

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092418\
 Data File : VW005579.D
 Acq On : 24 Sep 2018 12:47
 Operator : VA/AP
 Sample : VW0924SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Manual Integrations
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 9/25/2018 11:55:17 AM

Quant Time: Sep 24 16:20:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	222212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	328389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	300181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	164376	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123583	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
35) Dibromofluoromethane	7.89	113	104438	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.33	98	431565	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.63	95	156633	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	30267	20.739	ug/l	97
3) Chloromethane	2.21	50	29340	16.425	ug/l	99
4) Vinyl Chloride	2.37	62	43481	20.364	ug/l	98
5) Bromomethane	2.79	94	28780	19.945	ug/l	99
6) Chloroethane	2.93	64	26135	19.075	ug/l	95
7) Trichlorofluoromethane	3.26	101	36987	22.148	ug/l	98
8) Diethyl Ether	3.68	74	19911	18.252	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	42506	20.107	ug/l	100
10) Methyl Iodide	4.27	142	64008	19.689	ug/l	99
11) Tert butyl alcohol	5.21	59	12018	87.372	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	40247	19.887	ug/l	94
13) Acrolein	3.90	56	9353	90.960	ug/l	100
14) Allyl chloride	4.67	41	65031	18.412	ug/l	98
15) Acrylonitrile	5.38	53	41776	86.253	ug/l	99
16) Acetone	4.14	43	43725	100.608	ug/l	94
17) Carbon Disulfide	4.38	76	124653	19.713	ug/l	100
18) Methyl Acetate	4.68	43	19516	15.729	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	58331	18.673	ug/l	100
20) Methylene Chloride	4.92	84	48304	19.399	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	42275	19.072	ug/l	97
22) Diisopropyl ether	6.32	45	125255	18.268	ug/l	95
23) Vinyl Acetate	6.26	43	350614	89.468	ug/l	98
24) 1,1-Dichloroethane	6.23	63	80221	18.937	ug/l	98
25) 2-Butanone	7.18	43	52939	83.263	ug/l	100
26) 2,2-Dichloropropane	7.17	77	59668	20.176	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	46443	18.996	ug/l	99
28) Bromochloromethane	7.51	49	27871	16.610	ug/l	96
29) Tetrahydrofuran	7.54	42	32761	82.478	ug/l	99
30) Chloroform	7.68	83	83612	19.118	ug/l	98
31) Cyclohexane	7.96	56	79161	19.505	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	76736	19.862	ug/l	99
36) 1,1-Dichloropropene	8.09	75	67664	20.469	ug/l	99
37) Ethyl Acetate	7.26	43	23783	17.096	ug/l	97
38) Carbon Tetrachloride	8.07	117	73277	20.686	ug/l	98

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Quant Time: Sep 24 16:20:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78776	20.198	ug/l	96
40) Benzene	8.34	78	180026	19.220	ug/l	98
41) Methacrylonitrile	7.49	41	14305	18.070	ug/l	99
42) 1,2-Dichloroethane	8.41	62	58236	19.420	ug/l	99
43) Isopropyl Acetate	8.43	43	46215	16.897	ug/l	98
44) Trichloroethene	9.10	130	47973	20.010	ug/l	98
45) 1,2-Dichloropropane	9.38	63	42953	18.640	ug/l	99
46) Dibromomethane	9.46	93	21807	18.940	ug/l	98
47) Bromodichloromethane	9.65	83	59405	19.207	ug/l	97
48) Methyl methacrylate	9.45	41	23336	17.963	ug/l	96
49) 1,4-Dioxane	9.48	88	6185	337.885	ug/l #	95
51) 4-Methyl-2-Pentanone	10.22	43	116199	84.350	ug/l	100
52) Toluene	10.39	92	116616	19.954	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	59177	19.086	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	67735	19.498	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30827	18.862	ug/l	98
56) Ethyl methacrylate	10.65	69	35502	17.597	ug/l	99
57) 1,3-Dichloropropane	10.94	76	52951	18.281	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	84466	92.359	ug/l	97
59) 2-Hexanone	10.98	43	81821	87.432	ug/l	99
60) Dibromochloromethane	11.13	129	38930	19.715	ug/l	98
61) 1,2-Dibromoethane	11.24	107	28828	18.919	ug/l	99
64) Tetrachloroethene	10.87	164	42574	19.983	ug/l	96
65) Chlorobenzene	11.66	112	124608	19.554	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	45764	19.954	ug/l	99
67) Ethyl Benzene	11.74	91	227342	20.099	ug/l	100
68) m/p-Xylenes	11.85	106	175767	41.130	ug/l	99
69) o-Xylene	12.17	106	80299	20.064	ug/l	97
70) Styrene	12.19	104	133198	19.776	ug/l	99
71) Bromoform	12.35	173	23251	19.099	ug/l #	99
73) Isopropylbenzene	12.48	105	230267	20.201	ug/l	100
74) N-amyl acetate	12.28	43	43579	16.883	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	34154	18.038	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	25533m	18.222	ug/l	
77) Bromobenzene	12.76	156	52978	19.829	ug/l	97
78) n-propylbenzene	12.81	91	281736	20.415	ug/l	98
79) 2-Chlorotoluene	12.90	91	155553	19.482	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	195890	19.763	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	11780	18.935	ug/l	99
82) 4-Chlorotoluene	12.99	91	169019	20.035	ug/l	100
83) tert-Butylbenzene	13.21	119	161722	19.421	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	203137	20.309	ug/l	99
85) sec-Butylbenzene	13.39	105	245376	20.317	ug/l	99
86) p-Isopropyltoluene	13.51	119	227450	21.011	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	105932	19.391	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	108464	19.963	ug/l	98
89) n-Butylbenzene	13.83	91	209591	20.527	ug/l	99
90) Hexachloroethane	14.10	117	39550	20.158	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	97303	20.176	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6519	18.071	ug/l	99

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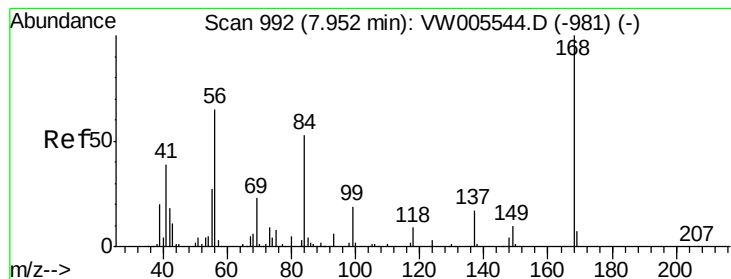
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Quant Title : SW846 8260
QLast Update : Fri Sep 21 09:05:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	69861	20.307	ug/l	98
94) Hexachlorobutadiene	15.25	225	45443	20.389	ug/l	100
95) Naphthalene	15.38	128	110923	19.169	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	60683	20.016	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion:168 Resp: 222212

Ion Ratio Lower Upper

168 100

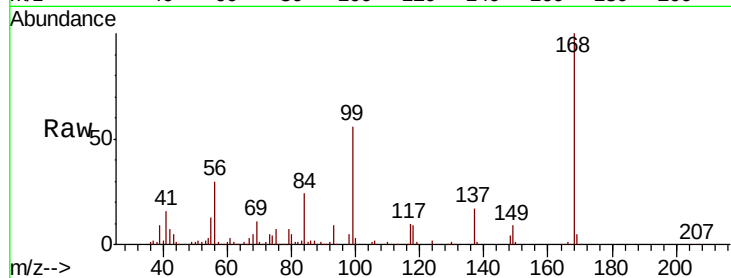
99 55.4 48.4 72.6

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

60000

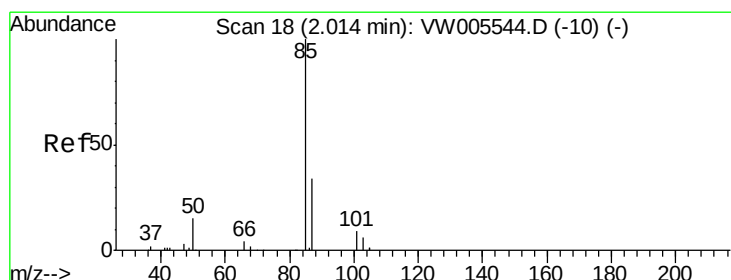
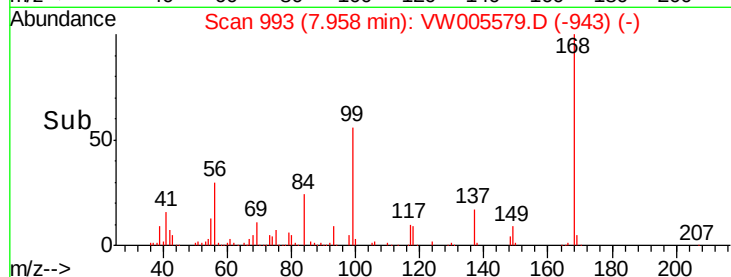
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 20.739 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW005579.D

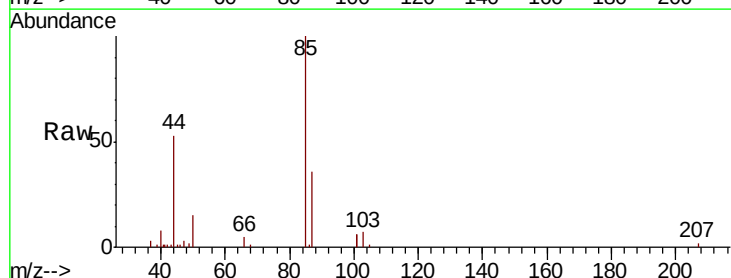
Acq: 24 Sep 2018 12:47

Tgt Ion: 85 Resp: 30267

Ion Ratio Lower Upper

85 100

87 35.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

10000

8000

6000

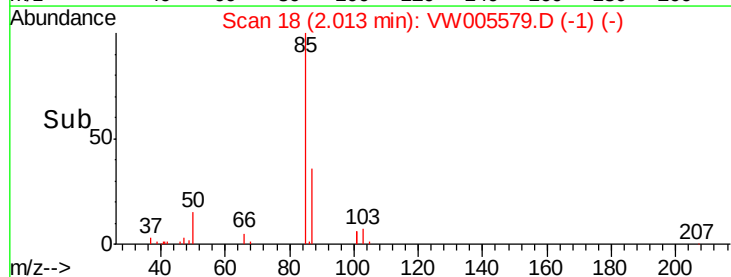
4000

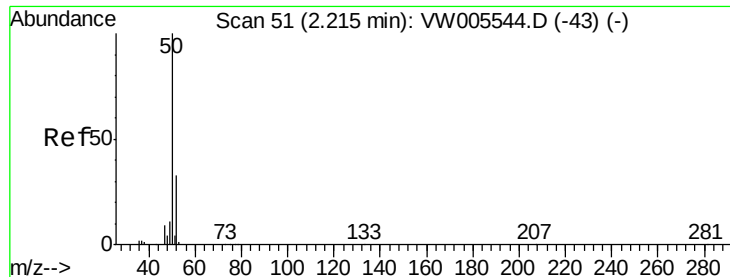
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 16.425 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 50 Resp: 29340

Ion Ratio Lower Upper

50 100

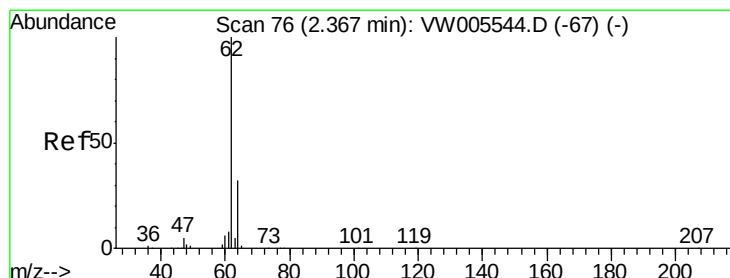
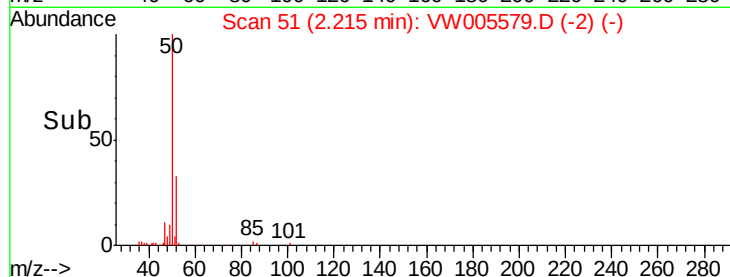
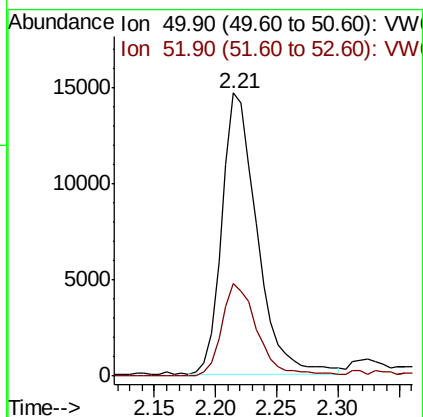
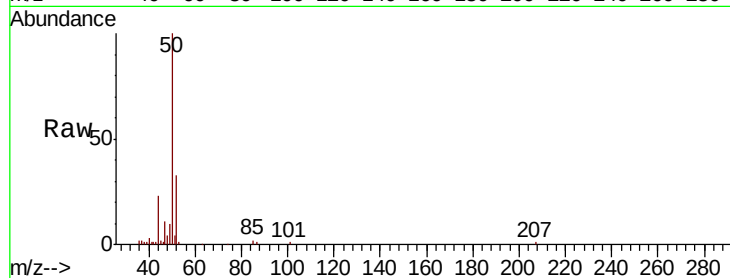
52 33.1 26.2 39.4

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#4

Vinyl Chloride

Concen: 20.364 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005579.D

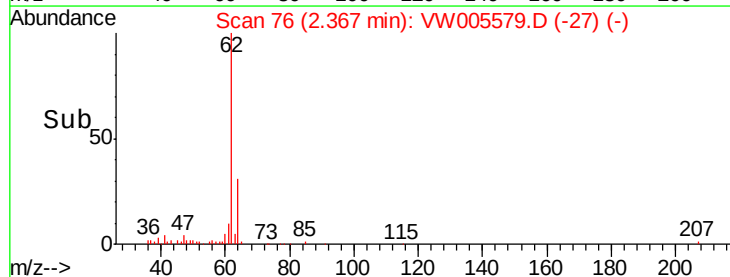
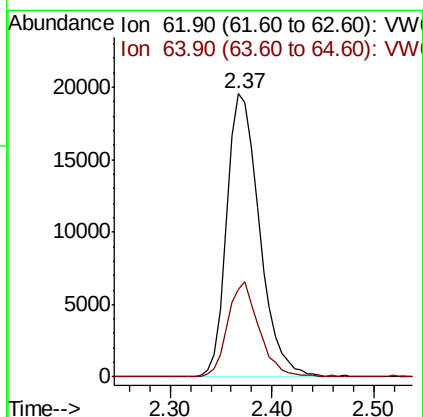
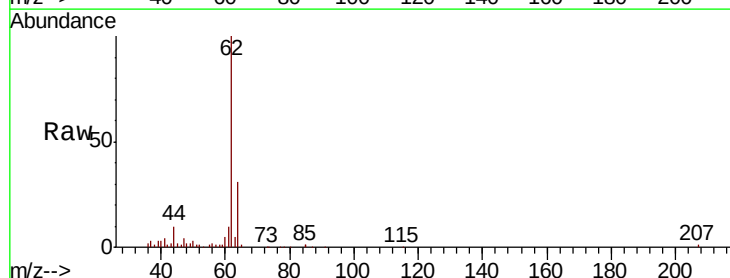
Acq: 24 Sep 2018 12:47

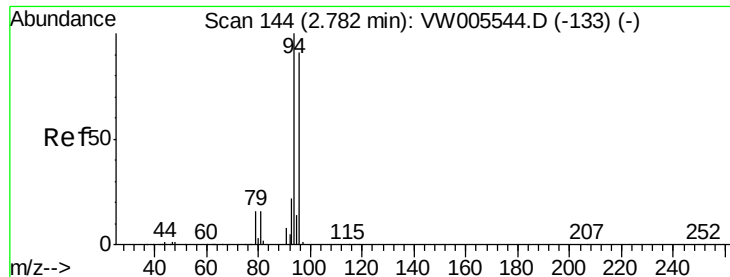
Tgt Ion: 62 Resp: 43481

Ion Ratio Lower Upper

62 100

64 31.1 25.7 38.5





#5

Bromomethane

Concen: 19.945 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 94 Resp: 28780

Ion Ratio Lower Upper

94 100

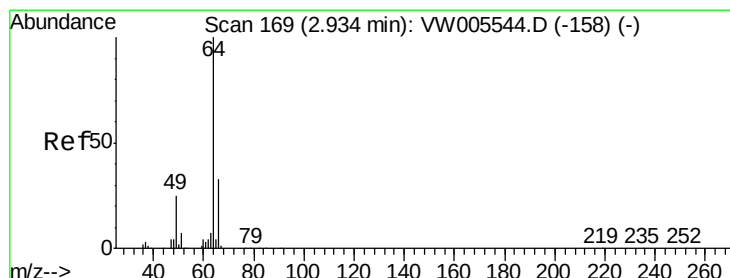
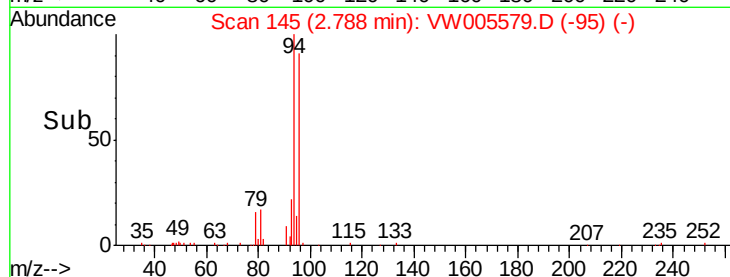
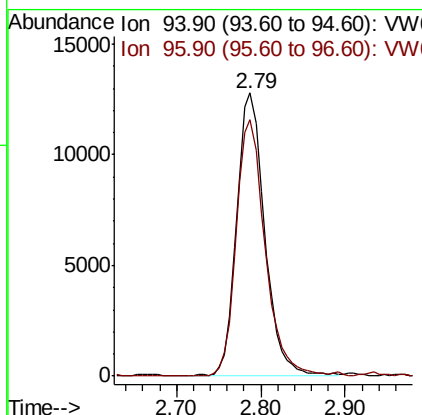
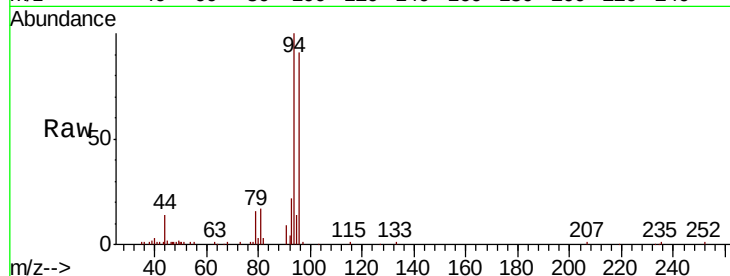
96 90.8 73.1 109.7

Manual Integrations

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#6

Chloroethane

Concen: 19.075 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW005579.D

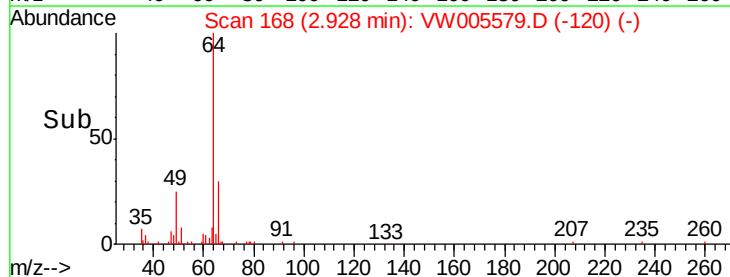
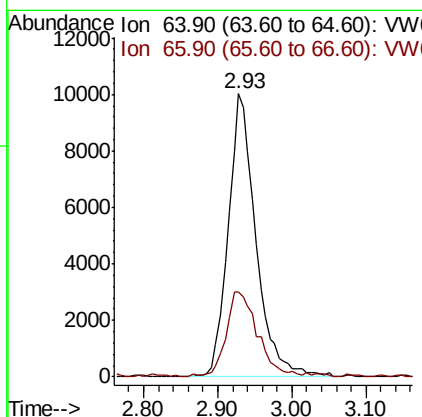
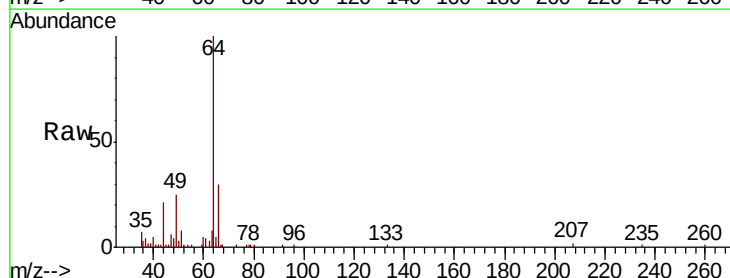
Acq: 24 Sep 2018 12:47

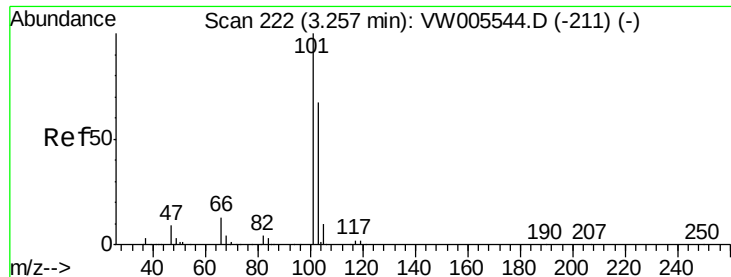
Tgt Ion: 64 Resp: 26135

Ion Ratio Lower Upper

64 100

66 29.9 26.0 39.0





#7

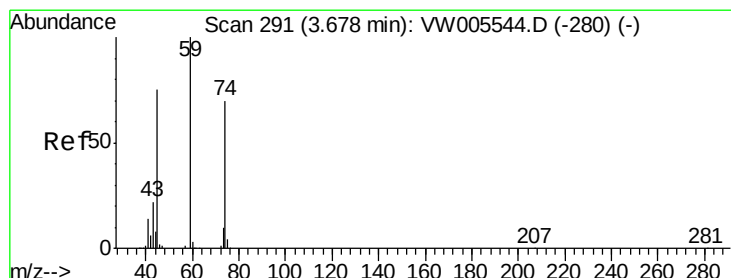
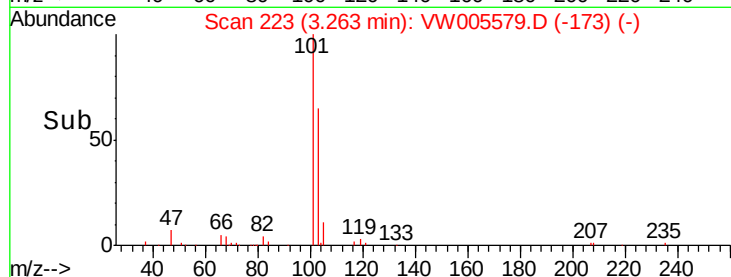
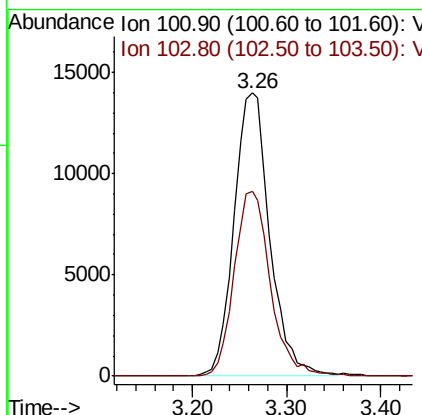
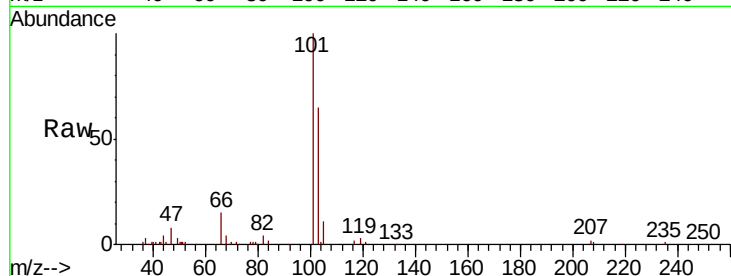
Trichlorofluoromethane
Concen: 22.148 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
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ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	53.2	79.8

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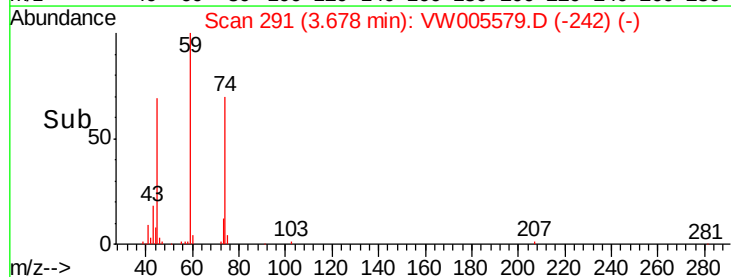
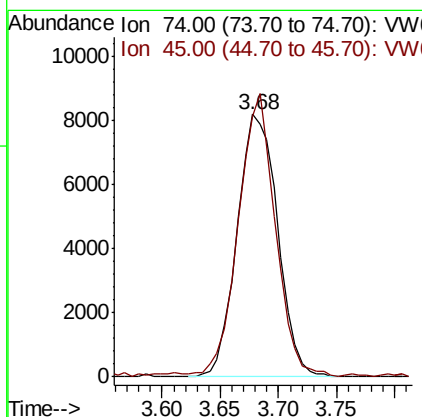
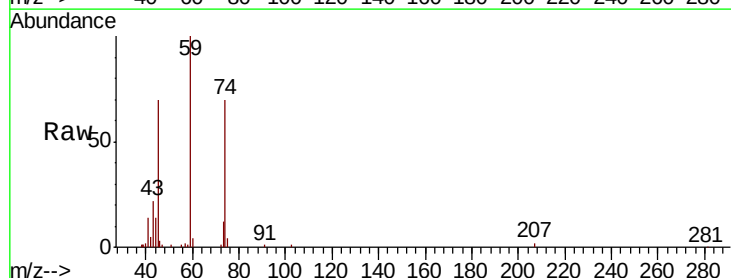
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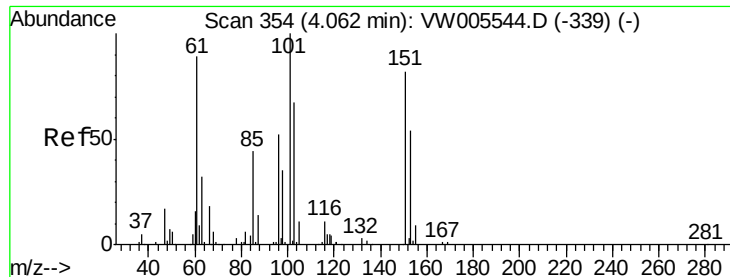


#8

Diethyl Ether
Concen: 18.252 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.107 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

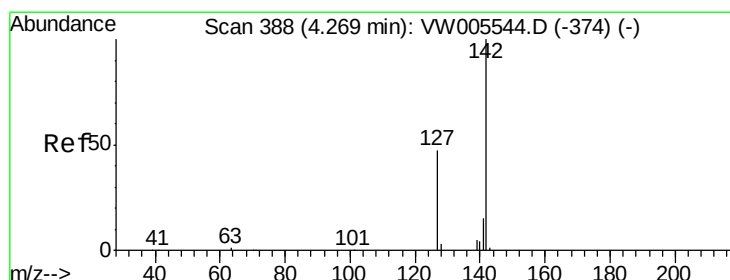
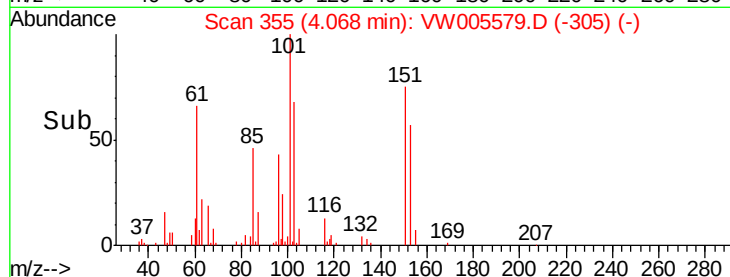
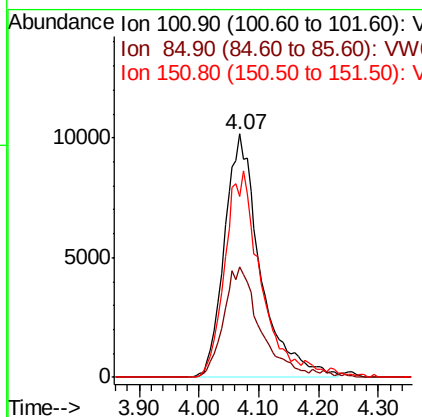
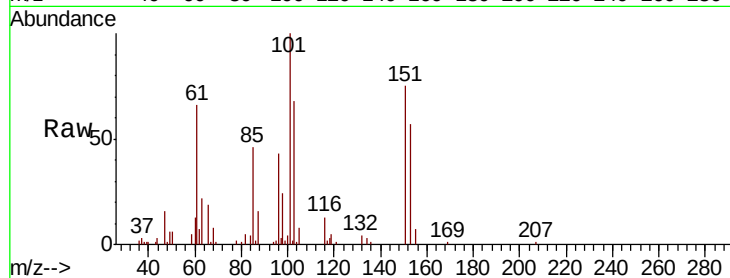
ClientSampleID :

VW0924SBSD01

Tot Ion:	101	Resp:	42506
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.4	54.6
151	82.7	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.689 ug/l

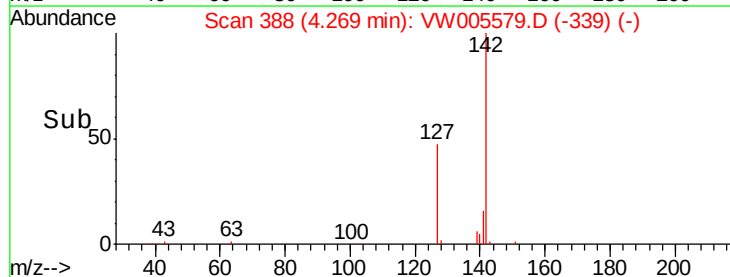
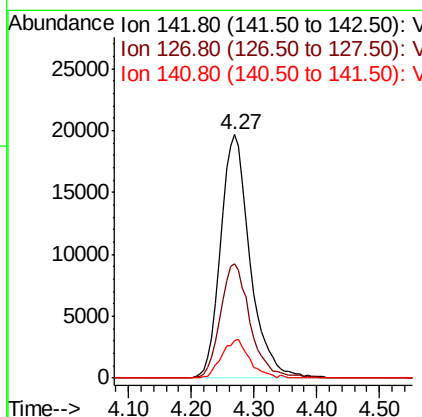
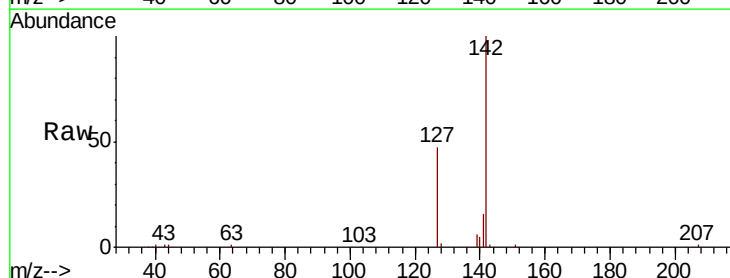
RT: 4.27 min Scan# 388

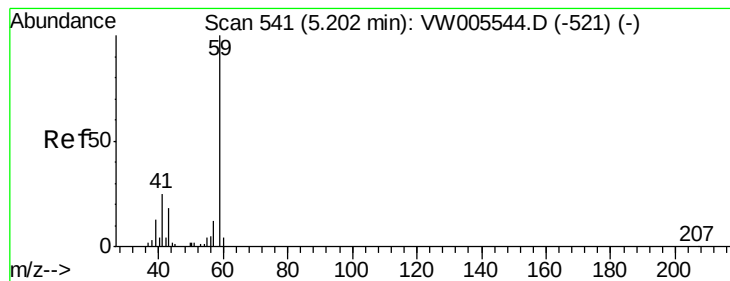
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:	142	Resp:	64008
Ion Ratio	Lower	Upper	
142	100		
127	47.7	37.4	56.0
141	15.0	11.9	17.9





