

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081718\
 Data File : VW004720.D
 Acq On : 16 Aug 2018 02:20
 Operator : SY/AP
 Sample : J4448-02MS
 Misc : 6.29G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MS

Manual Integrations
 APPROVED

apatel
 8/16/2018 10:01:38 AM

Quant Time: Aug 16 05:50:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W080618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 08:22:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	288780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	431975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162580	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128067	40.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.12%	
35) Dibromofluoromethane	7.88	113	123984	43.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.10%	
50) Toluene-d8	10.33	98	469515	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
62) 4-Bromofluorobenzene	12.62	95	139066	35.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.32%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.01	85	48414m	24.43	ug/l	
3) Chloromethane	2.21	50	68647	24.86	ug/l	97
4) Vinyl Chloride	2.36	62	120951	31.36	ug/l	99
5) Bromomethane	2.78	94	62287	27.74	ug/l	97
6) Chloroethane	2.93	64	71417	30.99	ug/l	97
7) Trichlorofluoromethane	3.26	101	105292	73.92	ug/l	95
8) Diethyl Ether	3.68	74	43287	24.02	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	95683	30.41	ug/l	96
10) Methyl Iodide	4.26	142	102244	21.66	ug/l	99
11) Tert butyl alcohol	5.18	59	24305	129.85	ug/l	99
12) 1,1-Dichloroethene	4.03	96	74102	23.40	ug/l	94
13) Acrolein	3.87	56	721m	3.14	ug/l	
14) Allyl chloride	4.67	41	113267	23.81	ug/l	98
15) Acrylonitrile	5.37	53	70170	87.63	ug/l	98
16) Acetone	4.12	43	73220	91.72	ug/l	97
17) Carbon Disulfide	4.37	76	245364	24.11	ug/l	99
18) Methyl Acetate	4.67	43	129961	65.28	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	139843	32.37	ug/l	95
20) Methylene Chloride	4.91	84	94771	18.77	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	83348	24.42	ug/l	98
22) Diisopropyl ether	6.32	45	219774	22.48	ug/l	98
23) Vinyl Acetate	6.31	43	139743	23.78	ug/l #	75
24) 1,1-Dichloroethane	6.21	63	157766	25.21	ug/l	98
25) 2-Butanone	7.18	43	108255	84.30	ug/l	99
26) 2,2-Dichloropropane	7.17	77	107648	32.77	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	85785	23.36	ug/l	98
28) Bromochloromethane	7.51	49	62219	22.85	ug/l	93
29) Tetrahydrofuran	7.53	42	64709	97.47	ug/l	98
30) Chloroform	7.68	83	157379	25.60	ug/l	99
31) Cyclohexane	7.96	56	145313	24.27	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	140527	30.43	ug/l	99
36) 1,1-Dichloropropene	8.09	75	124483	26.76	ug/l	99
37) Ethyl Acetate	7.26	43	13558	6.22	ug/l #	79
38) Carbon Tetrachloride	8.07	117	122480	29.26	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	131557	23.08	ug/l	99
40) Benzene	8.32	78	363057	26.58	ug/l	98
41) Methacrylonitrile	7.53	41	59182	48.64	ug/l #	36
42) 1,2-Dichloroethane	8.40	62	94155	24.92	ug/l	99
43) Isopropyl Acetate	8.43	43	31680	8.34	ug/l #	60
44) Trichloroethene	9.10	130	89596	26.70	ug/l	95
45) 1,2-Dichloropropane	9.37	63	93396	27.30	ug/l	98
46) Dibromomethane	9.46	93	42561	24.44	ug/l	98
47) Bromodichloromethane	9.65	83	107099	26.06	ug/l	99
48) Methyl methacrylate	9.44	41	41907	23.61	ug/l	98
49) 1,4-Dioxane	9.45	88	12246	460.97	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	245470	92.87	ug/l	99
52) Toluene	10.39	92	215779	26.79	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	88518	21.45	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	105830	22.00	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	61326	24.57	ug/l	98
56) Ethyl methacrylate	10.65	69	16078	5.38	ug/l #	83
57) 1,3-Dichloropropane	10.93	76	103710	24.11	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	133186	89.87	ug/l	99
59) 2-Hexanone	10.98	43	136047	75.92	ug/l	97
60) Dibromochloromethane	11.13	129	65116	23.99	ug/l	98
61) 1,2-Dibromoethane	11.24	107	51760	22.07	ug/l	98
64) Tetrachloroethene	10.87	164	74316	29.53	ug/l	97
65) Chlorobenzene	11.66	112	212611	26.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	77045	28.47	ug/l	99
67) Ethyl Benzene	11.74	91	348573	25.87	ug/l	97
68) m/p-Xylenes	11.85	106	279675	53.70	ug/l	98
69) o-Xylene	12.17	106	126583	26.21	ug/l	98
70) Styrene	12.19	104	59050	7.24	ug/l #	73
71) Bromoform	12.35	173	35956	24.17	ug/l #	100
73) Isopropylbenzene	12.47	105	332062	29.53	ug/l	100
74) N-amyl acetate	12.28	43	10238	3.75	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	67968	28.95	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	53452m	31.77	ug/l	
77) Bromobenzene	12.75	156	80104	29.44	ug/l	96
78) n-propylbenzene	12.81	91	400275	28.85	ug/l	100
79) 2-Chlorotoluene	12.90	91	232958	29.01	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	277638	28.94	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	14638	20.83	ug/l	96
82) 4-Chlorotoluene	12.99	91	242496	28.45	ug/l	99
83) tert-Butylbenzene	13.21	119	243701	30.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	277034	27.90	ug/l	99
85) sec-Butylbenzene	13.39	105	345830	28.49	ug/l	99
86) p-Isopropyltoluene	13.51	119	268905	25.56	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	149627	26.69	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	146984	26.34	ug/l	100
89) n-Butylbenzene	13.83	91	230161	22.27	ug/l	98
90) Hexachloroethane	14.10	117	55110	28.32	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	132184	25.99	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9429	24.58	ug/l	97

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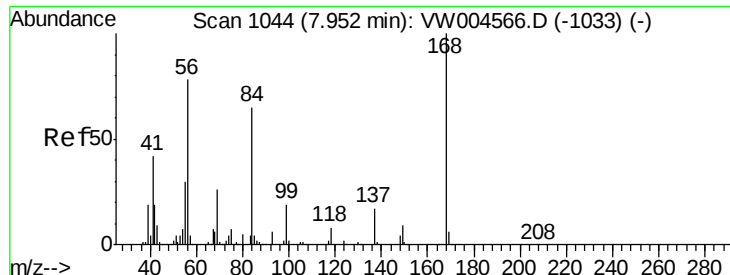
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	55431	15.74	ug/l	99
94) Hexachlorobutadiene	15.24	225	40682	19.84	ug/l	99
95) Naphthalene	15.38	128	96454	15.41	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	47213	14.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion:168 Resp: 288780

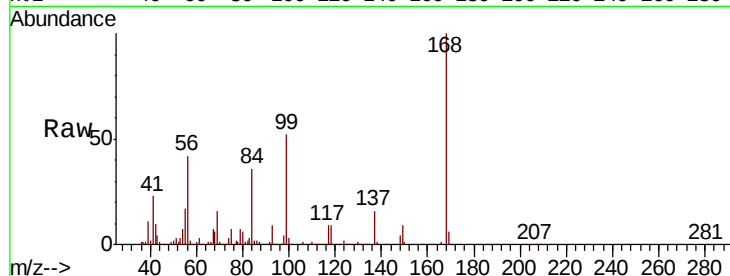
Ion Ratio Lower Upper

168 100

99 51.5 44.1 66.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

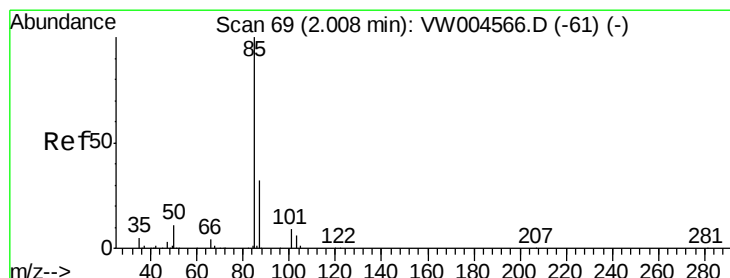
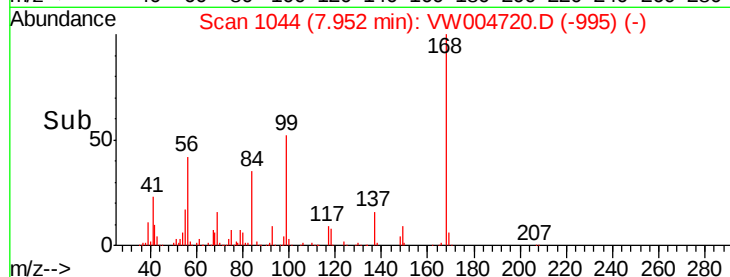
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 24.43 ug/l m

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004720.D

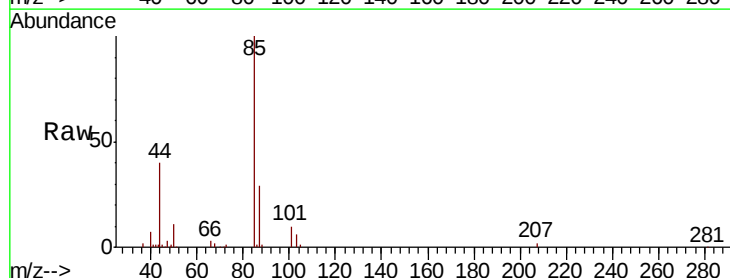
Acq: 16 Aug 2018 02:20

Tgt Ion: 85 Resp: 48414

Ion Ratio Lower Upper

85 100

87 29.3 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

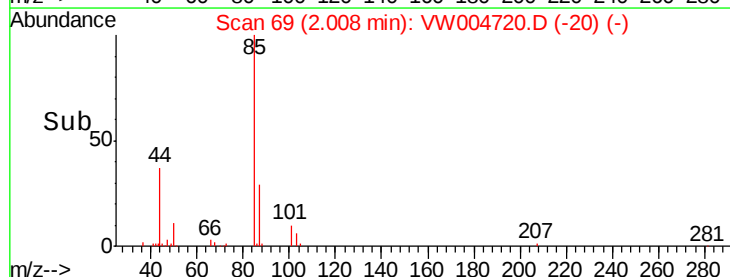
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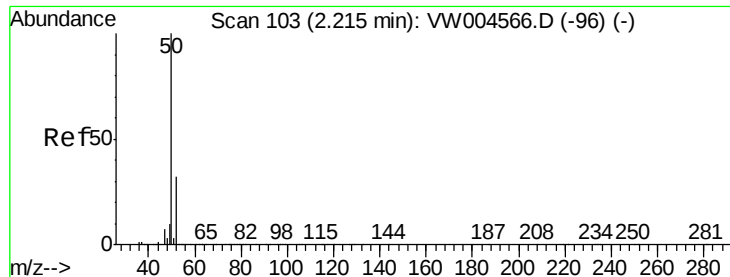
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 24.86 ug/l

RT: 2.21 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 50 Resp: 68647

Ion Ratio Lower Upper

50 100

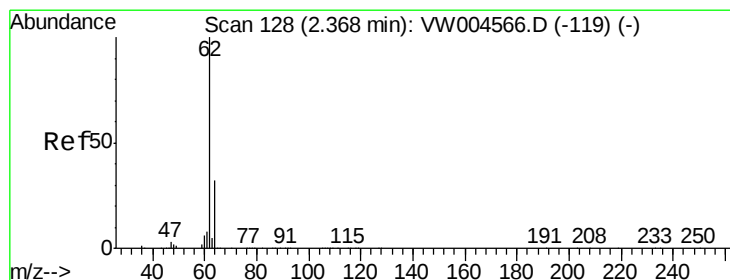
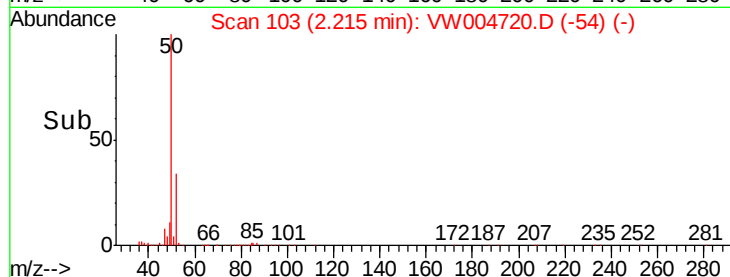
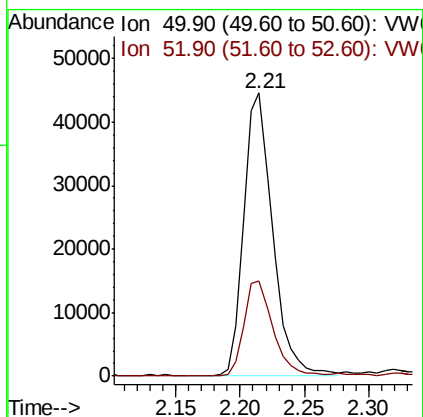
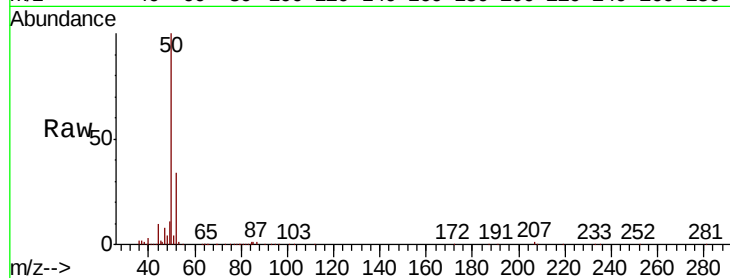
52 33.8 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 31.36 ug/l

RT: 2.36 min Scan# 127

Delta R.T. -0.01 min

Lab File: VW004720.D

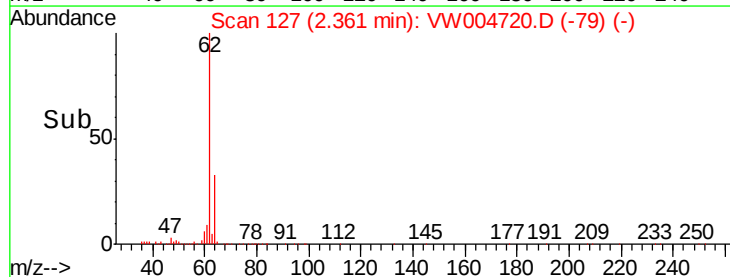
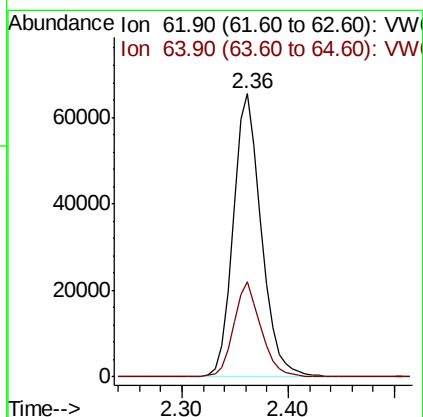
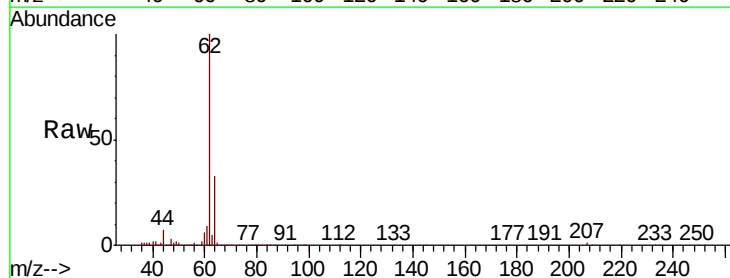
Acq: 16 Aug 2018 02:20

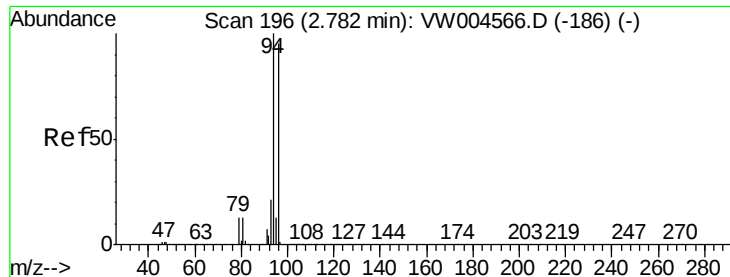
Tgt Ion: 62 Resp: 120951

Ion Ratio Lower Upper

62 100

64 33.5 26.2 39.2





#5

Bromomethane

Concen: 27.74 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 94 Resp: 62287

Ion Ratio Lower Upper

94 100

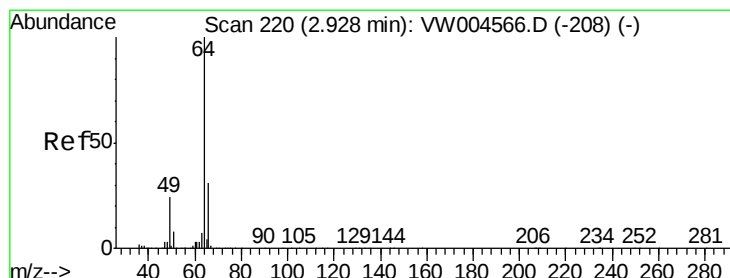
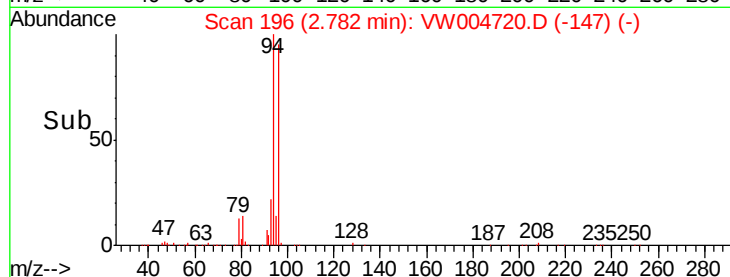
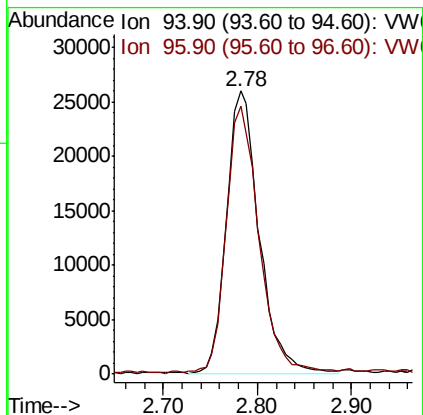
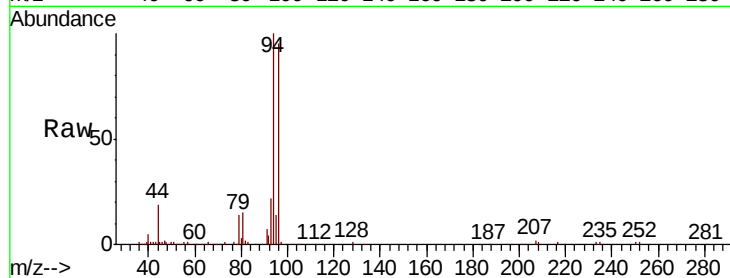
96 94.0 72.9 109.3

Manual Integrations

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#6

Chloroethane

Concen: 30.99 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004720.D

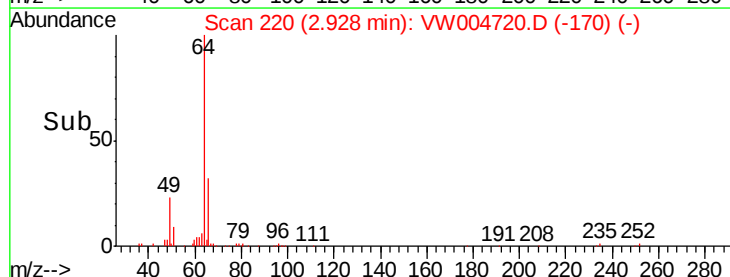
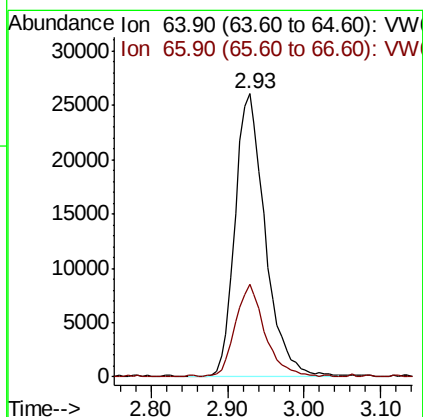
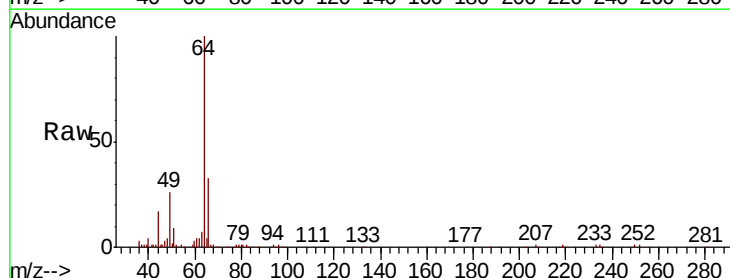
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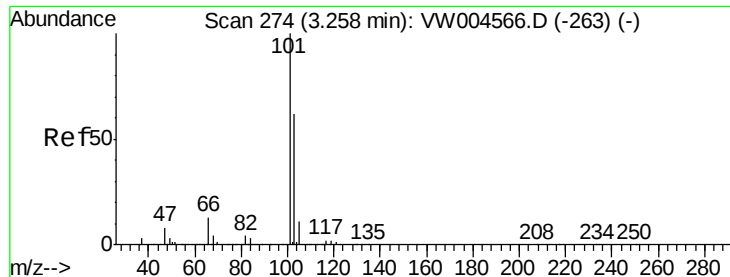
Tgt Ion: 64 Resp: 71417

Ion Ratio Lower Upper

64 100

66 32.4 24.6 36.8





#7

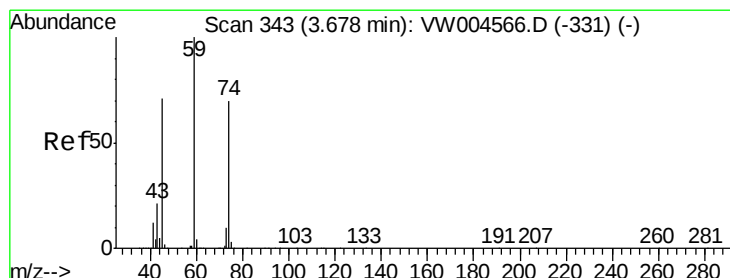
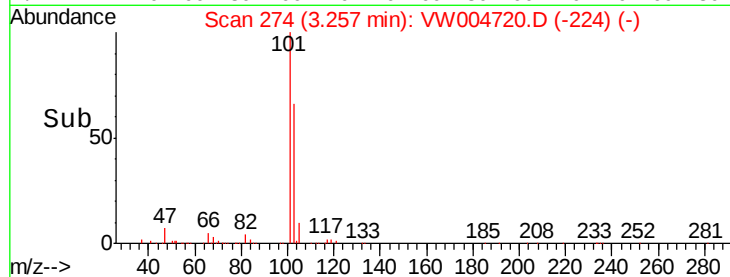
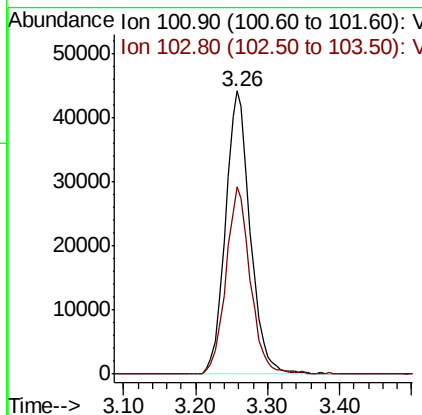
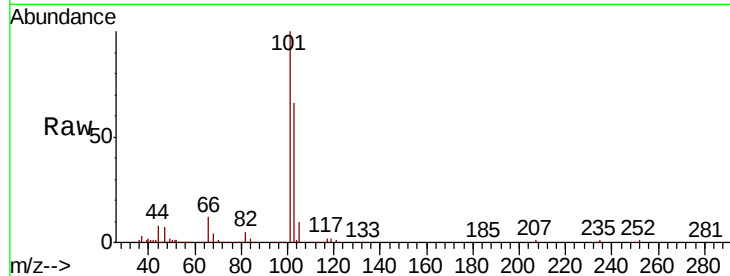
Trichlorofluoromethane
 Concen: 73.92 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	105292		
103	66.1	49.8	74.8	

Manual Integrations
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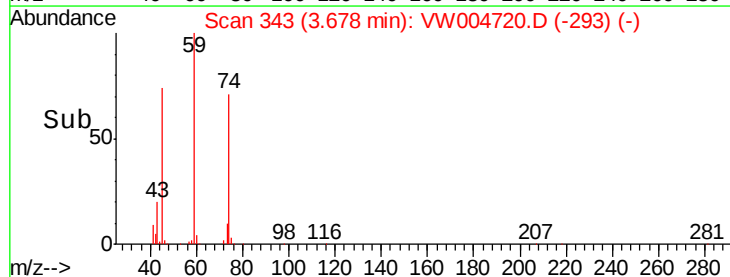
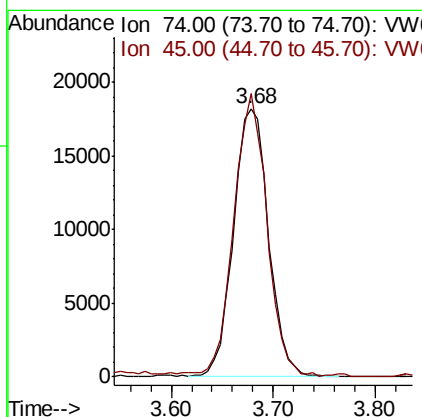
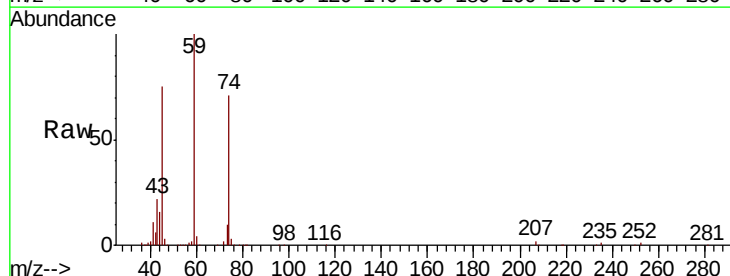
apatel
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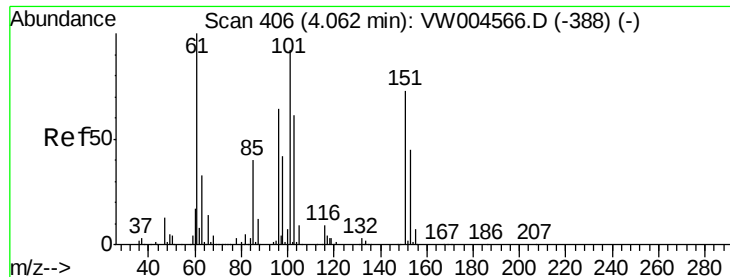


#8

Diethyl Ether
 Concen: 24.02 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43287		
45	98.8	51.2	153.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.41 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004720.D

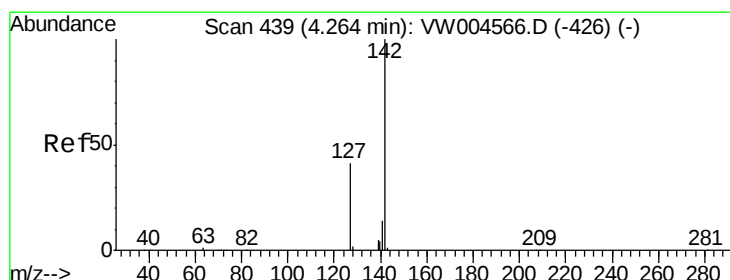
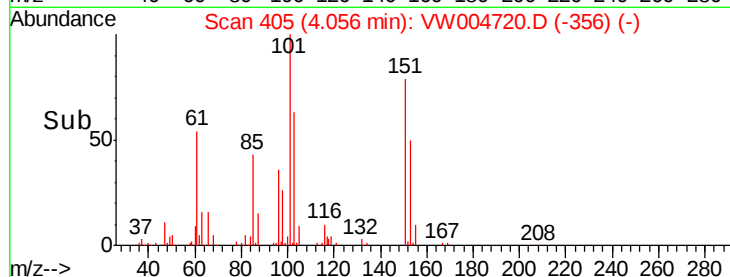
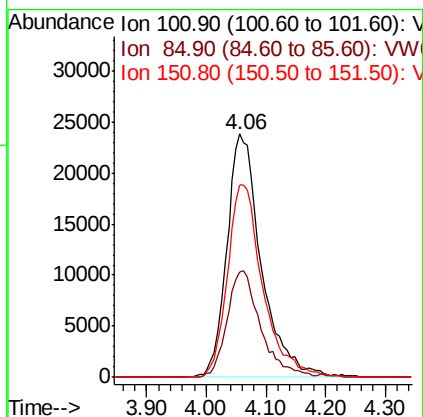
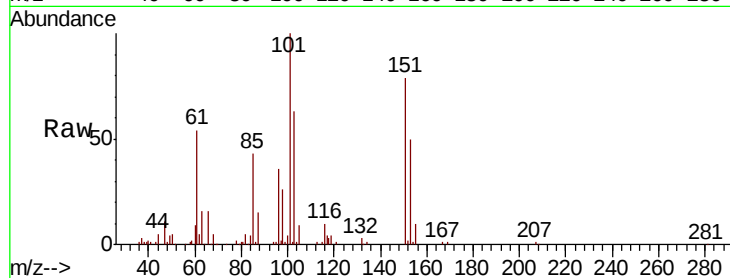
Acq: 16 Aug 2018 02:20

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Tot Ion:	101	Resp:	95683
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.6	51.8
151	81.2	61.3	91.9

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#10

Methyl Iodide

Concen: 21.66 ug/l

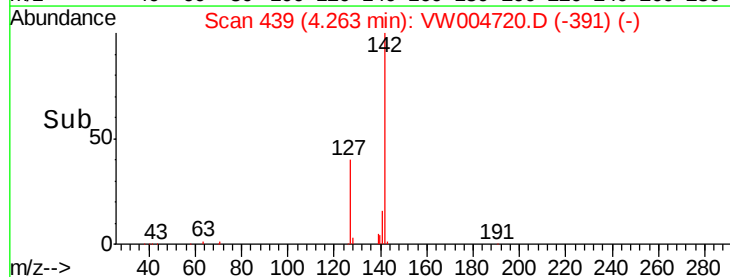
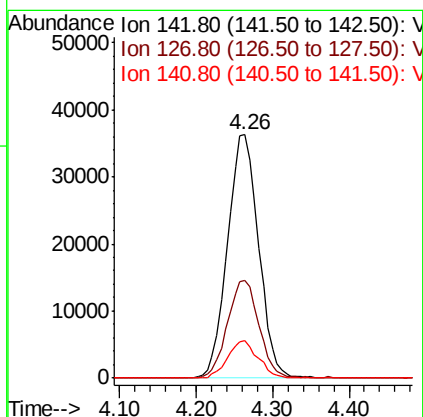
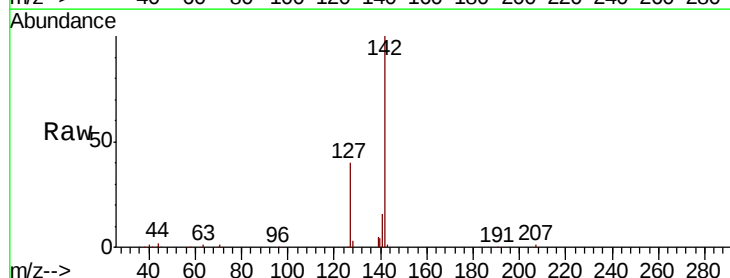
RT: 4.26 min Scan# 439

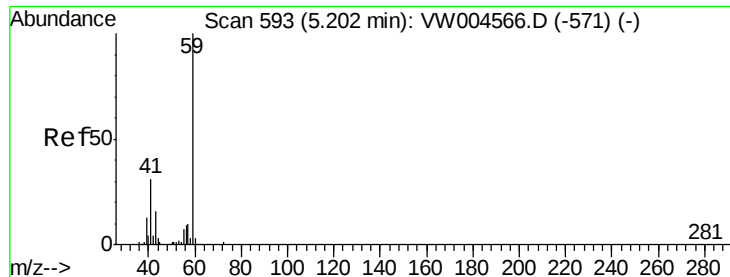
Delta R.T. -0.01 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	142	Resp:	102244
Ion Ratio	Lower	Upper	
142	100		
127	40.7	32.7	49.1
141	15.0	11.5	17.3





