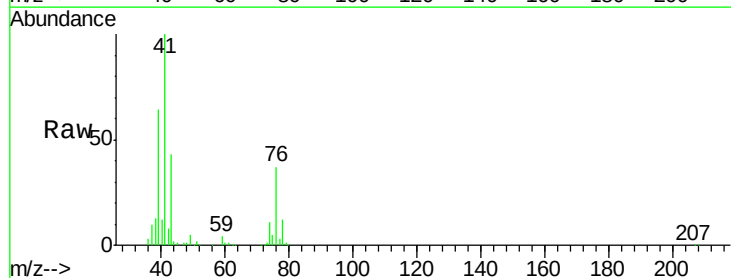
Tgt Ion: 41 Resp: 224059

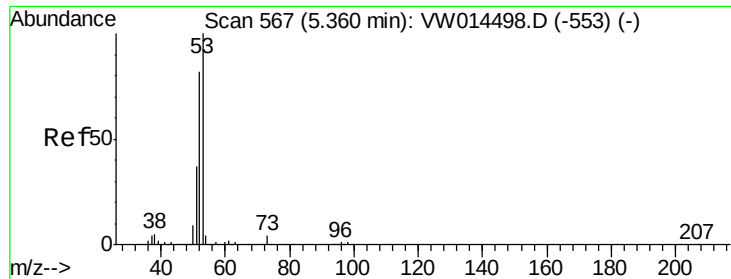
Ion Ratio Lower Upper

41 100

39 61.1 48.5 72.7

76 35.4 28.1 42.1





#15

Acrylonitrile

Concen: 119.595 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

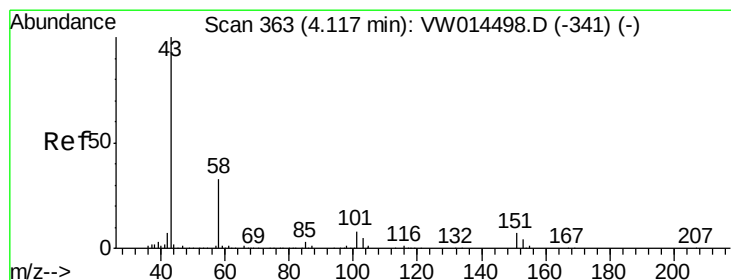
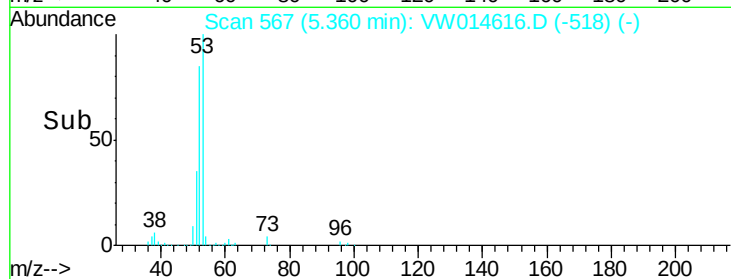
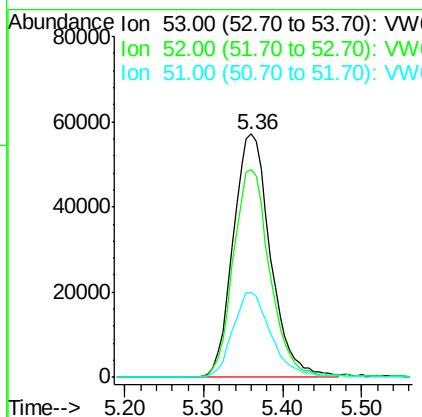
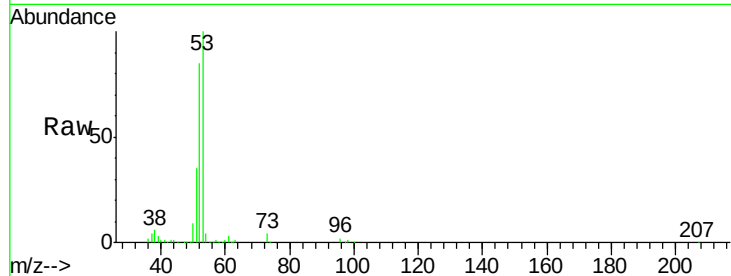
ClientSampleId :

VW0113SBSD01

Tot Ion:	53	Resp:	187852
Ion Ratio	Lower	Upper	
53	100		
52	84.3	66.5	99.7
51	35.7	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 113.480 ug/l

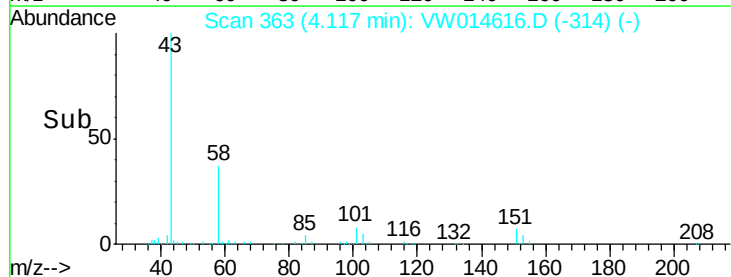
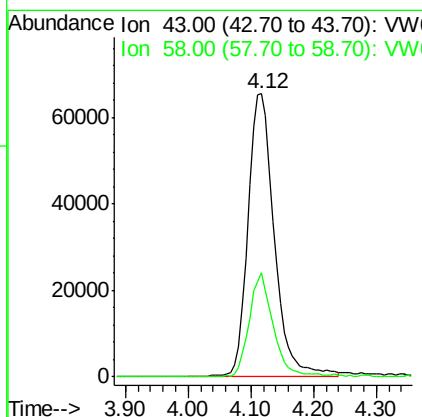
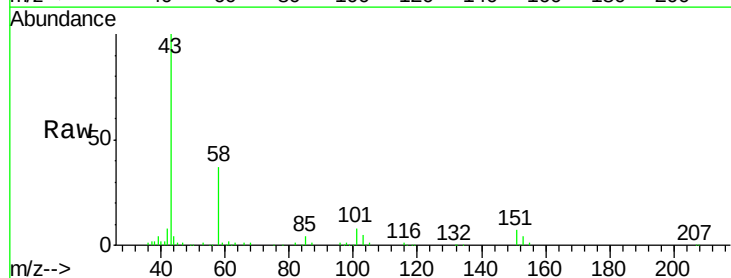
RT: 4.12 min Scan# 363

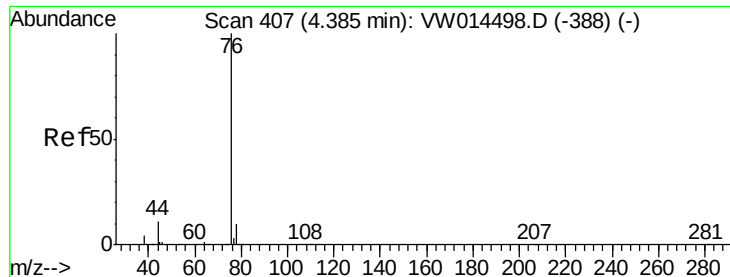
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	43	Resp:	190247
Ion Ratio	Lower	Upper	
43	100		
58	37.0	26.6	39.8





#17

Carbon Disulfide

Concen: 20.987 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBSD01

Tot Ion: 76 Resp: 427460

Ion Ratio Lower Upper

76 100

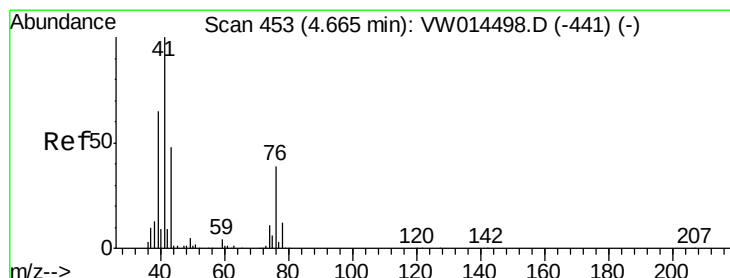
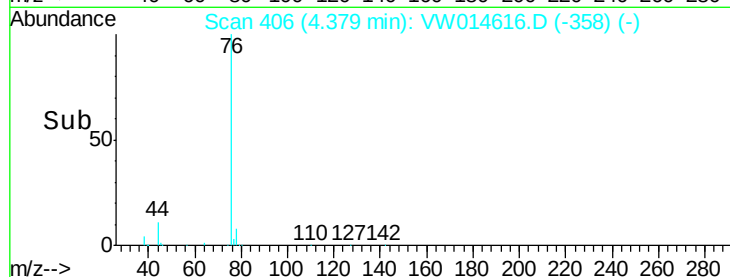
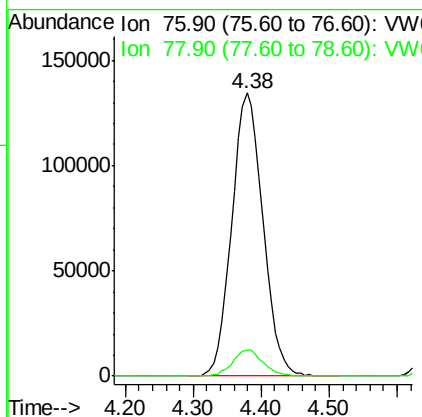
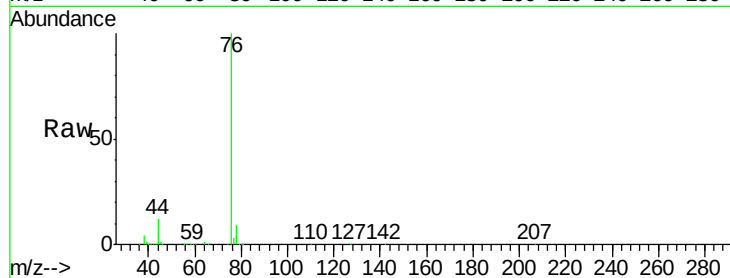
78 9.1 7.8 11.6

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#18

Methyl Acetate

Concen: 23.807 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014616.D

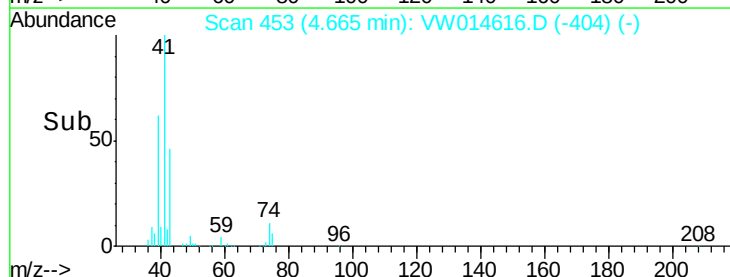
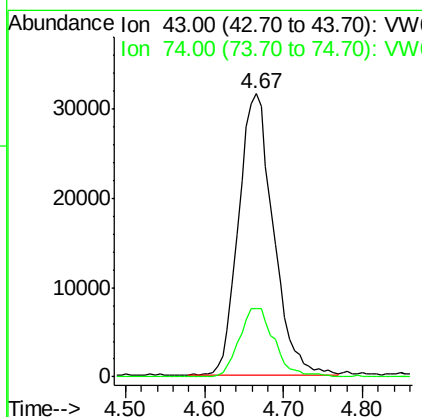
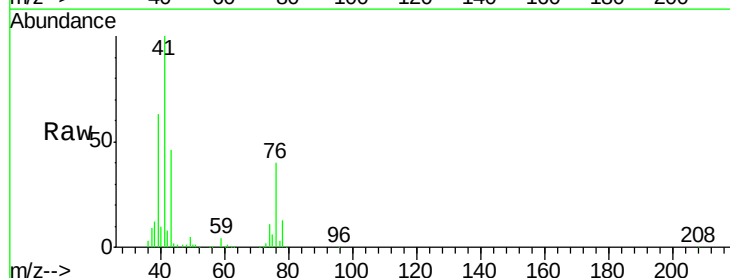
Acq: 13 Jan 2020 11:39

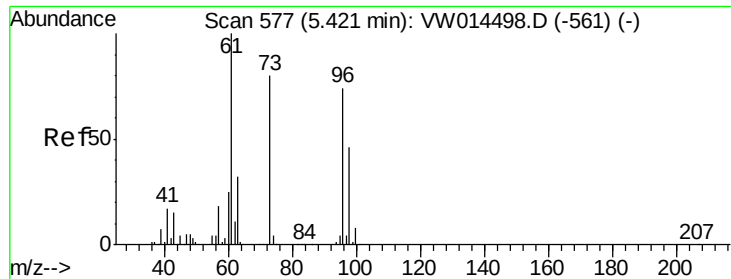
Tgt Ion: 43 Resp: 96393

Ion Ratio Lower Upper

43 100

74 24.8 19.3 28.9





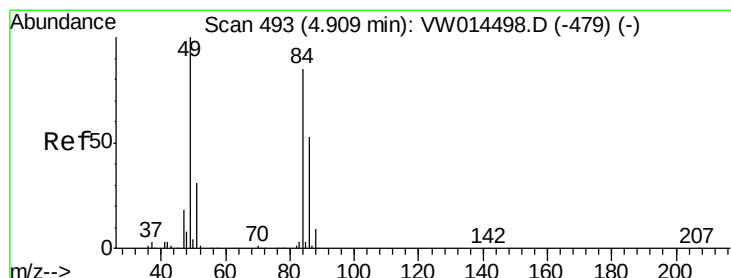
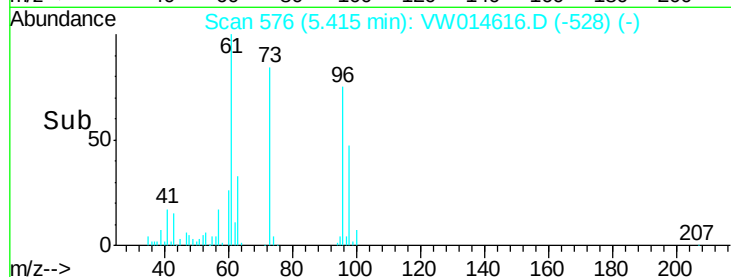
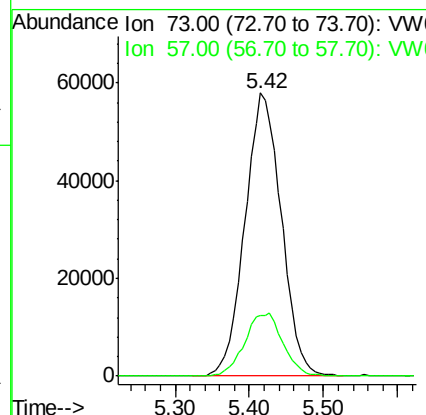
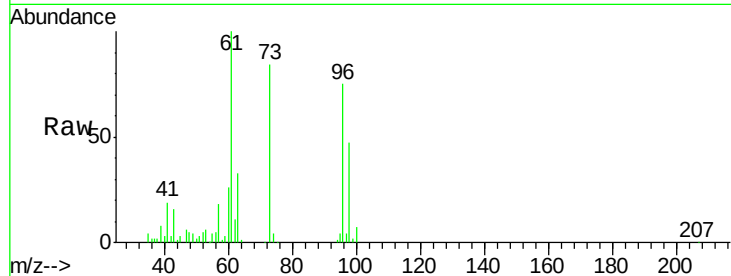
#19
Methyl tert-butyl Ether
Concen: 23.666 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.1	27.1

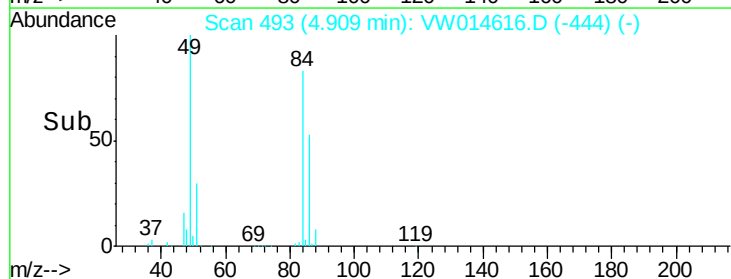
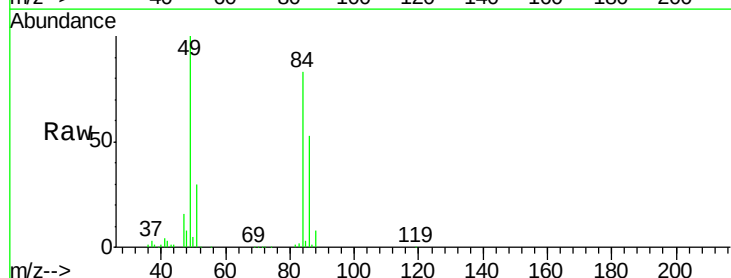
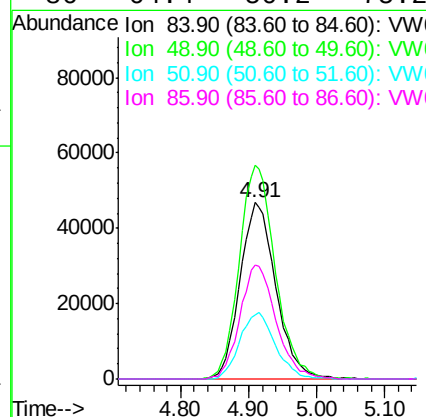
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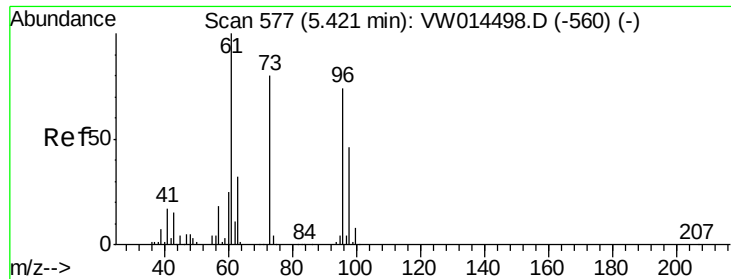
apatel
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#20
Methylene Chloride
Concen: 22.836 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.0	94.4	141.6
51	36.3	29.5	44.3
86	64.4	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 21.743 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

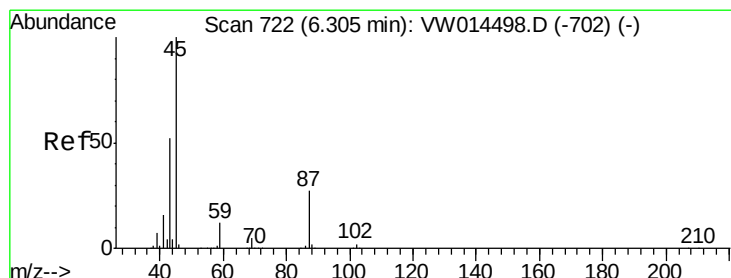
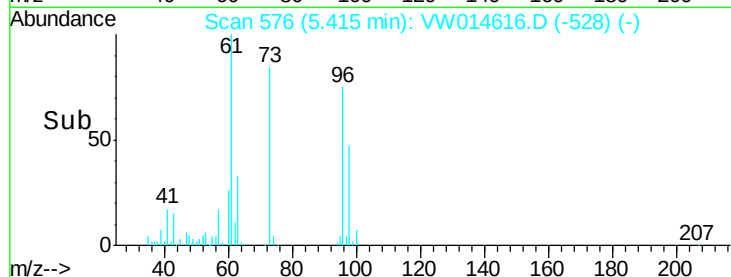
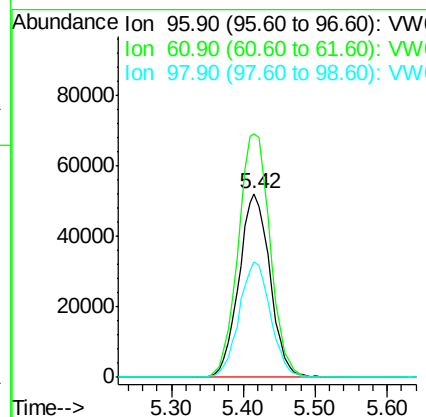
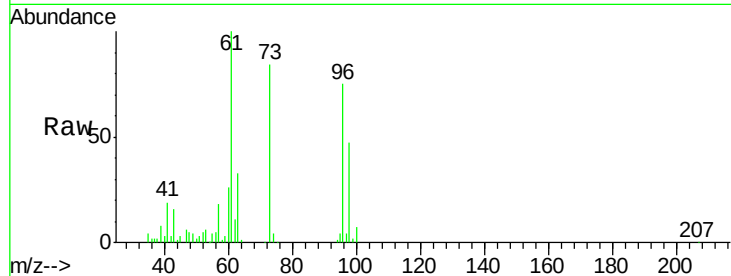
ClientSampleId :

VW0113SBSD01

Tot Ion:	96	Resp:	156019
Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.8	161.6
98	62.7	49.4	74.0

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#22

Diisopropyl ether

Concen: 22.270 ug/l

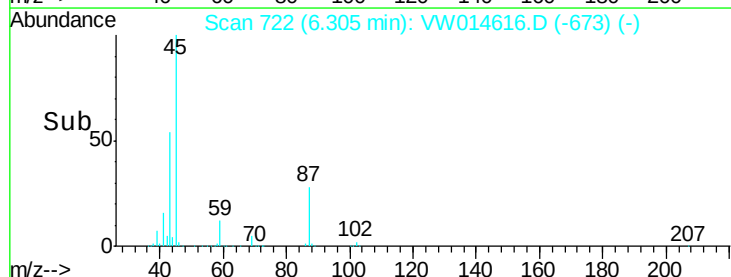
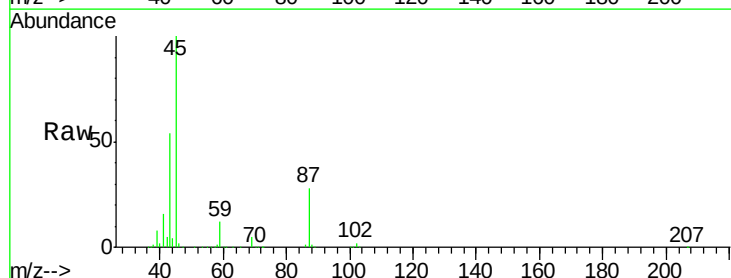
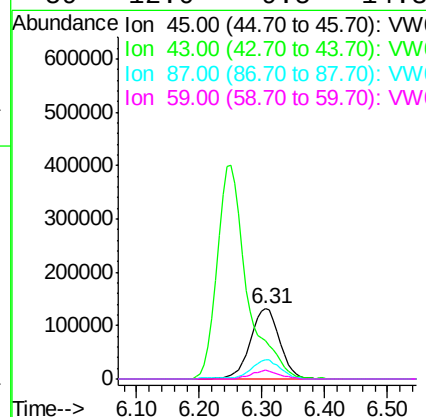
RT: 6.31 min Scan# 722

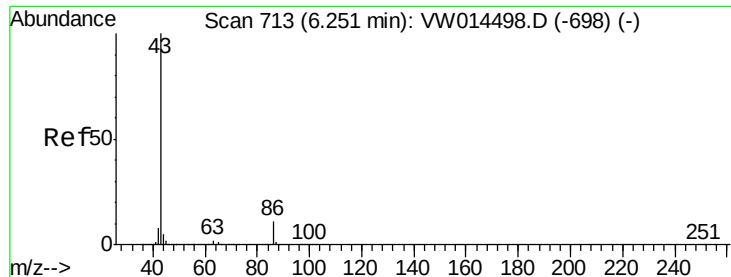
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	45	Resp:	430456
Ion	Ratio	Lower	Upper
45	100		
43	53.7	41.4	62.0
87	27.9	22.2	33.2
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 113.404 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleID :

VW0113SBS01

Tot Ion: 43 Resp: 1323674

Ion Ratio Lower Upper

43 100

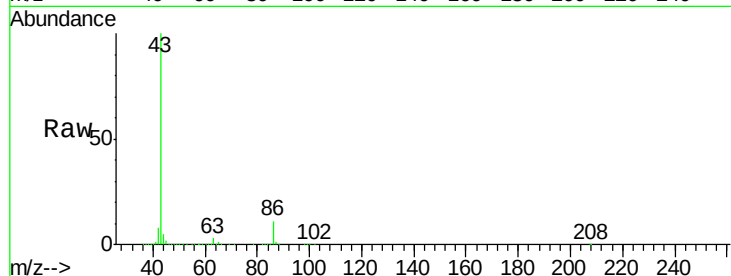
86 10.9 8.8 13.2

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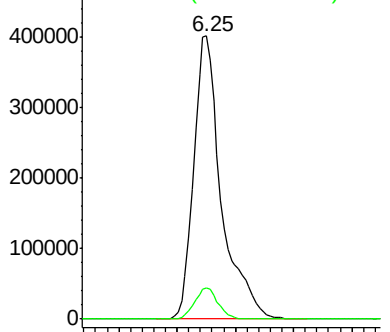
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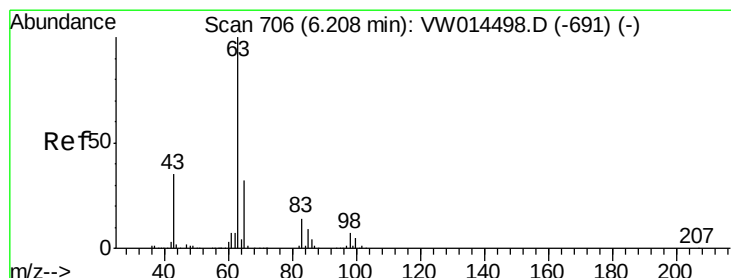
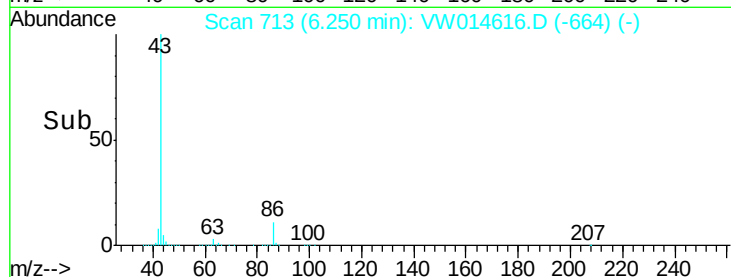


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 21.700 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

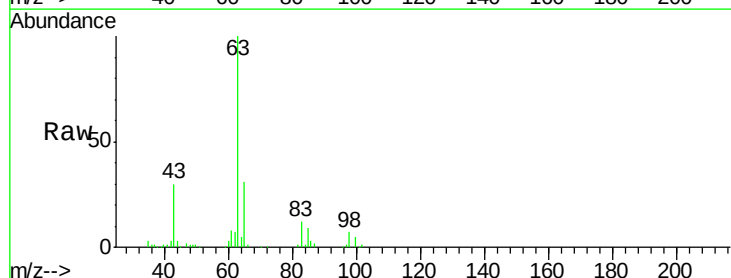
Tgt Ion: 63 Resp: 264581

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

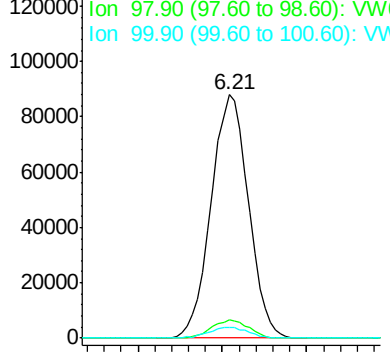
100 4.6 2.5 7.4



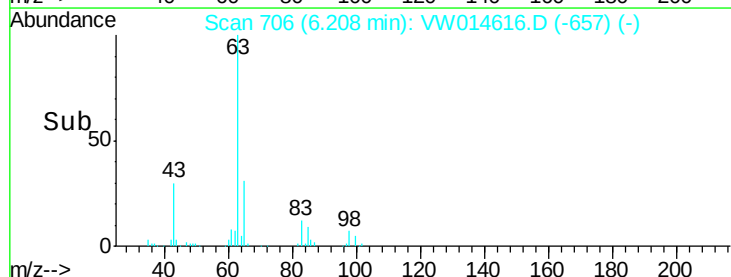
Abundance Ion 62.90 (62.60 to 63.60): VW