#11

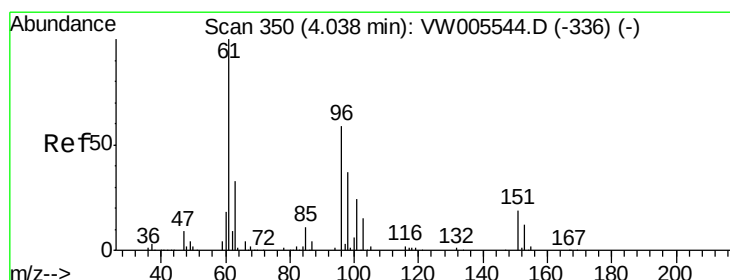
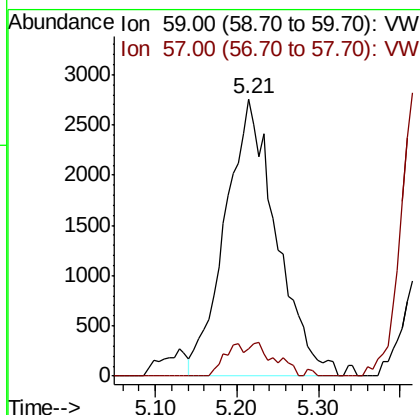
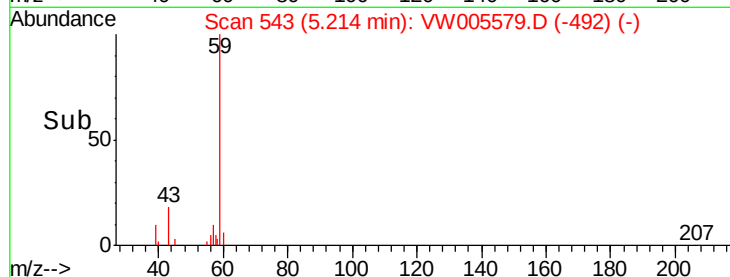
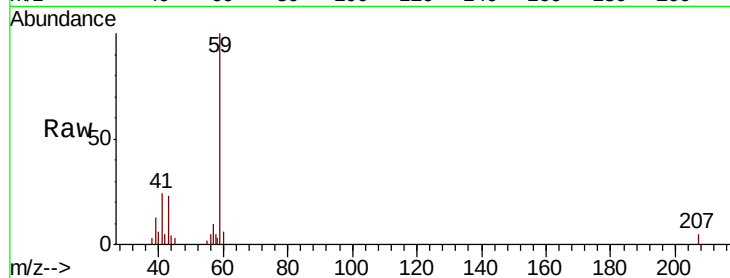
Tert butyl alcohol
 Concen: 87.372 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	59	57	Ratio	100	4.5	Resp:	12018	Lower	8.3	Upper	12.5#

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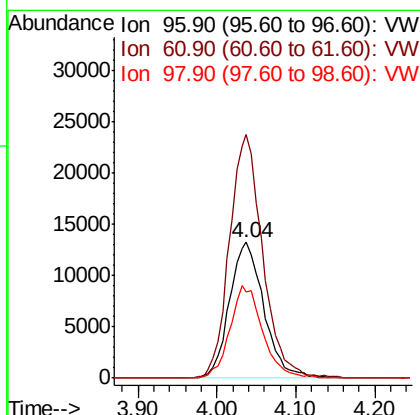
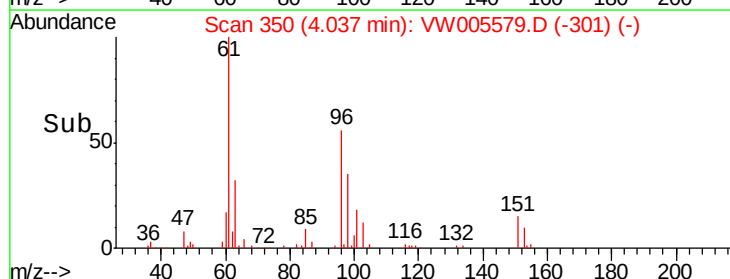
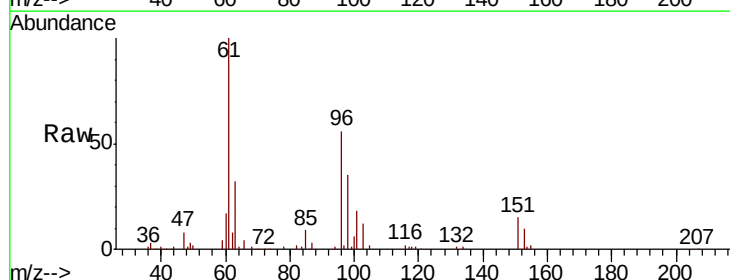
apatel
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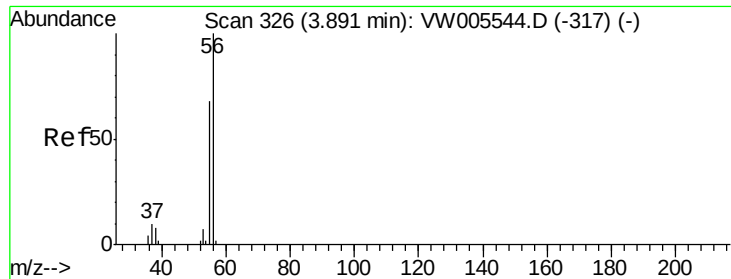


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	96	61	98	Ratio	100	179.5	63.3	Resp:	40247	Lower	135.0	50.6	Upper	202.6	76.0





#13

Acrolein

Concen: 90.960 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 56 Resp: 9353

Ion Ratio Lower Upper

56 100

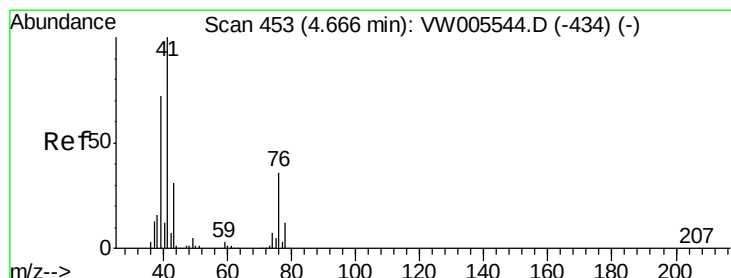
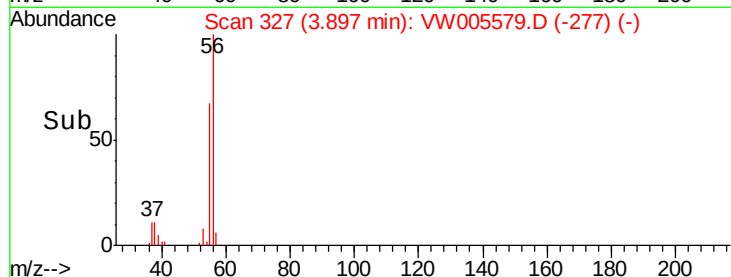
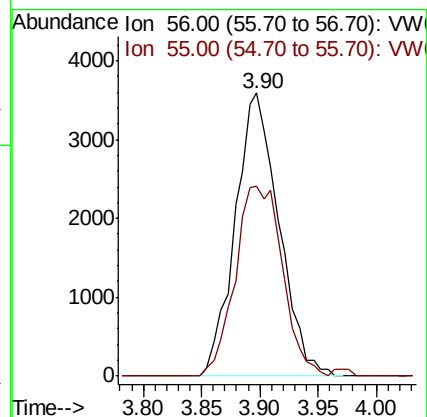
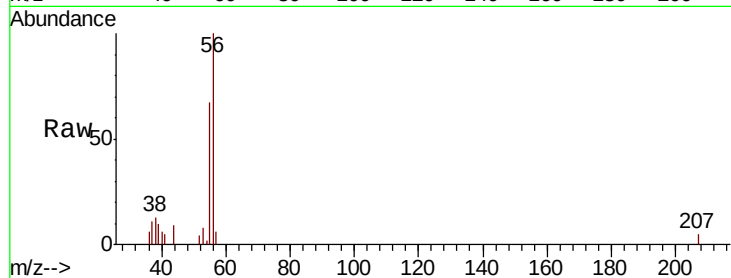
55 72.7 57.8 86.8

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#14

Allyl chloride

Concen: 18.412 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

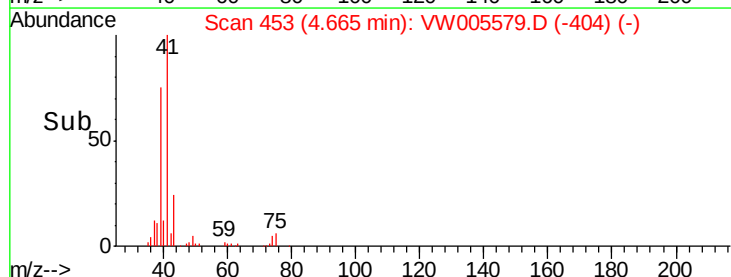
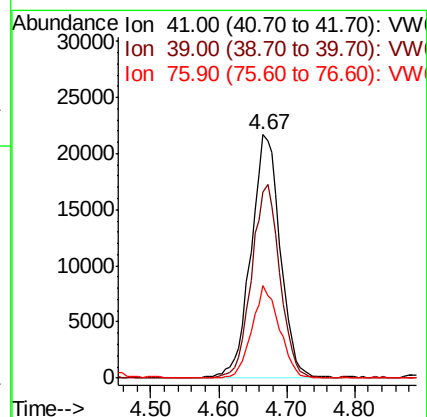
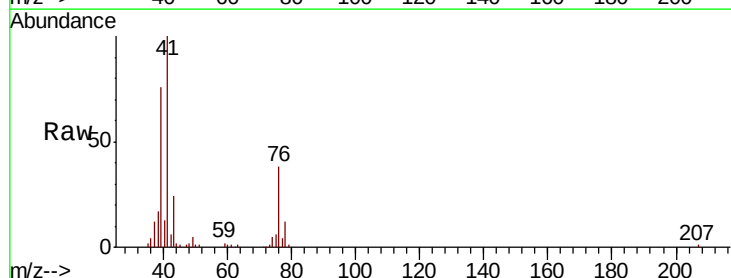
Tgt Ion: 41 Resp: 65031

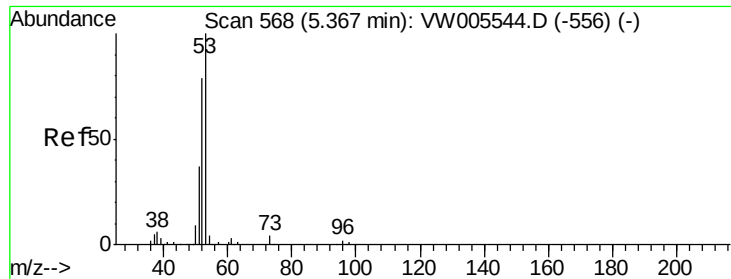
Ion Ratio Lower Upper

41 100

39 76.8 59.6 89.4

76 35.4 27.7 41.5





#15

Acrylonitrile

Concen: 86.253 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

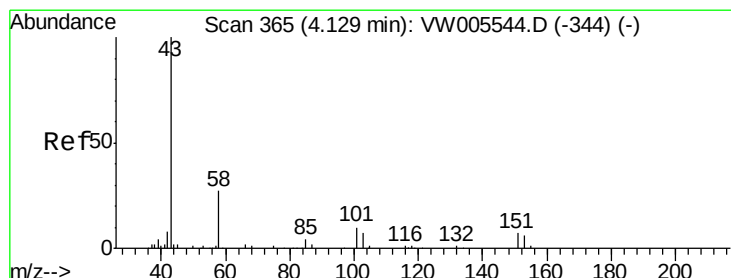
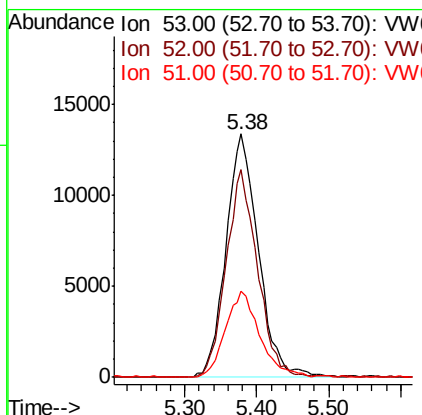
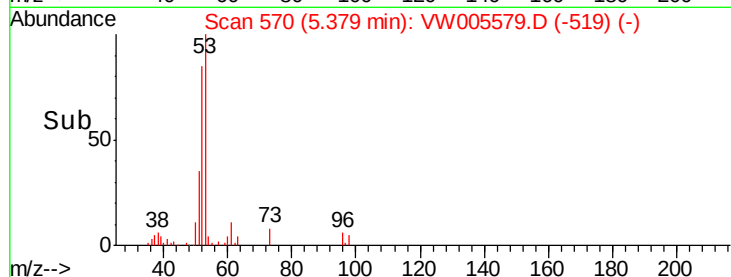
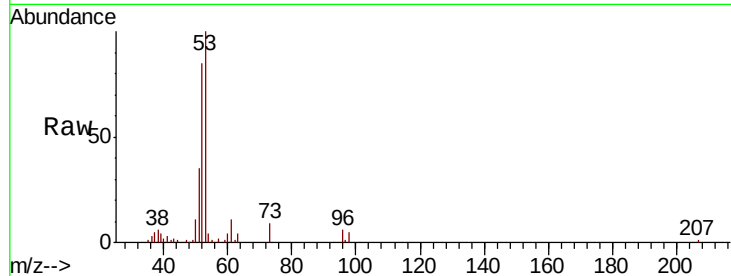
ClientSampleId :

VW0924SBSD01

Tot Ion:	53	Resp:	41776
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.5	99.7
51	37.4	30.6	46.0

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#16

Acetone

Concen: 100.608 ug/l

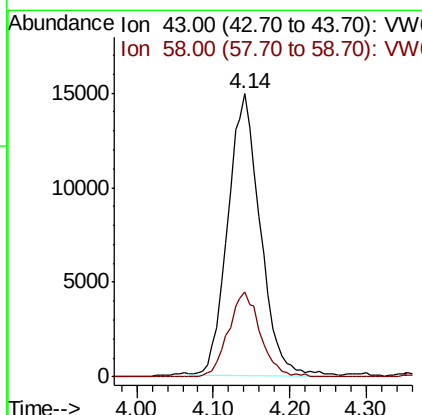
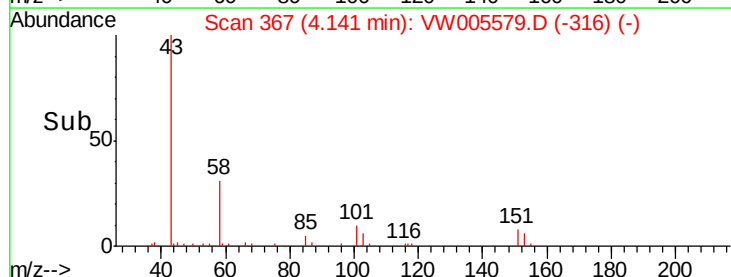
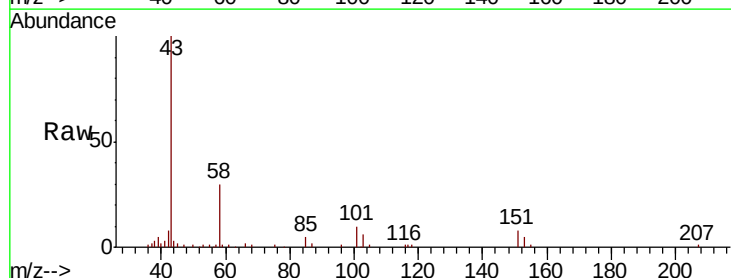
RT: 4.14 min Scan# 367

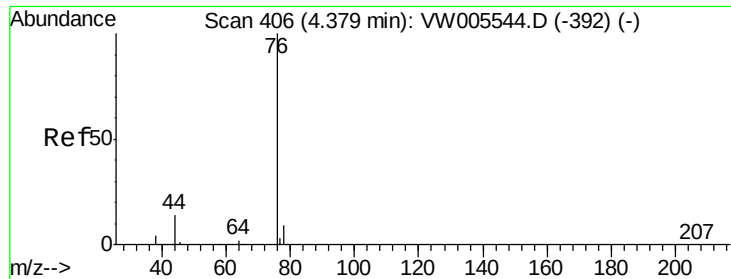
Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:	43	Resp:	43725
Ion	Ratio	Lower	Upper
43	100		
58	30.4	21.8	32.8





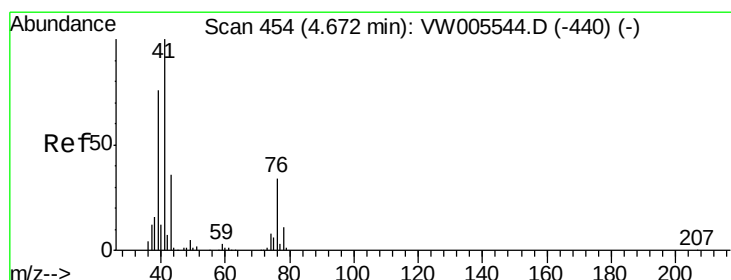
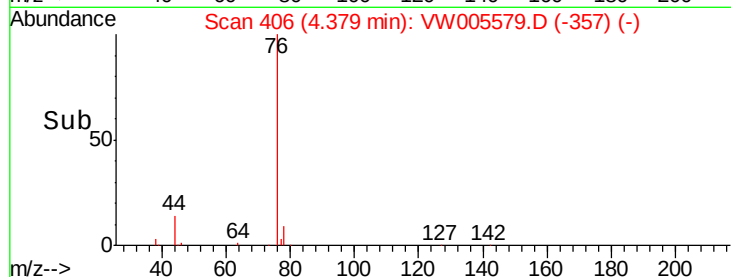
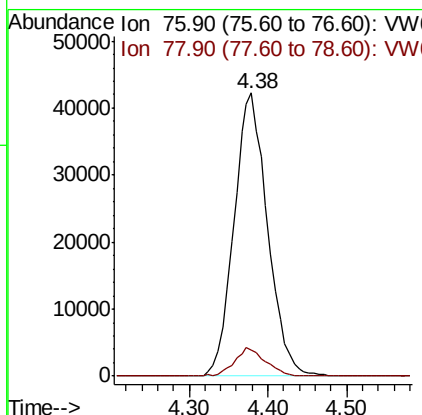
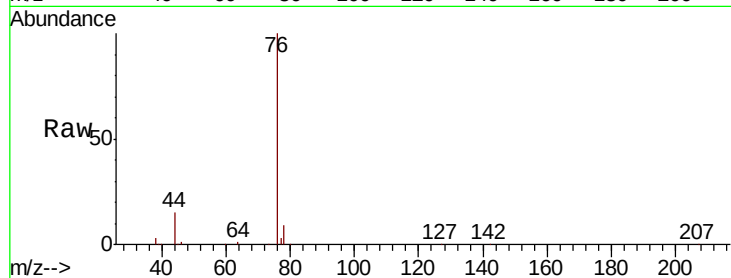
#17
Carbon Disulfide
Concen: 19.713 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

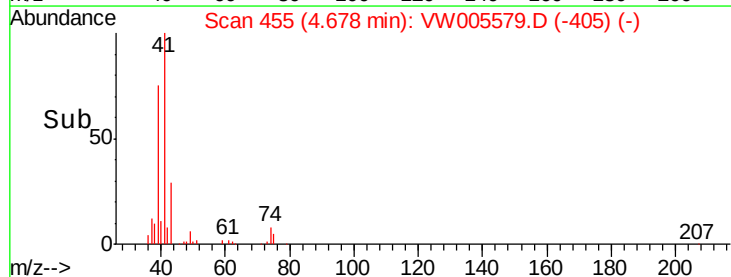
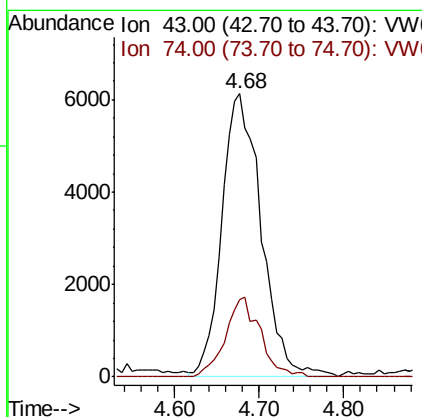
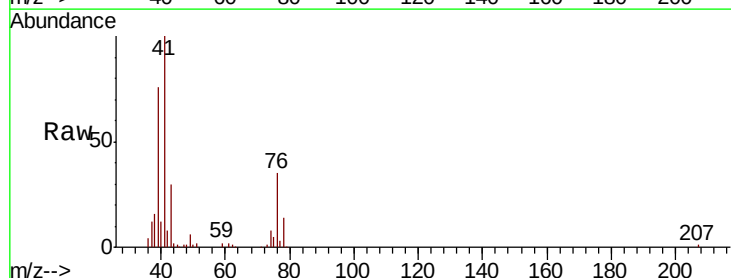
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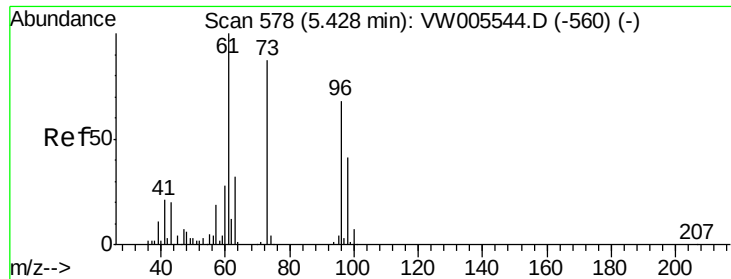
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#18
Methyl Acetate
Concen: 15.729 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





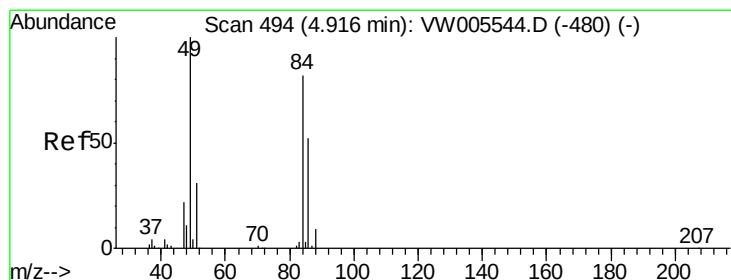
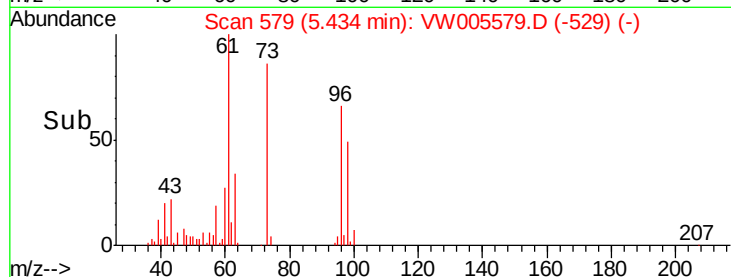
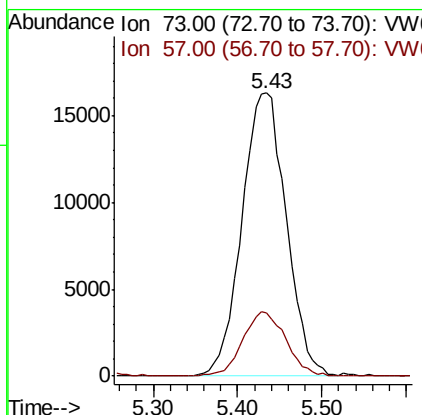
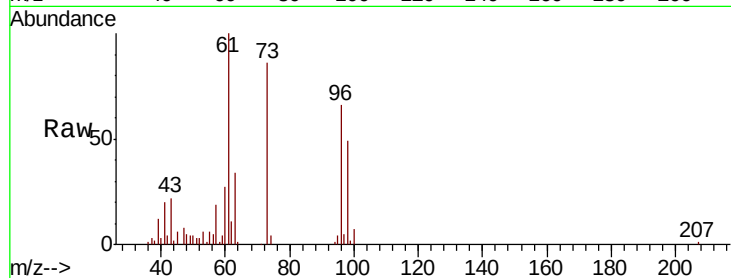
#19
Methyl tert-butyl Ether
Concen: 18.673 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampled :
VW0924SBSD01

Tot Ion	73	Resp	58331
Ion Ratio	Lower	Upper	
73	100		
57	22.2	17.6	26.4

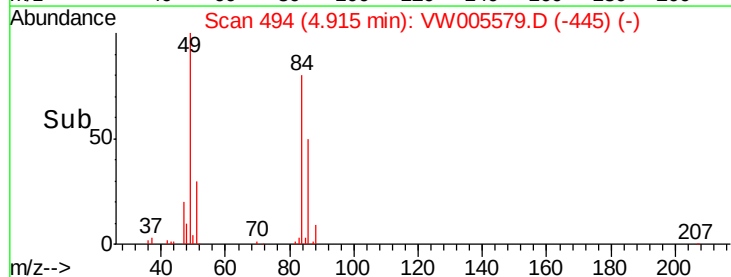
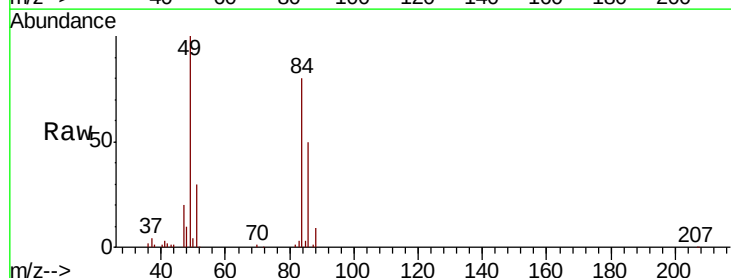
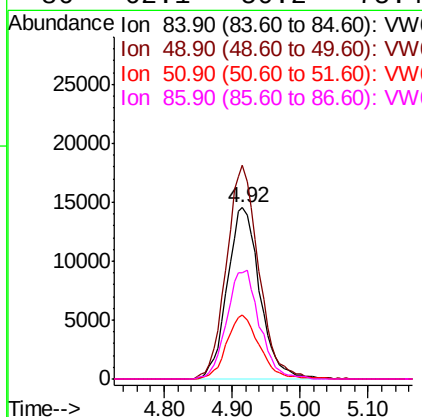
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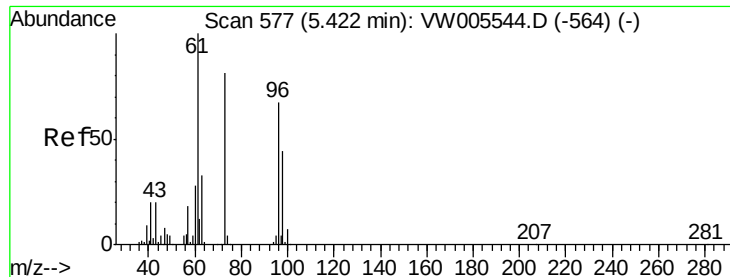
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#20
Methylene Chloride
Concen: 19.399 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	84	Resp	48304
Ion Ratio	Lower	Upper	
84	100		
49	124.6	97.0	145.6
51	37.3	30.2	45.2
86	62.1	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 19.072 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

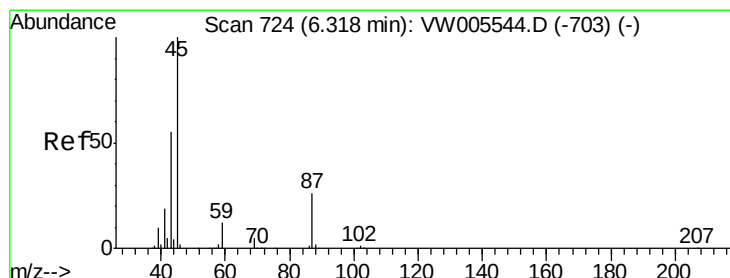
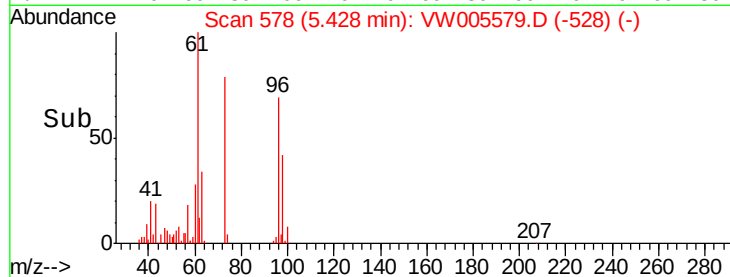
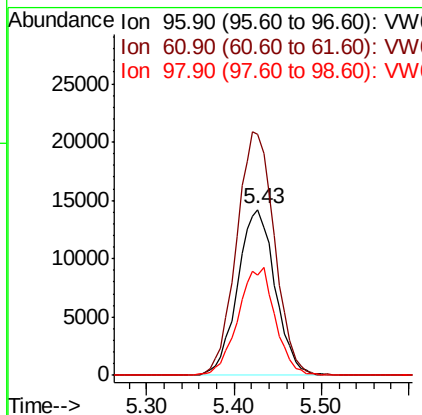
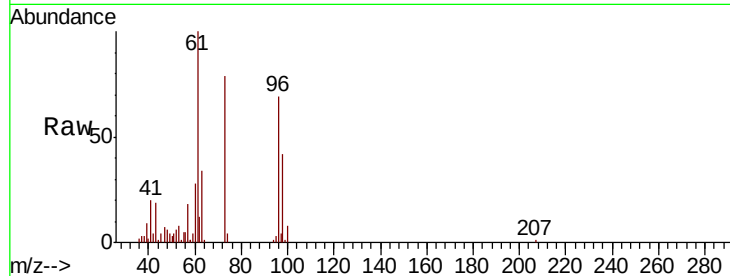
ClientSampleId :

VW0924SBSD01

Tot Ion:	96	Resp:	42275
Ion	Ratio	Lower	Upper
96	100		
61	145.6	118.9	178.3
98	60.6	52.1	78.1

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#22

Diisopropyl ether

Concen: 18.268 ug/l

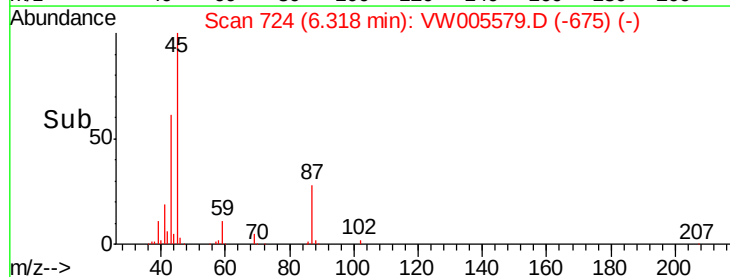
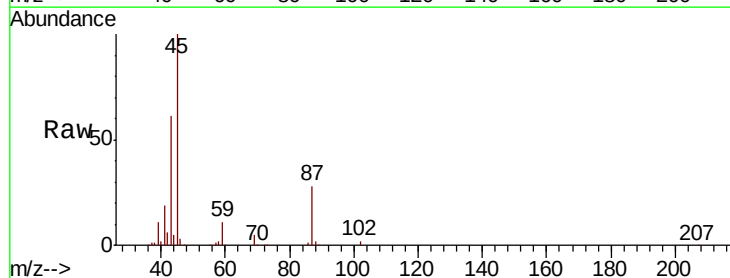
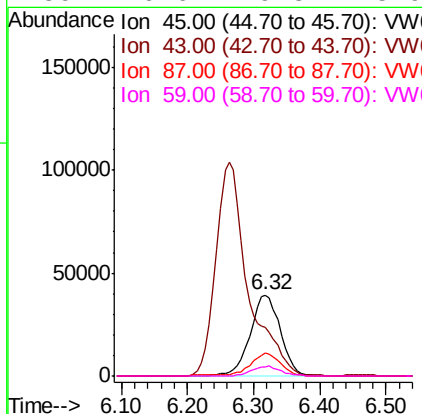
RT: 6.32 min Scan# 724

