

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\
 Data File : VW005056.D
 Acq On : 01 Sep 2018 00:39
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 9/4/2018 9:36:56 AM

Quant Time: Sep 01 03:21:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 01 03:06:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	501446	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	727955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	722145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	395700	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	78893	22.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.78%	
35) Dibromofluoromethane	7.89	113	79219	21.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.78%	
50) Toluene-d8	10.33	98	357680	18.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.02%	
62) 4-Bromofluorobenzene	12.62	95	127539	17.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	79550	18.46	ug/l	96
3) Chloromethane	2.22	50	110490	17.92	ug/l	99
4) Vinyl Chloride	2.36	62	107630	17.55	ug/l	99
5) Bromomethane	2.76	94	75269	18.65	ug/l	100
6) Chloroethane	2.92	64	64477	17.59	ug/l	99
7) Trichlorofluoromethane	3.26	101	121138	19.05	ug/l	98
8) Diethyl Ether	3.69	74	44773	23.72	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	83345	20.83	ug/l	99
10) Methyl Iodide	4.28	142	102746	18.73	ug/l	99
11) Tert butyl alcohol	5.18	59	29887	116.47	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	74877	20.11	ug/l	100
13) Acrolein	3.90	56	25118	87.99	ug/l	99
14) Allyl chloride	4.68	41	115216	20.00	ug/l	99
15) Acrylonitrile	5.38	53	90918	97.52	ug/l	99
16) Acetone	4.13	43	78912	100.43	ug/l	91
17) Carbon Disulfide	4.39	76	255271	16.76	ug/l	98
18) Methyl Acetate	4.68	43	47698	24.35	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	189543	23.14	ug/l	100
20) Methylene Chloride	4.92	84	121945	18.56	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	93019	22.54	ug/l	98
22) Diisopropyl ether	6.32	45	258264	21.91	ug/l	99
23) Vinyl Acetate	6.26	43	675993	111.38	ug/l	99
24) 1,1-Dichloroethane	6.22	63	155123	21.61	ug/l	99
25) 2-Butanone	7.18	43	136029	109.53	ug/l	97
26) 2,2-Dichloropropane	7.17	77	126567	20.31	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	99471	22.04	ug/l	97
28) Bromochloromethane	7.52	49	67576	21.88	ug/l	98
29) Tetrahydrofuran	7.54	42	69648	109.91	ug/l	99
30) Chloroform	7.68	83	160768	22.59	ug/l	99
31) Cyclohexane	7.96	56	154286	20.65	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	142284	21.97	ug/l	98
36) 1,1-Dichloropropene	8.09	75	132804	21.19	ug/l	99
37) Ethyl Acetate	7.26	43	50335	21.93	ug/l	99
38) Carbon Tetrachloride	8.07	117	126242	20.71	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	149270	17.44	ug/l	98
40) Benzene	8.33	78	399715	19.99	ug/l	100
41) Methacrylonitrile	7.49	41	27199	20.12	ug/l	92
42) 1,2-Dichloroethane	8.41	62	99806	21.97	ug/l	99
43) Isopropyl Acetate	8.43	43	87446	19.47	ug/l	97
44) Trichloroethene	9.10	130	108731	21.11	ug/l	100
45) 1,2-Dichloropropane	9.37	63	99030	21.47	ug/l	98
46) Dibromomethane	9.46	93	47591	21.56	ug/l	99
47) Bromodichloromethane	9.65	83	120835	22.12	ug/l	99
48) Methyl methacrylate	9.44	41	40725	17.48	ug/l	96
49) 1,4-Dioxane	9.46	88	14891	334.47	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	294024	88.63	ug/l	100
52) Toluene	10.40	92	268376	18.15	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	116328	20.33	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	144285	21.48	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	74212	20.81	ug/l	97
56) Ethyl methacrylate	10.65	69	77889	16.93	ug/l	99
57) 1,3-Dichloropropane	10.94	76	122049	20.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	206858	103.34	ug/l	100
59) 2-Hexanone	10.98	43	197442	82.80	ug/l	100
60) Dibromochloromethane	11.13	129	82519	21.12	ug/l	99
61) 1,2-Dibromoethane	11.24	107	66175	19.99	ug/l	100
64) Tetrachloroethene	10.87	164	102879	19.28	ug/l	97
65) Chlorobenzene	11.66	112	300218	18.74	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	93056	20.99	ug/l	99
67) Ethyl Benzene	11.74	91	496758	18.11	ug/l	100
68) m/p-Xylenes	11.85	106	410418	36.82	ug/l	100
69) o-Xylene	12.17	106	185958	18.28	ug/l	98
70) Styrene	12.19	104	311616	18.44	ug/l	100
71) Bromoform	12.35	173	49165	20.06	ug/l #	100
73) Isopropylbenzene	12.47	105	497465	18.53	ug/l	99
74) N-amyl acetate	12.28	43	83770	16.83	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	78570	19.50	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	52578m	18.57	ug/l	
77) Bromobenzene	12.75	156	123074	18.69	ug/l	97
78) n-propylbenzene	12.81	91	606755	18.37	ug/l	100
79) 2-Chlorotoluene	12.90	91	357328	18.74	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	435758	18.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	21346	17.27	ug/l	95
82) 4-Chlorotoluene	12.99	91	380532	18.77	ug/l	99
83) tert-Butylbenzene	13.21	119	356864	17.96	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	449205	18.70	ug/l	100
85) sec-Butylbenzene	13.39	105	533380	18.32	ug/l	99
86) p-Isopropyltoluene	13.51	119	472220	18.13	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	257683	18.57	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	254200	18.51	ug/l	99
89) n-Butylbenzene	13.83	91	429176	17.59	ug/l	98
90) Hexachloroethane	14.10	117	77771	18.92	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	226764	18.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11839	17.14	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	147442	17.34	ug/l	99
94) Hexachlorobutadiene	15.24	225	93483	17.58	ug/l	99
95) Naphthalene	15.38	128	222197	16.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	126237	16.87	ug/l	99

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

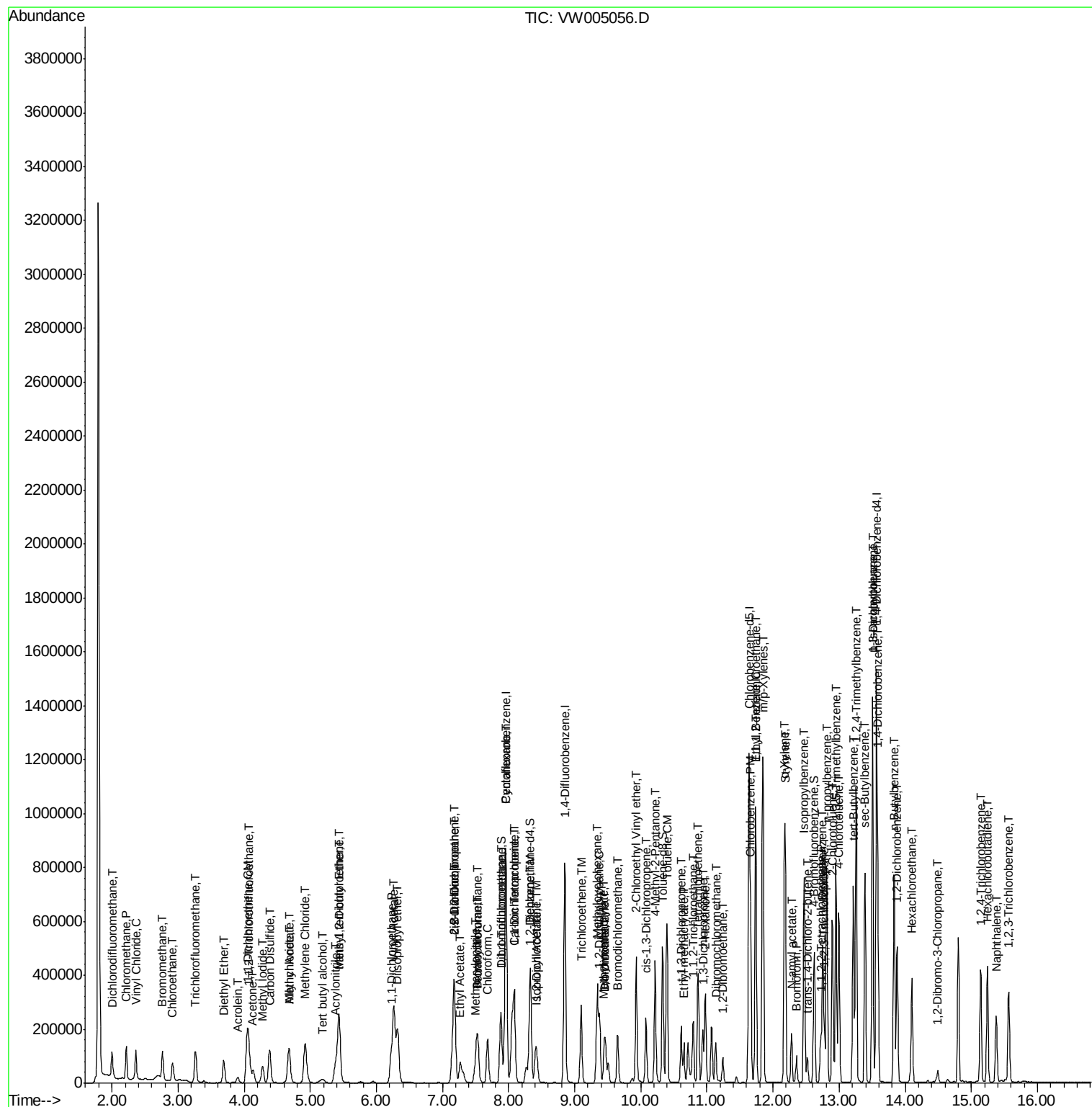
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\
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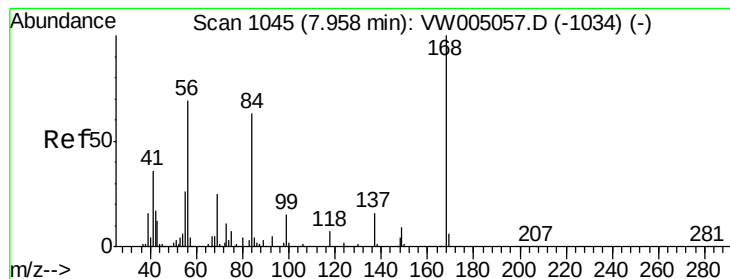
Instrument :
 MSVOA_W
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 501446

Ion Ratio Lower Upper

168 100

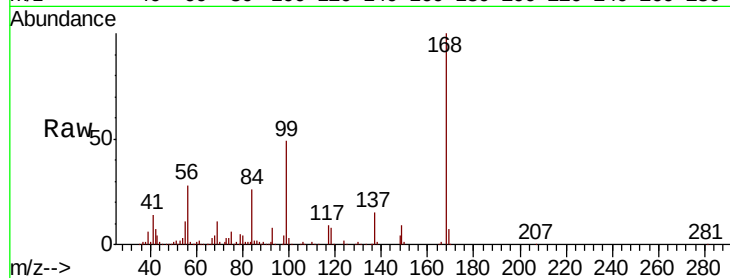
99 48.6 39.4 59.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

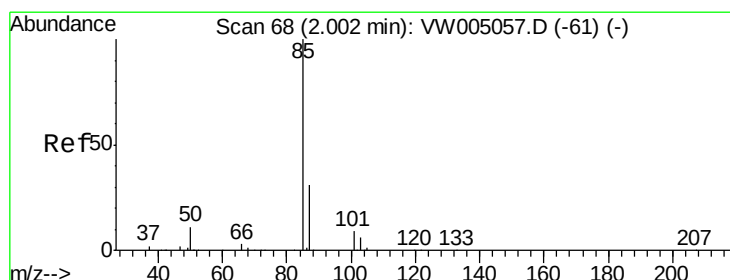
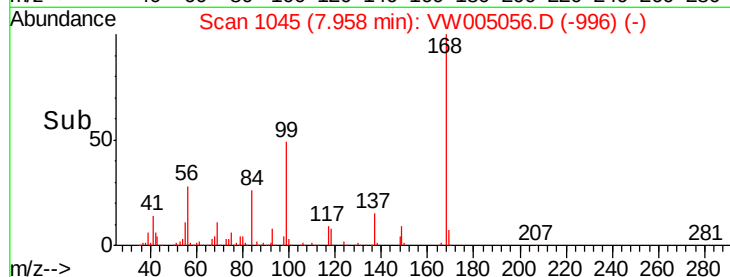
100000

50000

0

7.80 7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.46 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW005056.D

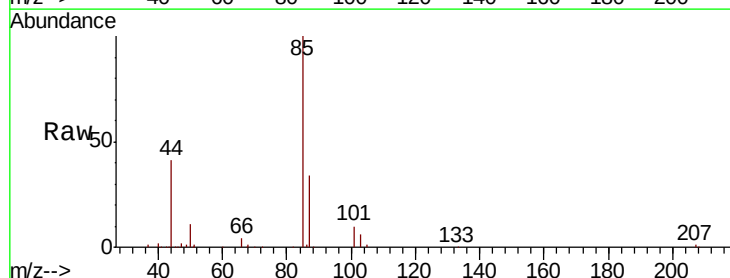
Acq: 01 Sep 2018 00:39

Tgt Ion: 85 Resp: 79550

Ion Ratio Lower Upper

85 100

87 33.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

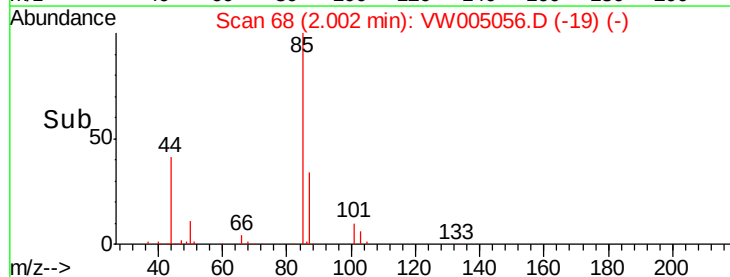
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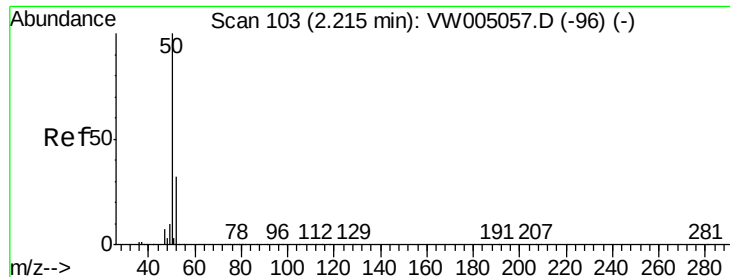
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 17.92 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 110490

Ion Ratio Lower Upper

50 100

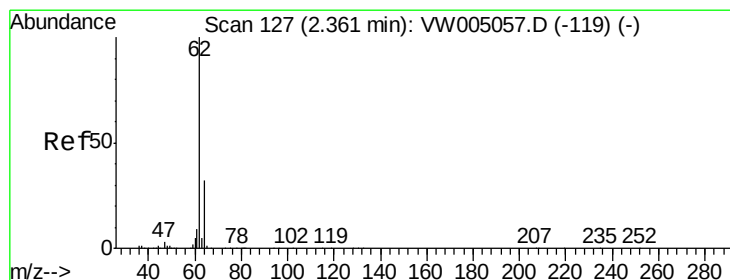
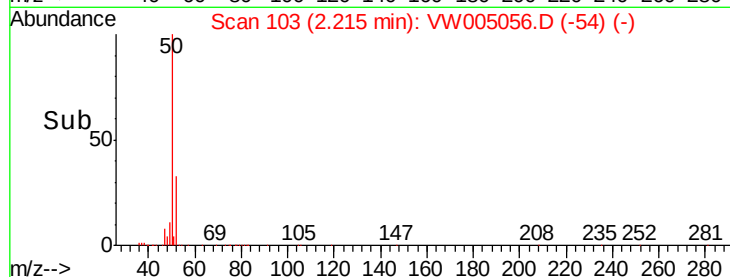
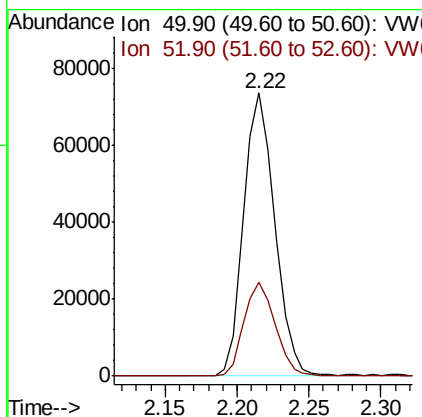
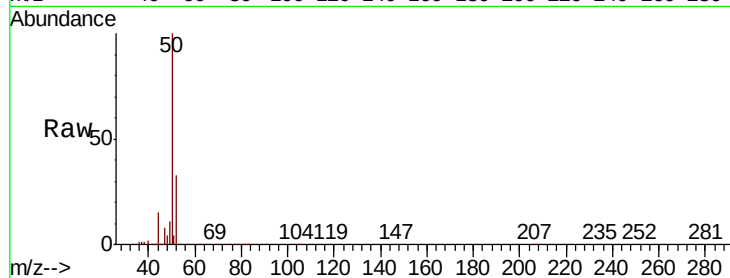
52 33.0 25.8 38.6

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#4

Vinyl Chloride

Concen: 17.55 ug/l

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW005056.D

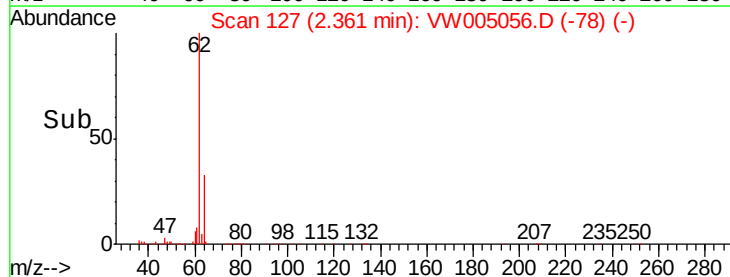
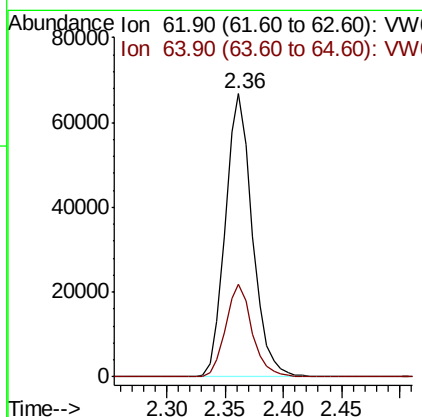
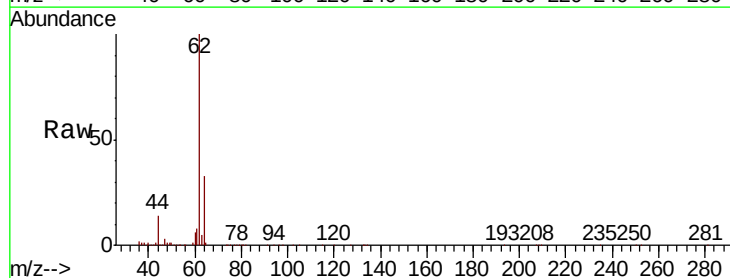
Acq: 01 Sep 2018 00:39

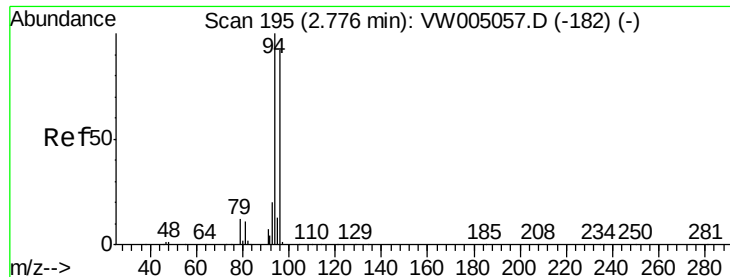
Tgt Ion: 62 Resp: 107630

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 18.65 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tot Ion: 94 Resp: 75269

Ion Ratio Lower Upper

94 100

96 91.2 73.2 109.8

Instrument :