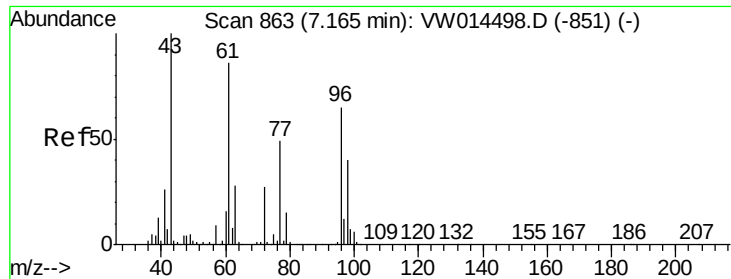
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 120.041 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

Tot Ion: 43 Resp: 258263

Ion Ratio Lower Upper

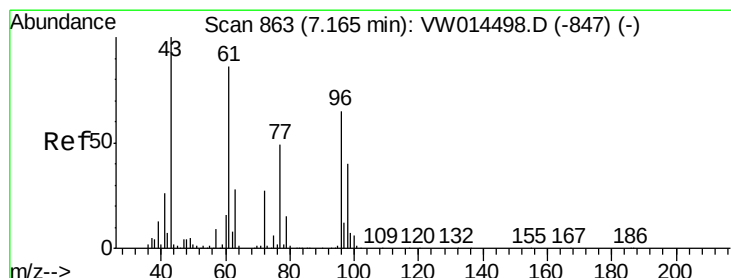
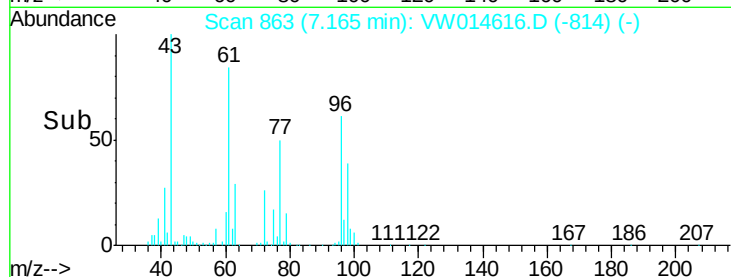
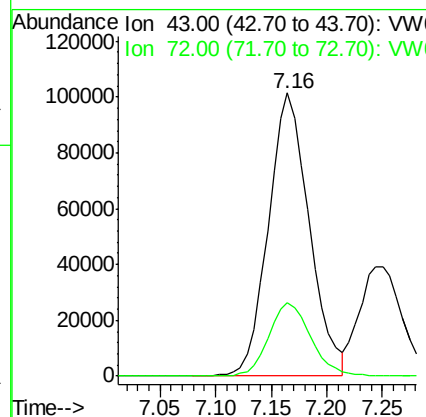
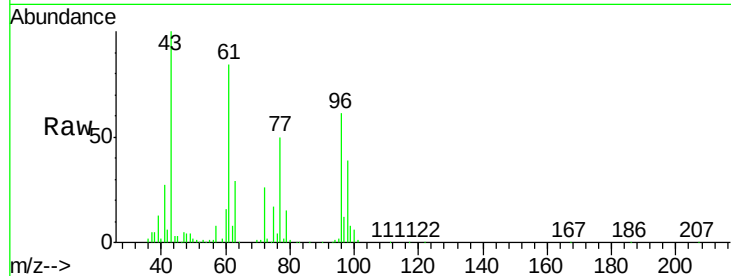
43 100

72 26.0 21.9 32.9

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.748 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014616.D

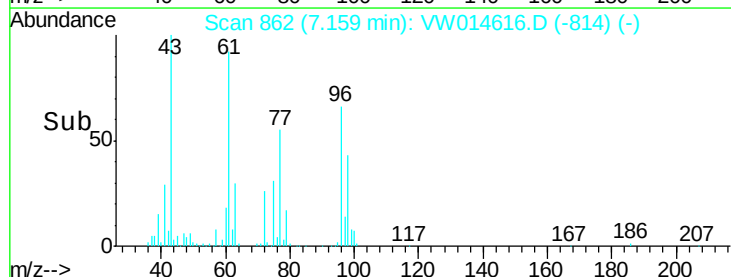
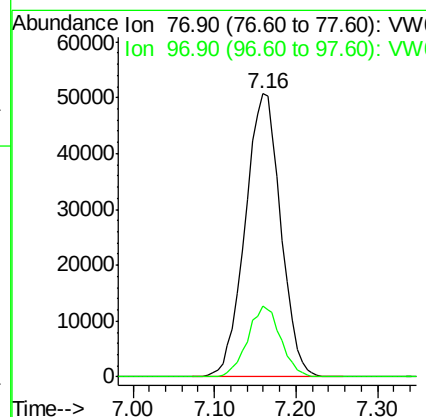
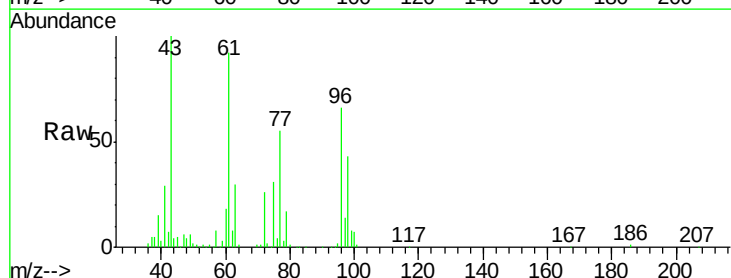
Acq: 13 Jan 2020 11:39

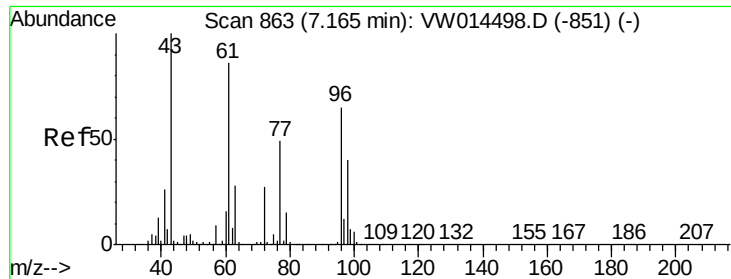
Tgt Ion: 77 Resp: 153561

Ion Ratio Lower Upper

77 100

97 23.4 12.5 37.5





#27

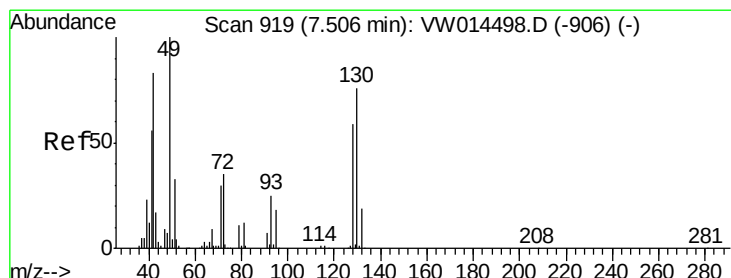
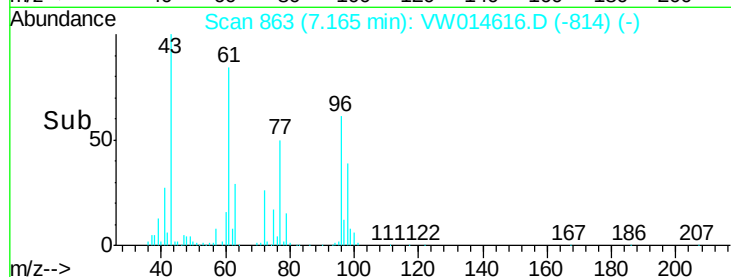
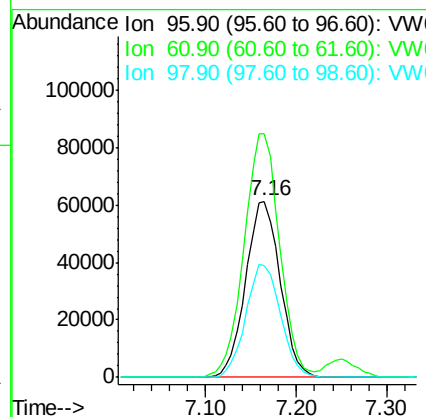
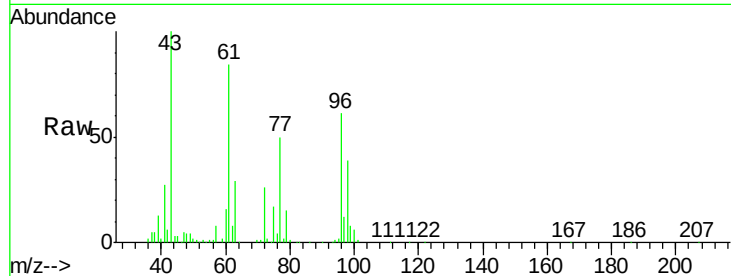
cis-1,2-Dichloroethene
Concen: 21.528 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	162317		
61	142.0	0.0	274.8	
98	64.3	0.0	128.6	

Manual Integrations
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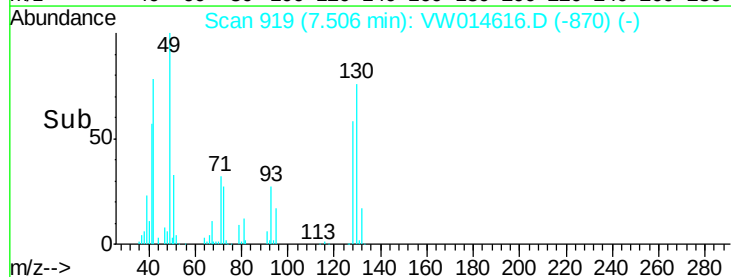
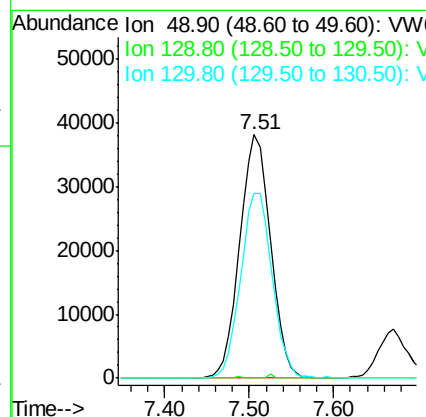
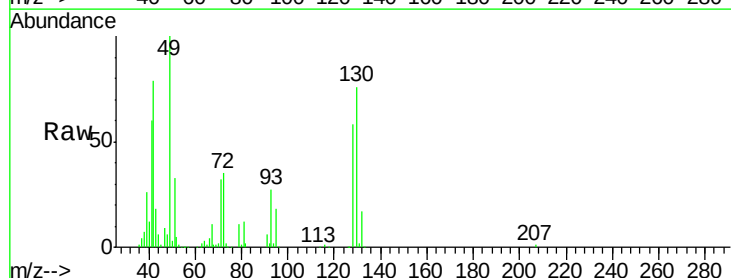
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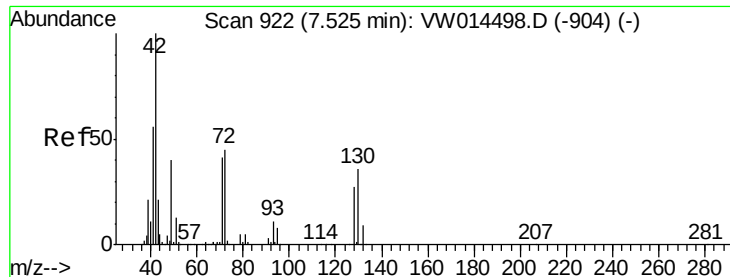


#28

Bromochloromethane
Concen: 19.792 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	94610		
129	0.3	0.0	2.0	
130	77.5	62.5	93.7	





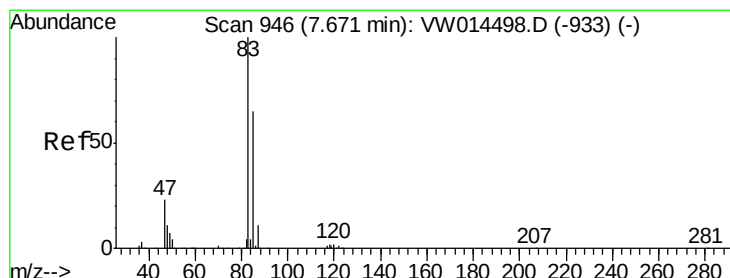
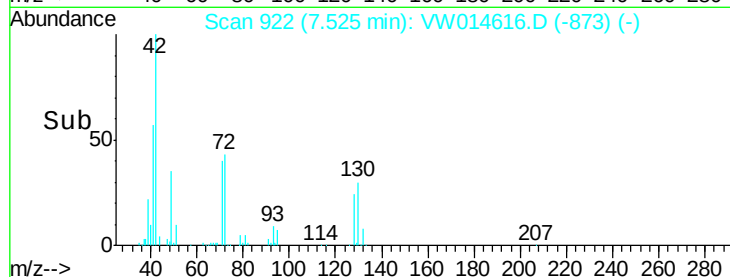
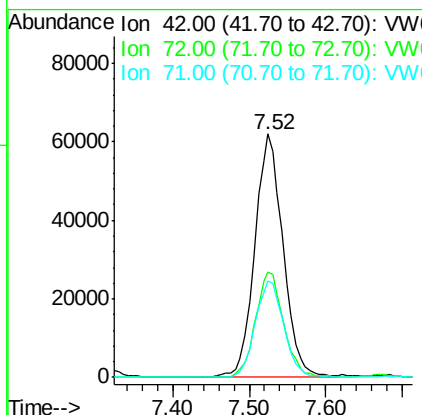
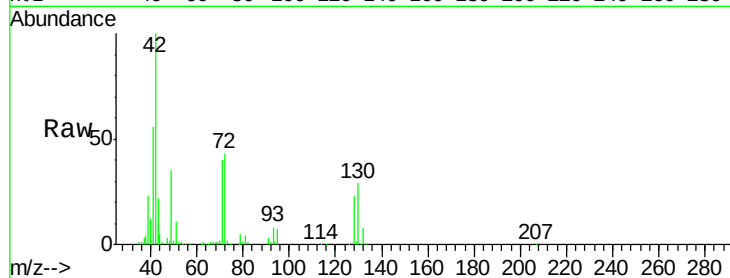
#29
Tetrahydrofuran
Concen: 118.878 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.5	51.7
71	40.3	32.0	48.0

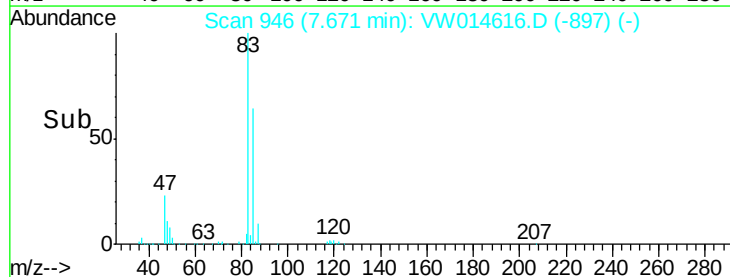
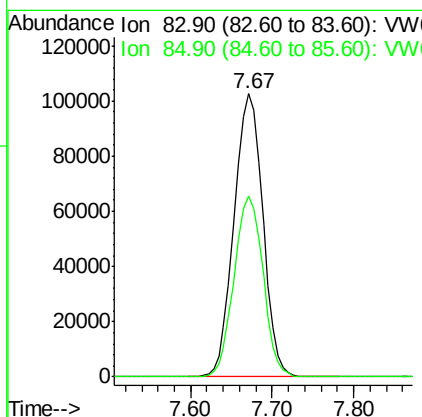
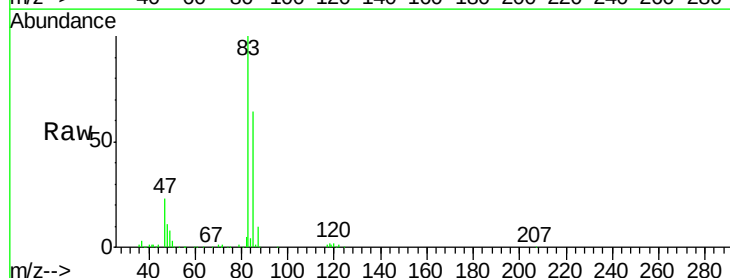
Manual Integrations
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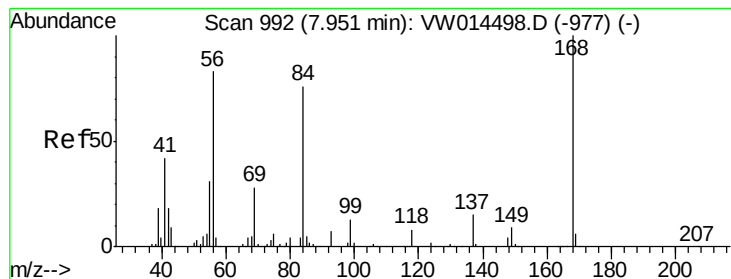
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#30
Chloroform
Concen: 22.039 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.2	78.2





#31

Cyclohexane

Concen: 21.403 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

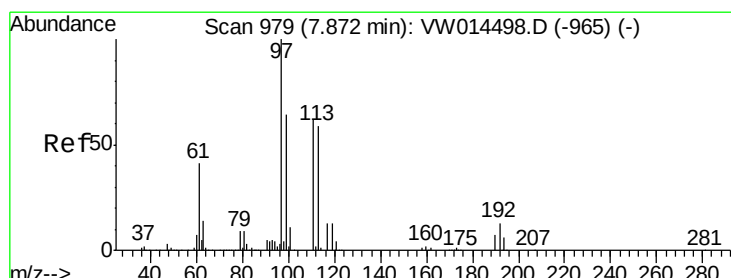
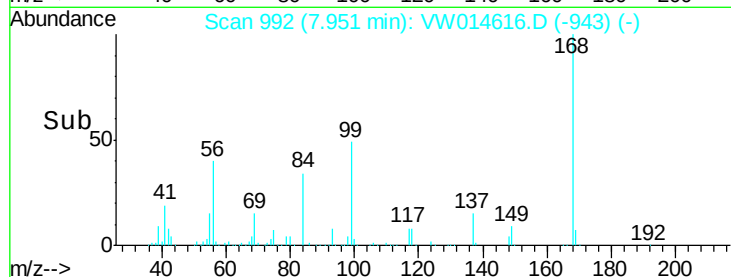
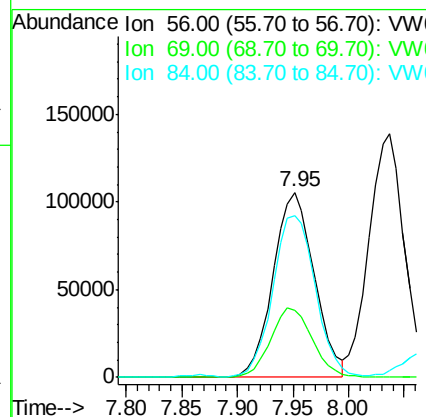
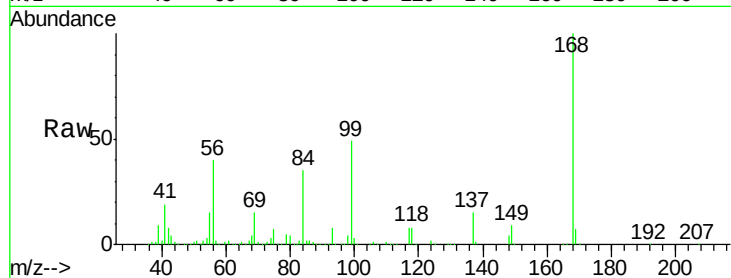
ClientSampled :

VW0113SBSD01

Tot Ion:	56	Resp:	271204
Ion Ratio	Lower	Upper	
56	100		
69	36.1	26.8	40.2
84	86.3	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.154 ug/l

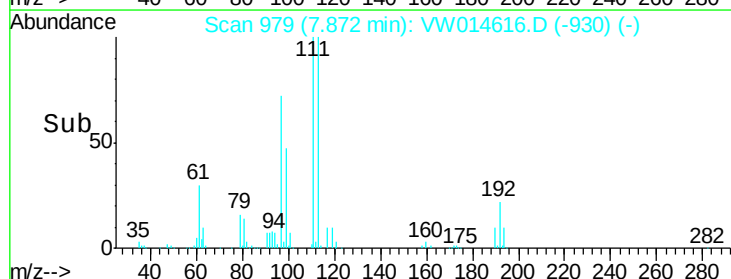
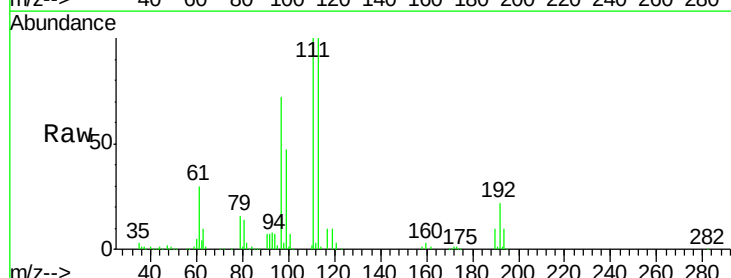
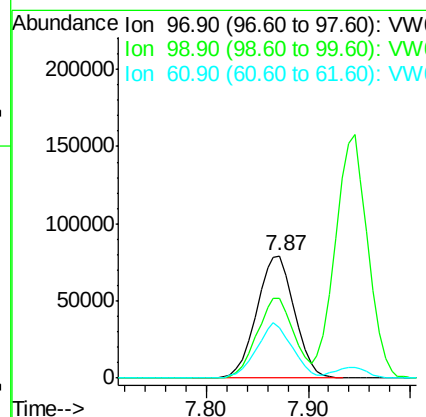
RT: 7.87 min Scan# 979

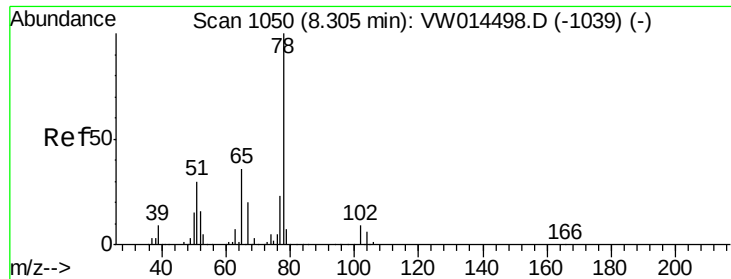
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	97	Resp:	203156
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.8	77.6
61	42.9	33.8	50.8





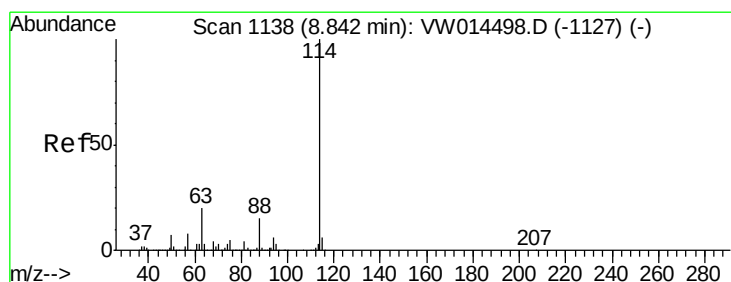
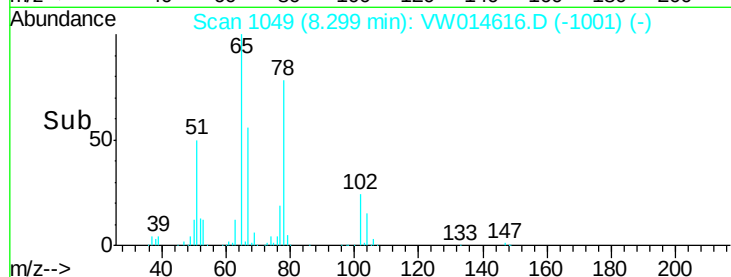
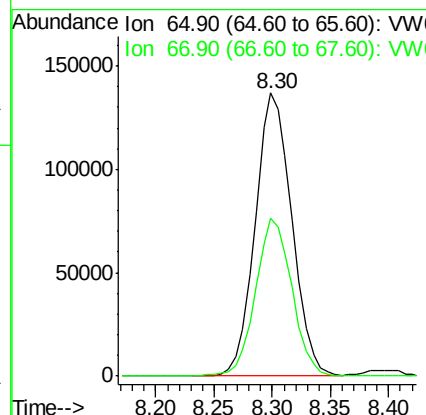
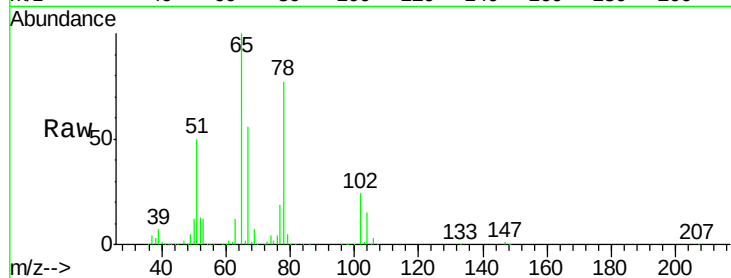
#33
 1,2-Dichloroethane-d4
 Concen: 50.574 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113BSD01

Tot Ion: 65 Resp: 300268
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 108.4

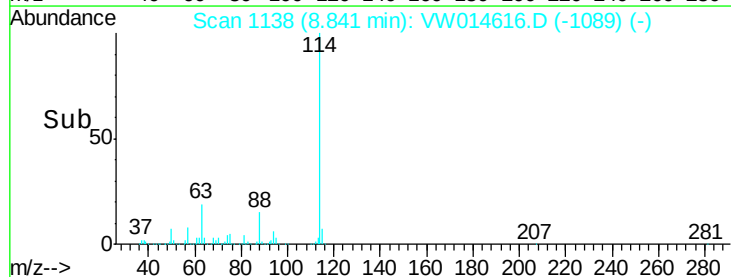
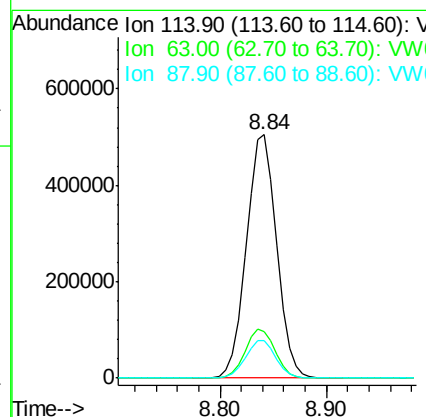
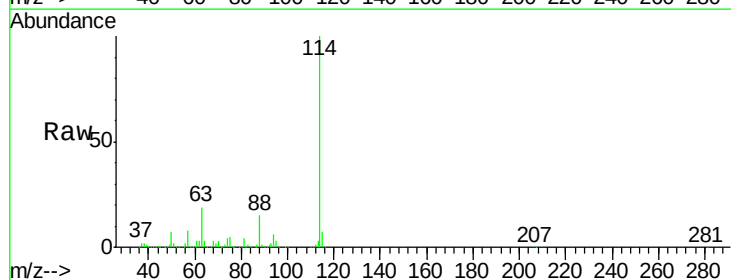
Manual Integrations
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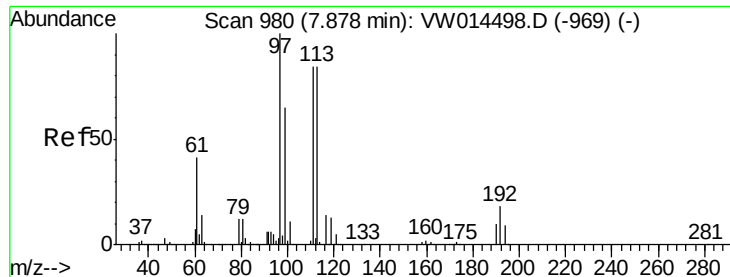
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion: 114 Resp: 1006199
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.4
 88 15.3 0.0 30.6