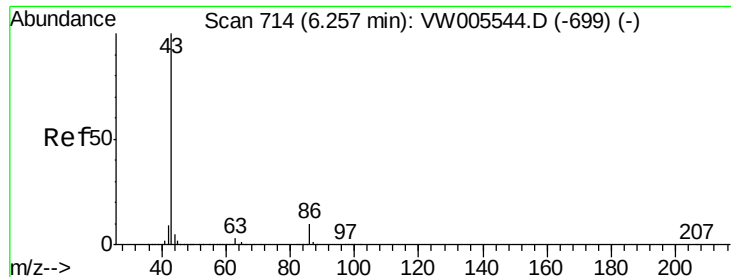
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:	45	Resp:	125255
Ion	Ratio	Lower	Upper
45	100		
43	60.0	44.2	66.4
87	28.1	21.4	32.2
59	10.6	9.3	13.9





#23

Vinyl Acetate

Concen: 89.468 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 43 Resp: 350614

Ion Ratio Lower Upper

43 100

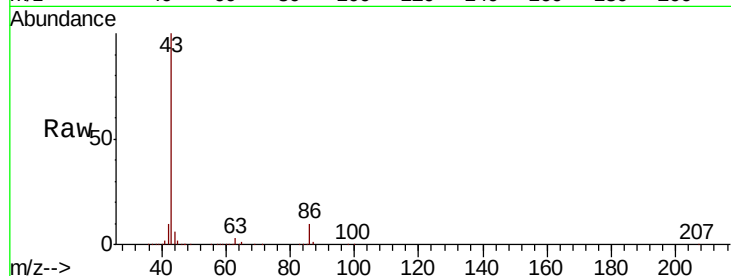
86 10.3 7.7 11.5

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

120000

100000

80000

60000

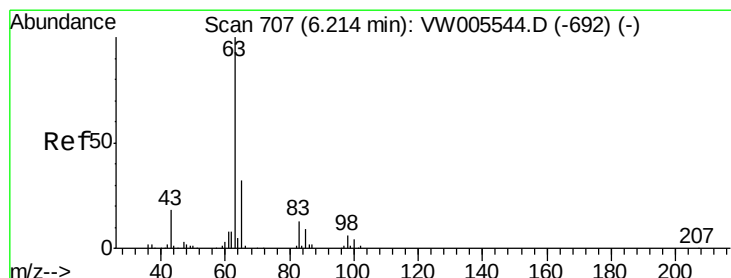
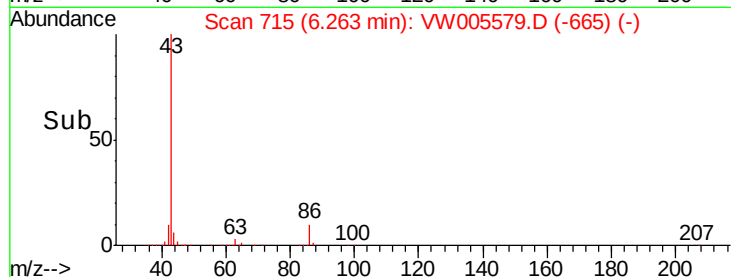
40000

20000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 18.937 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

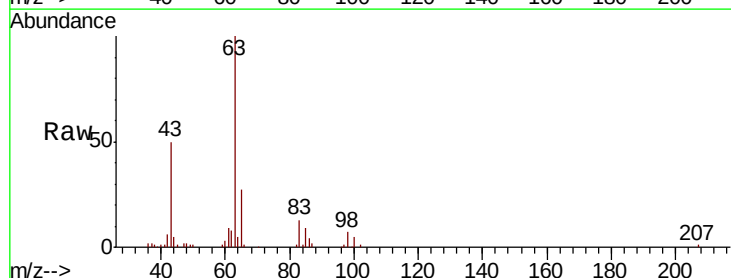
Tgt Ion: 63 Resp: 80221

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

100 4.6 2.1 6.2



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

30000

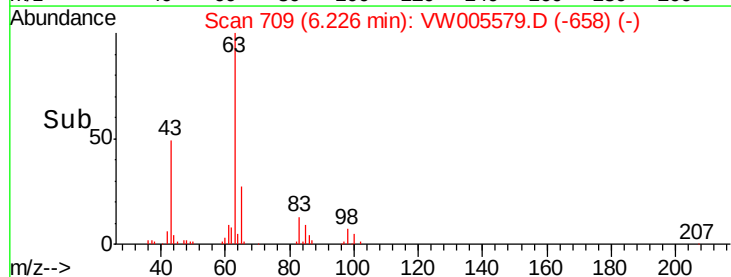
20000

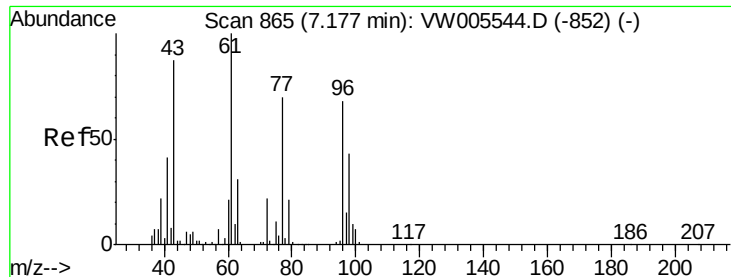
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 83.263 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampled :

VW0924SBSD01

Tot Ion: 43 Resp: 52939

Ion Ratio Lower Upper

43 100

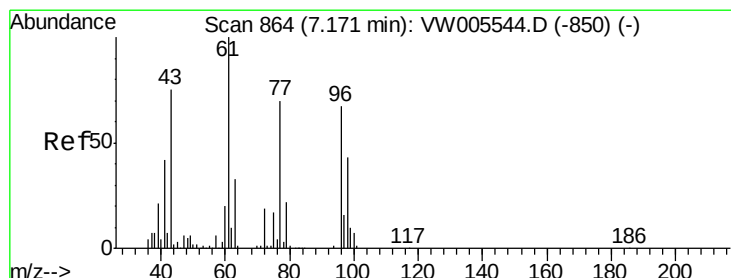
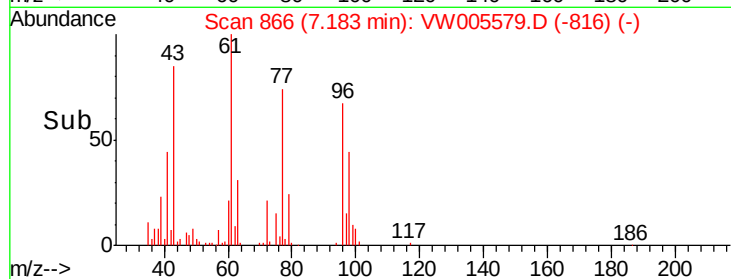
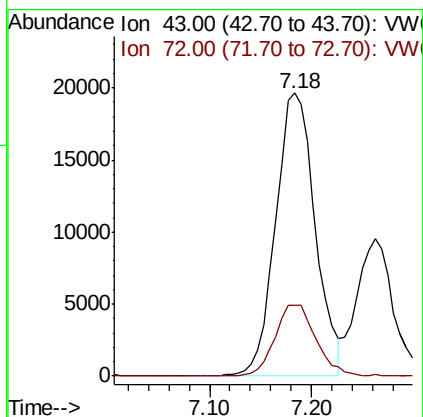
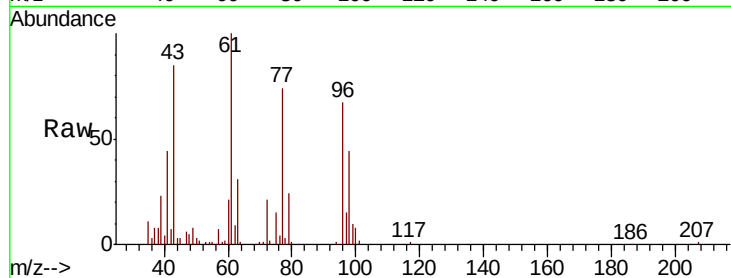
72 25.0 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.176 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005579.D

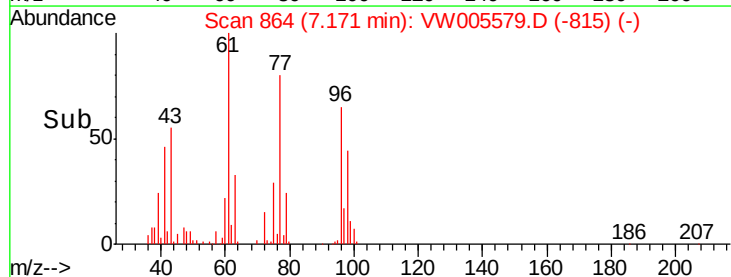
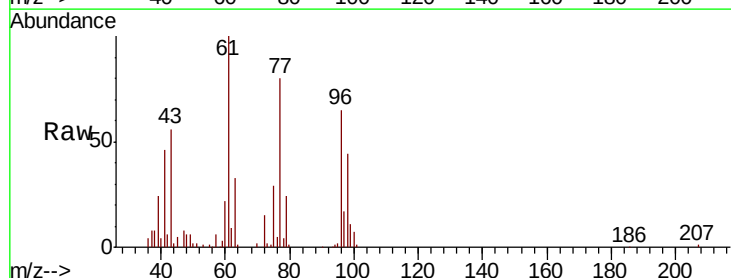
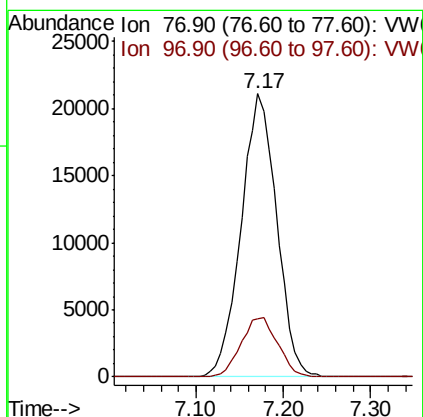
Acq: 24 Sep 2018 12:47

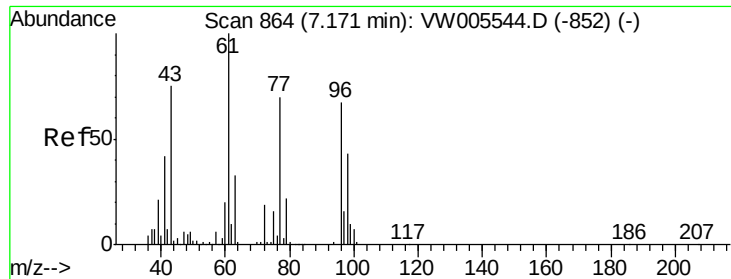
Tgt Ion: 77 Resp: 59668

Ion Ratio Lower Upper

77 100

97 21.6 11.0 33.0





#27

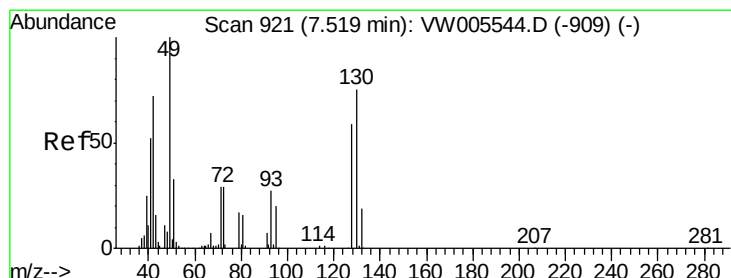
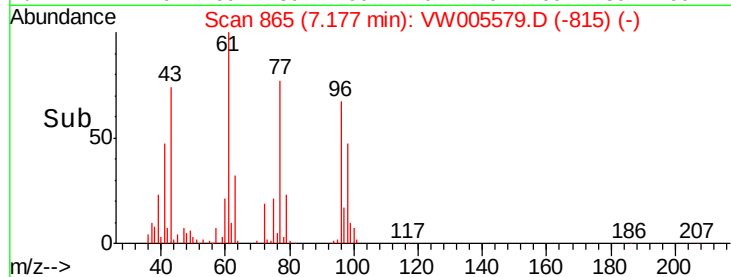
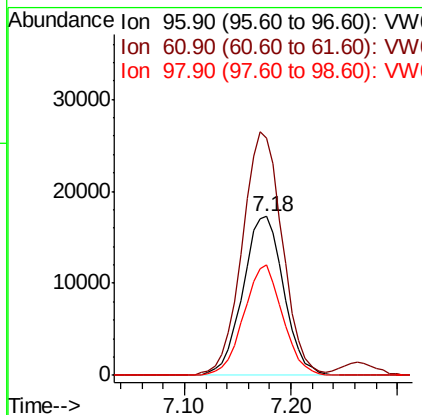
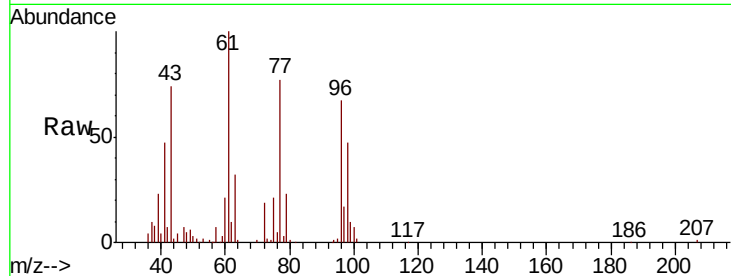
cis-1,2-Dichloroethene
Concen: 18.996 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampled :
VW0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46443		
61	150.6	0.0	303.4	
98	66.0	0.0	127.2	

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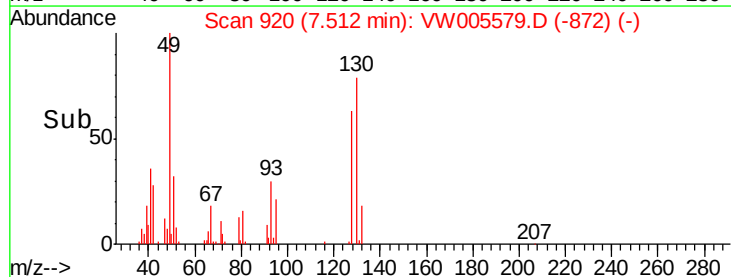
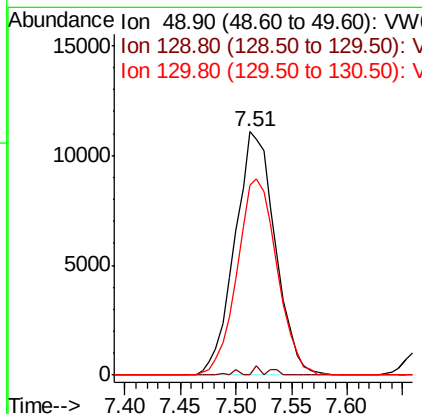
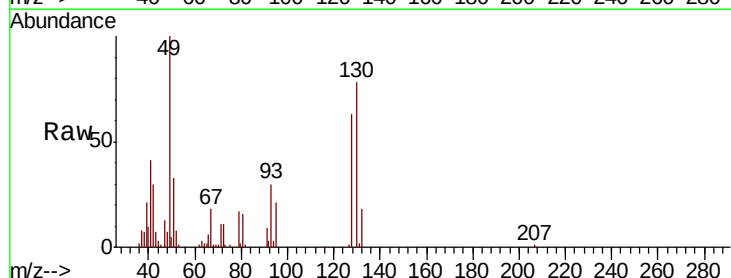
apatel
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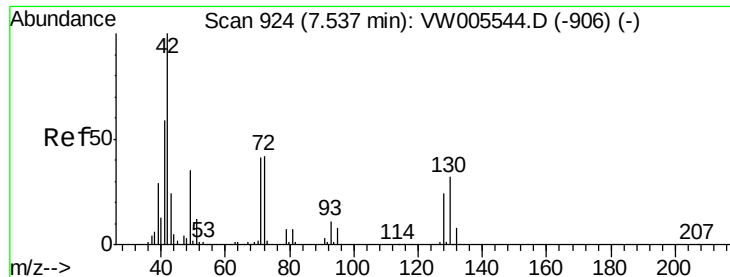


#28

Bromochloromethane
Concen: 16.610 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27871		
129	0.6	0.0	1.4	
130	80.0	61.3	91.9	





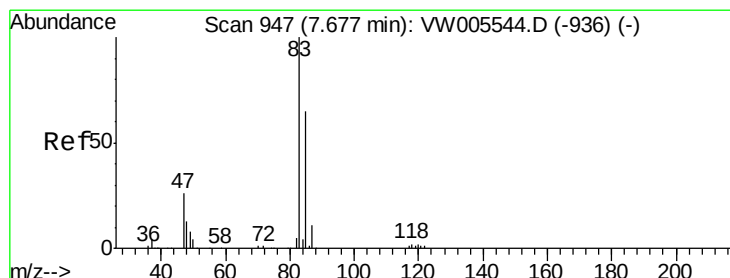
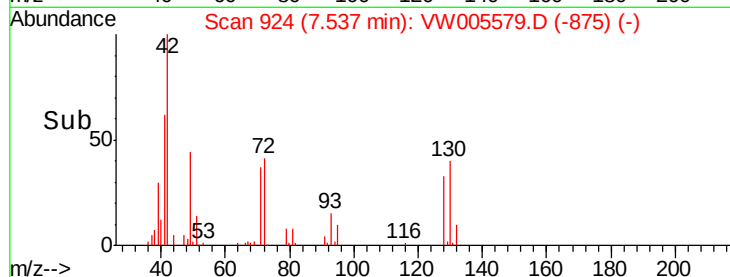
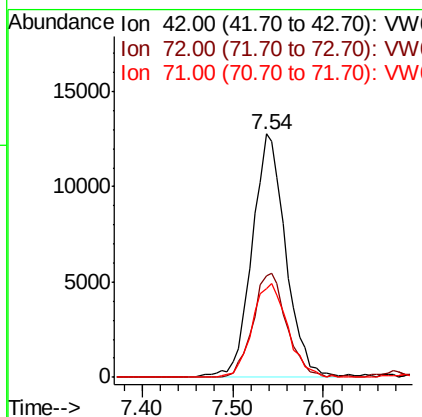
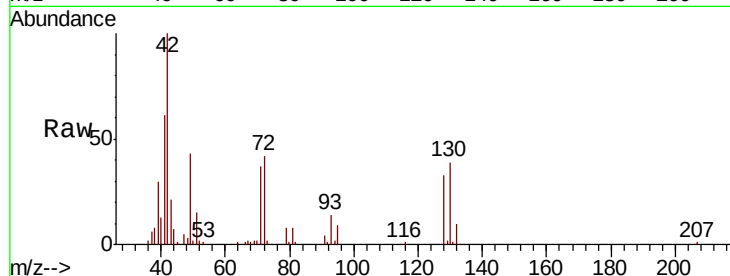
#29
Tetrahydrofuran
Concen: 82.478 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.6	50.4
71	40.7	31.8	47.6

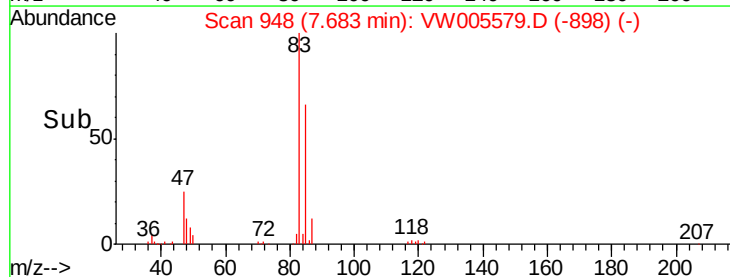
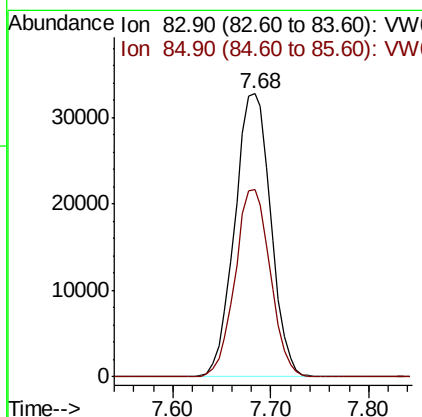
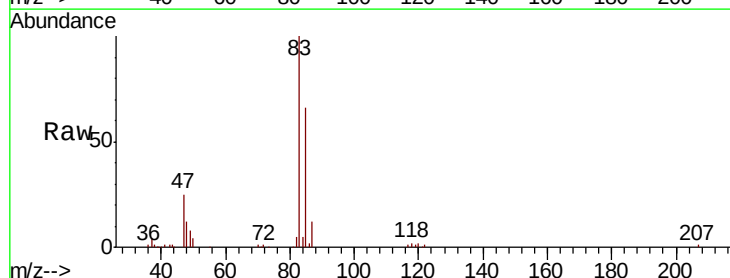
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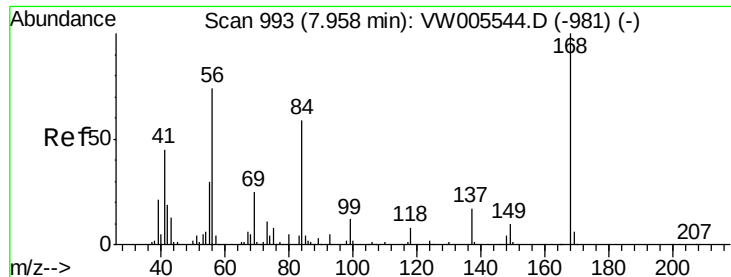
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#30
Chloroform
Concen: 19.118 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.6





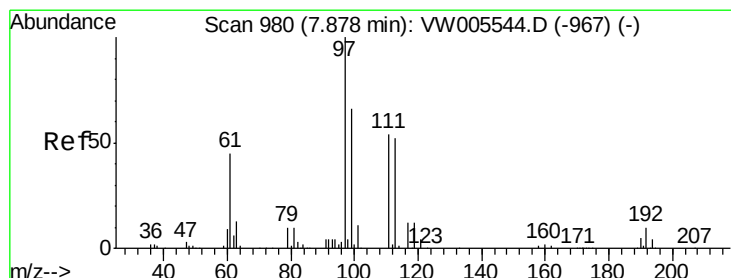
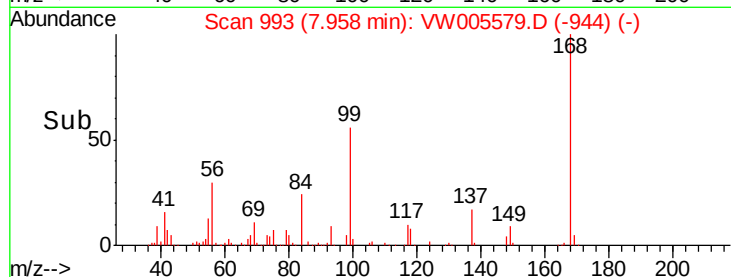
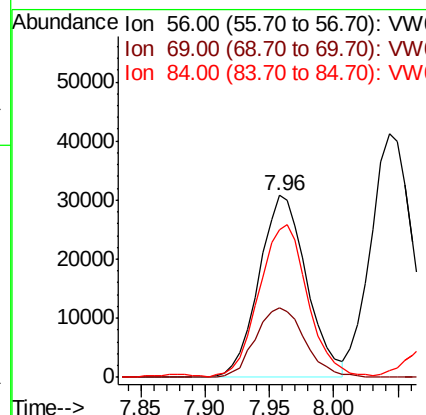
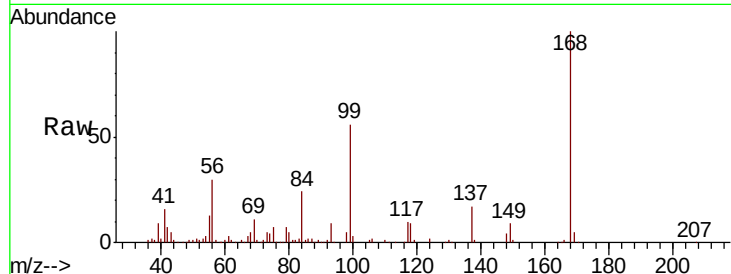
#31
Cyclohexane
Concen: 19.505 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampled :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	27.0	40.4
84	79.8	64.2	96.4

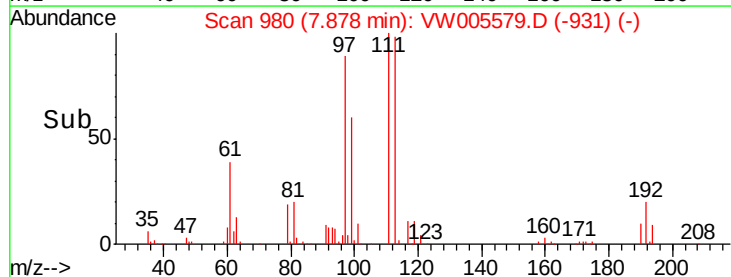
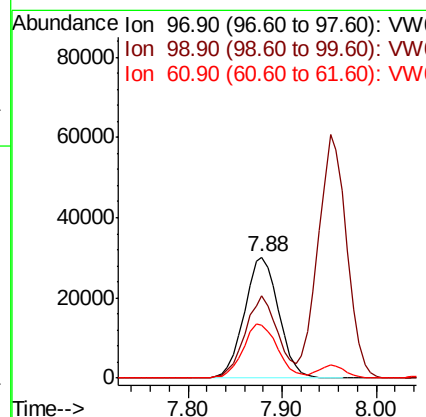
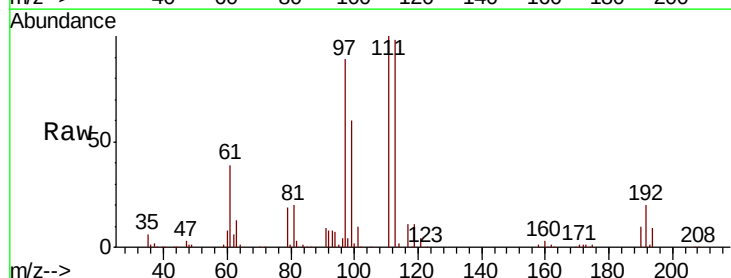
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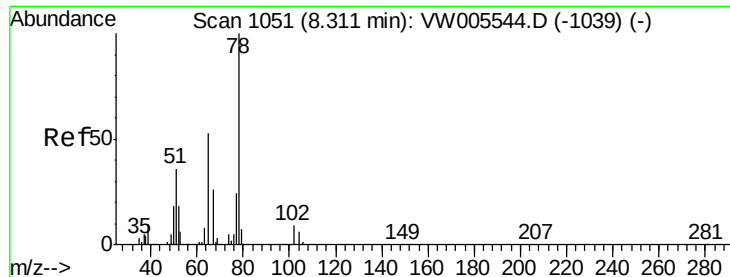
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#32
1,1,1-Trichloroethane
Concen: 19.862 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.0	76.6
61	45.1	36.2	54.2





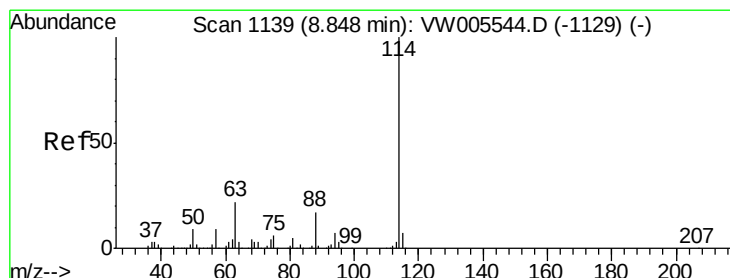
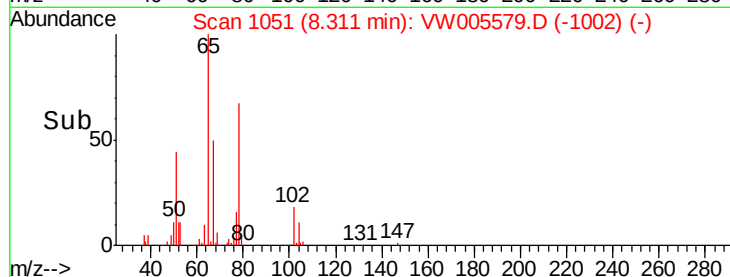
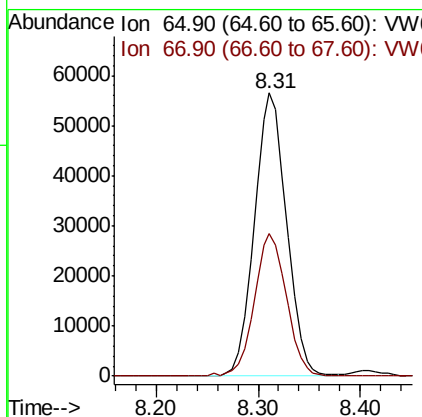
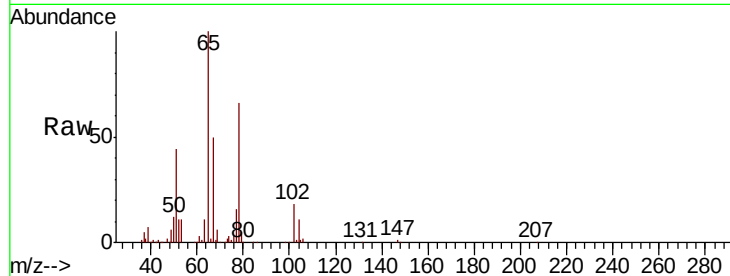
#33
 1,2-Dichloroethane-d4
 Concen: 47.208 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	123583		
67	50.3	0.0	100.6	

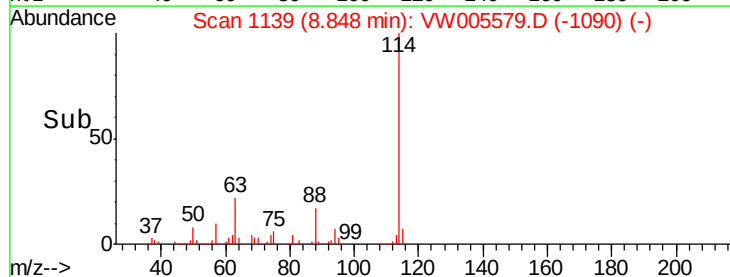
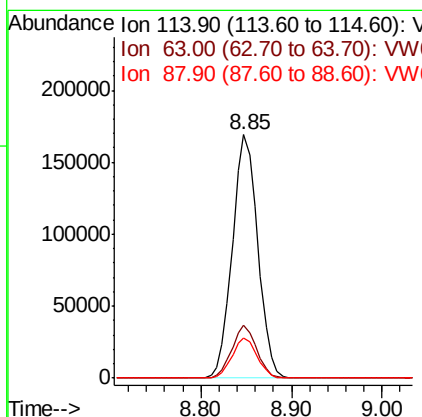
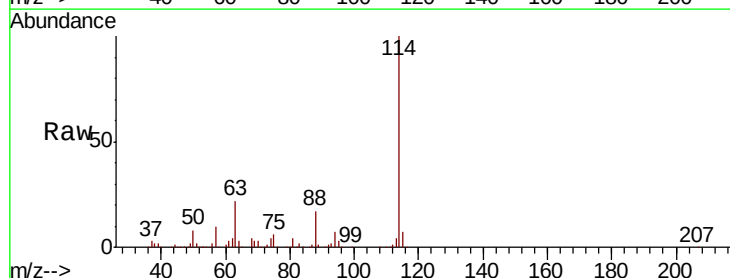
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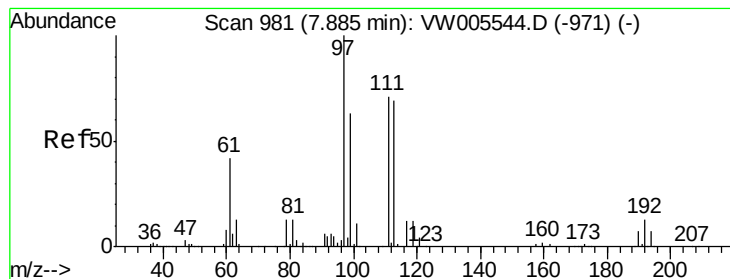
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	328389		
63	21.6	0.0	43.0	
88	16.7	0.0	33.0	