MSVOA_W

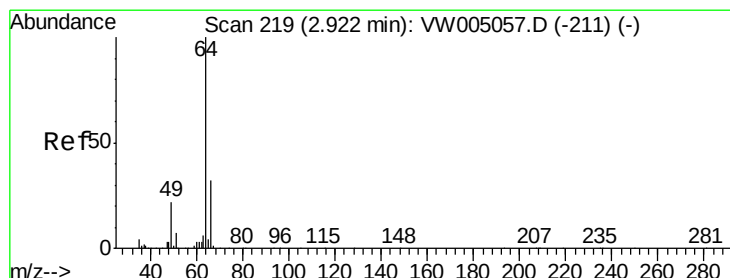
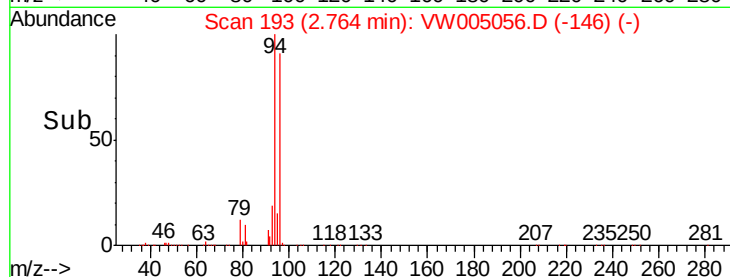
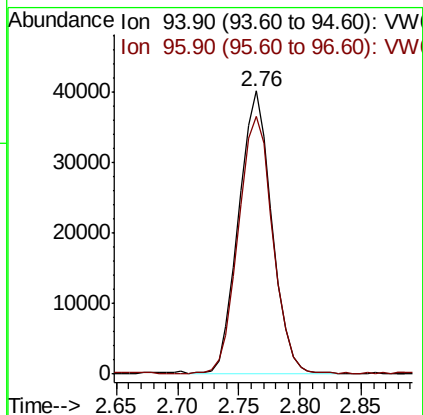
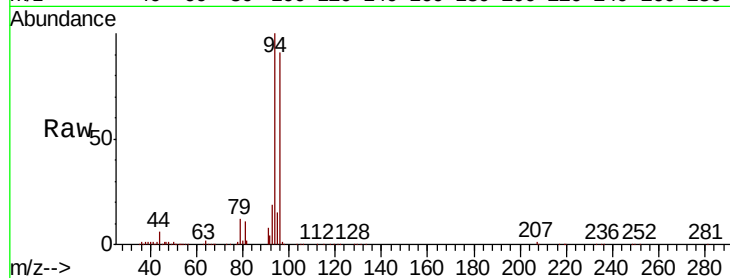
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#6

Chloroethane

Concen: 17.59 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005056.D

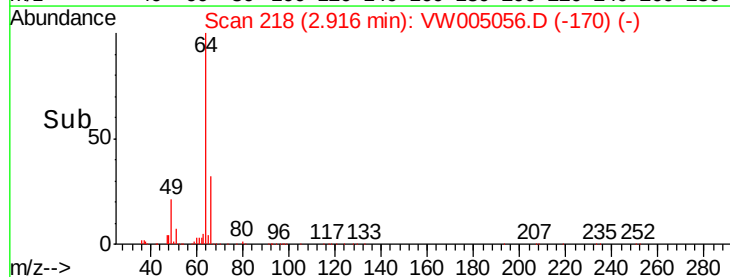
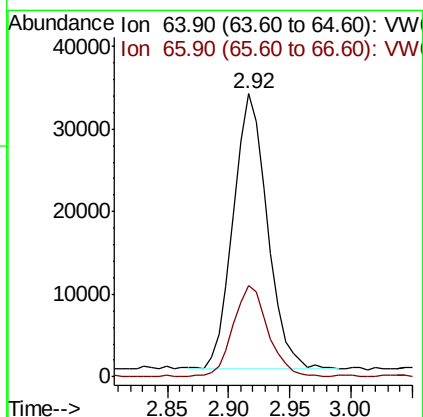
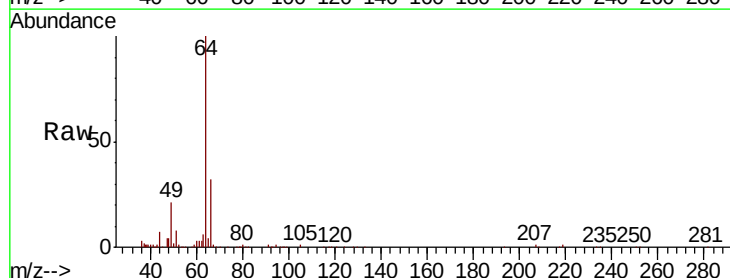
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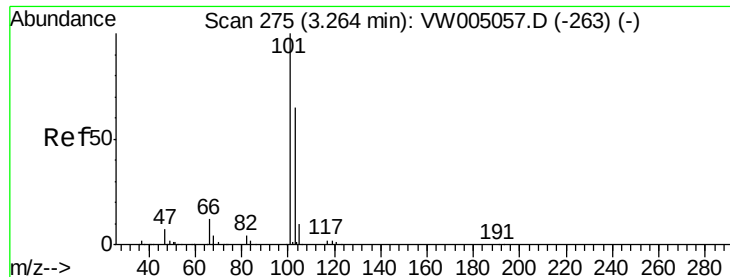
Tgt Ion: 64 Resp: 64477

Ion Ratio Lower Upper

64 100

66 32.9 25.7 38.5





#7

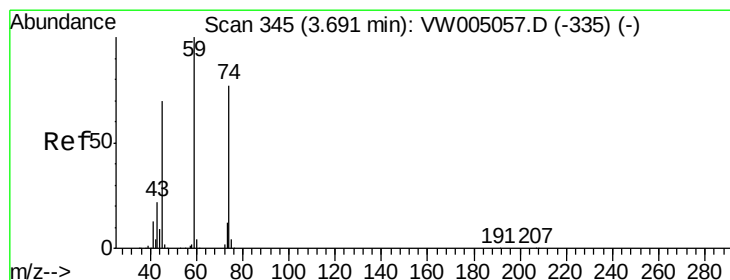
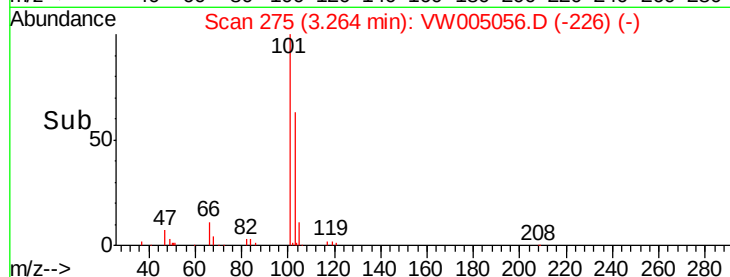
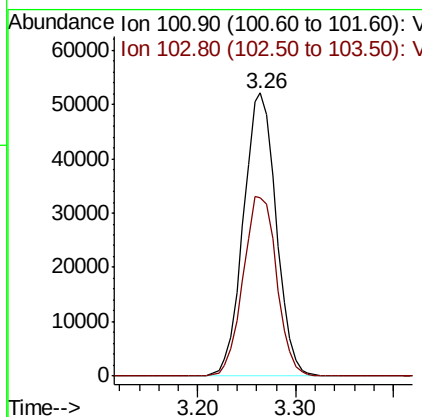
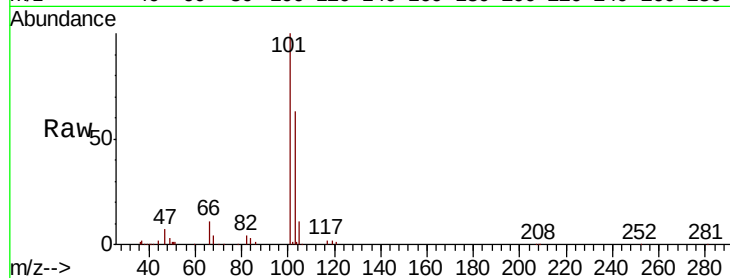
Trichlorofluoromethane
 Concen: 19.05 ug/l
 RT: 3.26 min Scan# 275
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.9	77.9

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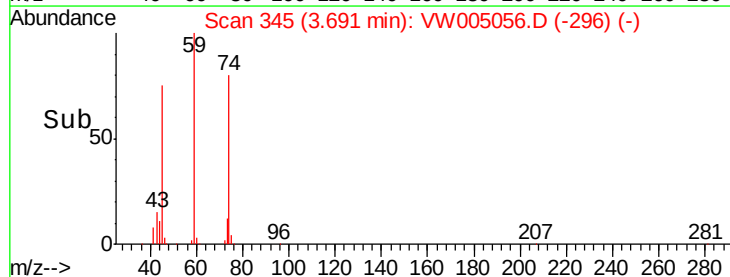
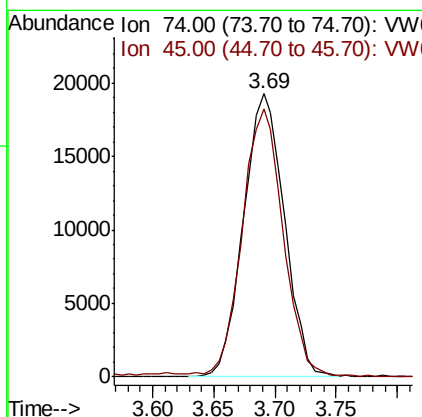
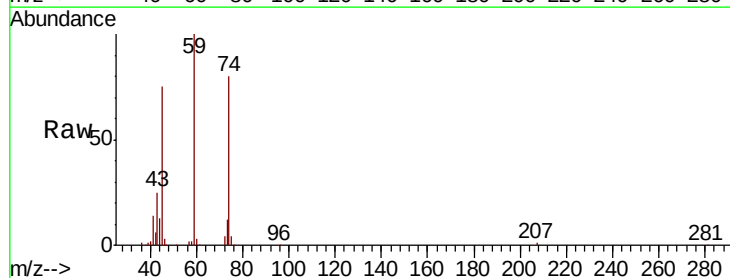
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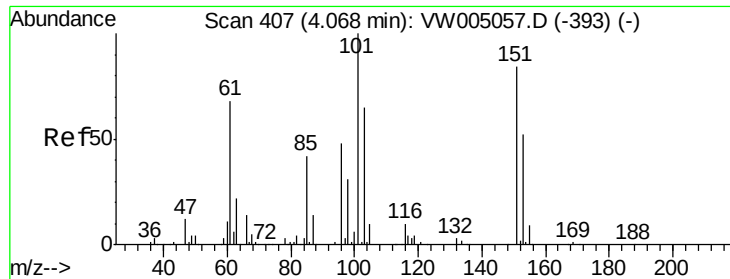


#8

Diethyl Ether
 Concen: 23.72 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	46.0	137.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.83 ug/l

RT: 4.07 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

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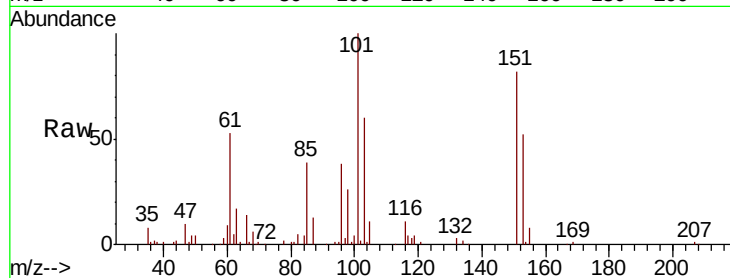
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VSTDIC020

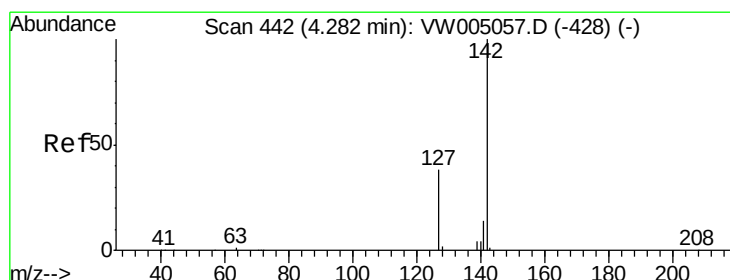
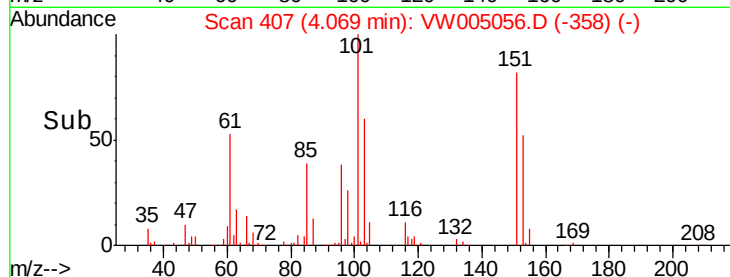
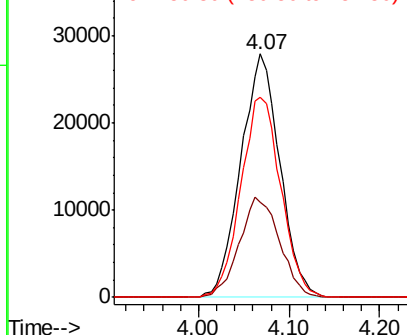
Tot Ion:	101	Resp:	83345
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.0	49.6
151	84.3	67.0	100.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.73 ug/l

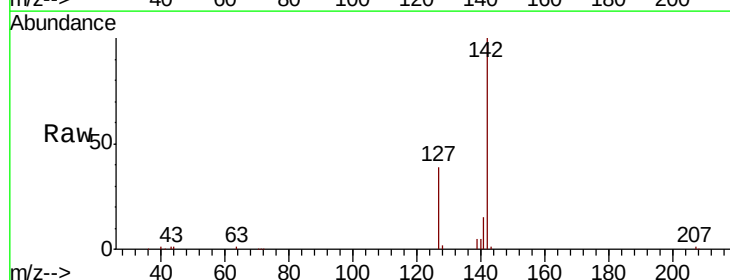
RT: 4.28 min Scan# 441

Delta R.T. -0.01 min

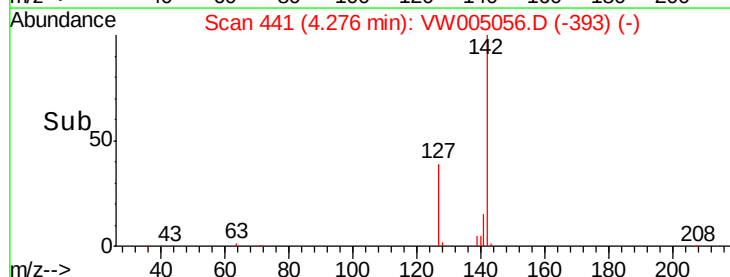
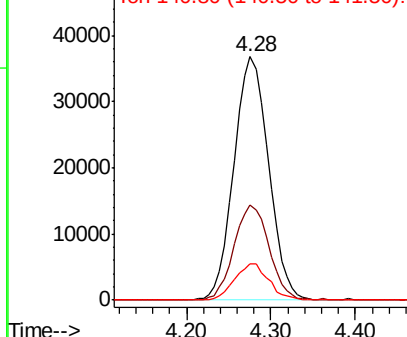
Lab File: VW005056.D

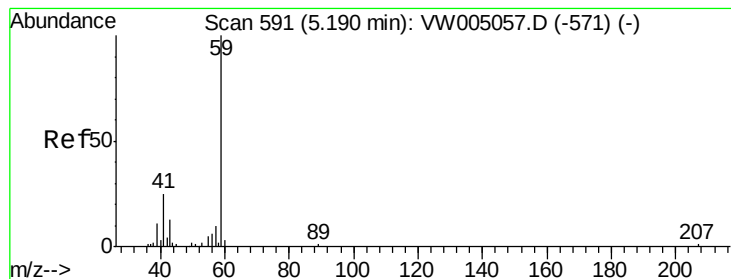
Acq: 01 Sep 2018 00:39

Tgt Ion:	142	Resp:	102746
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.8	46.2
141	14.6	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

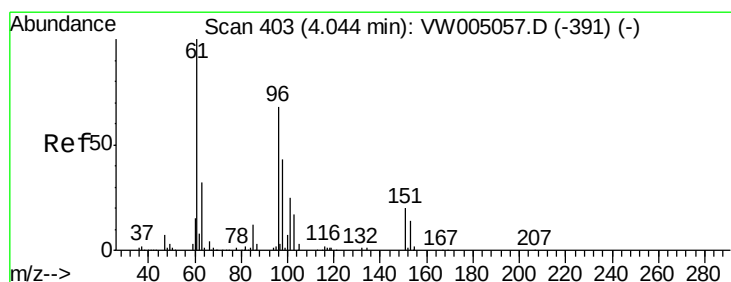
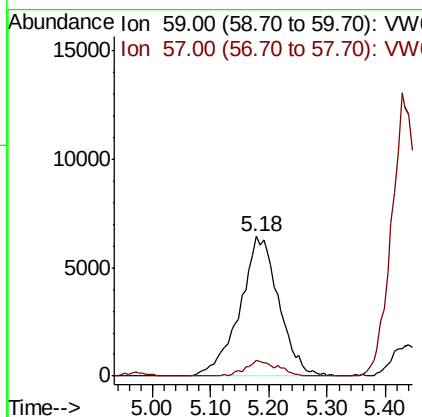
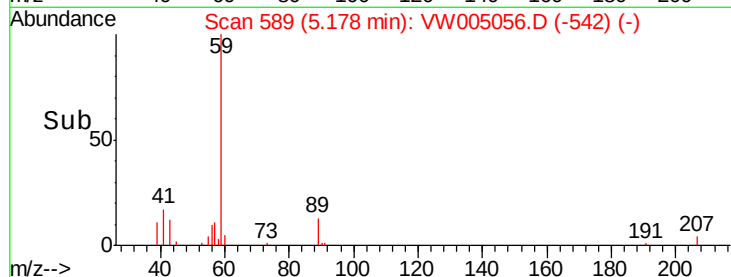
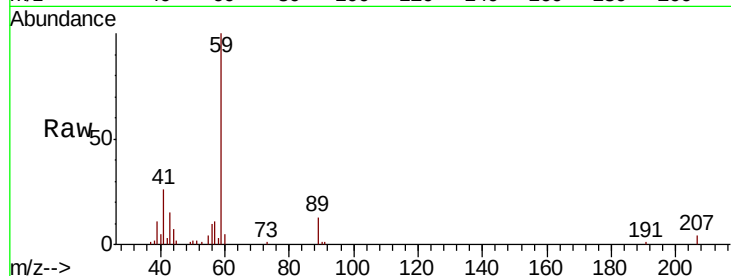
Tert butyl alcohol
Concen: 116.47 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.01 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.9	8.6	12.8#

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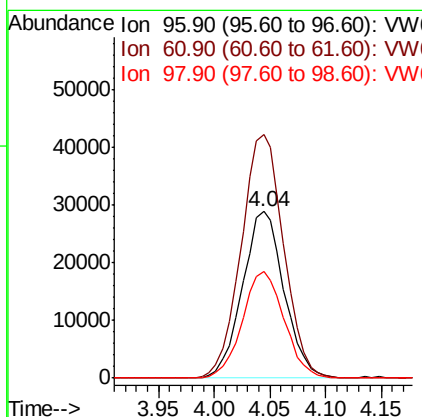
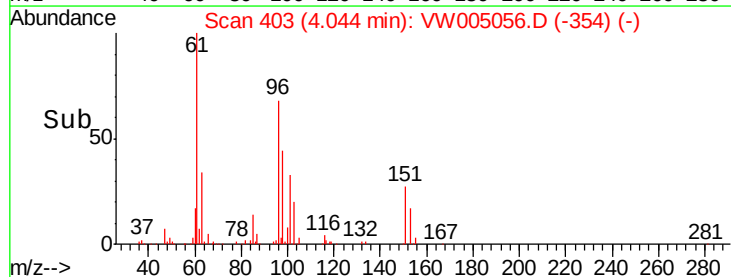
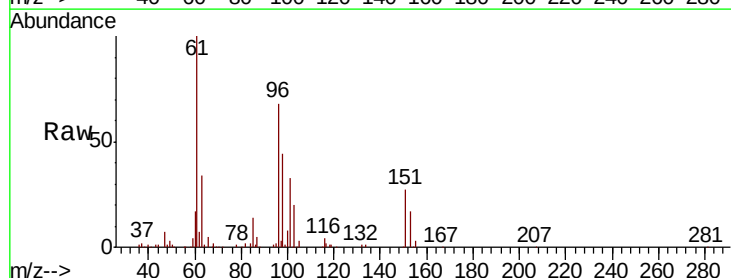
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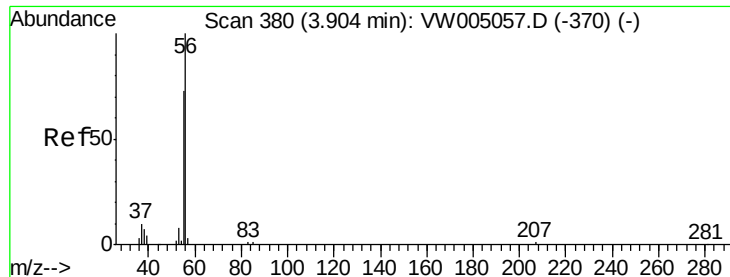


#12

1,1-Dichloroethene
Concen: 20.11 ug/l
RT: 4.04 min Scan# 403
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.1	117.4	176.0
98	63.8	51.0	76.4