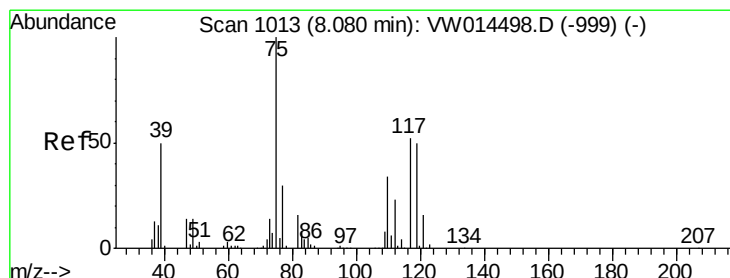
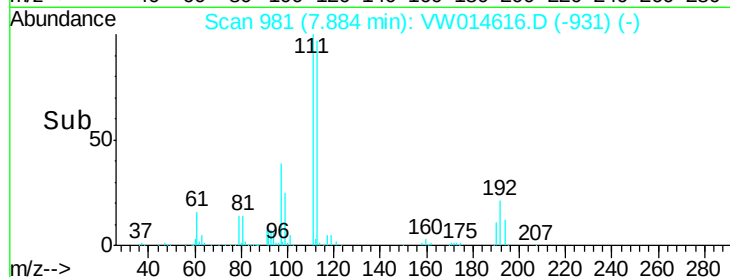
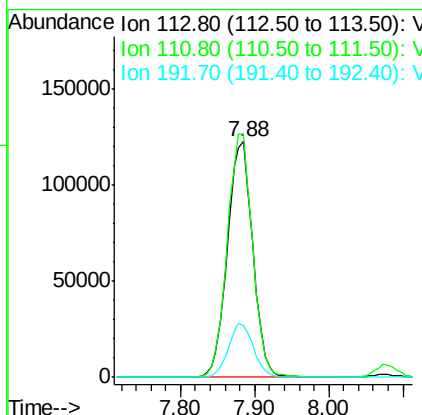
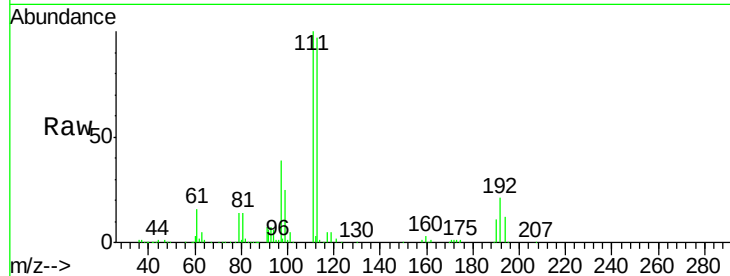
#35
 Dibromofluoromethane
 Concen: 50.952 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113BSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	22.6	17.8	26.8

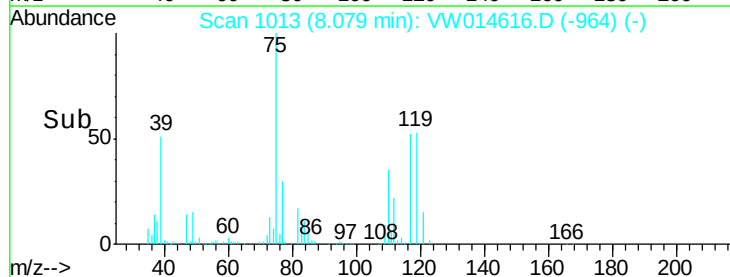
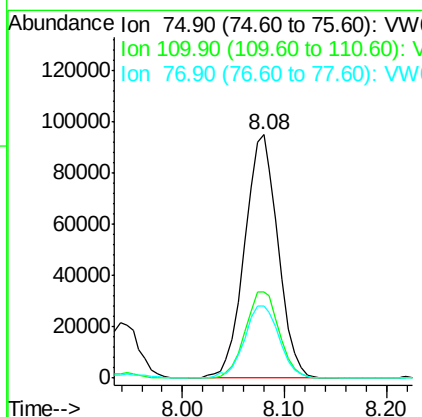
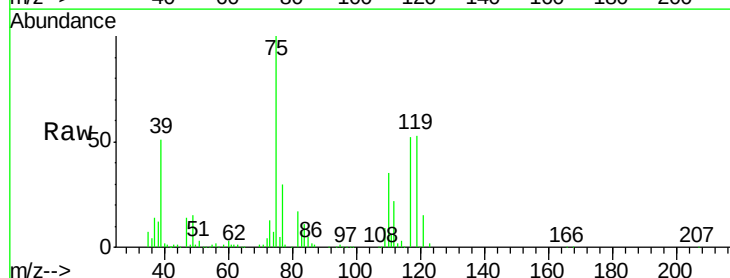
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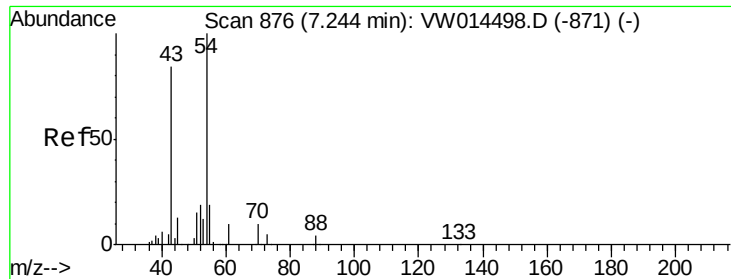
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#36
 1,1-Dichloropropene
 Concen: 22.180 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.8	53.5
77	31.4	24.7	37.1





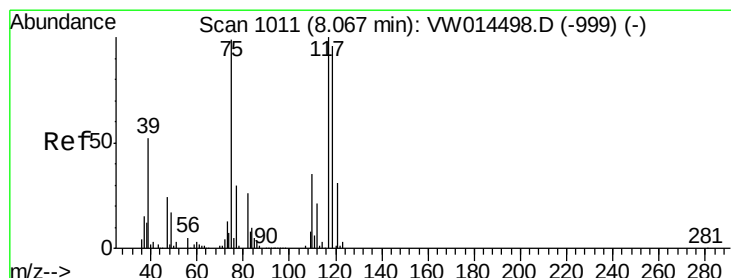
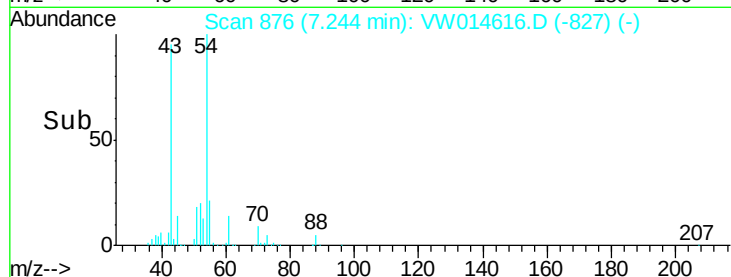
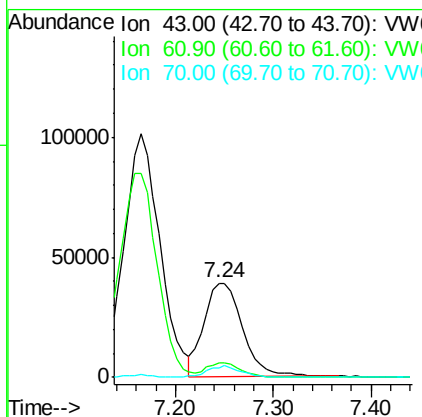
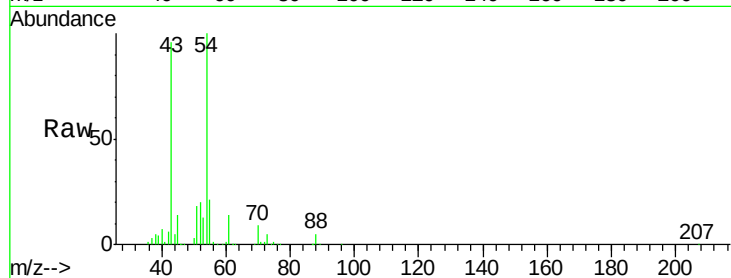
#37
Ethyl Acetate
Concen: 24.134 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.0	9.0	13.6

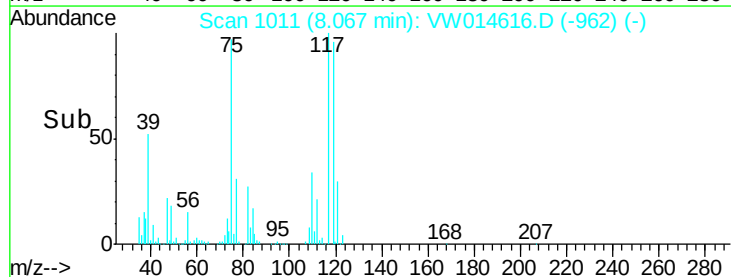
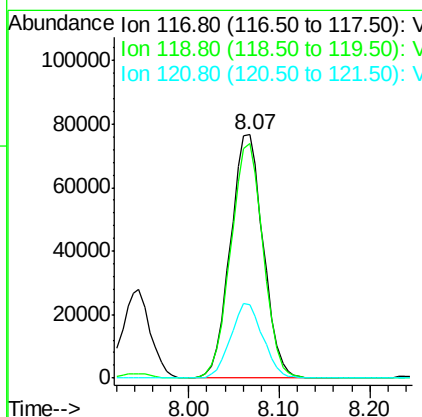
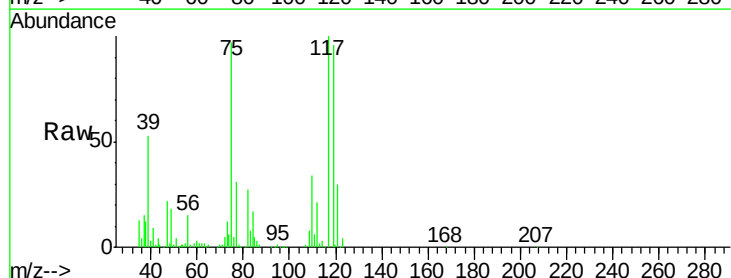
Manual Integrations
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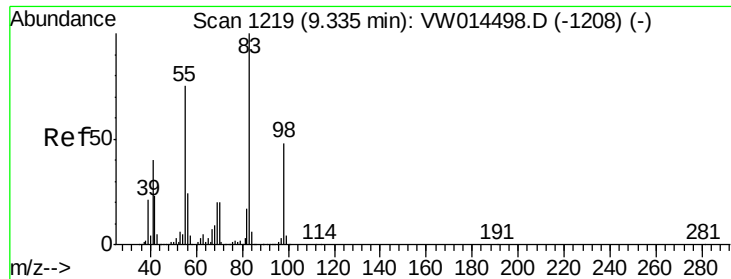
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#38
Carbon Tetrachloride
Concen: 22.805 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.0	115.6
121	30.4	24.6	36.8





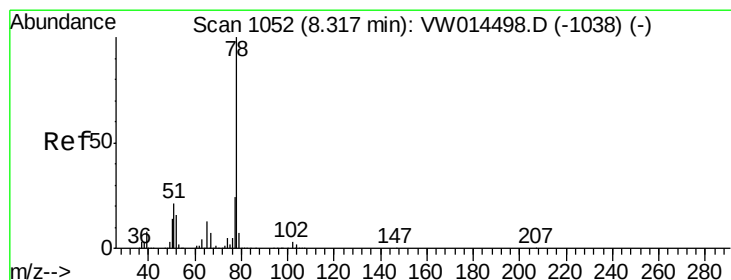
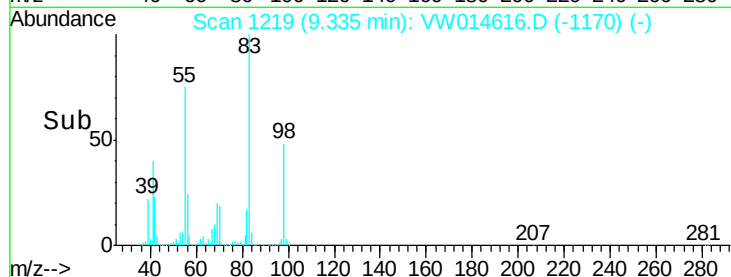
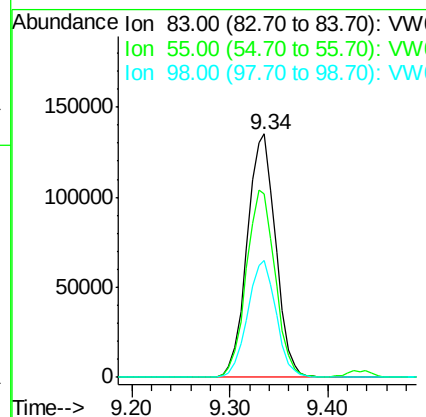
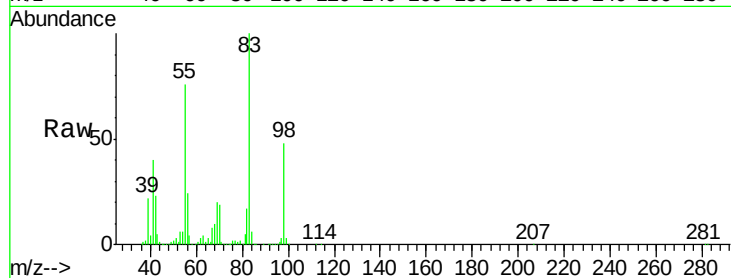
#39
Methylvlcyclohexane
Concen: 21.940 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	60.1	90.1
98	48.0	38.8	58.2

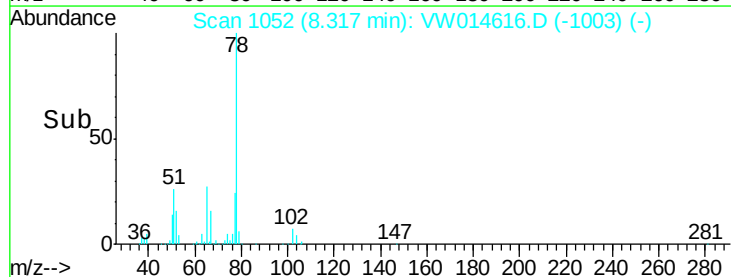
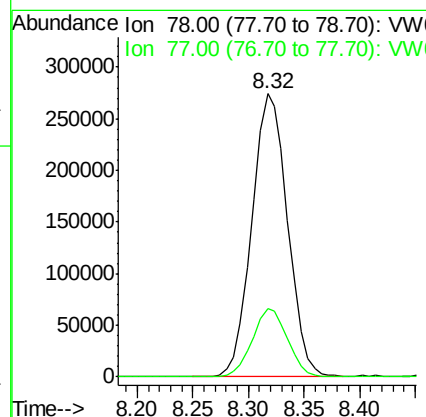
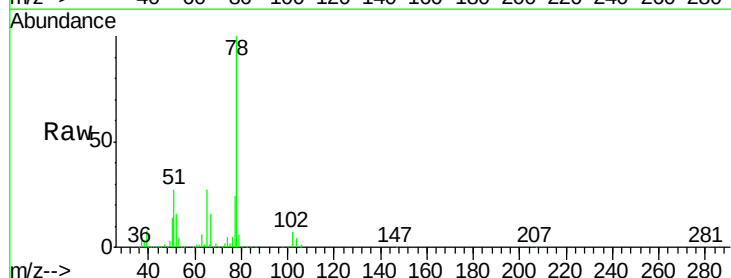
Manual Integrations
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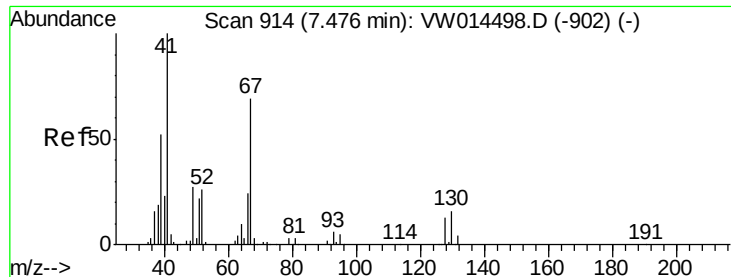
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#40
Benzene
Concen: 22.302 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





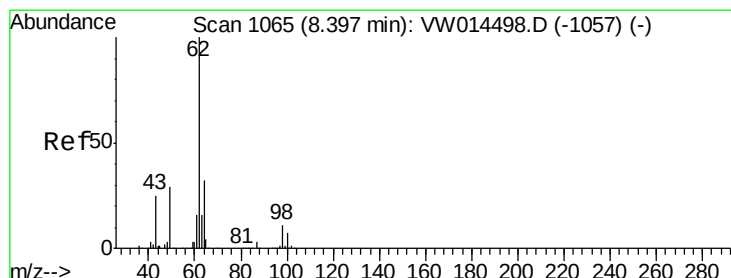
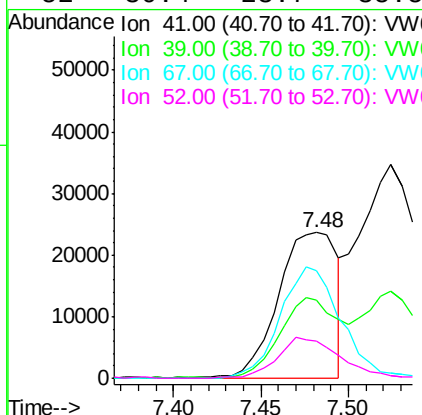
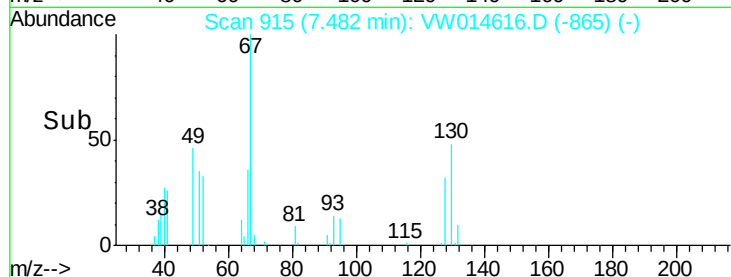
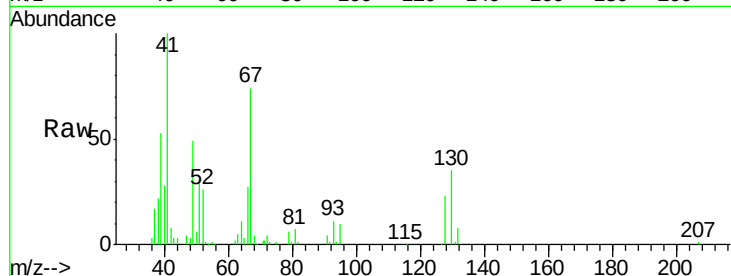
#41
Methacrylonitrile
Concen: 22.532 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion:	41	Resp:	55256
Ion	Ratio	Lower	Upper
41	100		
39	57.1	46.0	69.0
67	80.3	60.8	91.2
52	30.4	23.7	35.5

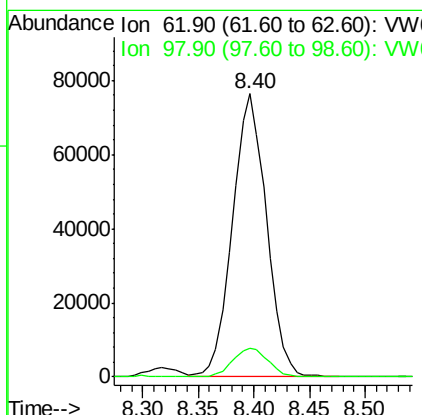
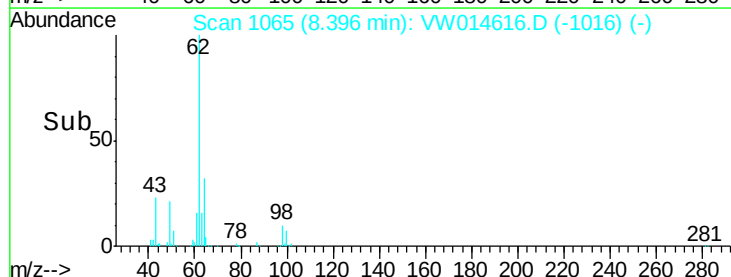
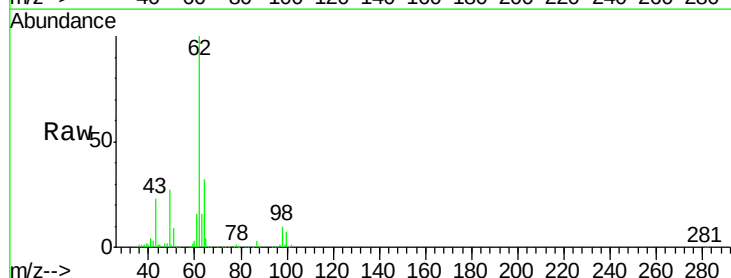
Manual Integrations
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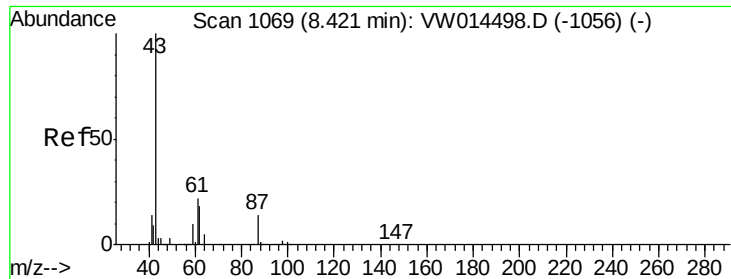
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#42
1,2-Dichloroethane
Concen: 22.625 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion:	62	Resp:	161145
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	22.0





#43

Isopropyl Acetate

Concen: 23.231 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

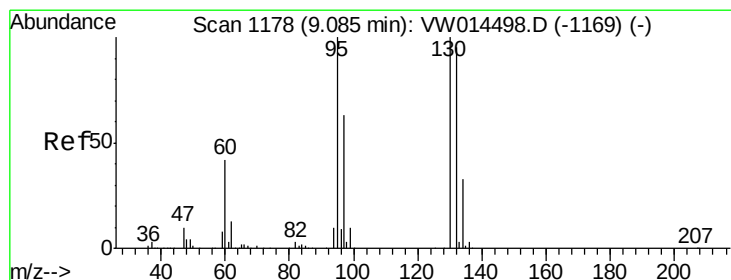
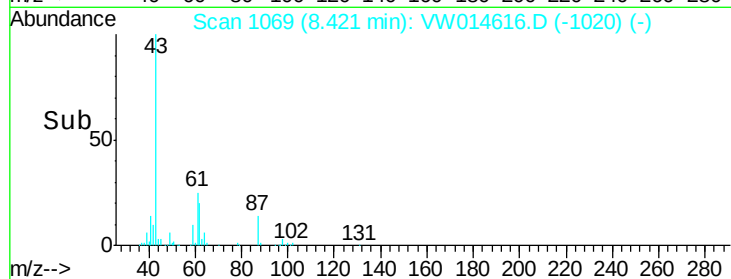
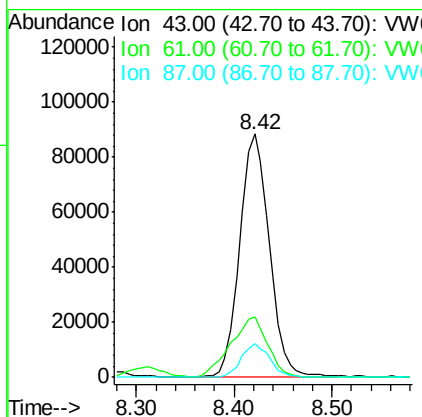
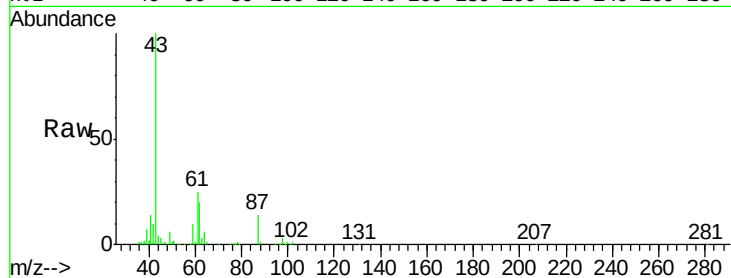
ClientSampleId :

VW0113SBSD01

Tot Ion:	43	Resp:	185590
Ion	Ratio	Lower	Upper
43	100		
61	31.0	24.7	37.1
87	13.5	11.1	16.7

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#44

Trichloroethene

Concen: 22.038 ug/l

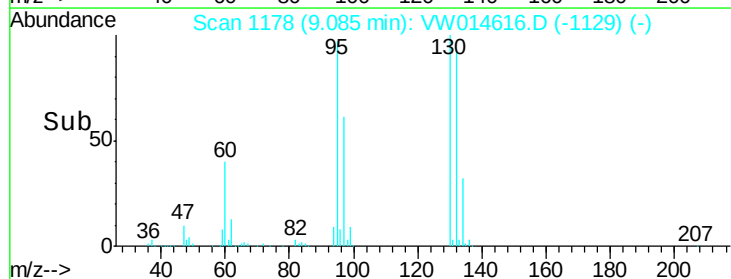
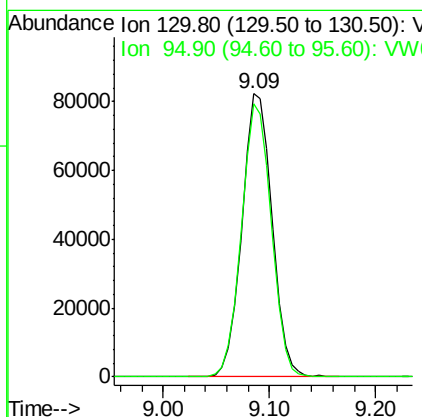
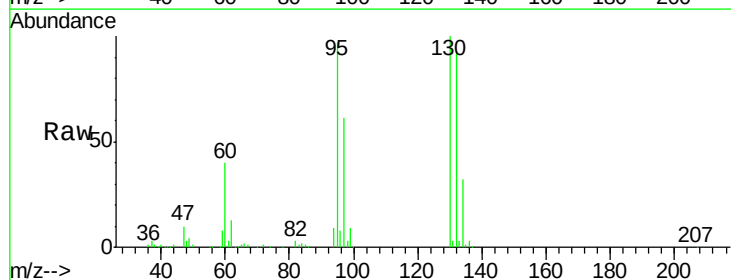
RT: 9.09 min Scan# 1178