#11

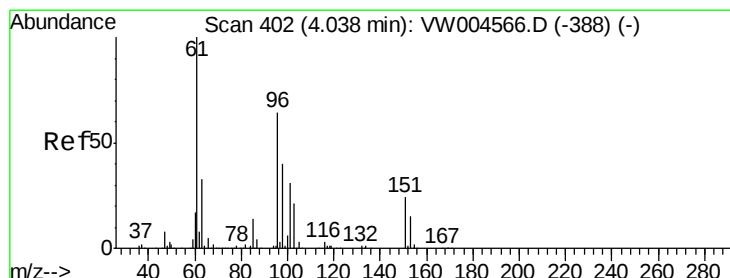
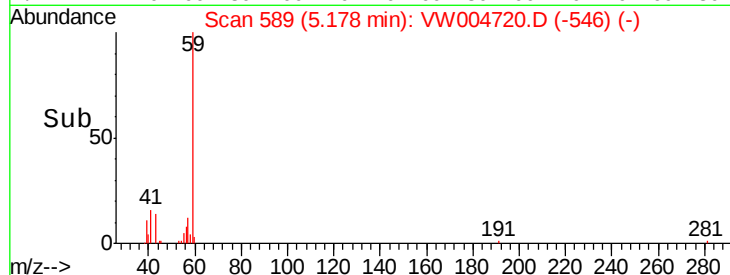
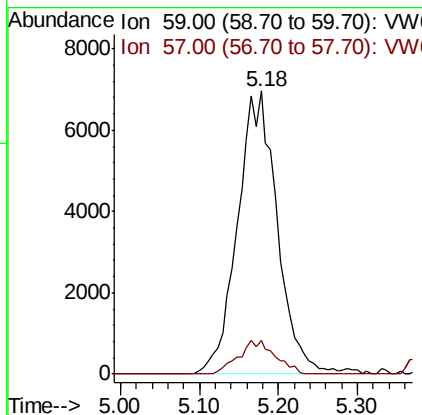
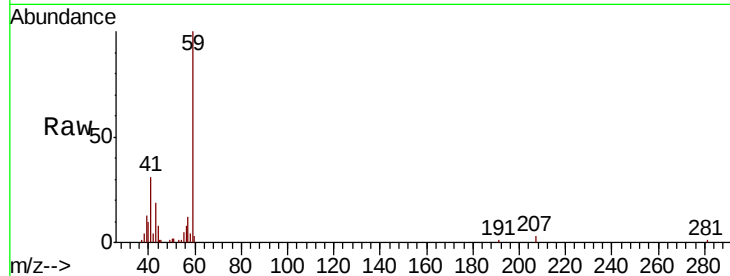
Tert butyl alcohol
Concen: 129.85 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.04 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	9.1	13.7

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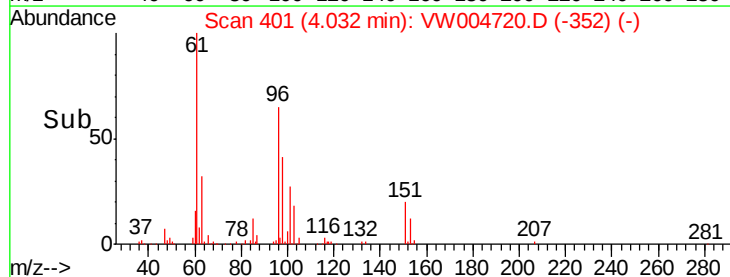
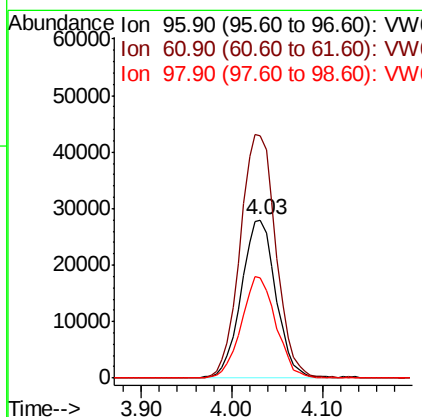
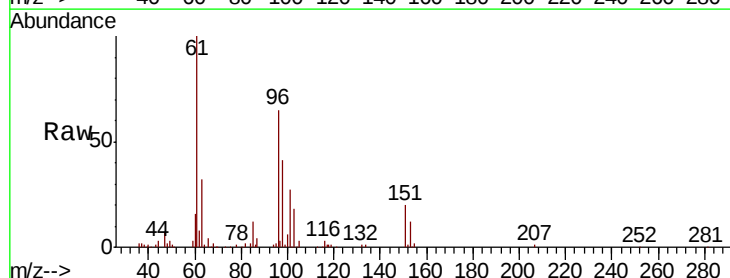
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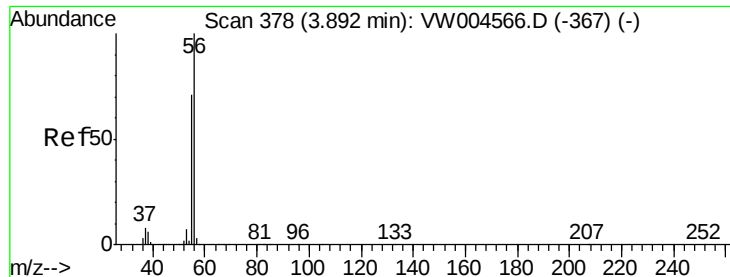


#12

1,1-Dichloroethene
Concen: 23.40 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.4	130.6	195.8
98	63.0	49.6	74.4





#13

Acrolein

Concen: 3.14 ug/l m

RT: 3.87 min Scan# 375

Delta R.T. -0.02 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 56 Resp: 721

Ion Ratio Lower Upper

56 100

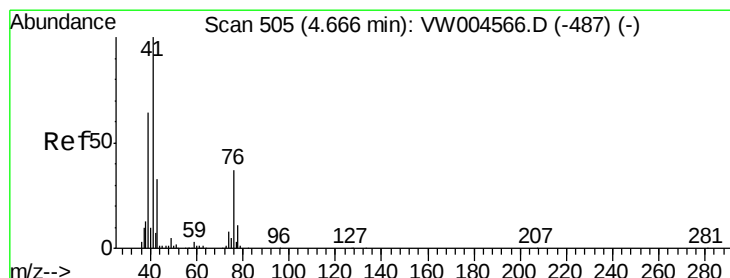
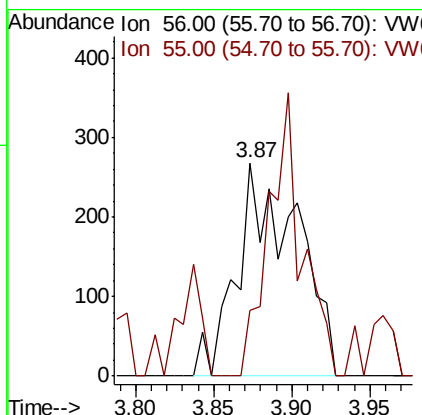
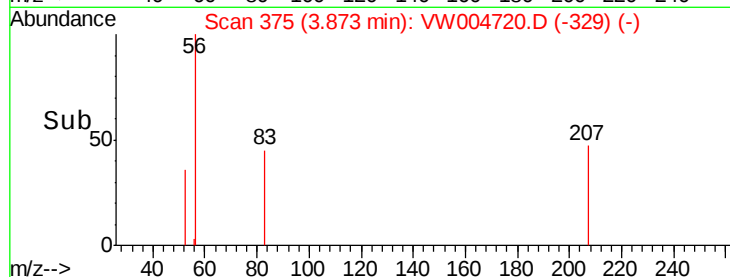
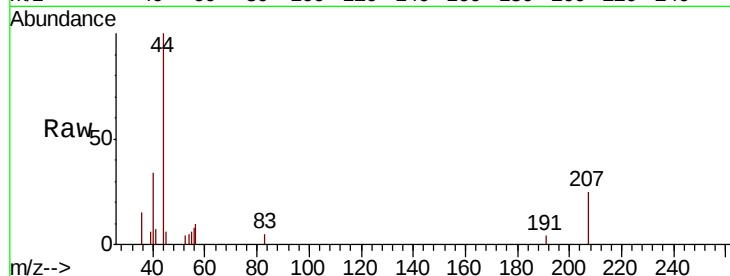
55 0.0 56.7 85.1#

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#14

Allyl chloride

Concen: 23.81 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

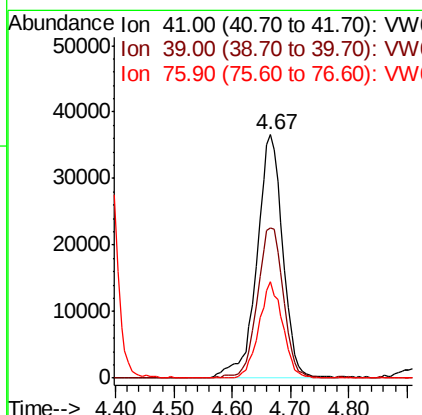
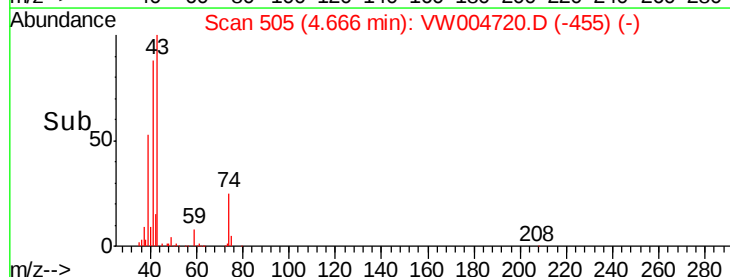
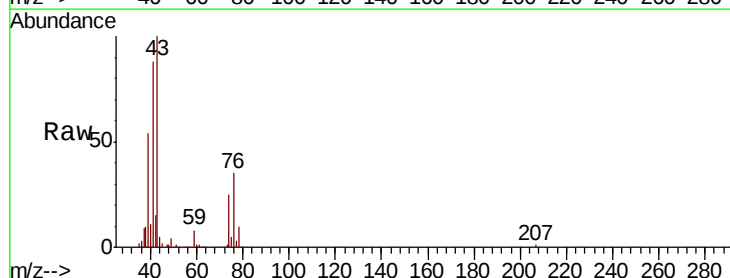
Tgt Ion: 41 Resp: 113267

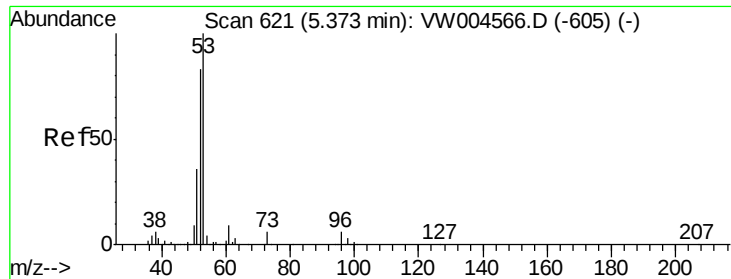
Ion Ratio Lower Upper

41 100

39 62.5 51.9 77.9

76 36.3 29.0 43.6





#15

Acrylonitrile

Concen: 87.63 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW004720.D

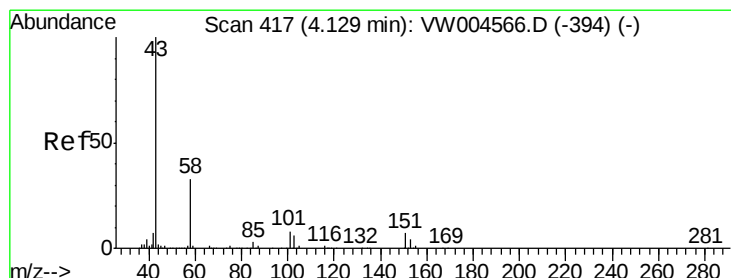
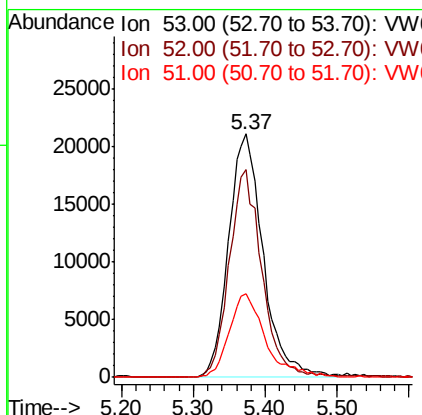
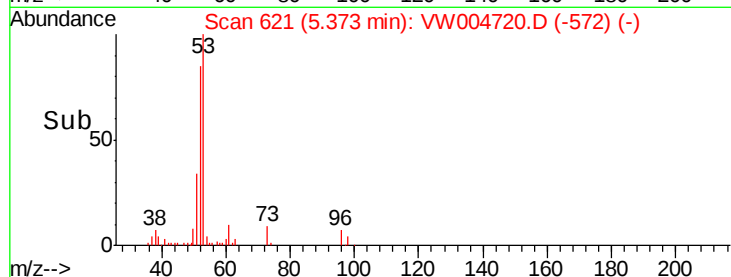
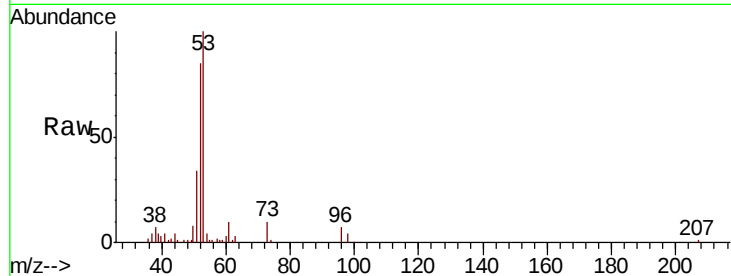
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion:	53	Resp:	70170
Ion	Ratio	Lower	Upper
53	100		
52	80.4	66.5	99.7
51	36.0	28.4	42.6

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#16

Acetone

Concen: 91.72 ug/l

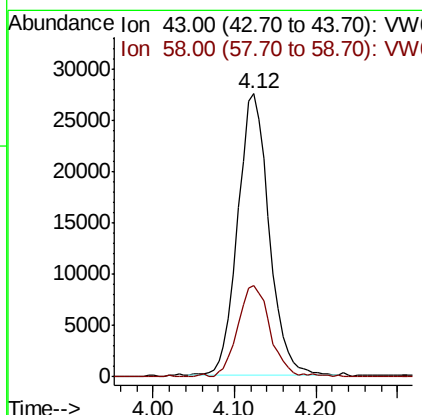
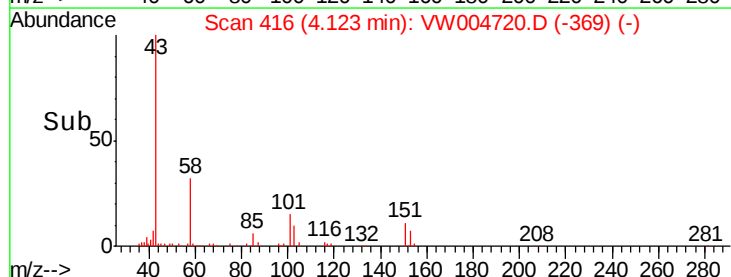
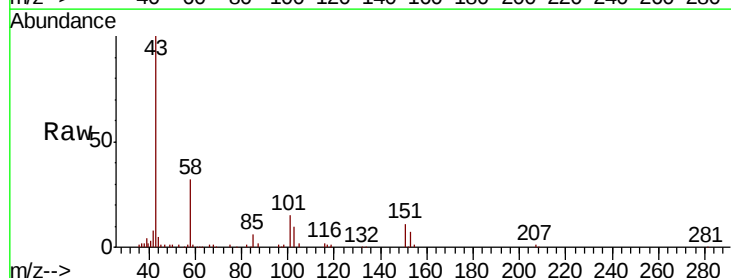
RT: 4.12 min Scan# 416

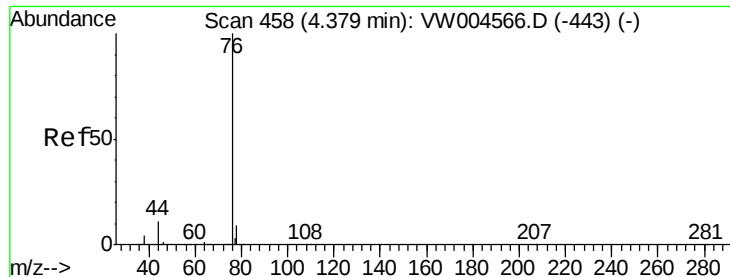
Delta R.T. -0.01 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	43	Resp:	73220
Ion	Ratio	Lower	Upper
43	100		
58	32.1	26.8	40.2





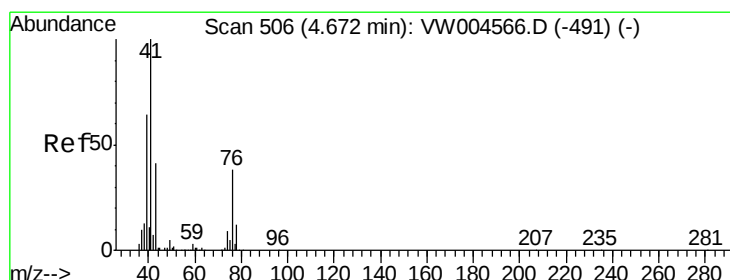
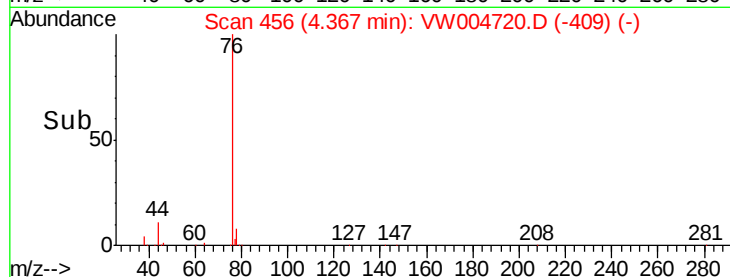
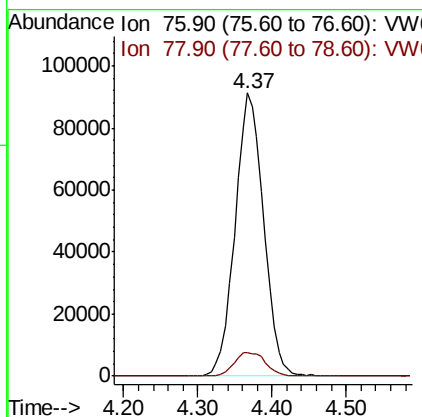
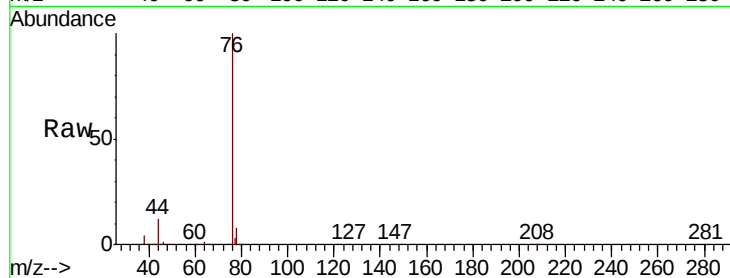
#17
Carbon Disulfide
Concen: 24.11 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

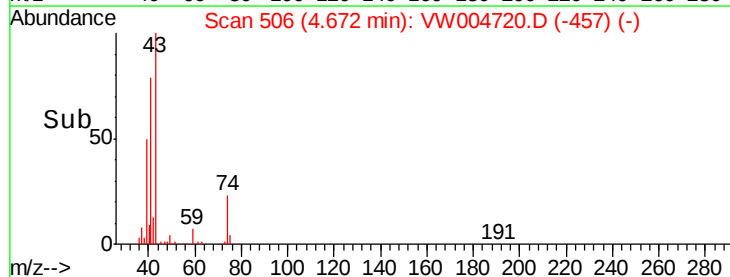
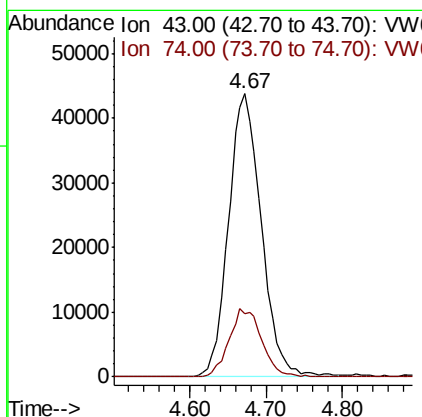
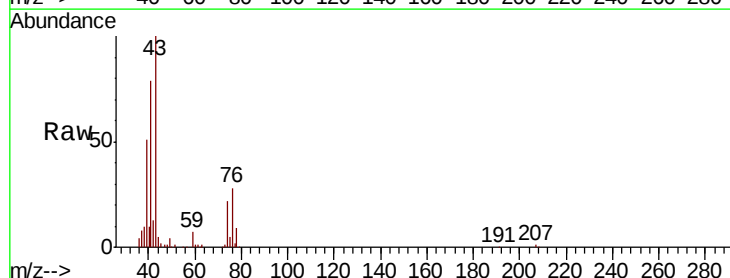
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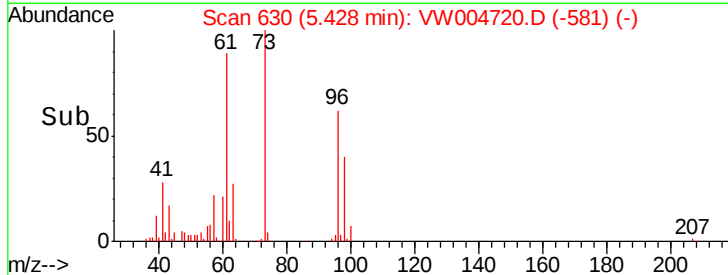
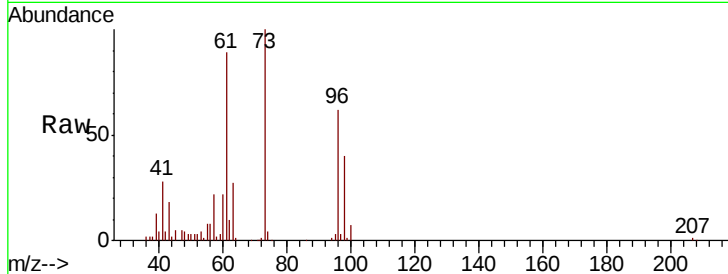
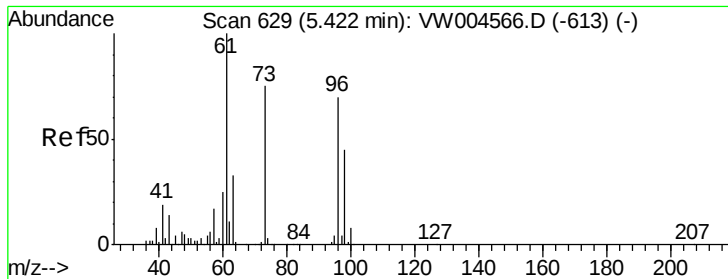
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#18
Methyl Acetate
Concen: 65.28 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.1	28.7





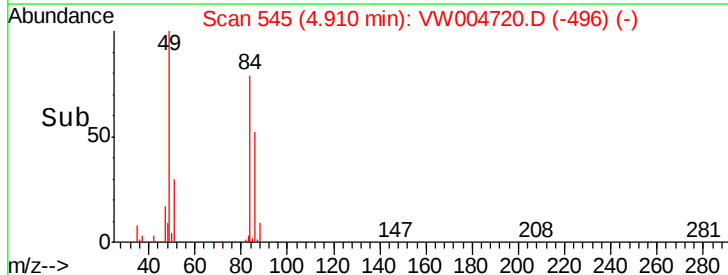
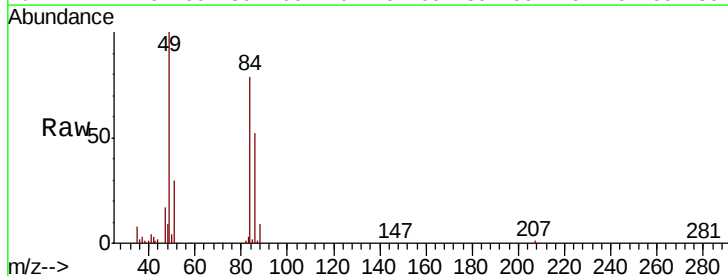
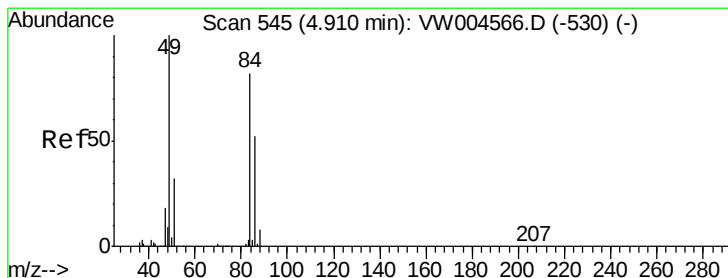
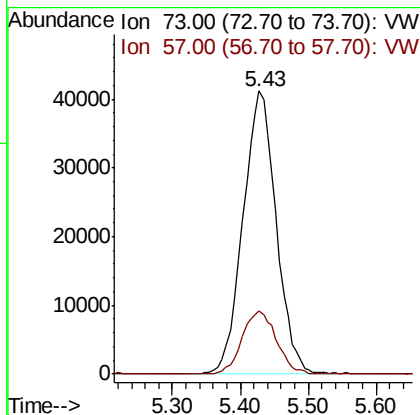
#19
Methvl tert-butvl Ether
Concen: 32.37 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tot Ion: 73 Resp: 139843
Ion Ratio Lower Upper
73 100
57 22.2 19.6 29.4

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

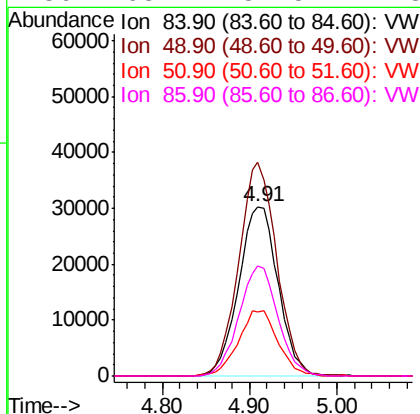
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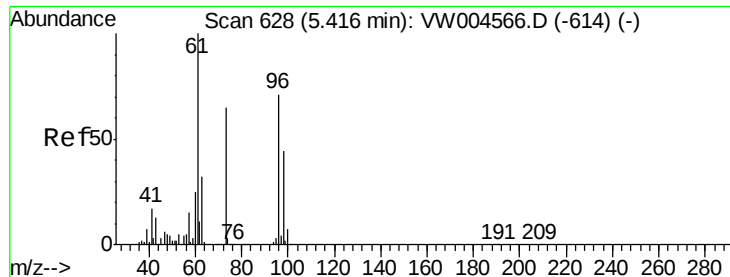
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#20
Methylene Chloride
Concen: 18.77 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion: 84 Resp: 94771
Ion Ratio Lower Upper
84 100
49 125.6 99.6 149.4
51 37.9 31.0 46.4
86 65.2 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 24.42 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

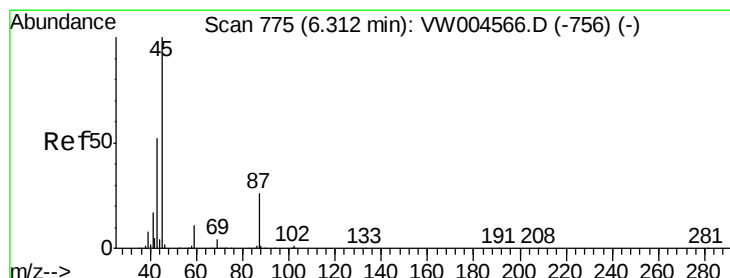
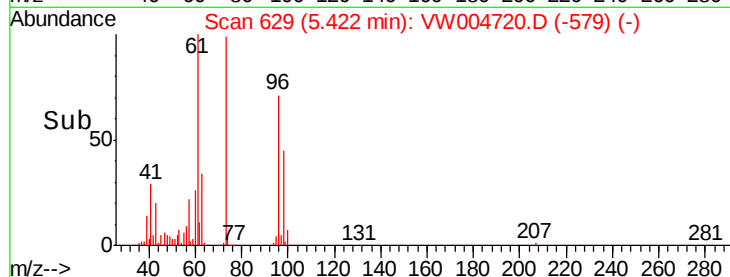
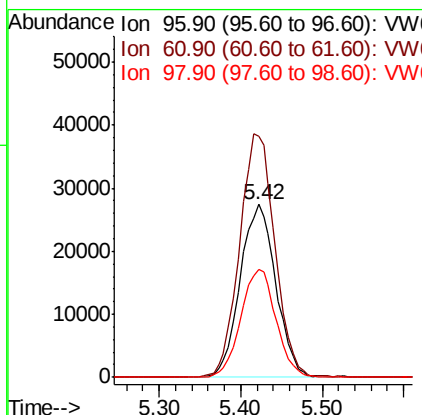
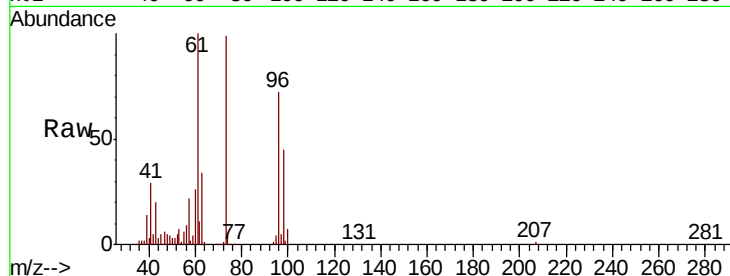
ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion:	96	Resp:	83348
Ion	Ratio	Lower	Upper
96	100		
61	139.7	114.1	171.1
98	62.4	51.4	77.2

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#22

Diisopropyl ether

Concen: 22.48 ug/l

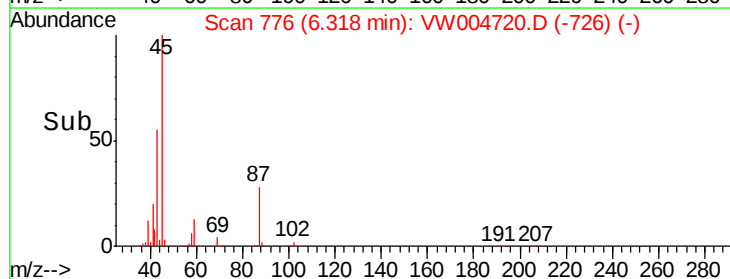
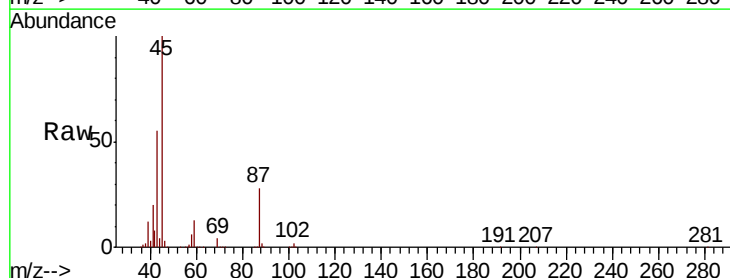
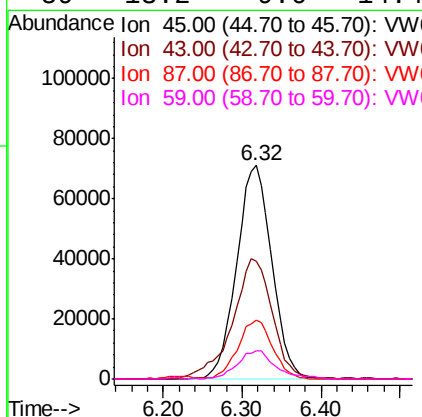
RT: 6.32 min Scan# 776

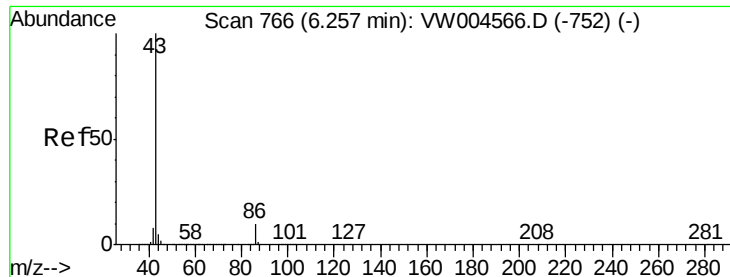
Delta R.T. 0.01 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	45	Resp:	219774
Ion	Ratio	Lower	Upper
45	100		
43	54.8	42.4	63.6
87	27.6	21.6	32.4
59	13.2	9.6	14.4