#13

Acrolein

Concen: 87.99 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 25118

Ion Ratio Lower Upper

56 100

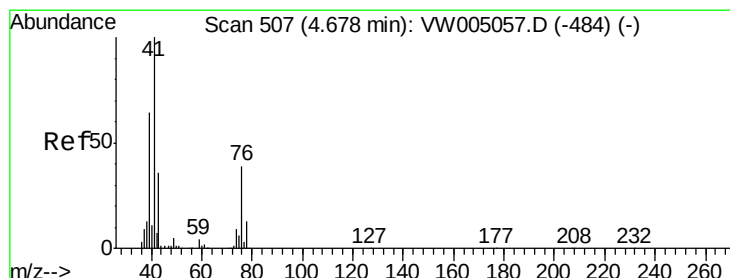
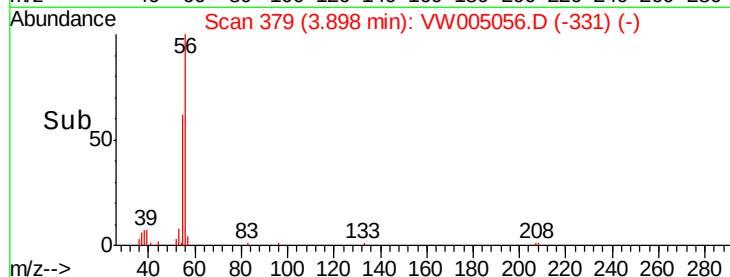
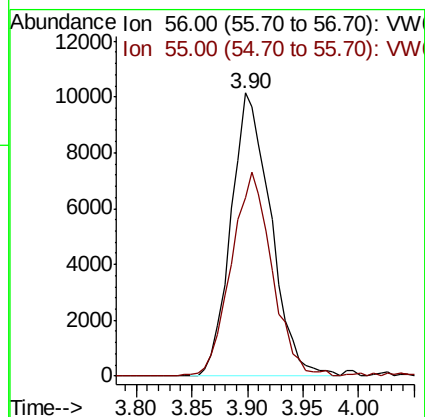
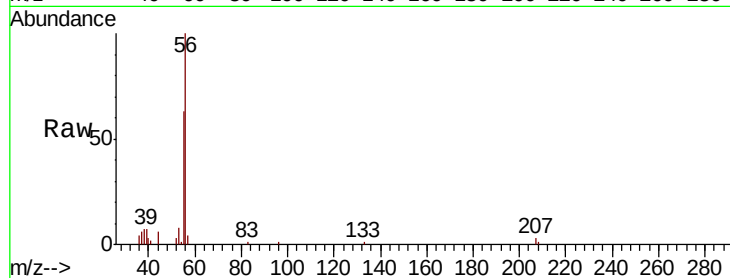
55 73.8 58.1 87.1

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#14

Allyl chloride

Concen: 20.00 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

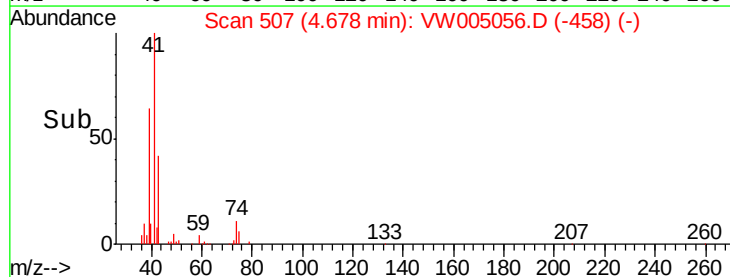
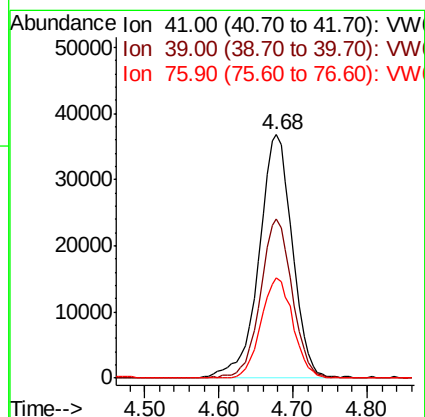
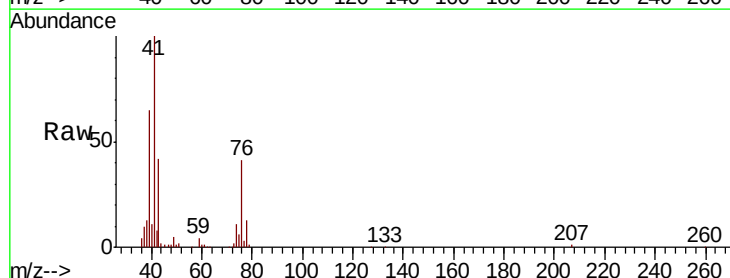
Tgt Ion: 41 Resp: 115216

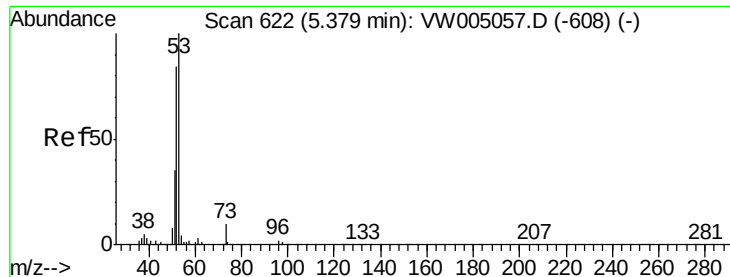
Ion Ratio Lower Upper

41 100

39 62.7 49.4 74.2

76 39.4 31.8 47.6





#15

Acrylonitrile

Concen: 97.52 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

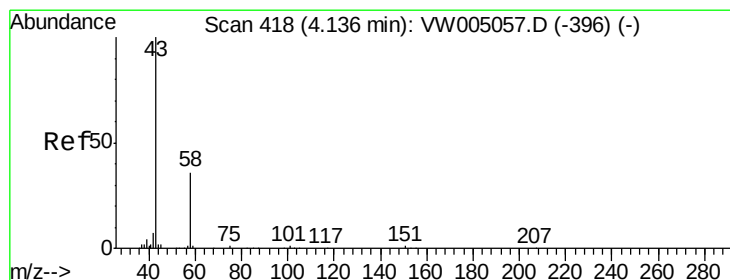
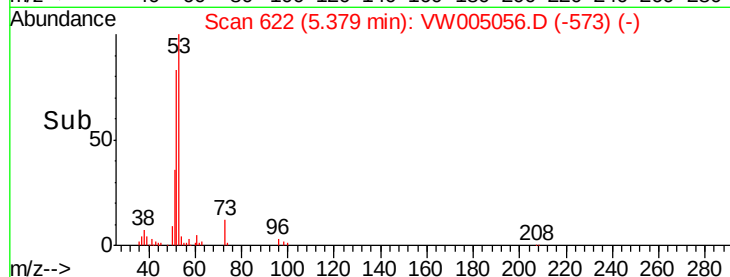
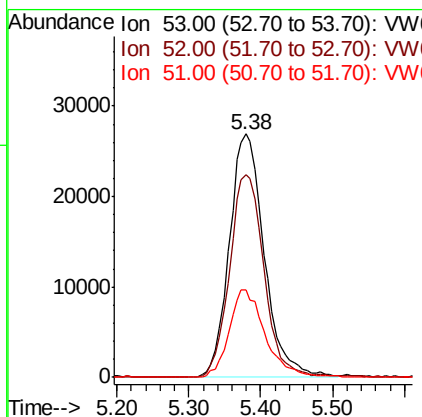
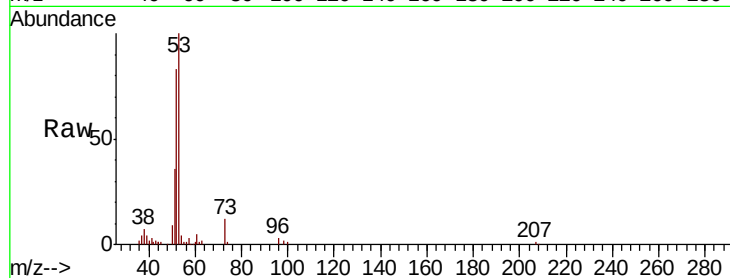
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	90918
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.7	98.5
51	37.1	28.8	43.2

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#16

Acetone

Concen: 100.43 ug/l

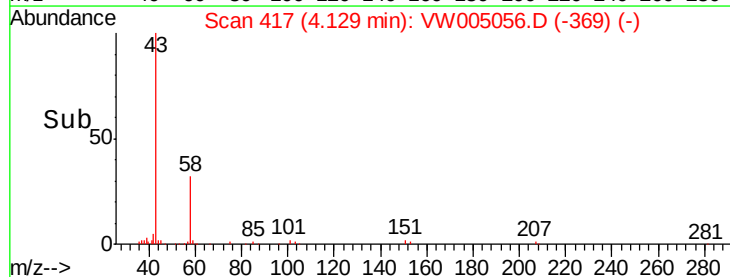
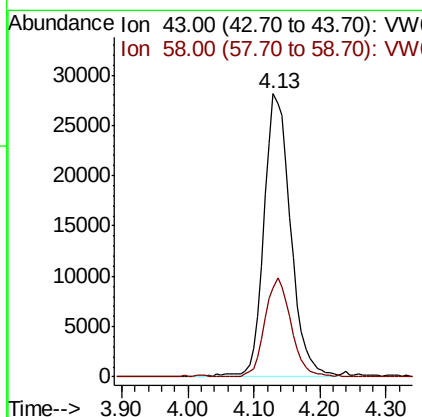
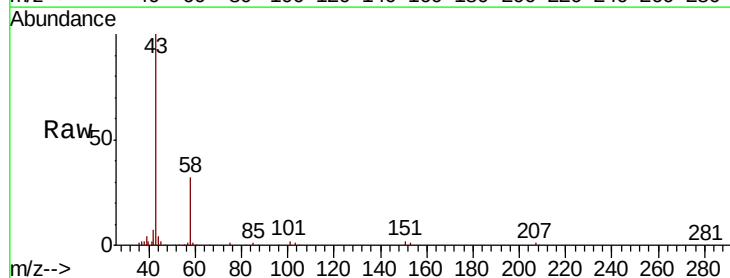
RT: 4.13 min Scan# 417

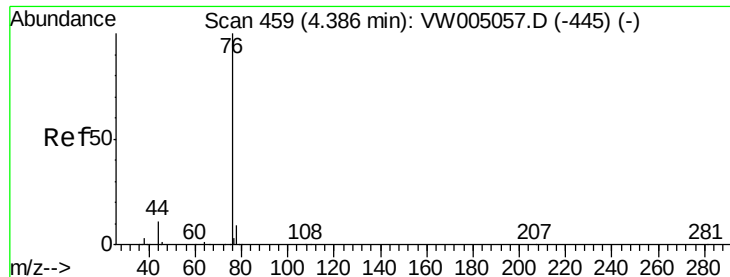
Delta R.T. -0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tgt Ion:	43	Resp:	78912
Ion	Ratio	Lower	Upper
43	100		
58	31.1	29.0	43.6





#17

Carbon Disulfide

Concen: 16.76 ug/l

RT: 4.39 min Scan# 459

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 255271

Ion Ratio Lower Upper

76 100

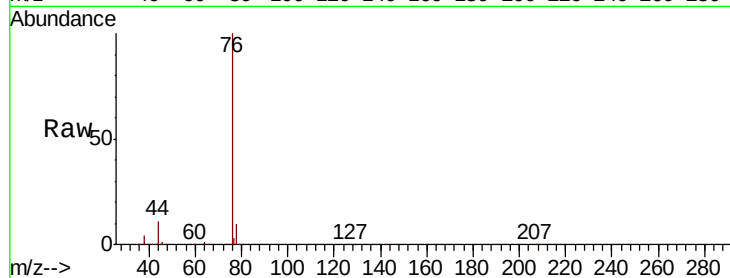
78 9.6 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

100000

80000

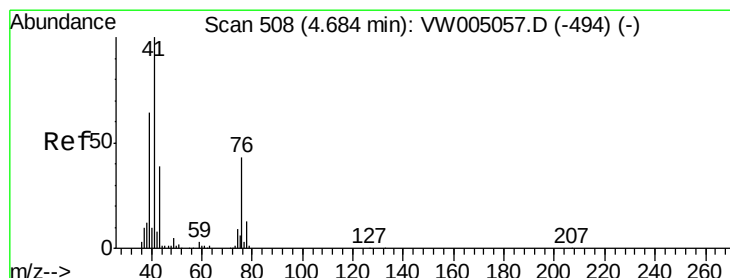
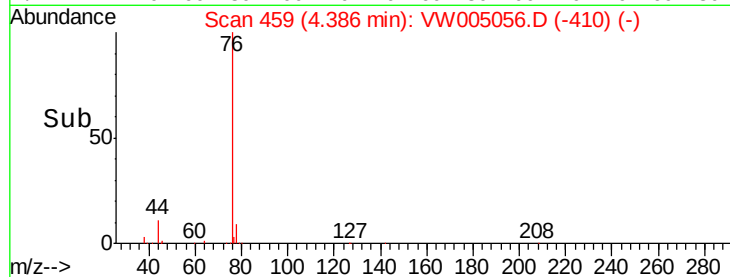
60000

40000

20000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 24.35 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW005056.D

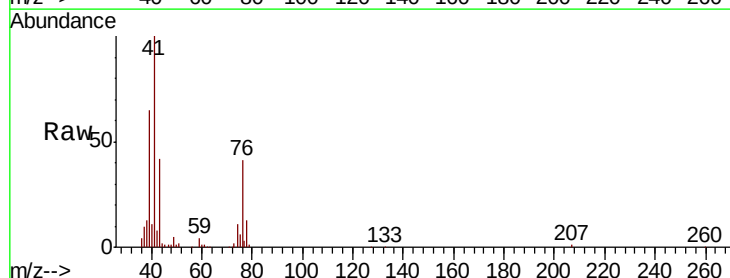
Acq: 01 Sep 2018 00:39

Tgt Ion: 43 Resp: 47698

Ion Ratio Lower Upper

43 100

74 25.3 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

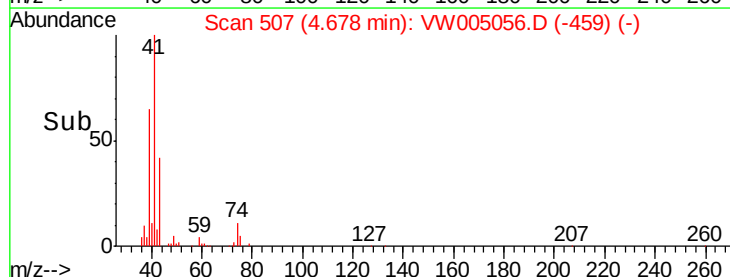
15000

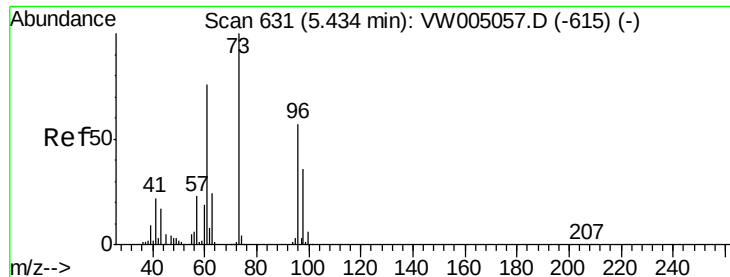
10000

5000

0

Time--> 4.50 4.60 4.70 4.80





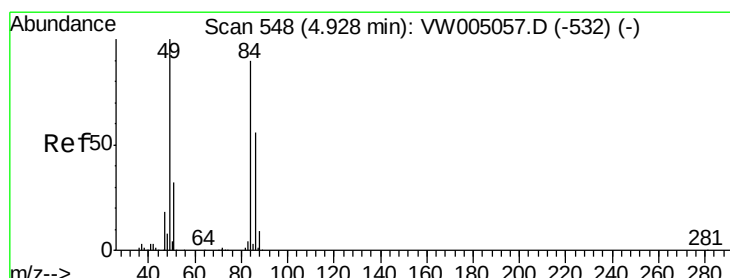
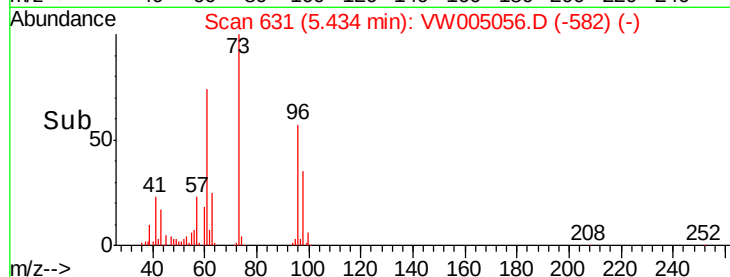
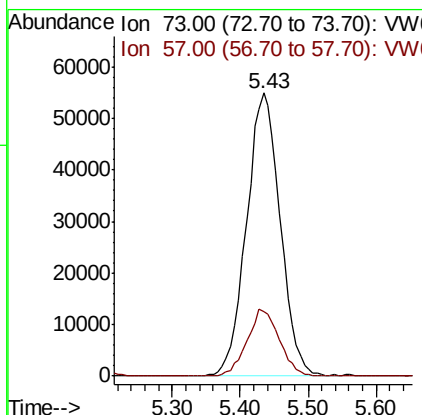
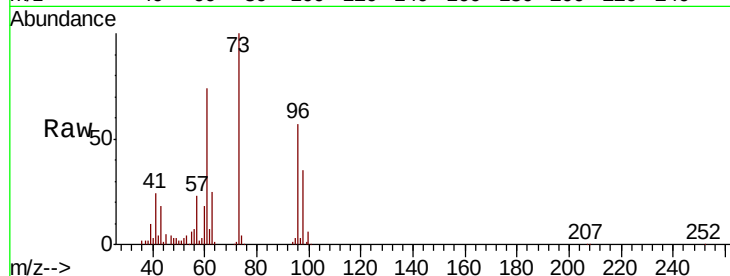
#19
Methyl tert-butyl Ether
Concen: 23.14 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.1	27.1

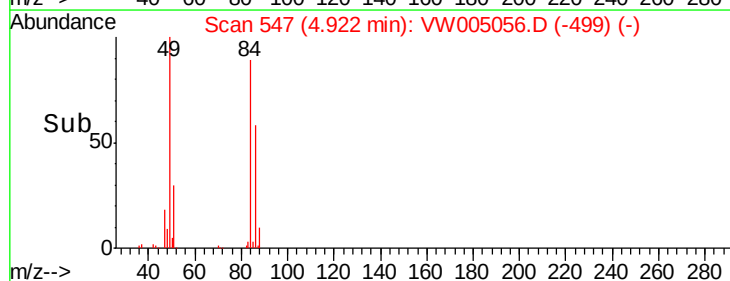
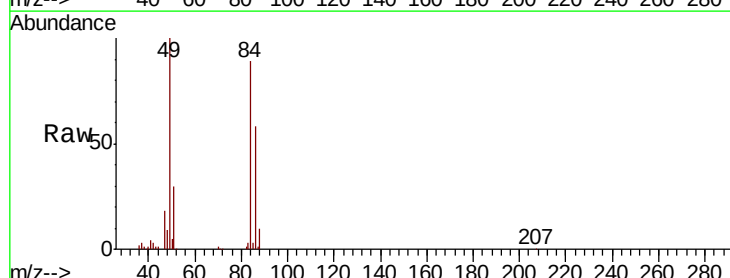
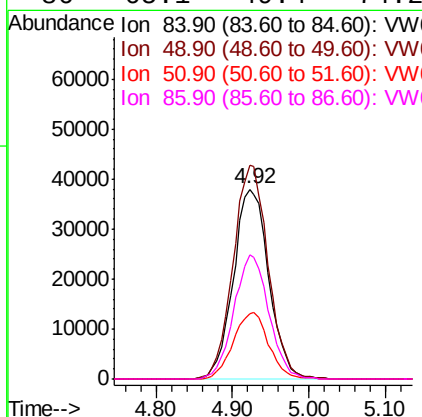
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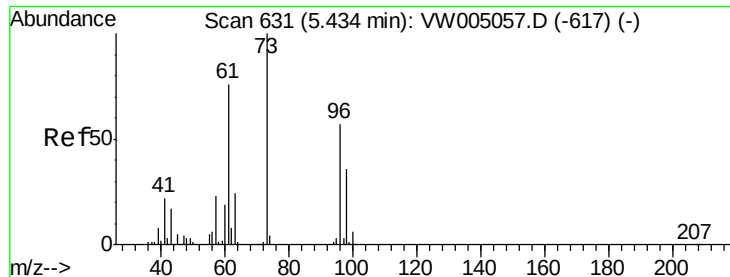
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#20
Methylene Chloride
Concen: 18.56 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.5	88.7	133.1
51	34.3	28.6	42.8
86	65.1	49.4	74.2