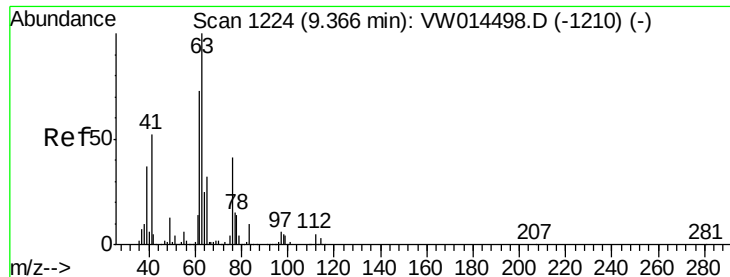
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	130	Resp:	163663
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	199.4





#45

1,2-Dichloropropane

Concen: 22.228 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

Tot Ion: 63 Resp: 149702

Ion Ratio Lower Upper

63 100

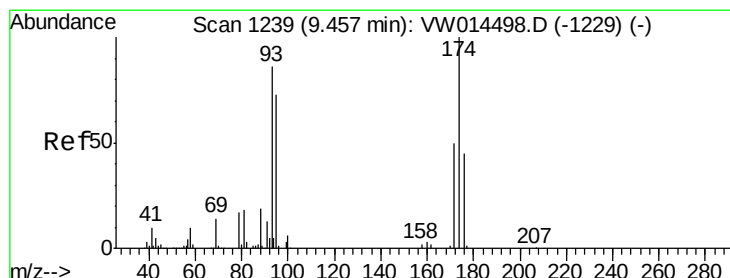
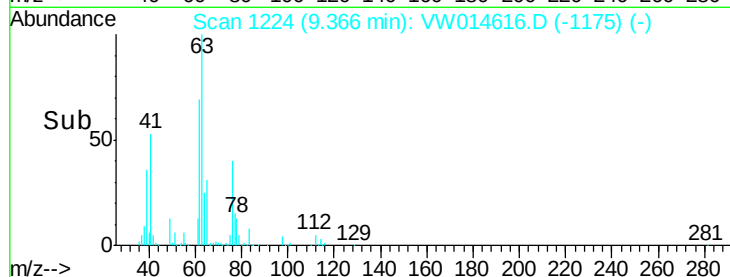
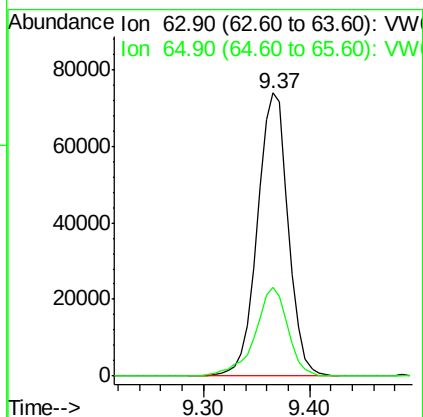
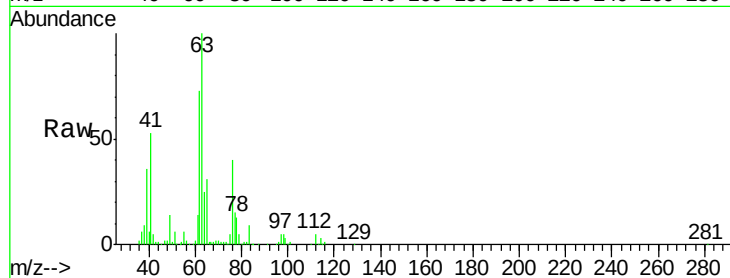
65 31.4 25.6 38.4

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#46

Dibromomethane

Concen: 22.803 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

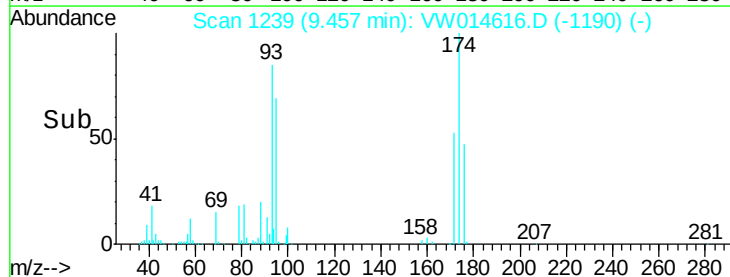
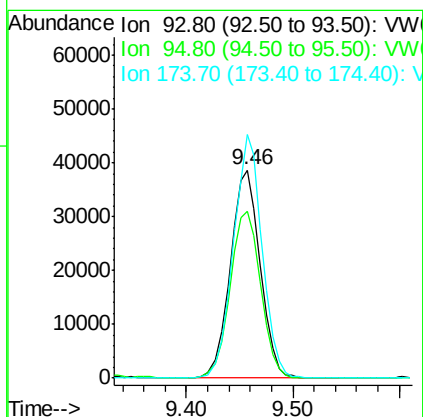
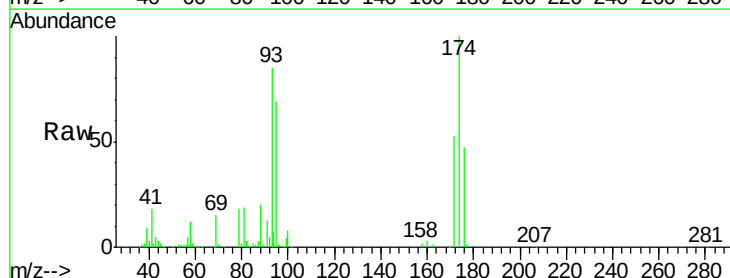
Tgt Ion: 93 Resp: 75816

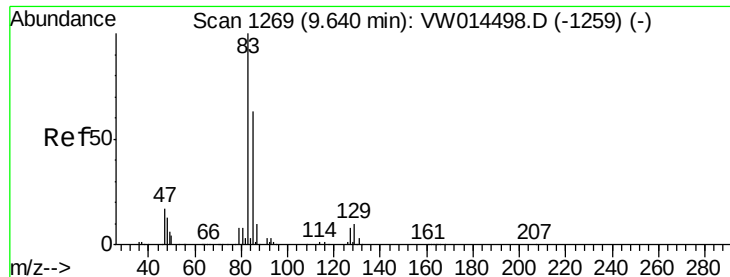
Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

174 112.6 89.1 133.7





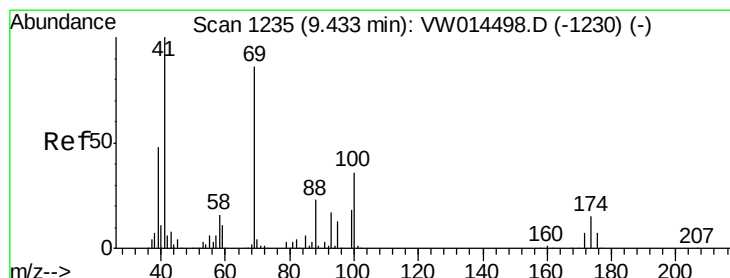
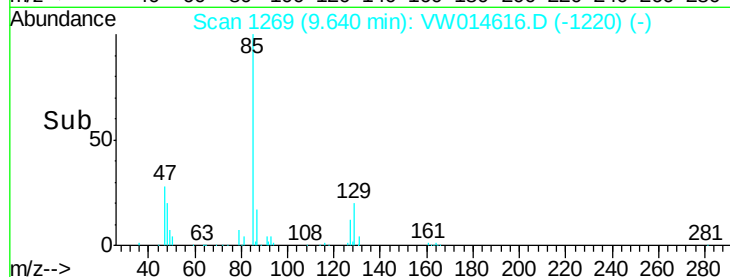
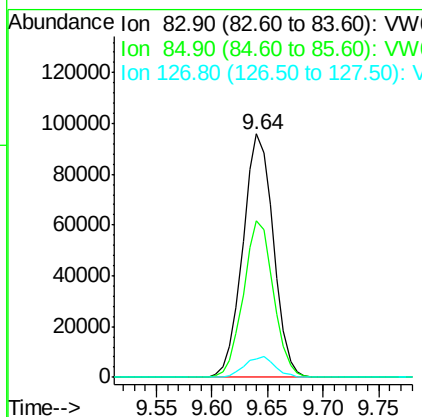
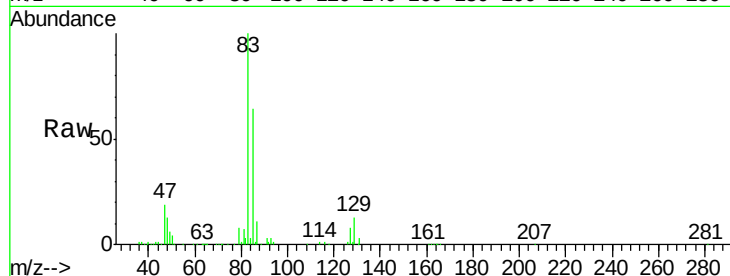
#47
Bromodichloromethane
Concen: 22.303 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	76.0
127	7.8	6.6	9.8

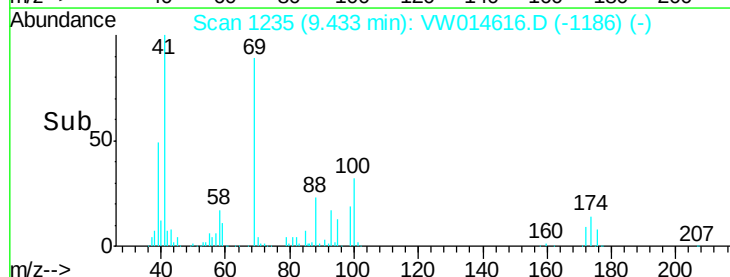
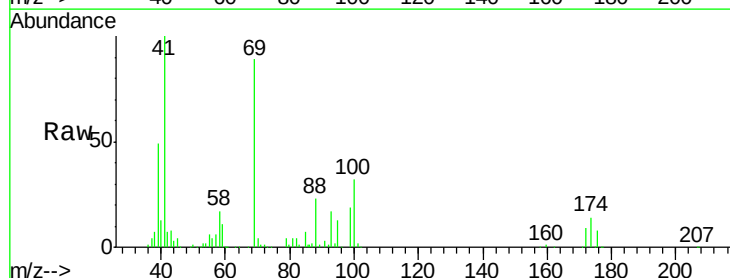
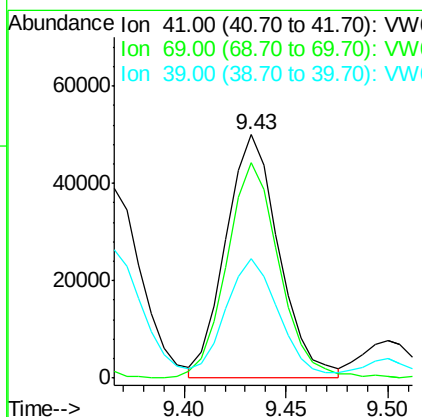
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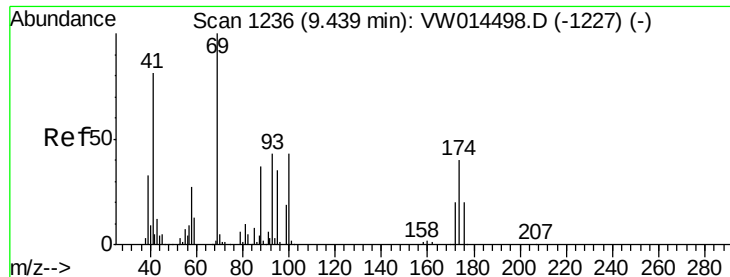
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#48
Methyl methacrylate
Concen: 23.129 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.7	68.3	102.5
39	44.5	36.8	55.2





#49

1,4-Dioxane

Concen: 498.096 ug/l

RT: 9.44 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

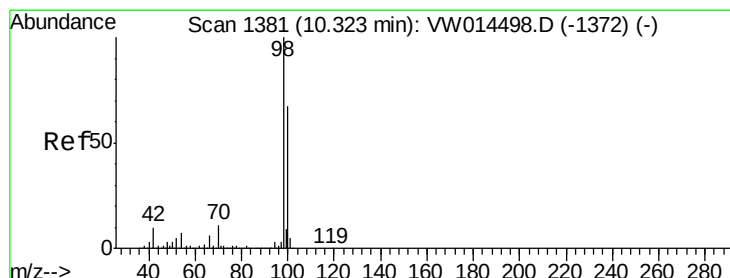
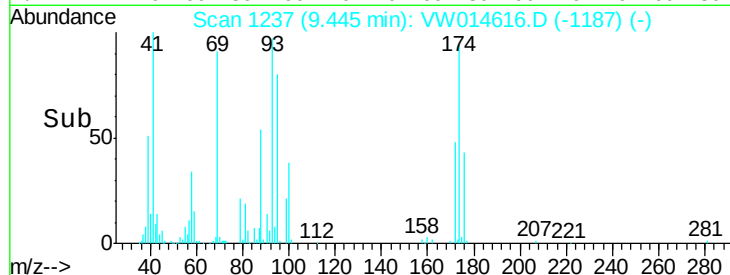
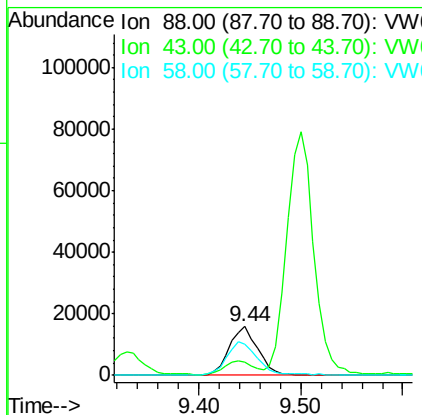
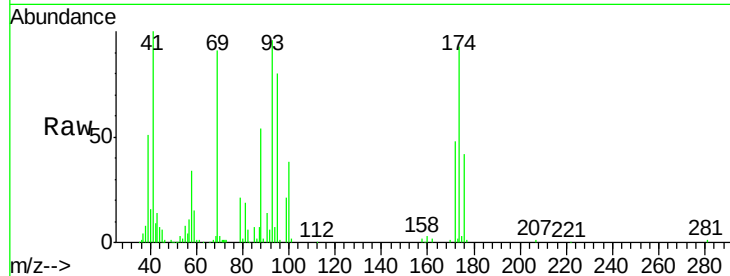
ClientSampleId :

VW0113BSD01

Tot Ion:	88	Resp:	30974
Ion	Ratio	Lower	Upper
88	100		
43	28.6	24.9	37.3
58	73.9	56.9	85.3

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#50

Toluene-d8

Concen: 49.910 ug/l

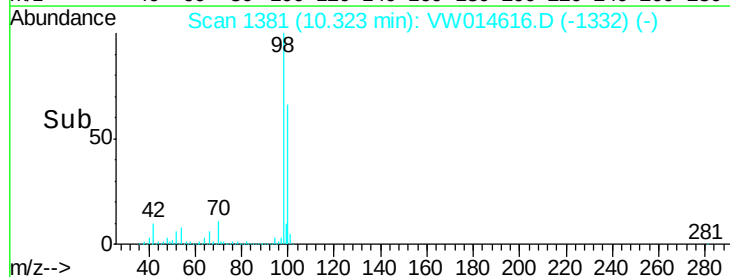
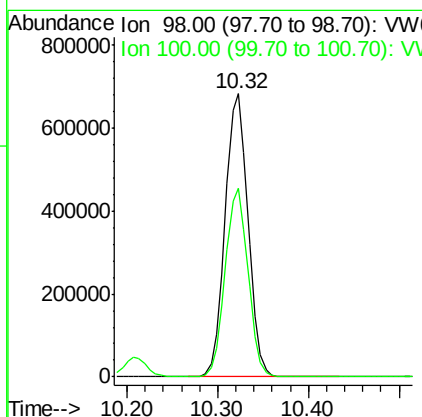
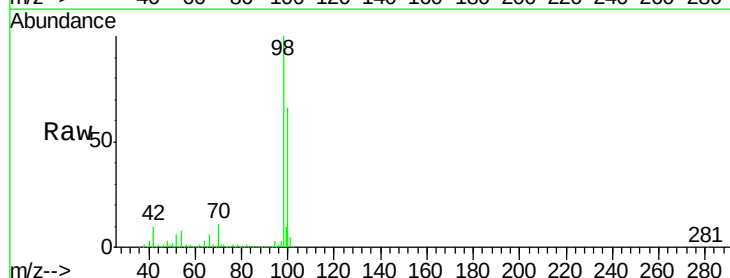
RT: 10.32 min Scan# 1381

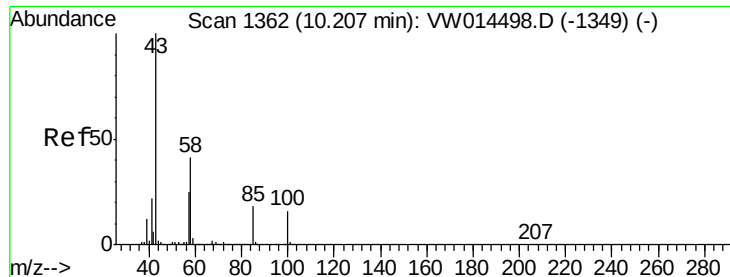
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	98	Resp:	1197783
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.8	80.6





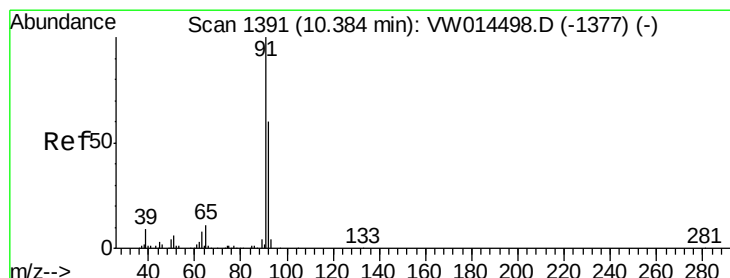
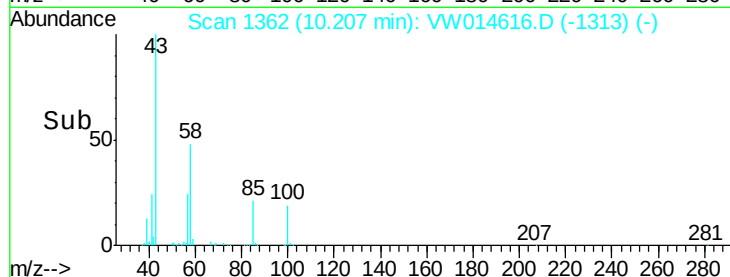
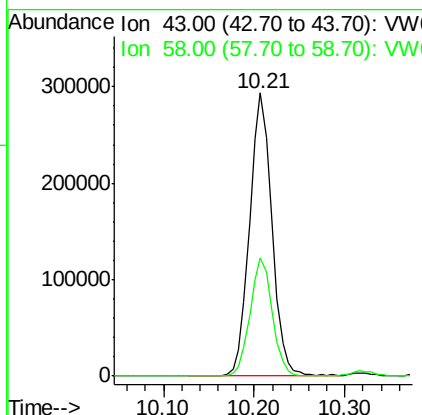
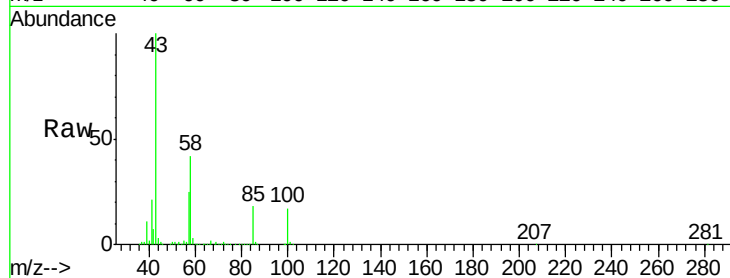
#51
4-Methyl-2-Pentanone
Concen: 120.753 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion	43	Resp	500952
Ion Ratio	100	Lower	Upper
43	100		
58	41.4	32.7	49.1

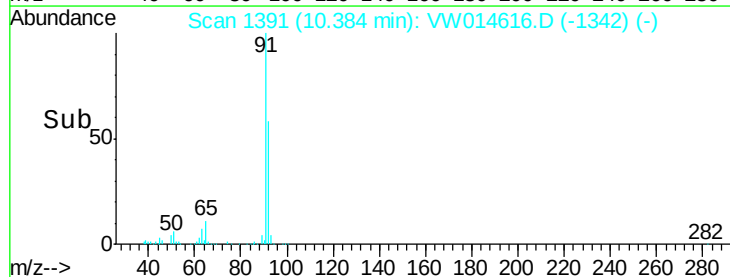
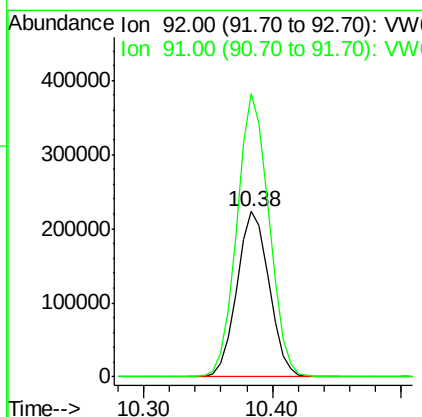
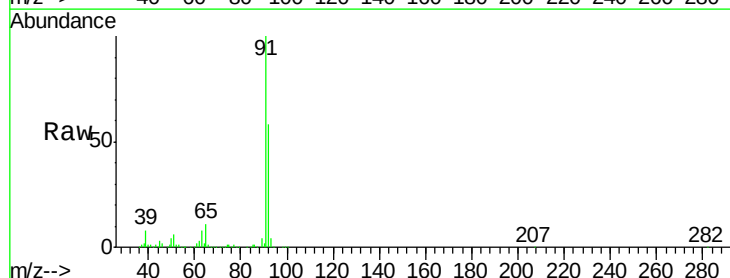
Manual Integrations
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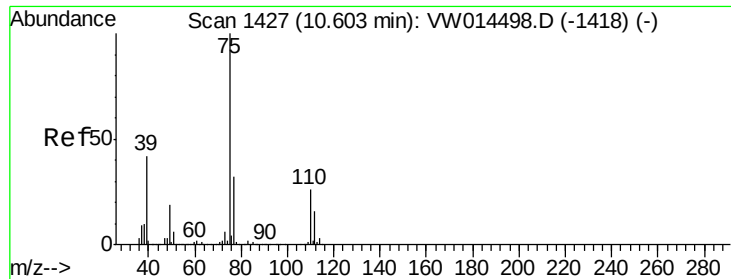
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#52
Toluene
Concen: 22.381 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	92	Resp	386440
Ion Ratio	100	Lower	Upper
92	100		
91	170.0	134.1	201.1





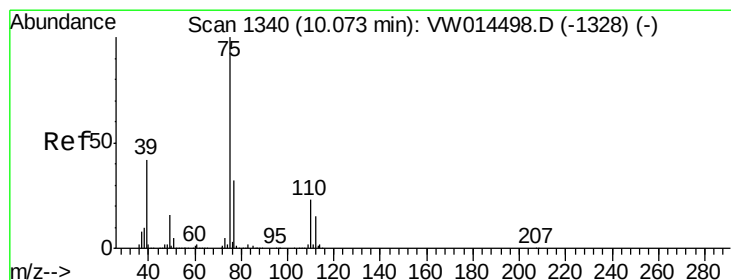
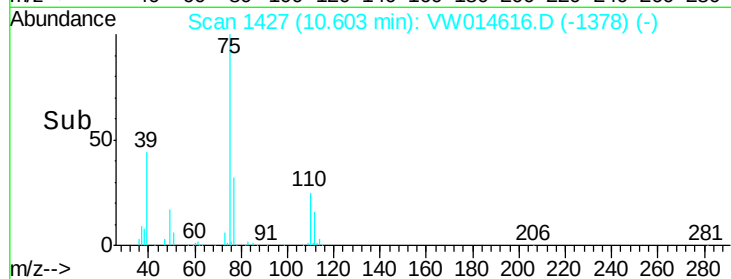
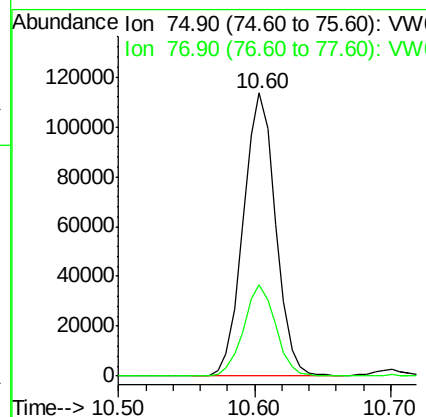
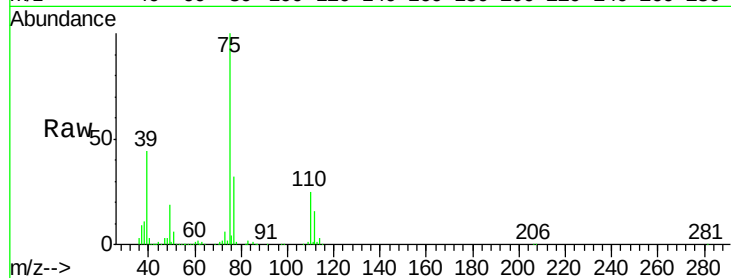
#53
t-1,3-Dichloropropene
Concen: 22.233 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.4	38.2

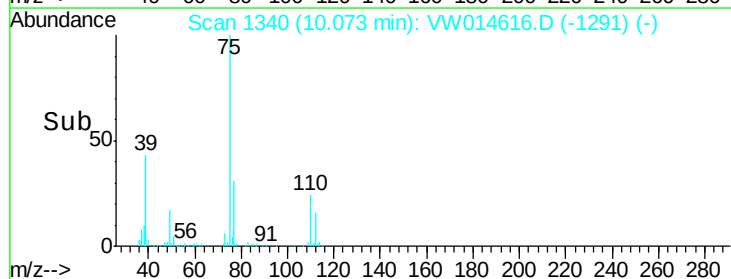
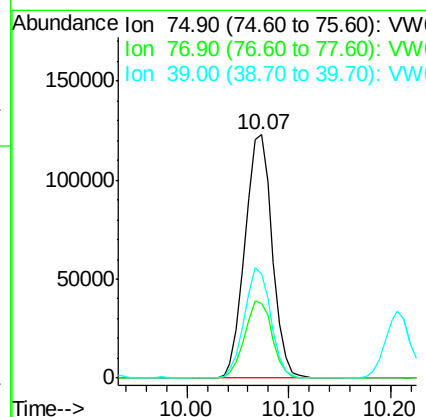
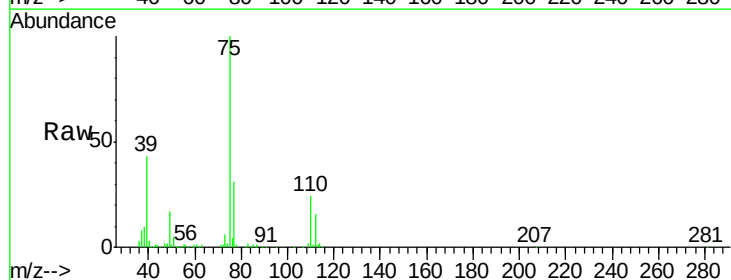
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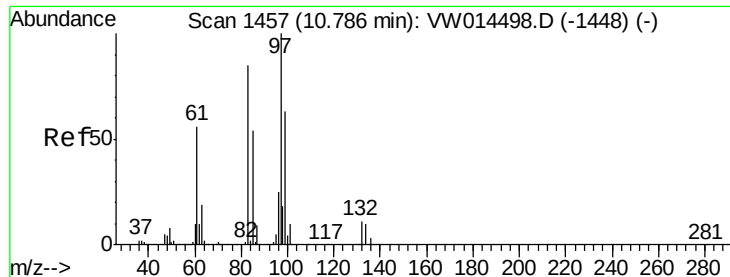
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#54
cis-1,3-Dichloropropene
Concen: 21.975 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	42.8	33.4	50.2