#23

Vinyl Acetate

Concen: 23.78 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.05 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 43 Resp: 139743

Ion Ratio Lower Upper

43 100

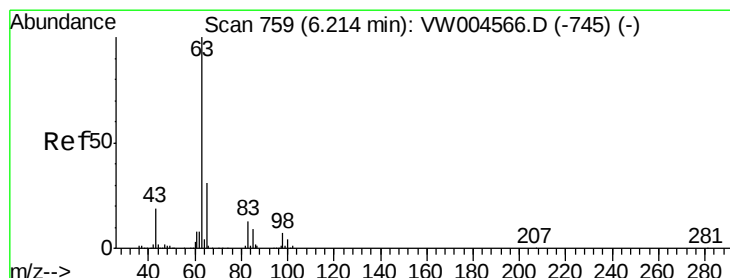
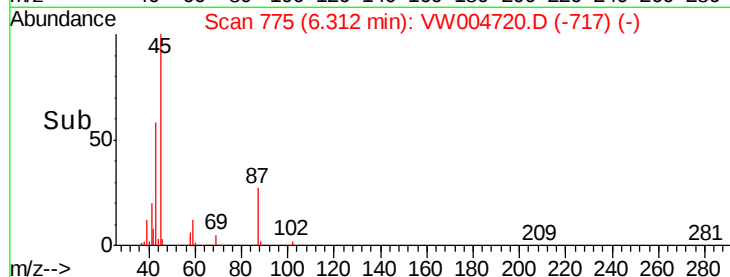
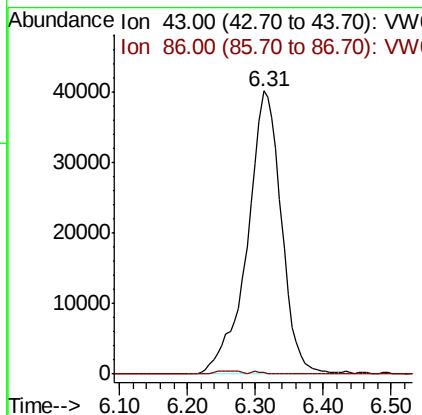
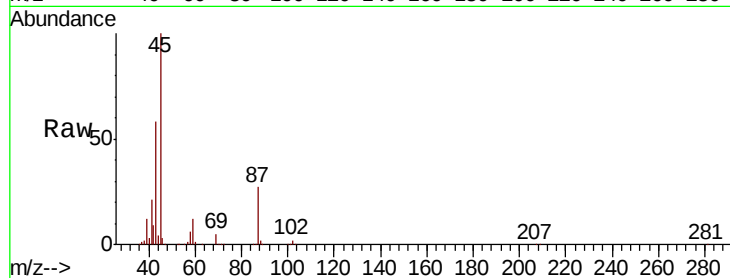
86 0.7 7.9 11.9#

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#24

1,1-Dichloroethane

Concen: 25.21 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

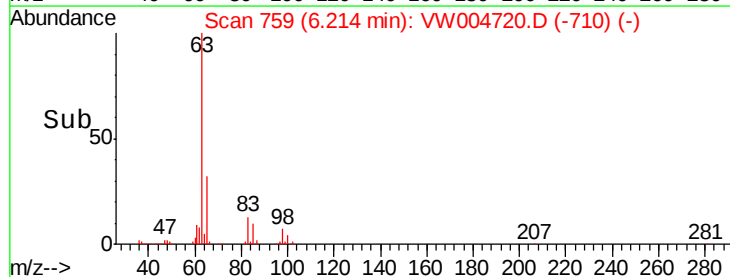
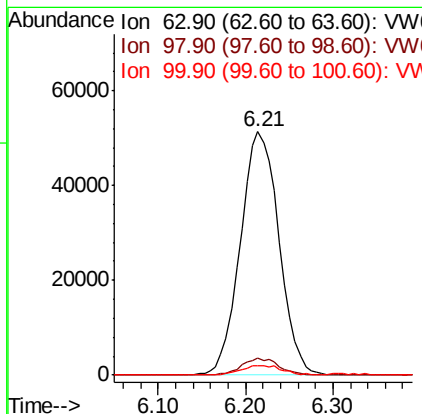
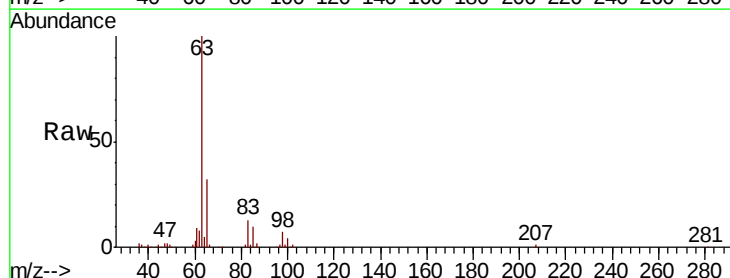
Tgt Ion: 63 Resp: 157766

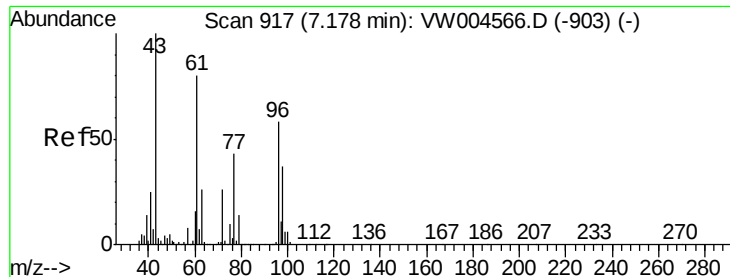
Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.3

100 3.7 2.1 6.5





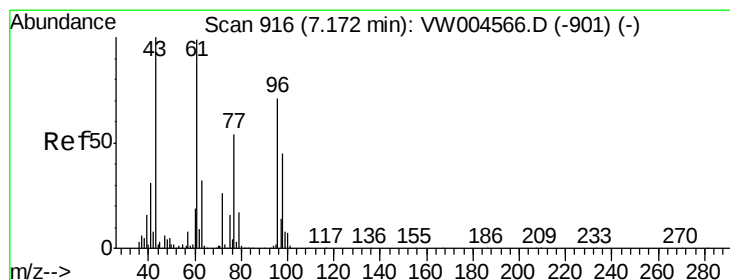
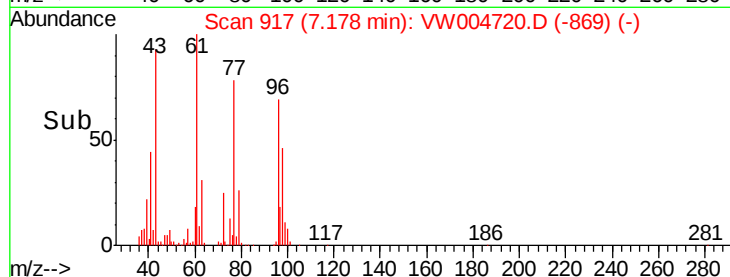
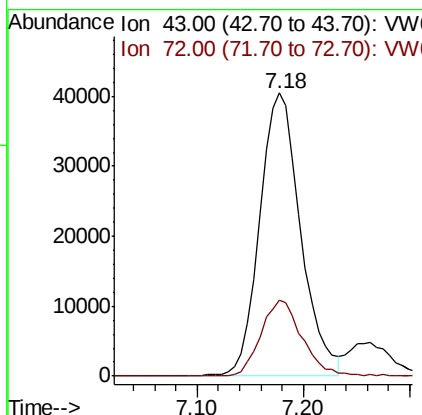
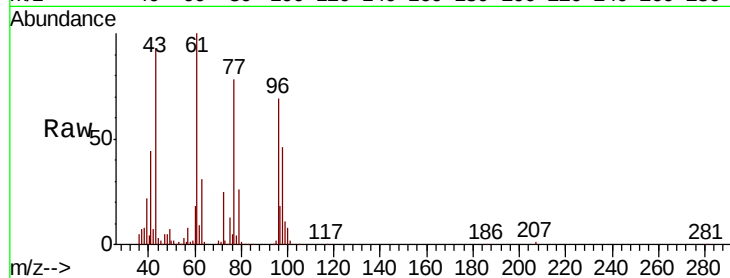
#25
2-Butanone
Concen: 84.30 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.9	21.0	31.6

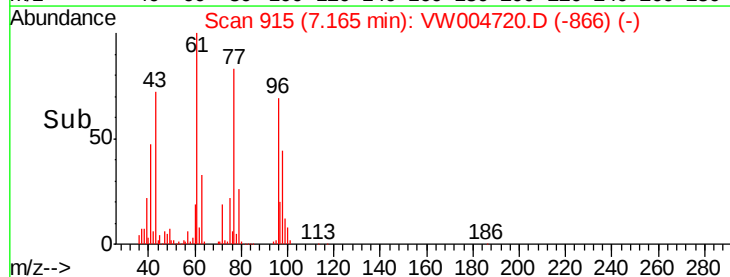
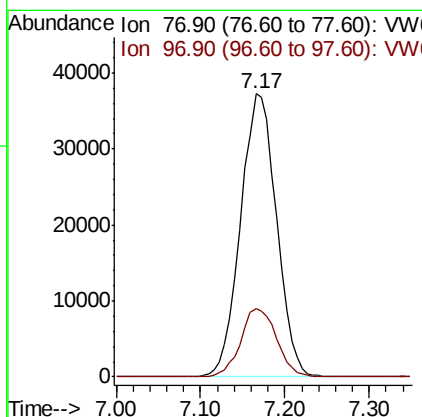
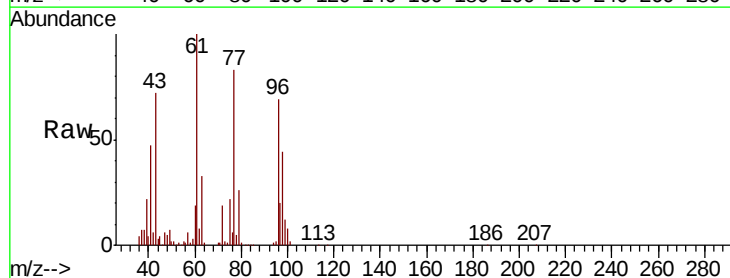
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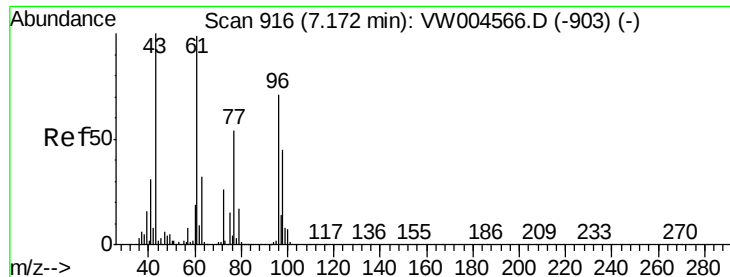
apatel
8/16/2018 10:01:38 AM



#26
2,2-Dichloropropane
Concen: 32.77 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
77	100		
97	24.1	12.5	37.5





#27

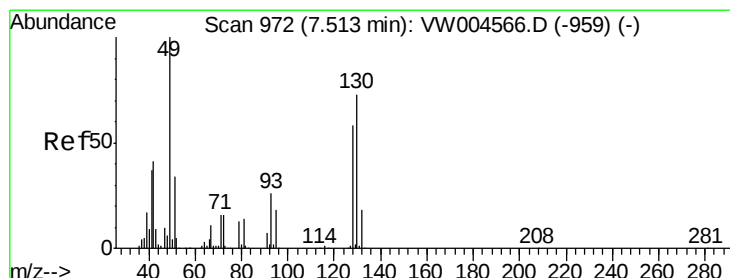
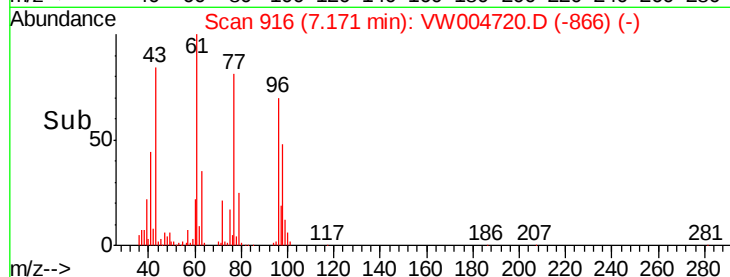
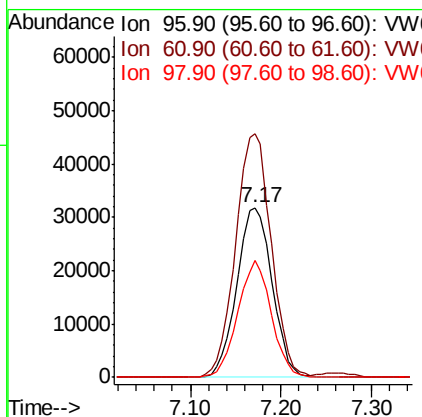
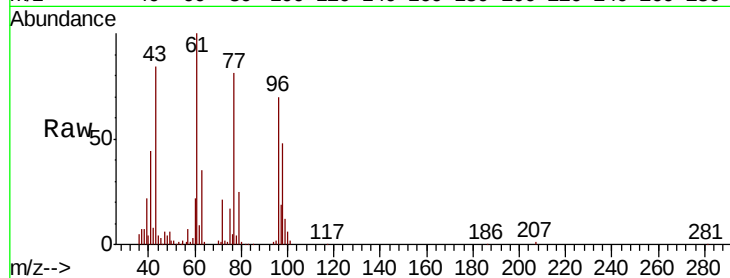
cis-1,2-Dichloroethene
Concen: 23.36 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	85785		
61	145.0		0.0	285.0
98	65.5		0.0	128.6

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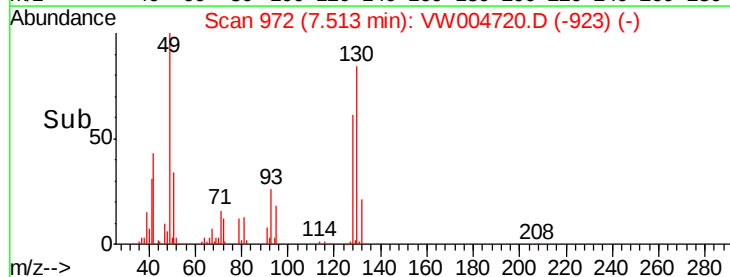
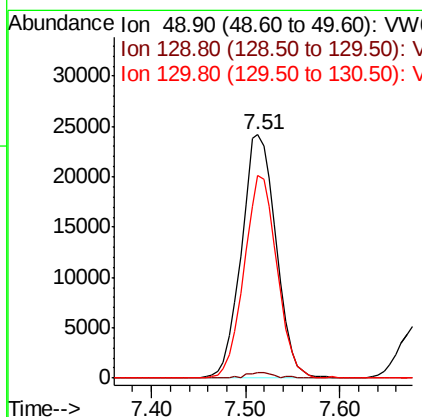
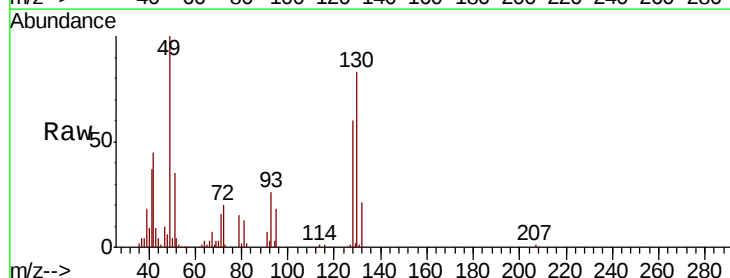
apatel
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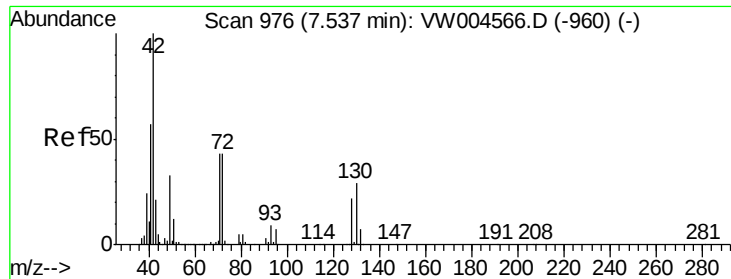


#28

Bromochloromethane
Concen: 22.85 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	62219		
129	1.9		0.0	4.0
130	79.3		58.8	88.2





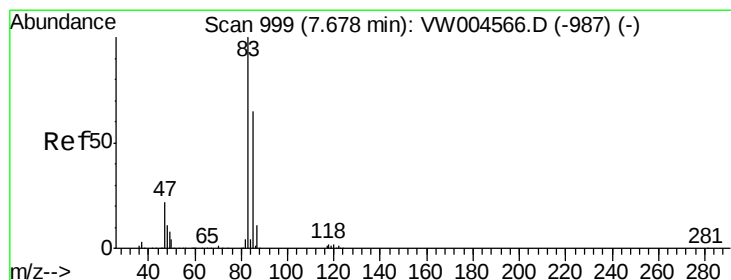
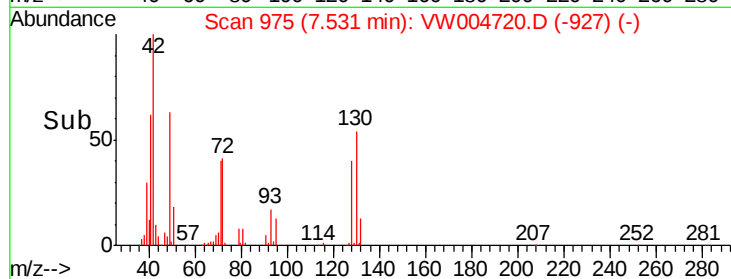
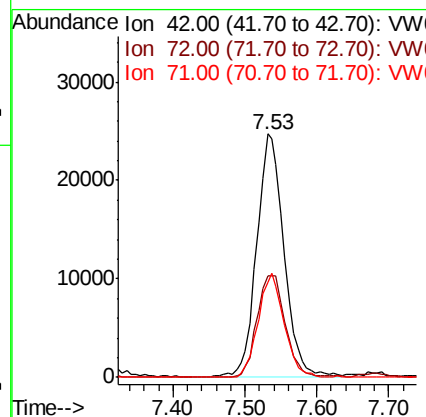
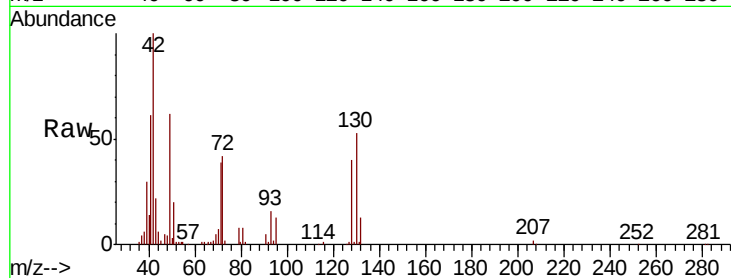
#29
Tetrahydrofuran
Concen: 97.47 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.1	51.1
71	40.8	32.5	48.7

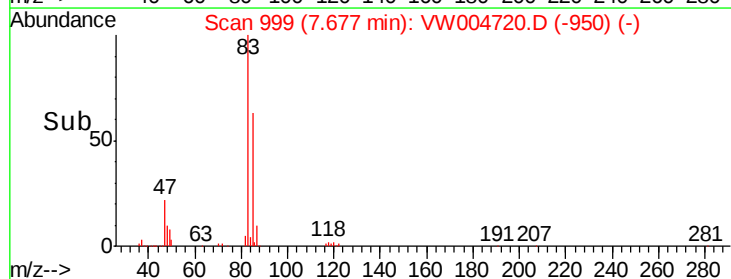
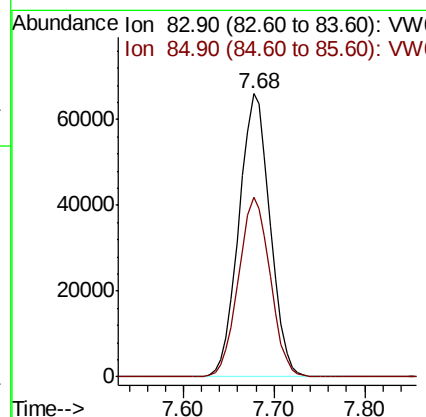
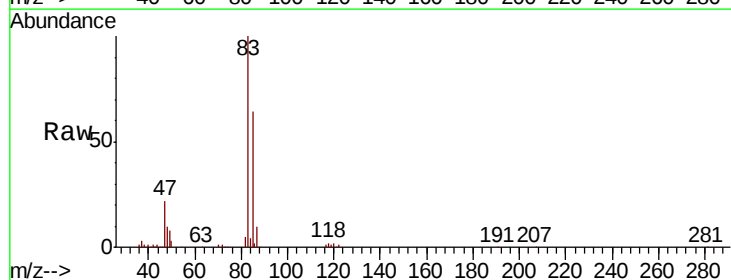
Manual Integrations
APPROVED

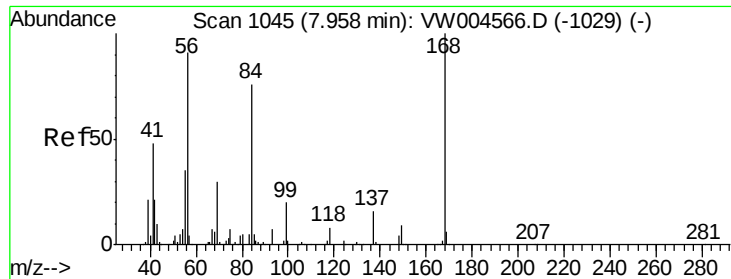
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#30
Chloroform
Concen: 25.60 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.3	76.9





#31

Cyclohexane

Concen: 24.27 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW004720.D

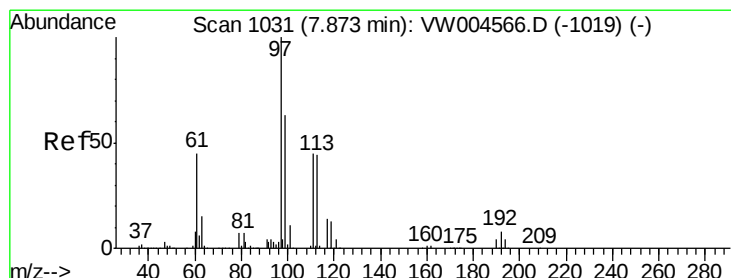
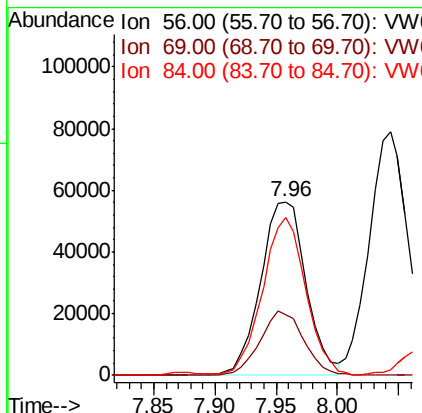
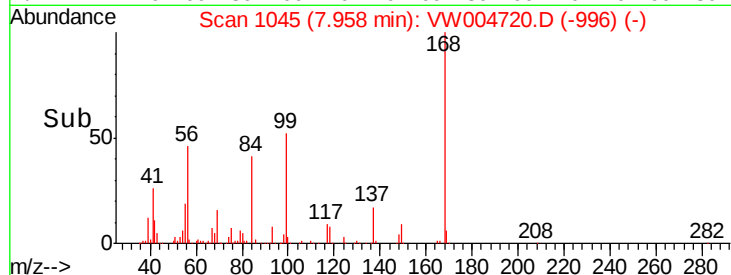
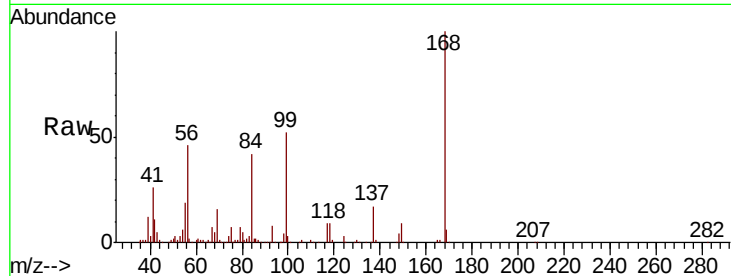
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion:	56	Resp:	145313
Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.4	39.6
84	89.7	66.9	100.3

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#32

1,1,1-Trichloroethane

Concen: 30.43 ug/l

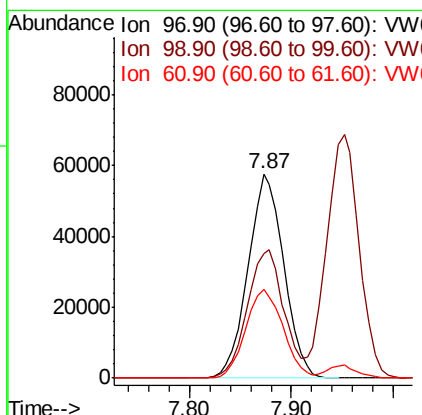
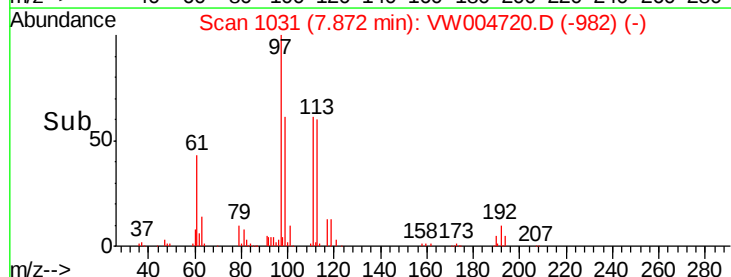
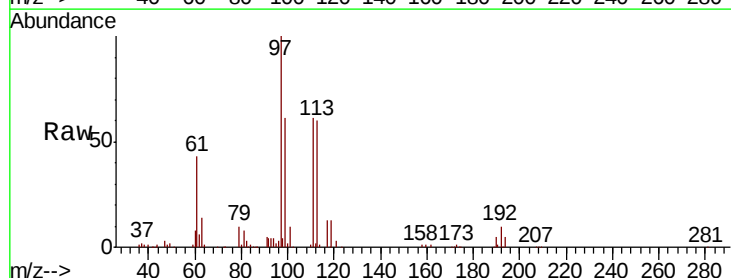
RT: 7.87 min Scan# 1031

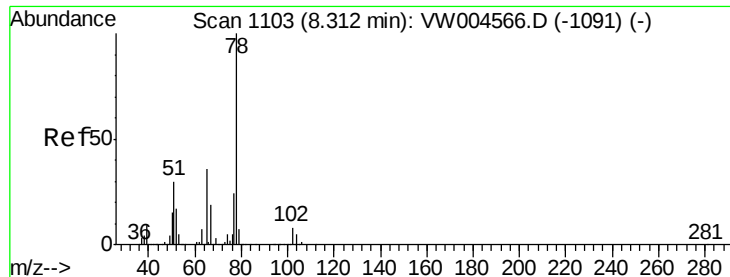
Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	97	Resp:	140527
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	45.3	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 40.06 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 65 Resp: 128067

Ion Ratio Lower Upper

65 100

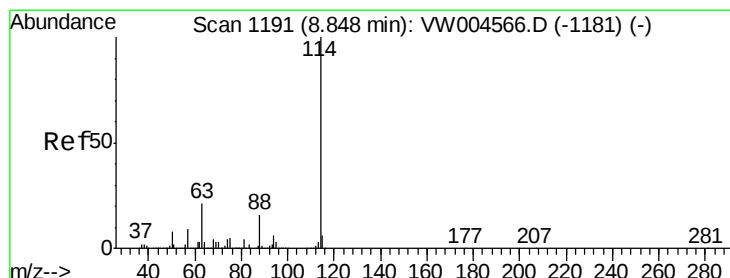
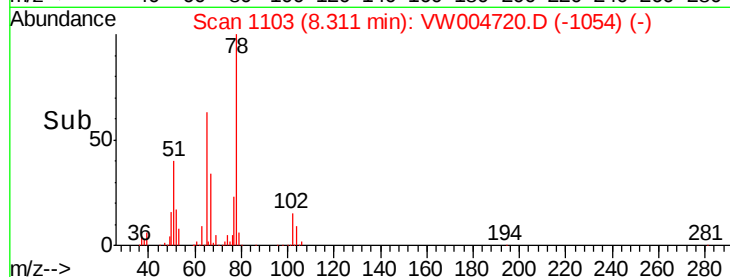
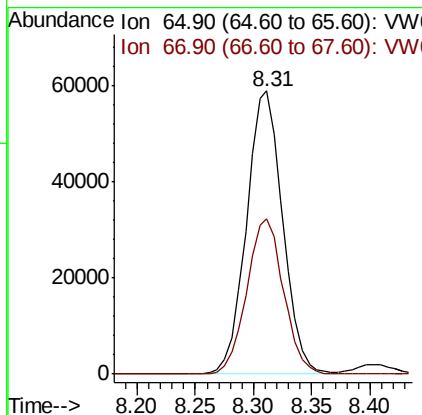
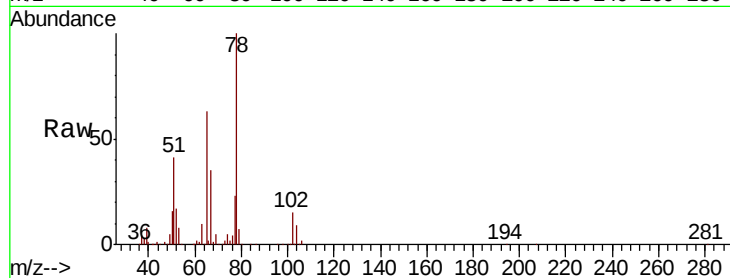
67 55.7 0.0 109.0

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

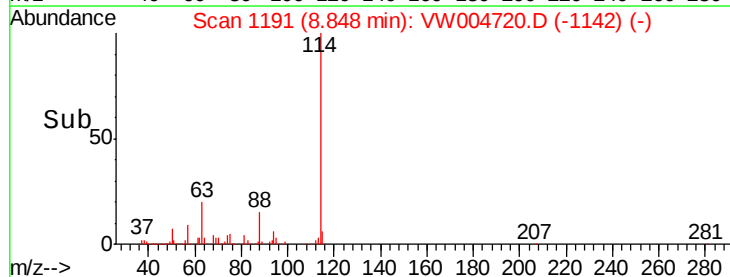
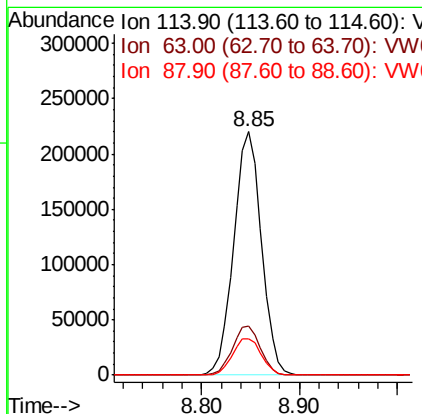
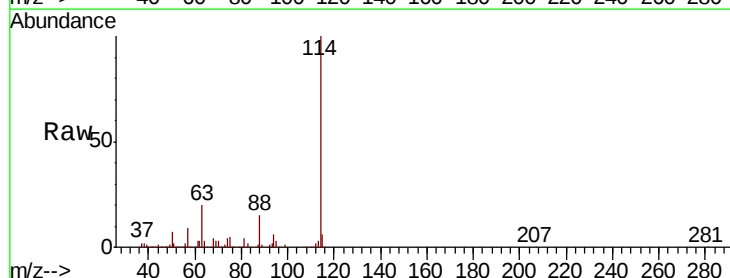
Tgt Ion: 114 Resp: 431975

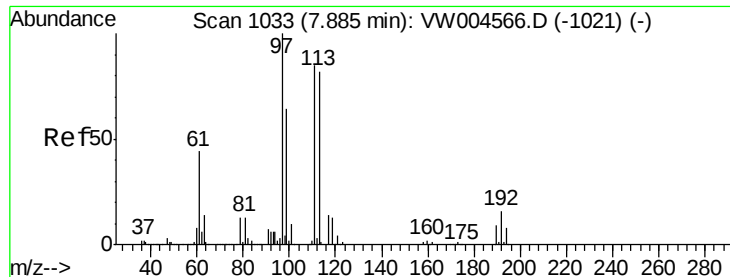
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.8 0.0 31.2