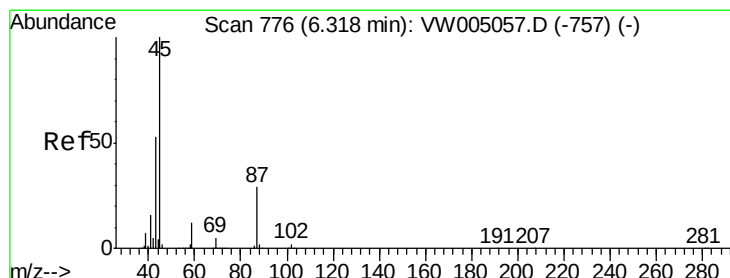
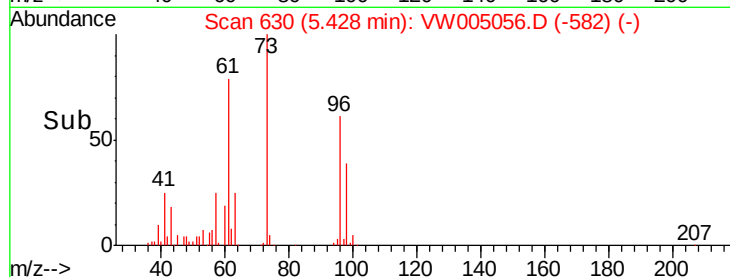
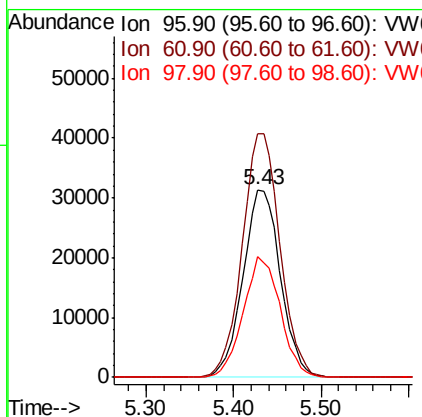
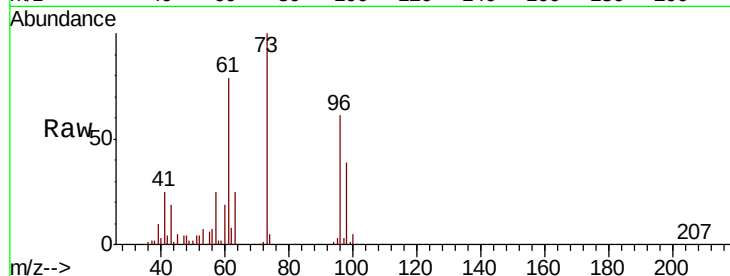
#21
trans-1,2-Dichloroethene
Concen: 22.54 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.9	106.3	159.5
98	64.2	50.9	76.3

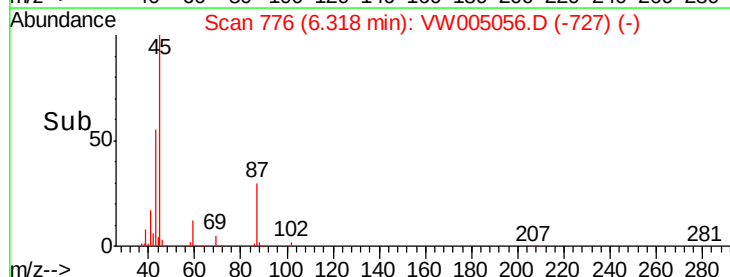
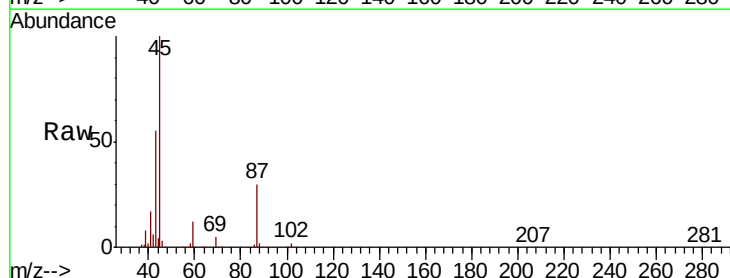
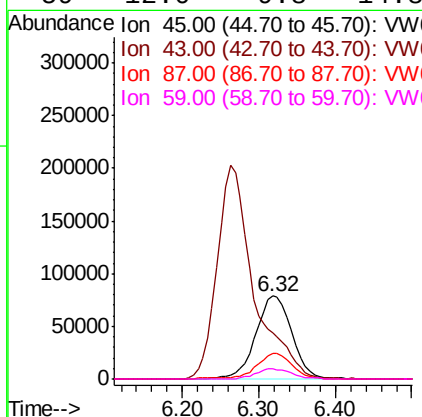
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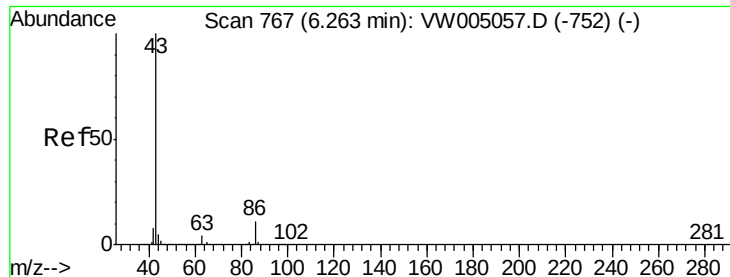
apatel
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#22
Diisopropyl ether
Concen: 21.91 ug/l
RT: 6.32 min Scan# 776
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.6	63.8
87	30.2	23.6	35.4
59	12.0	9.8	14.8





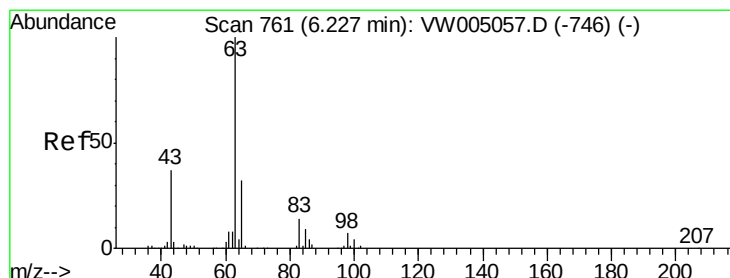
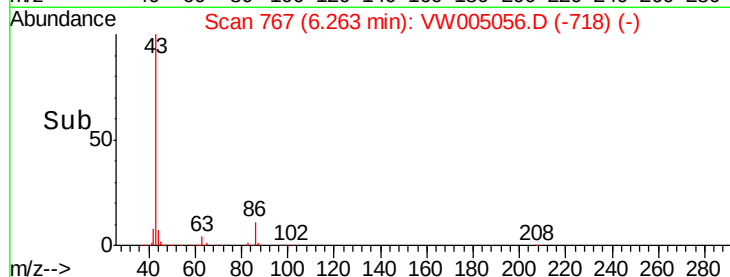
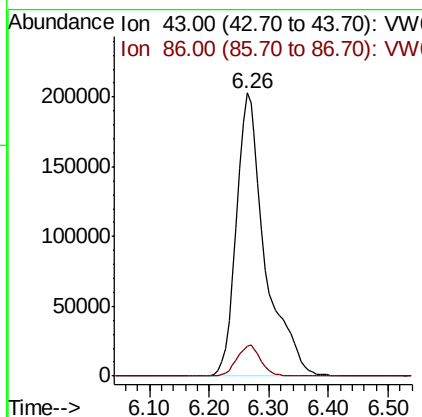
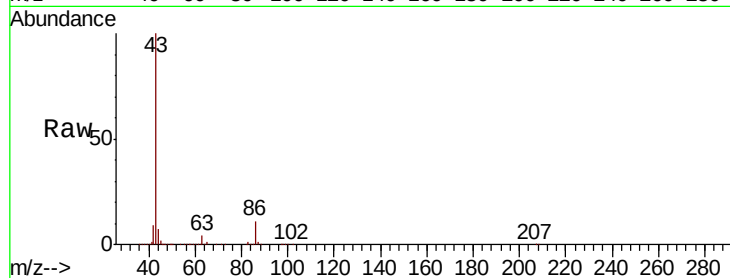
#23
 Vinyl Acetate
 Concen: 111.38 ug/l
 RT: 6.26 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	9.0	13.4

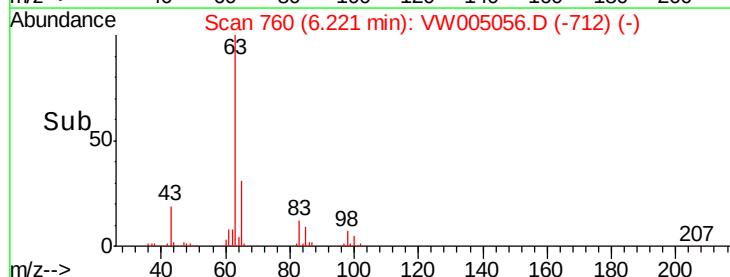
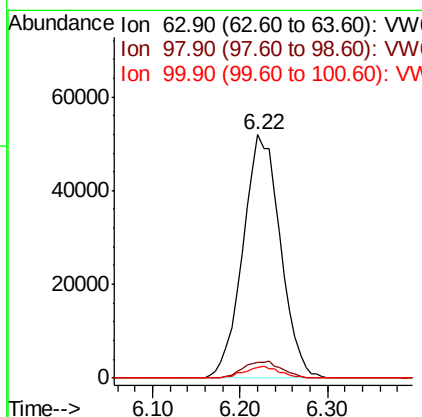
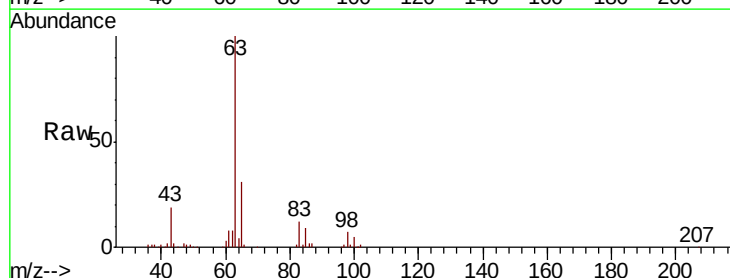
Manual Integrations
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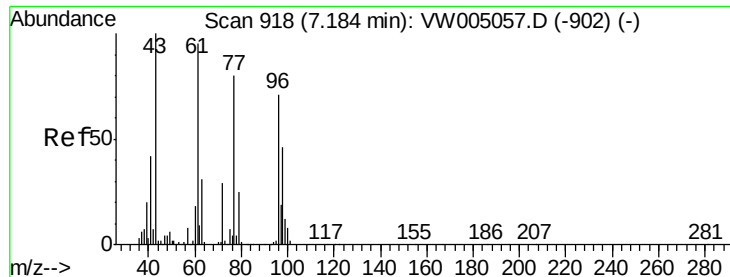
apatel
 9/4/2018 9:36:56 AM



#24
 1,1-Dichloroethane
 Concen: 21.61 ug/l
 RT: 6.22 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.6	10.8
100	4.6	2.2	6.6





#25

2-Butanone

Concen: 109.53 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 136029

Ion Ratio Lower Upper

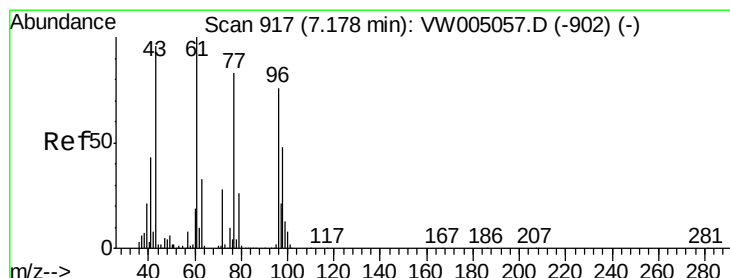
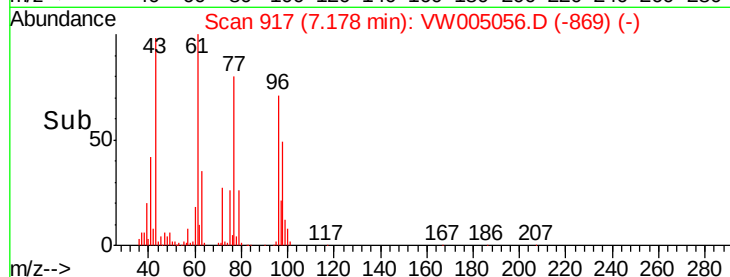
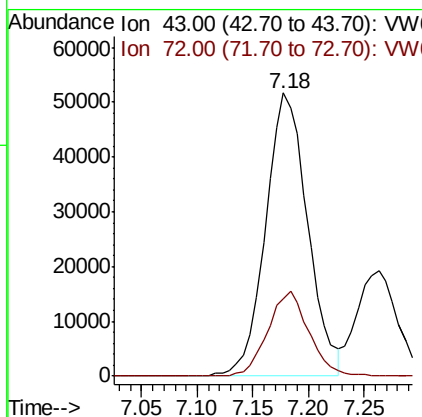
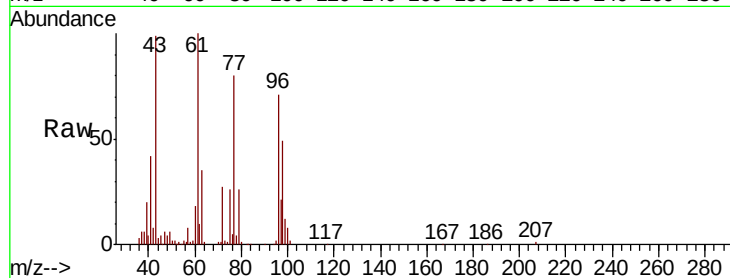
43 100

72 27.3 23.1 34.7

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#26

2,2-Dichloropropane

Concen: 20.31 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005056.D

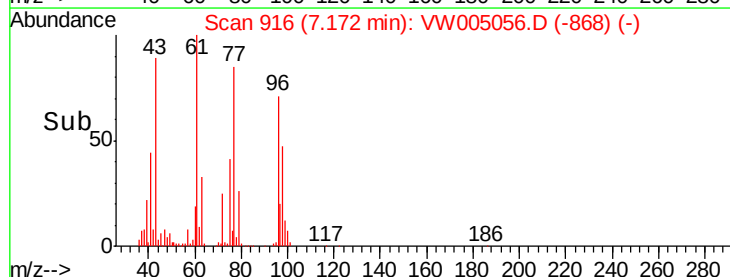
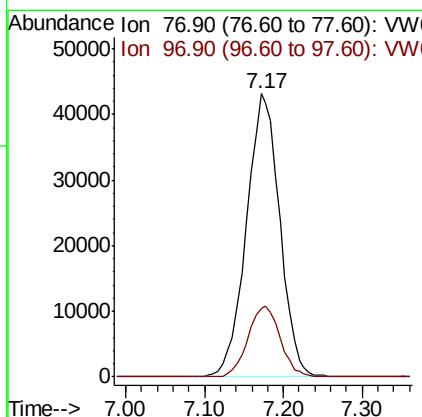
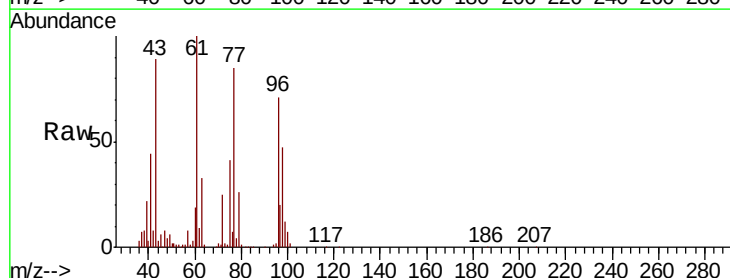
Acq: 01 Sep 2018 00:39

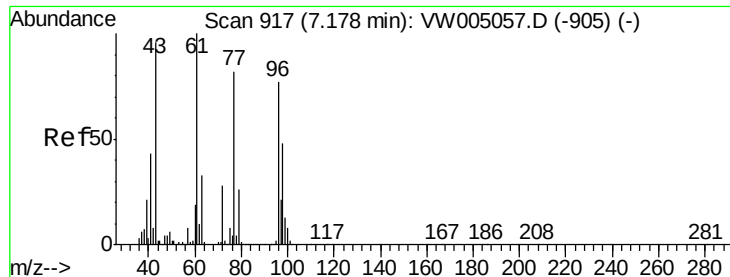
Tgt Ion: 77 Resp: 126567

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

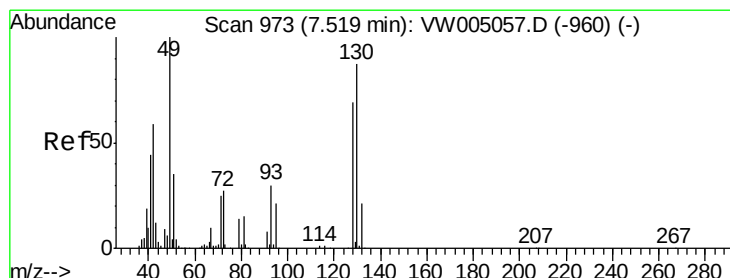
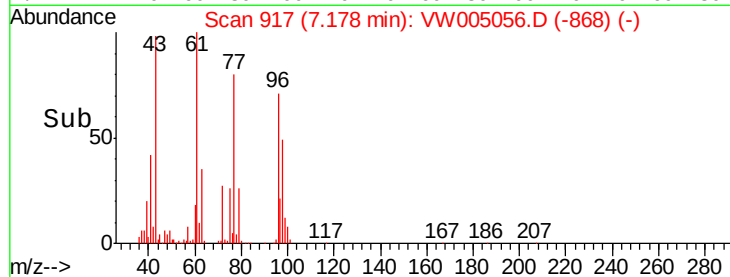
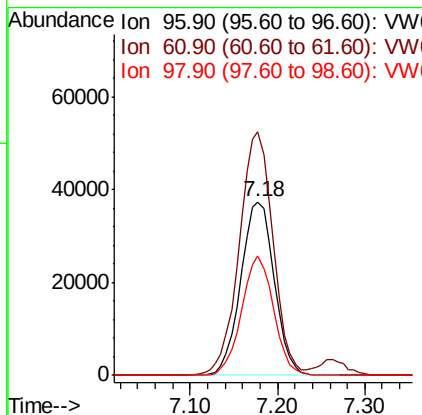
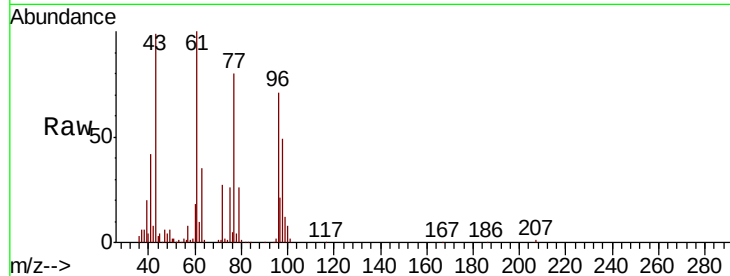
cis-1,2-Dichloroethene
 Concen: 22.04 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.2	0.0	273.2
98	65.2	0.0	127.8

Manual Integrations
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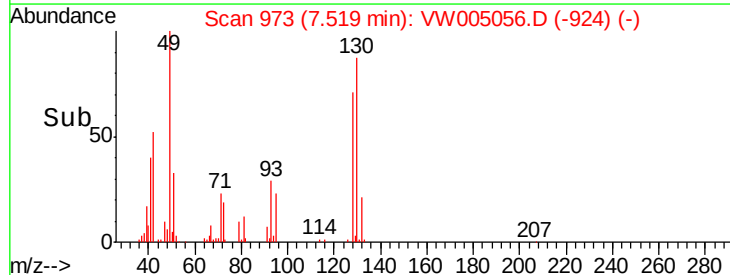
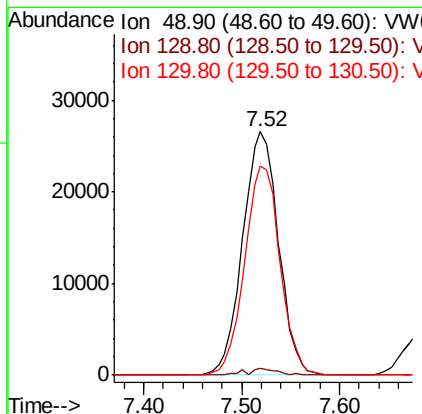
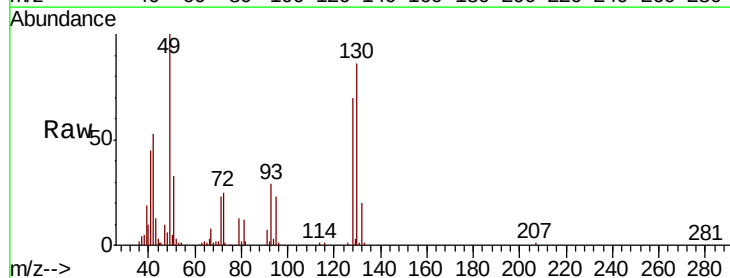
apatel
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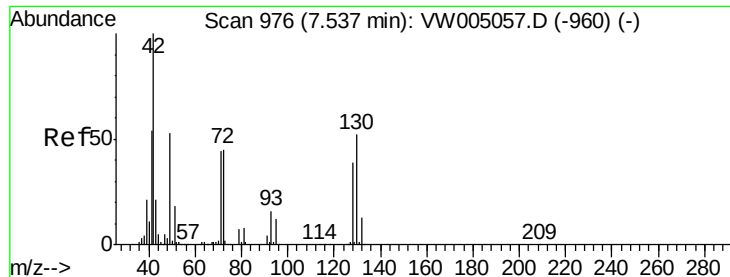


#28

Bromochloromethane
 Concen: 21.88 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	85.0	69.6	104.4