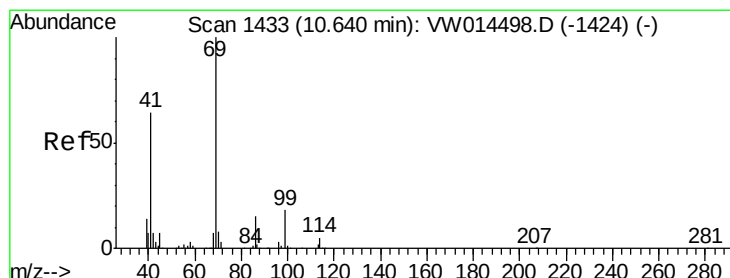
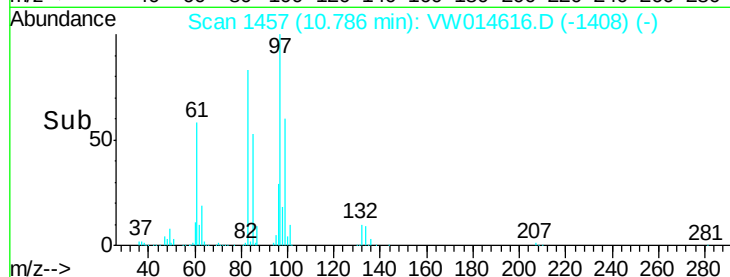
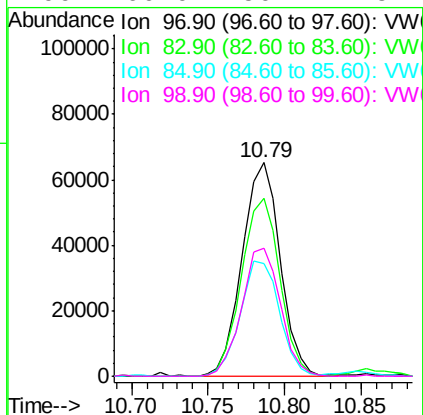
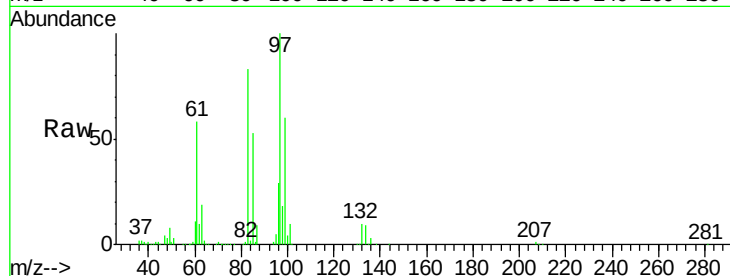
#55
 1,1,2-Trichloroethane
 Concen: 23.167 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		112493		
83	83.4	68.2	102.4		
85	52.8	43.0	64.4		
99	60.0	50.1	75.1		

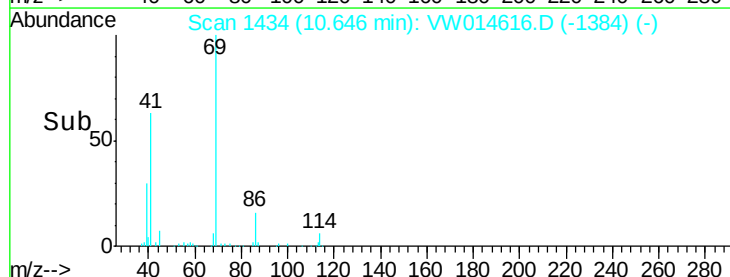
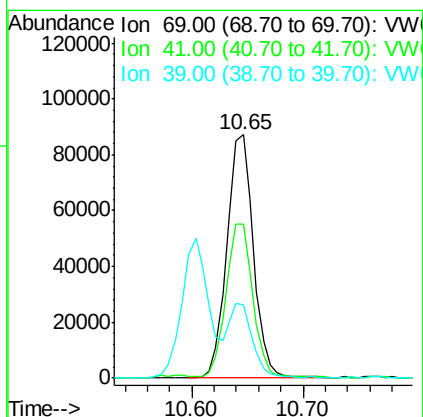
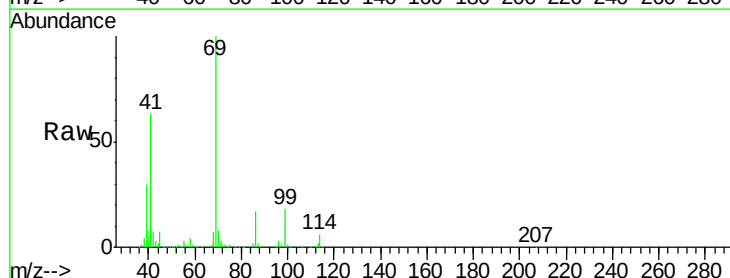
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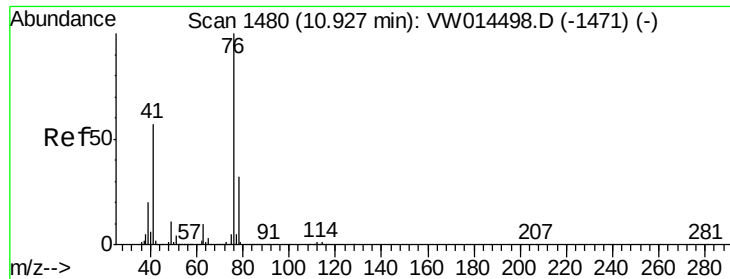
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#56
 Ethyl methacrylate
 Concen: 22.824 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		144029		
41	63.5	51.3	76.9		
39	26.6	21.0	31.6		





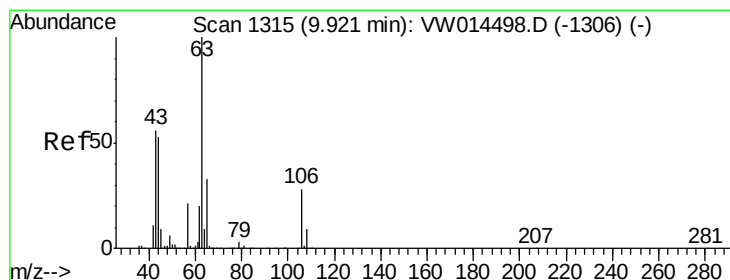
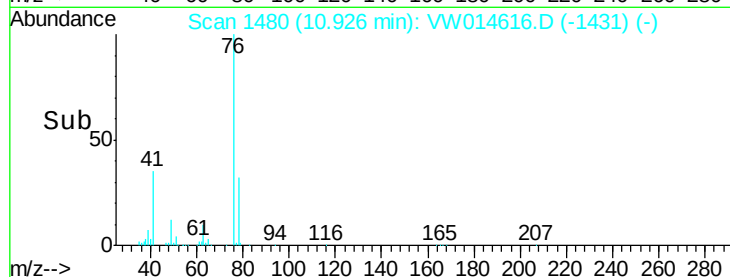
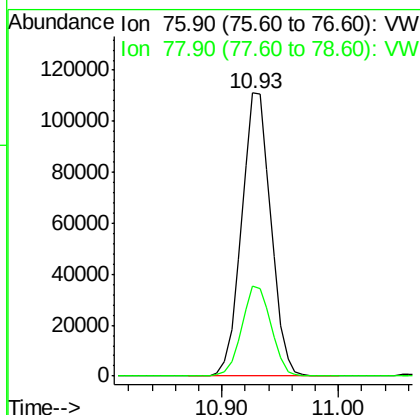
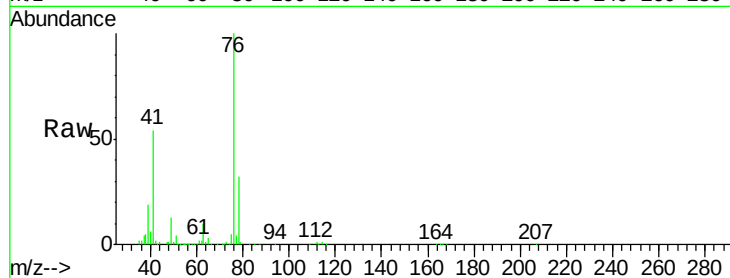
#57
 1,3-Dichloropropane
 Concen: 22.912 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113BSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.9	38.9

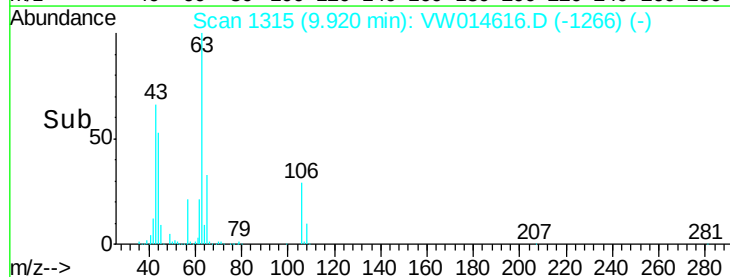
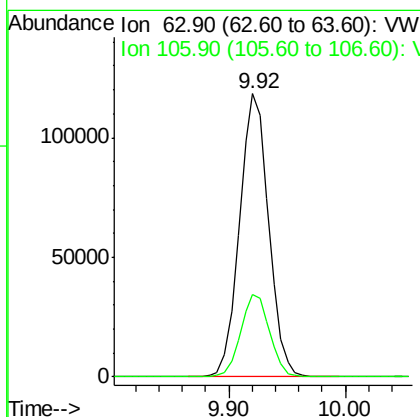
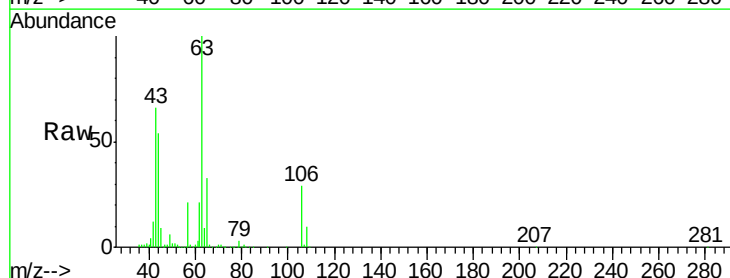
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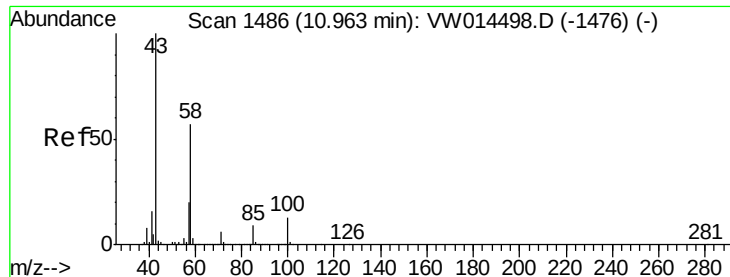
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.415 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	23.0	34.6





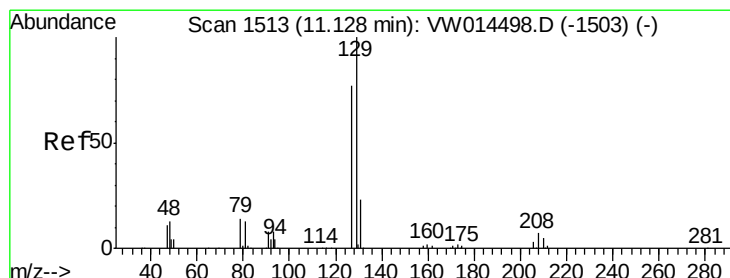
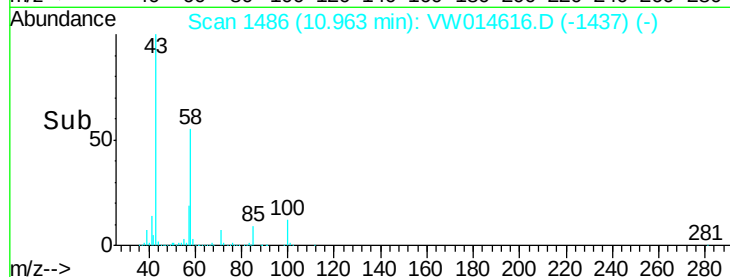
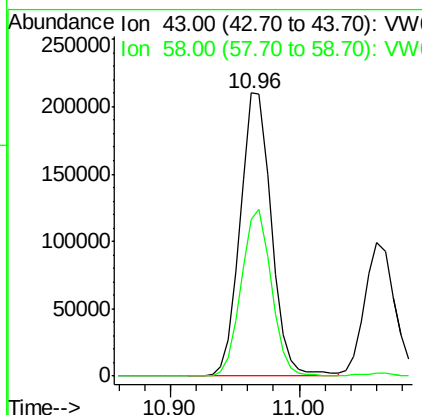
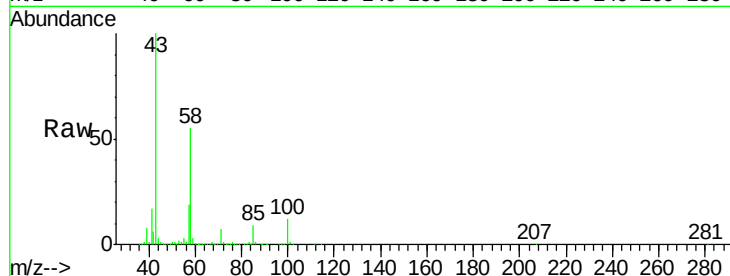
#59
2-Hexanone
Concen: 123.536 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion: 43 Resp: 353157
Ion Ratio Lower Upper
43 100
58 56.7 28.7 86.3

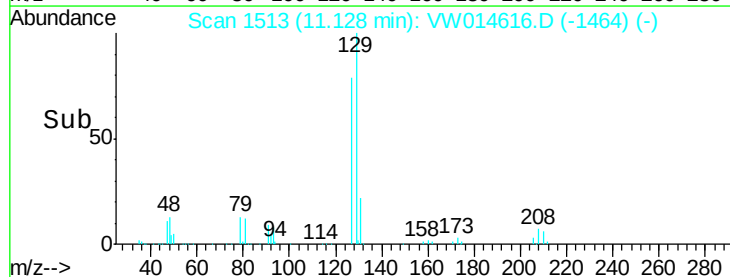
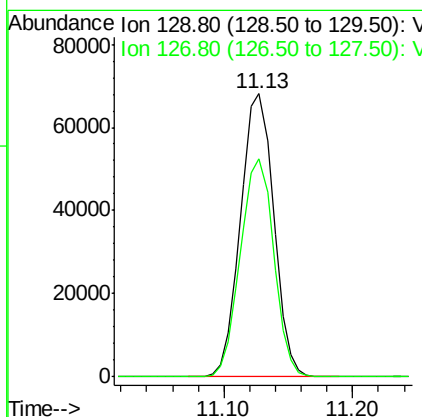
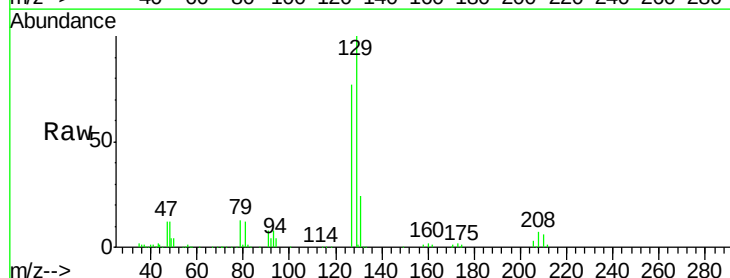
Manual Integrations
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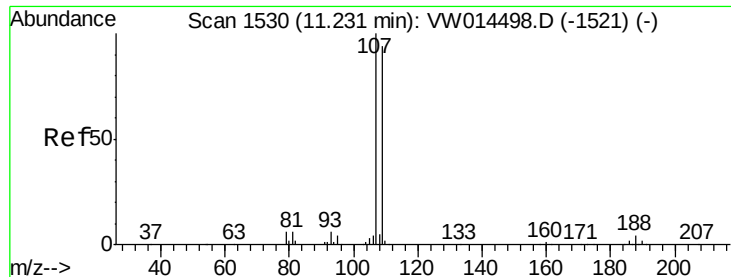
apatel
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#60
Dibromochloromethane
Concen: 22.271 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion: 129 Resp: 122017
Ion Ratio Lower Upper
129 100
127 77.4 38.1 114.5





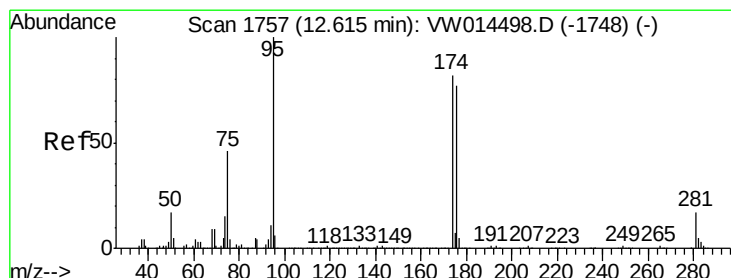
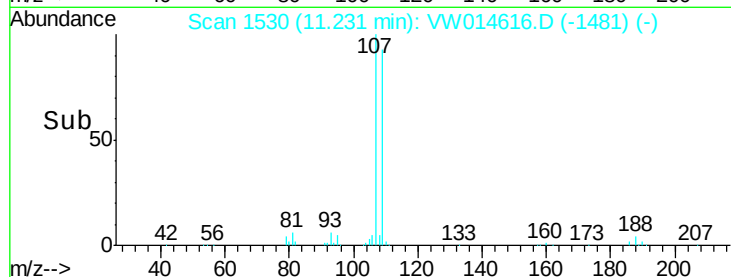
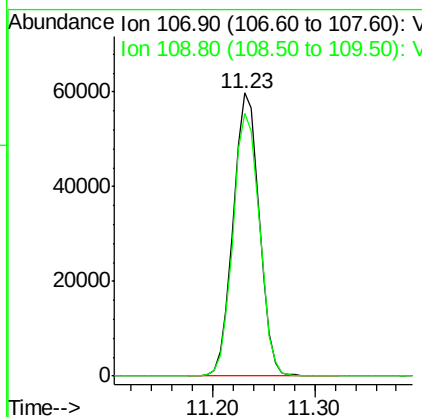
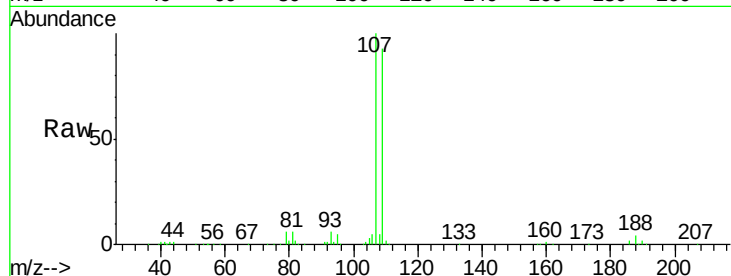
#61
 1,2-Dibromoethane
 Concen: 22.805 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.1	112.7

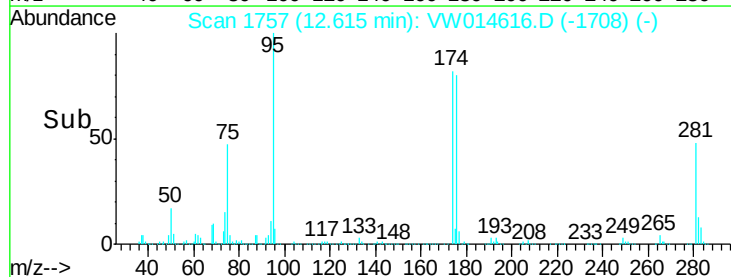
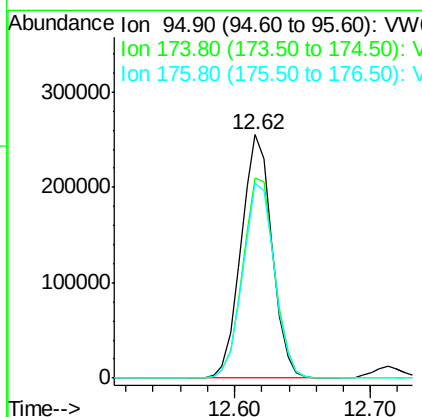
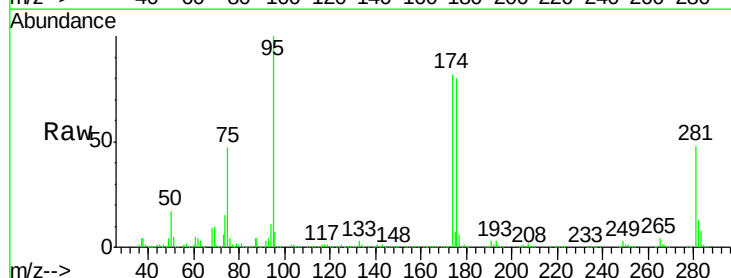
Manual Integrations
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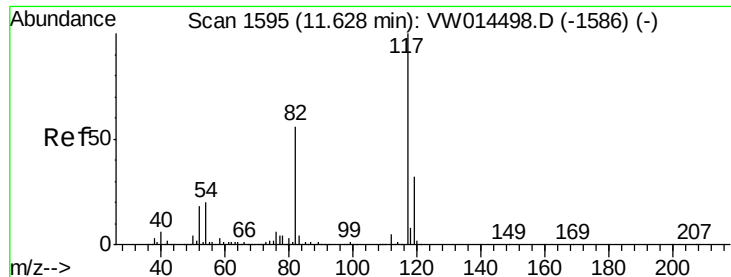
apatel
 1/14/2020 3:06:43 PM



#62
 4-Bromofluorobenzene
 Concen: 49.613 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	168.6
176	82.4	0.0	162.0





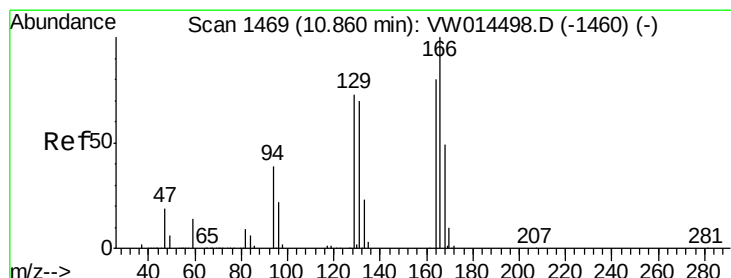
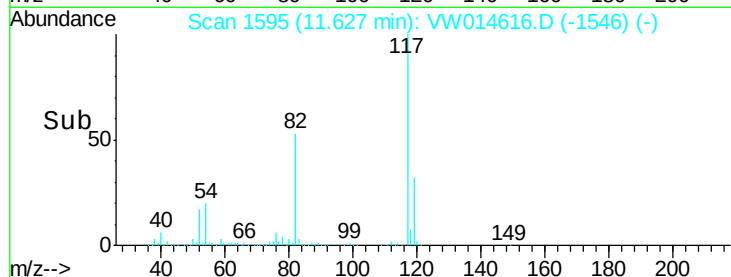
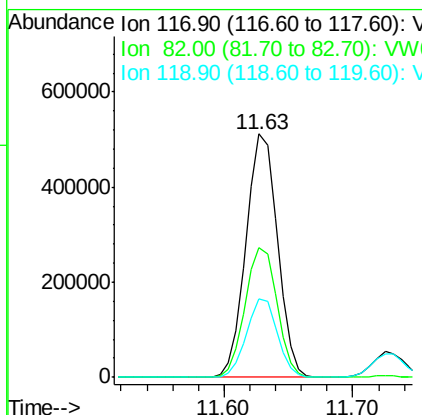
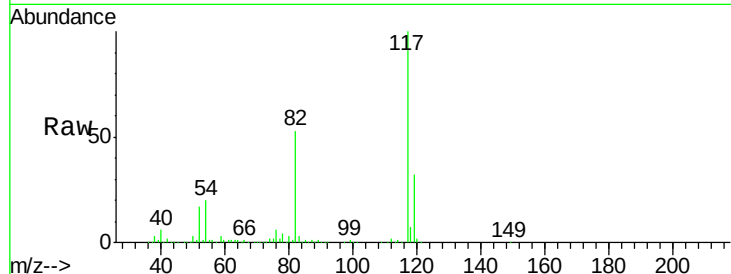
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	865921		
82	53.0		44.6	67.0
119	32.4		25.7	38.5

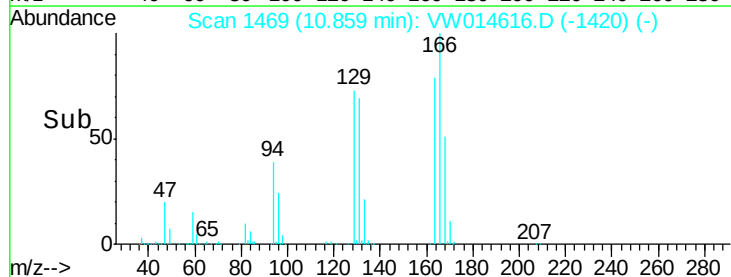
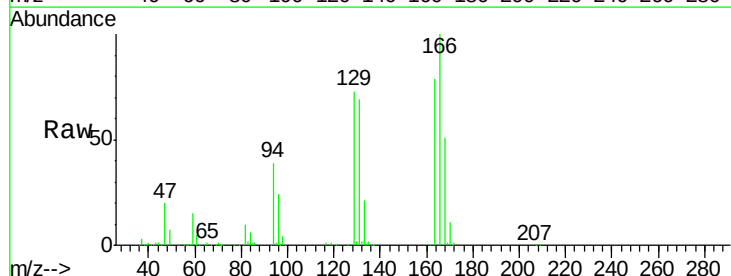
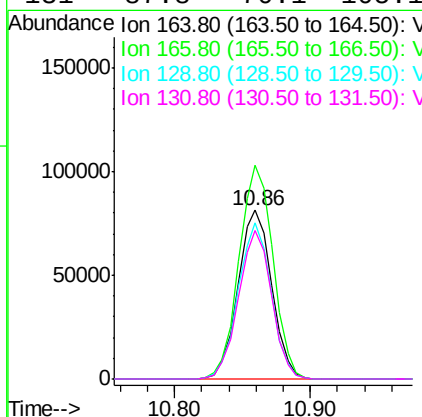
Manual Integrations
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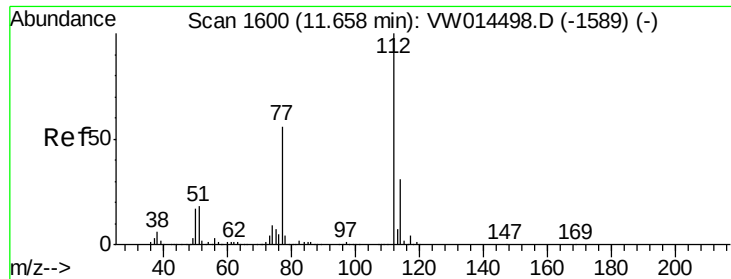
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#64
Tetrachloroethene
Concen: 22.367 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	140215		
166	126.8		99.8	149.6
129	92.5		72.4	108.6
131	87.8		70.1	105.1