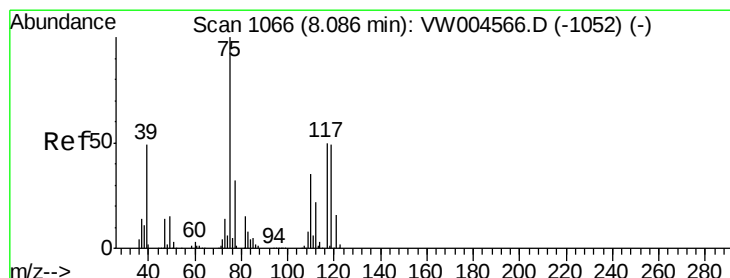
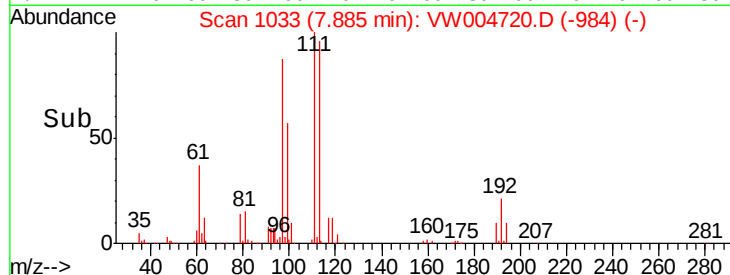
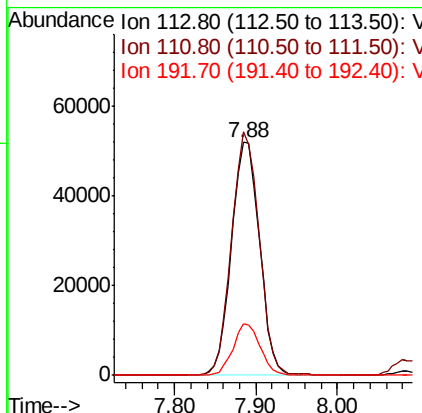
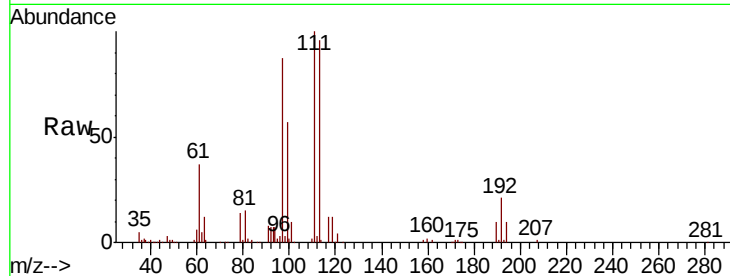
#35
 Dibromofluoromethane
 Concen: 43.05 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	21.0	15.8	23.6

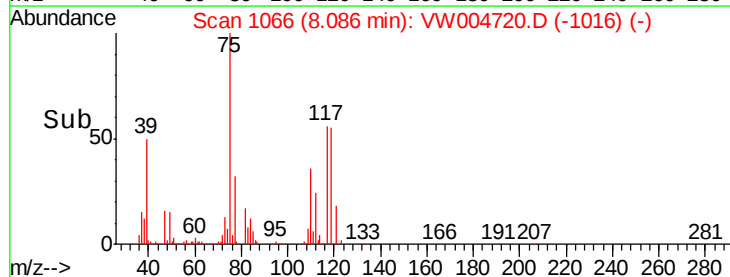
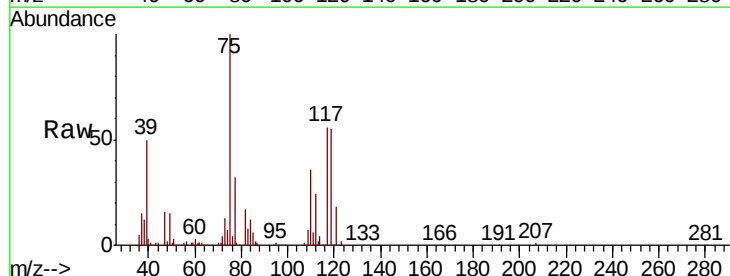
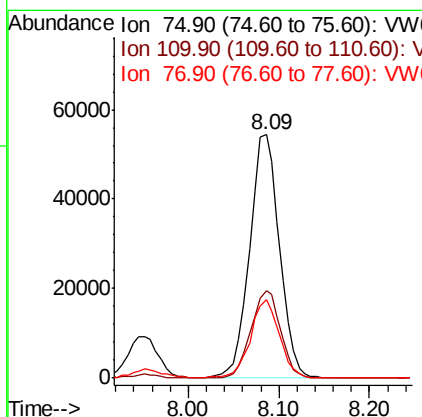
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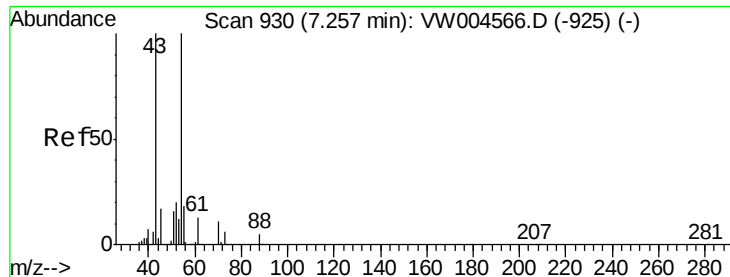
apatel
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#36
 1,1-Dichloropropene
 Concen: 26.76 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.4	52.2
77	31.3	24.7	37.1





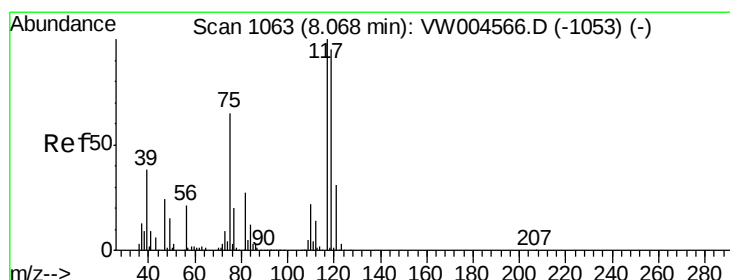
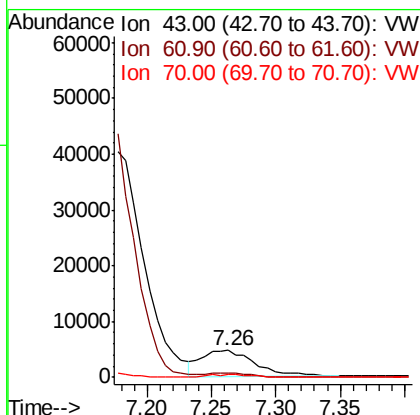
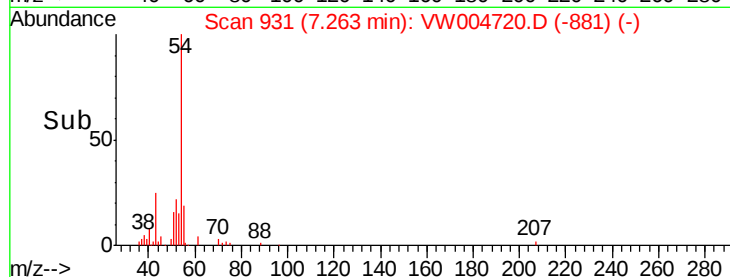
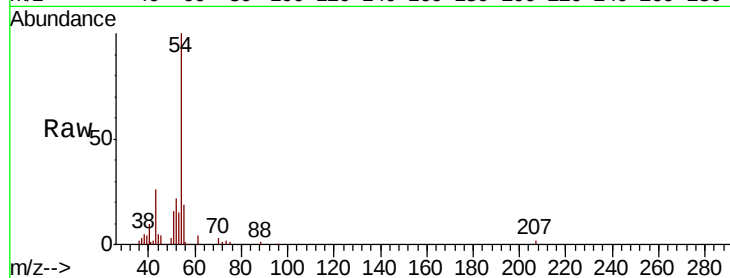
#37
Ethyl Acetate
Concen: 6.22 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.9	17.9#
70	10.1	8.2	12.4

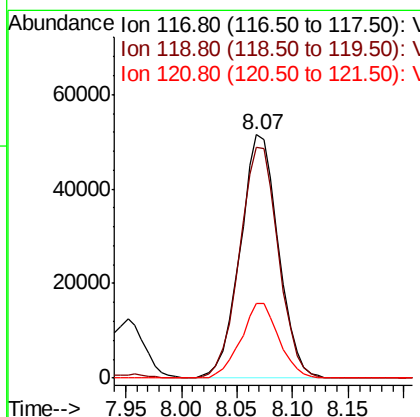
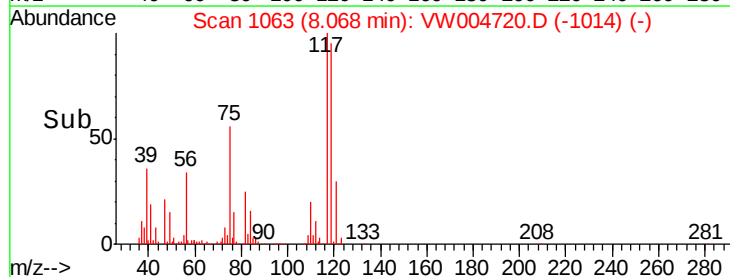
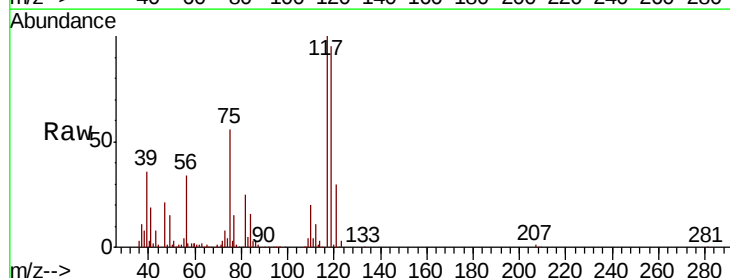
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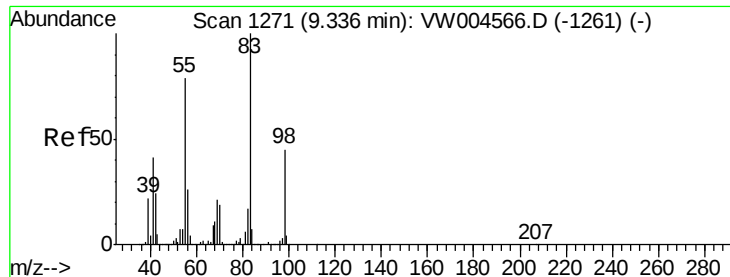
apatel
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#38
Carbon Tetrachloride
Concen: 29.26 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	76.1	114.1
121	30.5	24.2	36.4





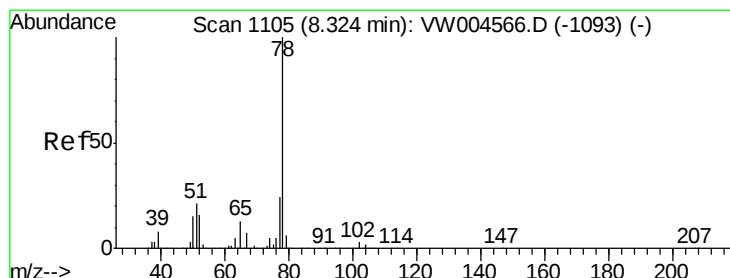
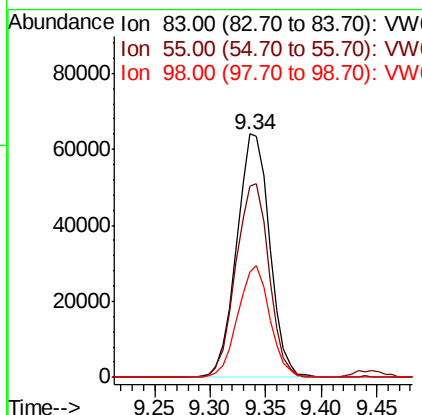
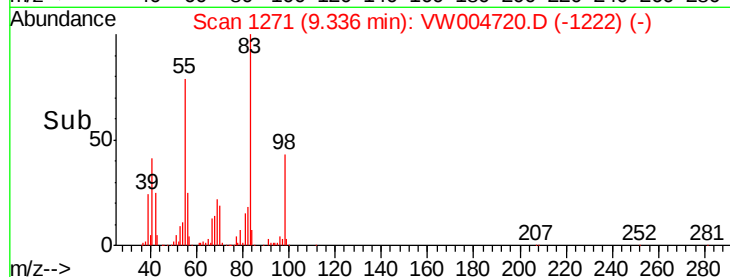
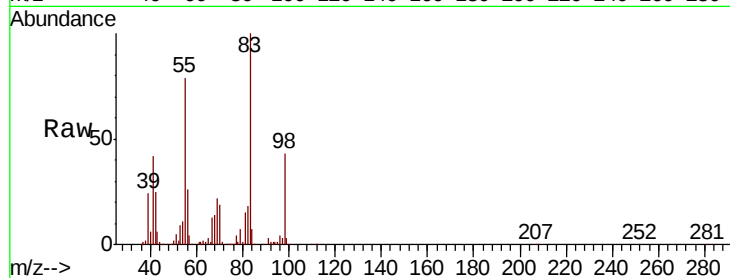
#39
Methvlcvclohexane
Concen: 23.08 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	62.5	93.7
98	43.4	35.4	53.2

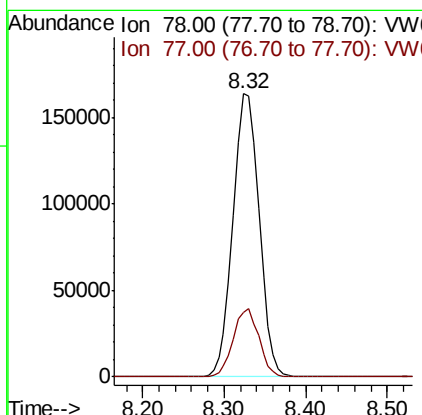
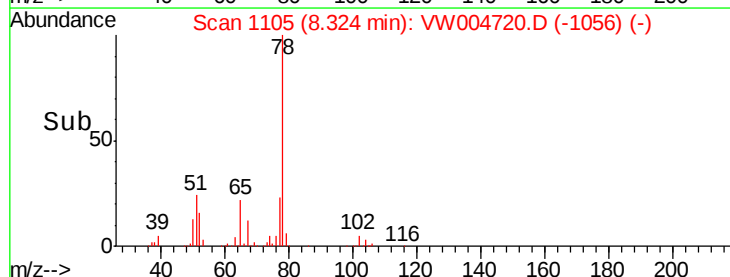
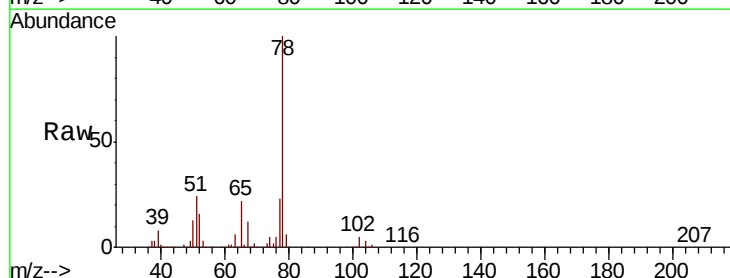
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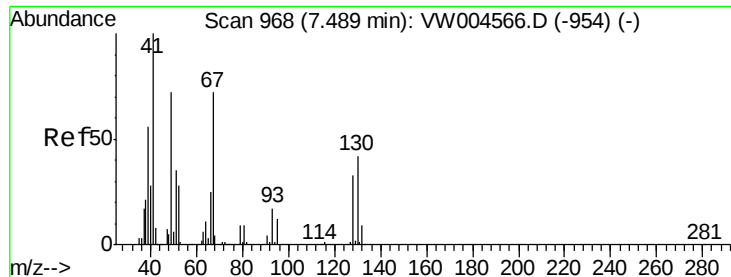
apatel
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#40
Benzene
Concen: 26.58 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.6





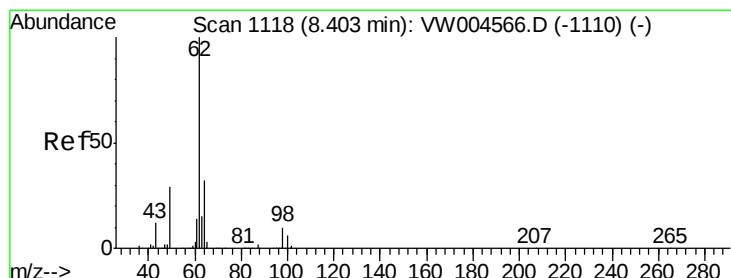
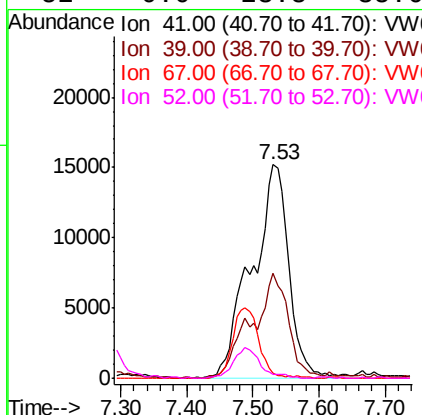
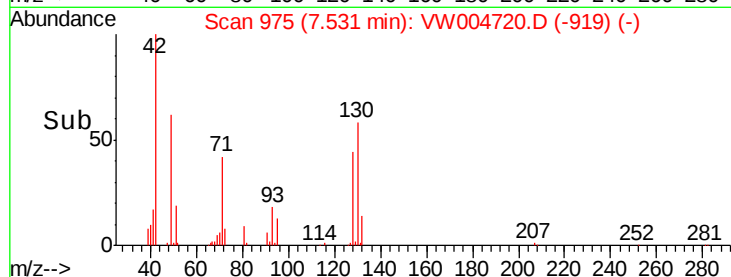
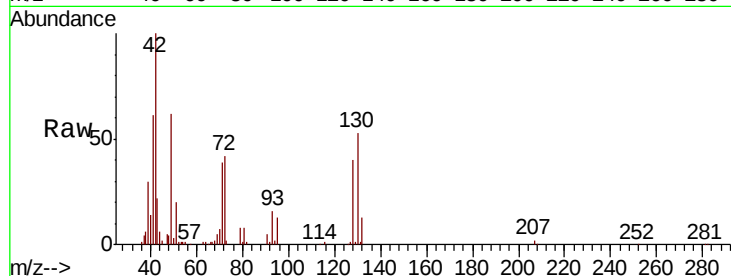
#41
Methacrylonitrile
Concen: 48.64 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.04 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	30.9	46.2	69.2#
67	0.0	60.8	91.2#
52	0.0	23.8	35.6#

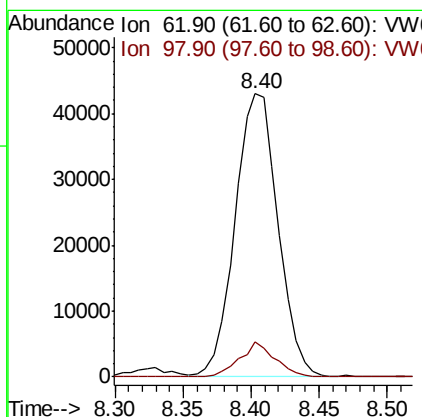
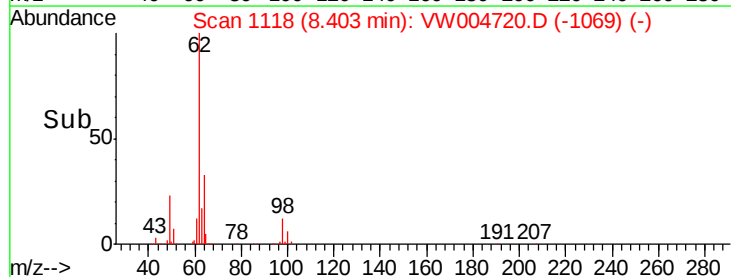
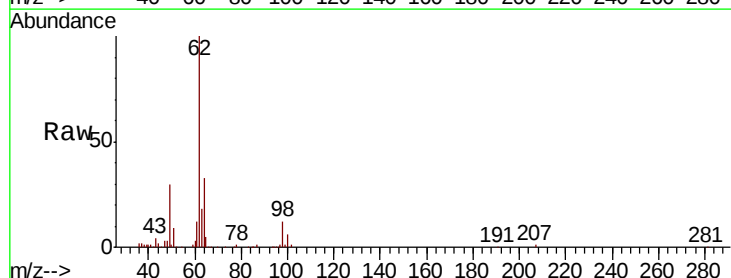
Manual Integrations
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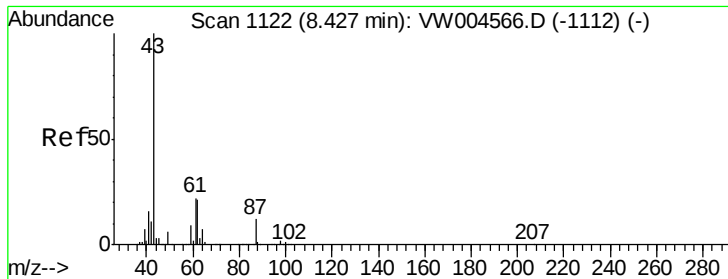
apatel
8/16/2018 10:01:38 AM



#42
1,2-Dichloroethane
Concen: 24.92 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.6





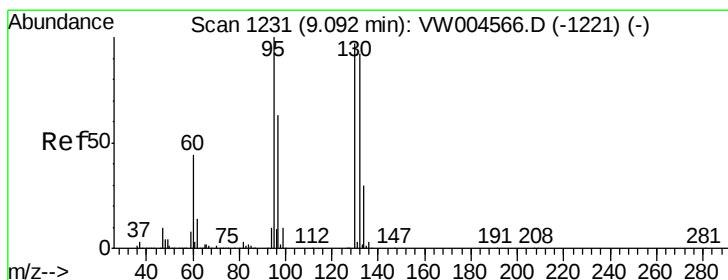
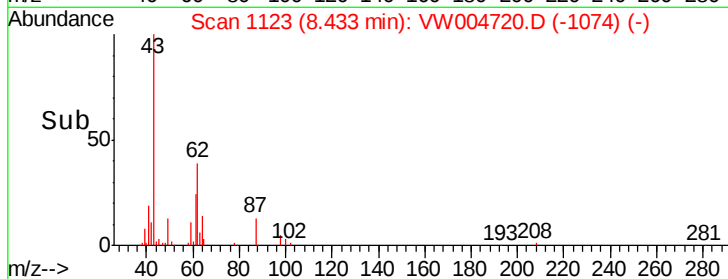
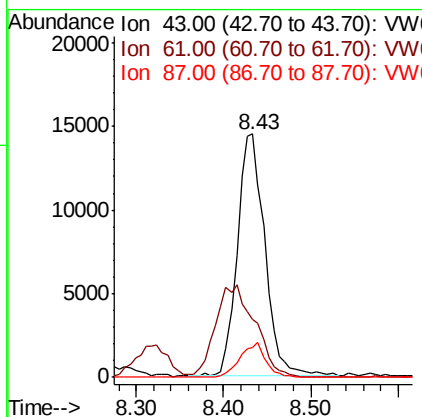
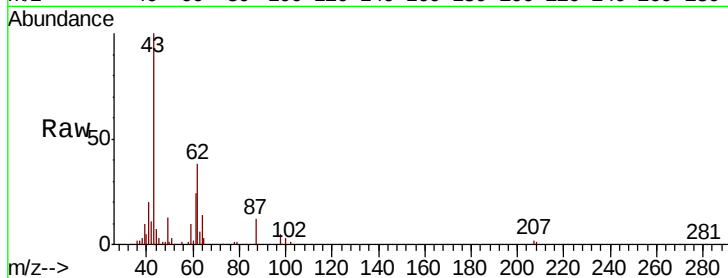
#43
Isopropyl Acetate
Concen: 8.34 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	25.2	37.8#
87	13.3	10.6	16.0

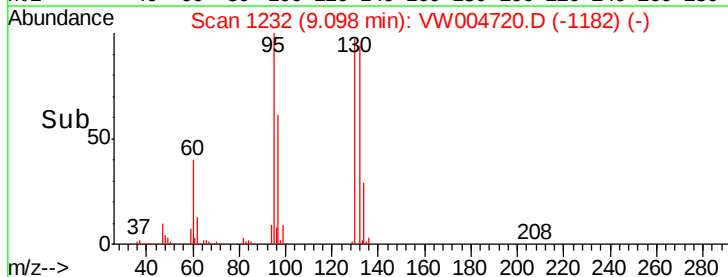
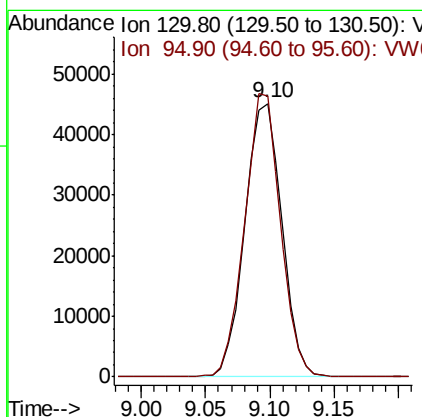
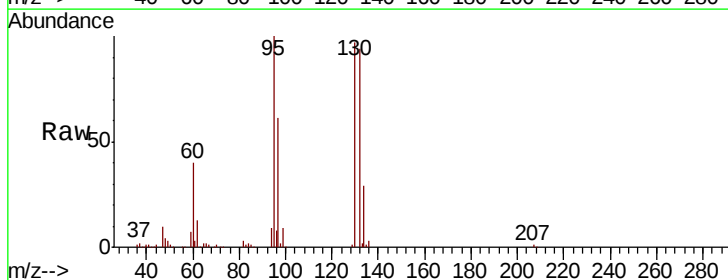
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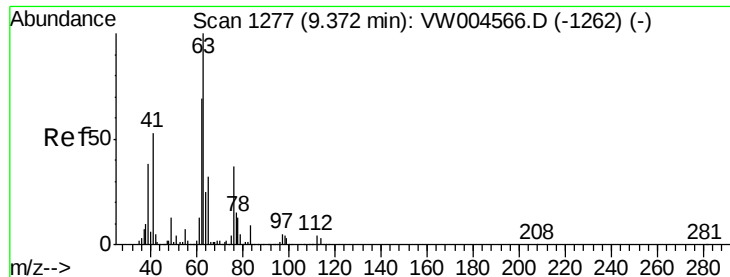
apatel
8/16/2018 10:01:38 AM



#44
Trichloroethene
Concen: 26.70 ug/l
RT: 9.10 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	196.2





#45

1,2-Dichloropropane

Concen: 27.30 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 63 Resp: 93396

Ion Ratio Lower Upper

63 100

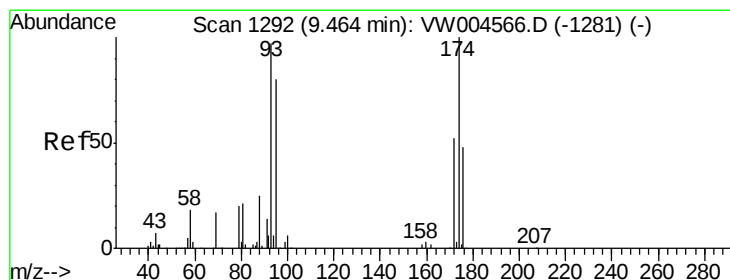
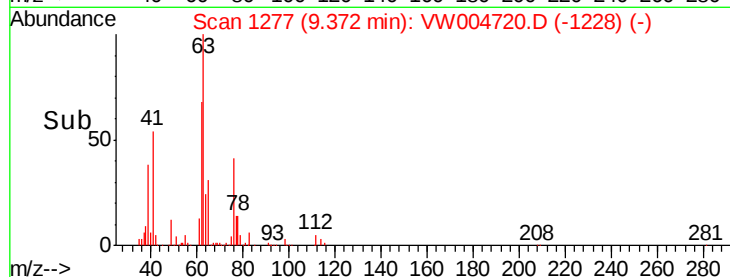
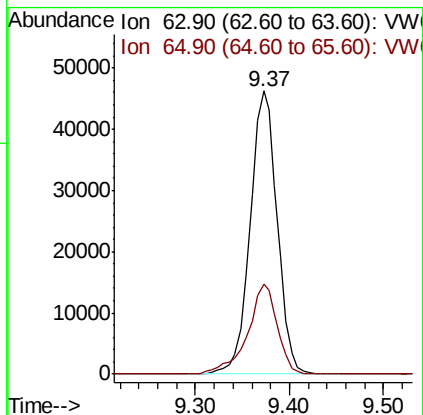
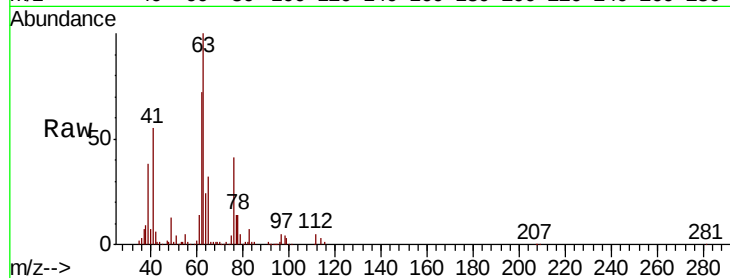
65 31.8 24.5 36.7

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#46

Dibromomethane

Concen: 24.44 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

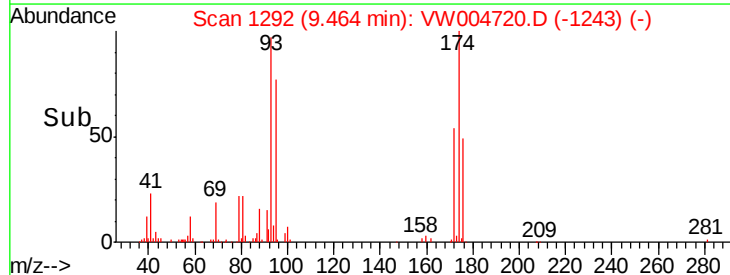
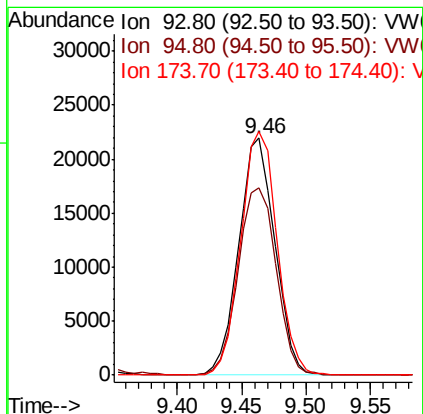
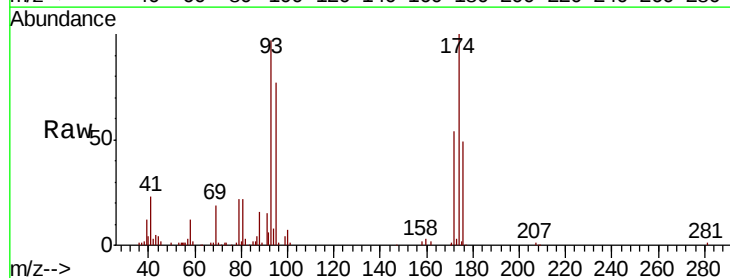
Tgt Ion: 93 Resp: 42561