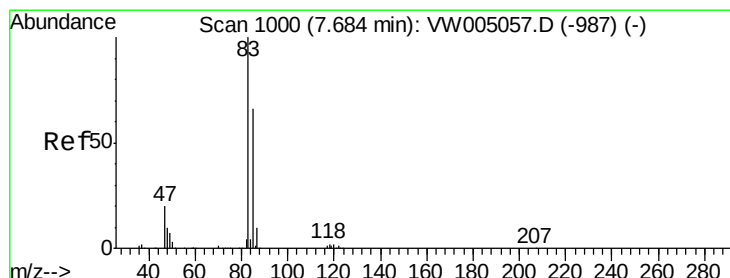
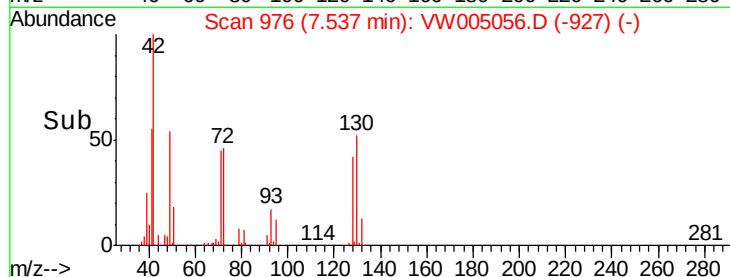
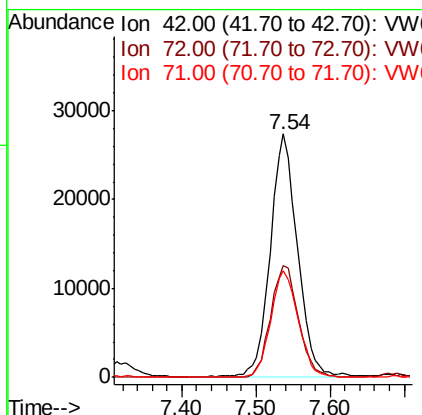
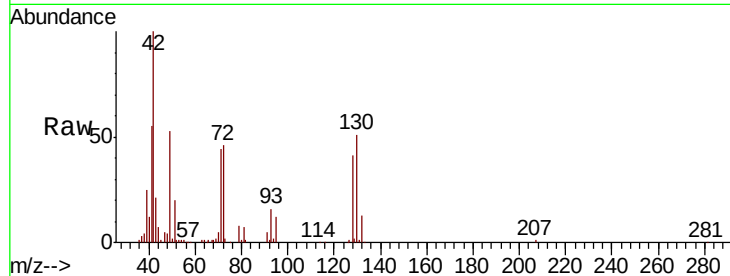
#29
Tetrahydrofuran
Concen: 109.91 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.0	37.0	55.4
71	44.1	35.0	52.6

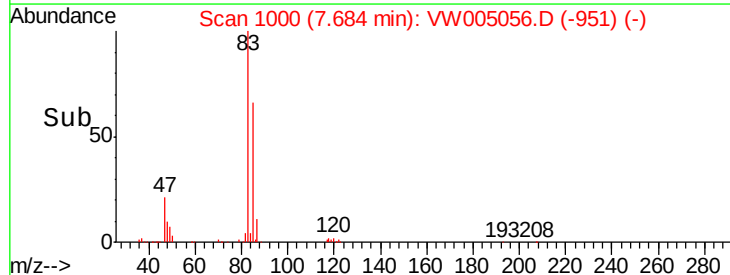
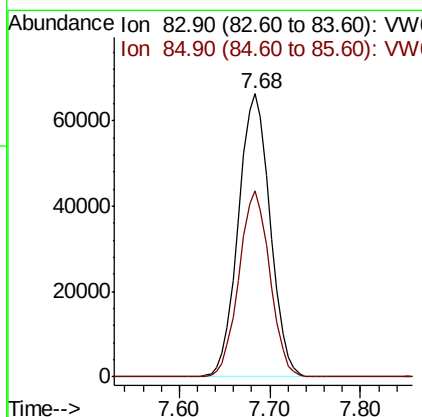
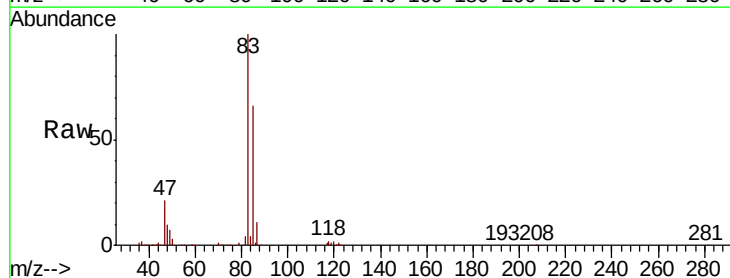
Manual Integrations
APPROVED

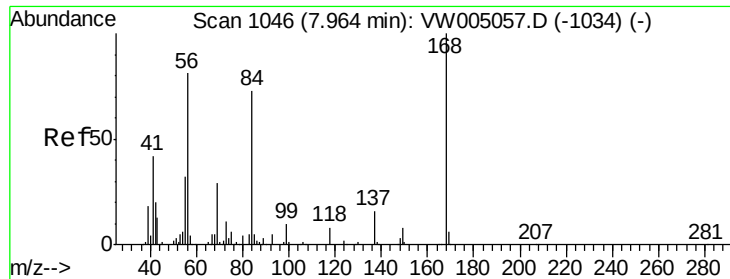
apatel
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#30
Chloroform
Concen: 22.59 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.1	79.7





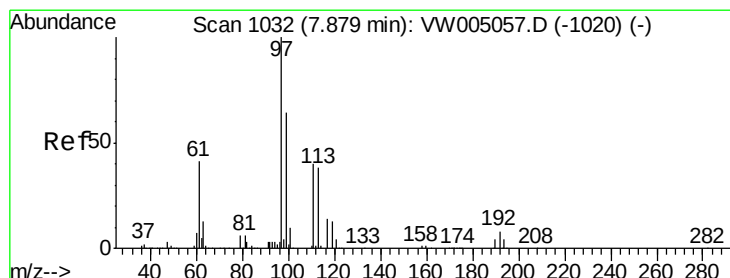
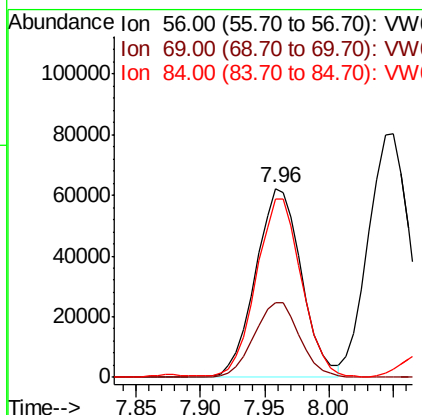
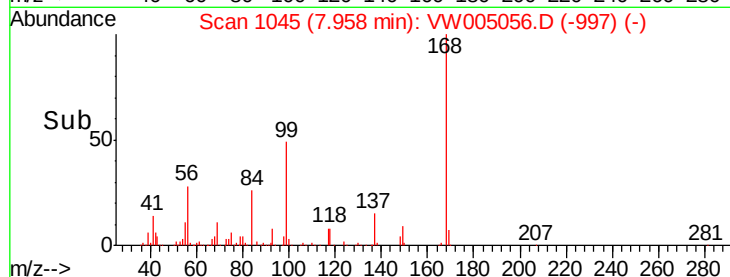
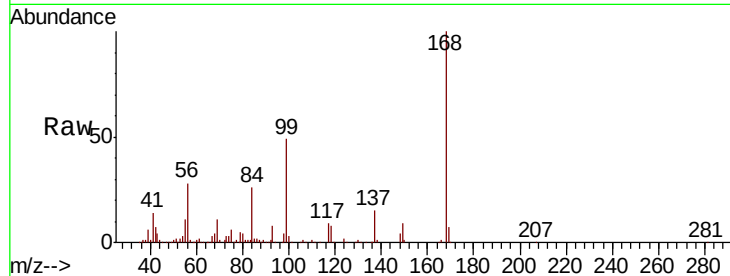
#31
Cyclohexane
Concen: 20.65 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.5	28.2	42.2
84	93.5	71.8	107.8

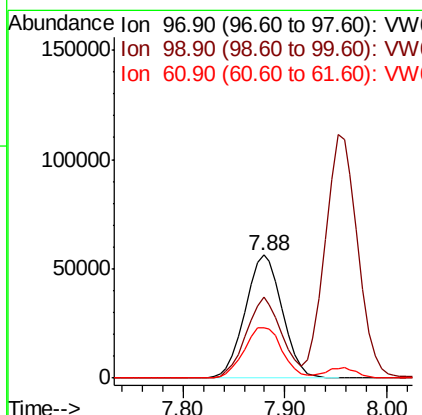
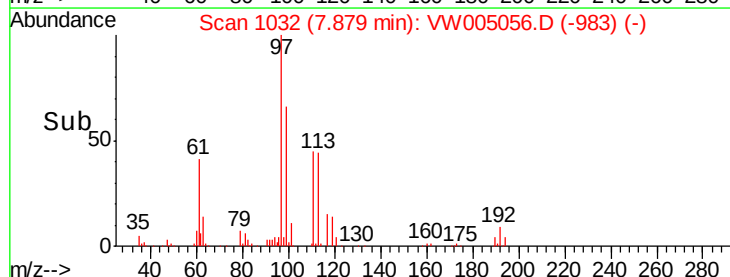
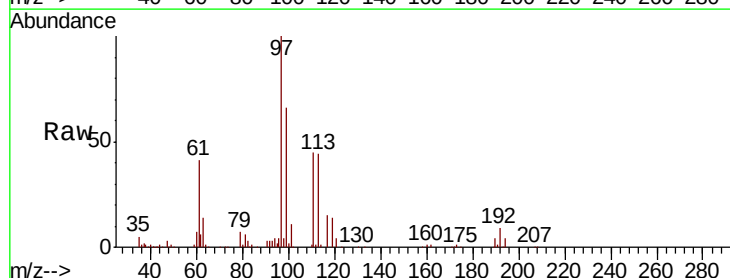
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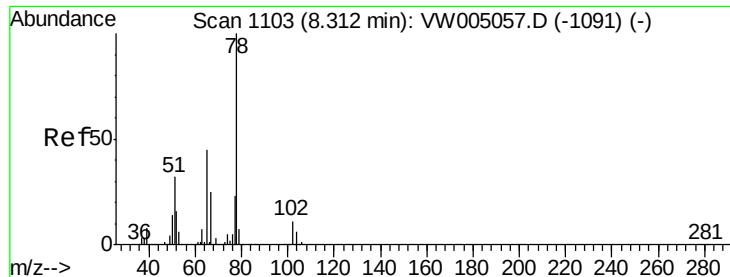
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#32
1,1,1-Trichloroethane
Concen: 21.97 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	51.8	77.8
61	42.1	33.2	49.8





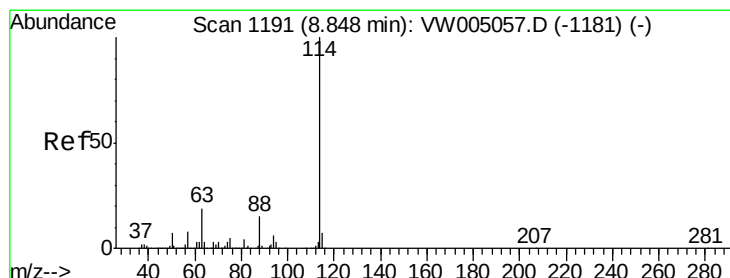
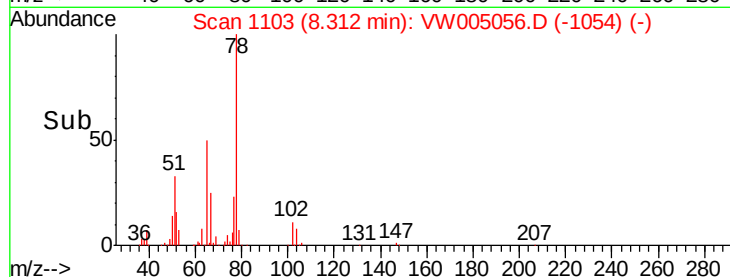
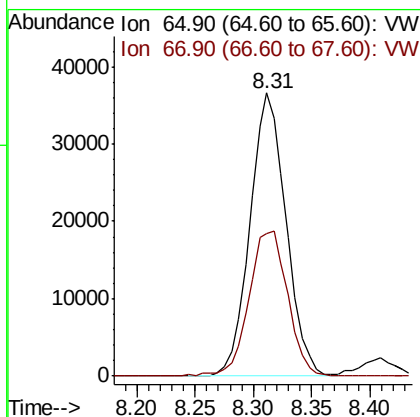
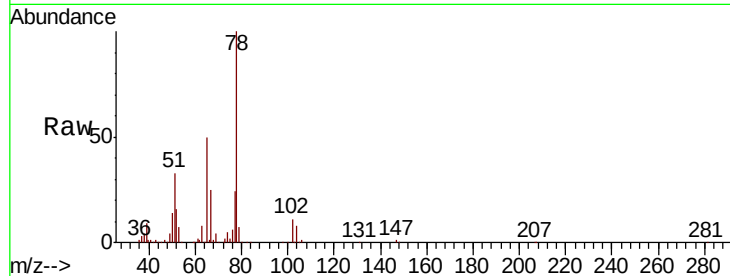
#33
 1,2-Dichloroethane-d4
 Concen: 22.39 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	109.4

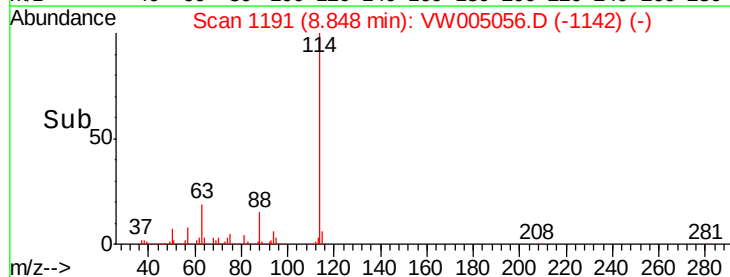
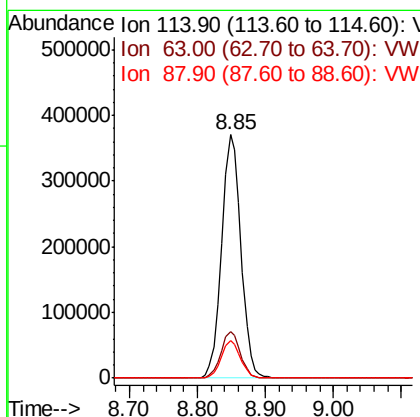
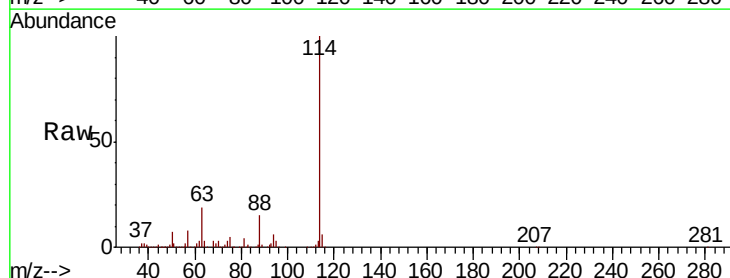
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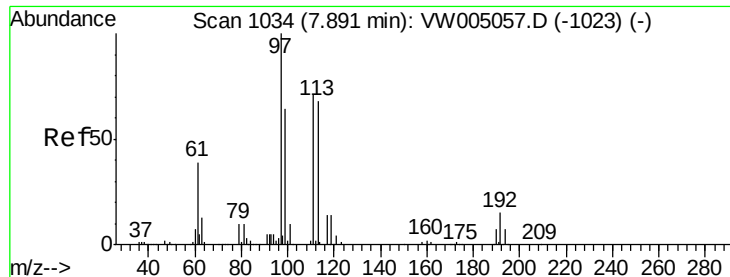
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.0
88	15.4	0.0	30.2





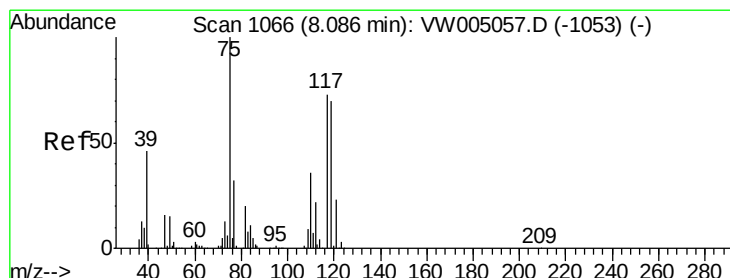
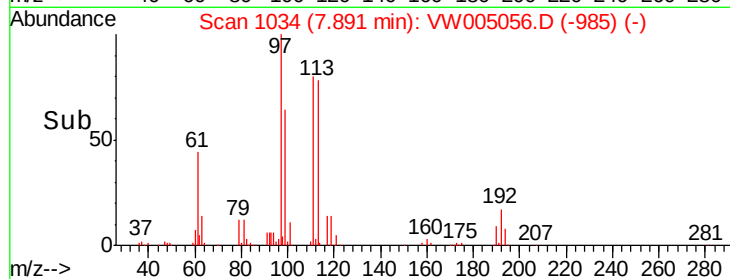
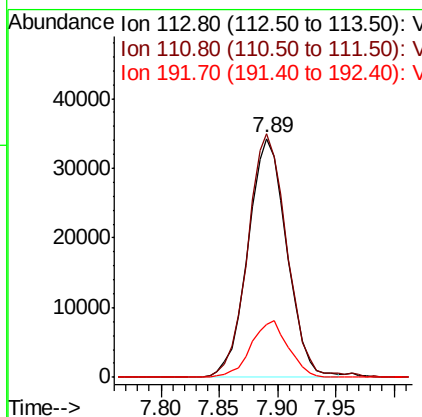
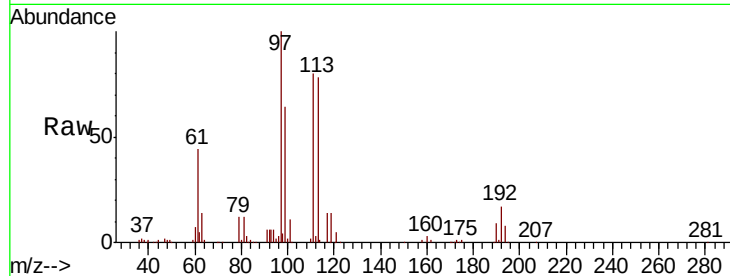
#35
 Dibromofluoromethane
 Concen: 21.39 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.2	123.2
192	22.9	18.1	27.1

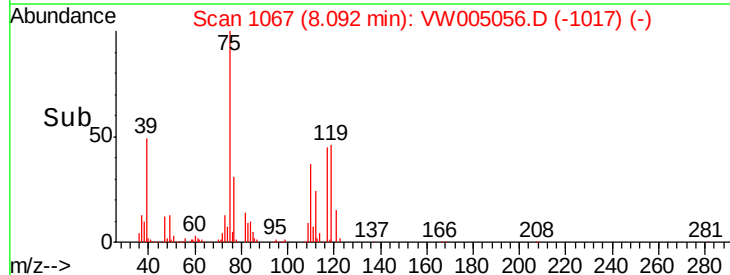
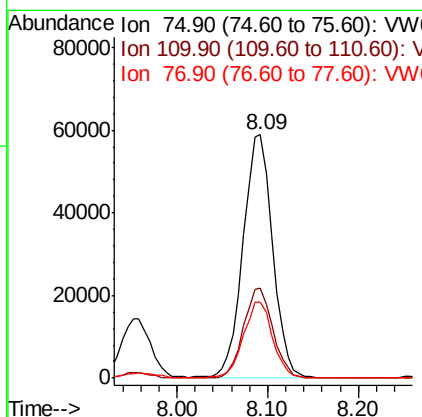
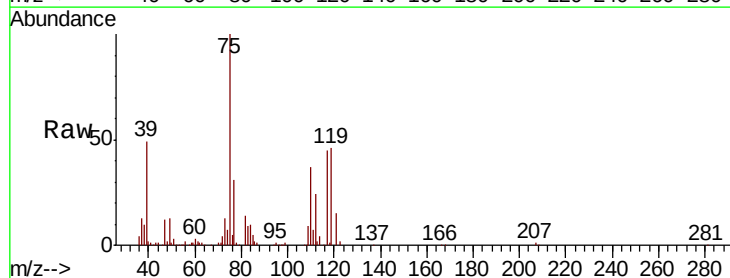
Manual Integrations
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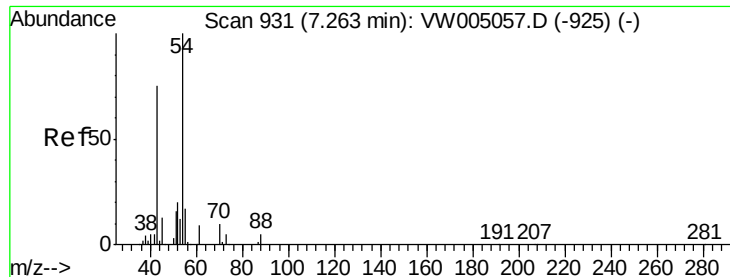
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#36
 1,1-Dichloropropene
 Concen: 21.19 ug/l
 RT: 8.09 min Scan# 1067
 Delta R.T. 0.01 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.8	18.9	56.7
77	31.3	25.5	38.3