#65

Chlorobenzene

Concen: 22.259 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

Tot Ion:112 Resp: 394874

Ion Ratio Lower Upper

112 100

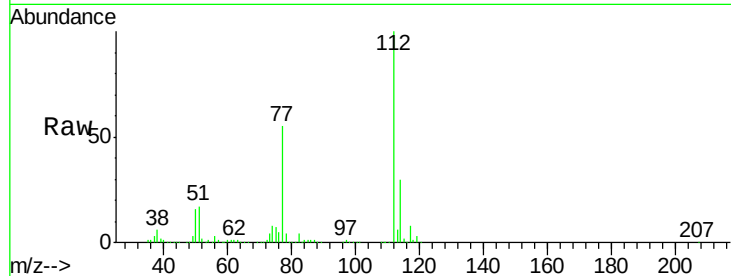
114 30.1 24.6 37.0

Manual Integrations

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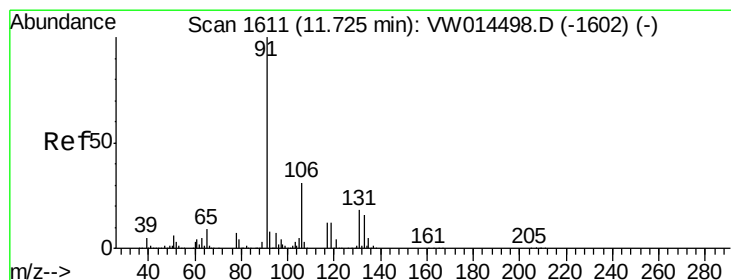
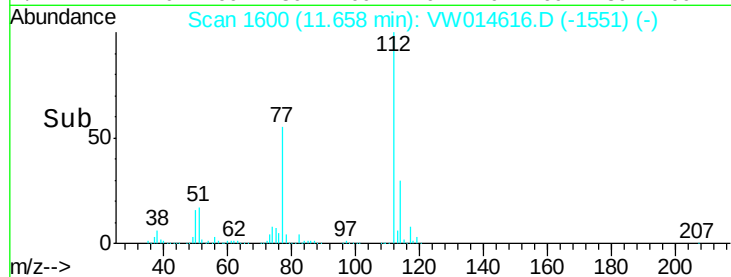
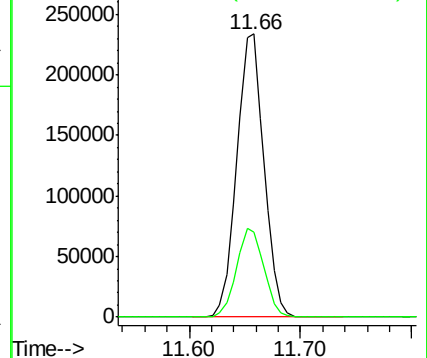
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.177 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

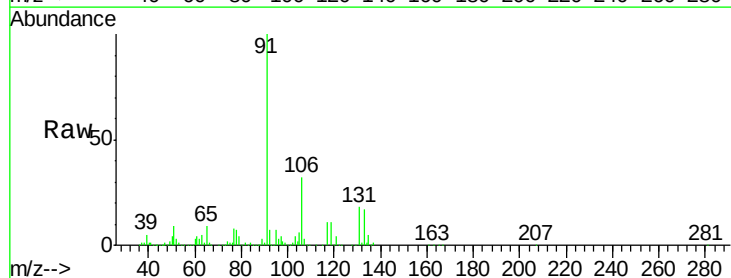
Tgt Ion:131 Resp: 132461

Ion Ratio Lower Upper

131 100

133 96.3 47.3 142.0

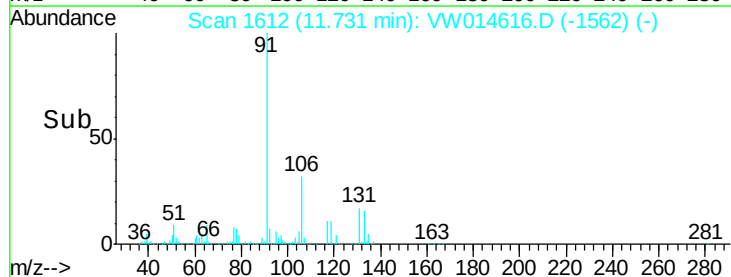
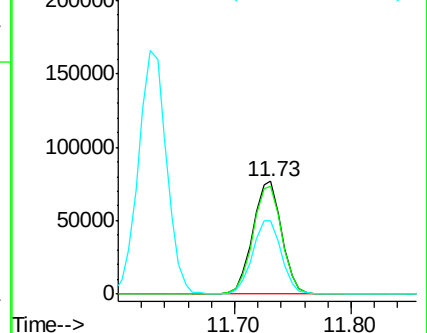
119 65.5 33.1 99.3

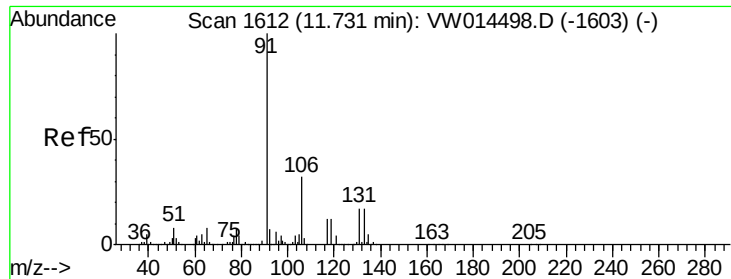


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





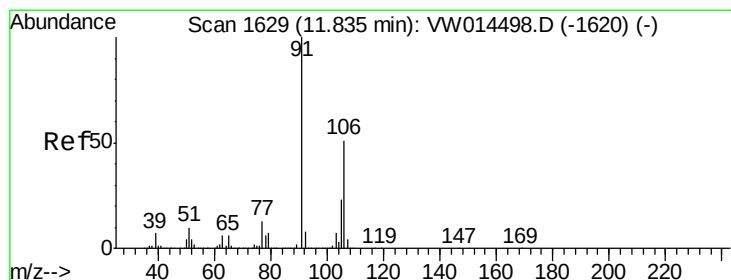
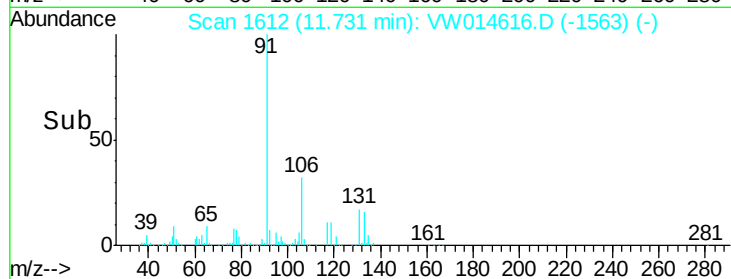
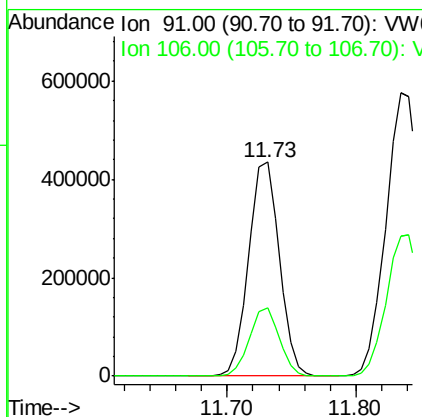
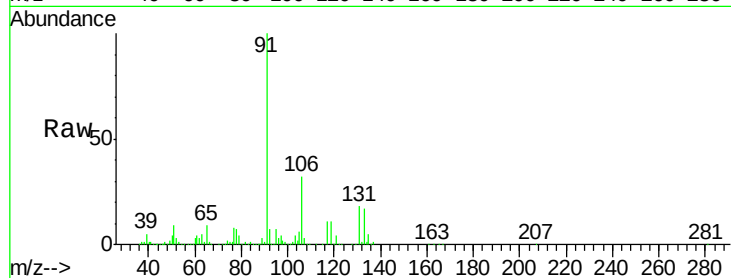
#67
Ethyl Benzene
Concen: 22.288 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.1	25.5	38.3	

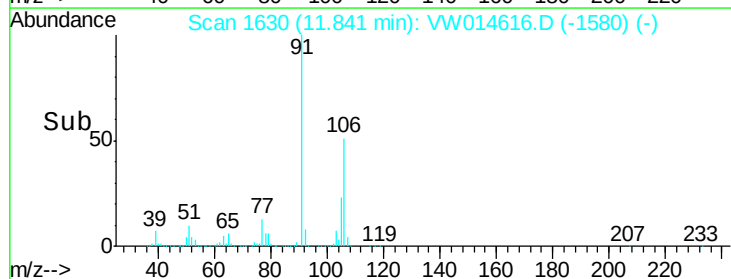
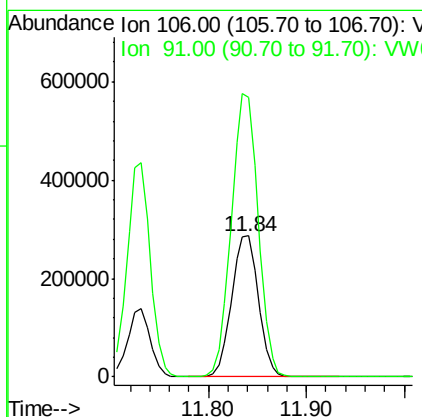
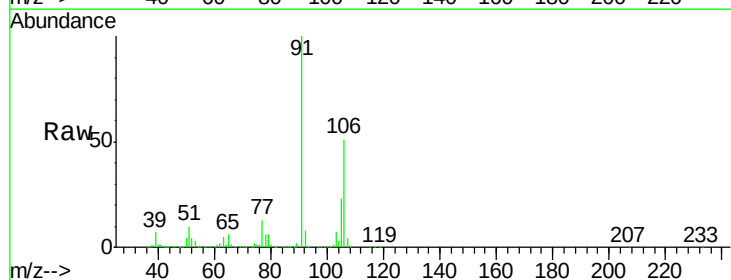
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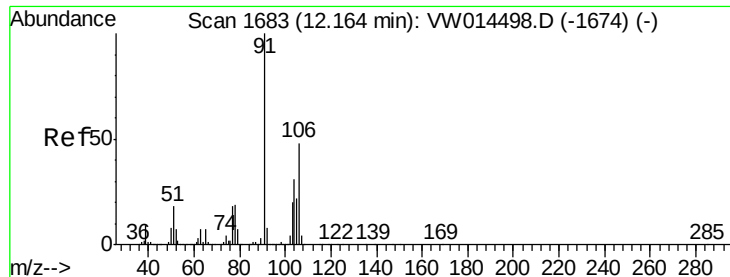
apatel
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#68
m/p-Xylenes
Concen: 44.562 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.0	159.0	238.6	





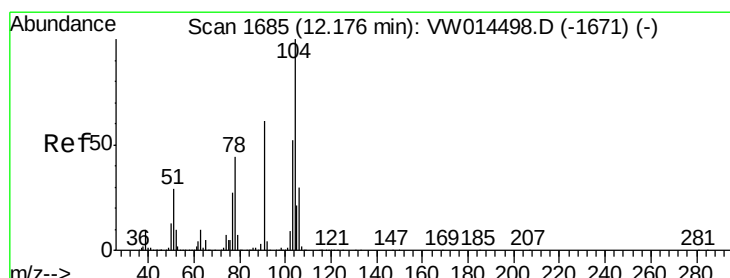
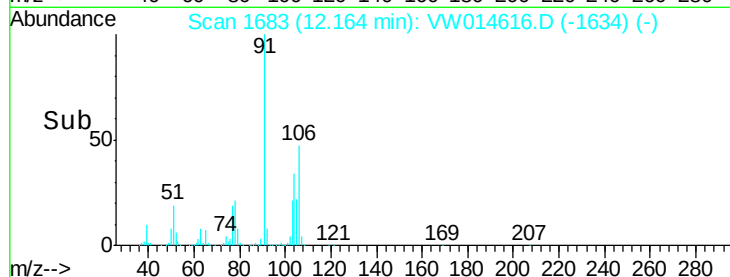
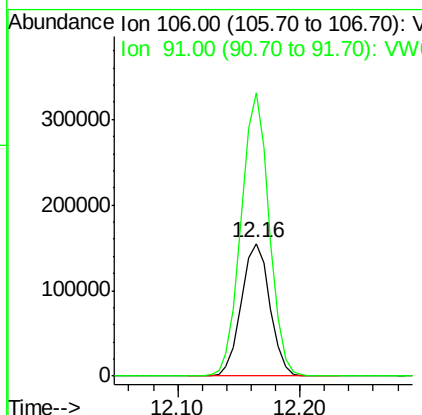
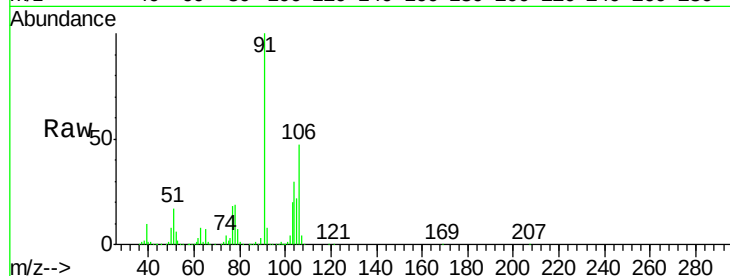
#69
o-Xylene
Concen: 22.187 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampled :
VW0113SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
250771	106	100		
	91	209.0	105.2	315.6

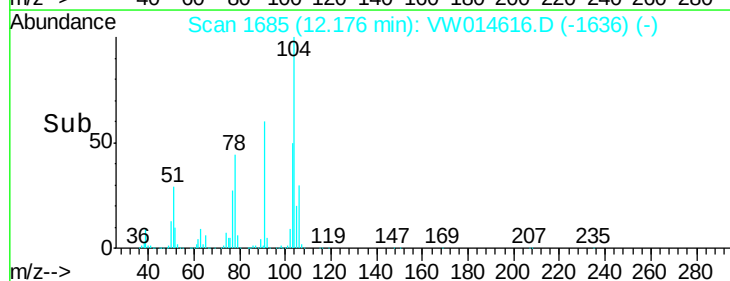
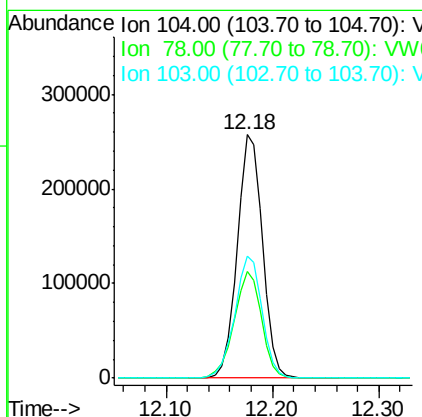
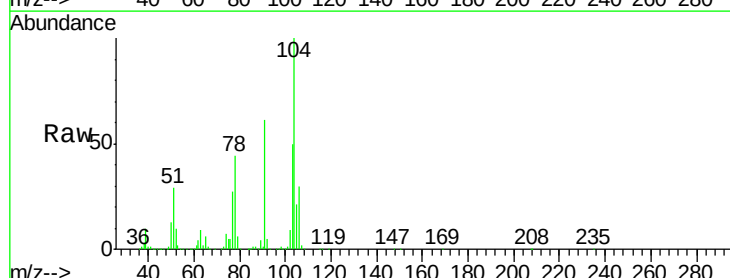
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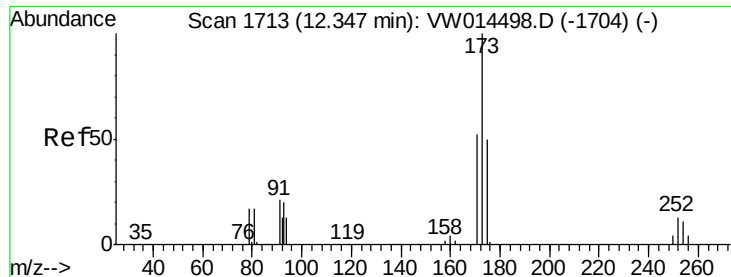
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#70
Styrene
Concen: 22.487 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ion	Ratio	Lower	Upper
429882	104	100		
	78	47.2	38.4	57.6
	103	54.0	43.7	65.5





#71

Bromoform

Concen: 23.337 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

Tot Ion:173 Resp: 76032

Ion Ratio Lower Upper

173 100

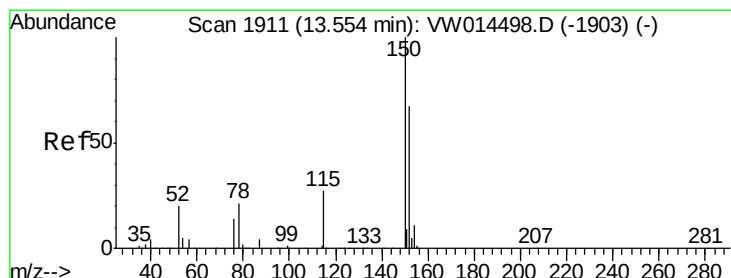
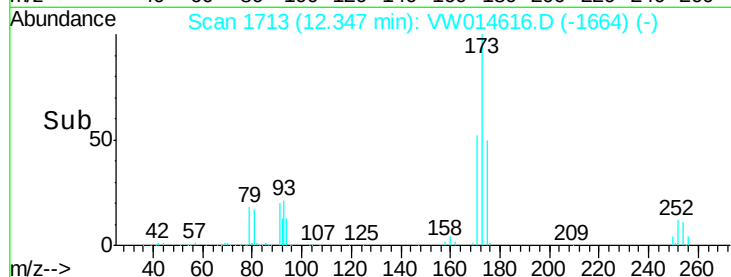
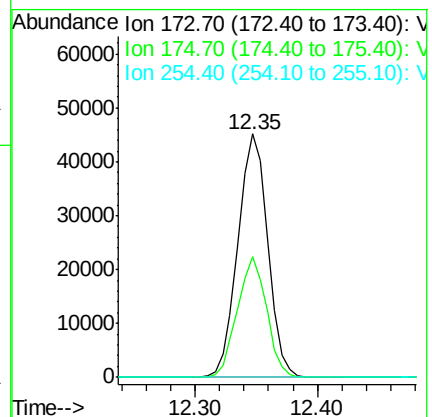
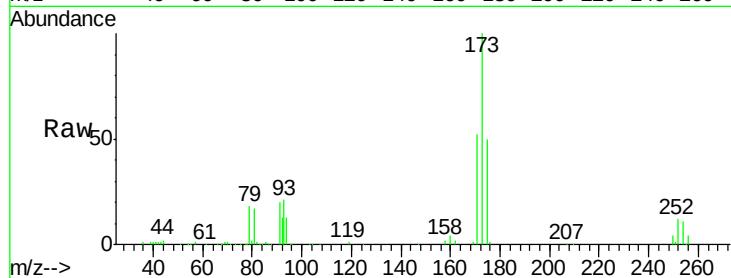
175 48.6 24.5 73.5

254 0.2 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: VW014616.D

Acq: 13 Jan 2020 11:39

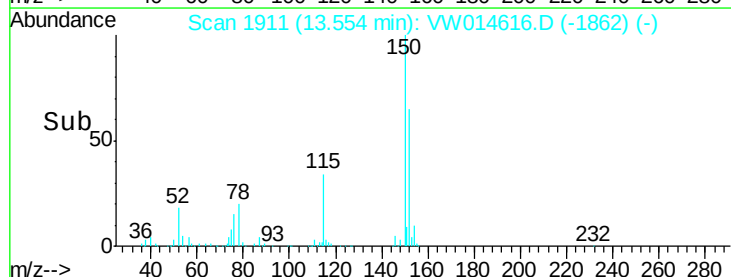
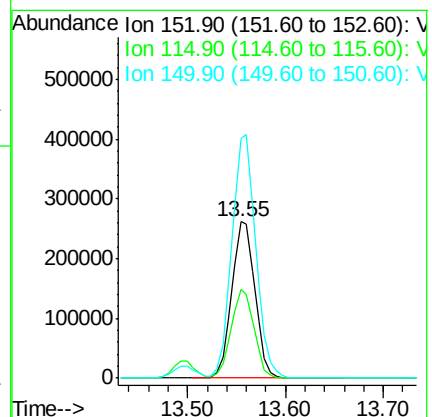
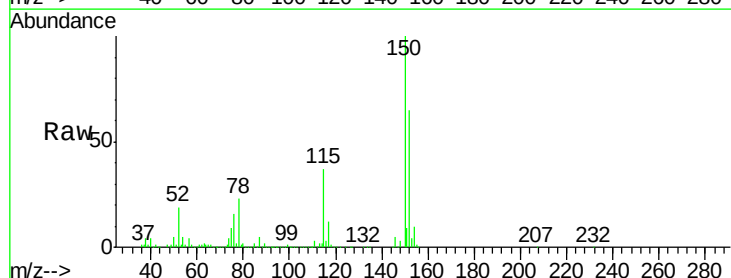
Tgt Ion:152 Resp: 428430

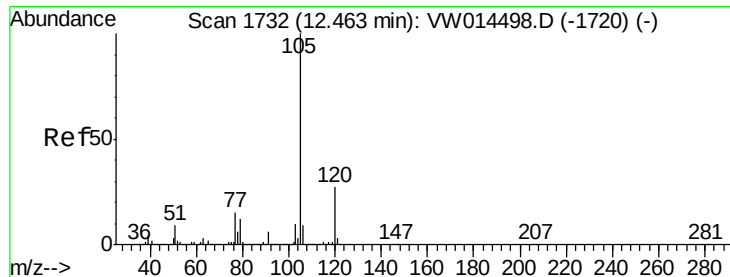
Ion Ratio Lower Upper

152 100

115 55.5 27.7 83.1

150 161.1 0.0 343.4





#73

Isopropylbenzene

Concen: 21.977 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113SBS01

Tot Ion:105 Resp: 690885

Ion Ratio Lower Upper

105 100

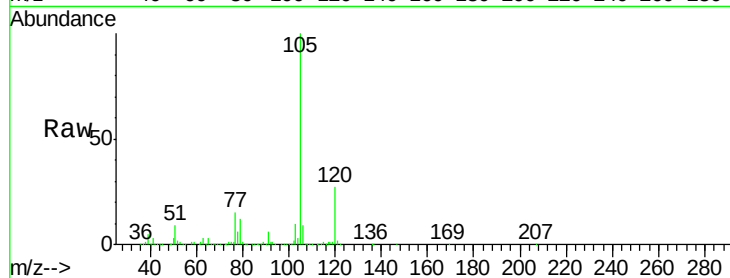
120 26.7 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

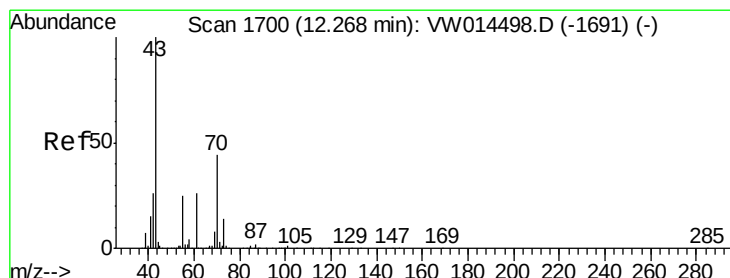
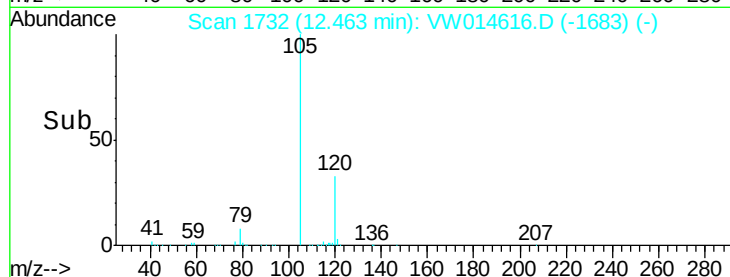
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 22.507 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion: 43 Resp: 158646

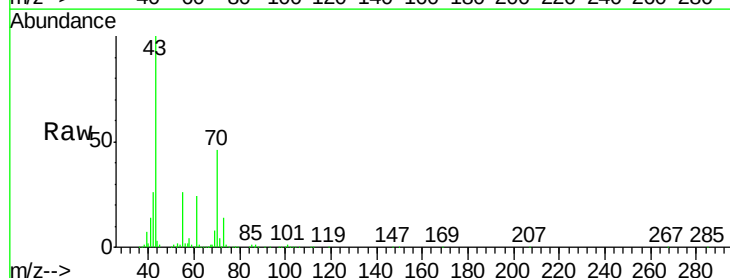
Ion Ratio Lower Upper

43 100

70 46.9 36.5 54.7

55 27.1 20.9 31.3

61 25.6 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

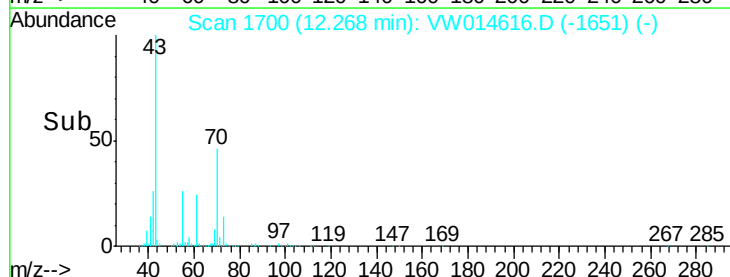
150000

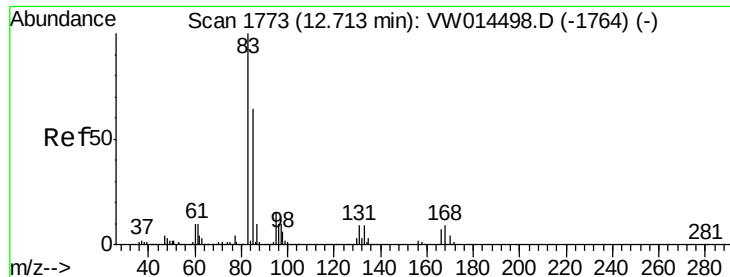
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.583 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

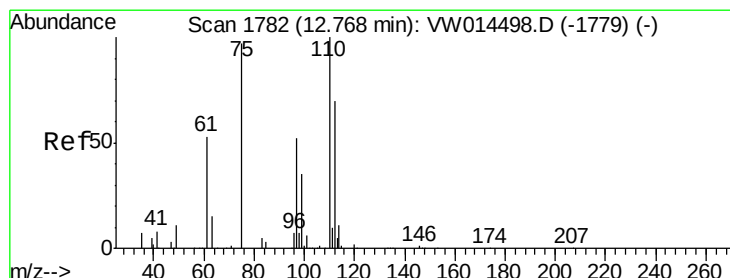
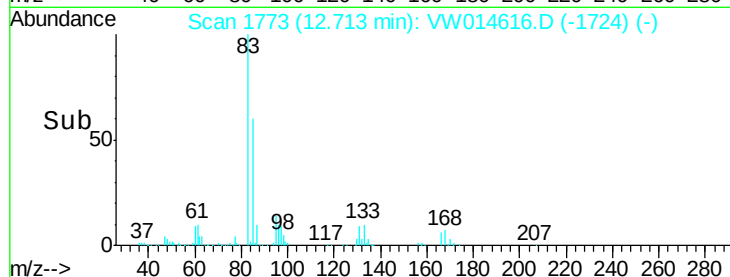
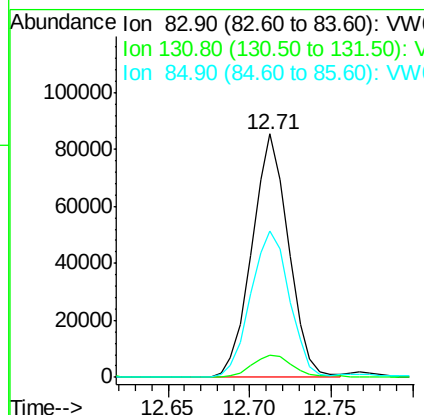
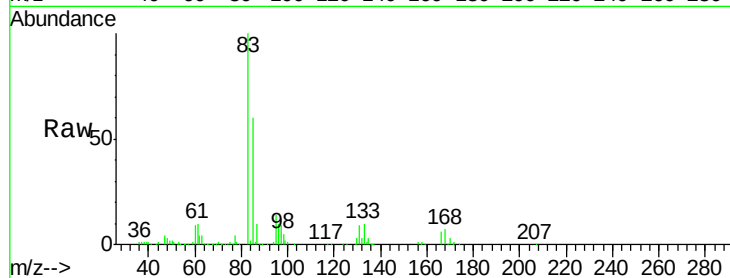
ClientSampleId :