#35

Dibromofluoromethane

Concen: 50.573 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

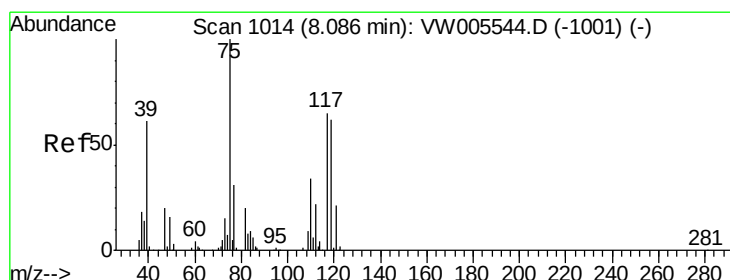
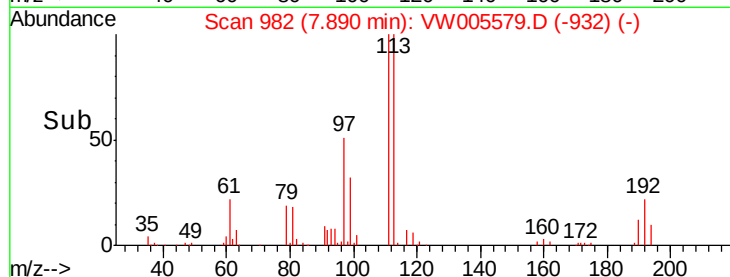
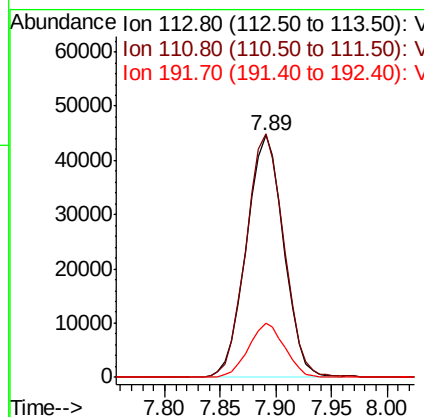
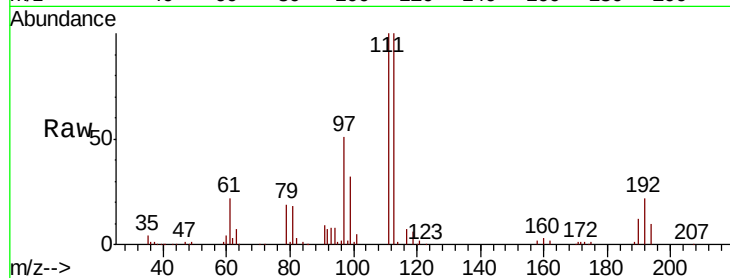
ClientSampleId :

VW0924SBSD01

Tot Ion:	113	Resp:	104438
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.6	123.8
192	21.5	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 20.469 ug/l

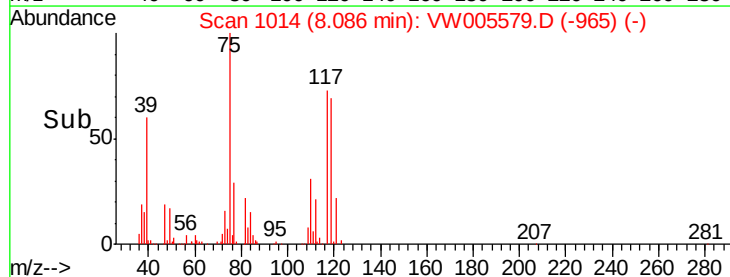
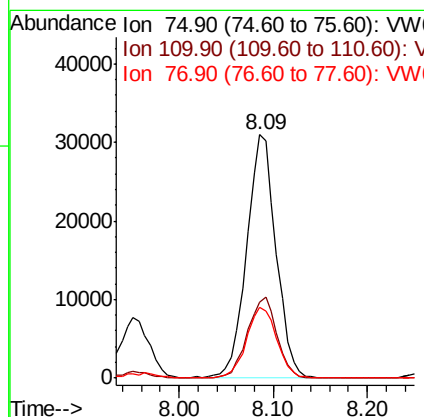
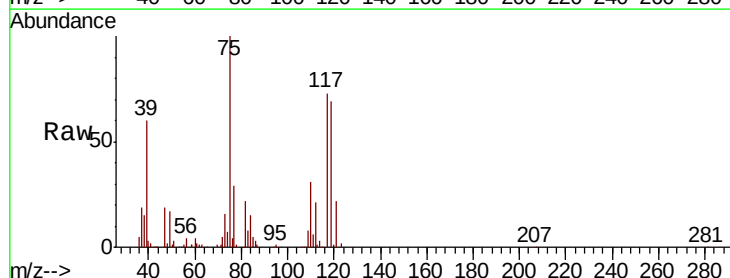
RT: 8.09 min Scan# 1014

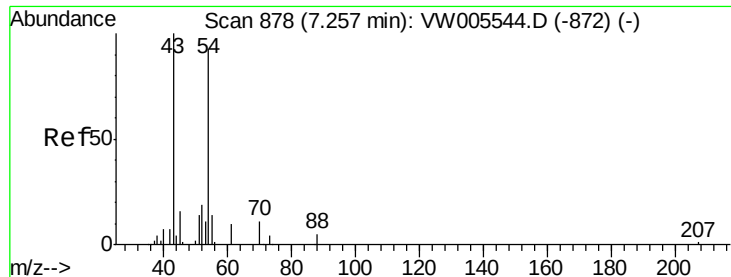
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:	75	Resp:	67664
Ion Ratio	Lower	Upper	
75	100		
110	33.4	17.0	50.9
77	30.3	24.8	37.2





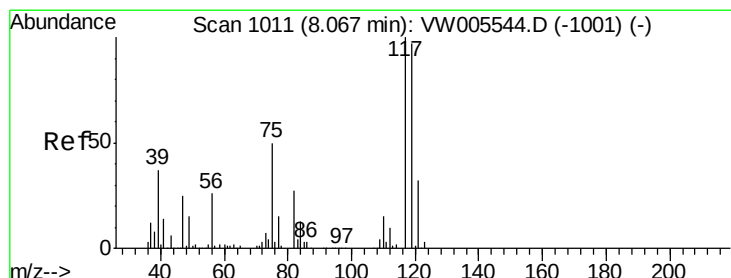
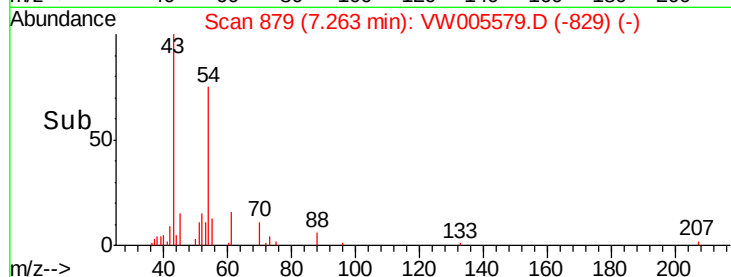
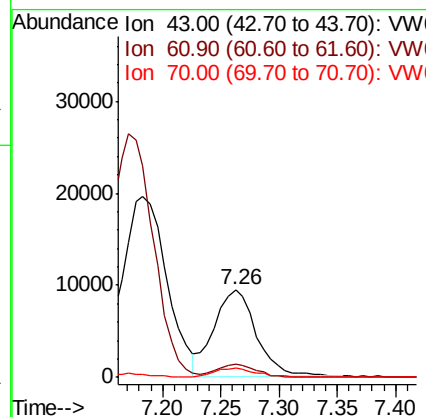
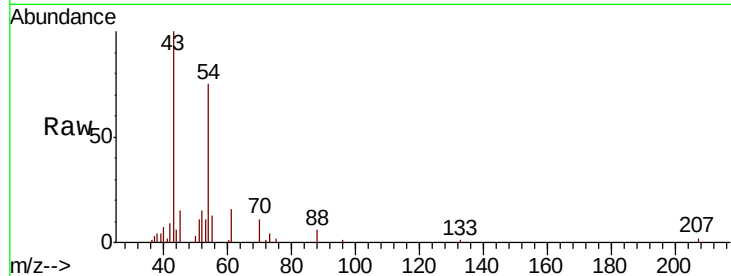
#37
Ethyl Acetate
Concen: 17.096 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampled :
VW0924SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.4	15.6
70	10.8	8.2	12.2

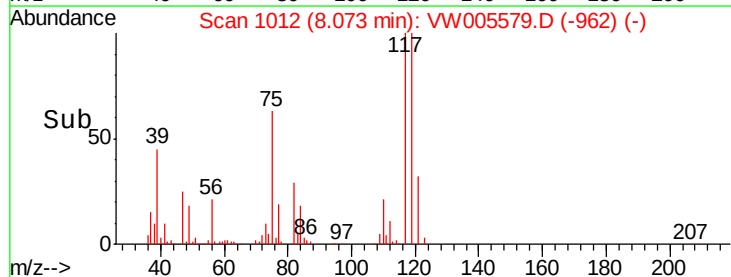
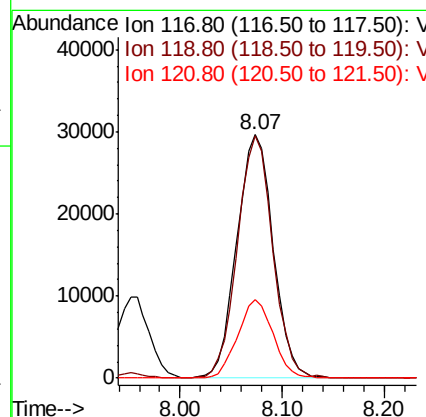
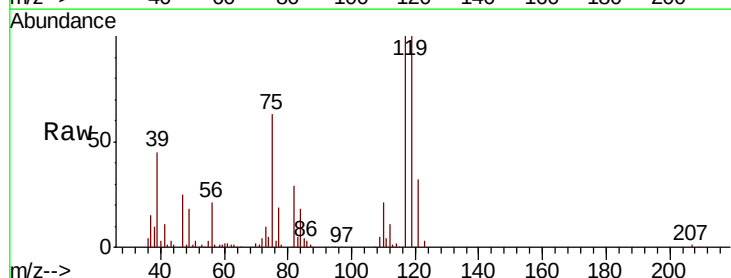
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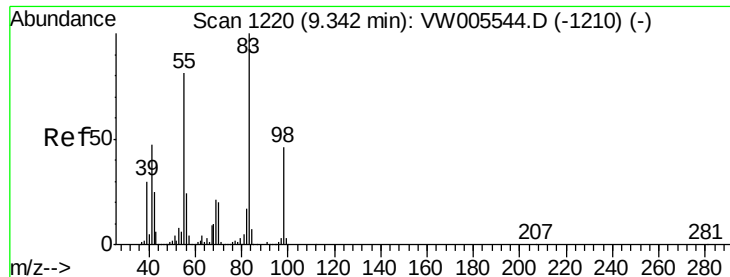
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#38
Carbon Tetrachloride
Concen: 20.686 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.6	116.4
121	32.0	25.7	38.5





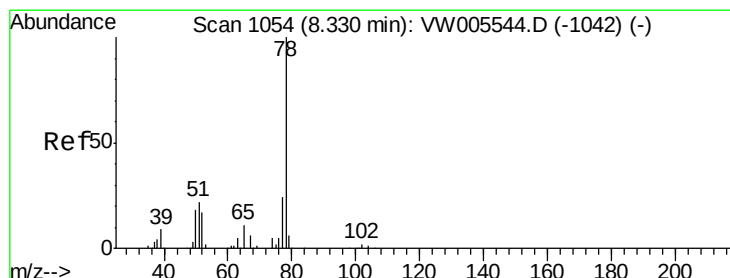
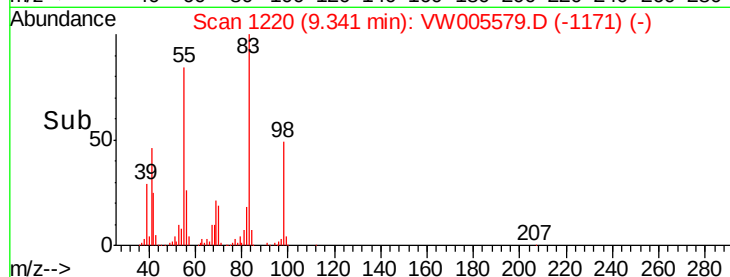
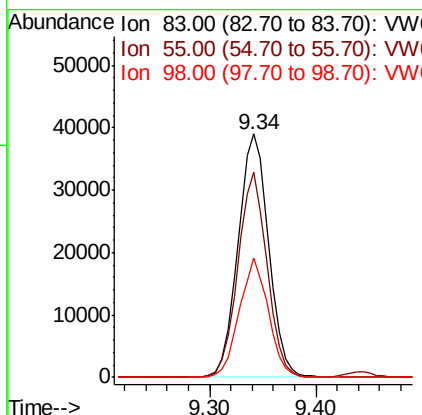
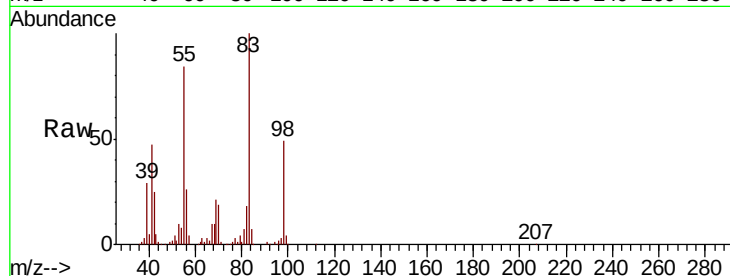
#39
Methylvlcyclohexane
Concen: 20.198 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.4	64.6	97.0
98	49.3	37.0	55.6

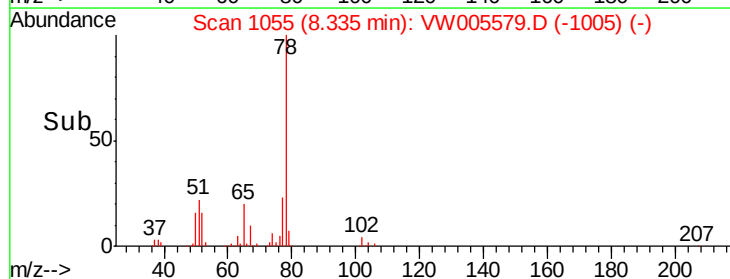
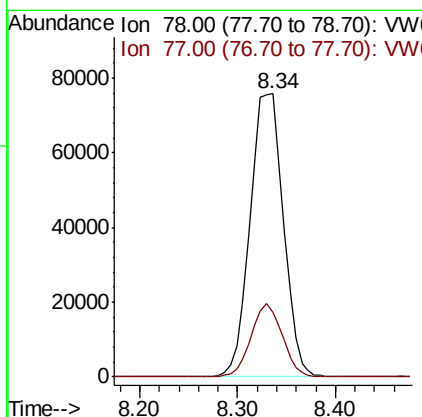
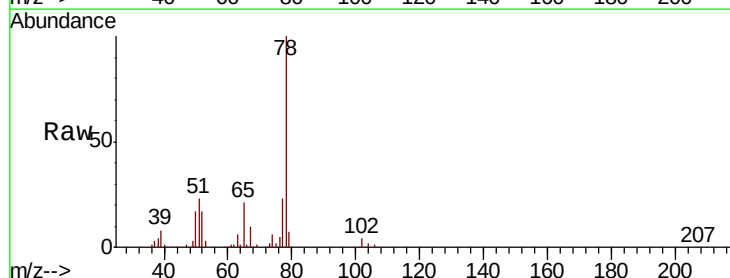
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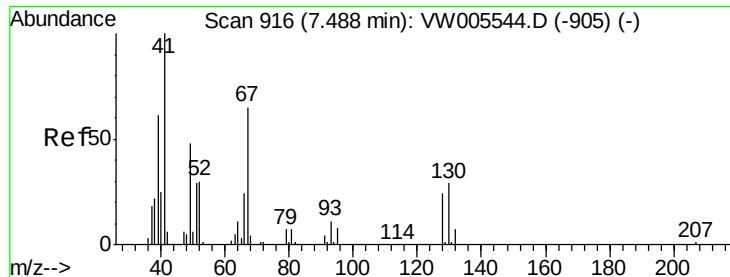
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#40
Benzene
Concen: 19.220 ug/l
RT: 8.34 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4





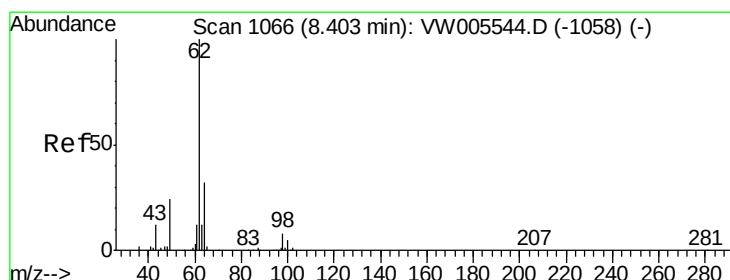
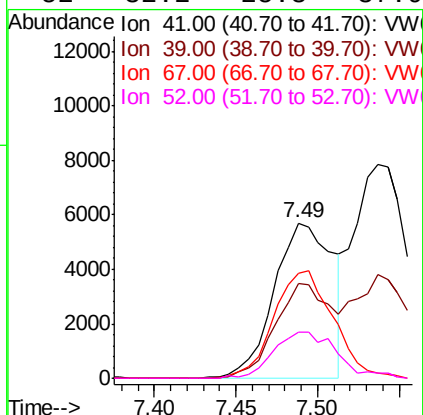
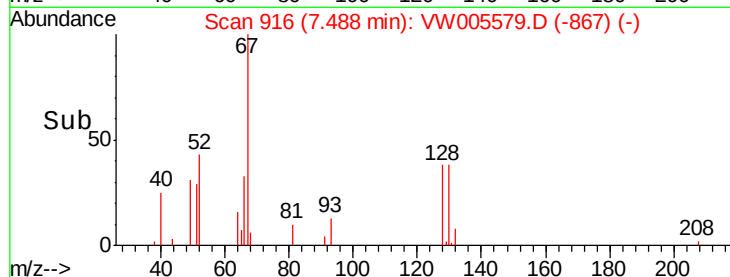
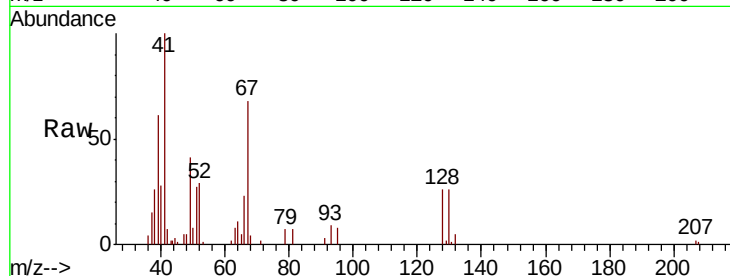
#41
Methacrylonitrile
Concen: 18.070 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.0	45.4	68.2	
67	69.6	55.2	82.8	
52	32.2	25.3	37.9	

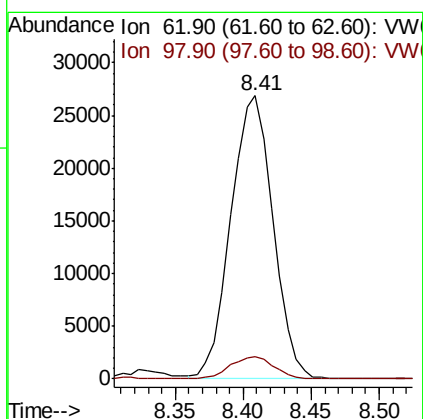
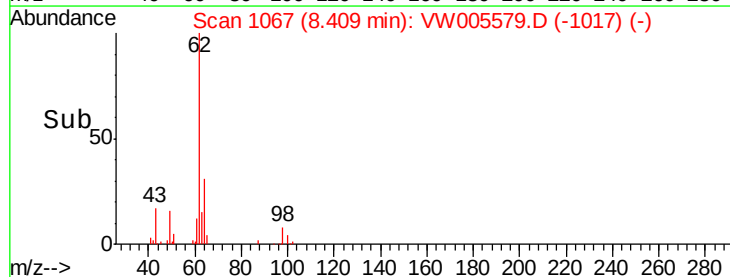
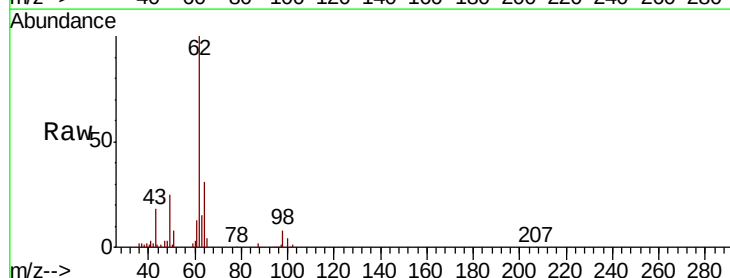
Manual Integrations
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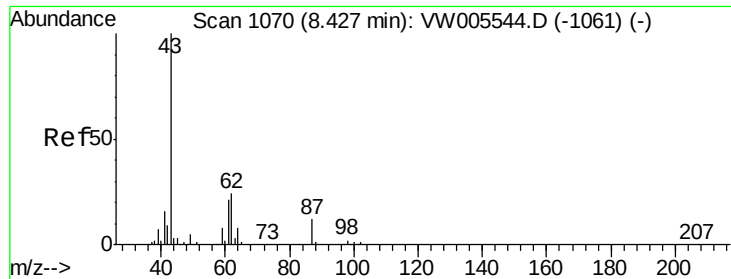
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#42
1,2-Dichloroethane
Concen: 19.420 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	15.6	





#43

Isopropyl Acetate

Concen: 16.897 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

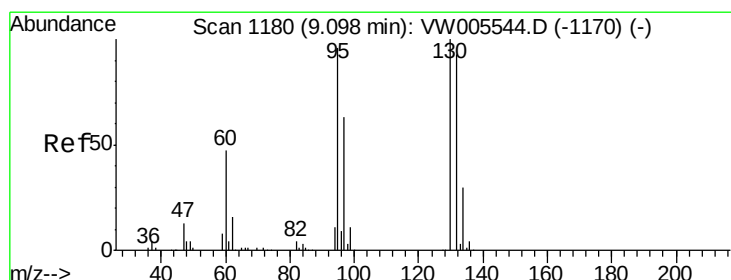
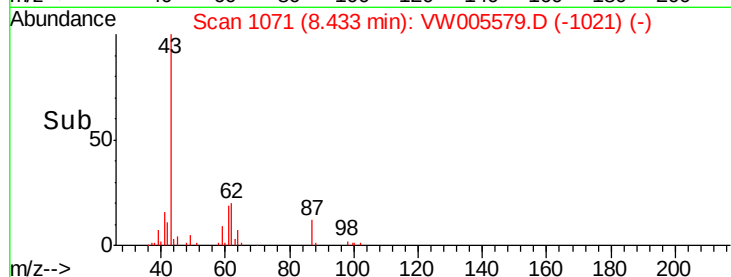
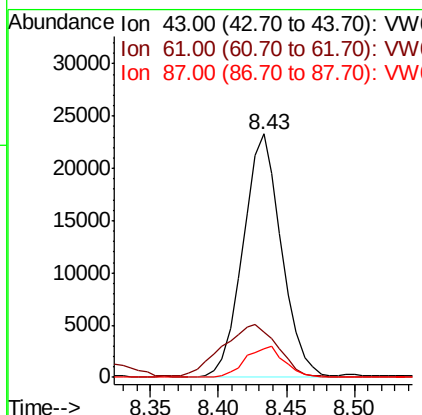
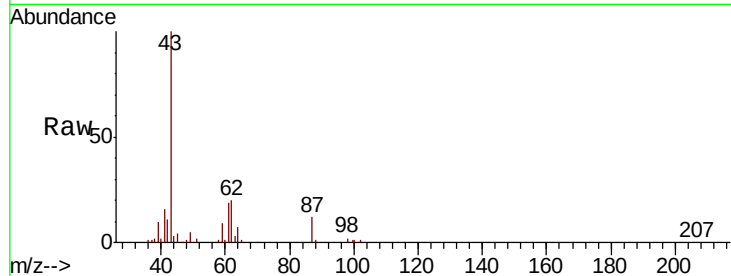
ClientSampleId :

VW0924SBSD01

Tot Ion:	43	Resp:	46215
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.1	36.1
87	12.9	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 20.010 ug/l

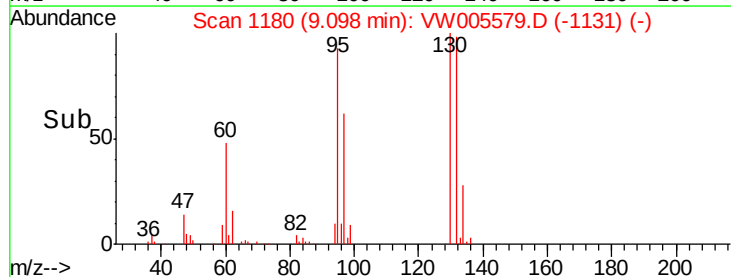
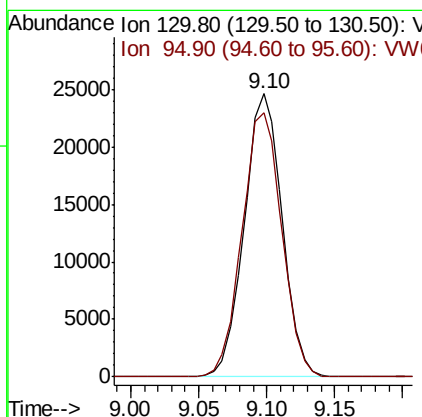
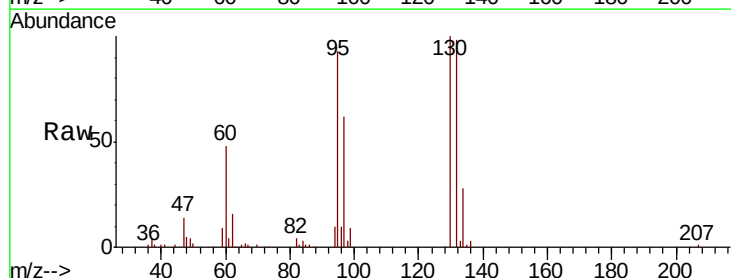
RT: 9.10 min Scan# 1180

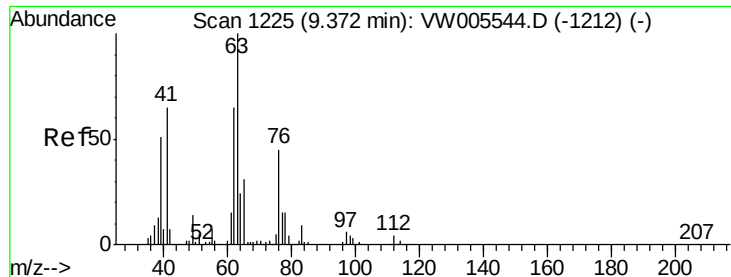
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:	130	Resp:	47973
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	191.2





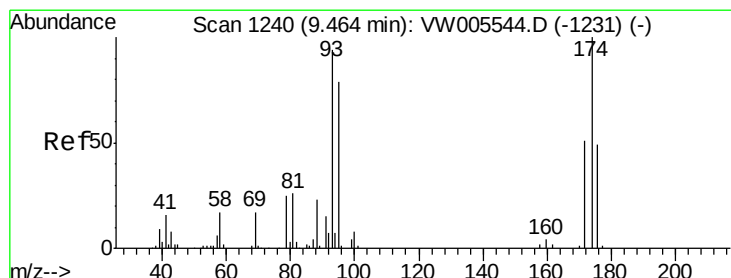
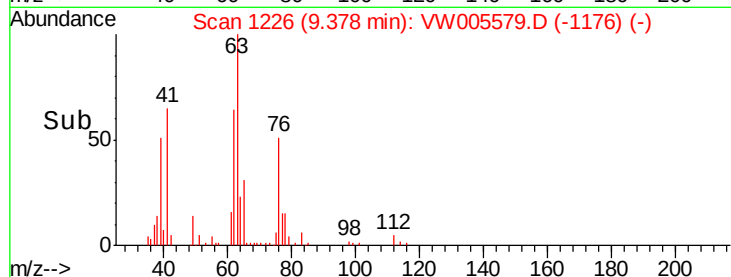
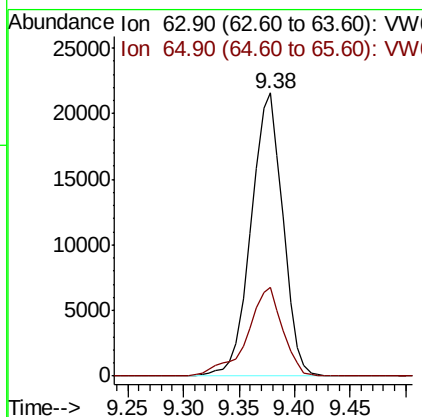
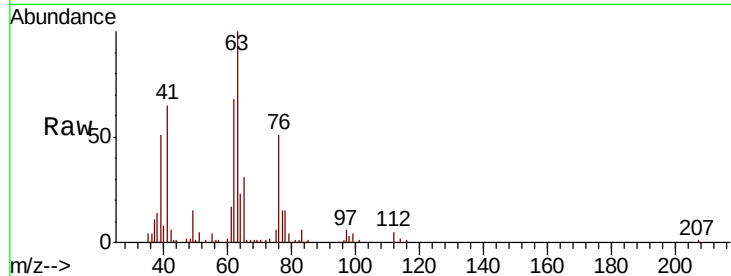
#45
 1,2-Dichloropropane
 Concen: 18.640 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0924SBSD01

Tot Ion: 63 Resp: 42953
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1

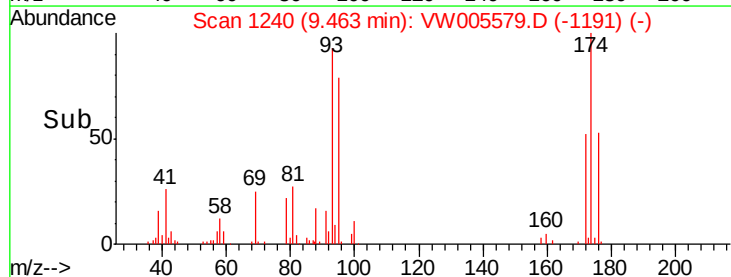
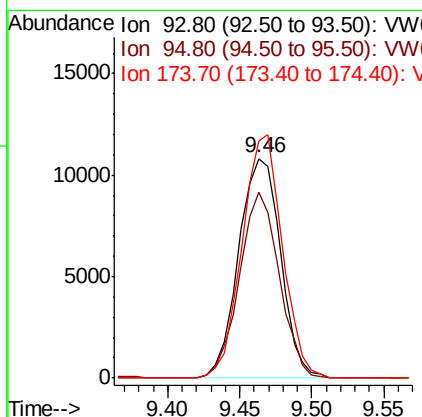
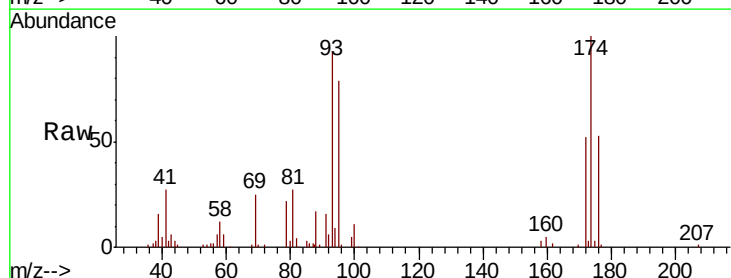
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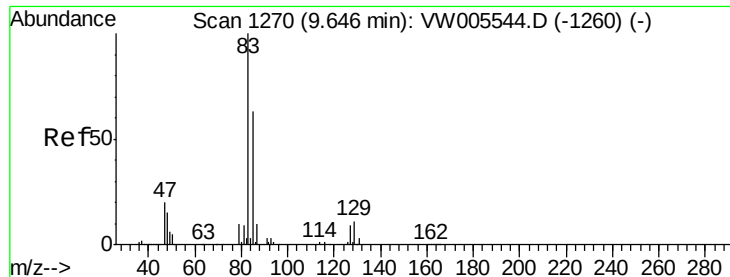
apatel
 9/25/2018 11:55:17 AM



#46
 Dibromomethane
 Concen: 18.940 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion: 93 Resp: 21807
 Ion Ratio Lower Upper
 93 100
 95 80.4 65.8 98.8
 174 106.2 84.0 126.0