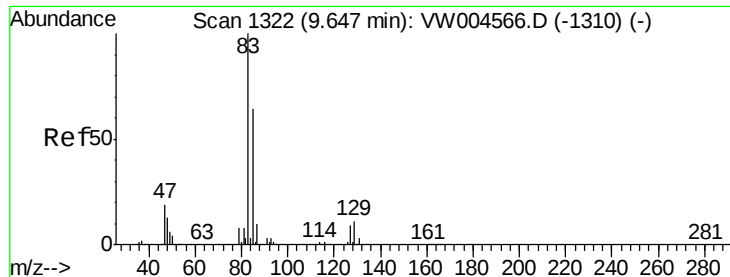
Ion Ratio Lower Upper

93 100

95 83.9 67.0 100.4

174 103.6 80.2 120.4





#47

Bromodichloromethane

Concen: 26.06 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004720.D

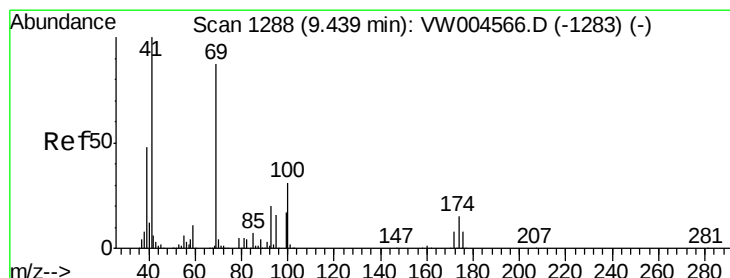
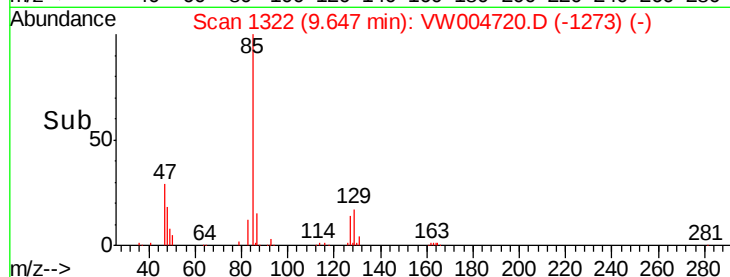
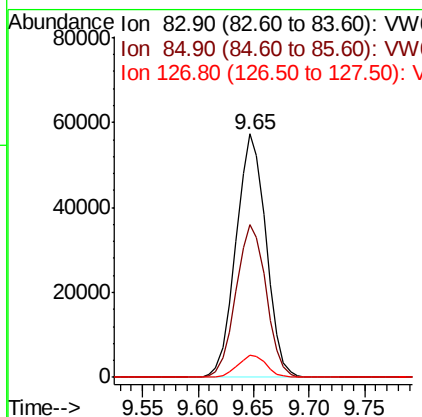
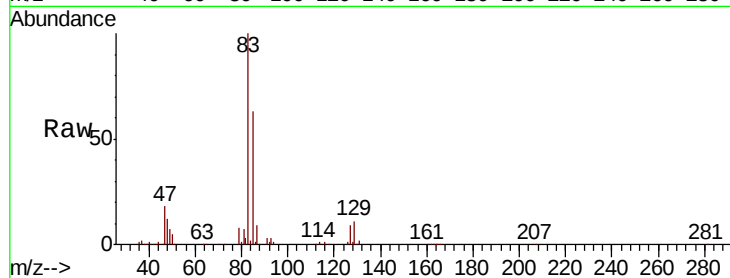
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion:	83	Resp:	107099
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.7	76.1
127	8.9	6.5	9.7

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#48

Methyl methacrylate

Concen: 23.61 ug/l

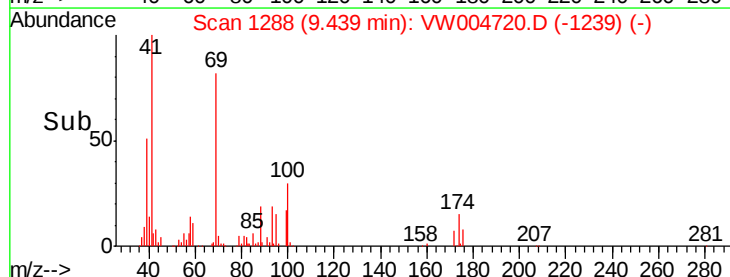
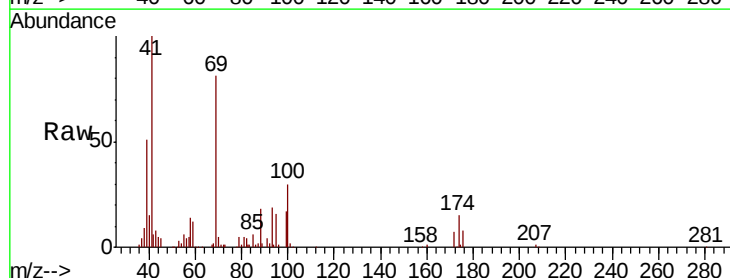
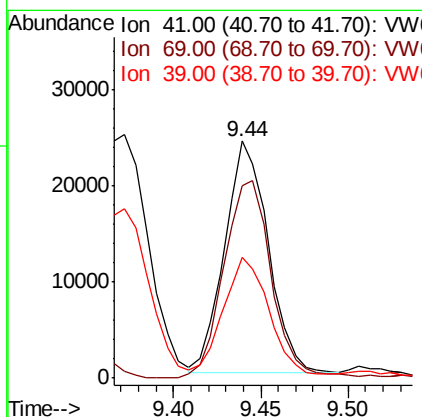
RT: 9.44 min Scan# 1288

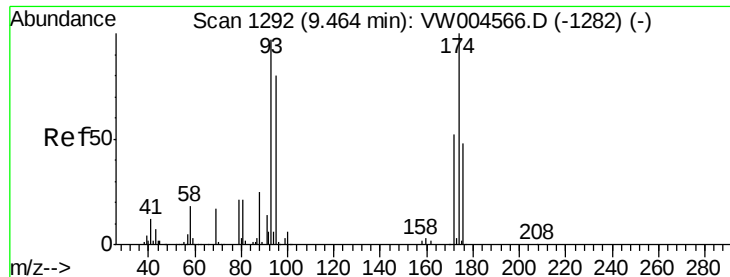
Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	41	Resp:	41907
Ion	Ratio	Lower	Upper
41	100		
69	92.0	73.2	109.8
39	53.9	40.6	60.8





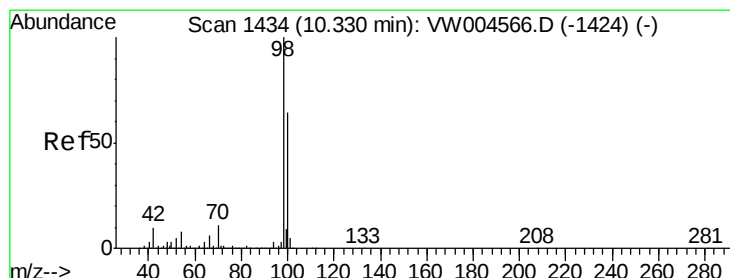
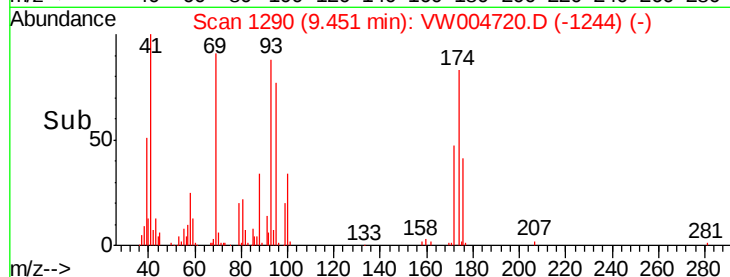
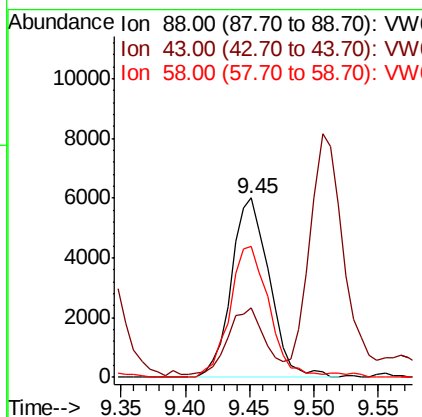
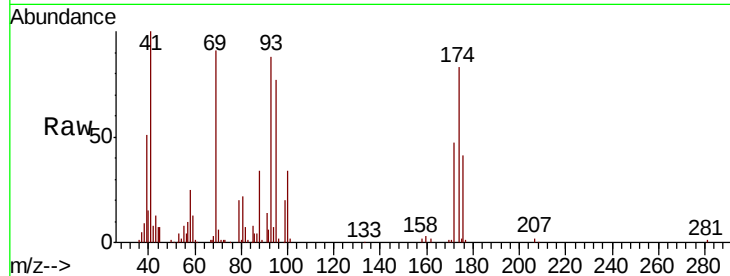
#49
1,4-Dioxane
Concen: 460.97 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	88	Resp	12246
Ion	Ratio	Lower	Upper
88	100		
43	35.8	0.0	0.0#
58	77.7	63.5	95.3

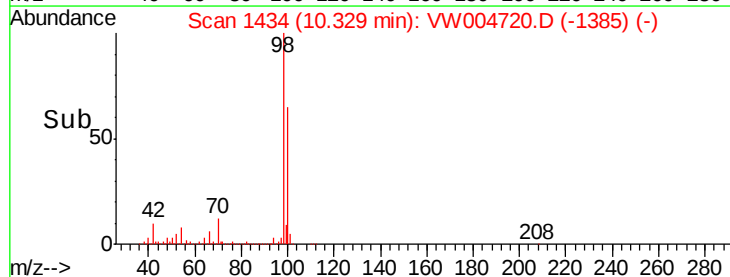
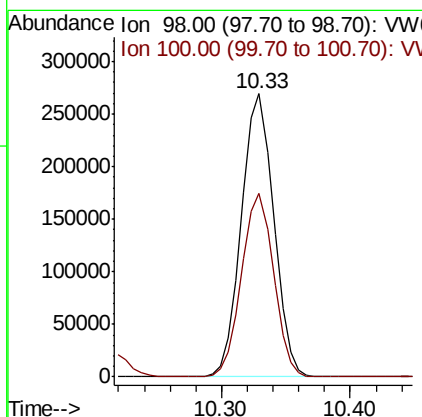
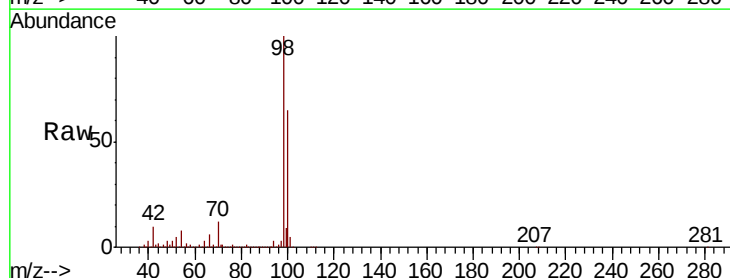
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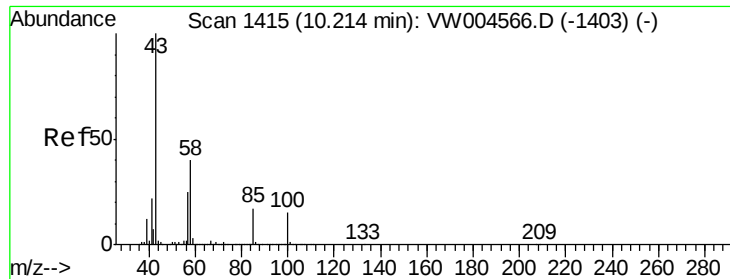
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#50
Toluene-d8
Concen: 42.76 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	98	Resp	469515
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 92.87 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 43 Resp: 245470

Ion Ratio Lower Upper

43 100

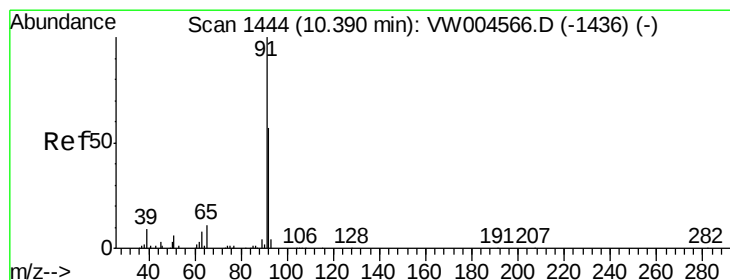
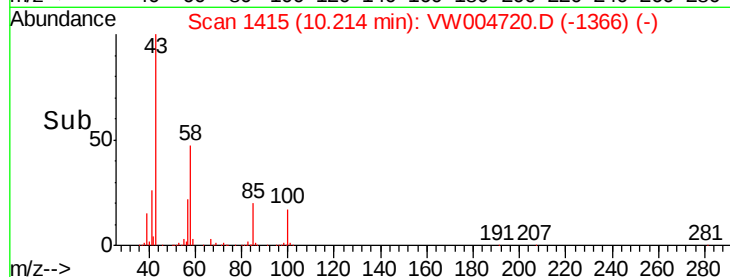
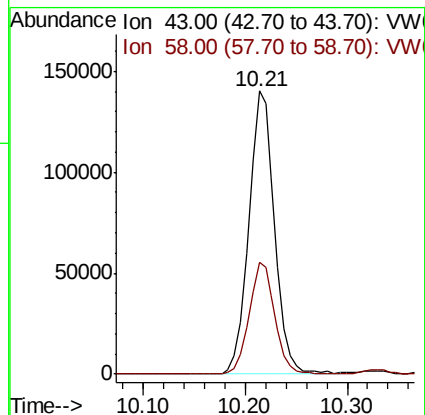
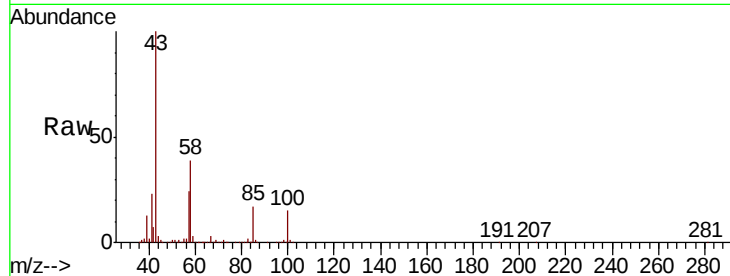
58 39.4 31.9 47.9

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#52

Toluene

Concen: 26.79 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004720.D

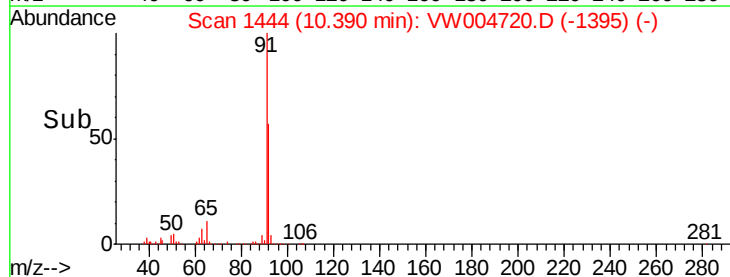
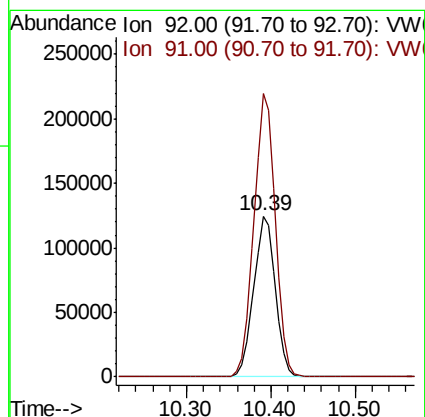
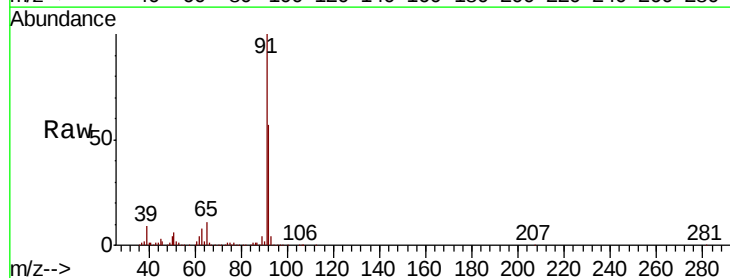
Acq: 16 Aug 2018 02:20

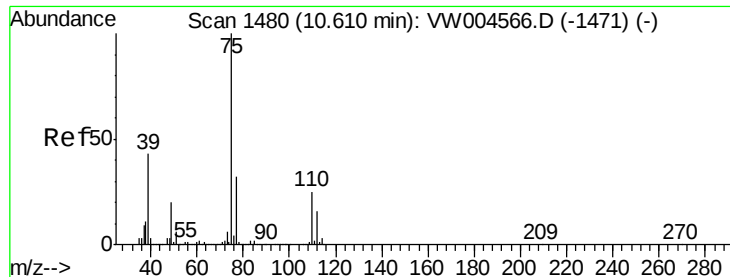
Tgt Ion: 92 Resp: 215779

Ion Ratio Lower Upper

92 100

91 174.5 137.9 206.9





#53

t-1,3-Dichloropropene

Concen: 21.45 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 75 Resp: 88518

Ion Ratio Lower Upper

75 100

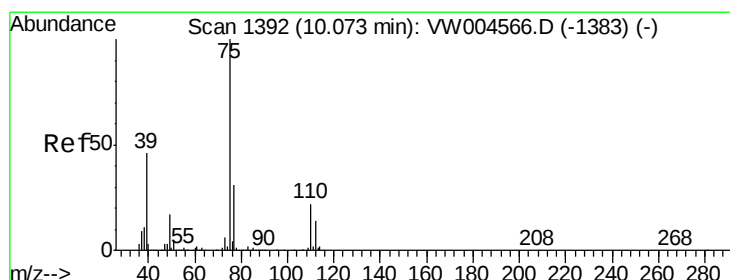
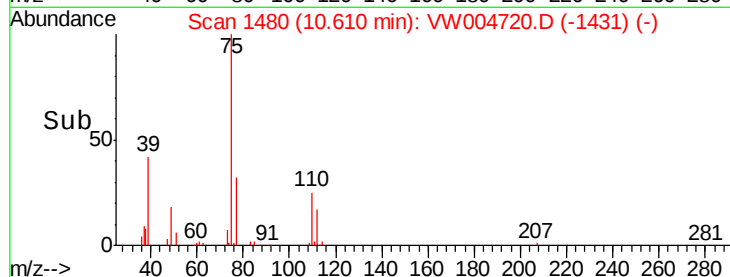
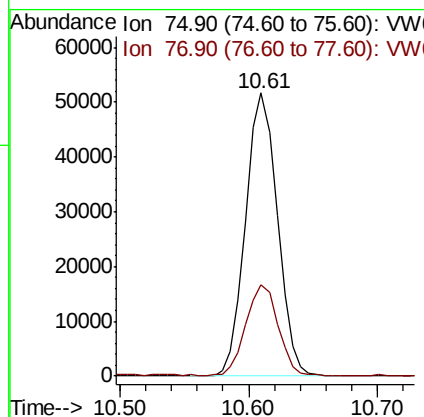
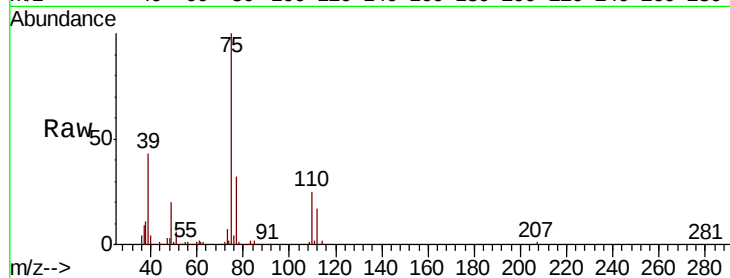
77 32.0 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 22.00 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

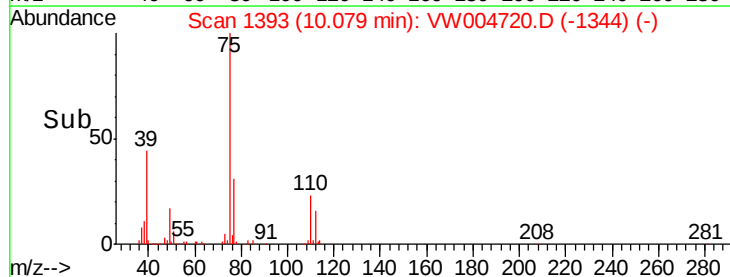
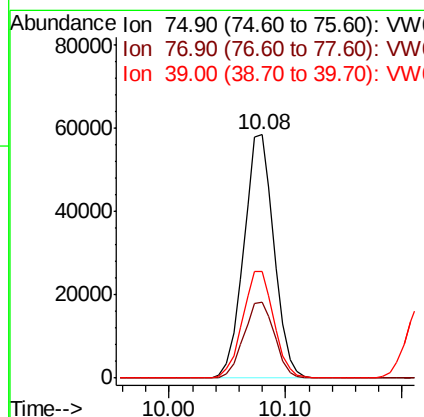
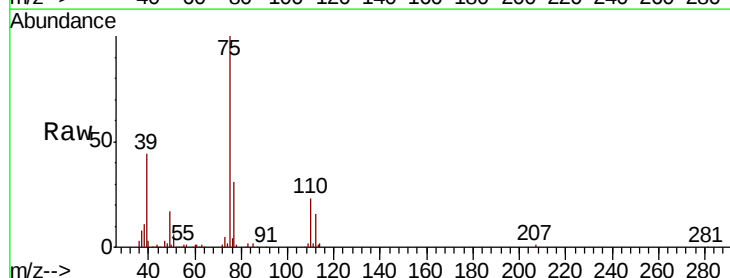
Tgt Ion: 75 Resp: 105830

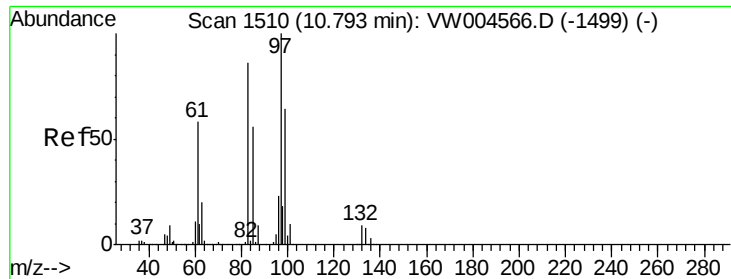
Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9

39 43.7 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 24.57 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

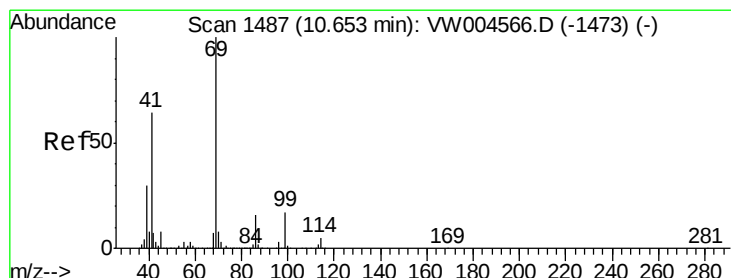
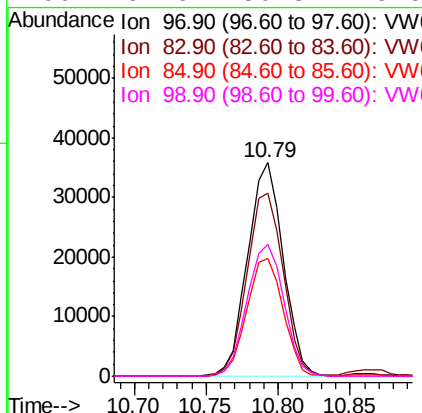
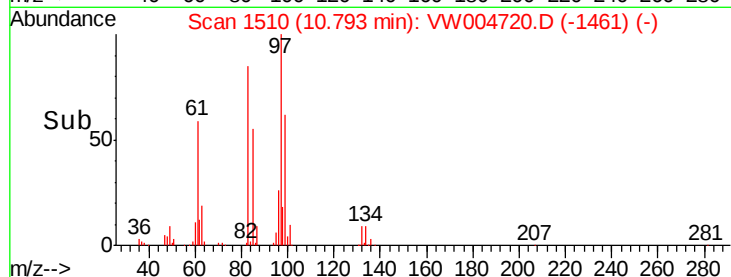
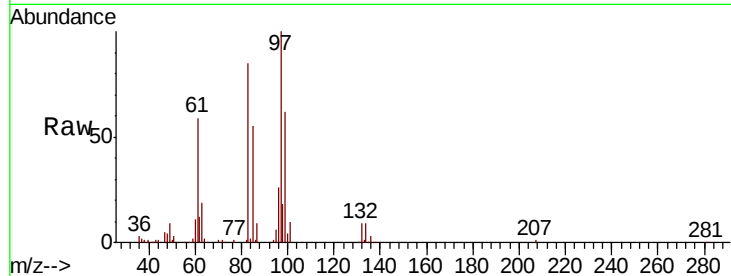
ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion:	97	Resp:	61326
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.8	104.8
85	55.3	45.1	67.7
99	61.6	50.3	75.5

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#56

Ethyl methacrylate

Concen: 5.38 ug/l

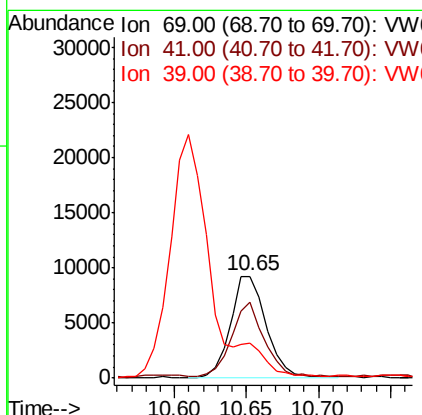
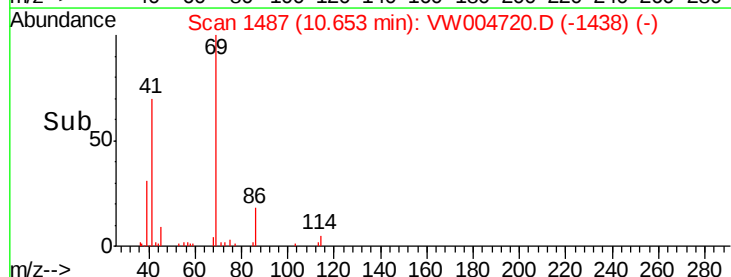
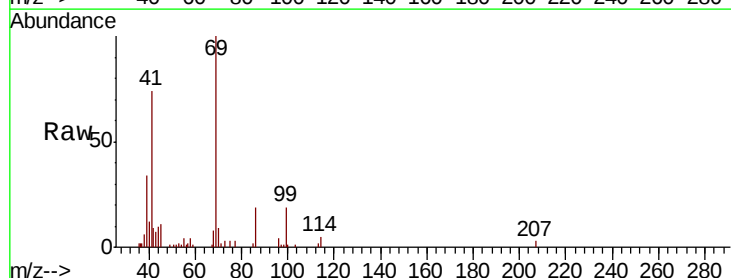
RT: 10.65 min Scan# 1487

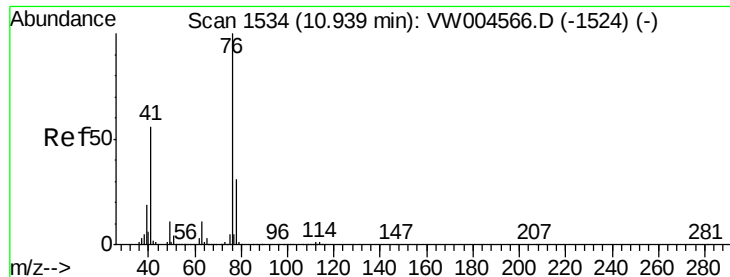
Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	69	Resp:	16078
Ion	Ratio	Lower	Upper
69	100		
41	66.6	52.4	78.6
39	0.0	22.7	34.1#





#57

1,3-Dichloropropane

Concen: 24.11 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. -0.01 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 76 Resp: 103710

Ion Ratio Lower Upper

76 100

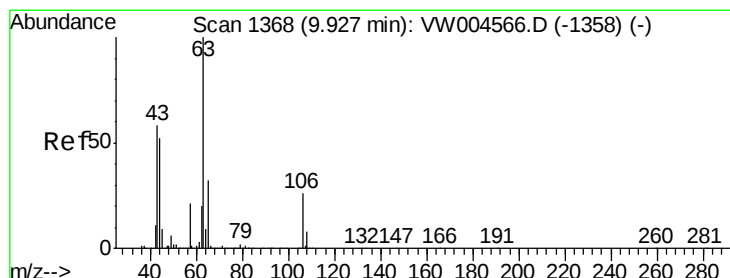
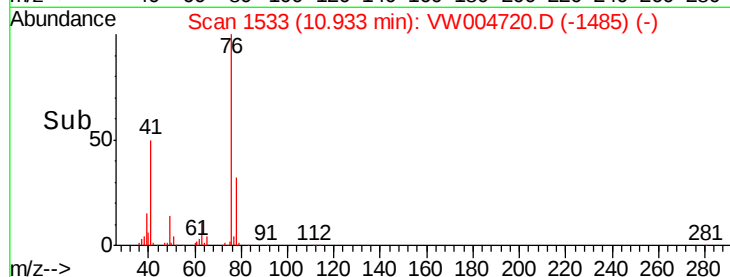
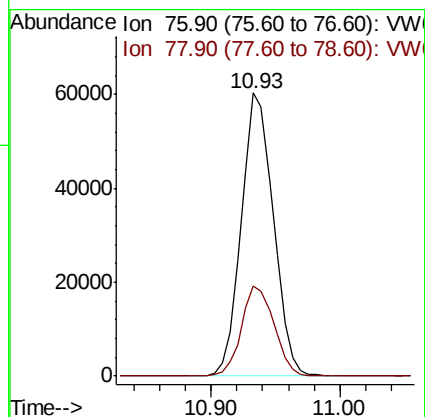
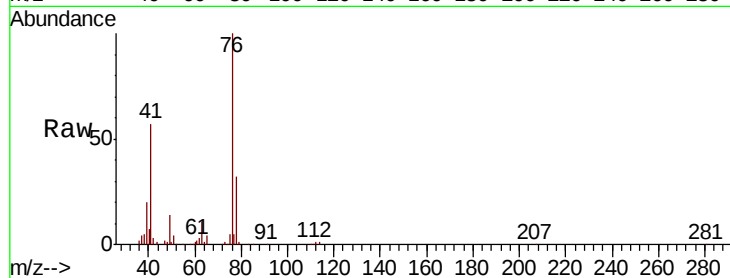
78 32.7 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 89.87 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004720.D

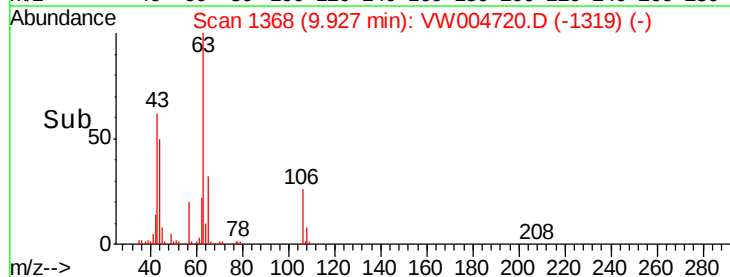
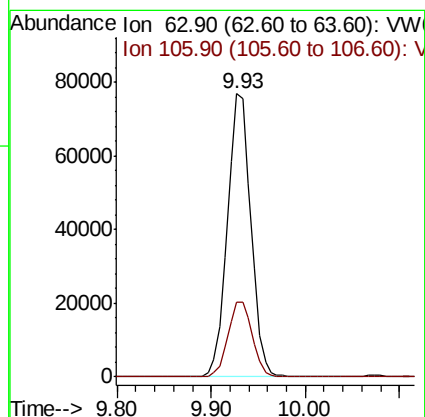
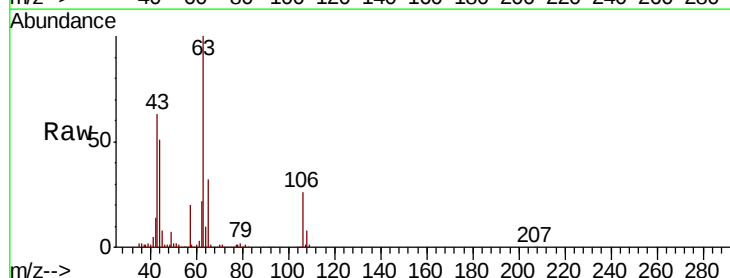
Acq: 16 Aug 2018 02:20