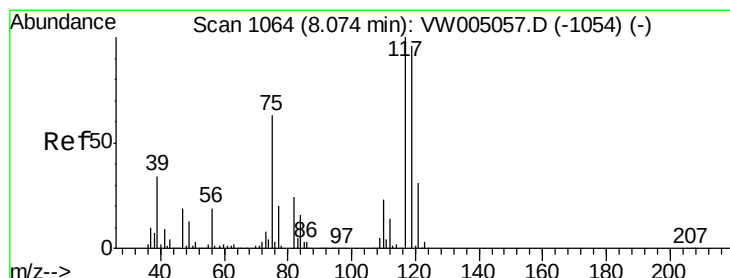
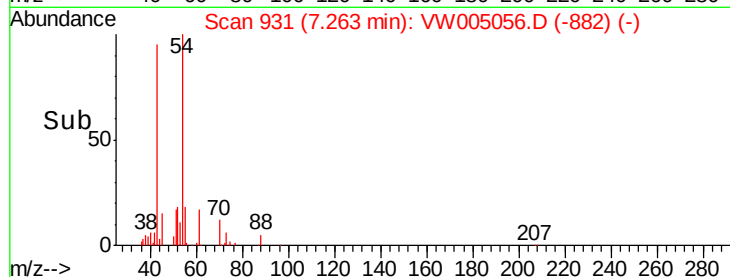
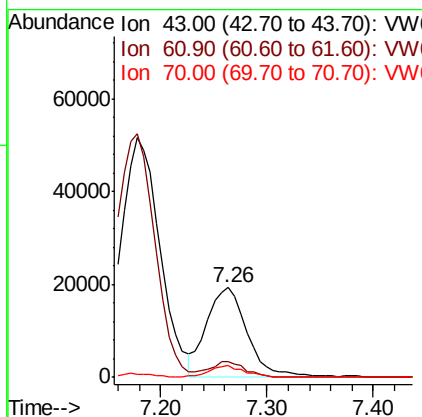
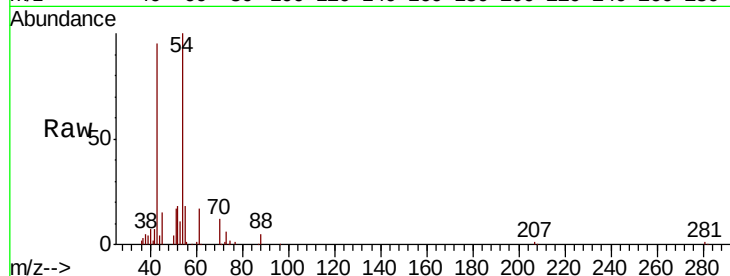
#37
Ethyl Acetate
Concen: 21.93 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.1	18.1
70	12.0	9.4	14.2

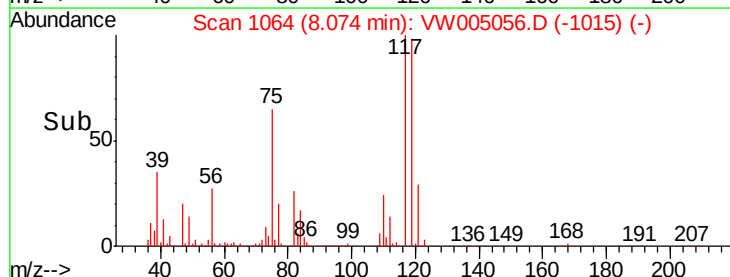
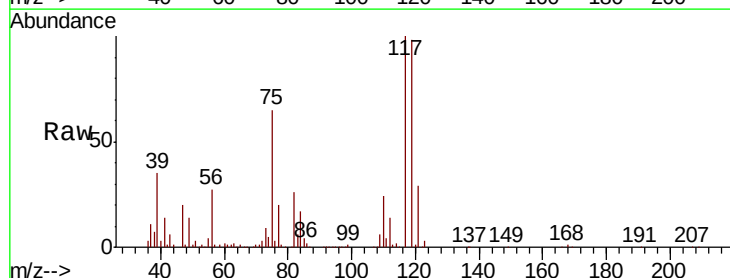
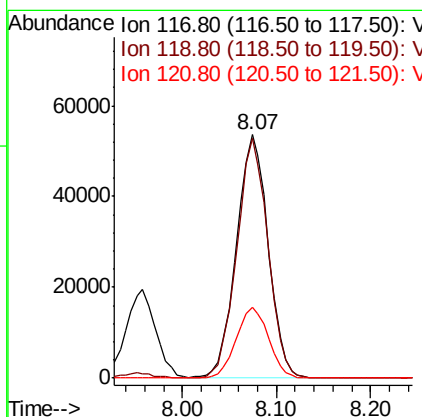
Manual Integrations
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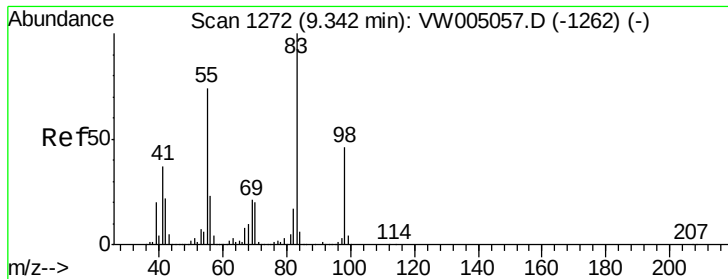
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#38
Carbon Tetrachloride
Concen: 20.71 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	76.6	115.0
121	29.1	24.8	37.2





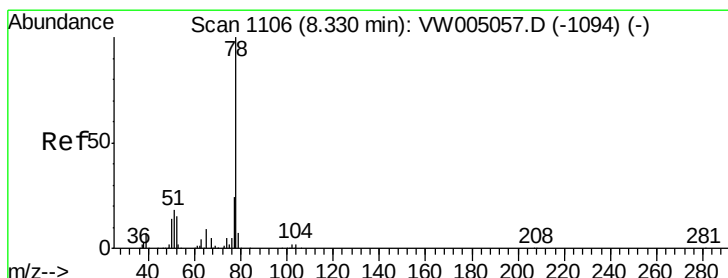
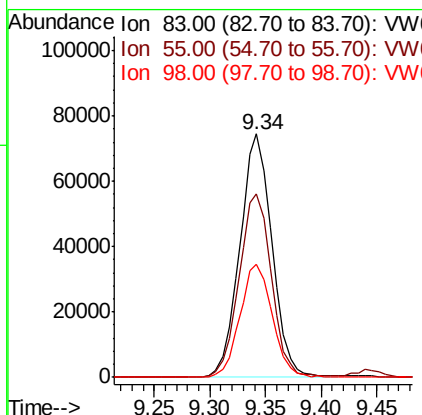
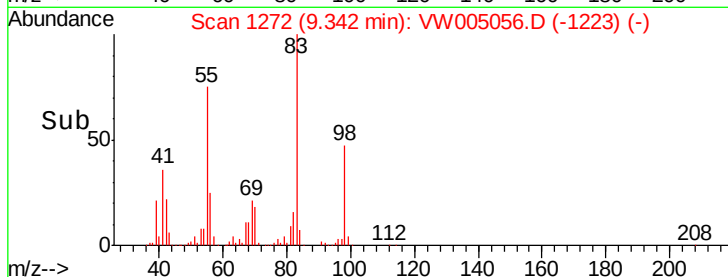
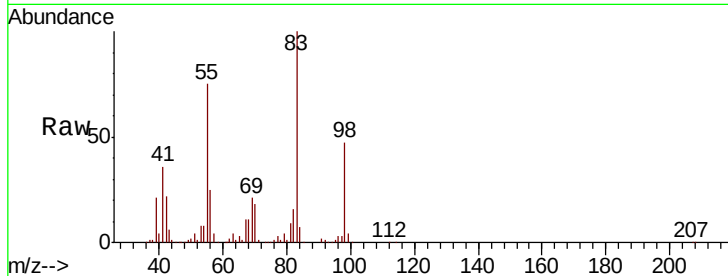
#39
Methylvlcyclohexane
Concen: 17.44 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	149270		
55	75.3		58.9	88.3
98	46.6		36.8	55.2

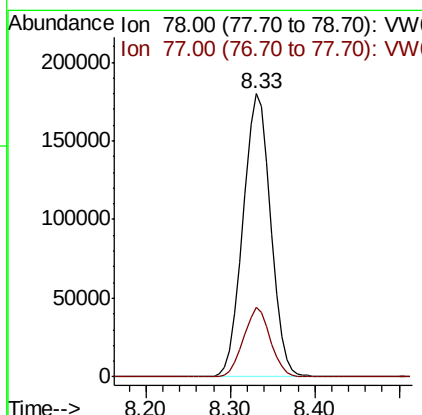
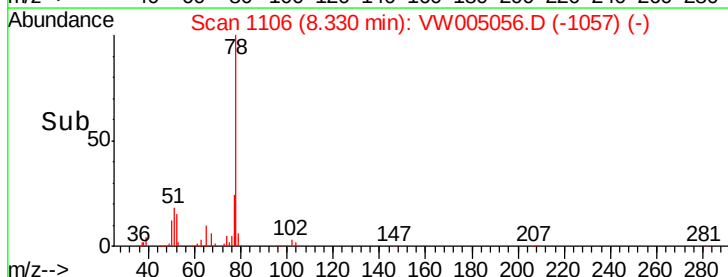
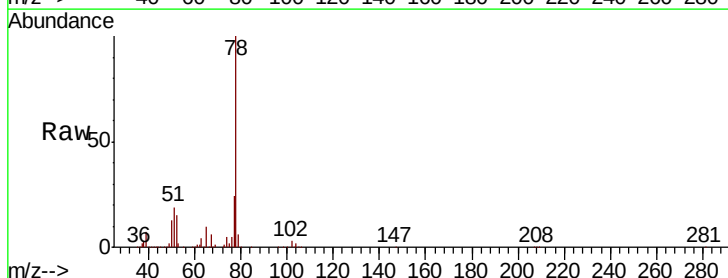
Manual Integrations
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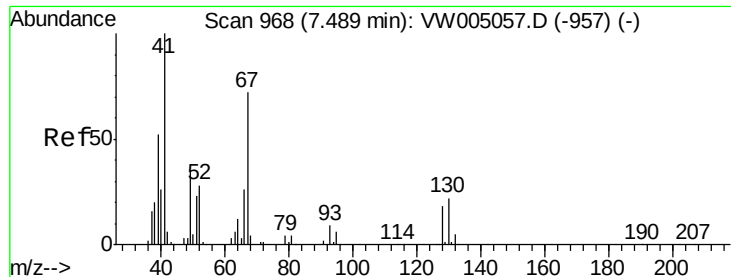
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#40
Benzene
Concen: 19.99 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	399715		
77	24.4		19.4	29.0





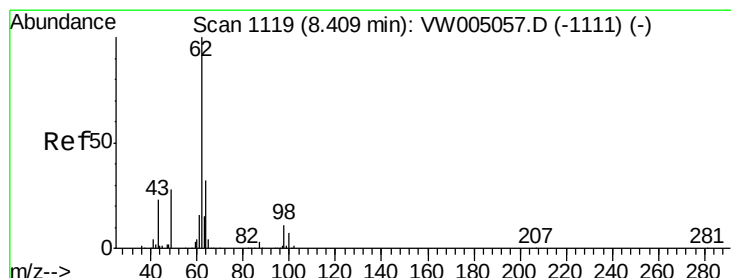
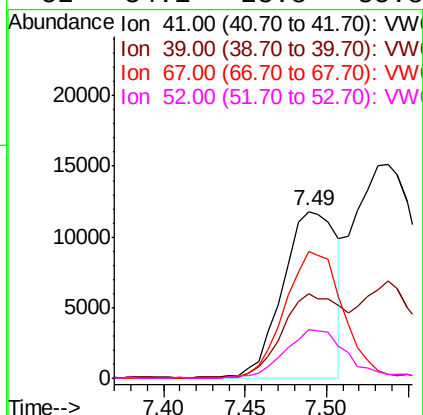
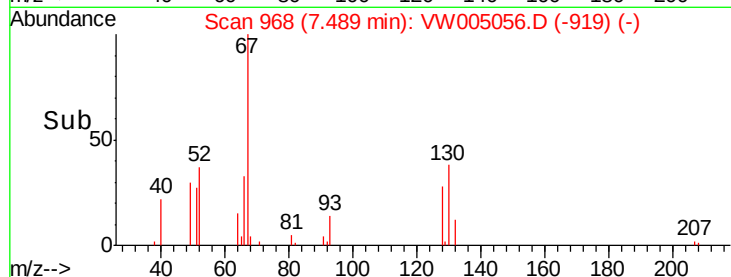
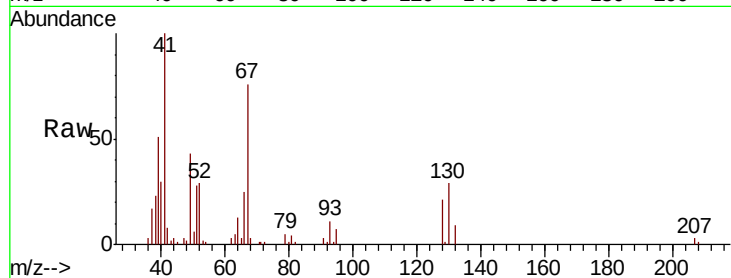
#41
Methacrylonitrile
Concen: 20.12 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.3	41.8	62.8
67	82.5	60.4	90.6
52	34.1	23.8	35.8

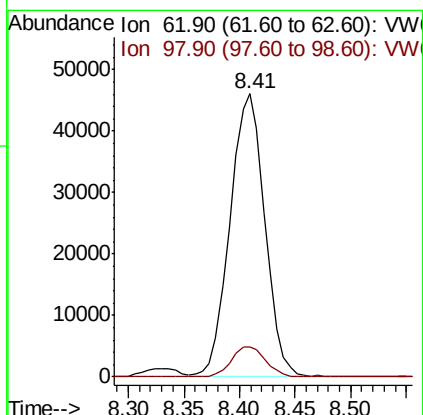
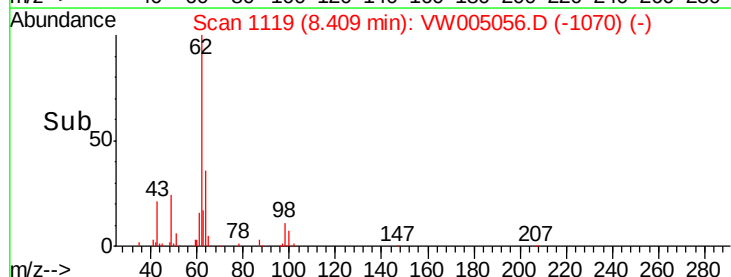
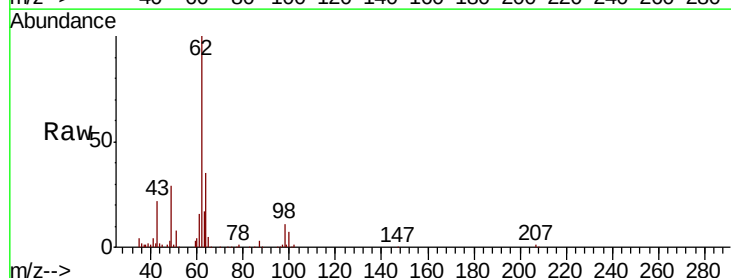
Manual Integrations
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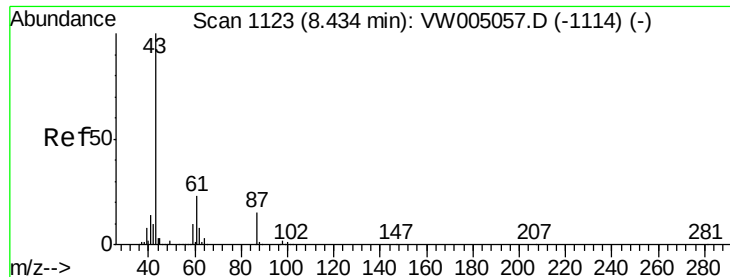
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#42
1,2-Dichloroethane
Concen: 21.97 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.8





#43

Isopropyl Acetate

Concen: 19.47 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

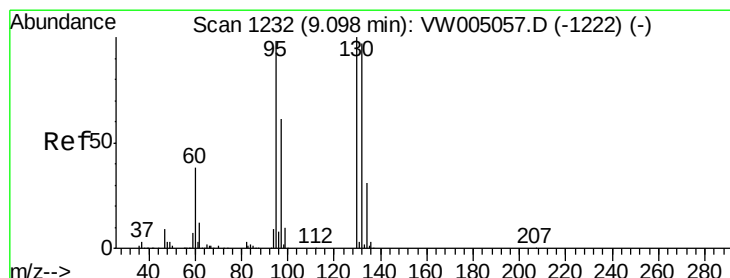
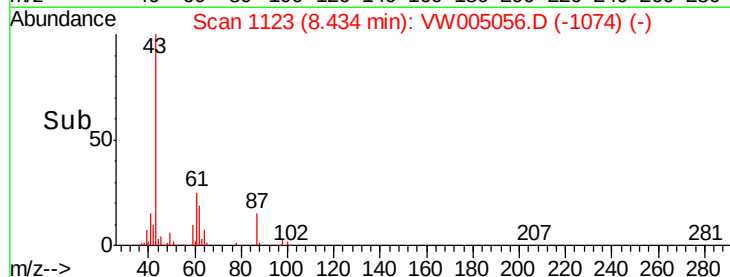
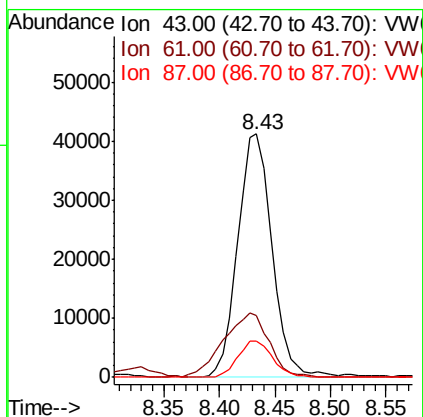
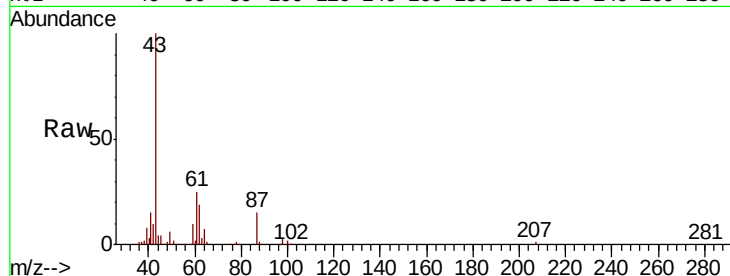
ClientSampled :

VSTDIC020

Tot Ion:	43	Resp:	87446
Ion	Ratio	Lower	Upper
43	100		
61	35.4	26.8	40.2
87	15.1	11.6	17.4

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#44

Trichloroethene

Concen: 21.11 ug/l

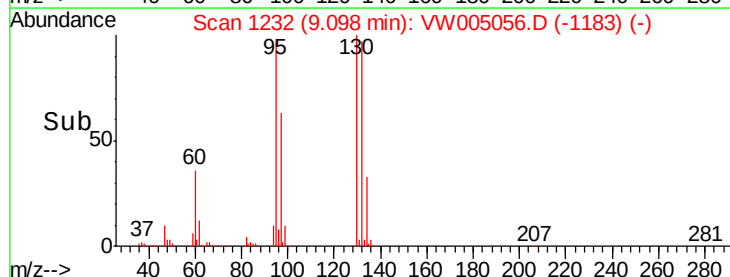
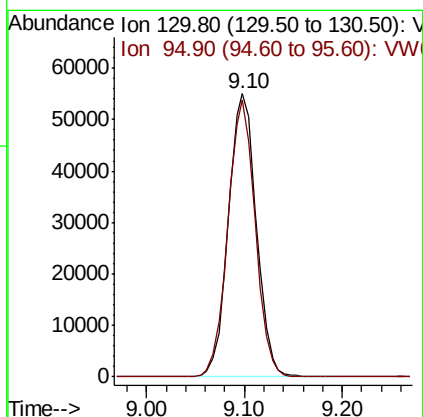
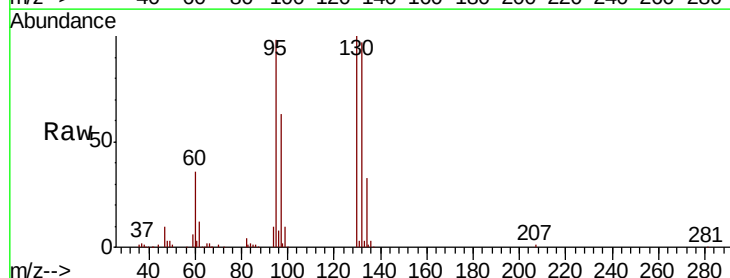
RT: 9.10 min Scan# 1232

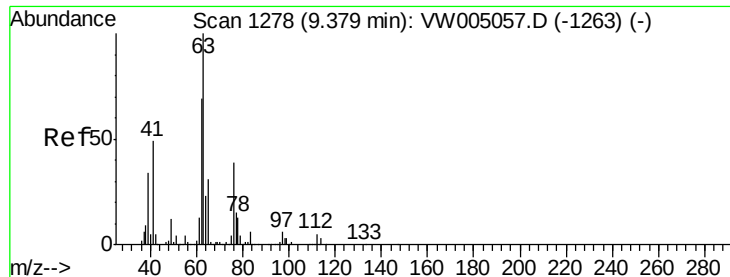
Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tgt Ion:	130	Resp:	108731
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	195.2