#47

Bromodichloromethane

Concen: 19.207 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

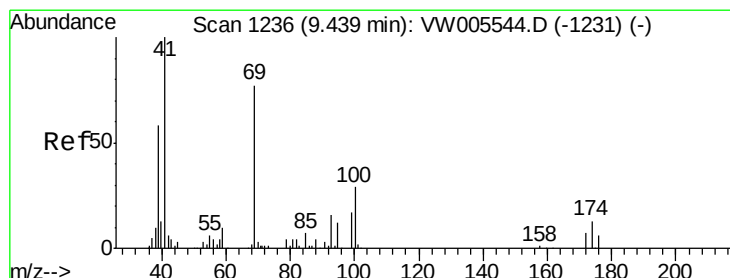
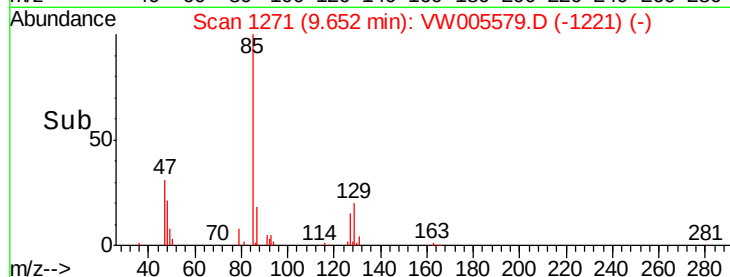
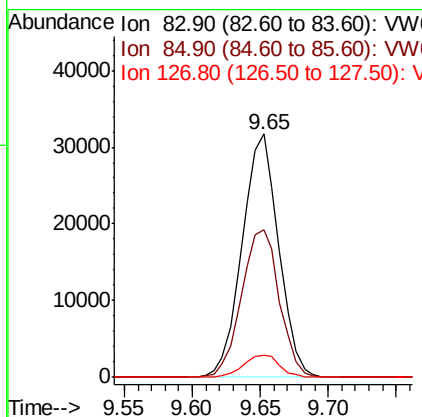
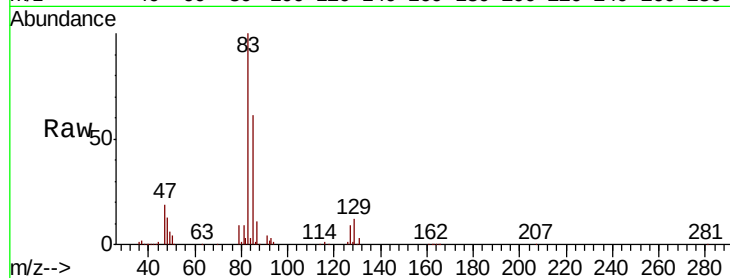
ClientSampleId :

VW0924SBSD01

Tot Ion:	83	Resp:	59405
Ion	Ratio	Lower	Upper
83	100		
85	60.7	50.5	75.7
127	9.0	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.963 ug/l

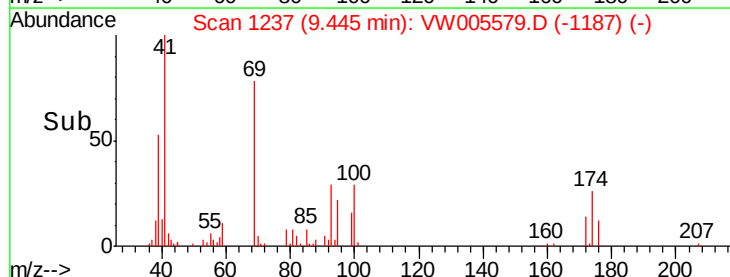
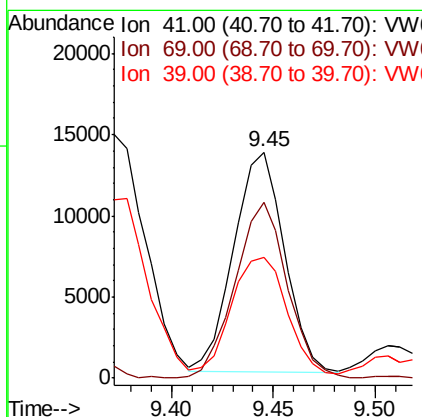
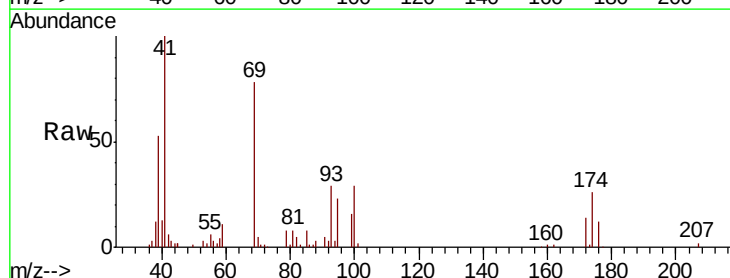
RT: 9.45 min Scan# 1237

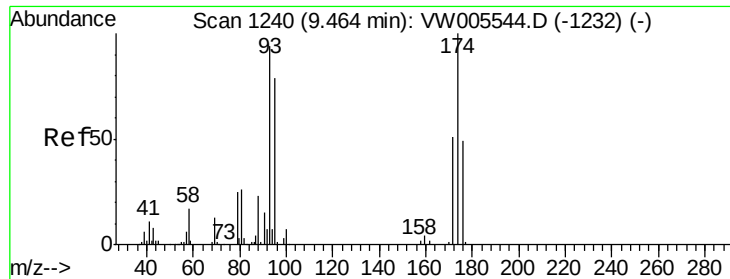
Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion:	41	Resp:	23336
Ion	Ratio	Lower	Upper
41	100		
69	82.6	64.7	97.1
39	57.7	50.5	75.7





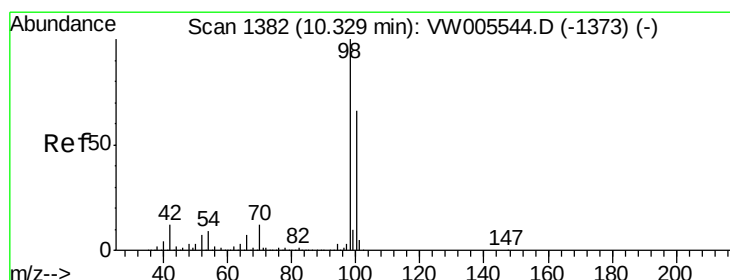
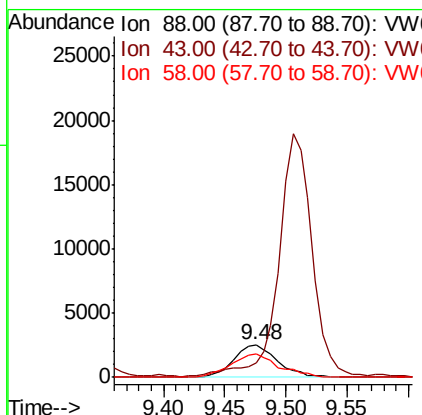
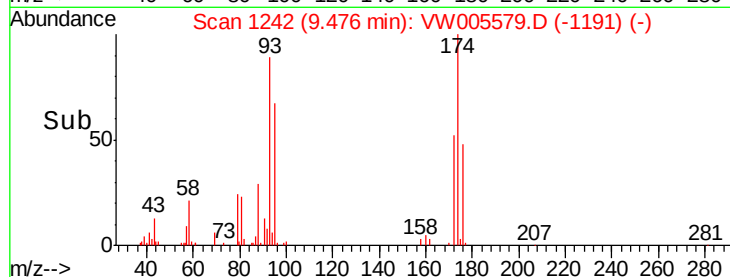
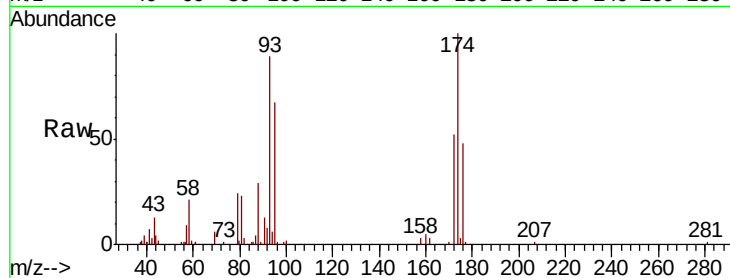
#49
 1,4-Dioxane
 Concen: 337.885 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	88	Resp	6185
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	80.5	61.2	91.8

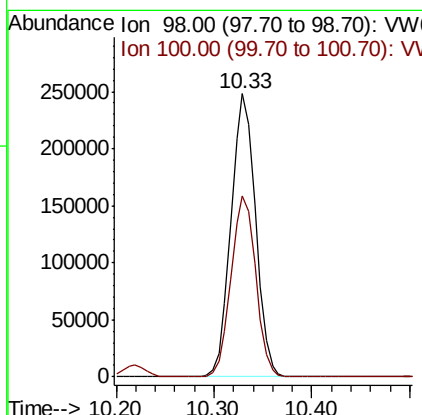
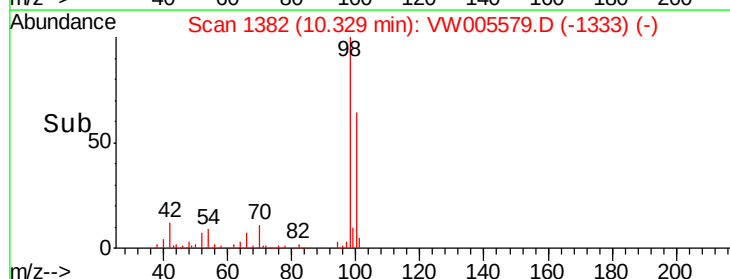
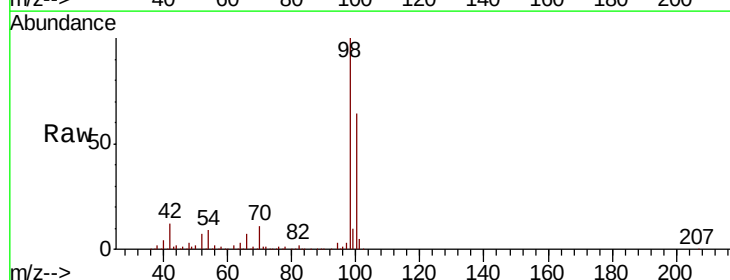
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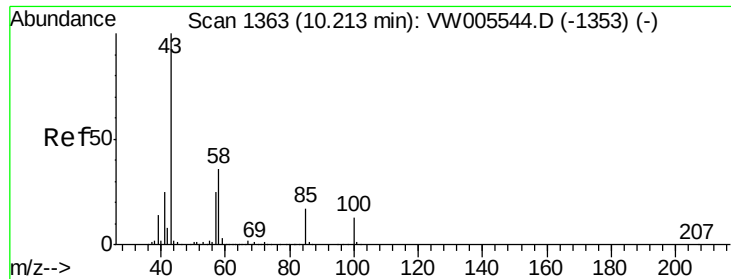
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#50
 Toluene-d8
 Concen: 51.324 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	98	Resp	431565
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





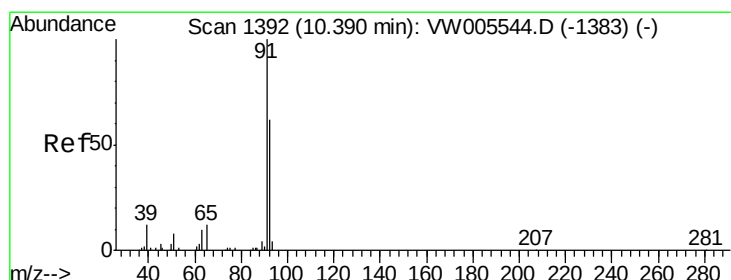
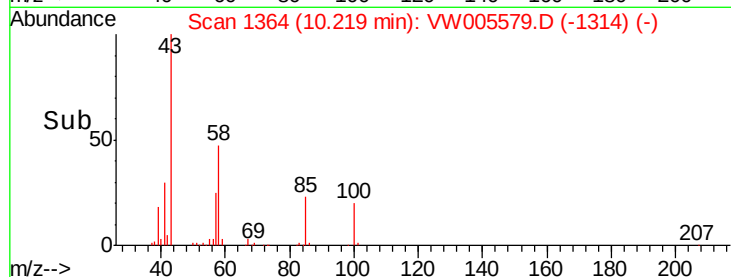
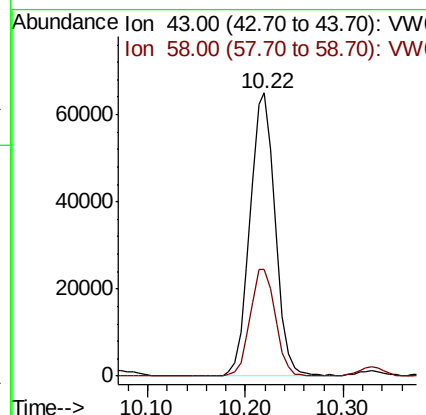
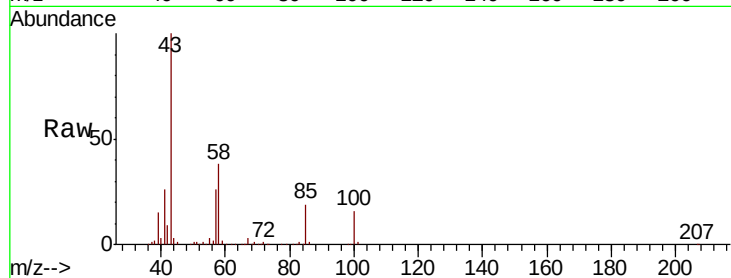
#51
 4-Methyl-2-Pentanone
 Concen: 84.350 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	43	Resp	116199
Ion Ratio	43	100	
Lower	58	37.8	30.0
Upper			45.0

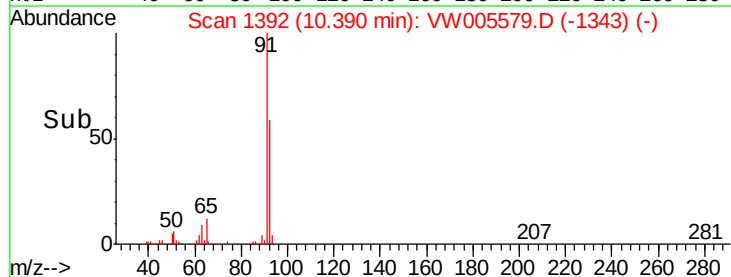
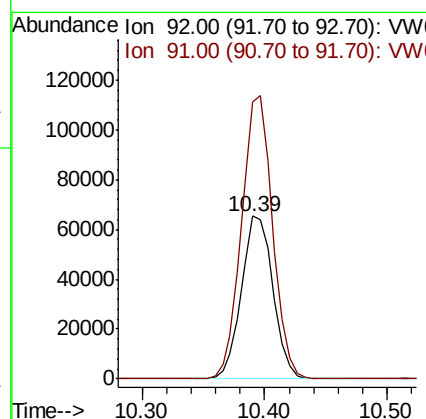
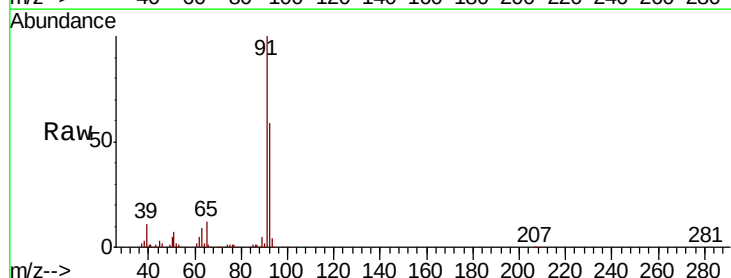
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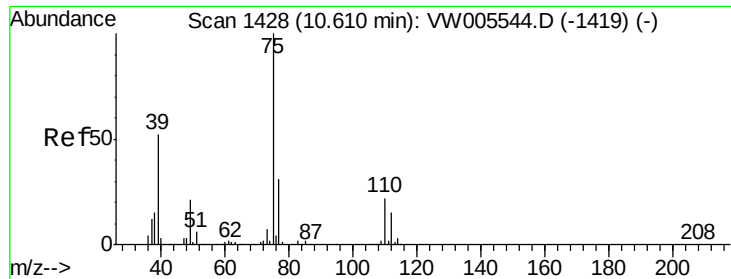
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#52
 Toluene
 Concen: 19.954 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	92	Resp	116616
Ion Ratio	92	100	
Lower	91	170.8	137.1
Upper			205.7





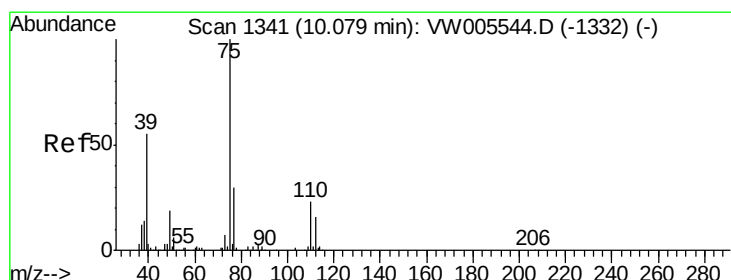
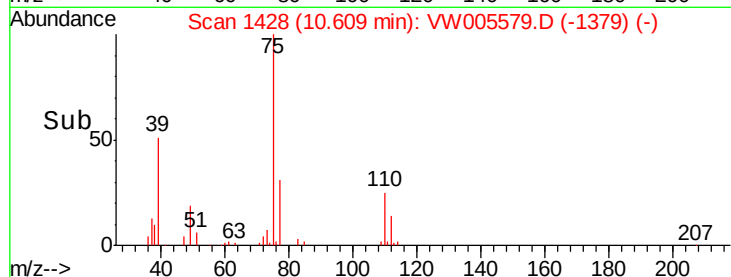
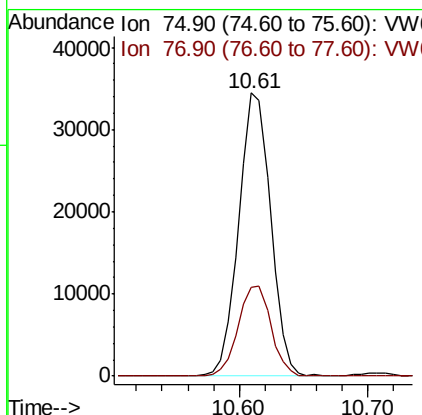
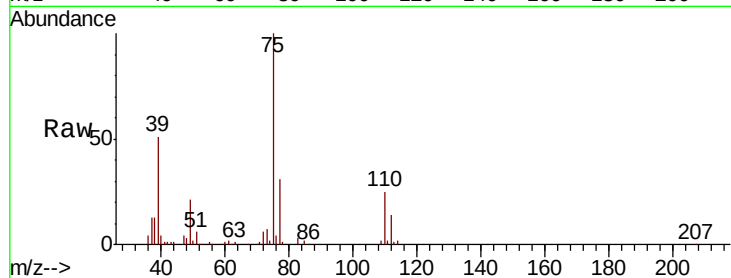
#53
t-1,3-Dichloropropene
Concen: 19.086 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	37.0

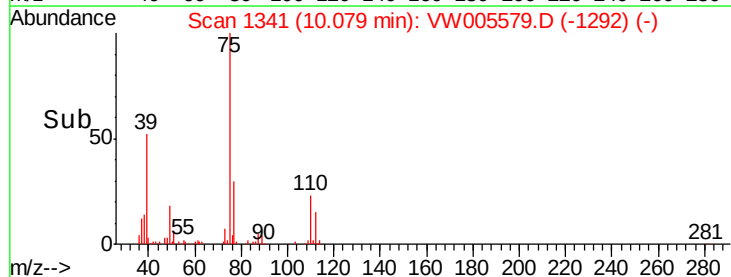
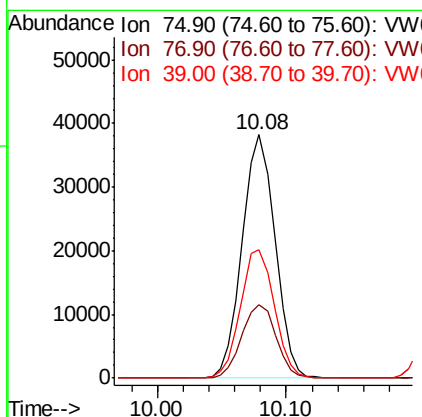
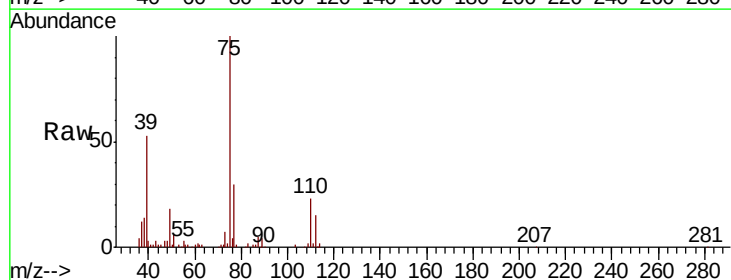
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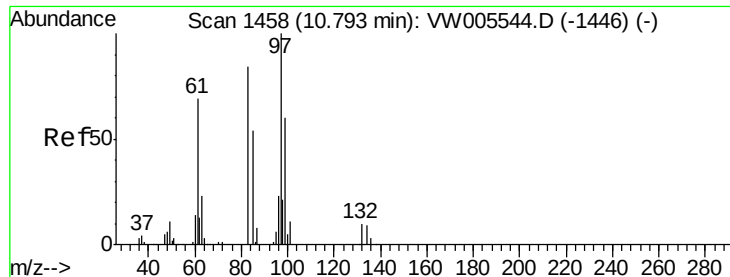
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#54
cis-1,3-Dichloropropene
Concen: 19.498 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.3	36.5
39	52.6	43.7	65.5





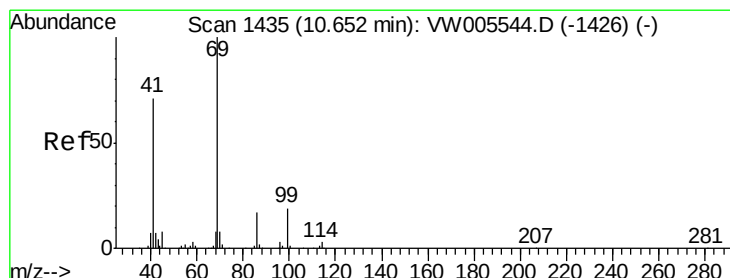
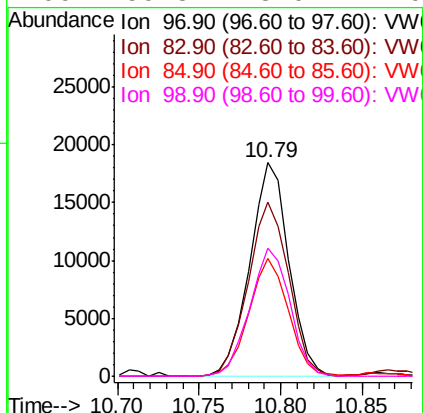
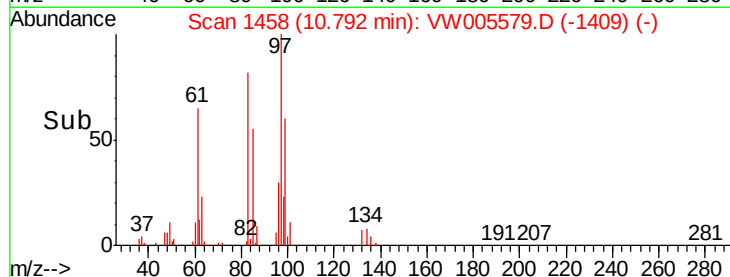
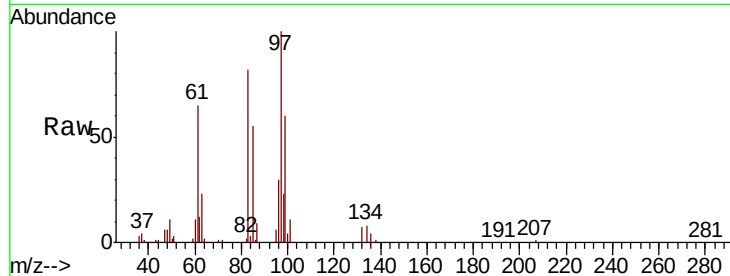
#55
 1,1,2-Trichloroethane
 Concen: 18.862 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion:	97	Resp:	30827
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.4	101.2
85	55.1	43.3	64.9
99	59.8	48.0	72.0

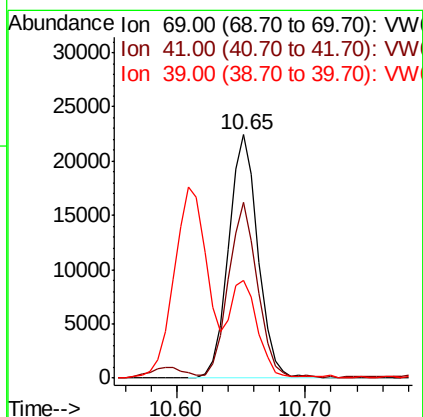
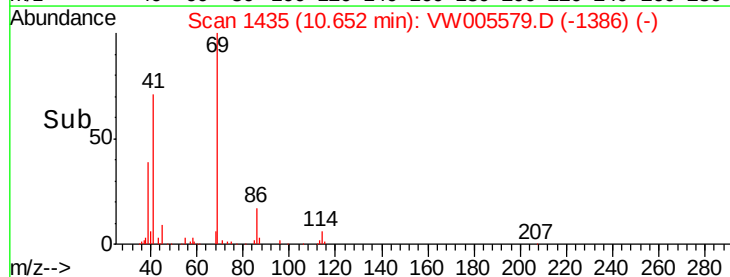
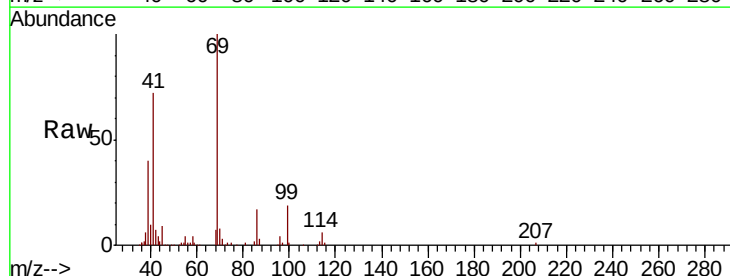
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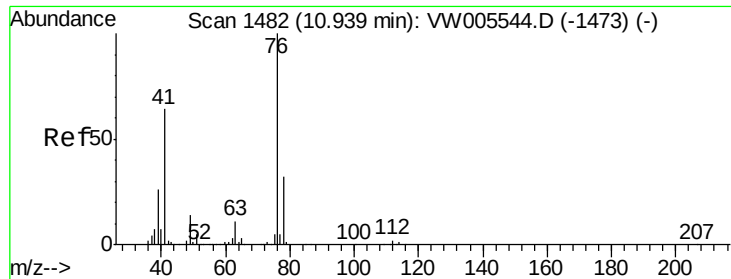
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#56
 Ethyl methacrylate
 Concen: 17.597 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion:	69	Resp:	35502
Ion	Ratio	Lower	Upper
69	100		
41	71.6	57.3	85.9
39	37.9	29.2	43.8





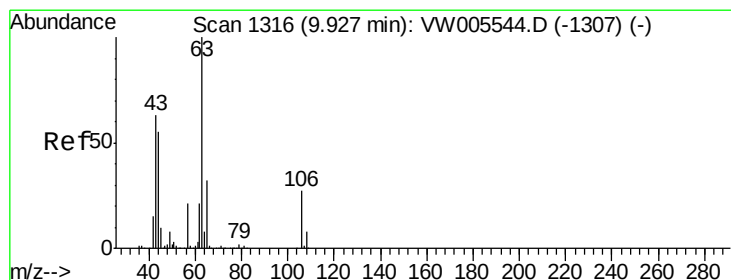
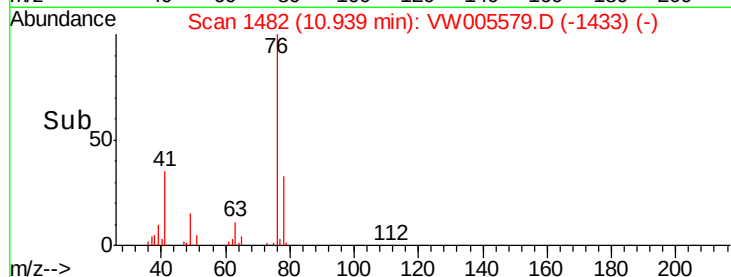
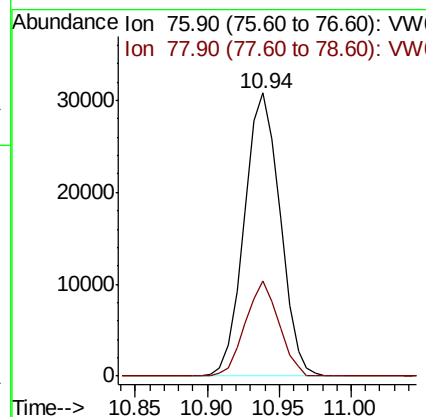
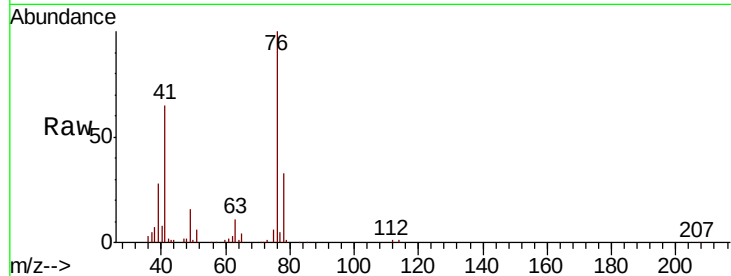
#57
 1,3-Dichloropropane
 Concen: 18.281 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.6	38.4

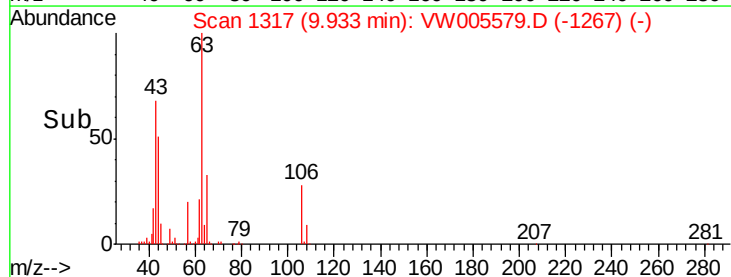
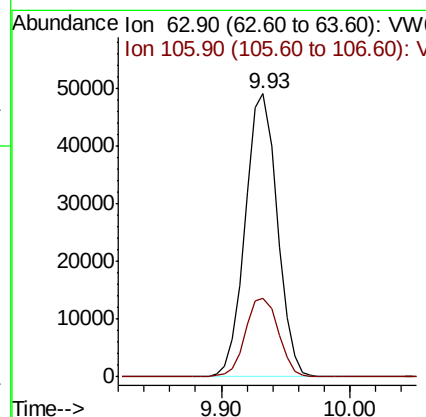
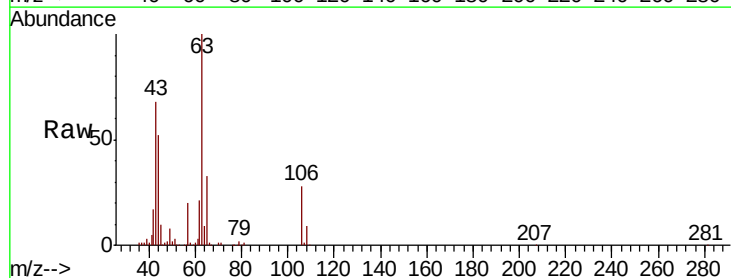
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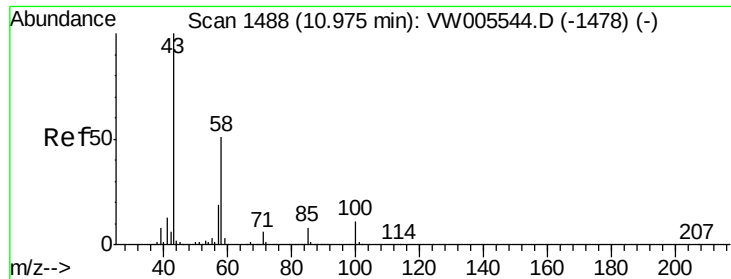
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.359 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	21.6	32.4