VW0113SBSD01

Tot Ion:	83	Resp:	133814
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.4
85	63.4	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 25.534 ug/l m

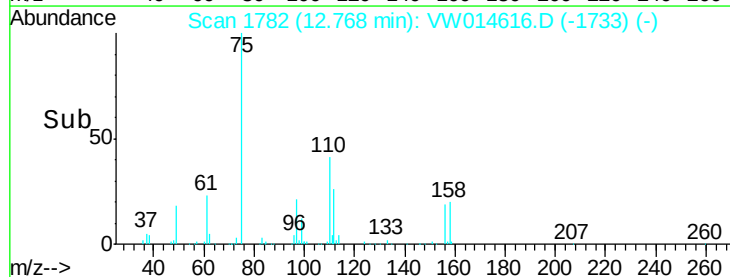
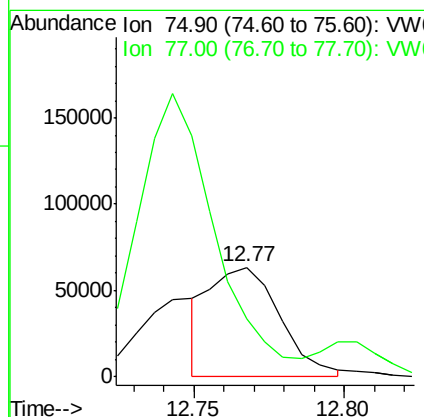
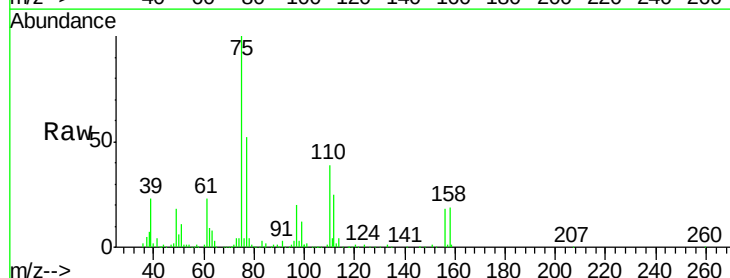
RT: 12.77 min Scan# 1782

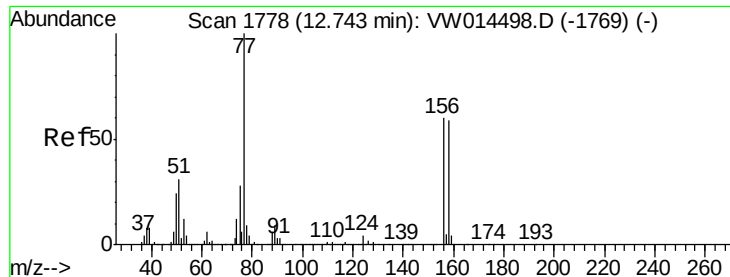
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	75	Resp:	103431
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.343 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

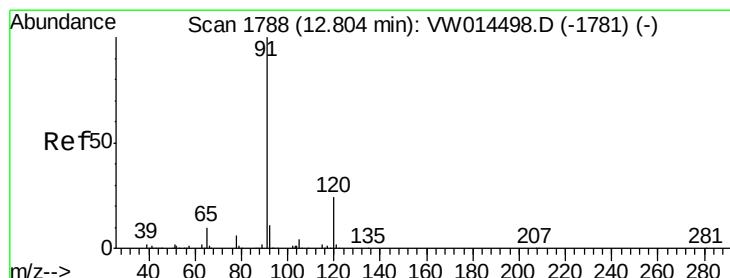
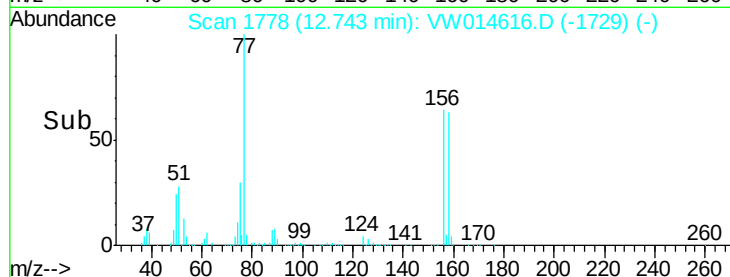
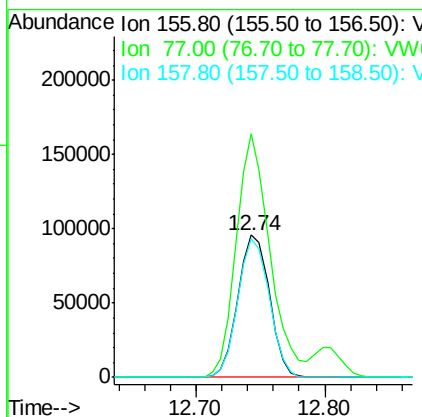
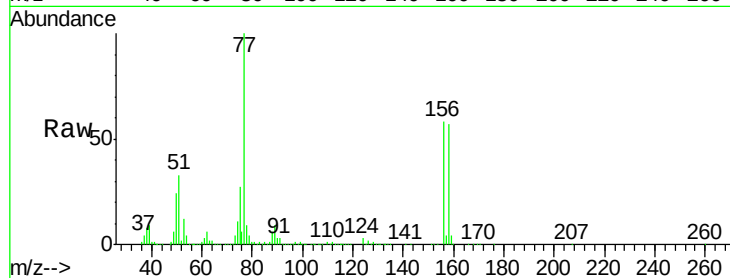
ClientSampleId :

VW0113SBSD01

Tot Ion:	156	Resp:	163130
Ion Ratio	Lower	Upper	
156	100		
77	183.0	92.3	277.1
158	96.9	48.6	145.9

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#78

n-propylbenzene

Concen: 22.478 ug/l

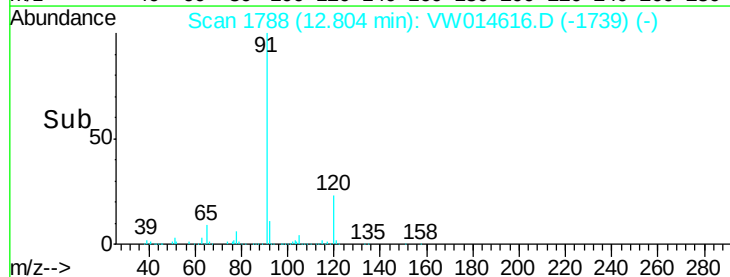
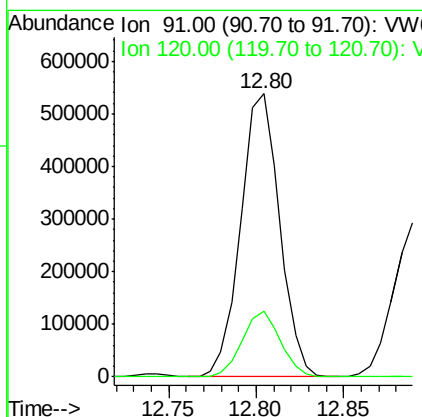
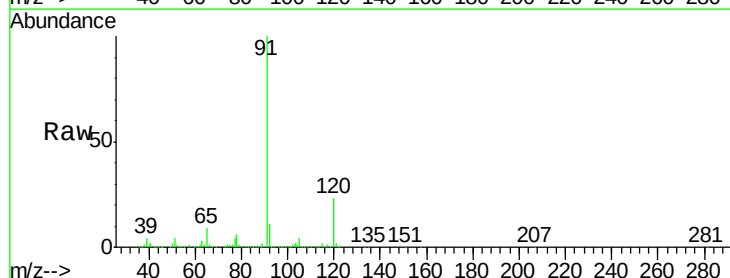
RT: 12.80 min Scan# 1788

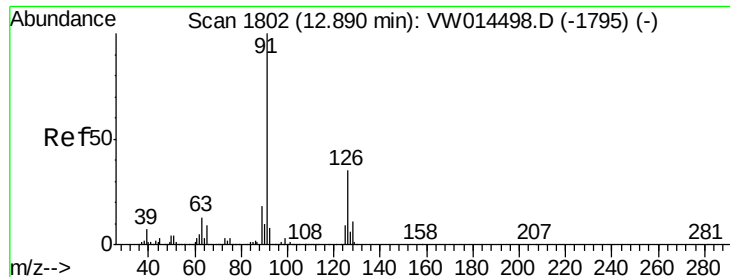
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	91	Resp:	830907
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.965 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

ClientSampleId :

VW0113BSD01

Tot Ion: 91 Resp: 462063

Ion Ratio Lower Upper

91 100

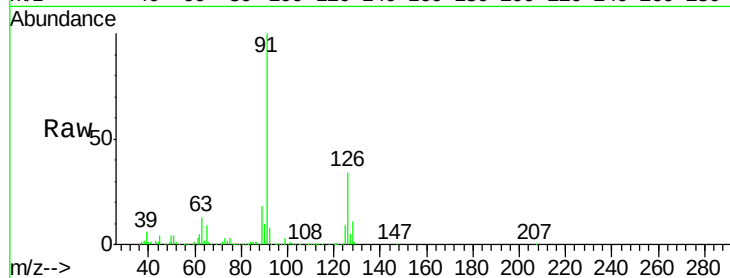
126 34.7 17.1 51.2

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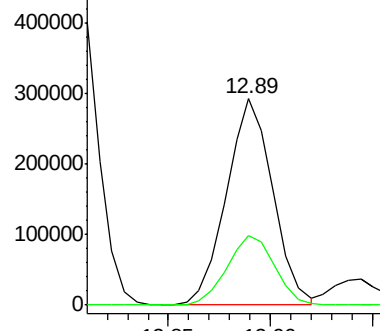
apatel

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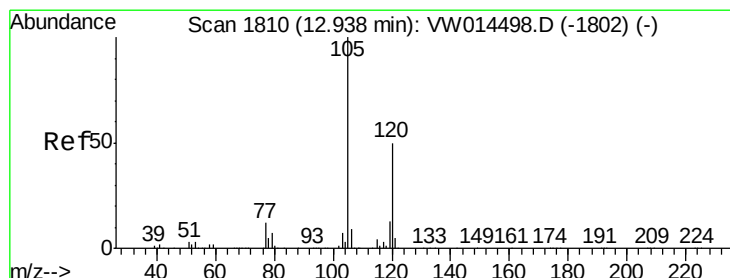
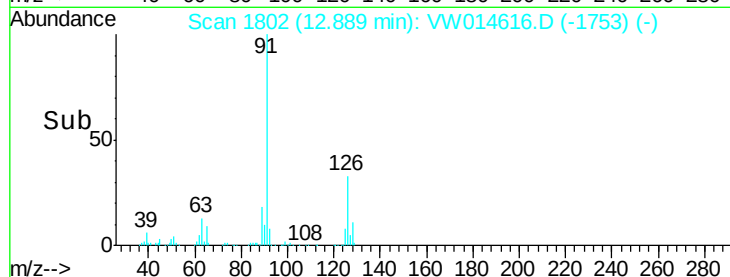


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.179 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VW014616.D

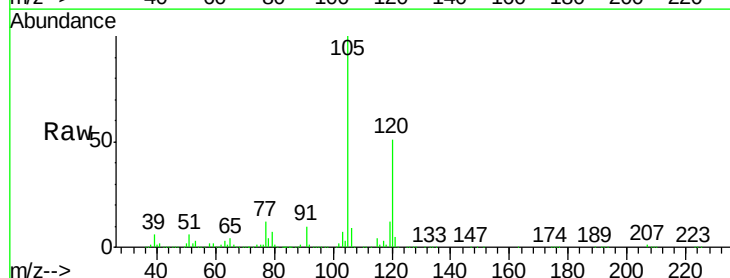
Acq: 13 Jan 2020 11:39

Tgt Ion:105 Resp: 585408

Ion Ratio Lower Upper

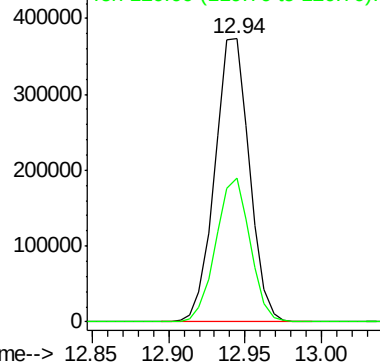
105 100

120 50.4 25.2 75.6

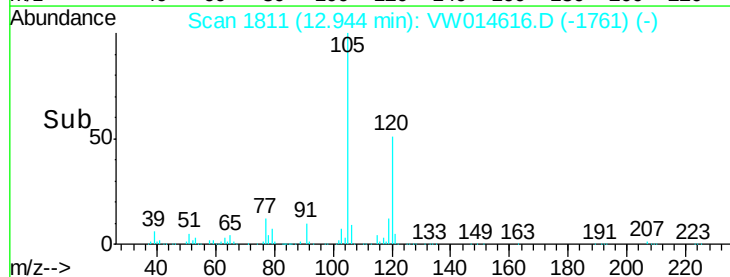


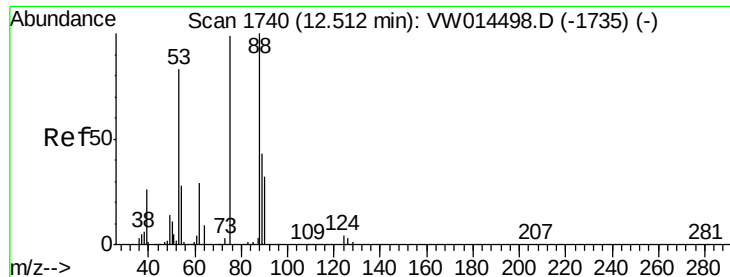
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





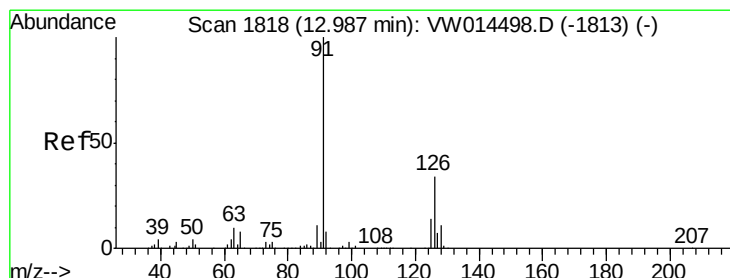
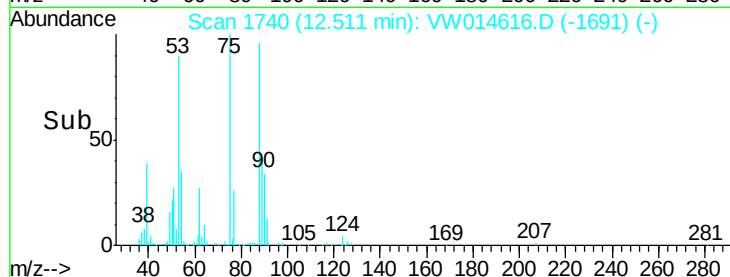
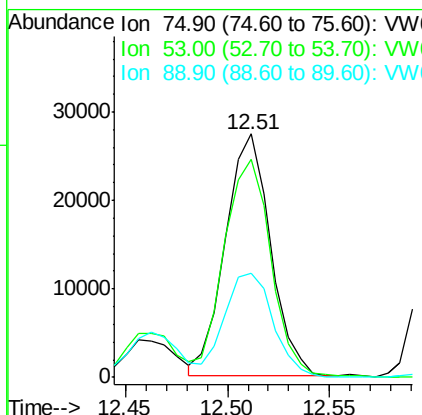
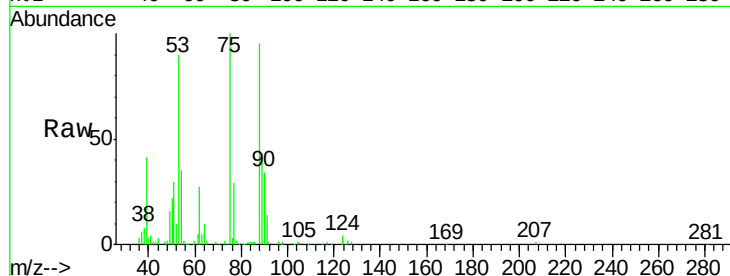
#81
trans-1,4-Dichloro-2-butene
Concen: 23.253 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	70.9	106.3
89	45.9	35.8	53.8

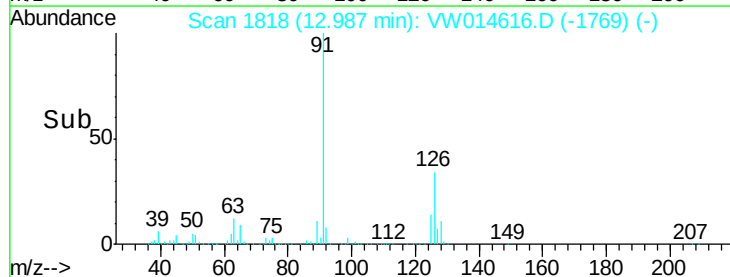
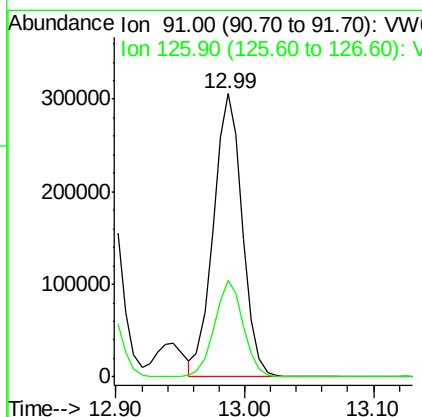
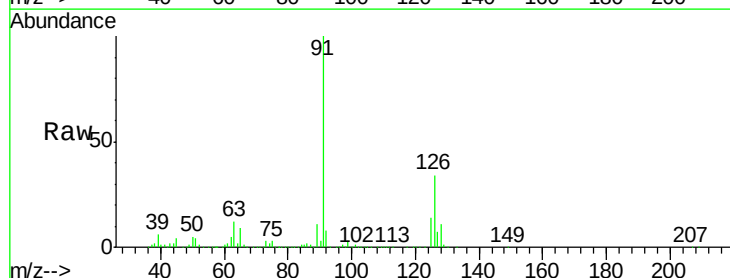
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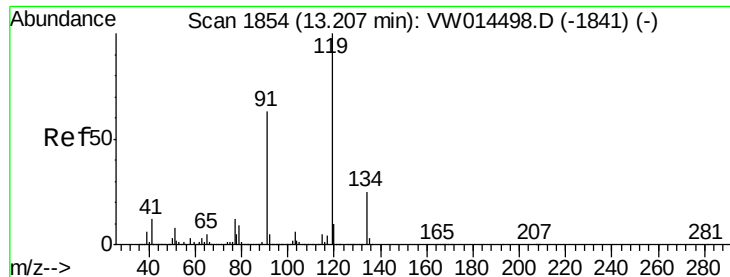
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#82
4-Chlorotoluene
Concen: 22.015 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.1	51.2





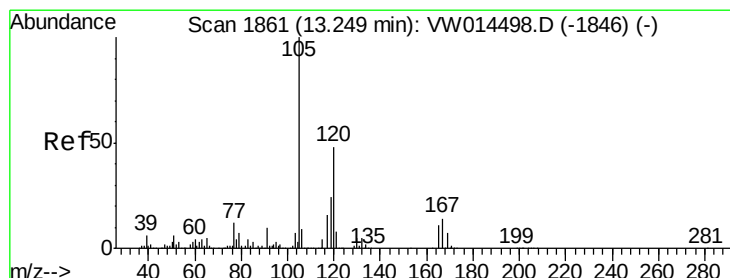
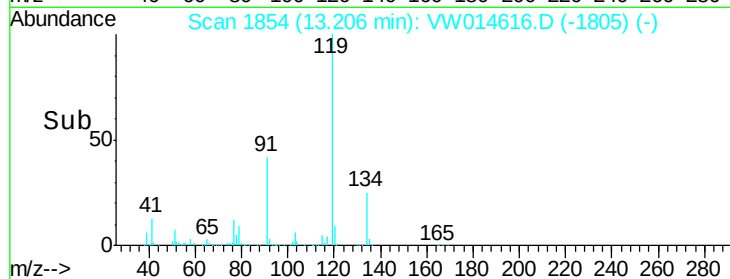
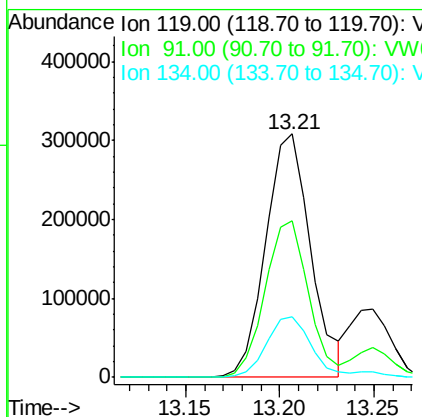
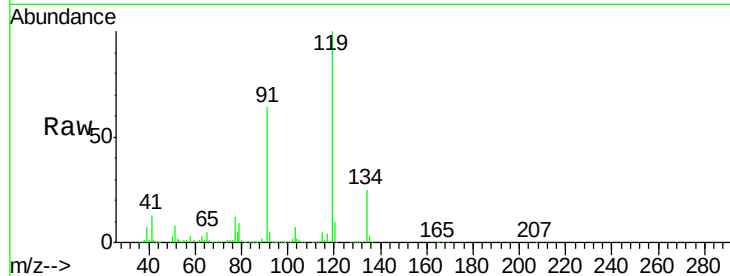
#83
 tert-Butylbenzene
 Concen: 22.106 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.1	93.3
134	26.4	13.5	40.5

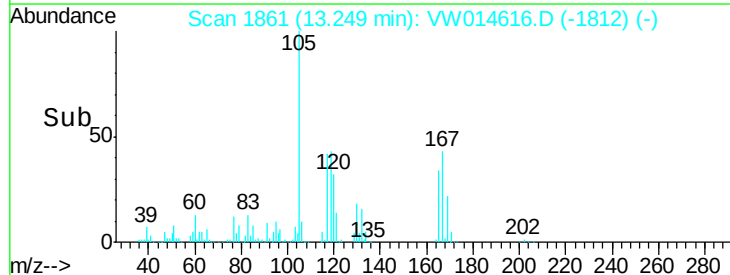
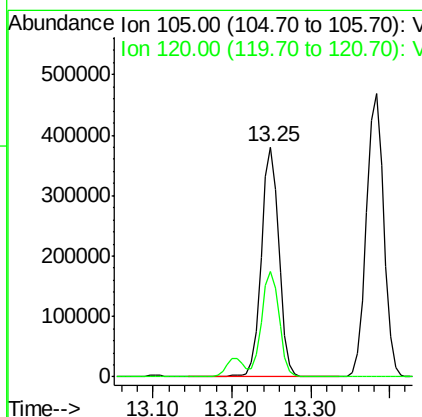
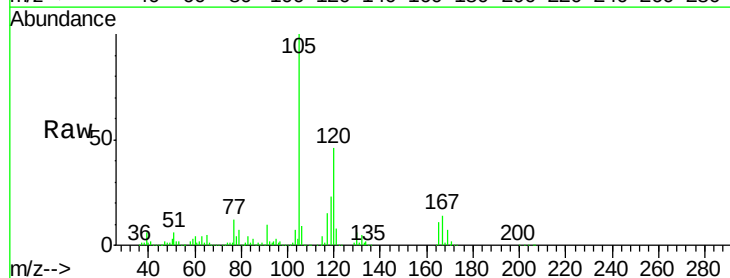
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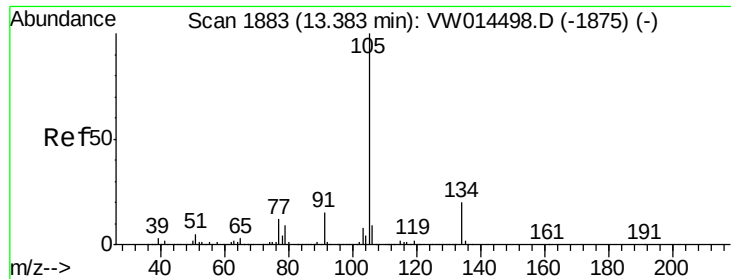
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.371 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.4	70.0





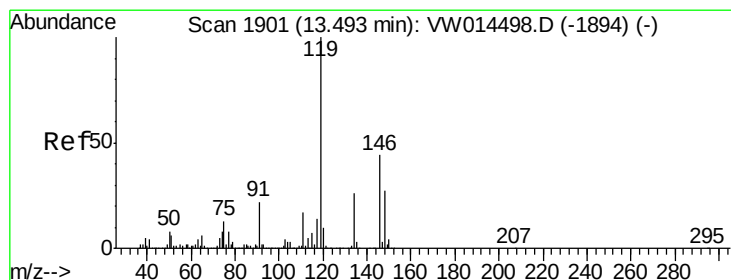
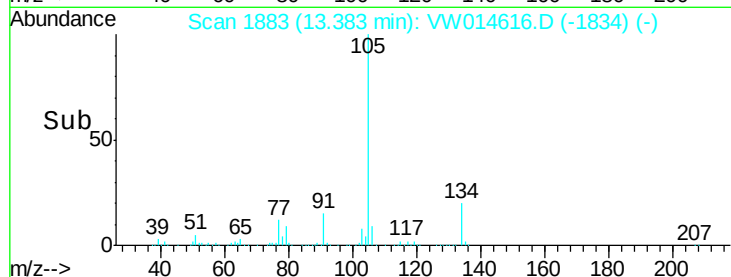
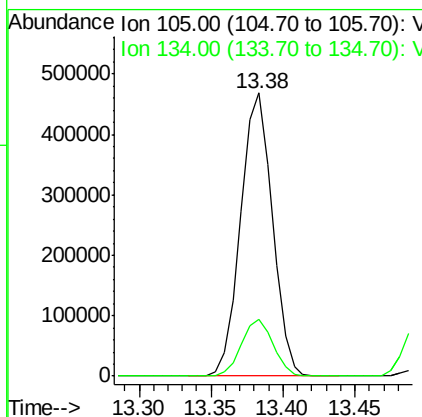
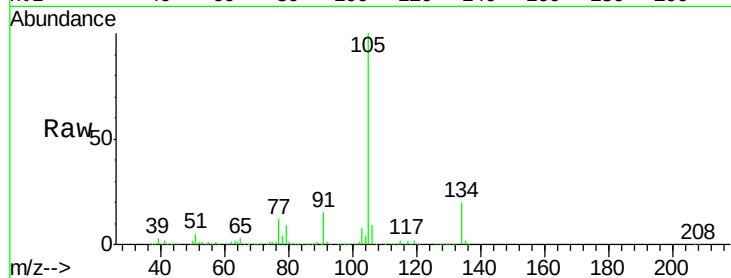
#85
 sec-Butylbenzene
 Concen: 22.412 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0113BSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.2	30.6