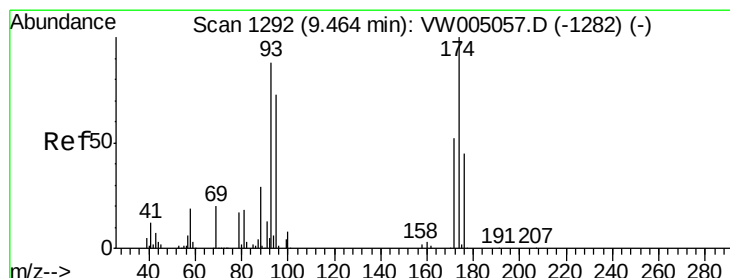
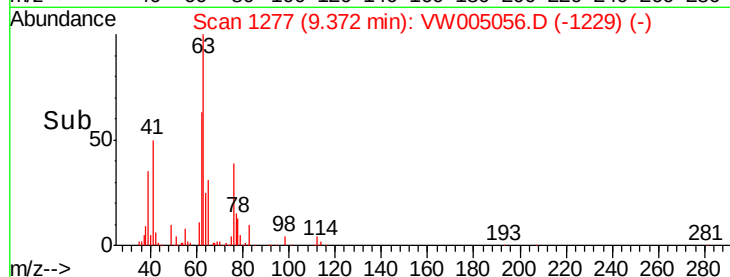
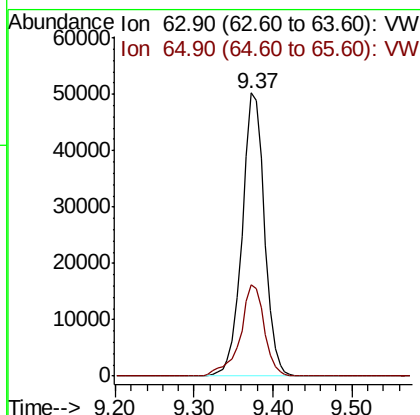
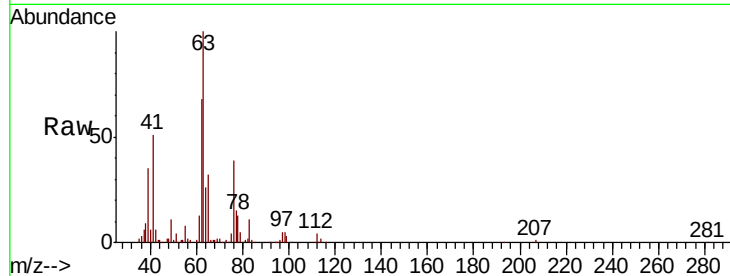
#45
 1,2-Dichloropropane
 Concen: 21.47 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	63	Resp	99030
Ion Ratio	Lower	Upper	
63	100		
65	32.1	24.6	37.0

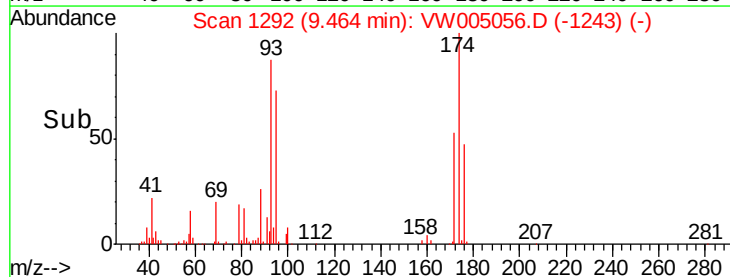
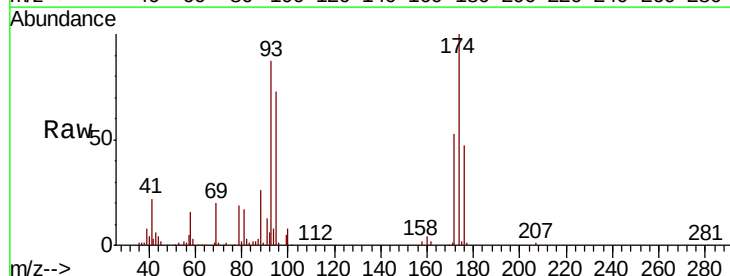
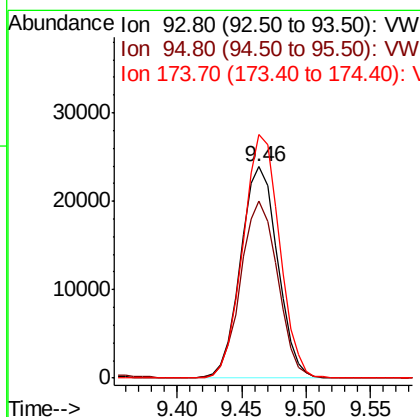
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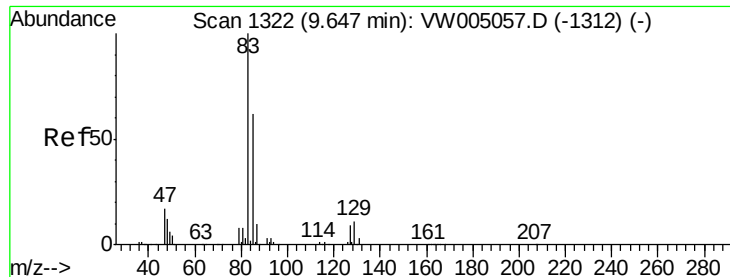
apatel
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#46
 Dibromomethane
 Concen: 21.56 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	93	Resp	47591
Ion Ratio	Lower	Upper	
93	100		
95	83.5	66.2	99.4
174	113.7	92.0	138.0





#47

Bromodichloromethane

Concen: 22.12 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

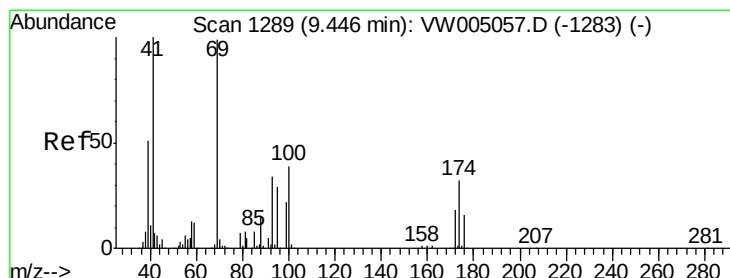
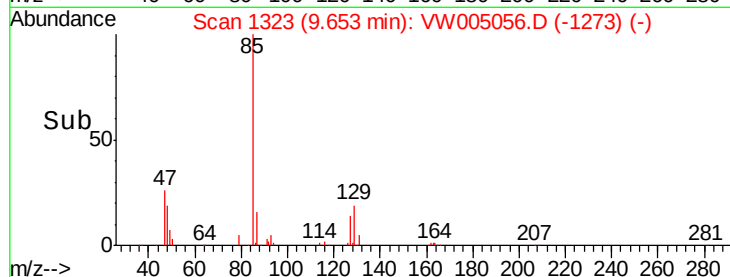
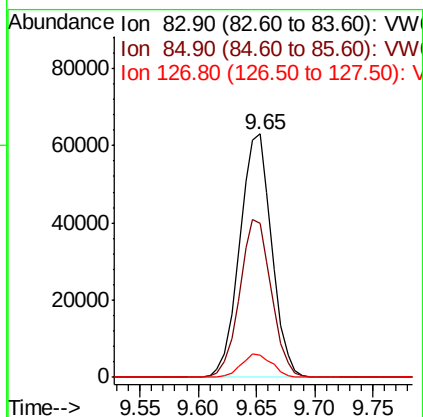
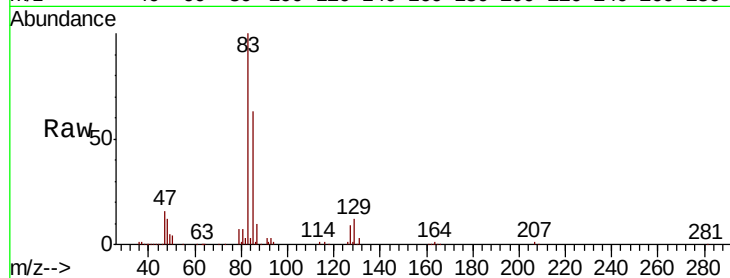
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	120835
Ion Ratio	Lower	Upper	
83	100		
85	63.4	49.8	74.6
127	9.2	7.0	10.4

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#48

Methyl methacrylate

Concen: 17.48 ug/l

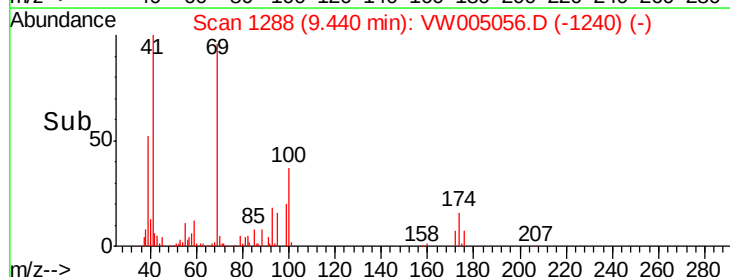
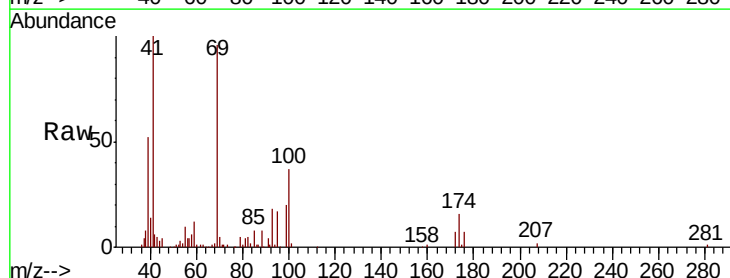
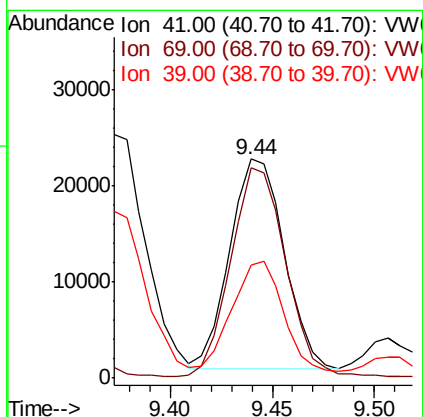
RT: 9.44 min Scan# 1288

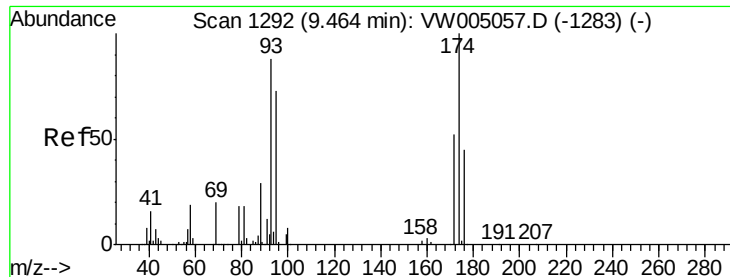
Delta R.T. -0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tgt Ion:	41	Resp:	40725
Ion Ratio	Lower	Upper	
41	100		
69	103.1	80.4	120.6
39	49.5	43.5	65.3





#49

1,4-Dioxane

Concen: 334.47 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

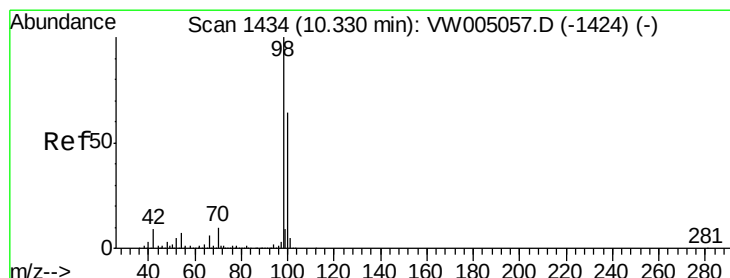
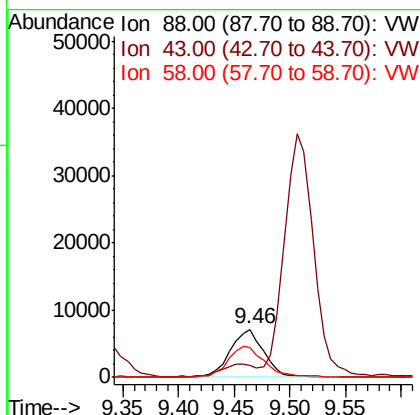
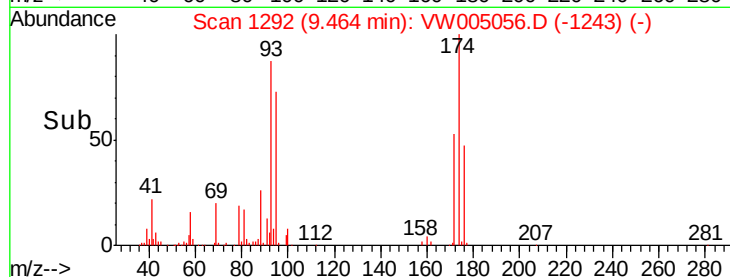
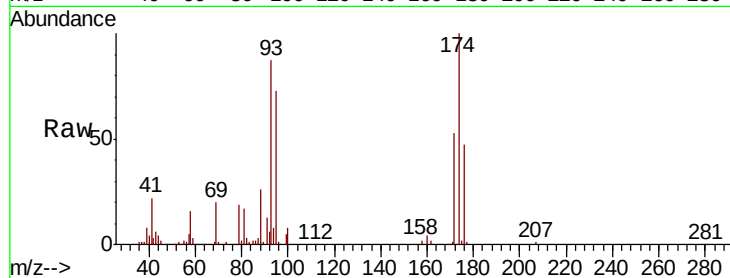
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	14891
Ion	Ratio	Lower	Upper
88	100		
43	26.5	19.8	29.6
58	71.5	57.1	85.7

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#50

Toluene-d8

Concen: 18.01 ug/l

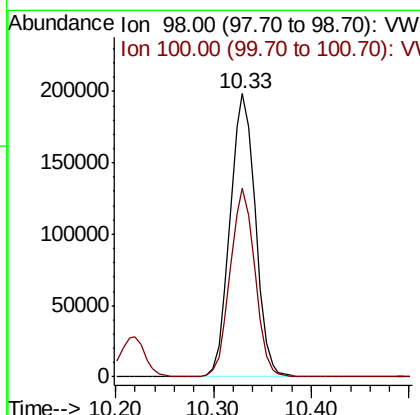
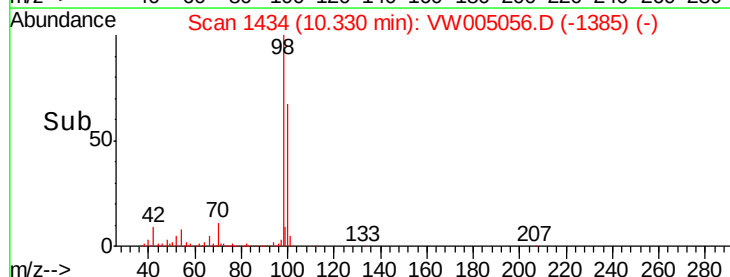
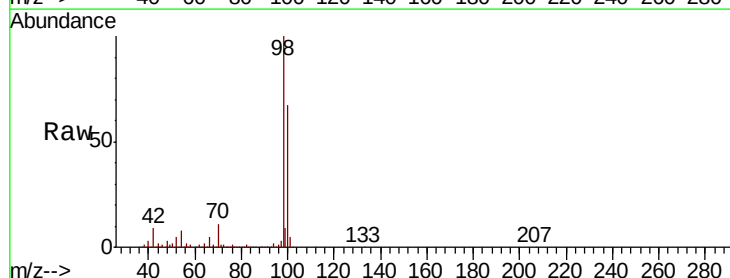
RT: 10.33 min Scan# 1434

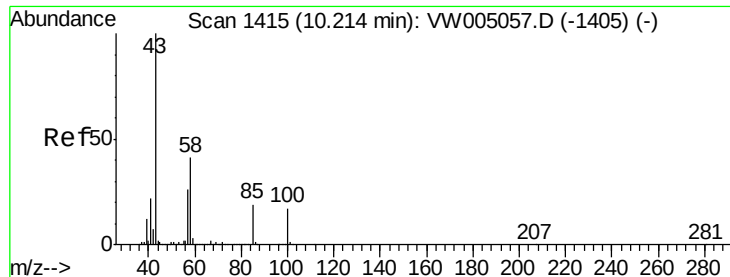
Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tgt Ion:	98	Resp:	357680
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





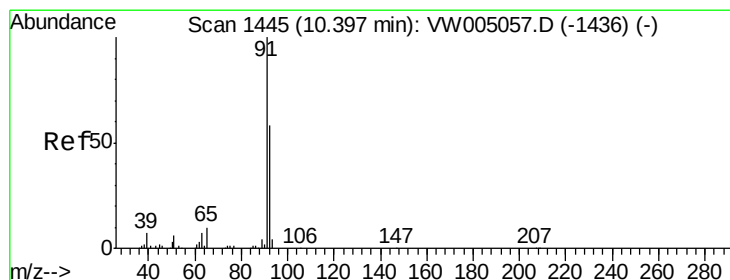
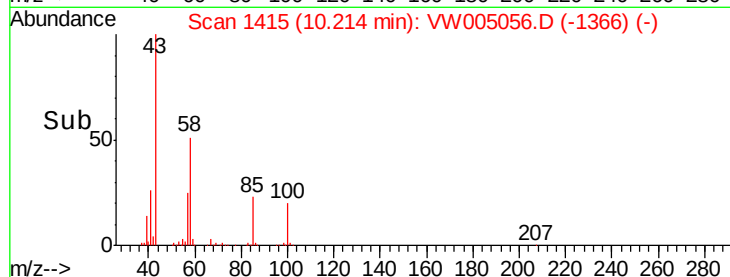
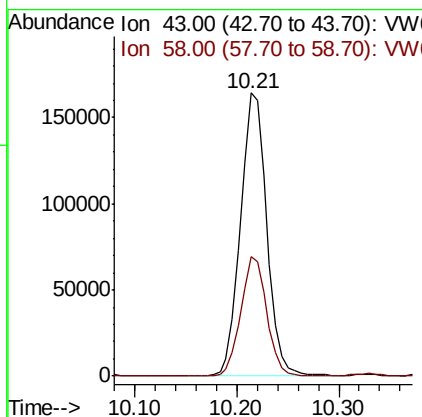
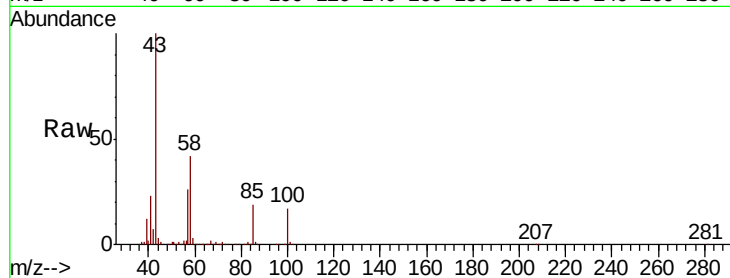
#51
4-Methyl-2-Pentanone
Concen: 88.63 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	294024
Ion Ratio	43	100	
Lower	58	41.6	33.3
Upper			49.9

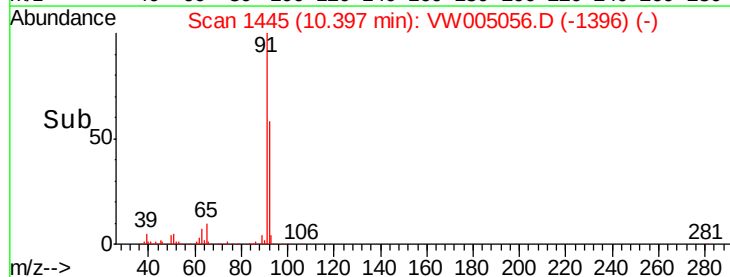
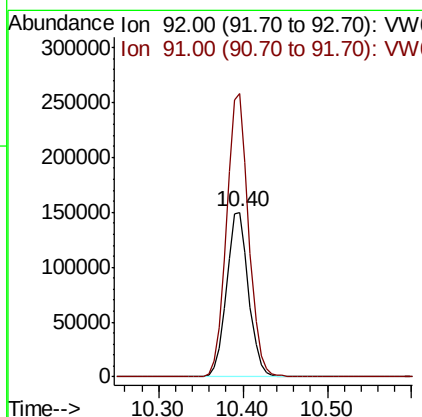
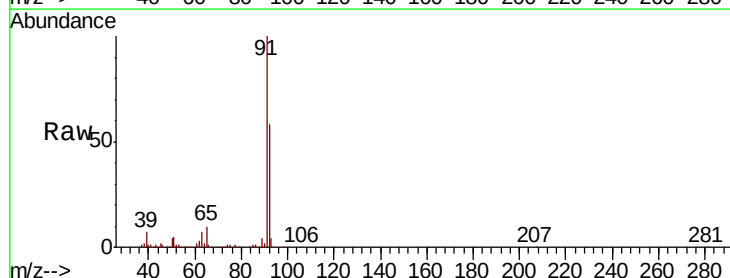
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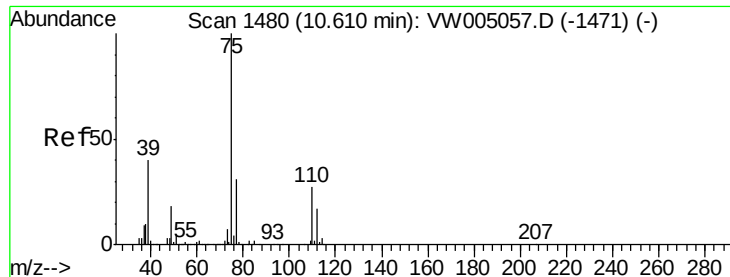
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#52
Toluene
Concen: 18.15 ug/l
RT: 10.40 min Scan# 1445
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	92	Resp	268376
Ion Ratio	92	100	
Lower	91	171.6	139.2
Upper			208.8