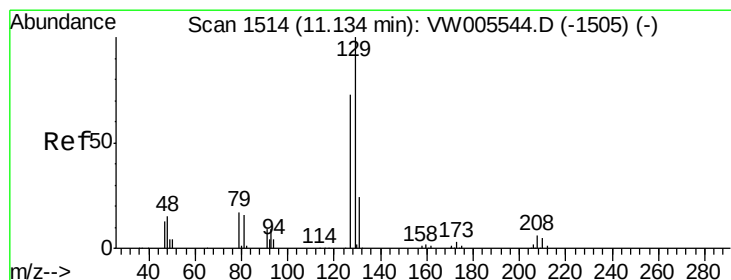
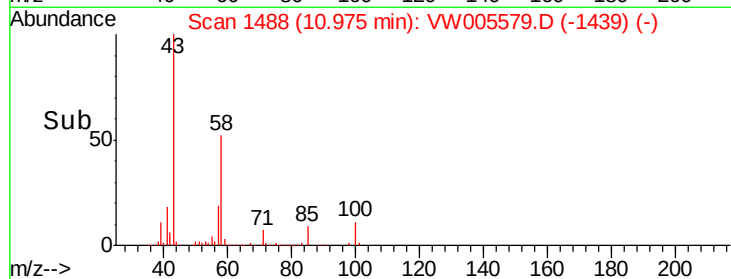
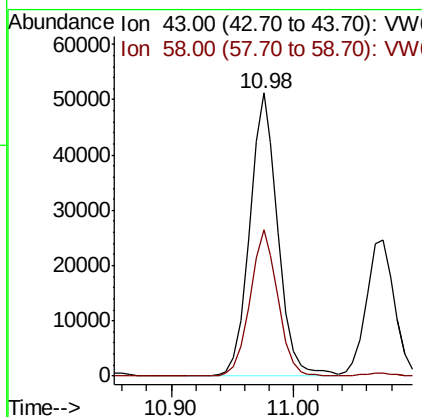
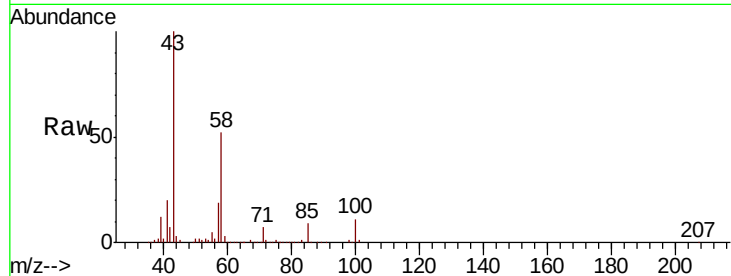
#59
2-Hexanone
Concen: 87.432 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion: 43 Resp: 81821
Ion Ratio Lower Upper
43 100
58 51.3 25.3 75.9

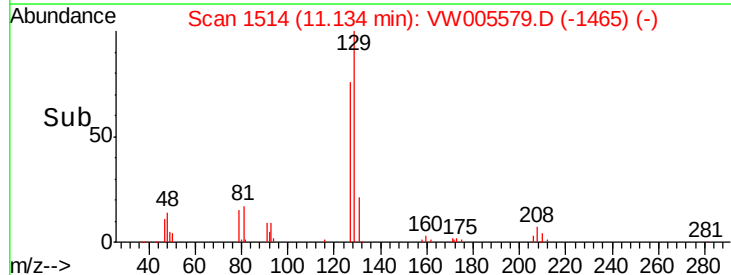
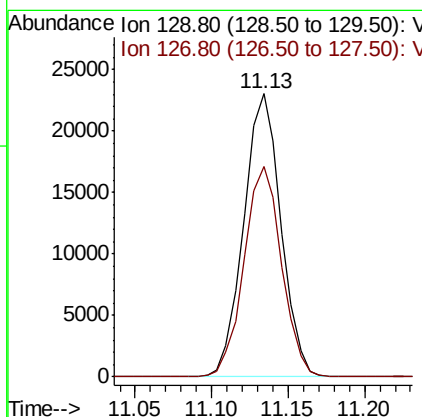
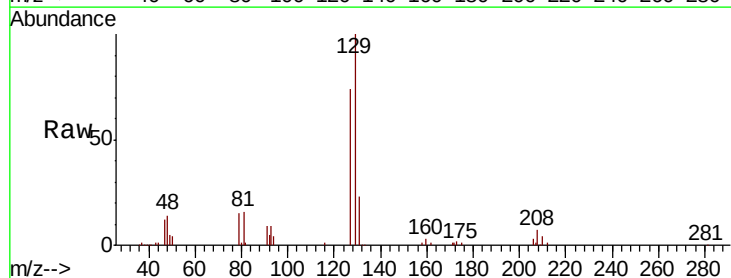
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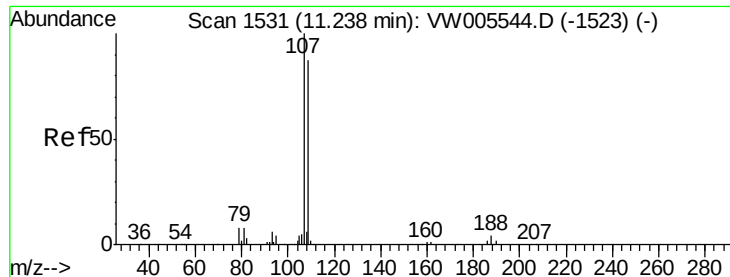
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#60
Dibromochloromethane
Concen: 19.715 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion: 129 Resp: 38930
Ion Ratio Lower Upper
129 100
127 75.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.919 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 107 Resp: 28828

Ion Ratio Lower Upper

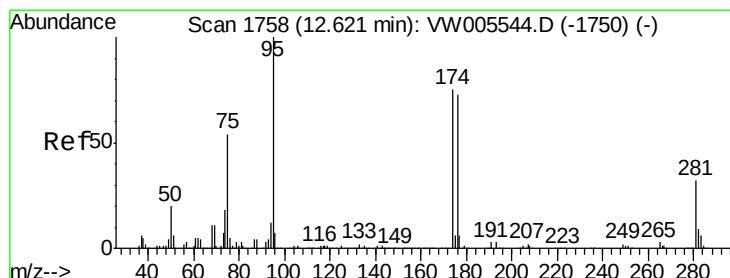
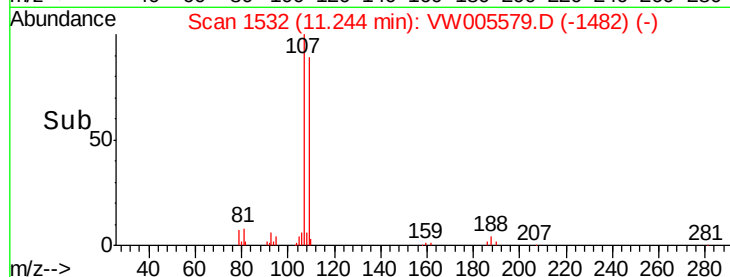
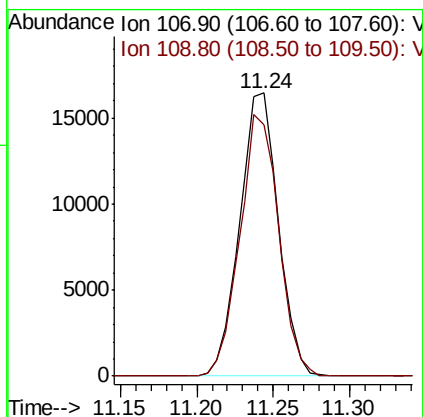
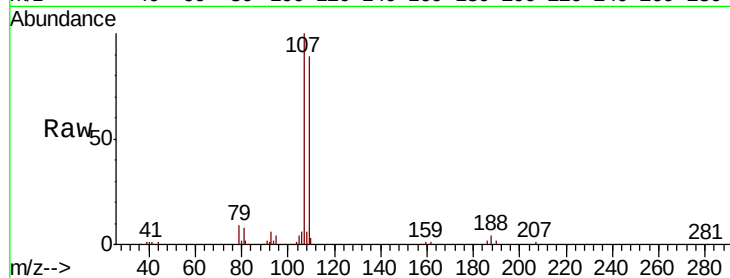
107 100

109 92.9 73.4 110.0

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#62

4-Bromofluorobenzene

Concen: 50.341 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

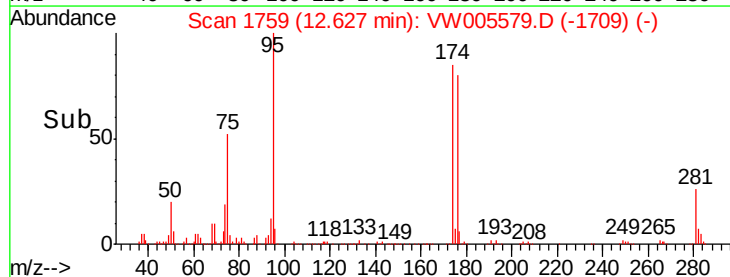
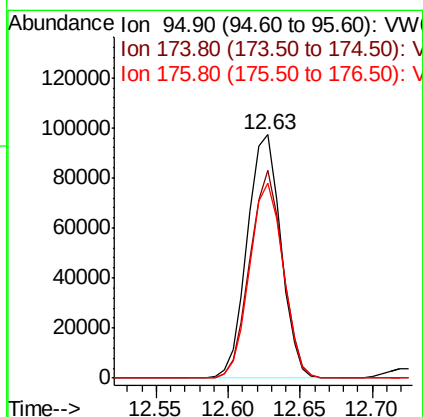
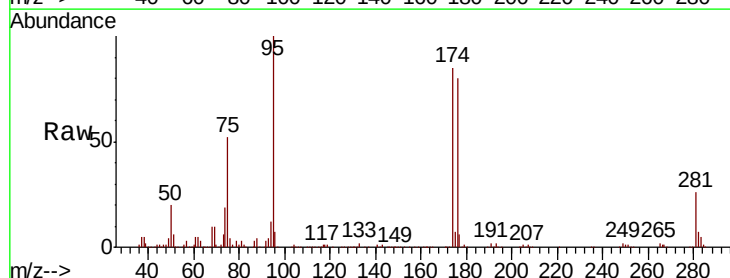
Tgt Ion: 95 Resp: 156633

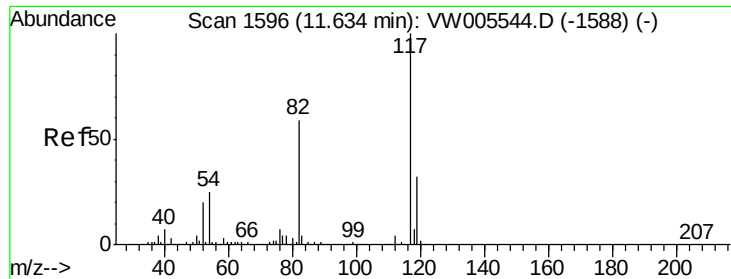
Ion Ratio Lower Upper

95 100

174 83.7 0.0 163.8

176 80.5 0.0 158.0





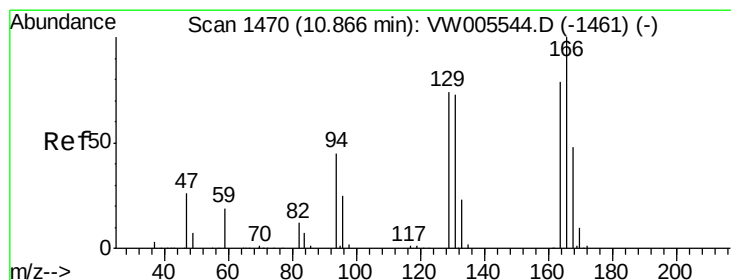
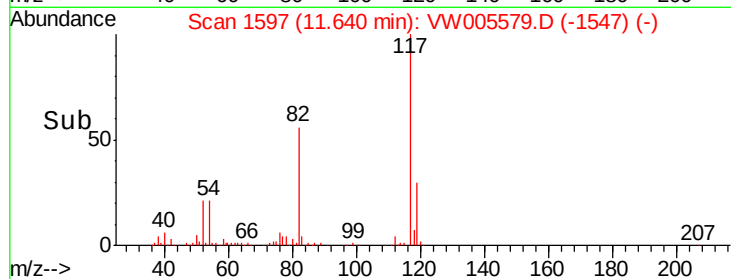
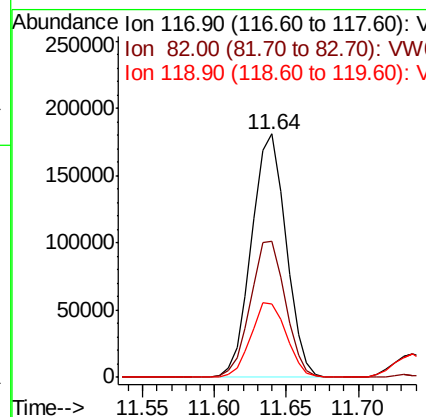
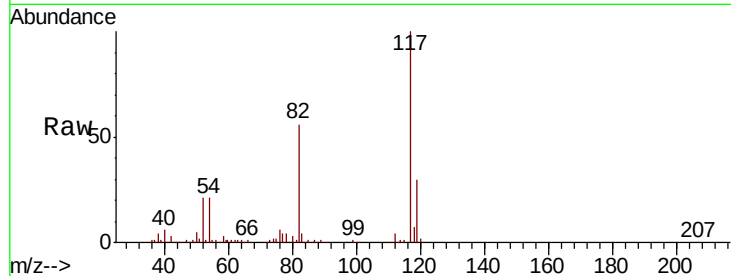
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300181		
82	55.9	46.9	70.3	
119	29.9	25.7	38.5	

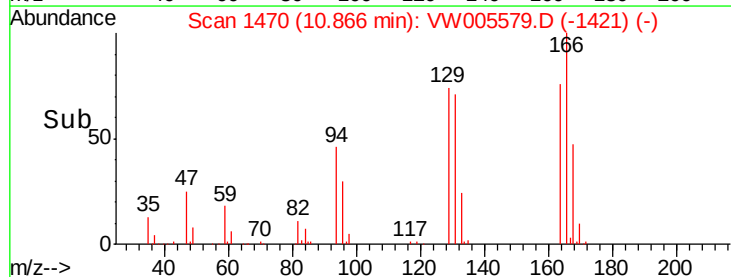
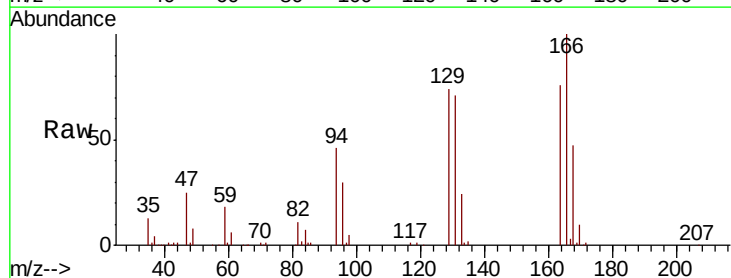
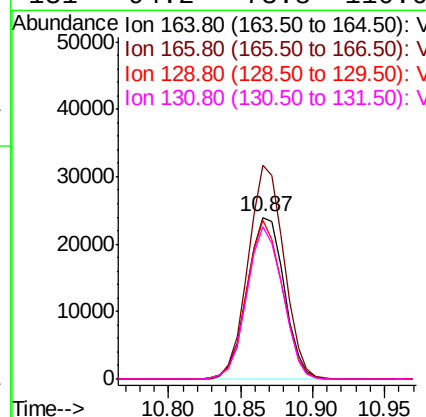
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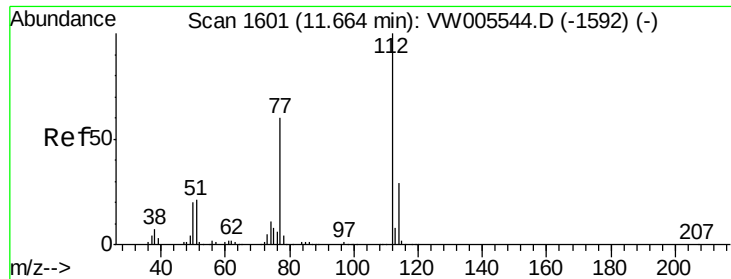
apatel
9/25/2018 11:55:17 AM



#64
Tetrachloroethene
Concen: 19.983 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42574		
166	132.3	101.1	151.7	
129	98.4	74.4	111.6	
131	94.2	73.8	110.6	





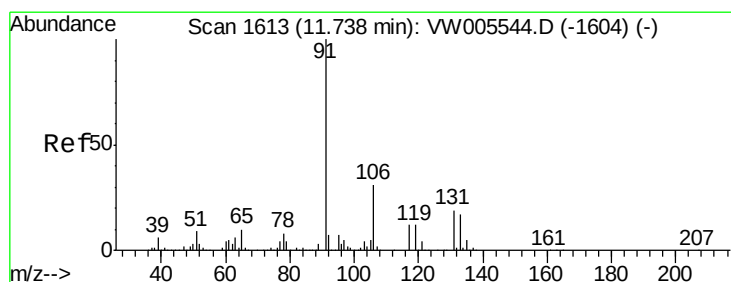
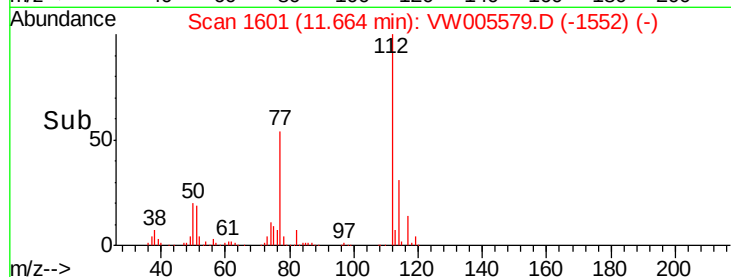
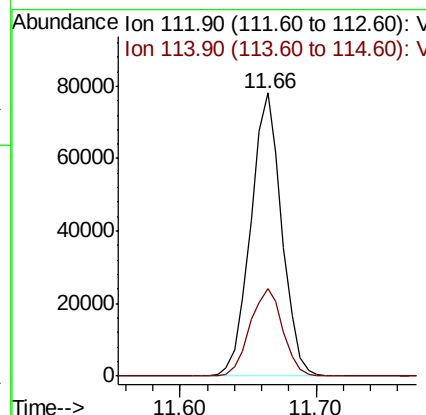
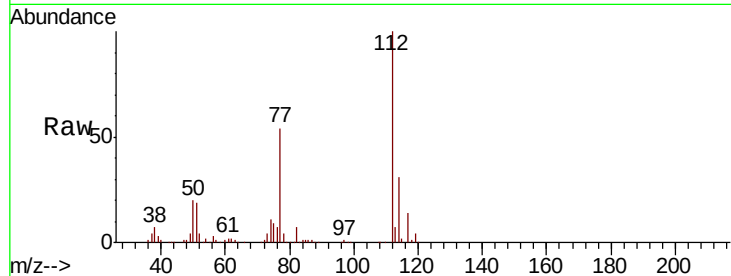
#65
Chlorobenzene
Concen: 19.554 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.9	34.3

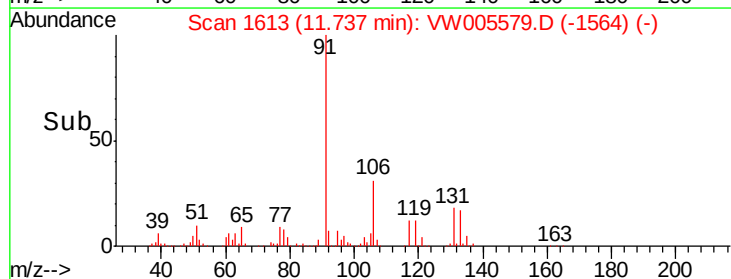
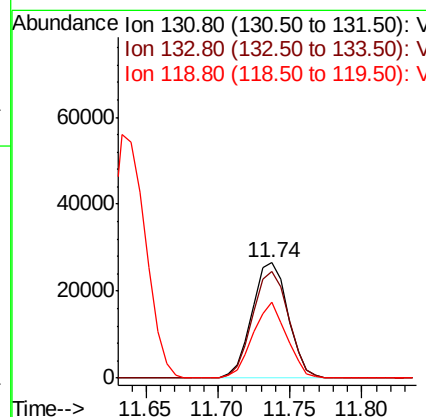
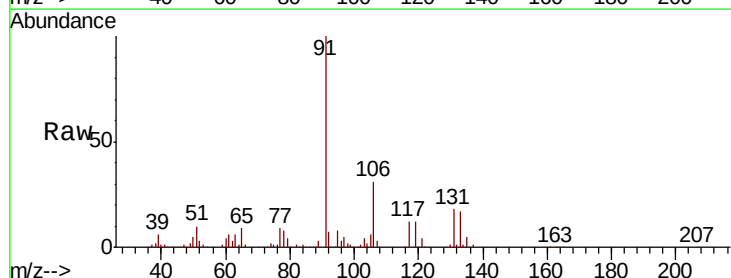
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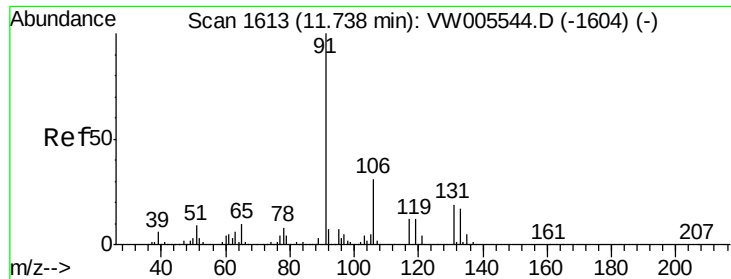
apatel
9/25/2018 11:55:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.954 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.2	141.6
119	61.6	31.1	93.2





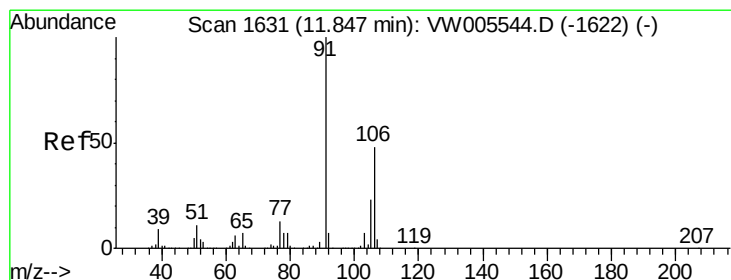
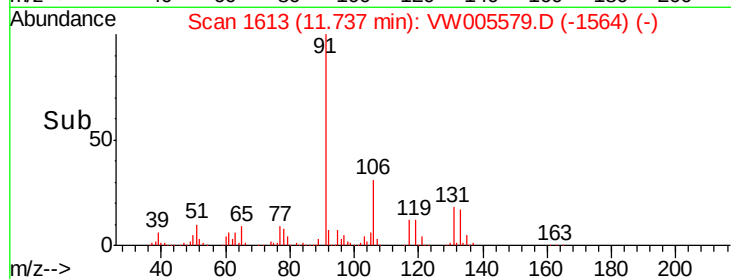
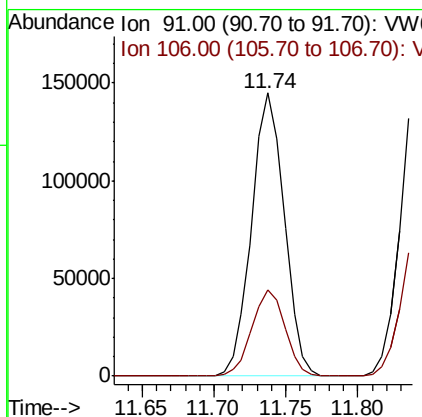
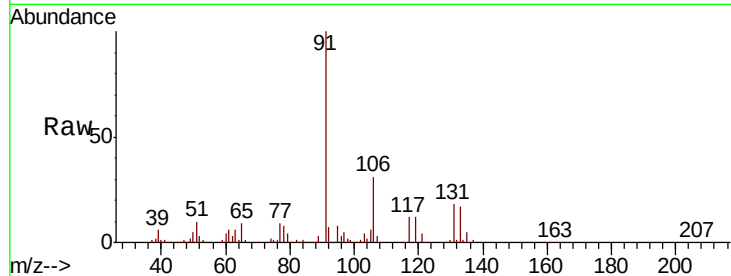
#67
Ethyl Benzene
Concen: 20.099 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.4	36.6

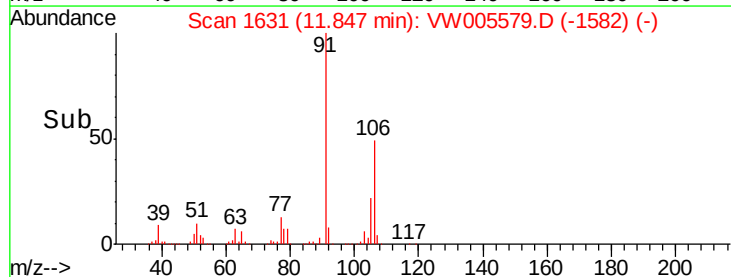
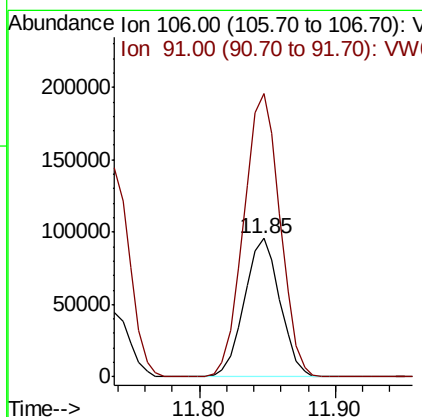
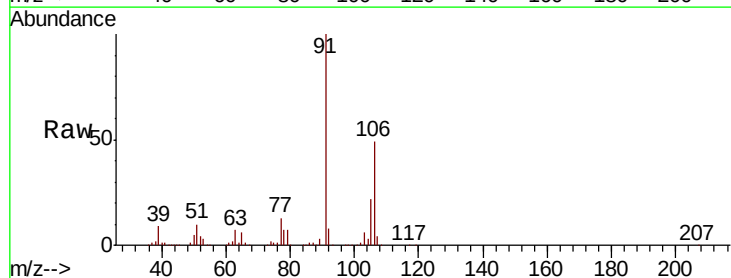
Manual Integrations
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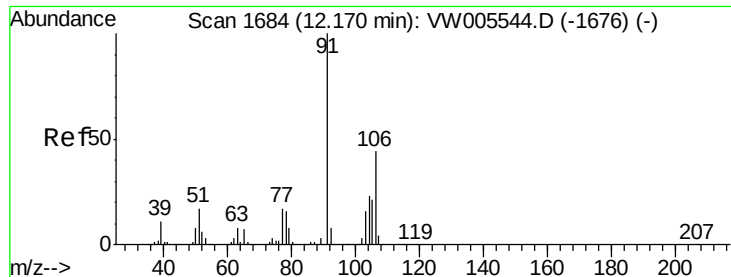
apatel
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#68
m/p-Xylenes
Concen: 41.130 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.0	167.8	251.8





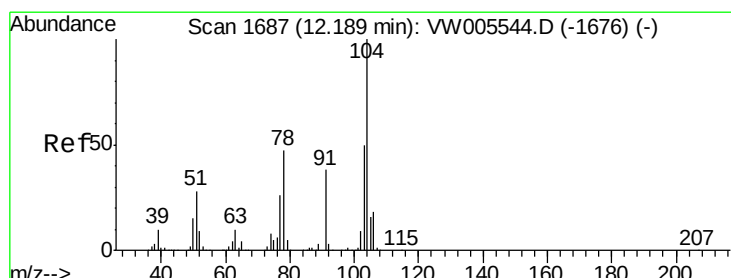
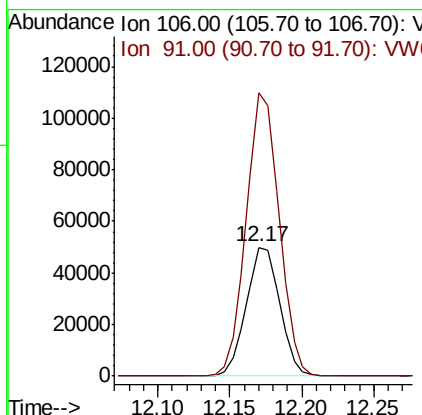
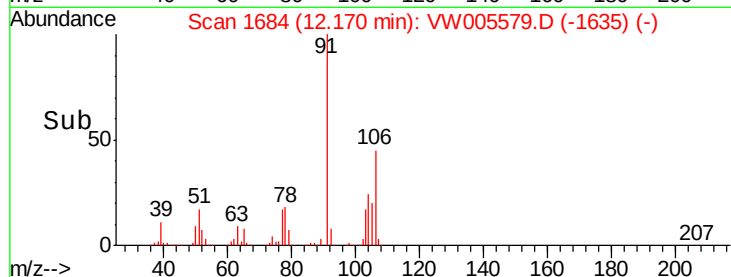
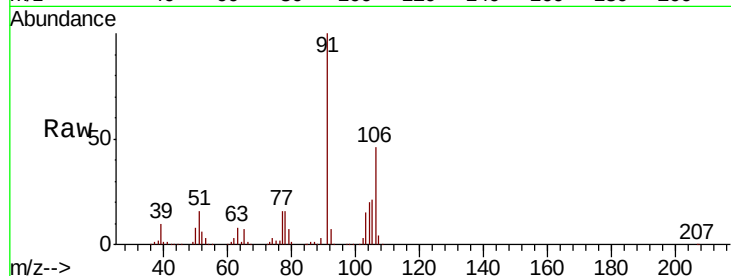
#69
o-Xylene
Concen: 20.064 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		80299		
91	217.2	111.0	333.0		

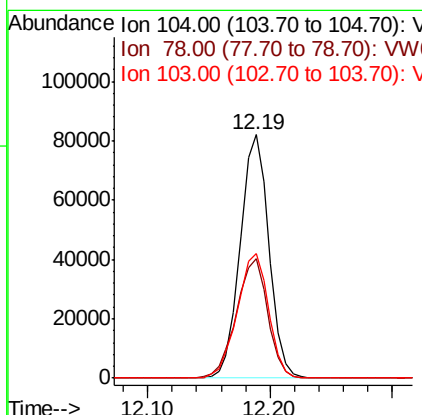
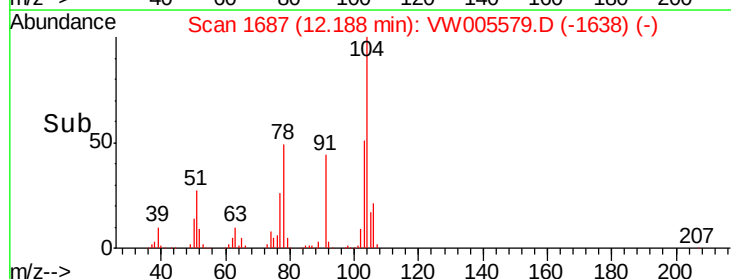
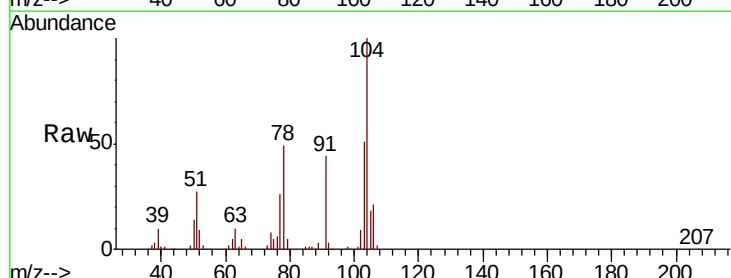
Manual Integrations
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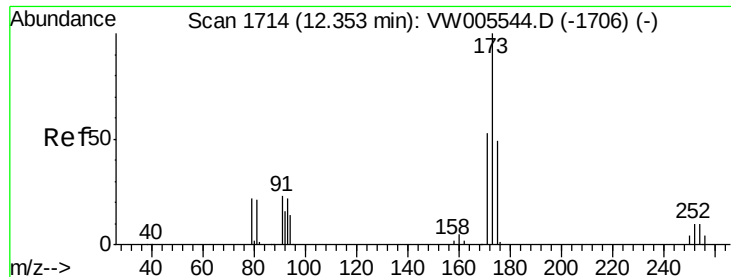
apatel
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#70
Styrene
Concen: 19.776 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		133198		
78	53.7	42.2	63.4		
103	56.2	44.6	66.8		