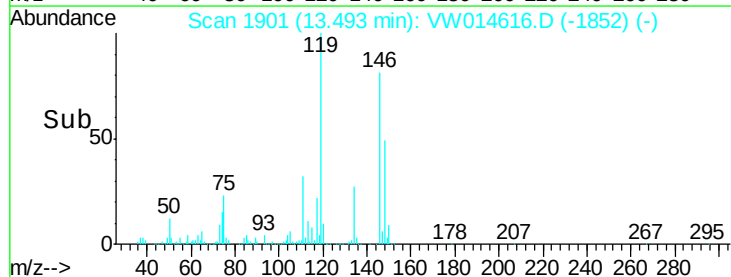
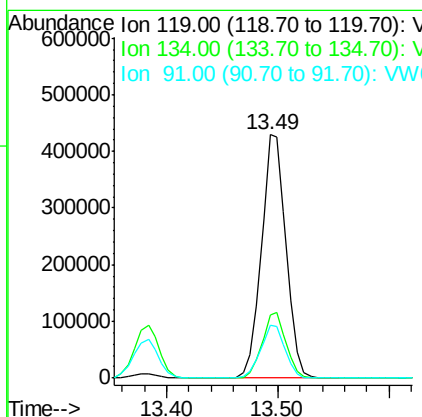
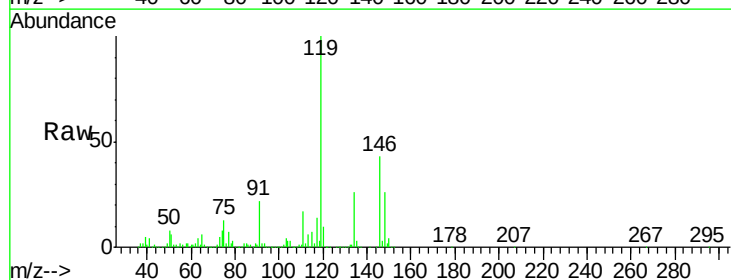
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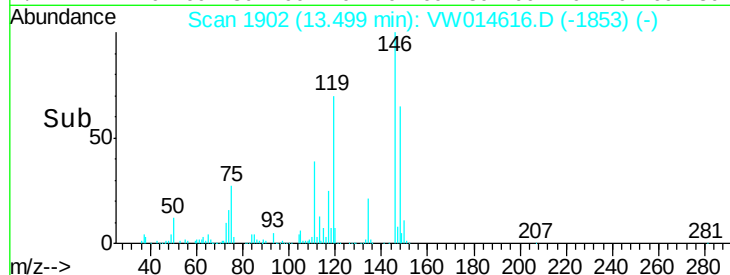
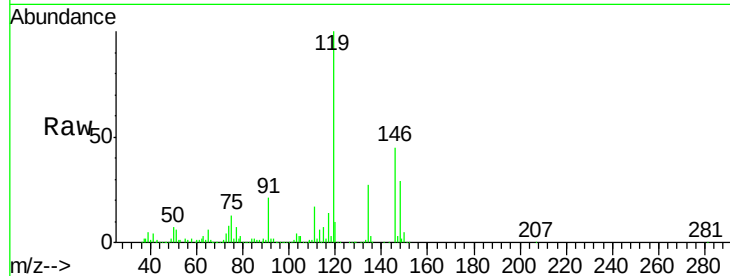
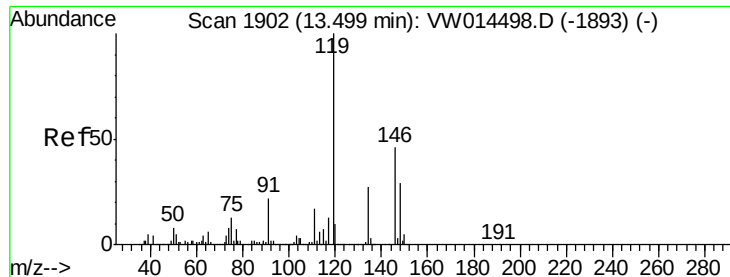
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#86
 p-Isopropyltoluene
 Concen: 22.614 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.2	39.5
91	21.7	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 21.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

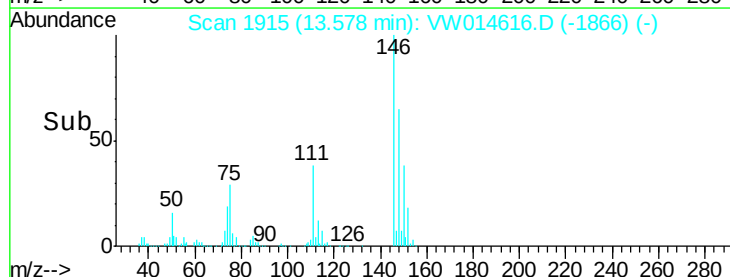
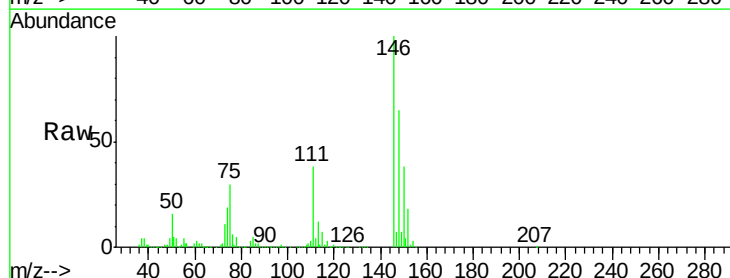
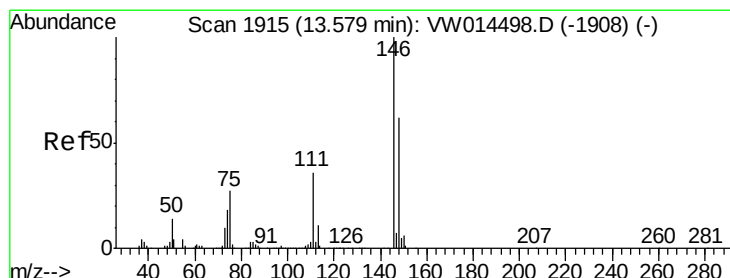
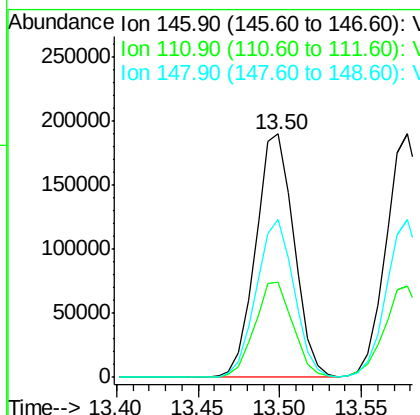
Tot Ion	Ratio	Resp	Lower	Upper
146	100	309498		
111	39.3	19.3	57.9	
148	63.8	31.8	95.4	

Instrument :
MSVOA_W

ClientSampleId :
VW0113BSD01

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#88

1,4-Dichlorobenzene

Concen: 21.980 ug/l

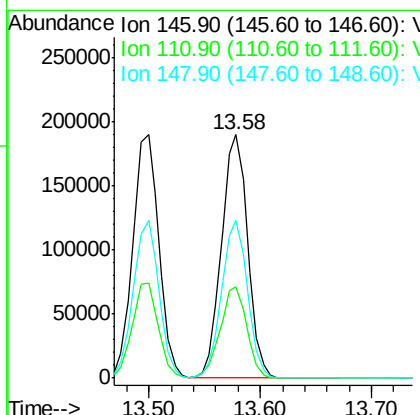
RT: 13.58 min Scan# 1915

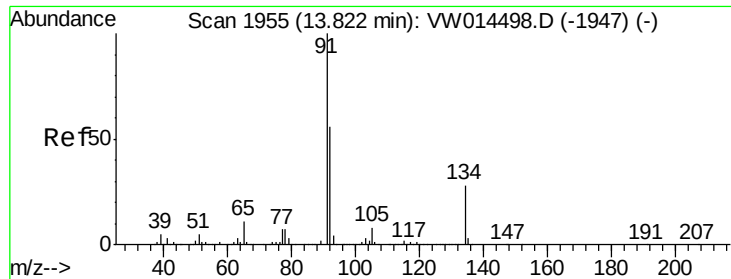
Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	308092		
111	38.1	18.7	56.1	
148	63.8	31.7	95.1	





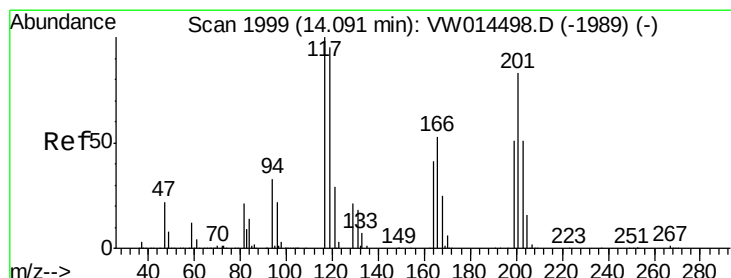
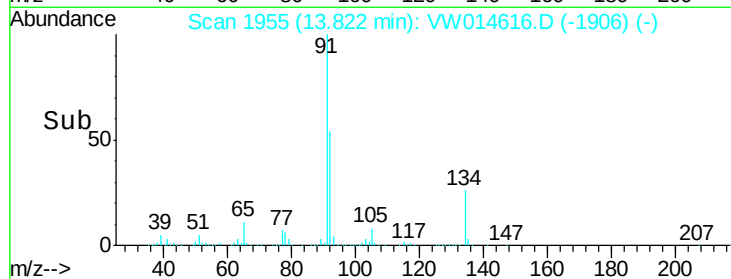
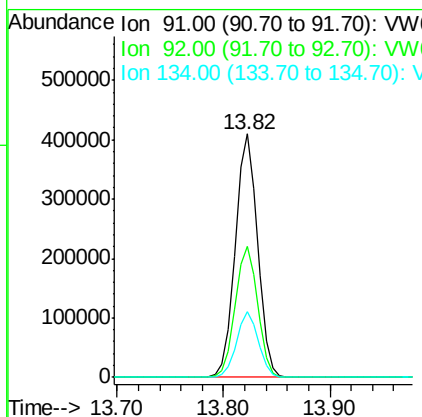
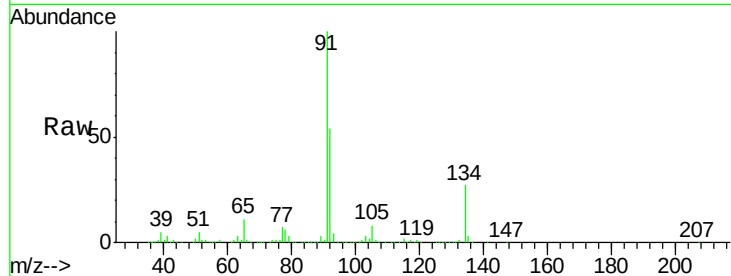
#89
n-Butylbenzene
Concen: 22.226 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Instrument :
MSVOA_W
ClientSampleId :
VW0113BSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	601780		
92	54.5		27.5	82.5
134	26.6		13.7	41.1

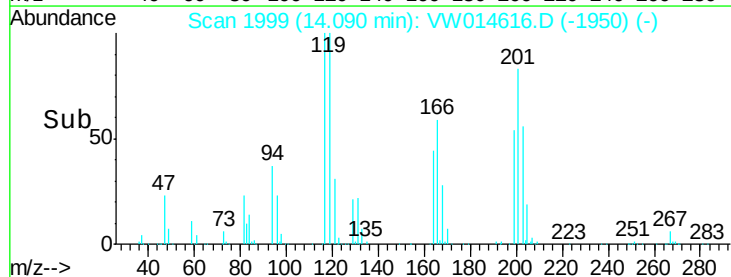
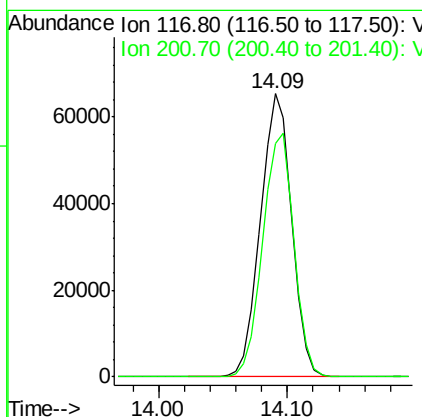
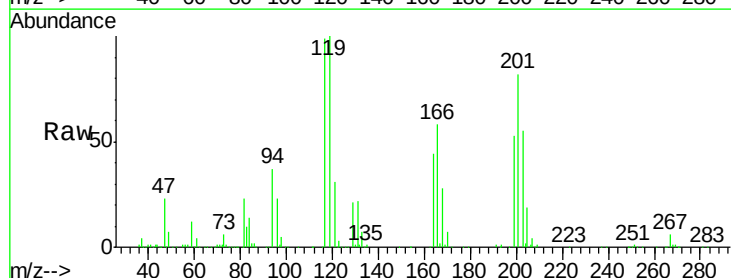
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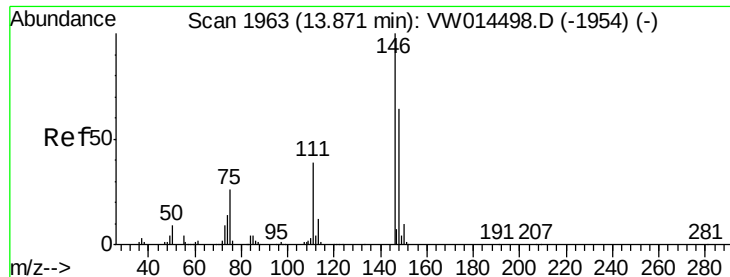
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#90
Hexachloroethane
Concen: 21.457 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW014616.D
Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	109292		
201	86.6		43.0	128.8





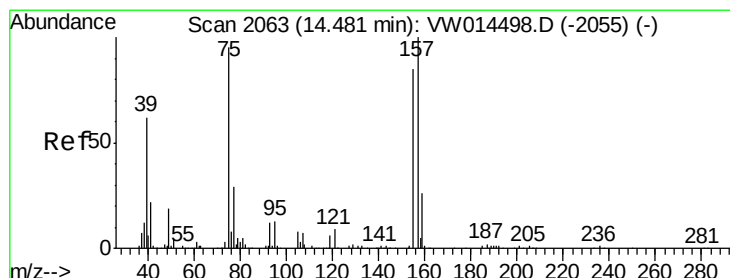
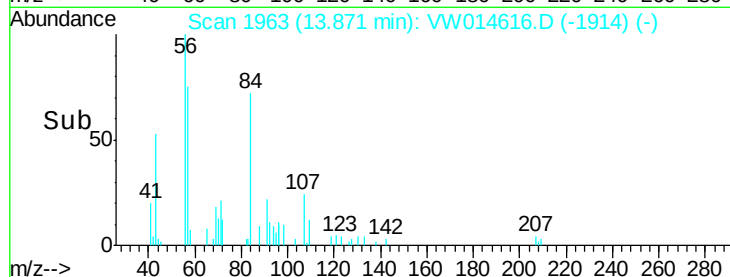
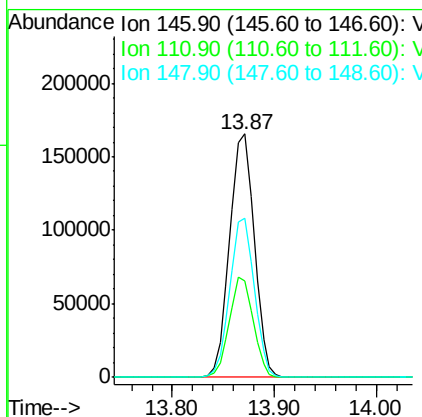
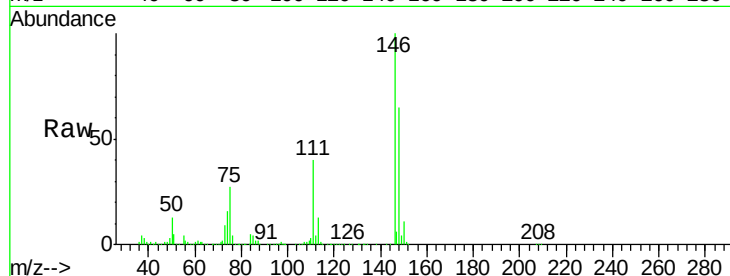
#91
 1,2-Dichlorobenzene
 Concen: 22.216 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.4	61.3
148	64.8	32.3	96.8

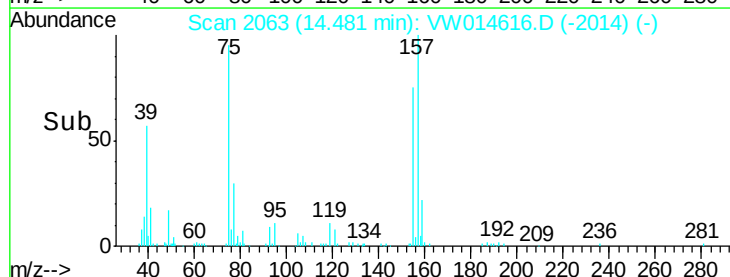
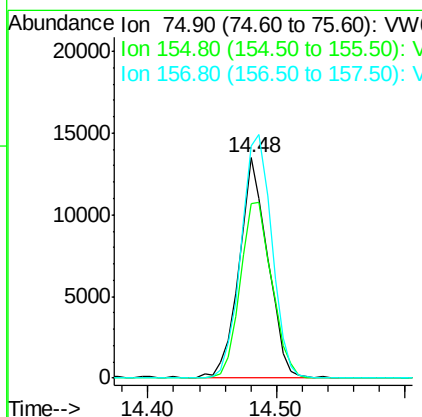
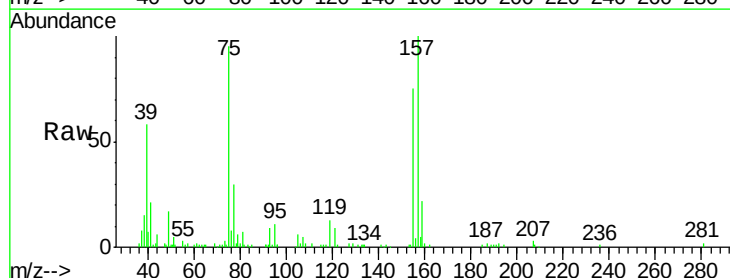
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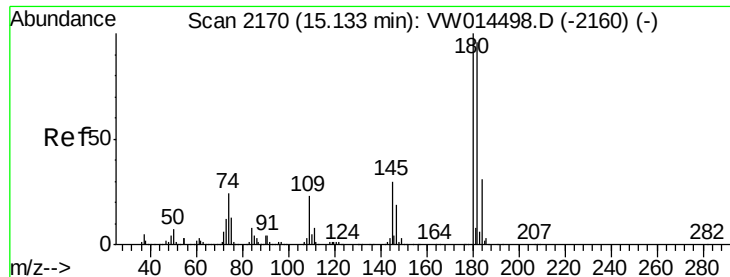
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.184 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	45.8	137.4
157	117.4	58.1	174.2





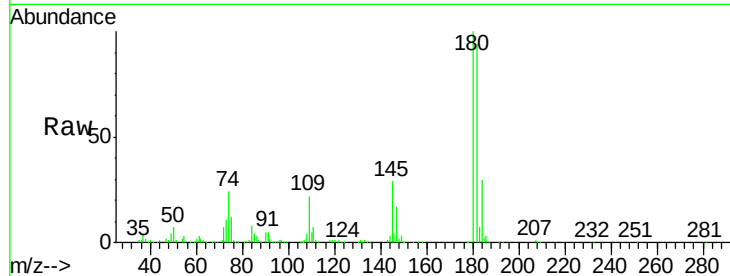
#93
 1,2,4-Trichlorobenzene
 Concen: 21.942 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0113SBSD01

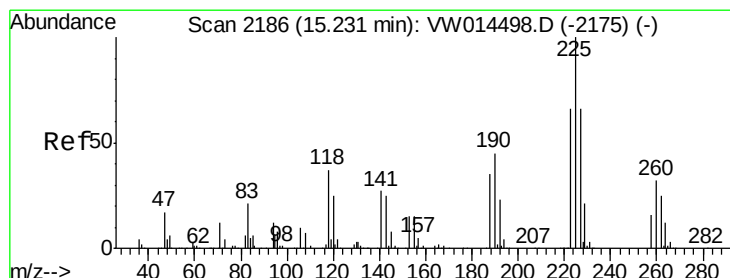
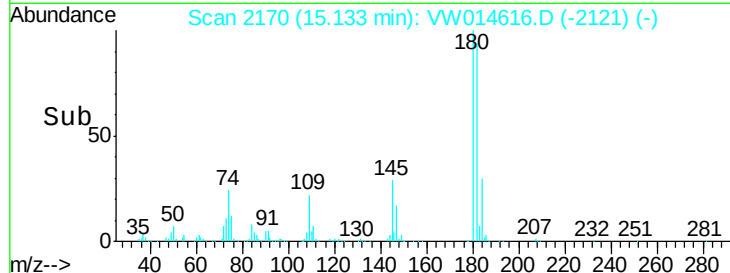
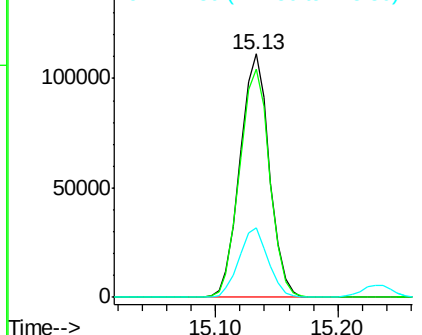
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	47.3	141.8	
145	28.4	14.7	44.1	

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 1/14/2020 3:06:43 PM

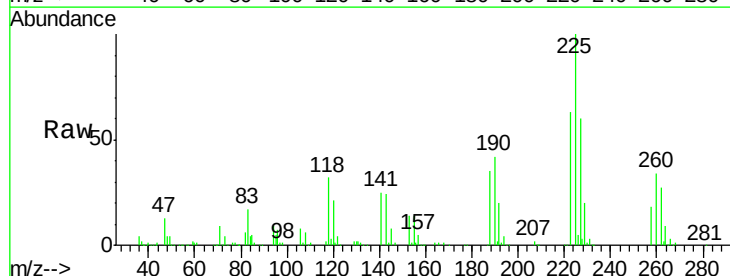


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

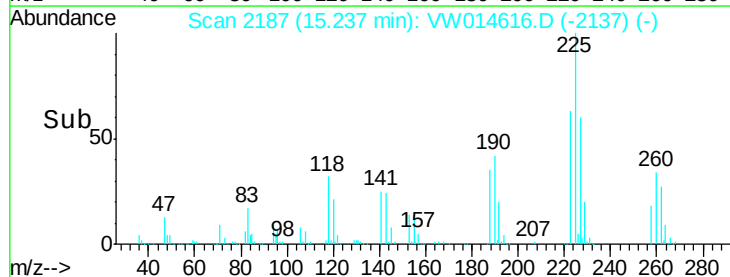
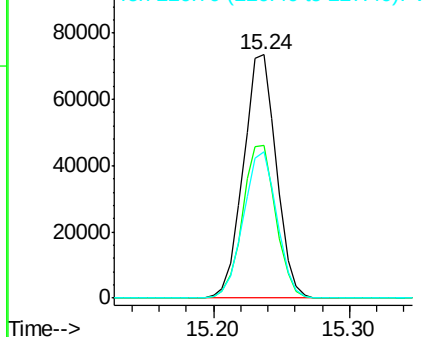


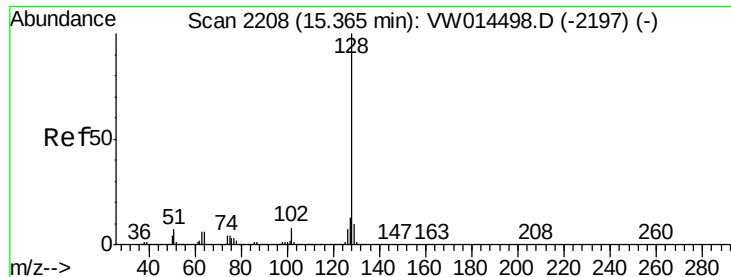
#94
 Hexachlorobutadiene
 Concen: 22.051 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW014616.D
 Acq: 13 Jan 2020 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	32.4	97.2	
227	61.1	32.6	97.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.298 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Instrument :

MSVOA_W

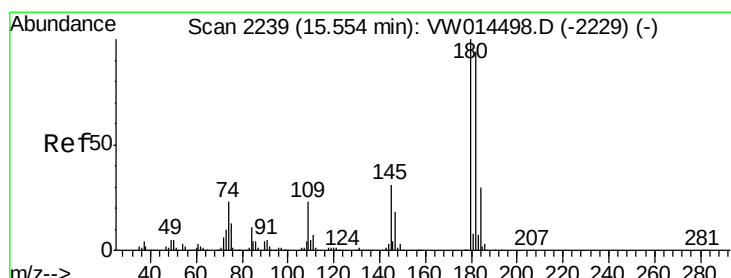
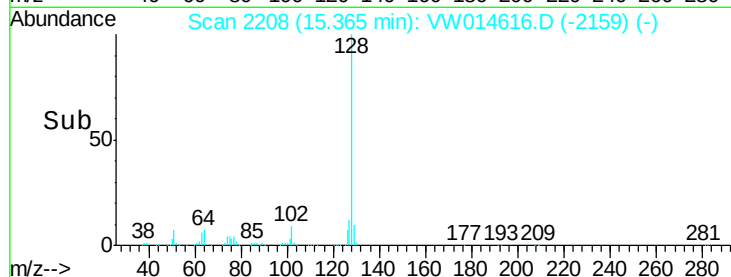
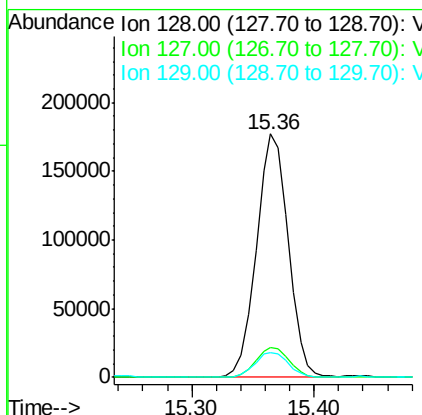
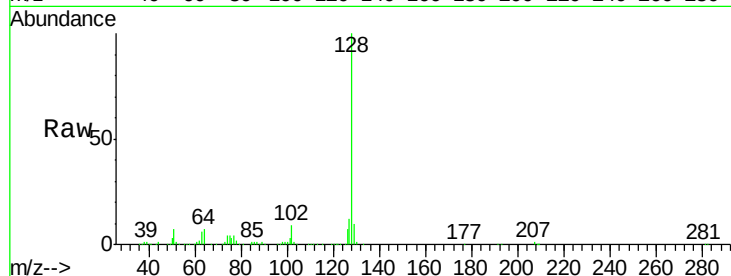
ClientSampleId :

VW0113SBS01

Tot Ion:	128	Resp:	320461
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 22.083 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014616.D

Acq: 13 Jan 2020 11:39

Tgt Ion:	180	Resp:	162206
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.4	142.2
145	29.9	15.5	46.5