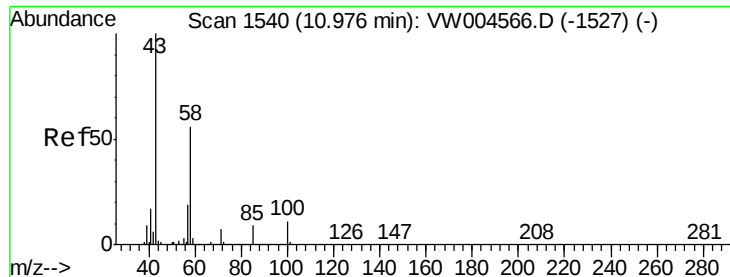
Tgt Ion: 63 Resp: 133186

Ion Ratio Lower Upper

63 100

106 27.4 21.3 31.9





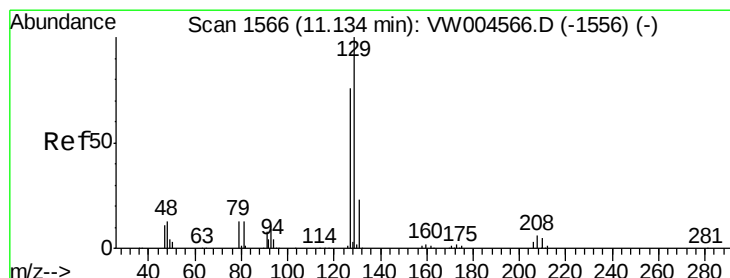
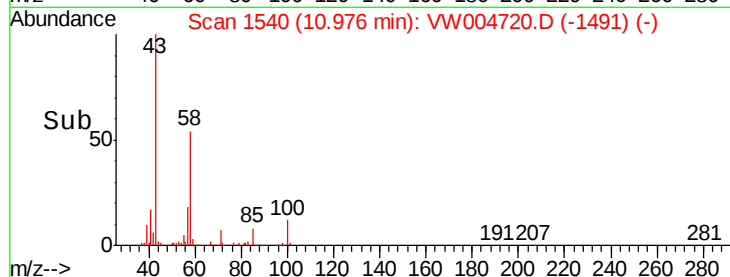
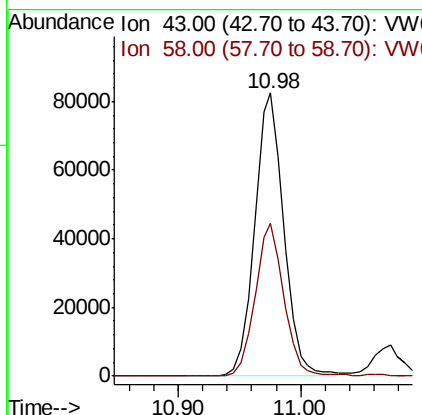
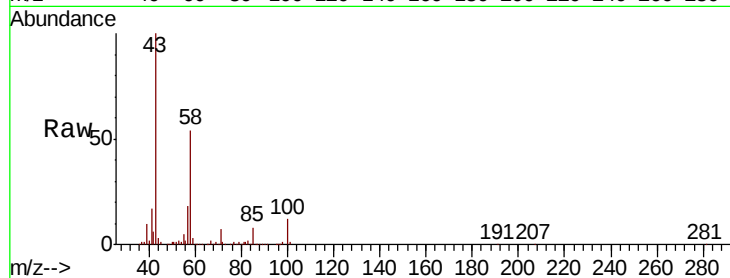
#59
2-Hexanone
Concen: 75.92 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.9	83.6

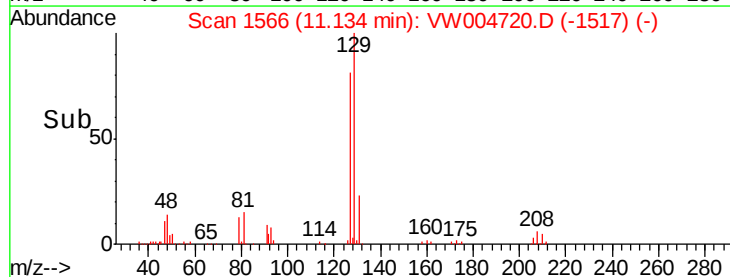
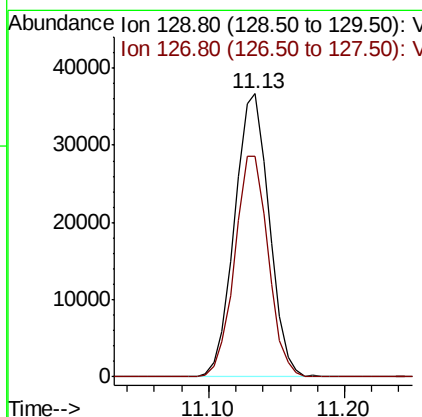
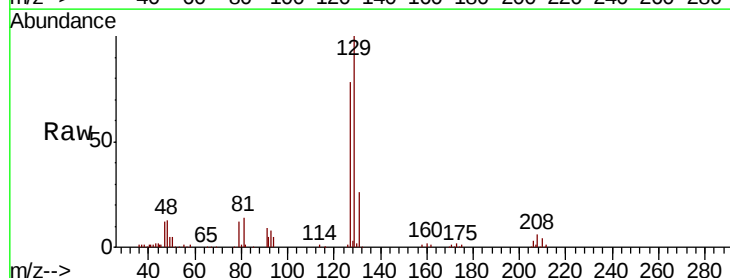
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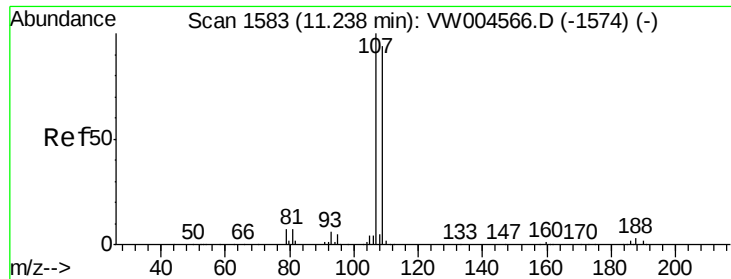
apatel
8/16/2018 10:01:38 AM



#60
Dibromochloromethane
Concen: 23.99 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 22.07 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 107 Resp: 51760

Ion Ratio Lower Upper

107 100

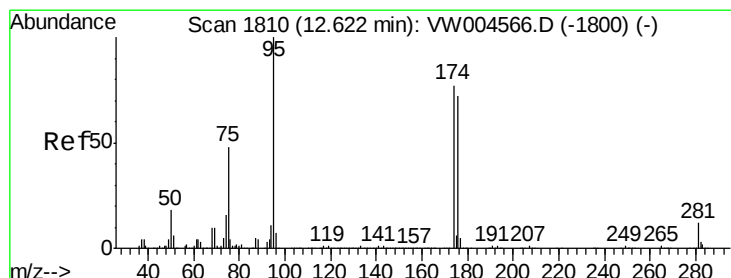
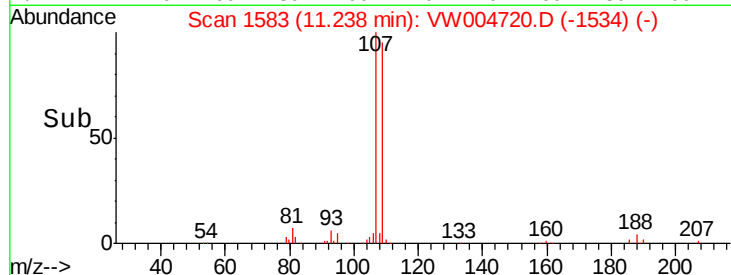
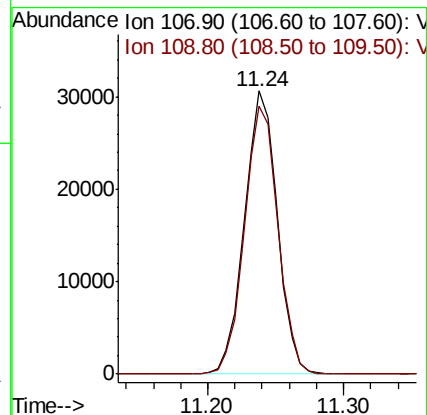
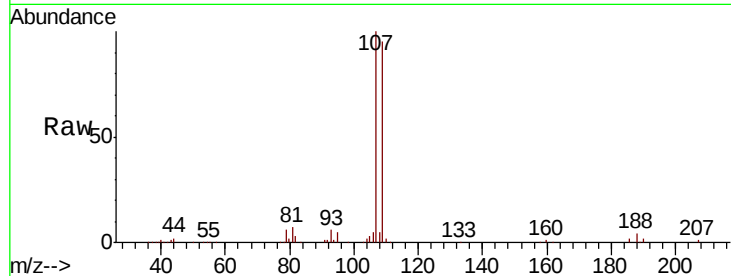
109 96.5 75.7 113.5

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#62

4-Bromofluorobenzene

Concen: 35.16 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

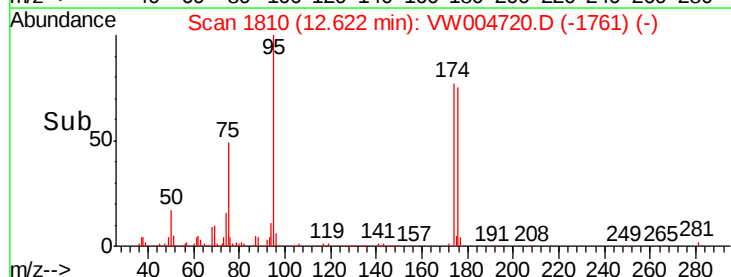
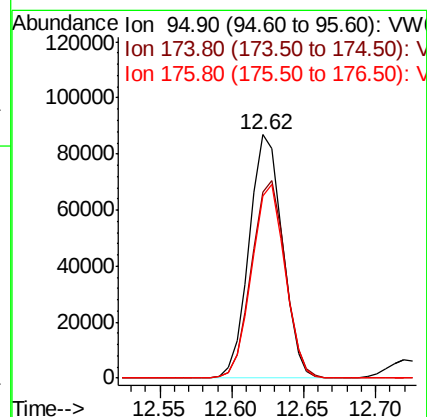
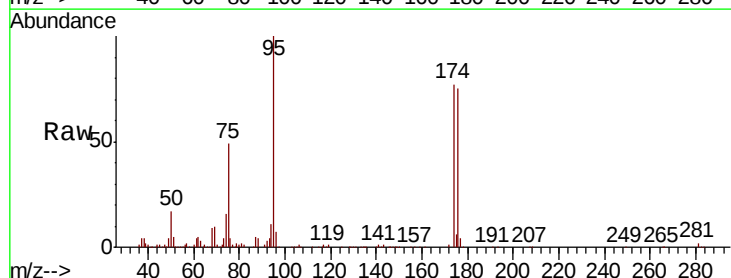
Tgt Ion: 95 Resp: 139066

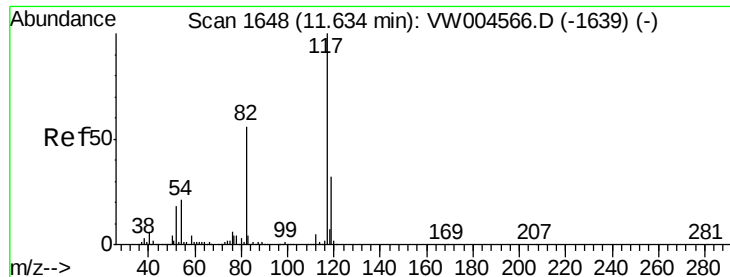
Ion Ratio Lower Upper

95 100

174 82.4 0.0 160.4

176 79.8 0.0 153.2





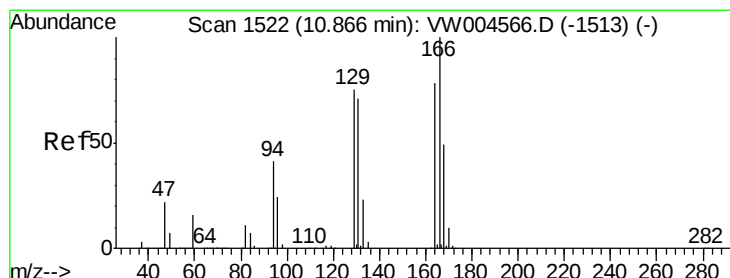
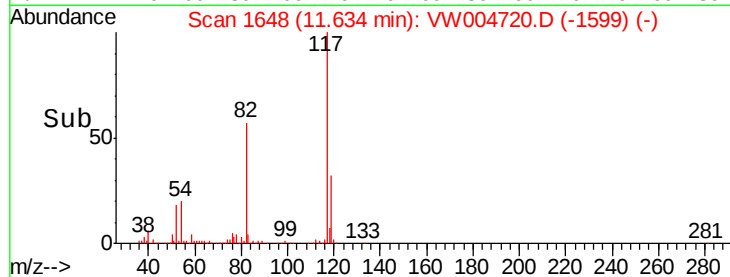
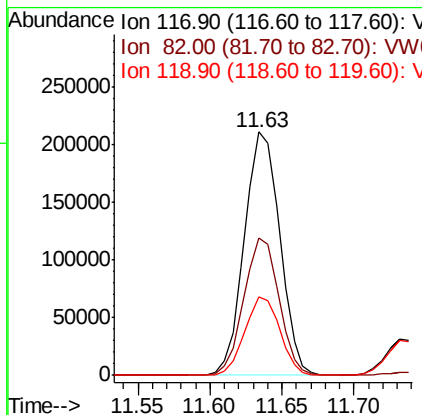
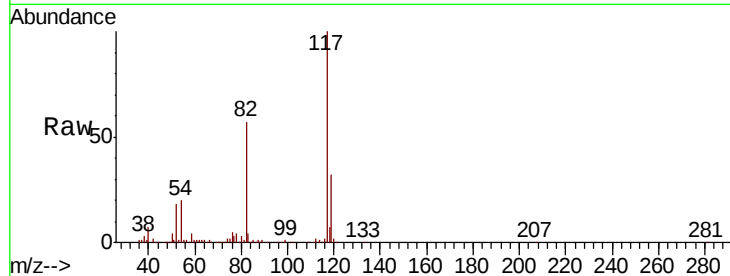
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.3	67.9
119	32.5	26.2	39.4

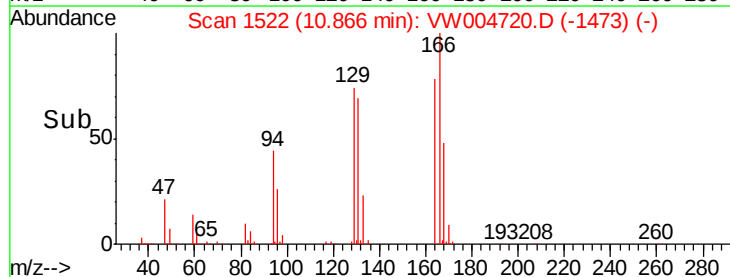
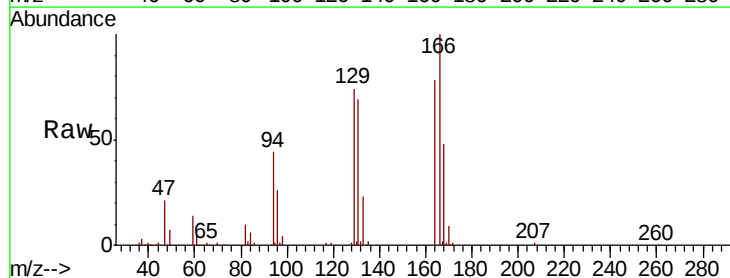
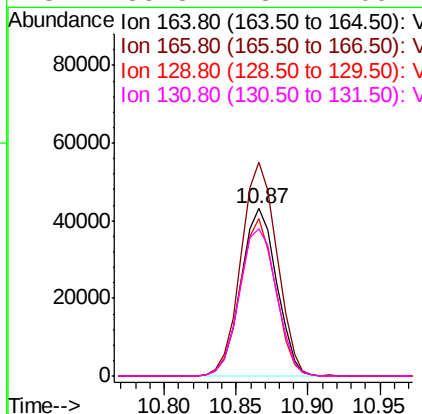
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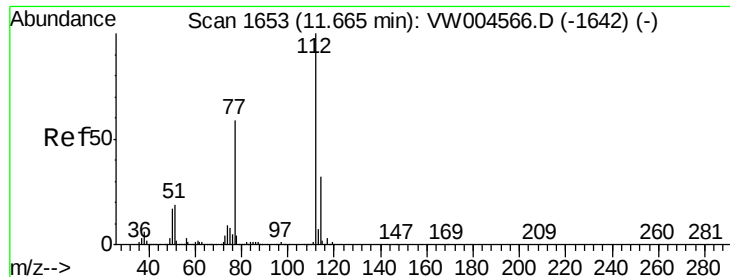
apatel
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#64
Tetrachloroethene
Concen: 29.53 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	98.4	147.6
129	94.4	73.6	110.4
131	88.3	73.1	109.7





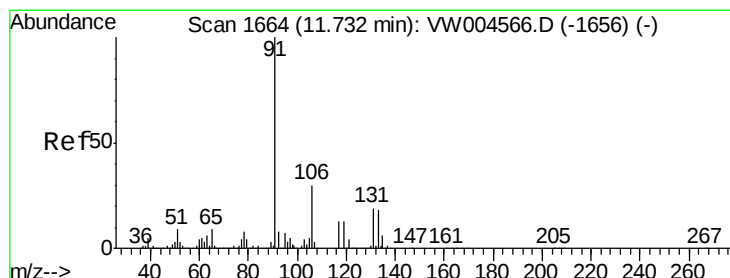
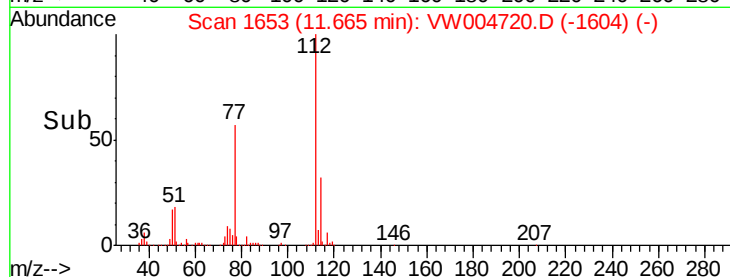
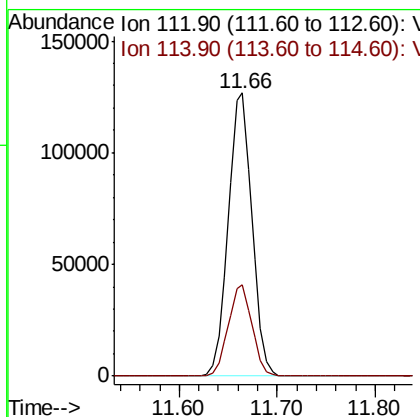
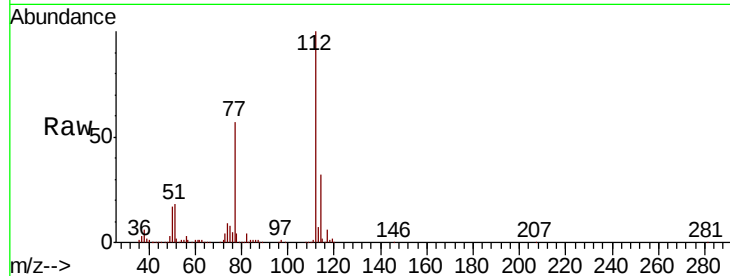
#65
Chlorobenzene
Concen: 26.74 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.0	39.0

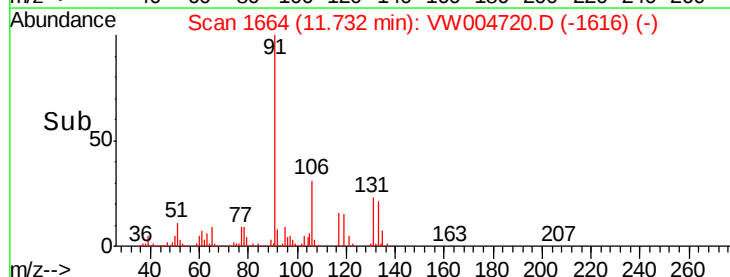
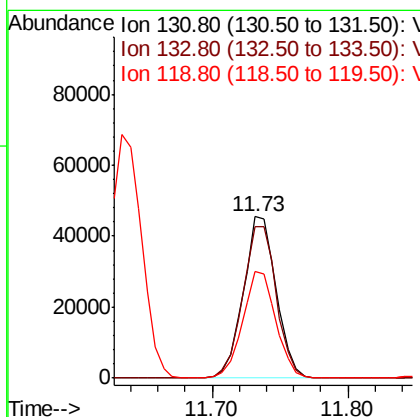
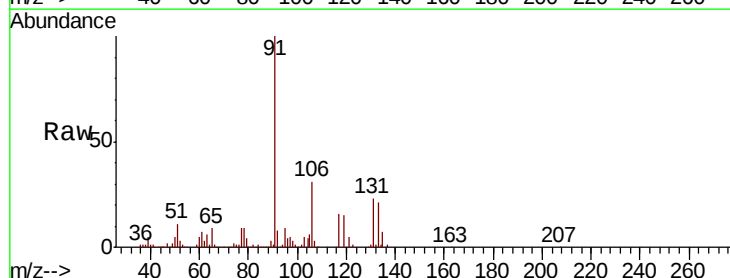
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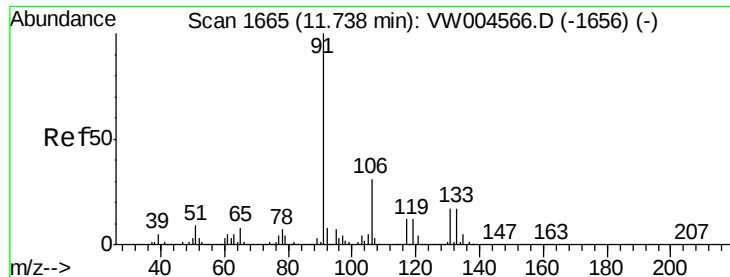
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#66
1,1,1,2-Tetrachloroethane
Concen: 28.47 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.1	144.4
119	66.5	33.9	101.7





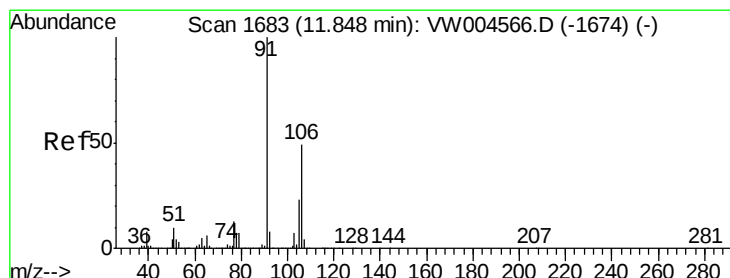
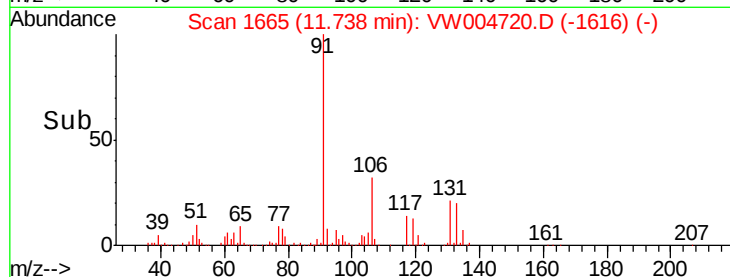
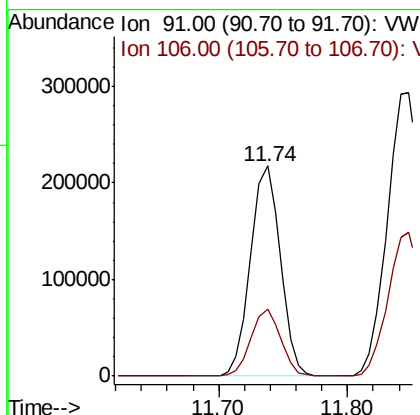
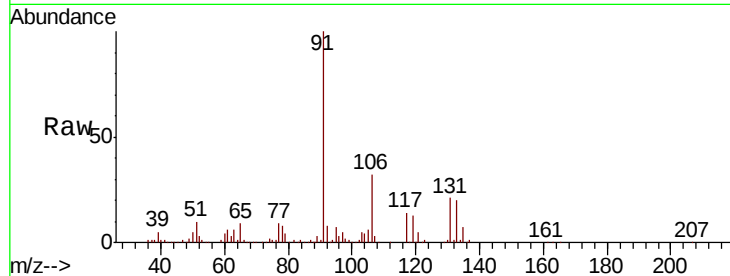
#67
Ethyl Benzene
Concen: 25.87 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion: 91 Resp: 348573
Ion Ratio Lower Upper
91 100
106 32.1 24.2 36.2

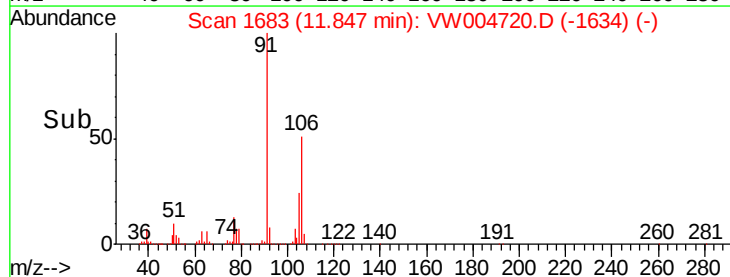
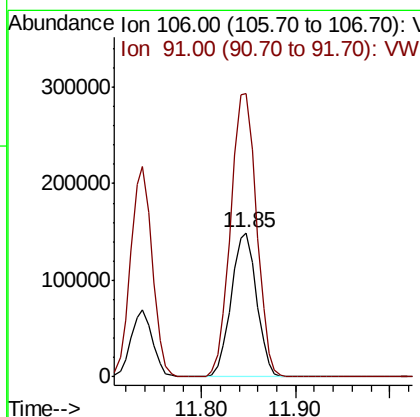
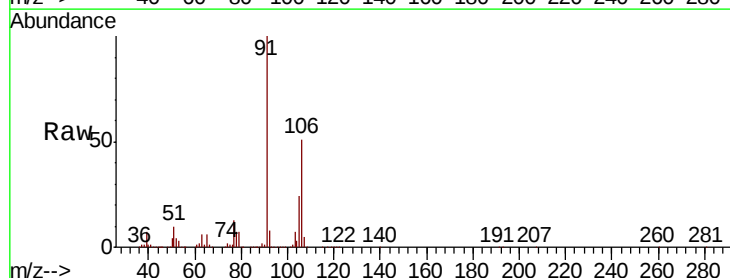
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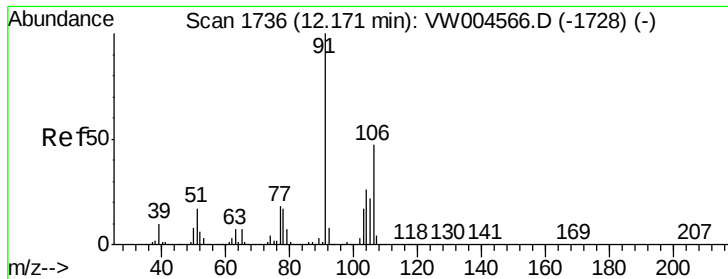
apatel
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#68
m/p-Xylenes
Concen: 53.70 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion: 106 Resp: 279675
Ion Ratio Lower Upper
106 100
91 200.6 162.8 244.2





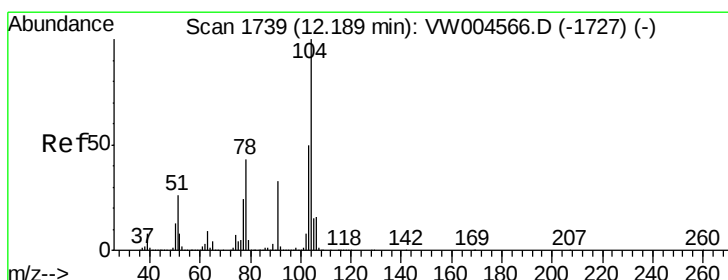
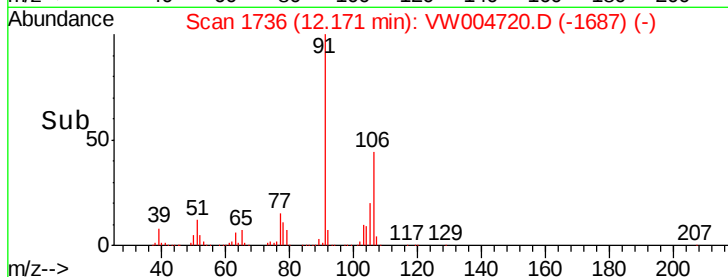
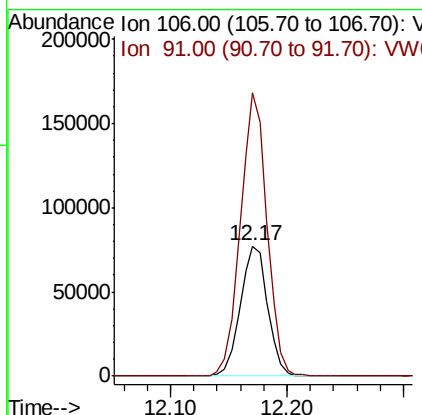
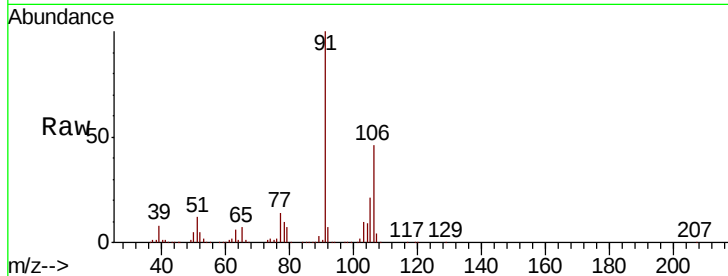
#69
o-Xylene
Concen: 26.21 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.6	106.7	320.2

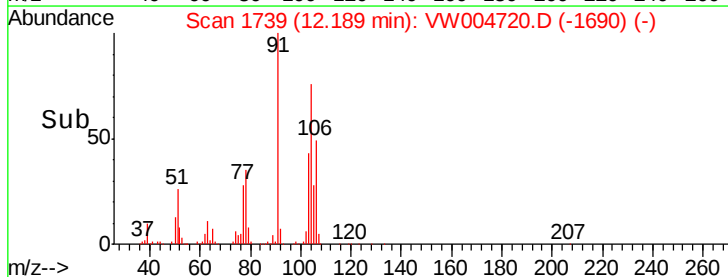
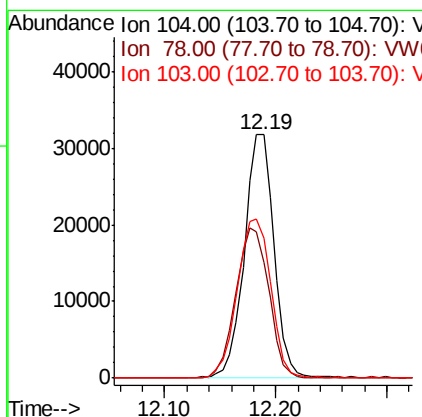
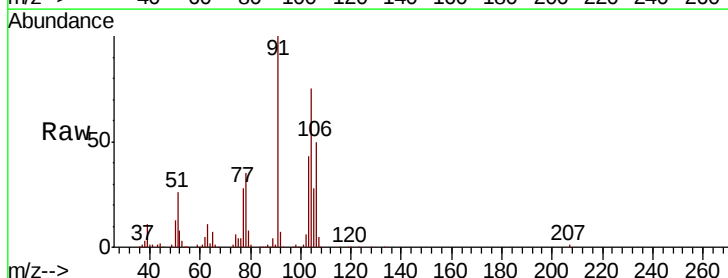
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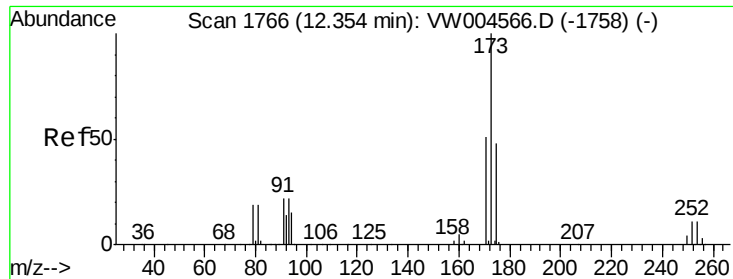
apatel
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#70
Styrene
Concen: 7.24 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	68.0	39.0	58.4#
103	73.6	44.2	66.2#