#71

Bromoform

Concen: 19.099 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

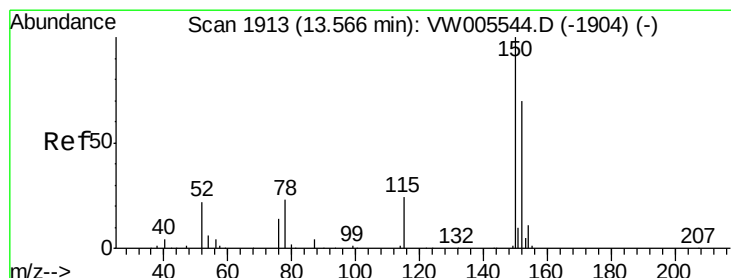
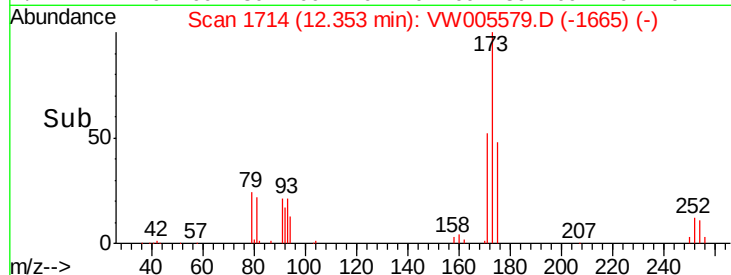
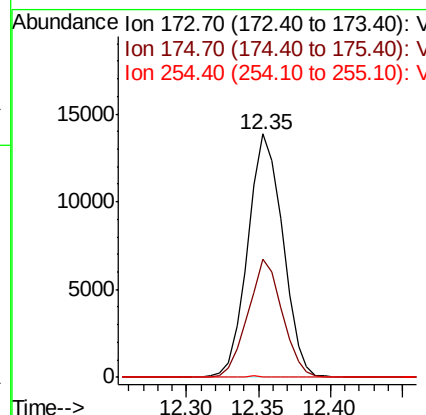
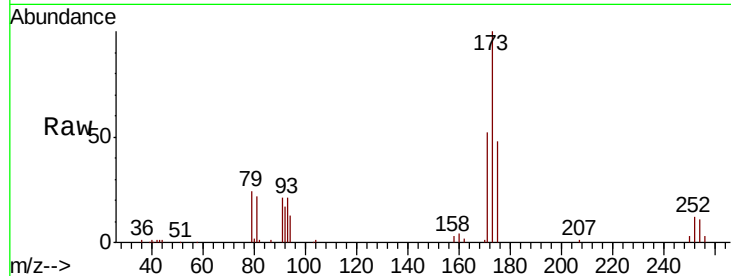
ClientSampleId :

VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.3	72.9
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

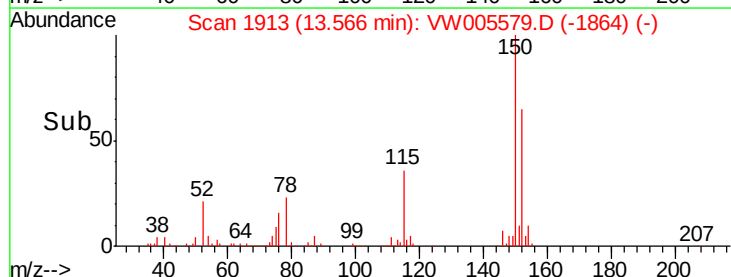
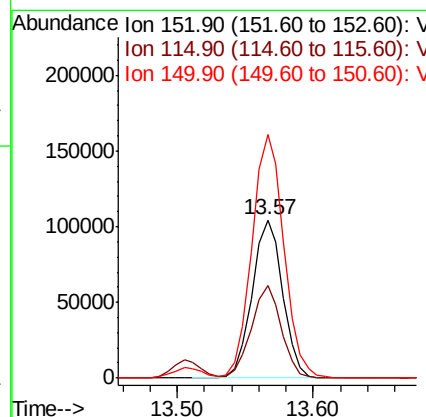
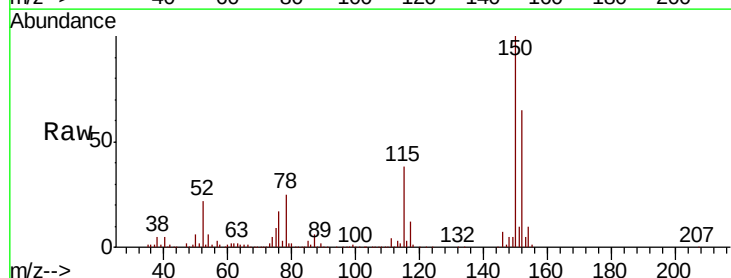
RT: 13.57 min Scan# 1913

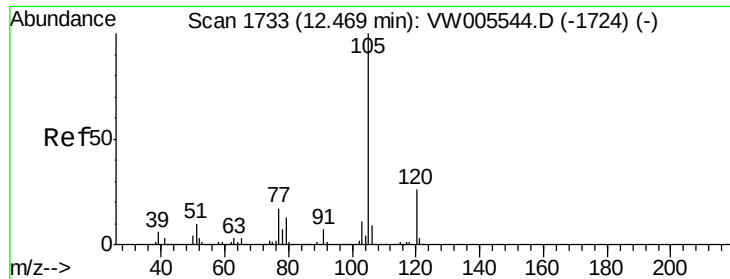
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	30.0	90.0
150	161.2	0.0	348.6





#73

Isopropylbenzene

Concen: 20.201 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBS01

Tot Ion:105 Resp: 230267

Ion Ratio Lower Upper

105 100

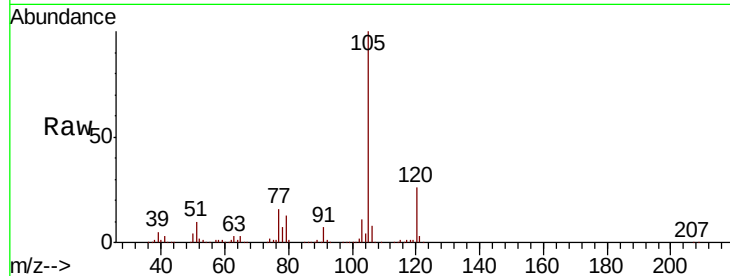
120 26.0 12.9 38.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

50000

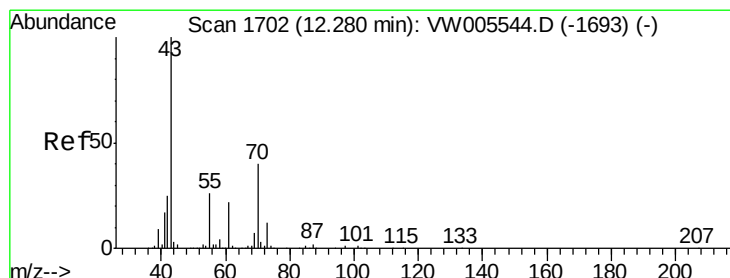
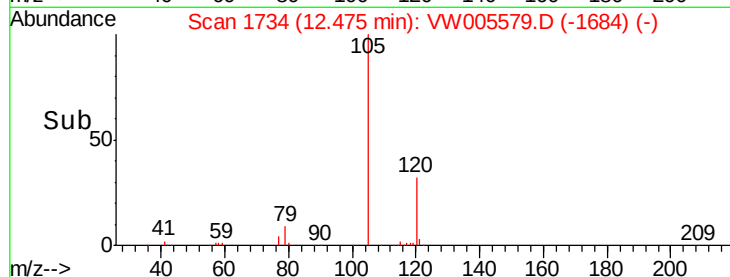
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 16.883 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion: 43 Resp: 43579

Ion Ratio Lower Upper

43 100

70 41.0 31.4 47.0

55 28.8 20.9 31.3

61 24.6 17.8 26.6

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

40000

30000

20000

10000

0

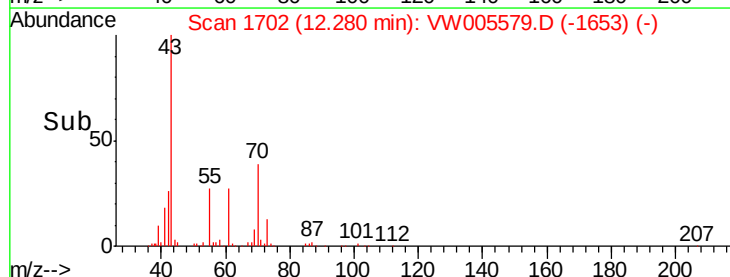
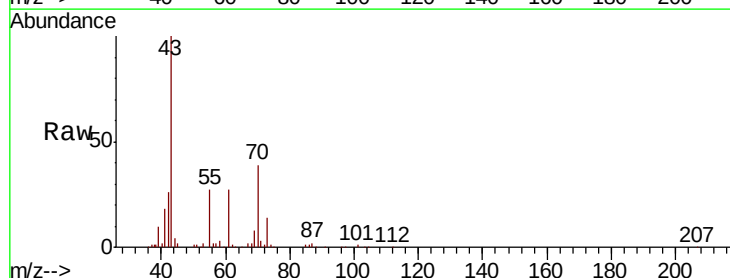
12.20

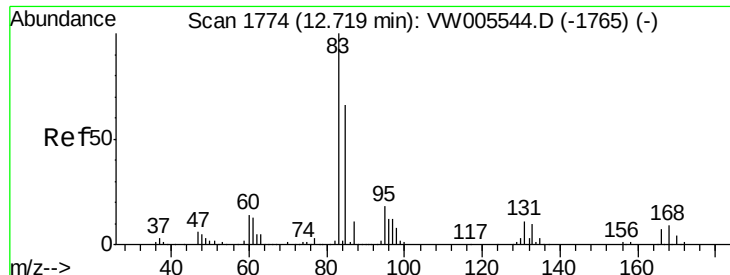
12.28

12.30

12.40

Time-->





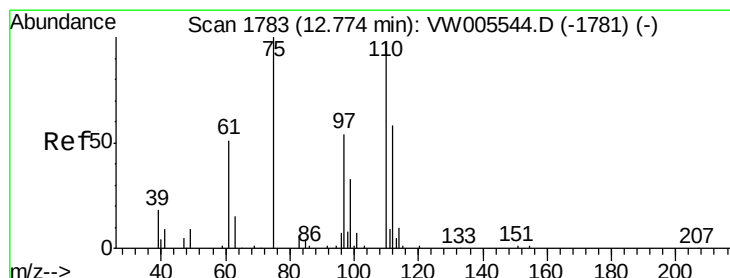
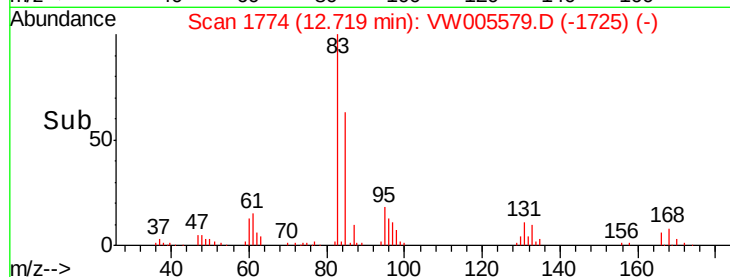
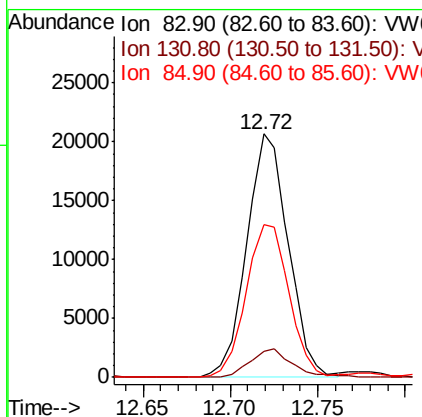
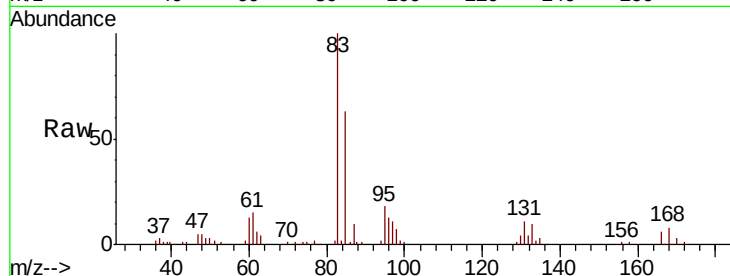
#75
 1,1,2,2-Tetrachloroethane
 Concen: 18.038 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.5	16.7
85	64.9	32.4	97.0

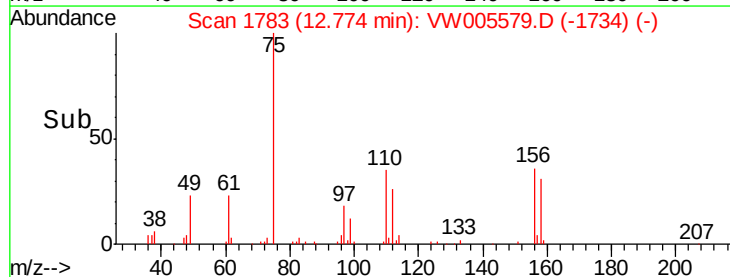
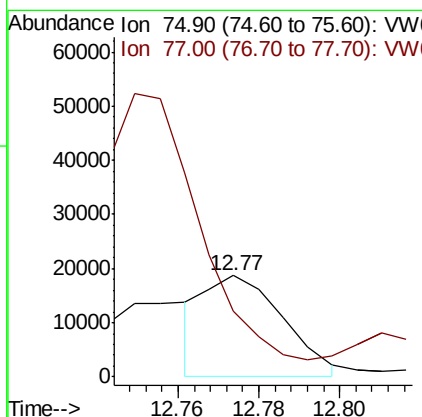
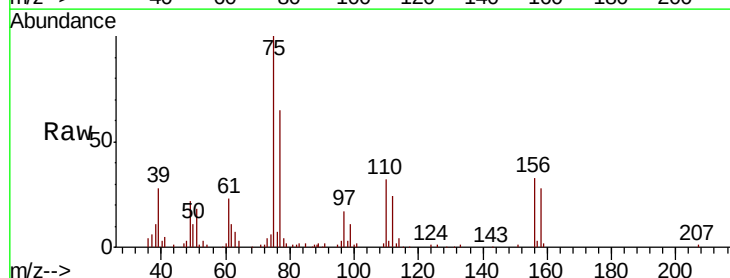
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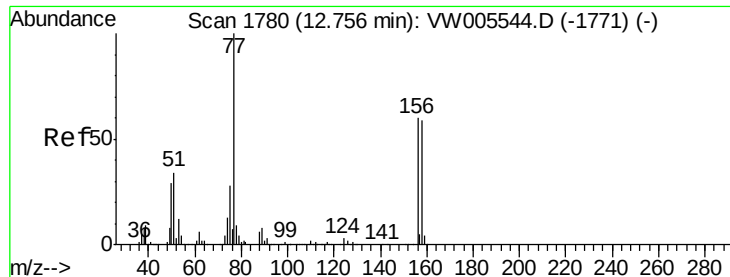
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#76
 1,2,3-Trichloropropane
 Concen: 18.222 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.829 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion:156 Resp: 52978

Ion Ratio Lower Upper

156 100

77 182.6 94.7 284.1

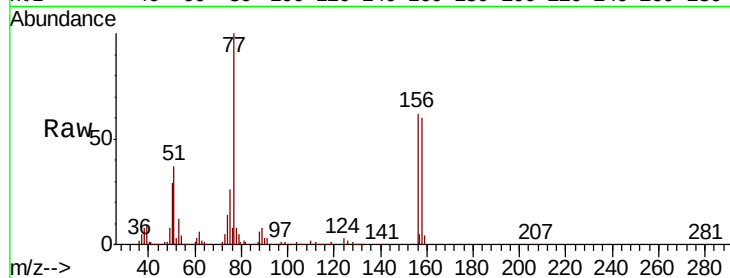
158 96.5 48.0 144.2

Manual Integrations

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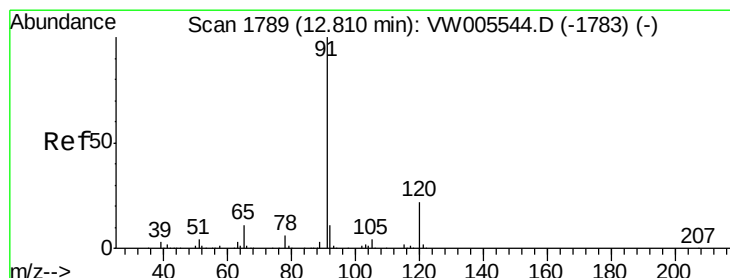
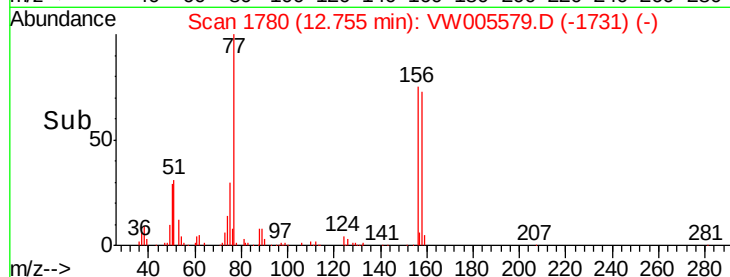
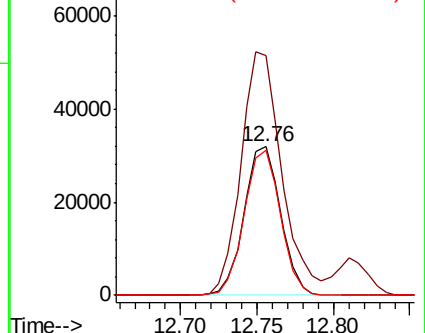
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.415 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005579.D

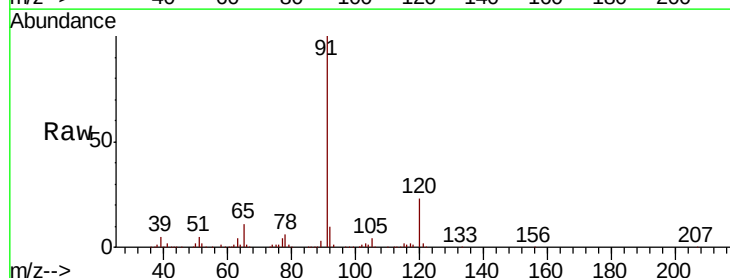
Acq: 24 Sep 2018 12:47

Tgt Ion: 91 Resp: 281736

Ion Ratio Lower Upper

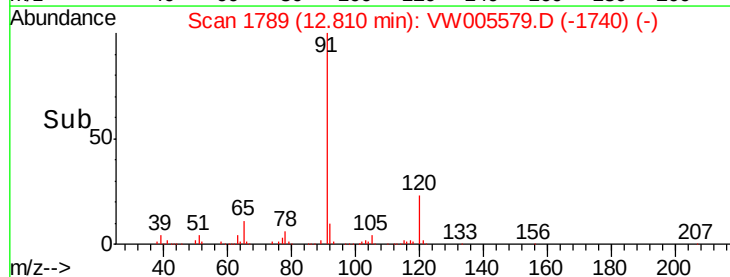
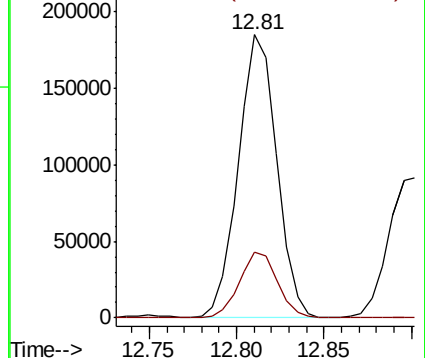
91 100

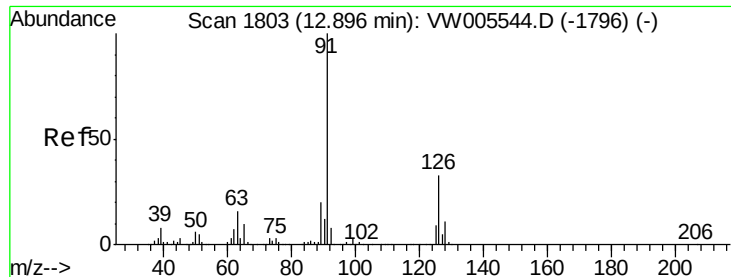
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.482 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion: 91 Resp: 155553

Ion Ratio Lower Upper

91 100

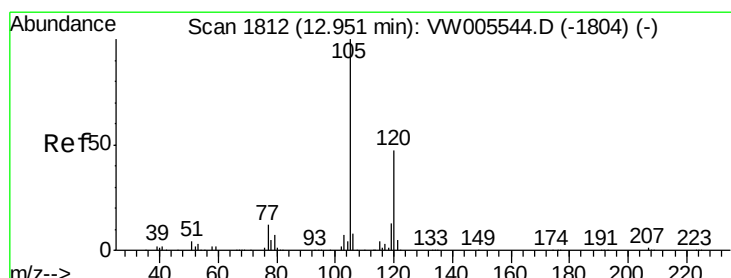
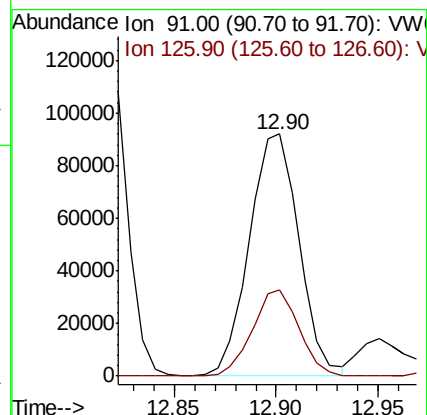
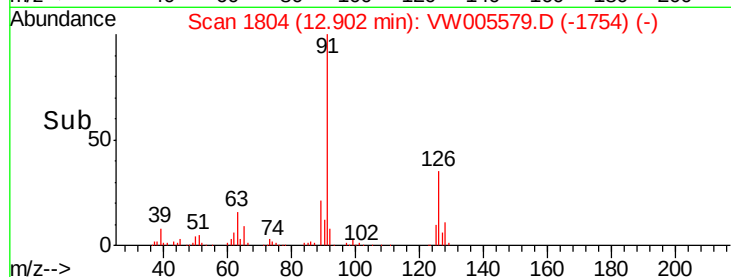
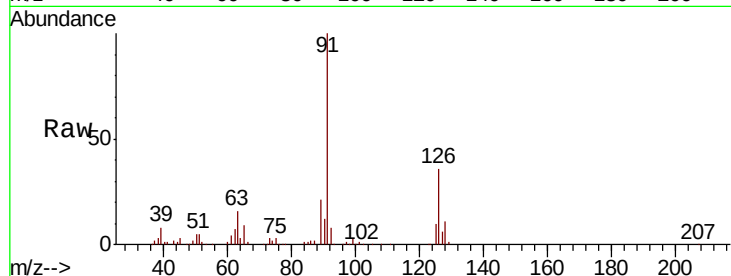
126 33.6 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.763 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005579.D

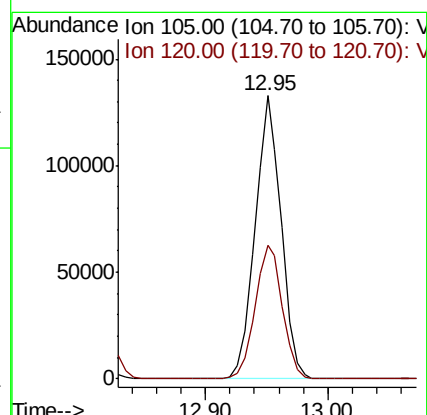
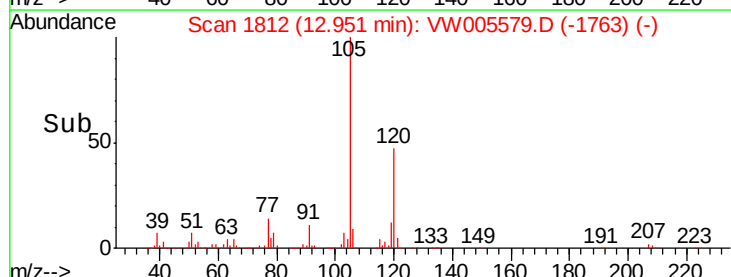
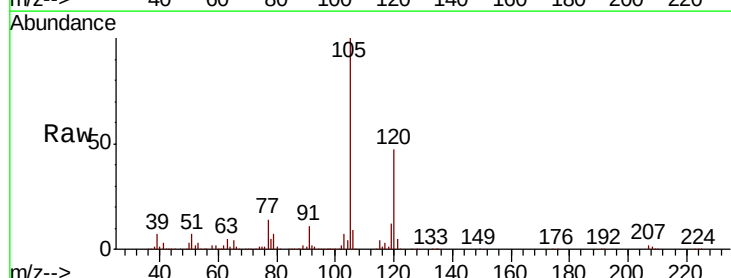
Acq: 24 Sep 2018 12:47

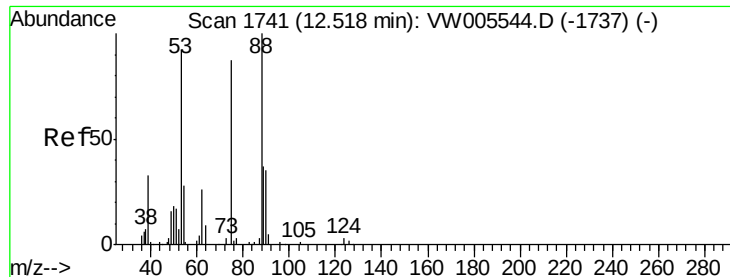
Tgt Ion:105 Resp: 195890

Ion Ratio Lower Upper

105 100

120 49.6 23.6 70.8





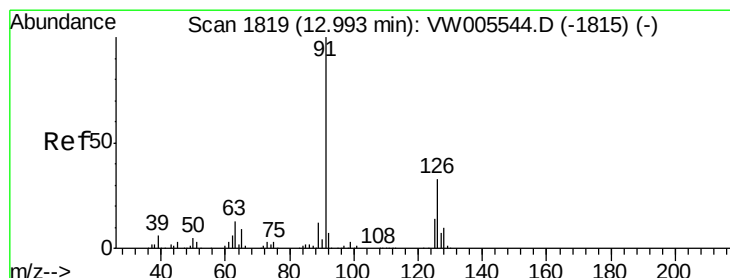
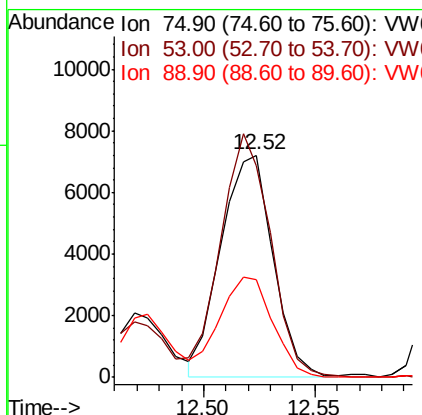
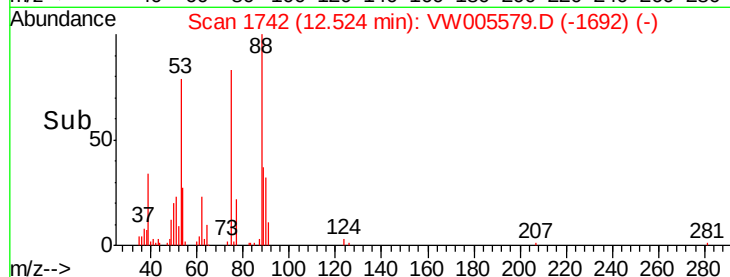
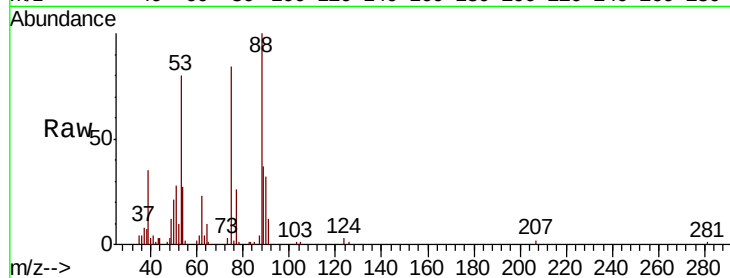
#81
trans-1,4-Dichloro-2-butene
Concen: 18.935 ug/l
RT: 12.52 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.9	85.8	128.6
89	46.1	37.3	55.9

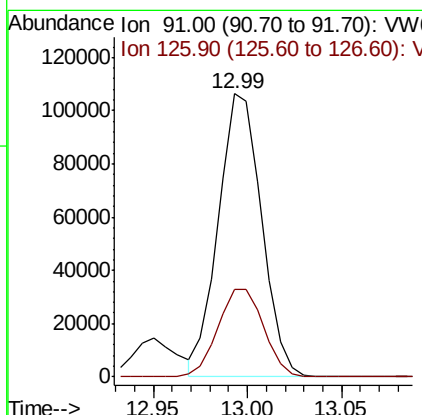
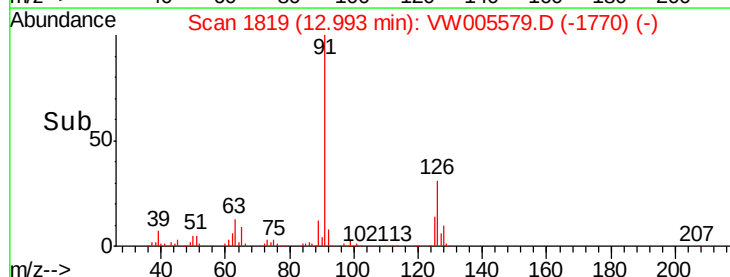
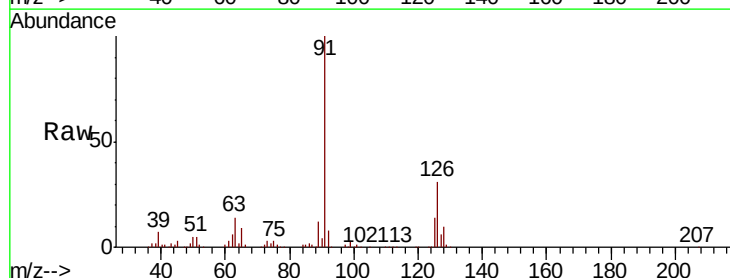
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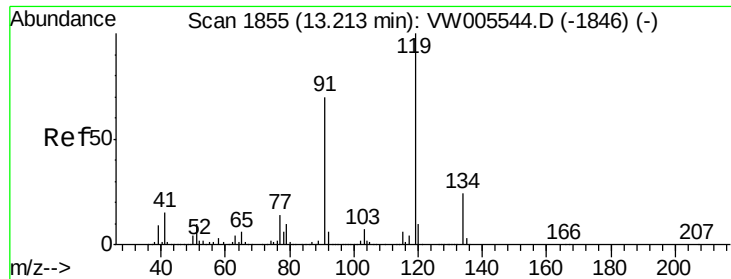
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#82
4-Chlorotoluene
Concen: 20.035 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4





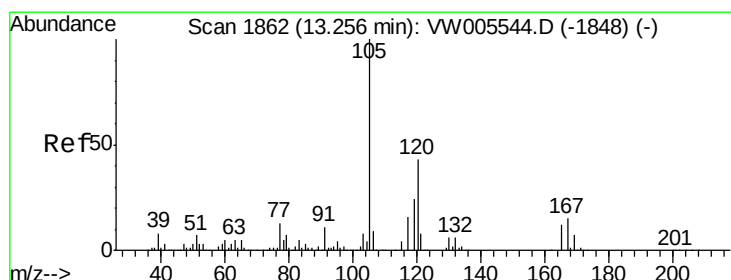
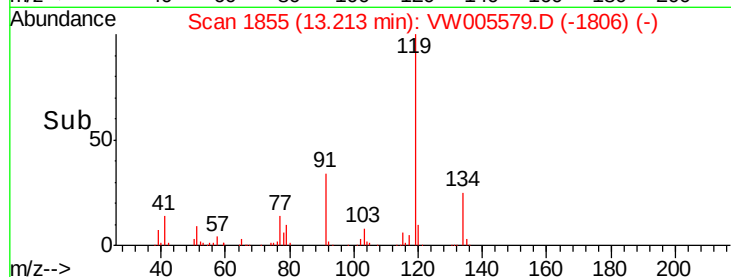
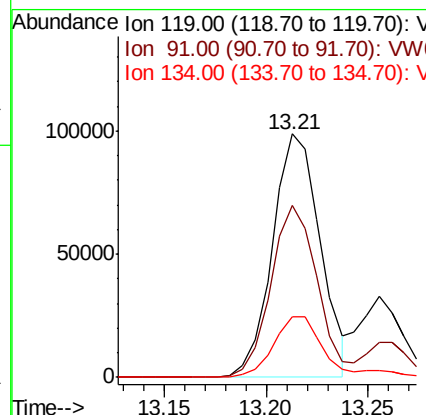
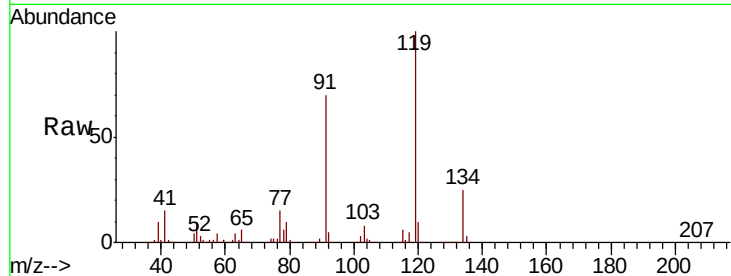
#83
 tert-Butylbenzene
 Concen: 19.421 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161722		
91	69.0	34.6	103.8	
134	24.8	12.6	37.6	

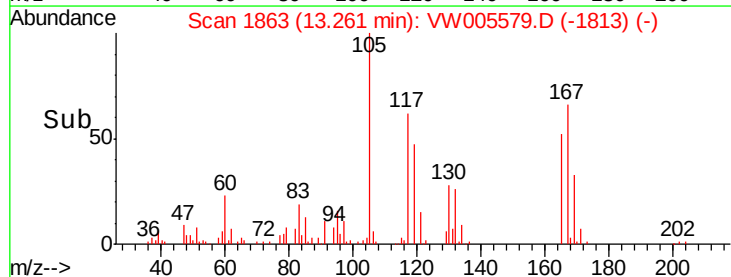
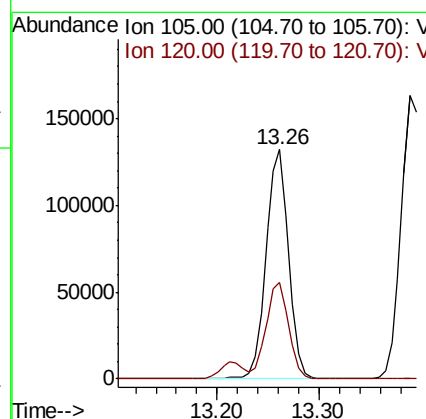
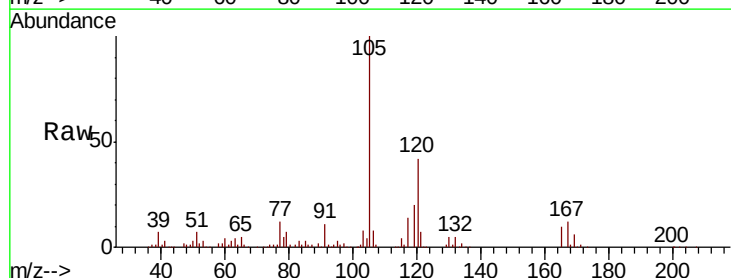
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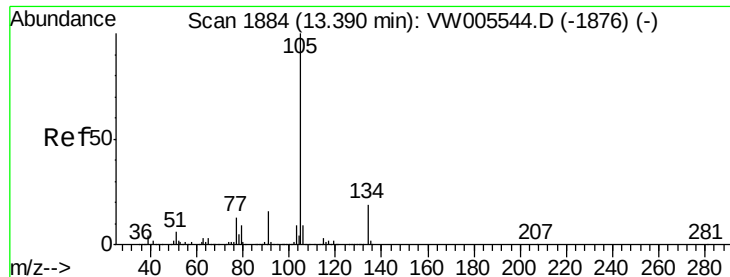
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.309 ug/l
 RT: 13.26 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	203137		
120	42.2	21.5	64.5	





#85

sec-Butylbenzene

Concen: 20.317 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

ClientSampleId :

VW0924SBSD01

Tot Ion:105 Resp: 245376

Ion Ratio Lower Upper

105 100

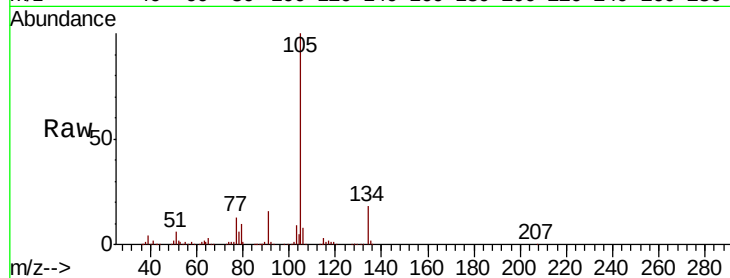
134 19.2 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.39

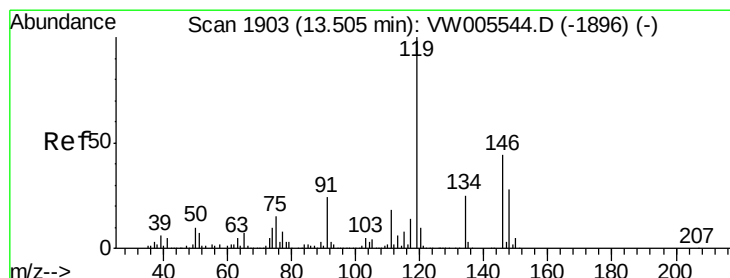
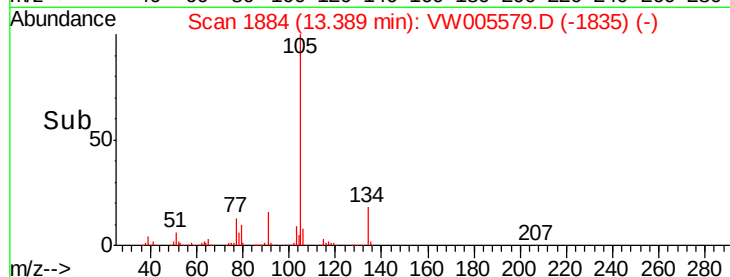
150000

100000

50000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 21.011 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

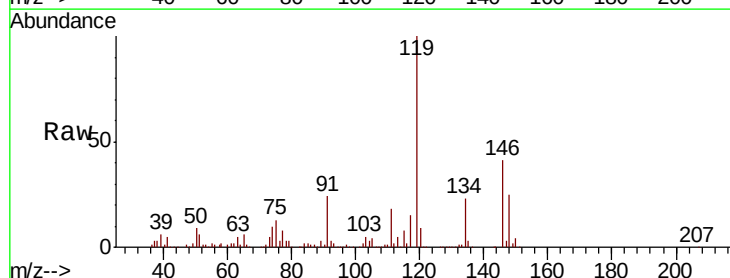
Tgt Ion:119 Resp: 227450

Ion Ratio Lower Upper

119 100

134 24.1 12.7 38.1

91 23.5 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

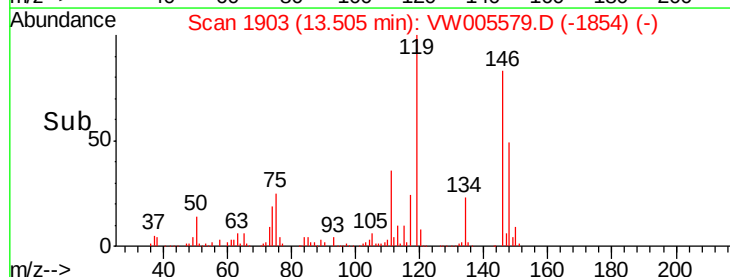
150000

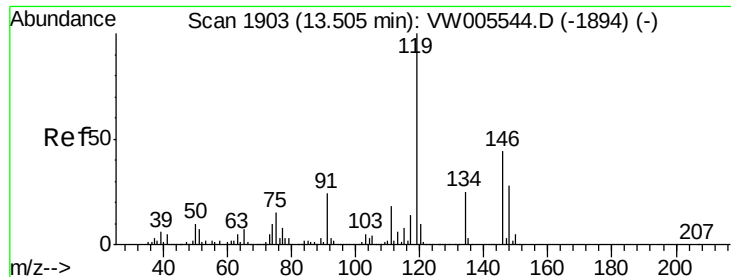
100000

50000

0

Time--> 13.45 13.50 13.55





#87

1,3-Dichlorobenzene

Concen: 19.391 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

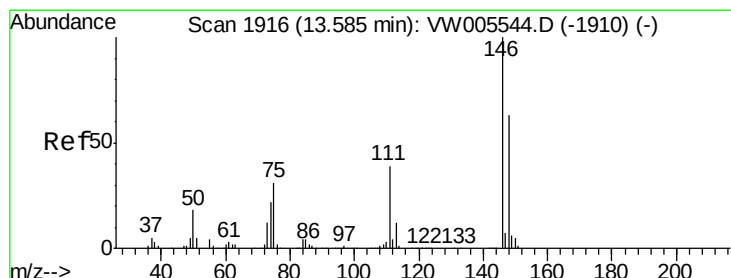
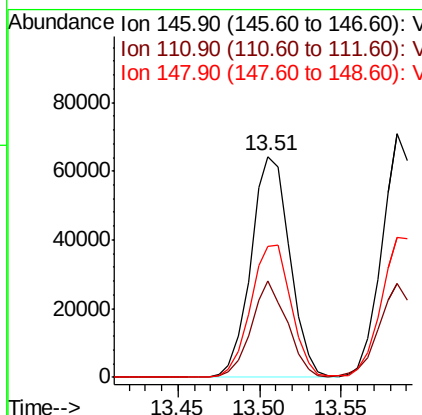
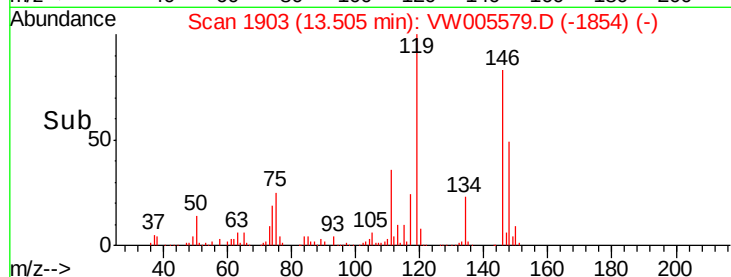
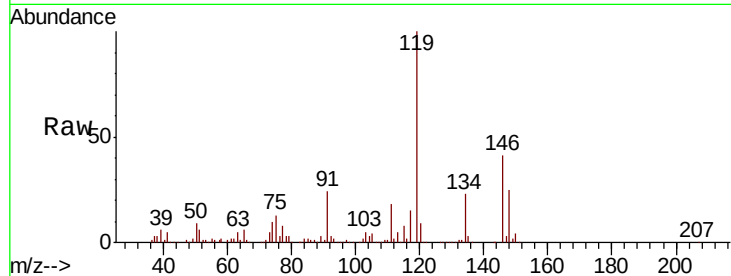
Instrument :
MSVOA_W

ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.3	60.9
148	62.5	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.963 ug/l

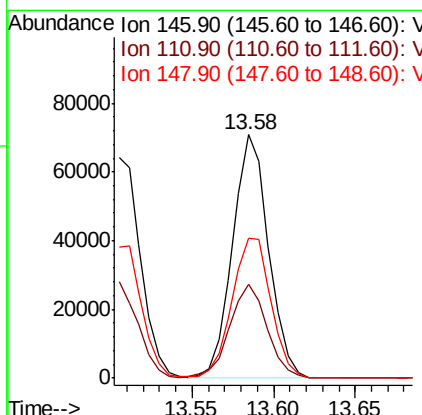
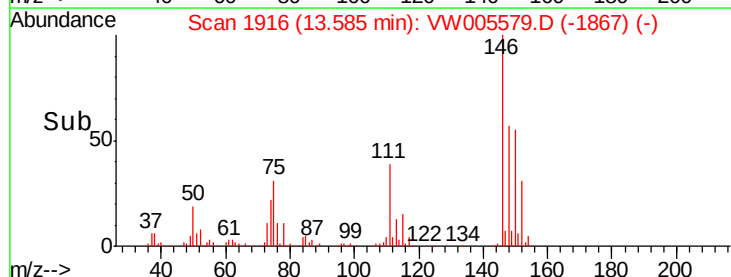
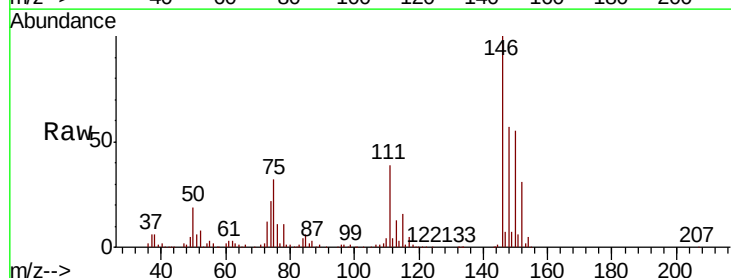
RT: 13.58 min Scan# 1916

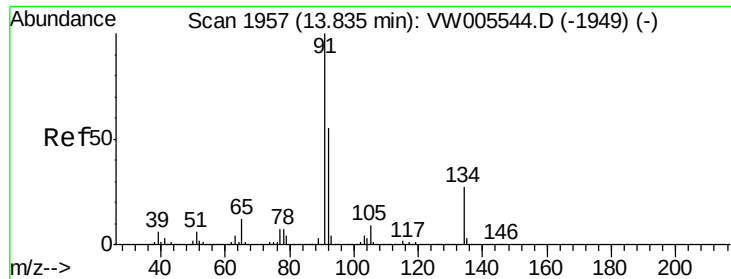
Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.9	59.7
148	62.5	32.1	96.3





#89

n-Butylbenzene

Concen: 20.527 ug/l

RT: 13.83 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VW005579.D

Acq: 24 Sep 2018 12:47

Instrument :

MSVOA_W

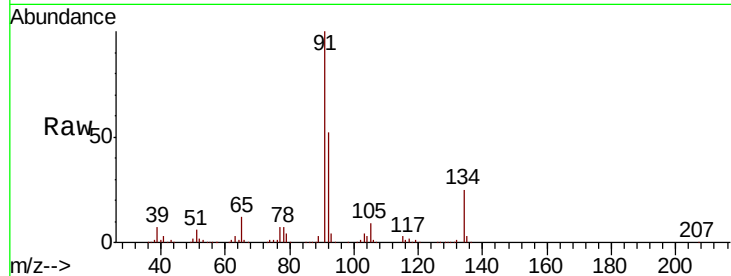
ClientSampleId :

VW0924SBSD01

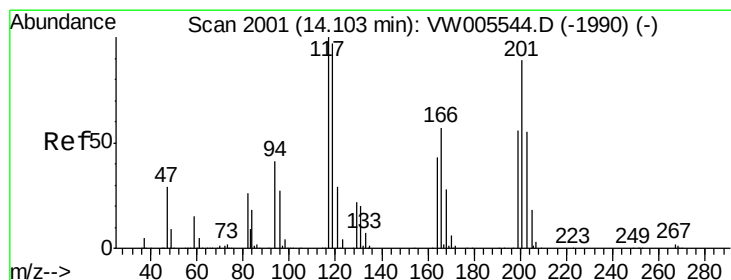
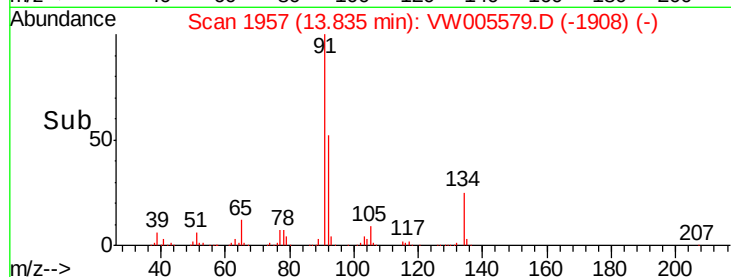
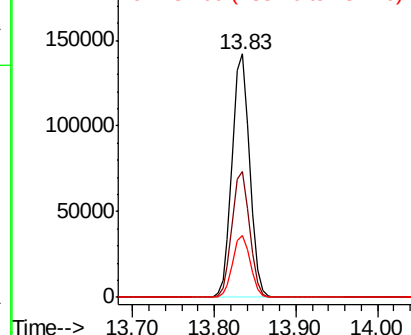
Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		209591		
92	51.9	26.5	79.5		
134	25.5	12.9	38.7		

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Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.158 ug/l

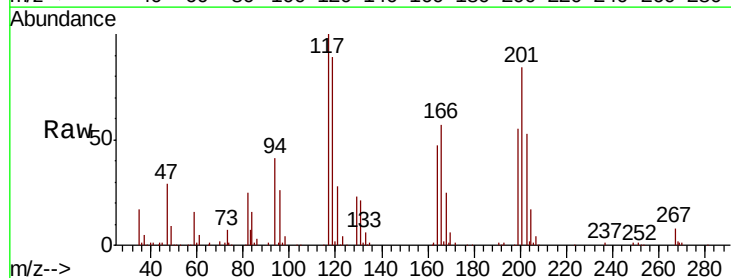
RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

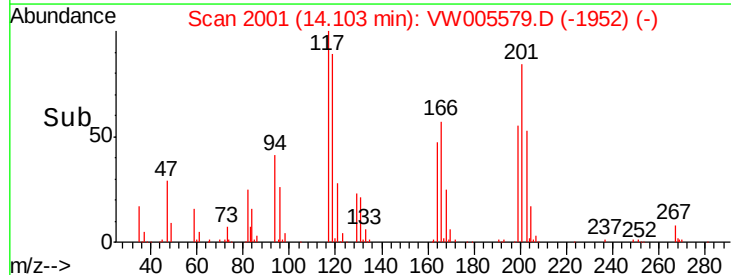
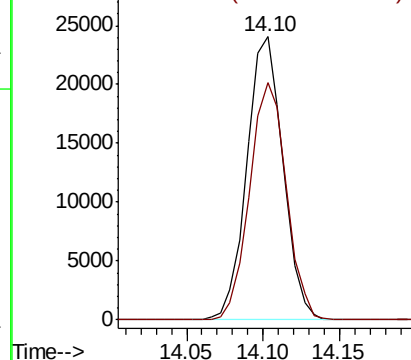
Lab File: VW005579.D

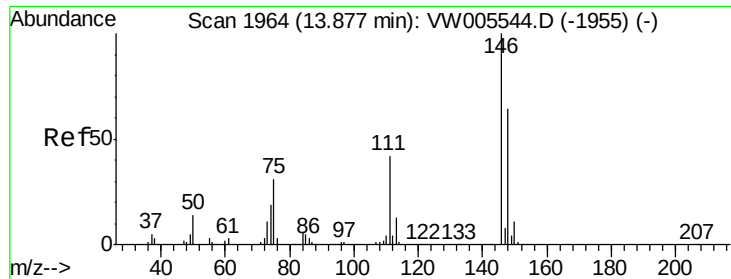
Acq: 24 Sep 2018 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		39550		
201	85.3	42.8	128.3		



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





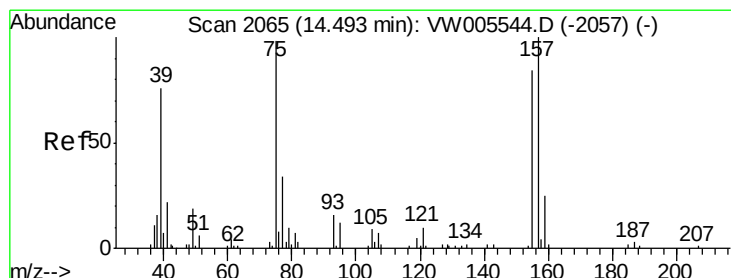
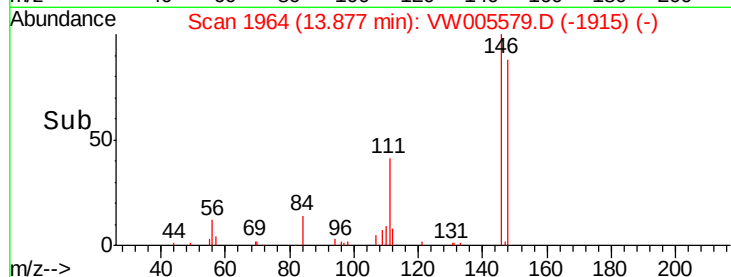
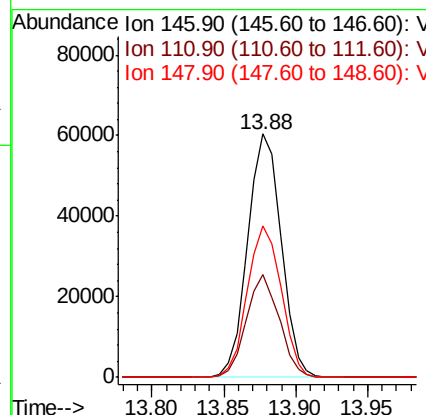
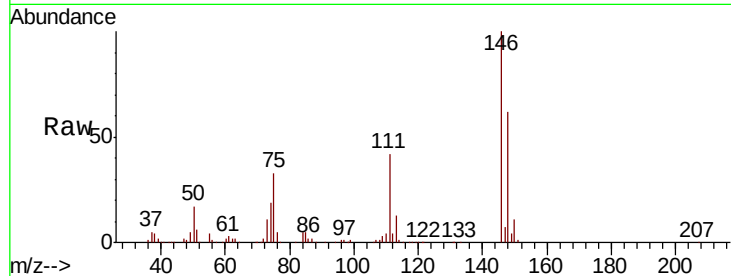
#91
 1,2-Dichlorobenzene
 Concen: 20.176 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.3	63.9
148	63.0	32.0	96.2

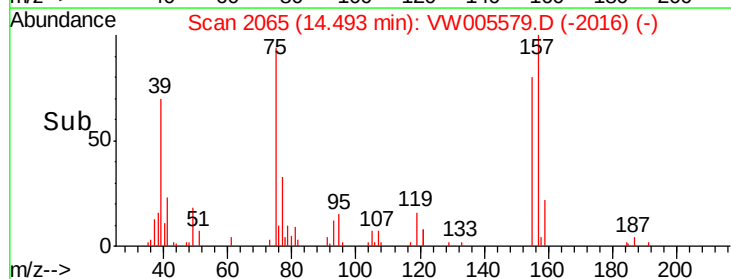
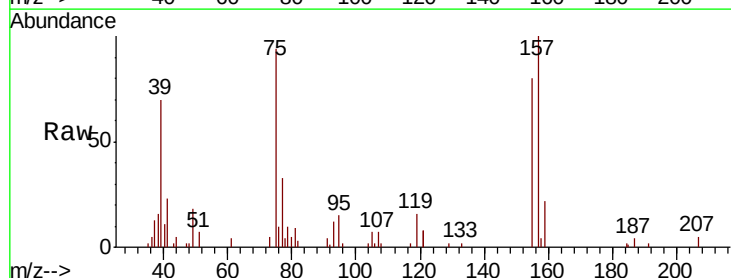
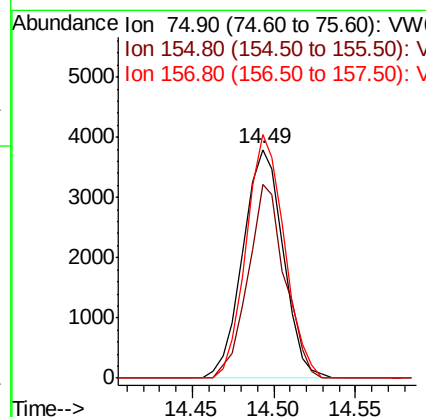
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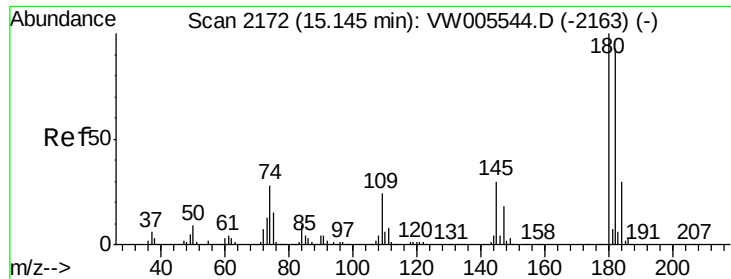
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.071 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	39.1	117.5
157	100.7	50.8	152.4





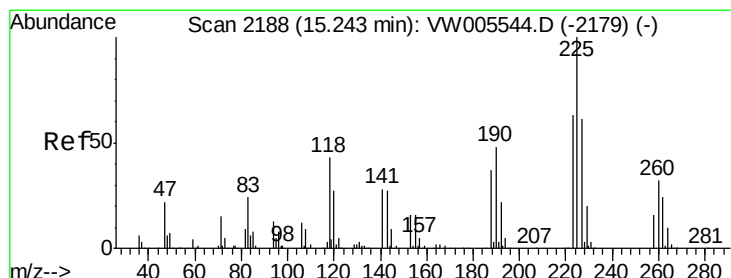
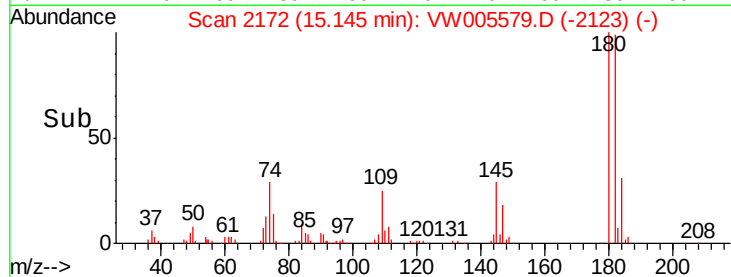
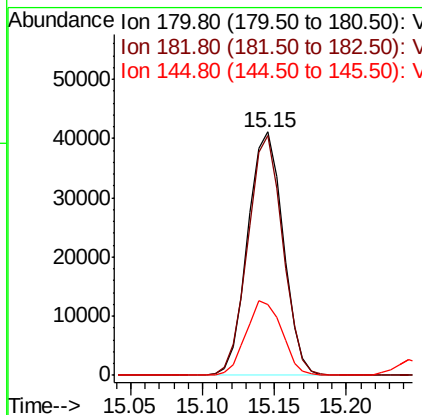
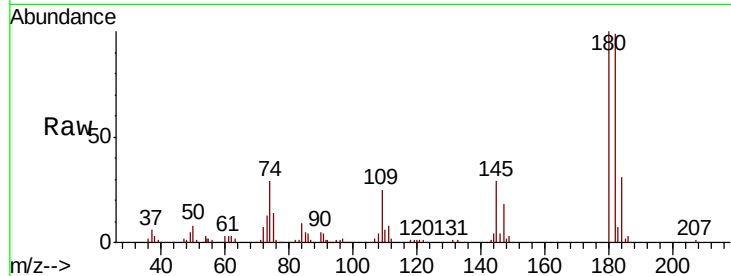
#93
 1,2,4-Trichlorobenzene
 Concen: 20.307 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0924SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	69861		
182	97.0	47.7	143.1	
145	31.3	15.0	45.1	

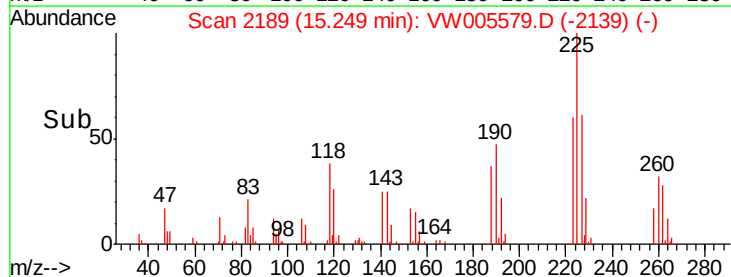
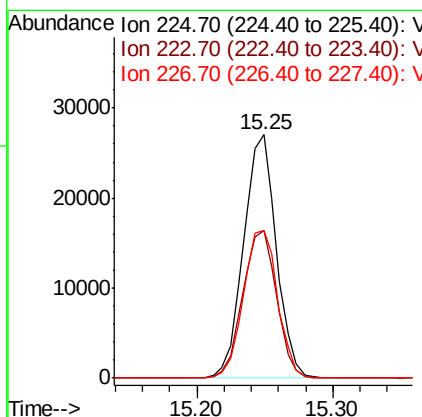
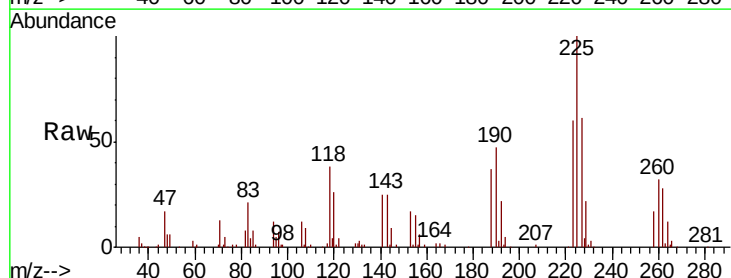
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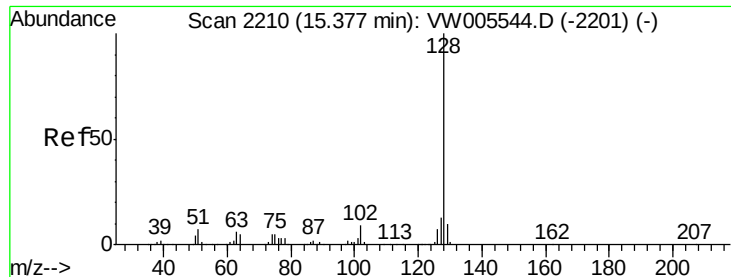
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#94
 Hexachlorobutadiene
 Concen: 20.389 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW005579.D
 Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45443		
223	62.7	31.1	93.3	
227	63.7	31.8	95.3	





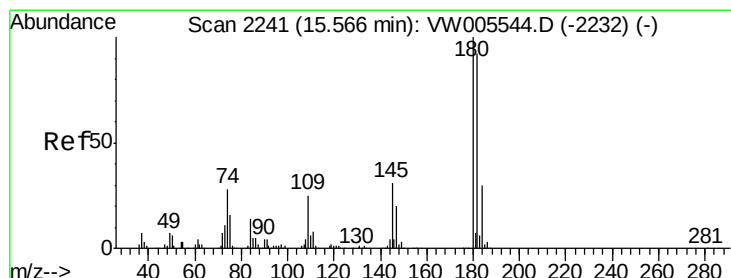
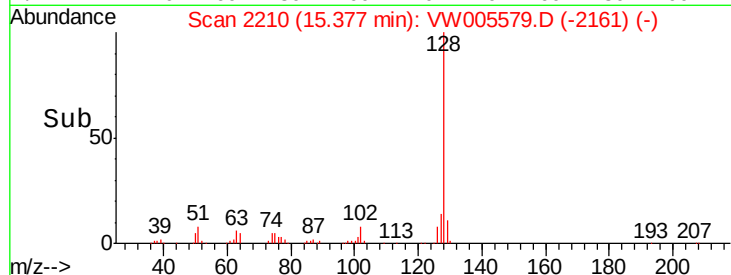
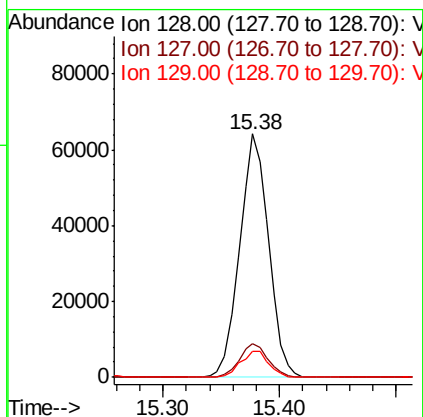
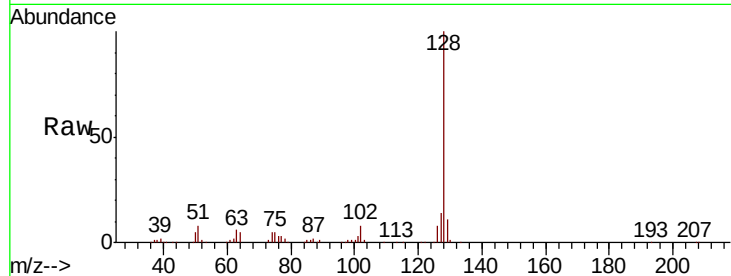
#95
Naphthalene
Concen: 19.169 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Instrument :
MSVOA_W
ClientSampleId :
VW0924SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.9	16.3
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
9/25/2018 11:55:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.016 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005579.D
Acq: 24 Sep 2018 12:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	32.1	16.0	47.9