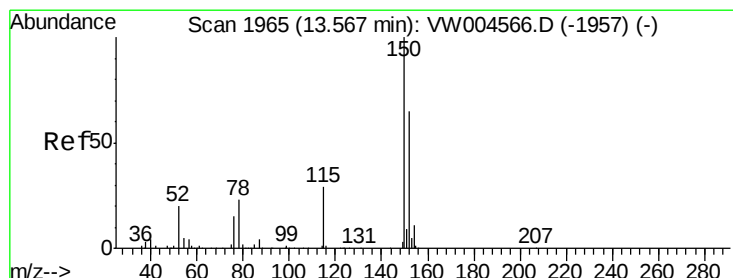
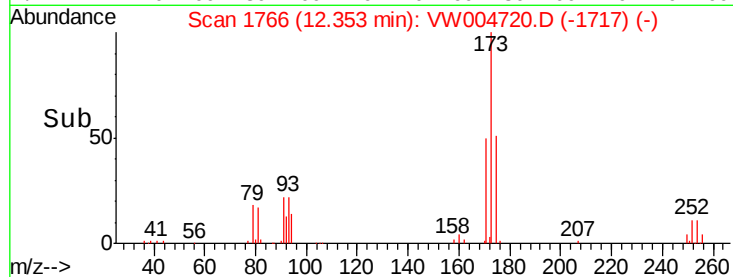
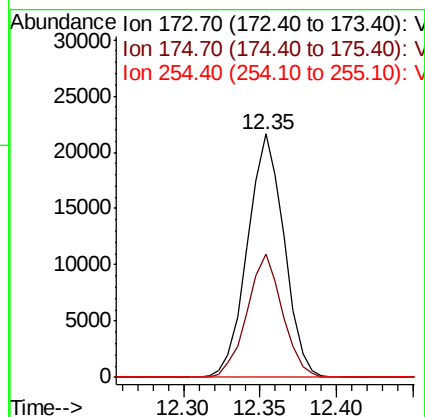
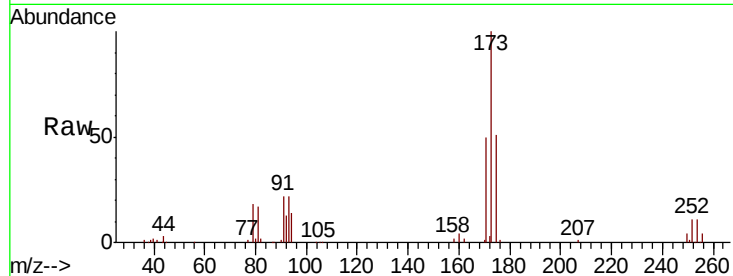
#71
Bromoform
Concen: 24.17 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.1	0.2	0.2

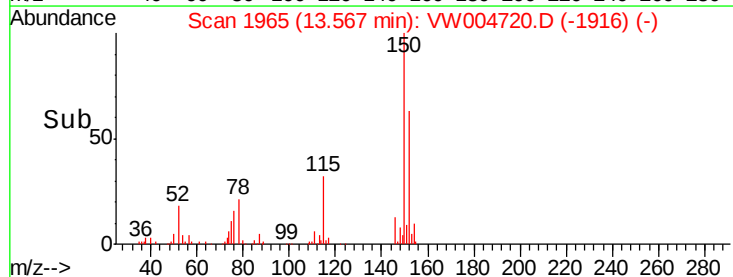
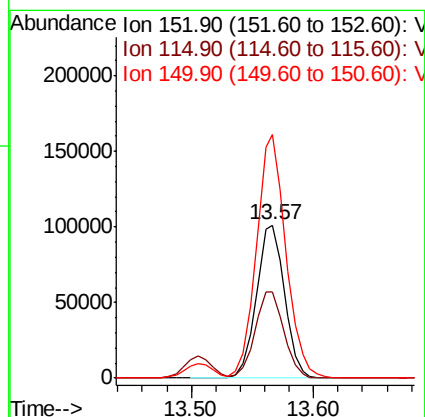
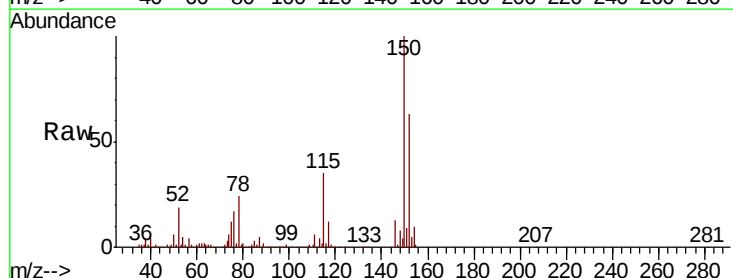
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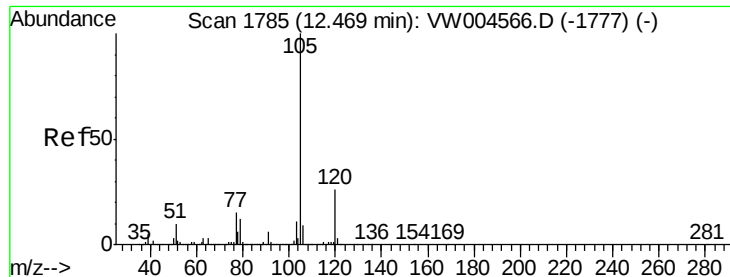
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	29.1	87.3
150	166.0	0.0	349.6





#73

Isopropylbenzene

Concen: 29.53 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion: 105 Resp: 332062

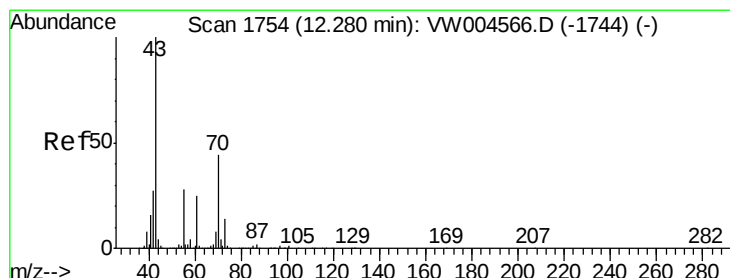
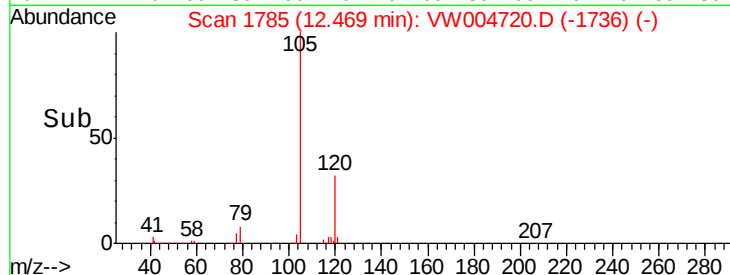
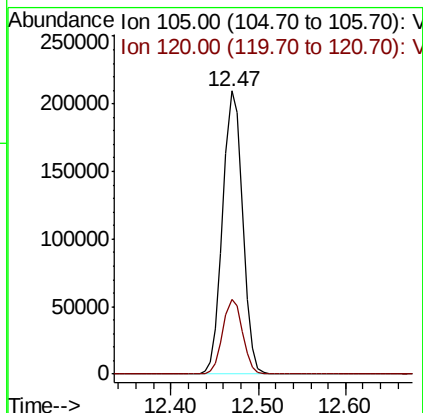
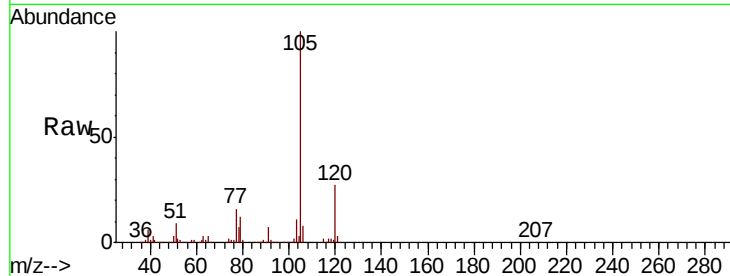
Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 3.75 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion: 43 Resp: 10238

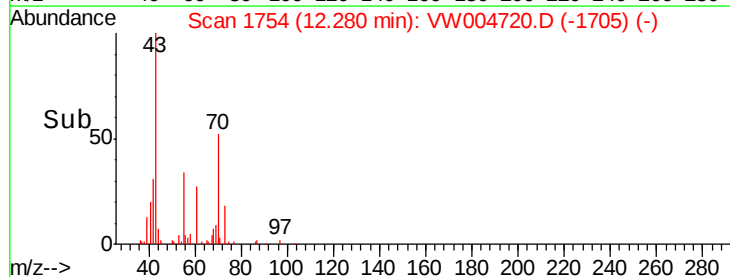
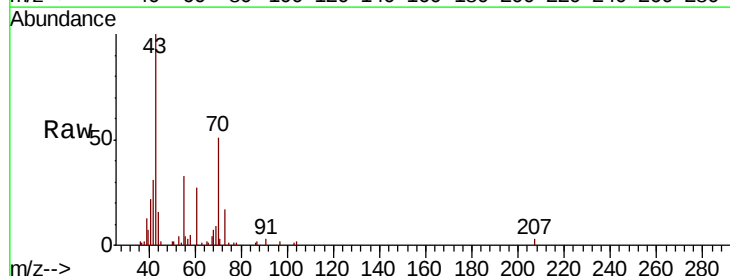
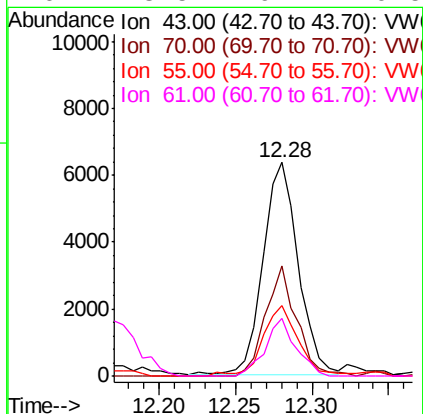
Ion Ratio Lower Upper

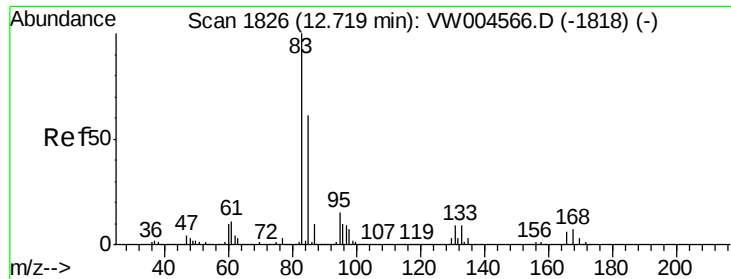
43 100

70 45.4 35.3 52.9

55 33.7 22.9 34.3

61 23.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 28.95 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

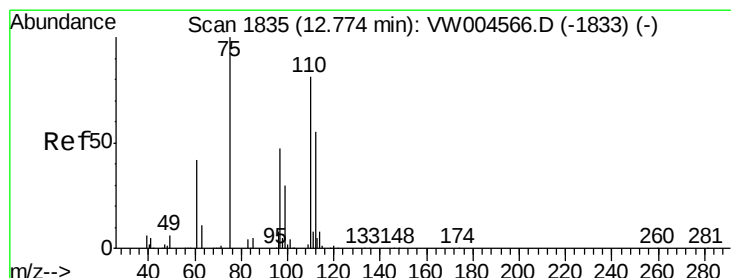
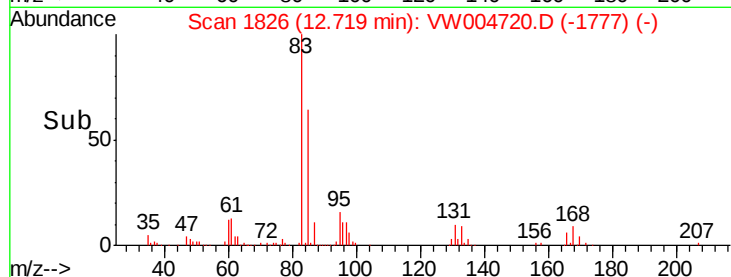
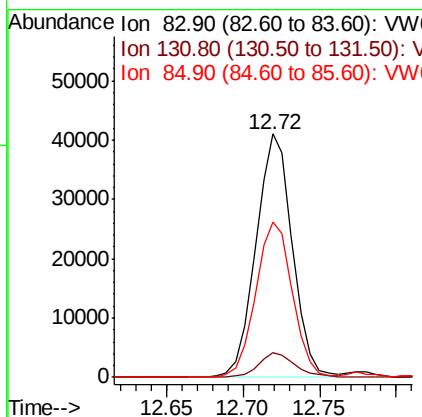
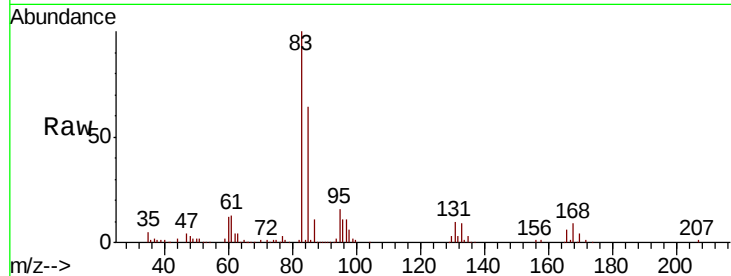
ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion:	83	Resp:	67968
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	15.0
85	63.9	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 31.77 ug/l m

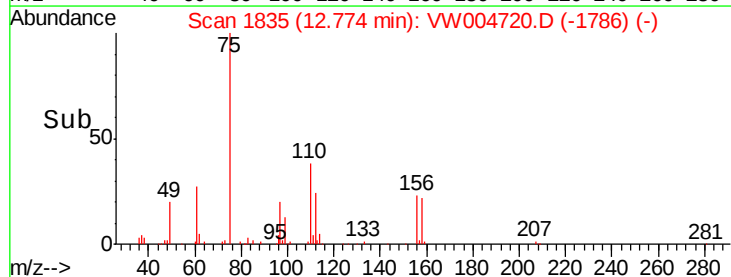
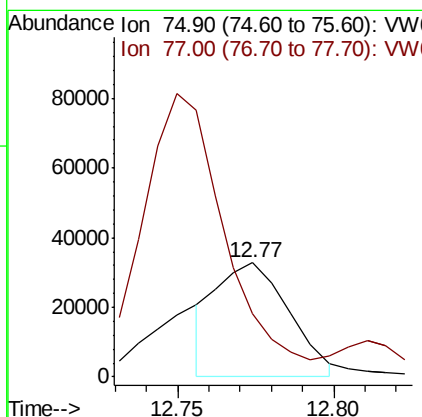
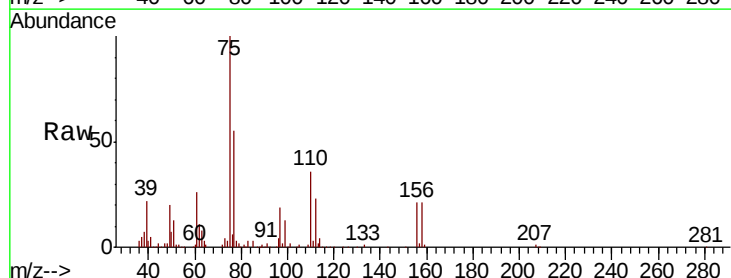
RT: 12.77 min Scan# 1835

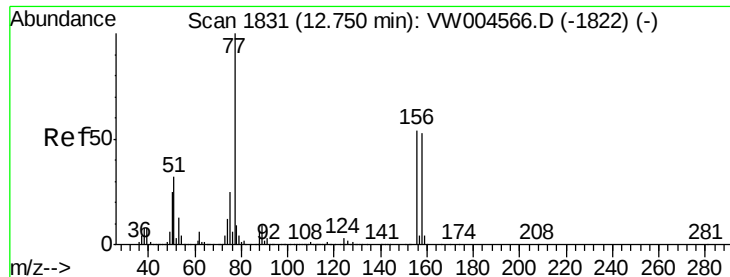
Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion:	75	Resp:	53452
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 29.44 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004720.D

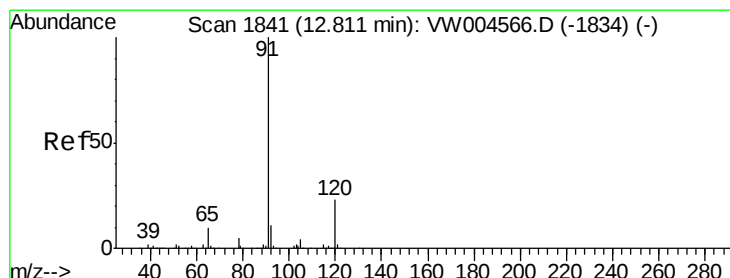
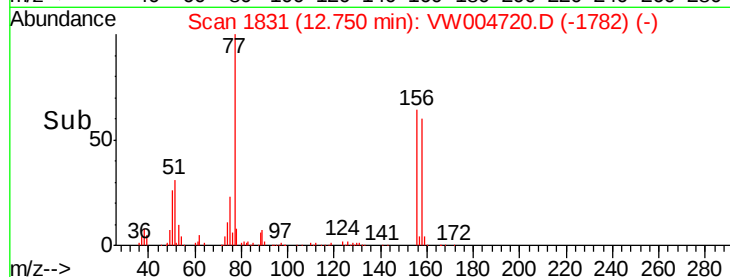
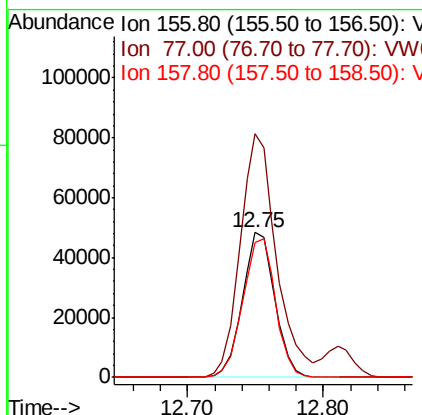
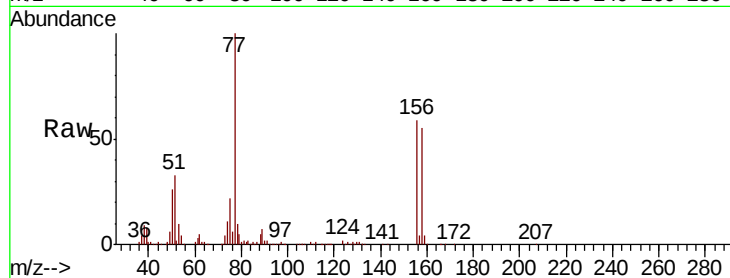
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.2	98.7	296.1
158	97.1	48.7	146.1

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#78

n-propylbenzene

Concen: 28.85 ug/l

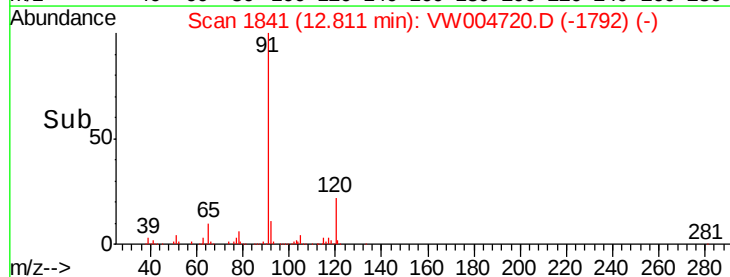
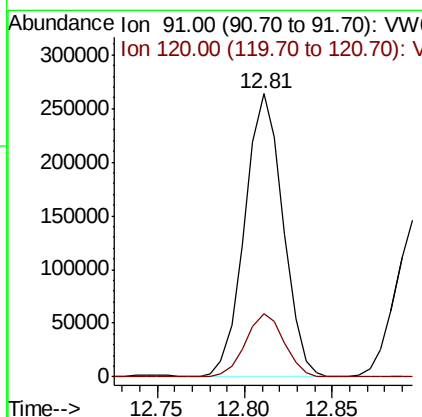
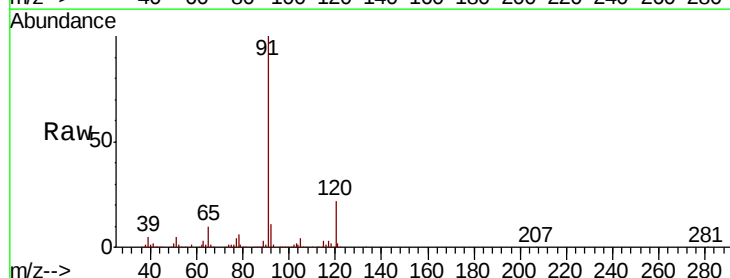
RT: 12.81 min Scan# 1841

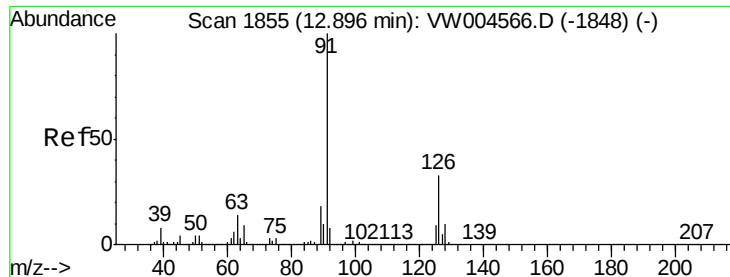
Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 29.01 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 91 Resp: 232958

Ion Ratio Lower Upper

91 100

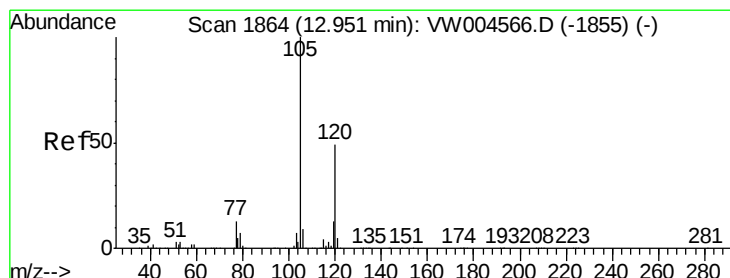
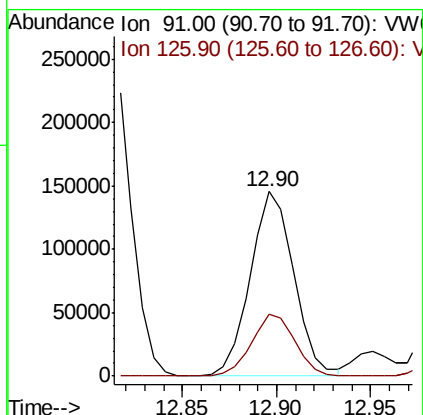
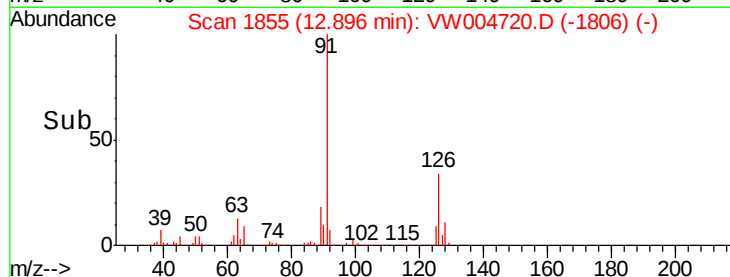
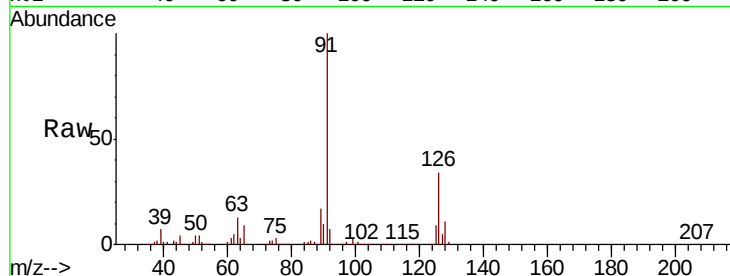
126 33.5 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 28.94 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004720.D

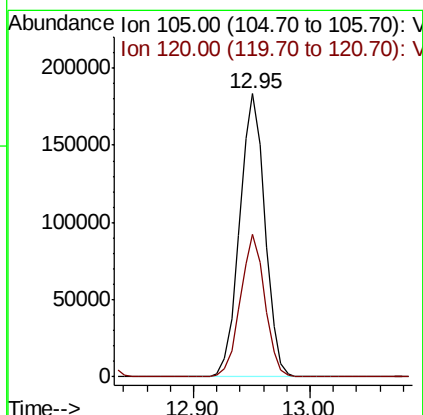
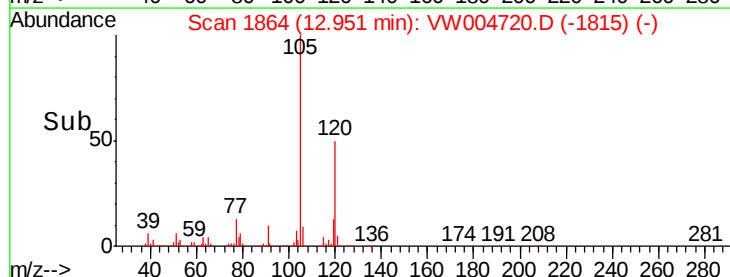
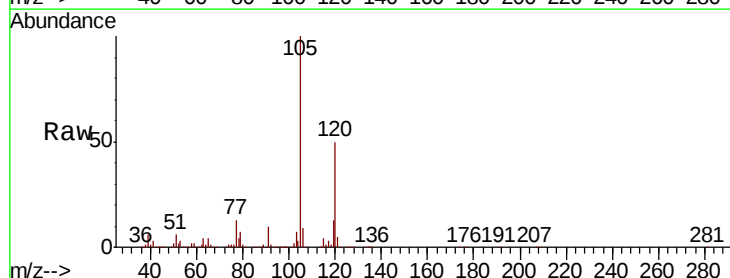
Acq: 16 Aug 2018 02:20

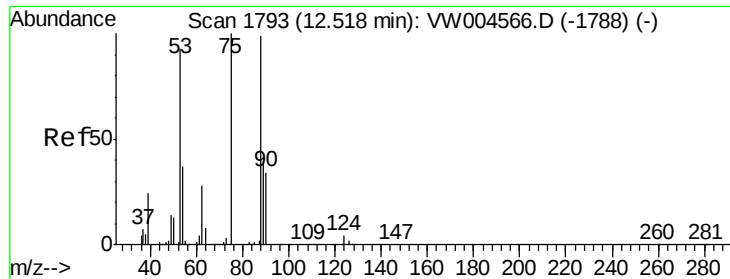
Tgt Ion:105 Resp: 277638

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.83 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion: 75 Resp: 14638

Ion Ratio Lower Upper

75 100

53 97.9 74.4 111.6

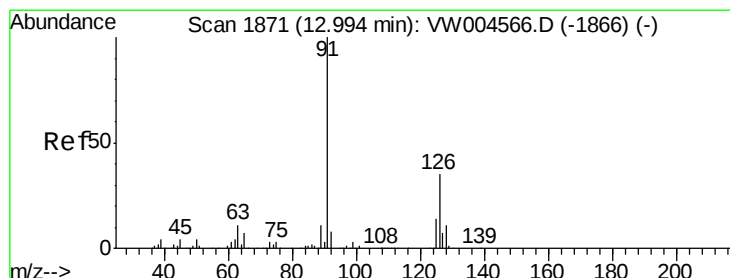
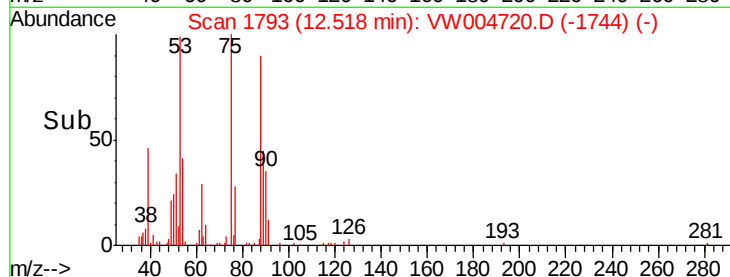
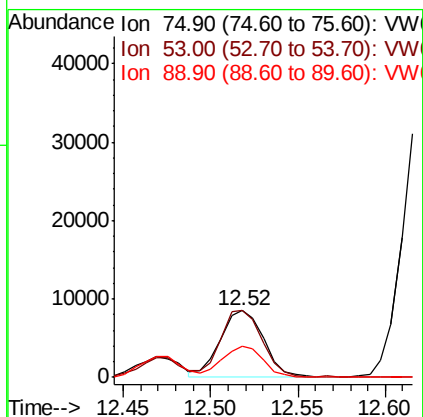
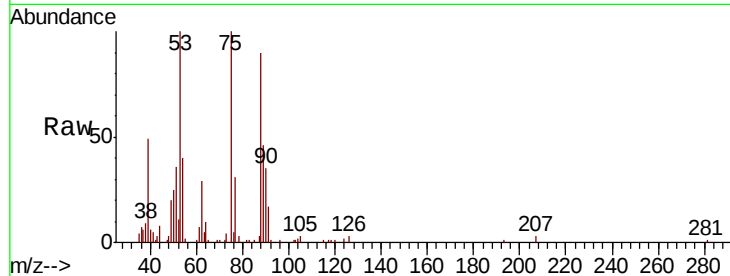
89 43.8 35.9 53.9

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#82

4-Chlorotoluene

Concen: 28.45 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004720.D

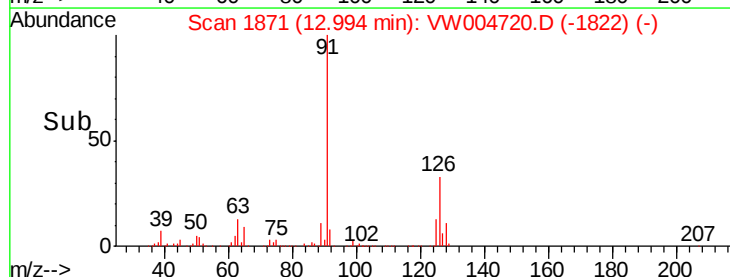
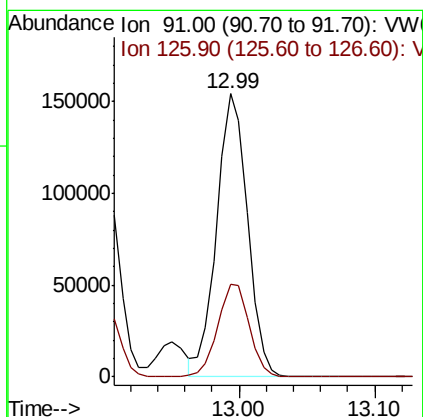
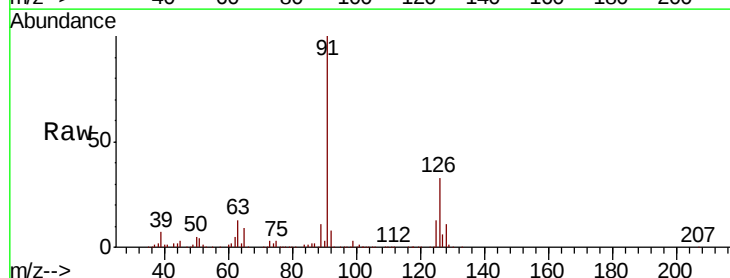
Acq: 16 Aug 2018 02:20

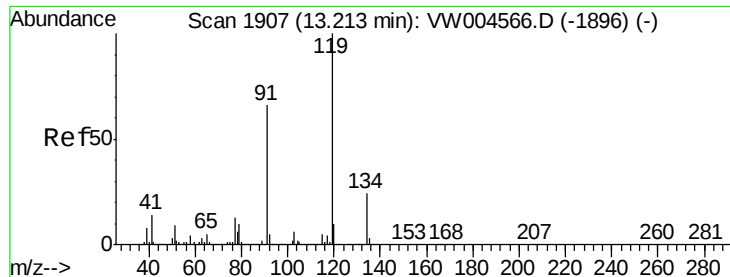
Tgt Ion: 91 Resp: 242496

Ion Ratio Lower Upper

91 100

126 33.6 16.5 49.5





#83

tert-Butylbenzene

Concen: 30.29 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

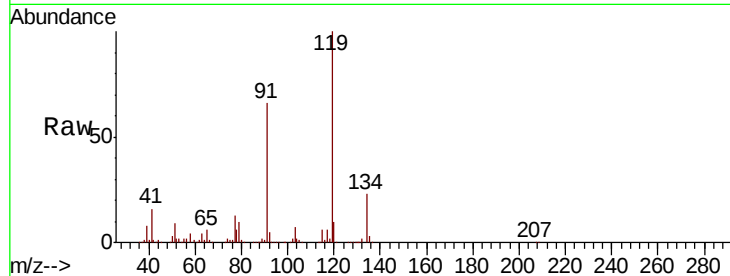
ClientSampleId :

TOD1-SB-01-0-2MS

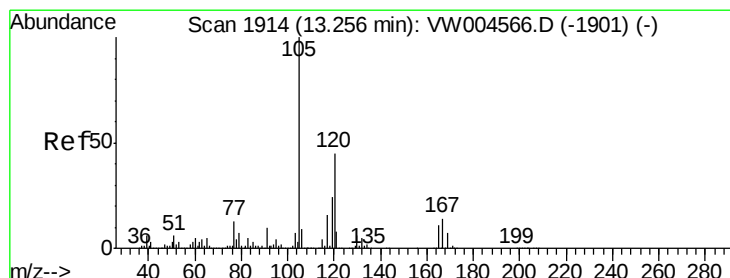
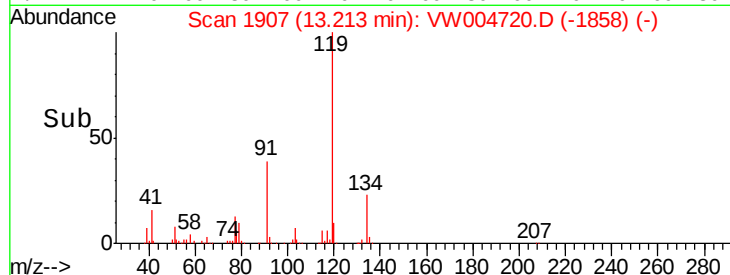
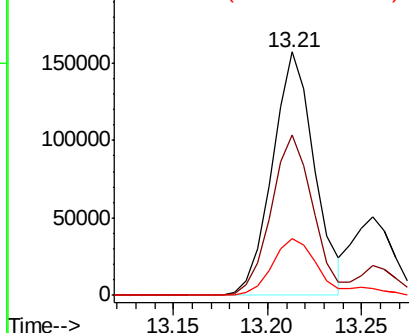
Tot Ion:	119	Resp:	243701
Ion Ratio	Lower	Upper	
119	100		
91	66.0	33.3	99.8
134	24.6	12.2	36.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 27.90 ug/l

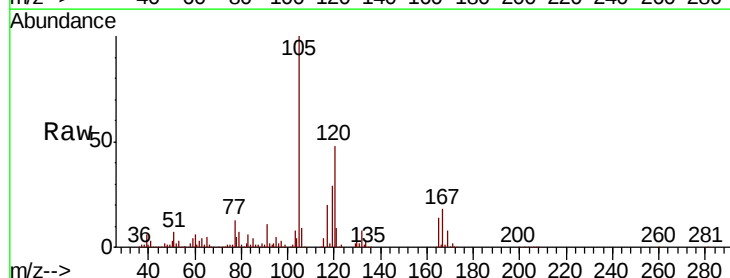
RT: 13.26 min Scan# 1914

Delta R.T. 0.00 min

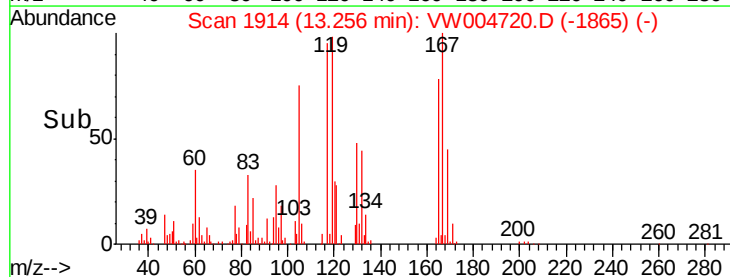
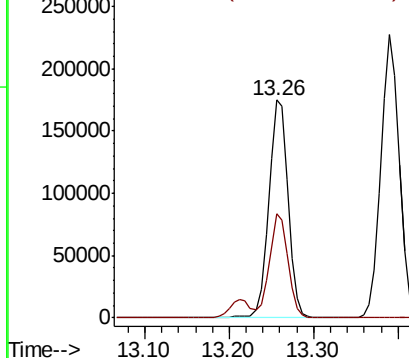
Lab File: VW004720.D

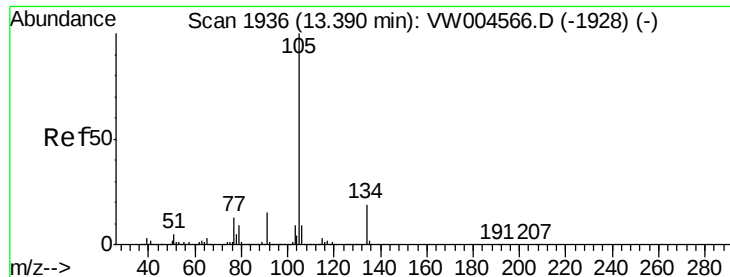
Acq: 16 Aug 2018 02:20

Tgt Ion:	105	Resp:	277034
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.6	67.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 28.49 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MS

Tot Ion:105 Resp: 345830

Ion Ratio Lower Upper

105 100

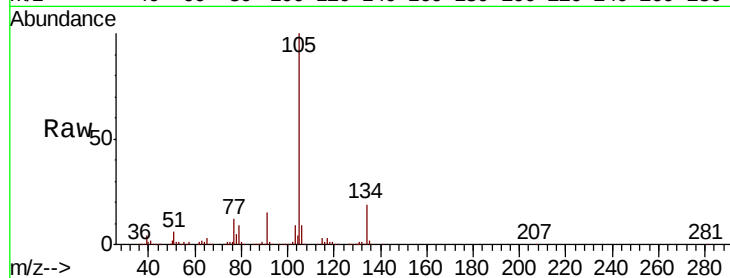
134 19.2 9.8 29.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

100000

50000

0

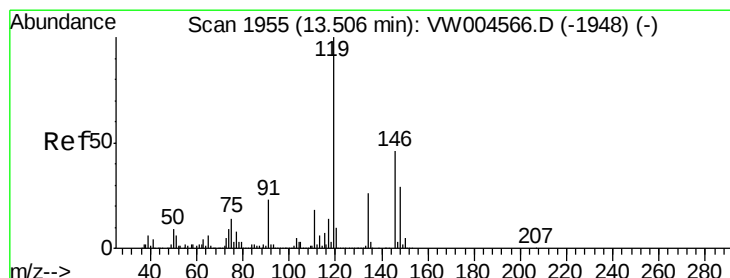
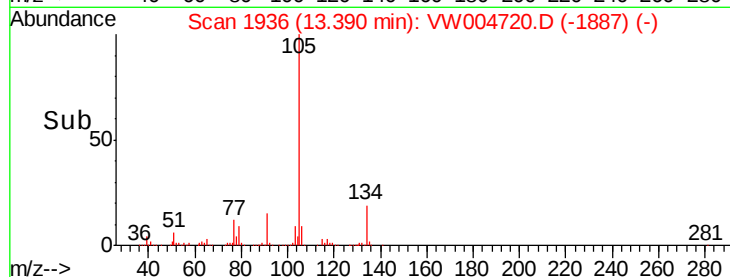
13.39

13.35

13.40

13.45

Time-->



#86

p-Isopropyltoluene

Concen: 25.56 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004720.D

Acq: 16 Aug 2018 02:20

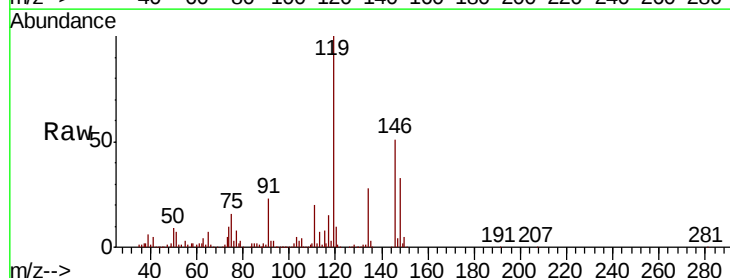
Tgt Ion:119 Resp: 268905

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

91 23.0 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

100000

50000

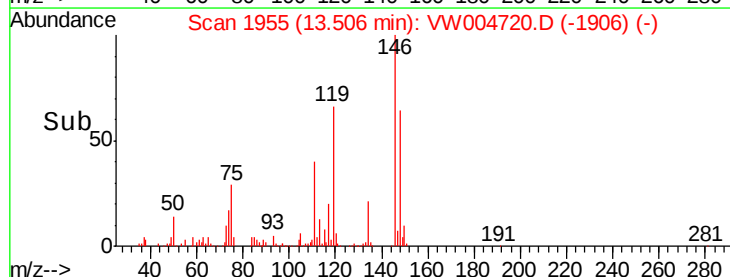
0

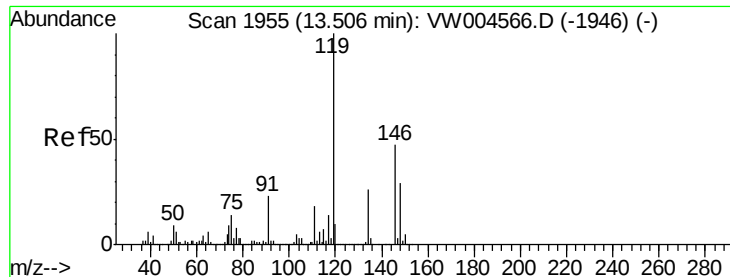
13.51

13.45

13.55

Time-->





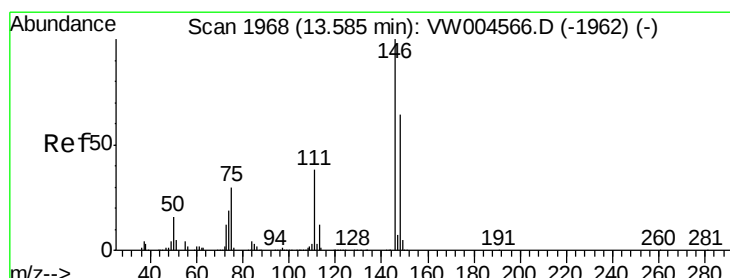
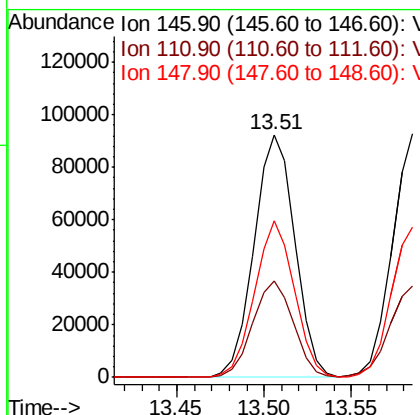
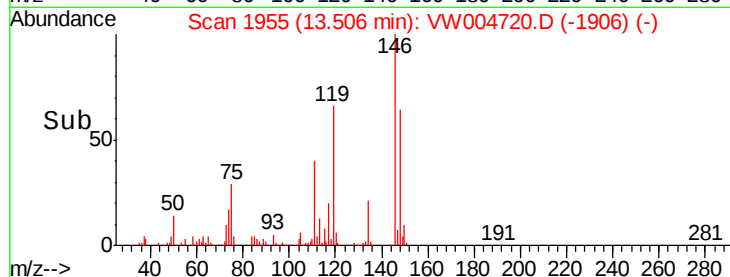
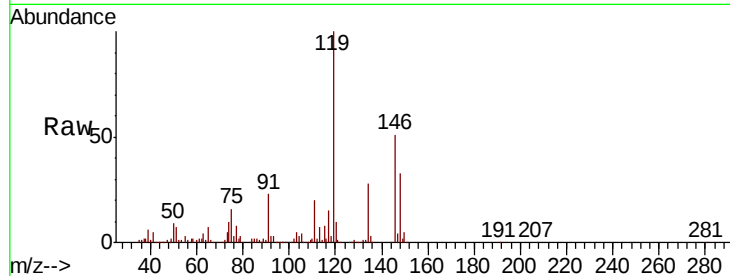
#87
 1,3-Dichlorobenzene
 Concen: 26.69 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	62.9	31.7	95.1

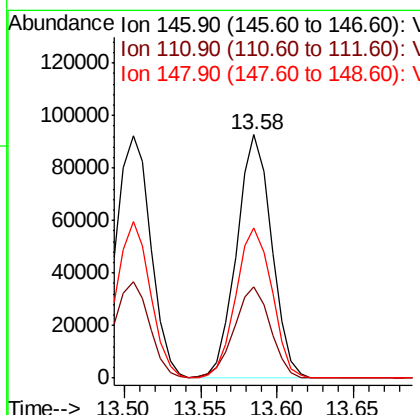
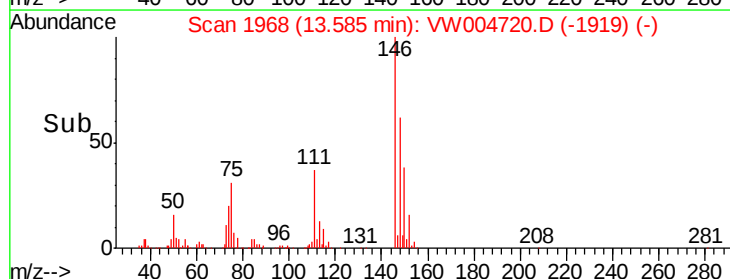
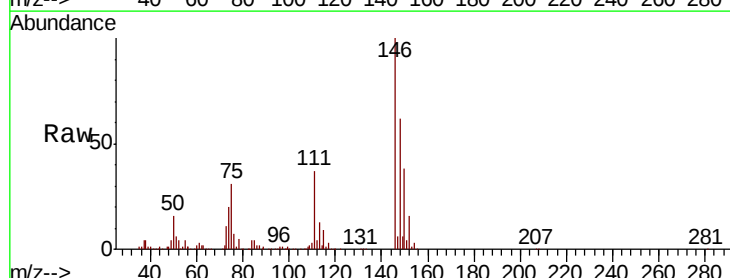
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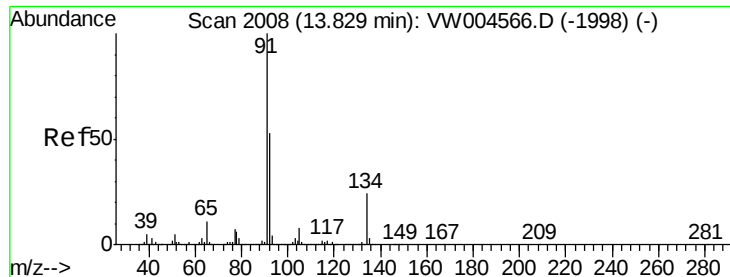
apatel
 8/16/2018 10:01:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 26.34 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.6	58.8
148	63.7	31.9	95.5





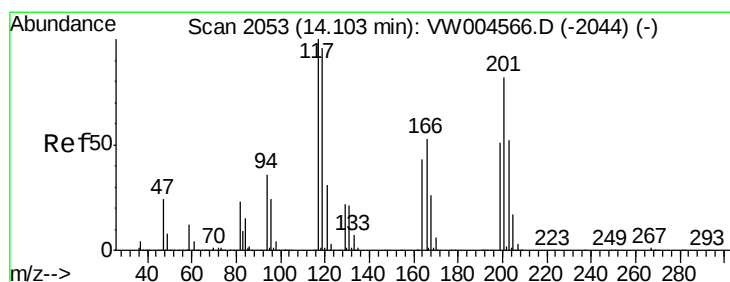
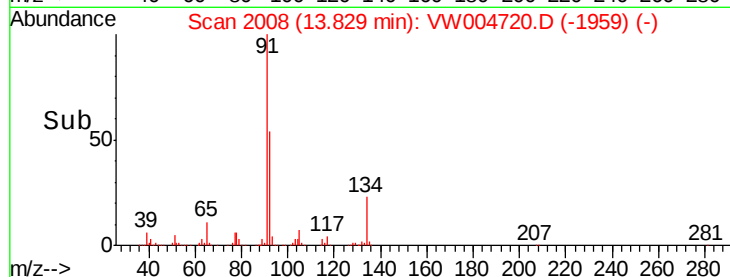
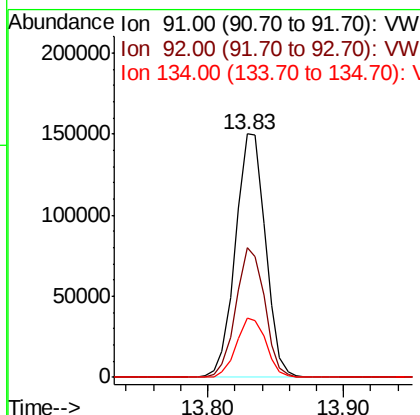
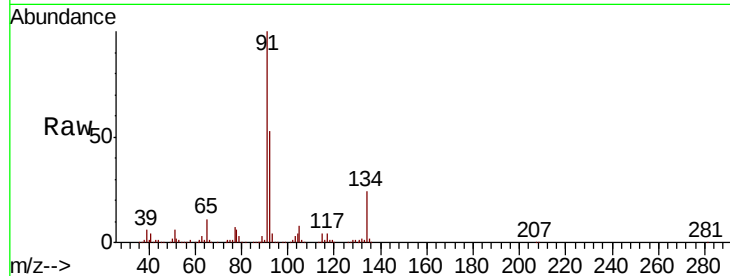
#89
n-Butylbenzene
Concen: 22.27 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.4	79.0
134	24.1	12.4	37.2

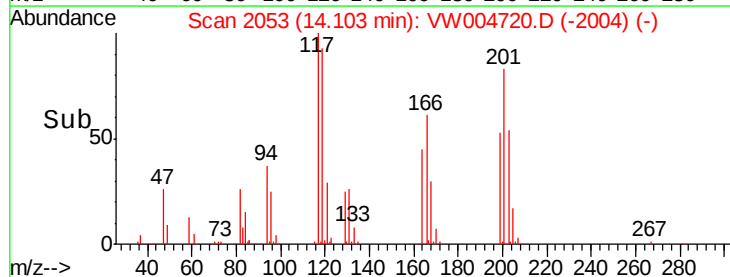
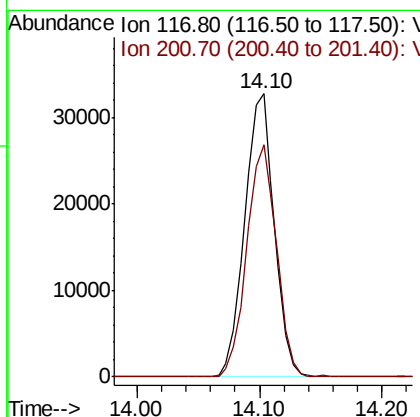
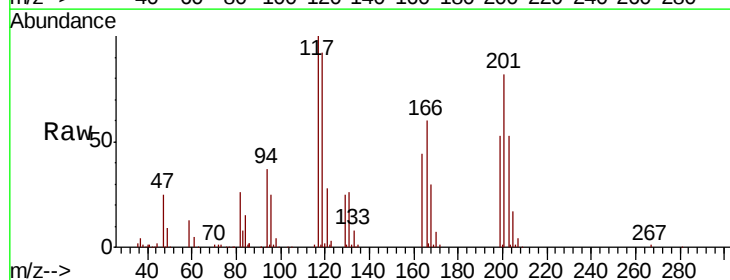
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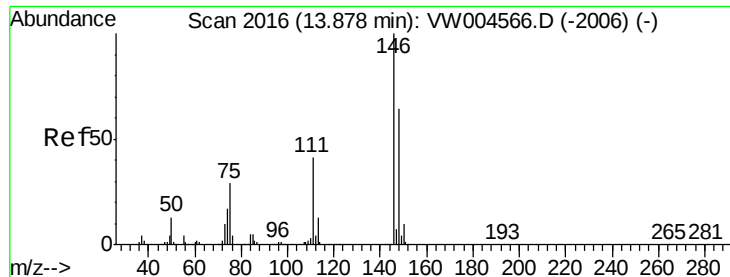
apatel
8/16/2018 10:01:38 AM



#90
Hexachloroethane
Concen: 28.32 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	40.1	120.3





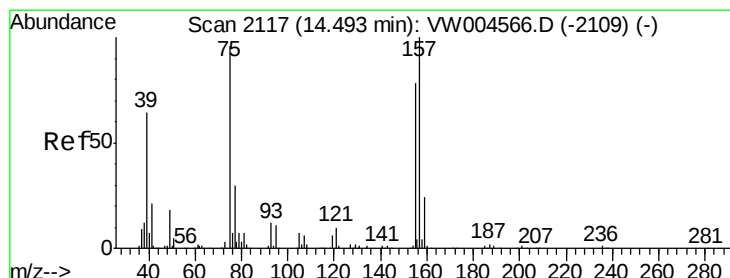
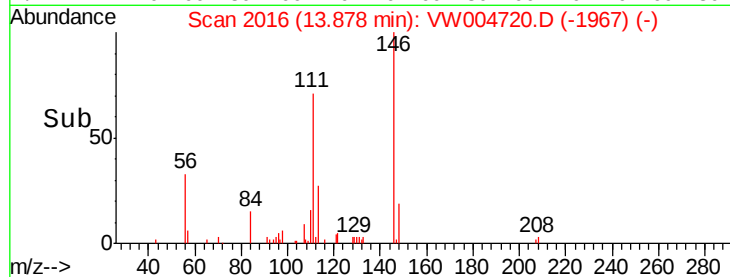
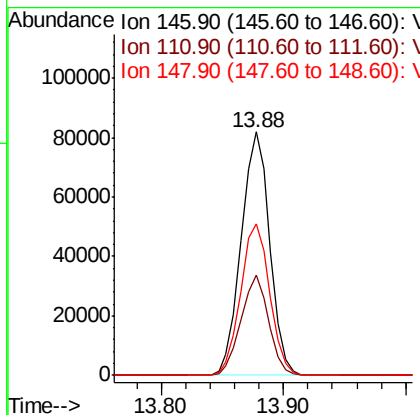
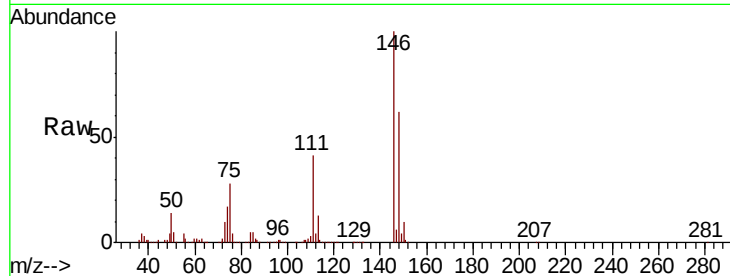
#91
 1,2-Dichlorobenzene
 Concen: 25.99 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132184		
111	40.0		20.8	62.2
148	63.6		31.8	95.4

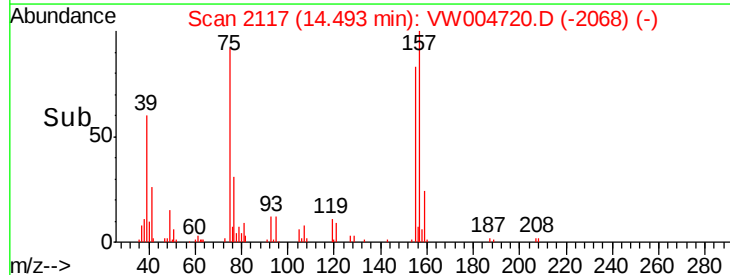
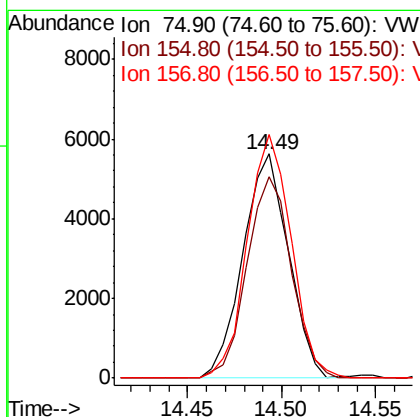
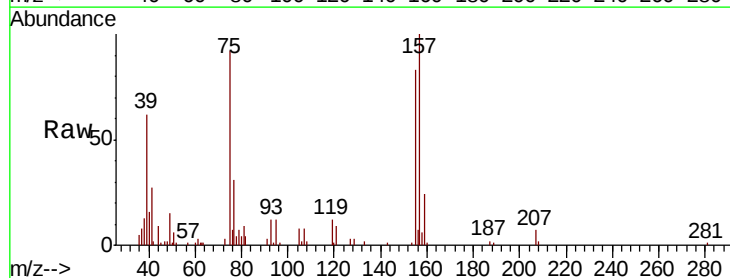
Manual Integrations
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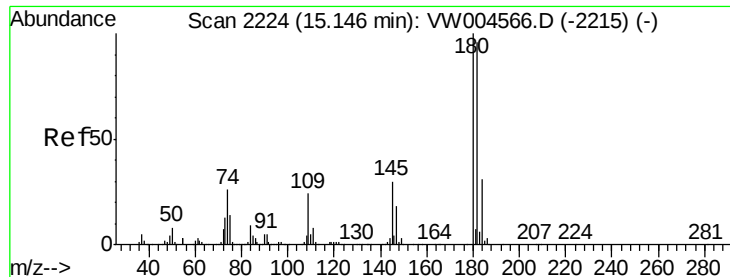
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.58 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9429		
155	87.5		41.3	123.7
157	104.7		52.6	157.8





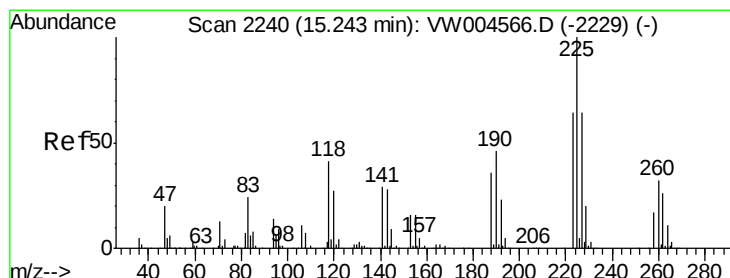
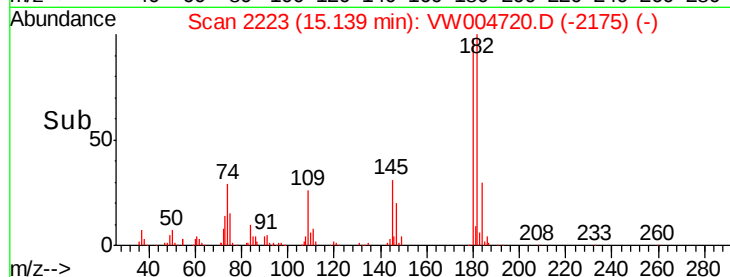
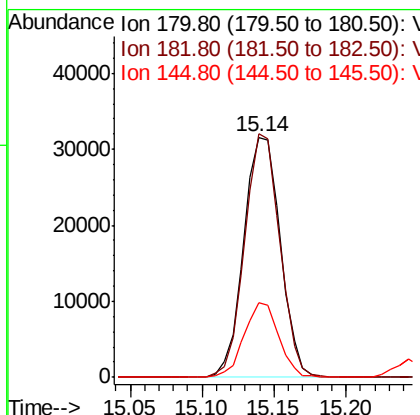
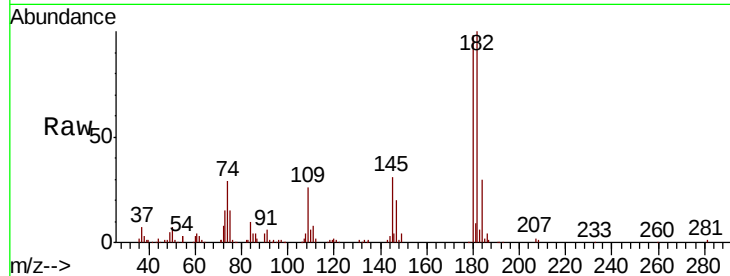
#93
 1,2,4-Trichlorobenzene
 Concen: 15.74 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.0	47.9	143.6	
145	29.4	14.9	44.9	

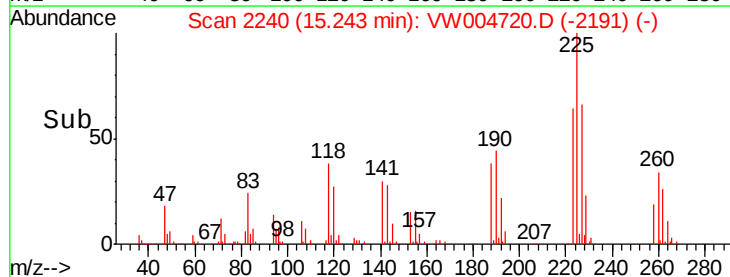
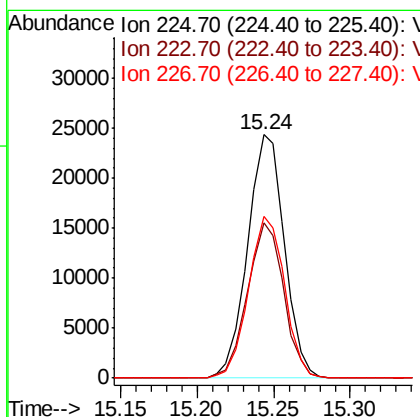
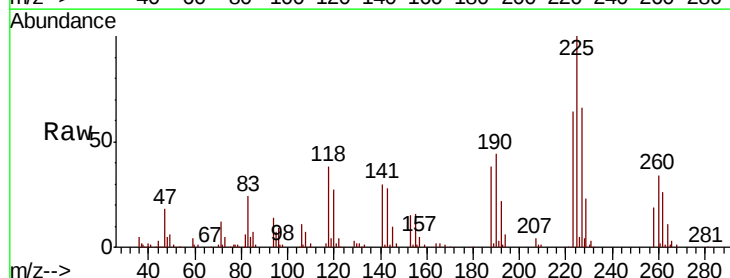
Manual Integrations
 APPROVED

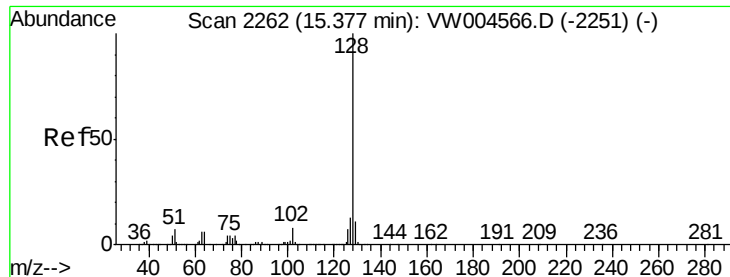
apatel
 8/16/2018 10:01:38 AM



#94
 Hexachlorobutadiene
 Concen: 19.84 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004720.D
 Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.1	31.3	93.8	
227	65.1	31.8	95.4	





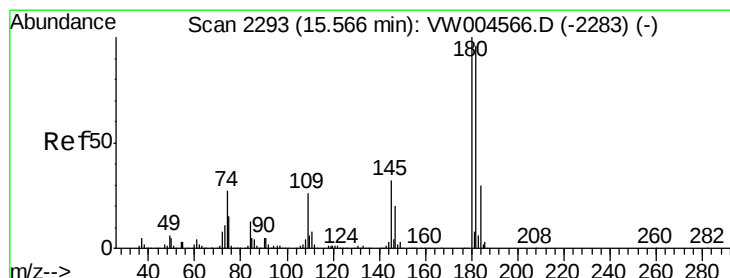
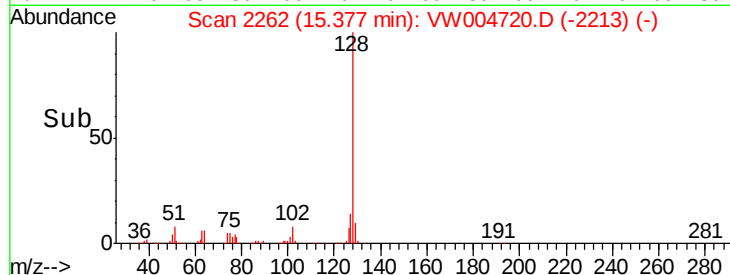
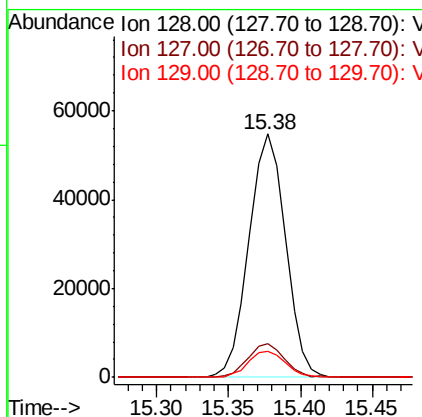
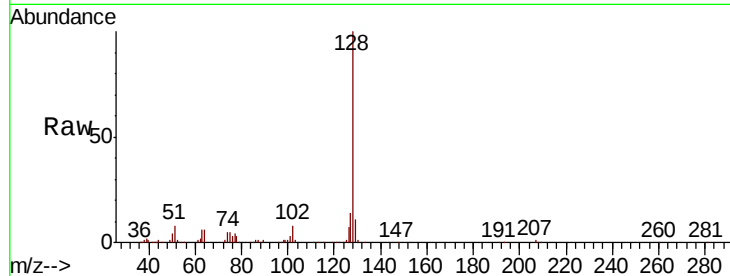
#95
Naphthalene
Concen: 15.41 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
8/16/2018 10:01:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 14.92 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004720.D
Acq: 16 Aug 2018 02:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.0	141.2
145	30.7	15.9	47.6