#53

t-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 116328

Ion Ratio Lower Upper

75 100

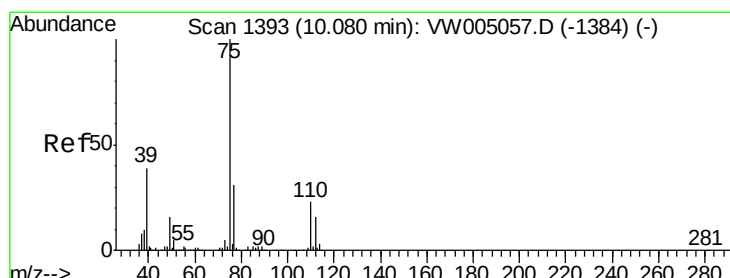
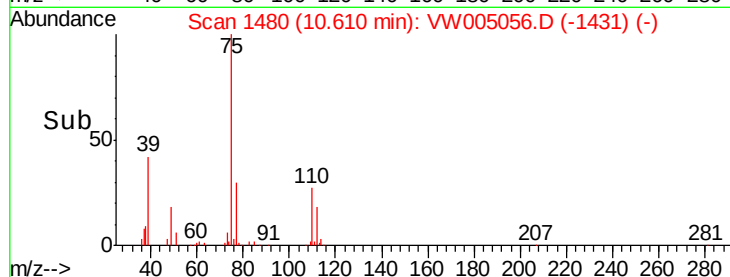
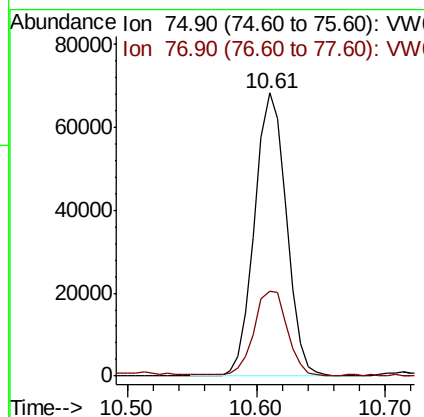
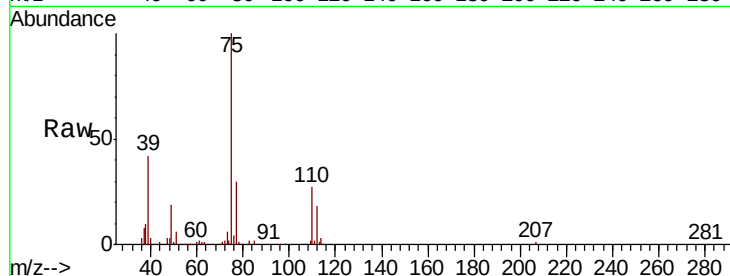
77 29.8 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 21.48 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

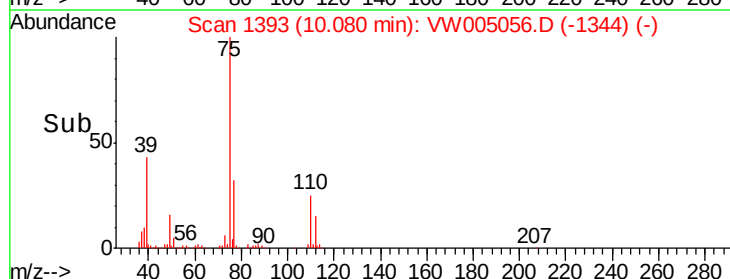
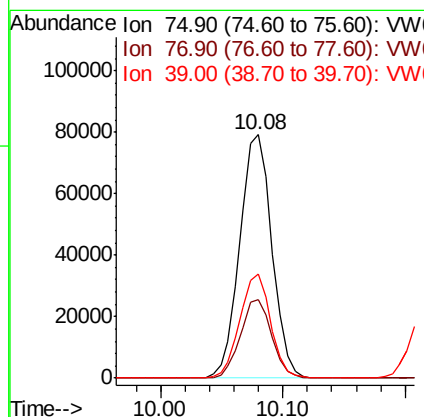
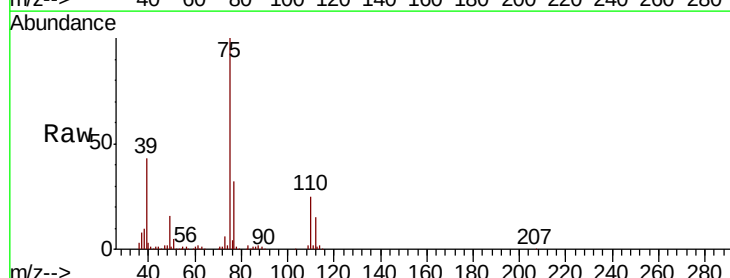
Tgt Ion: 75 Resp: 144285

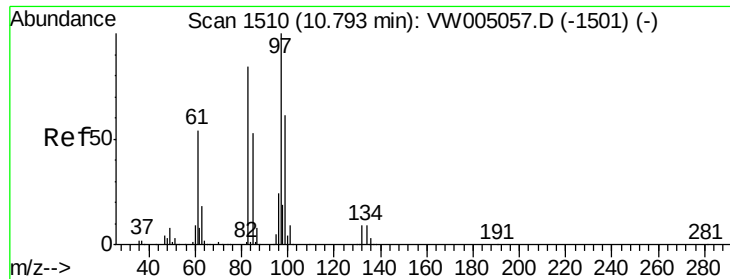
Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3

39 42.4 31.0 46.6





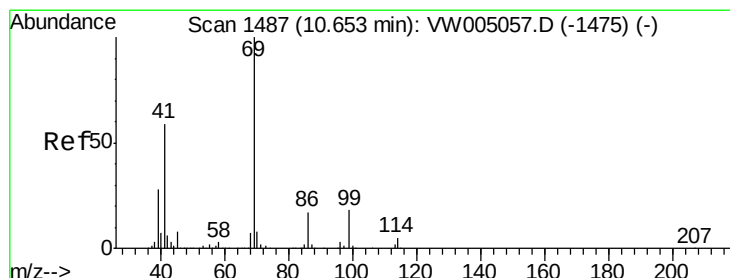
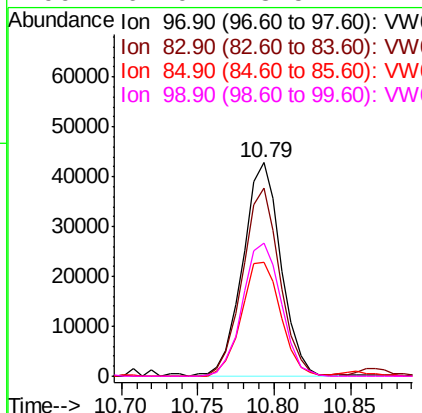
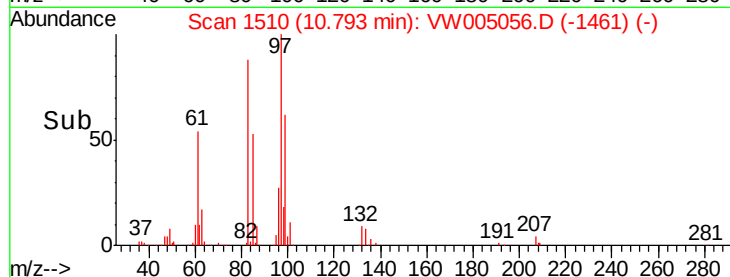
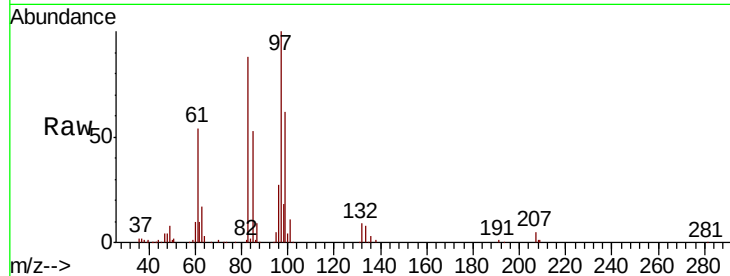
#55
 1,1,2-Trichloroethane
 Concen: 20.81 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	74212
Ion	Ratio	Lower	Upper
97	100		
83	88.0	67.0	100.6
85	53.1	42.3	63.5
99	62.0	48.5	72.7

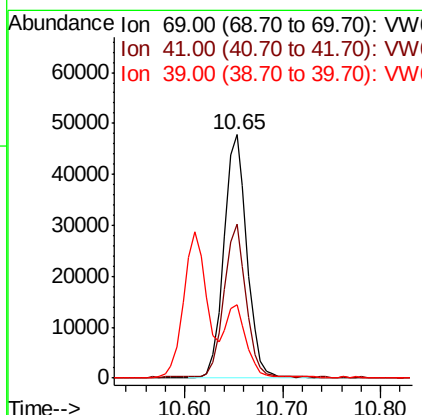
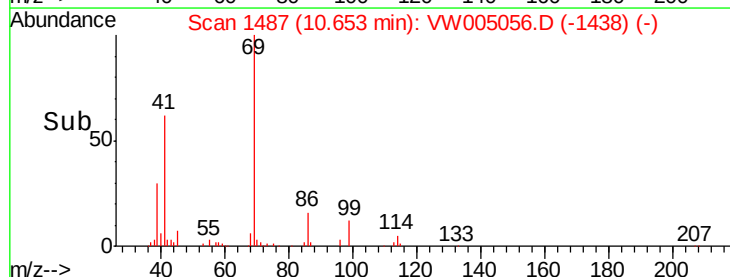
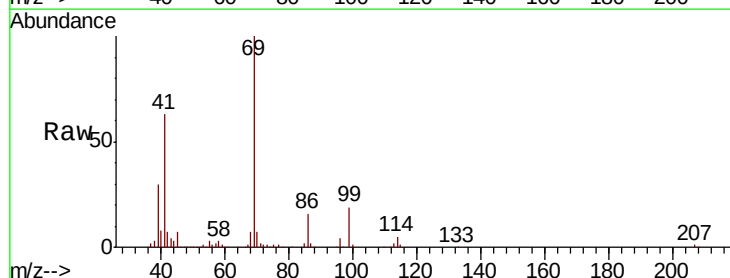
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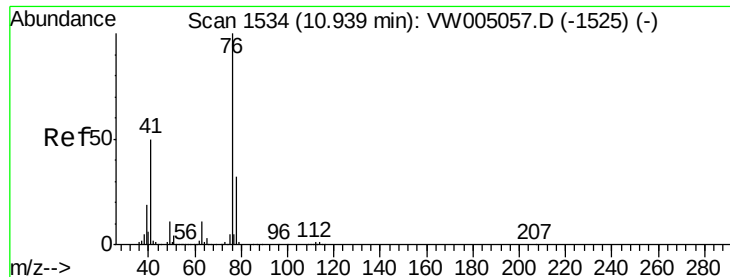
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#56
 Ethyl methacrylate
 Concen: 16.93 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion:	69	Resp:	77889
Ion	Ratio	Lower	Upper
69	100		
41	60.2	47.8	71.6
39	26.6	21.1	31.7





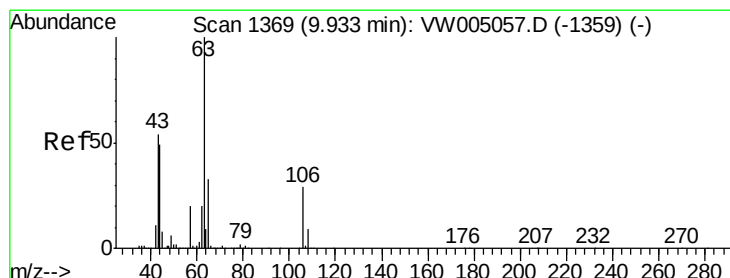
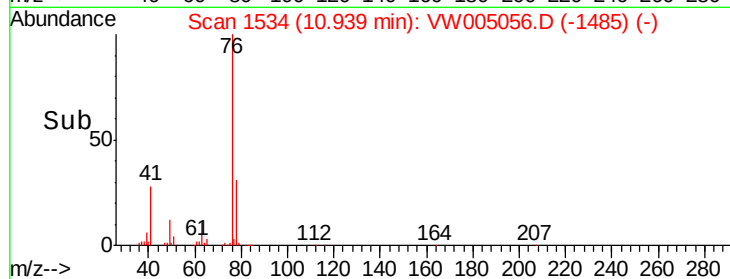
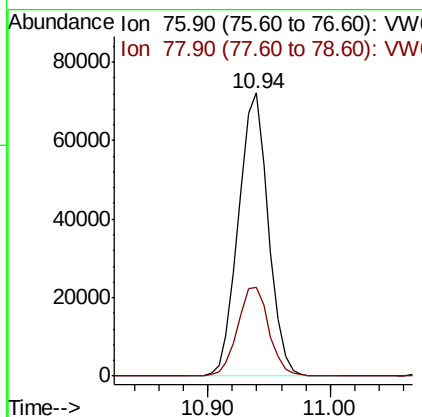
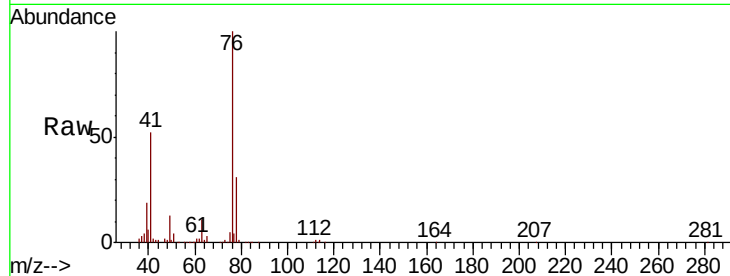
#57
 1,3-Dichloropropane
 Concen: 20.89 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.3	39.5

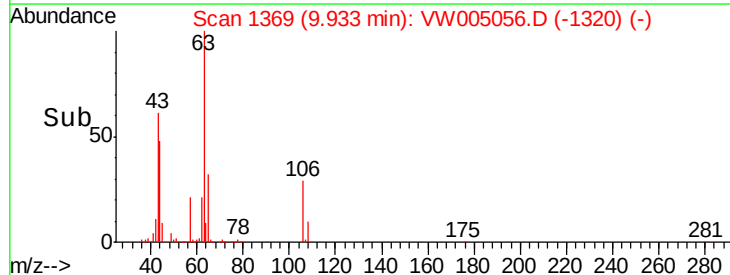
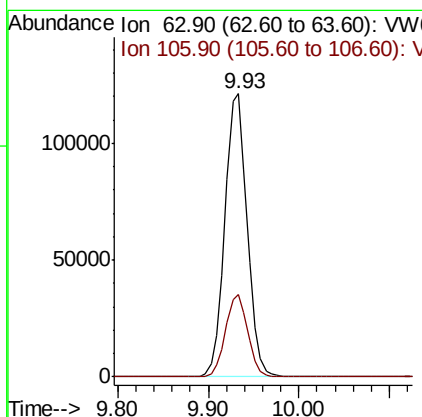
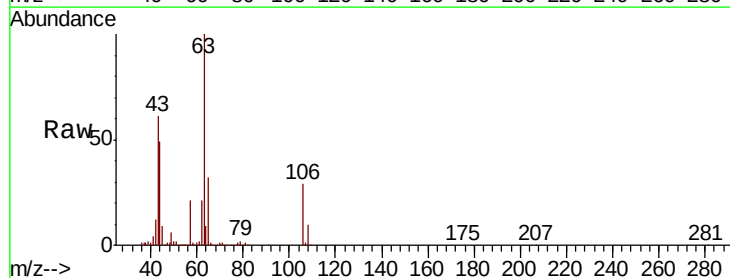
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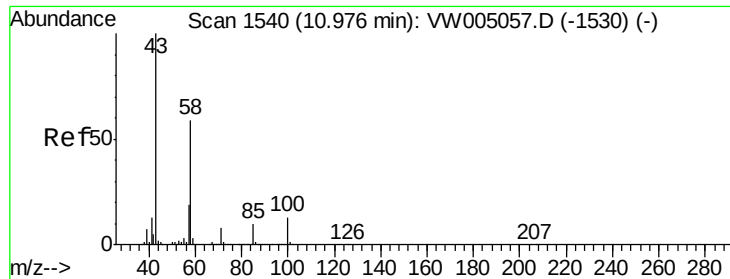
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.34 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	23.1	34.7





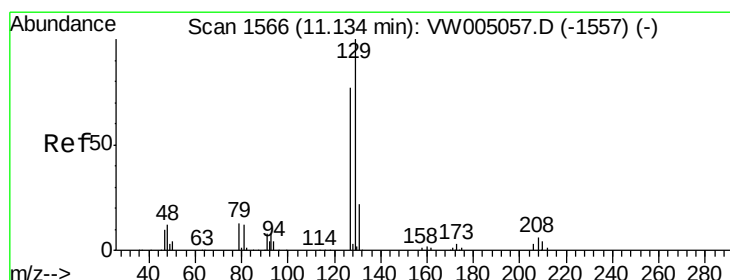
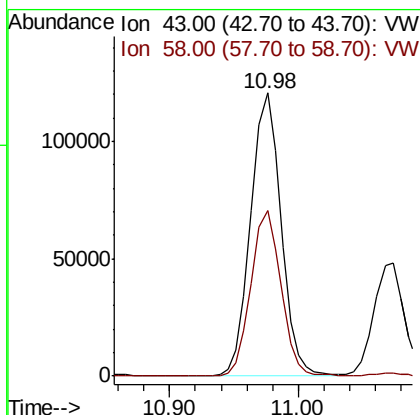
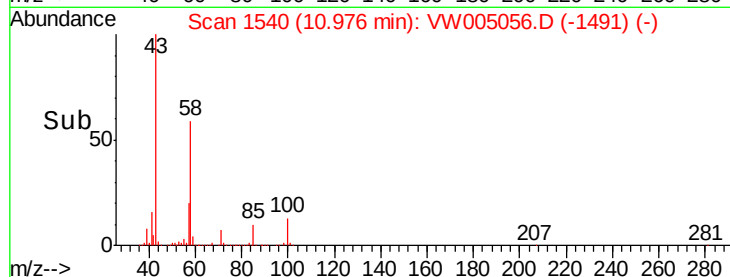
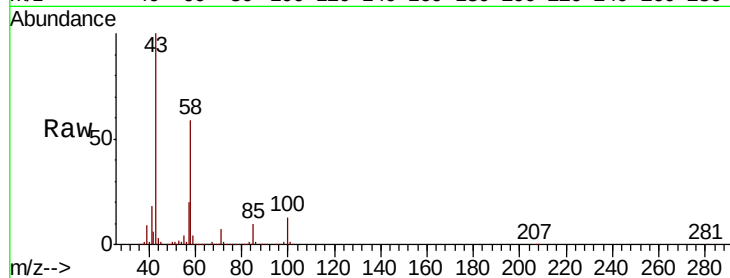
#59
2-Hexanone
Concen: 82.80 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 197442
Ion Ratio Lower Upper
43 100
58 57.5 28.7 86.3

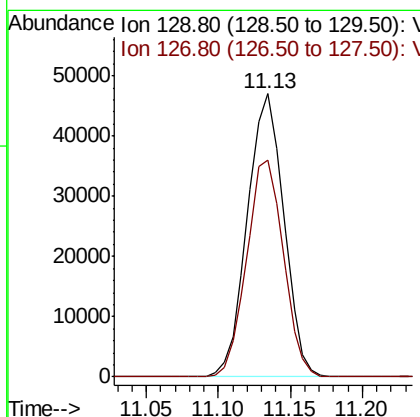
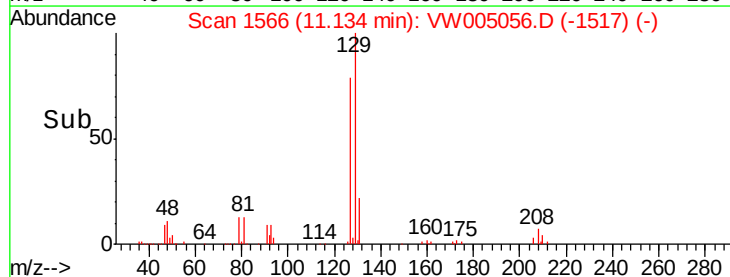
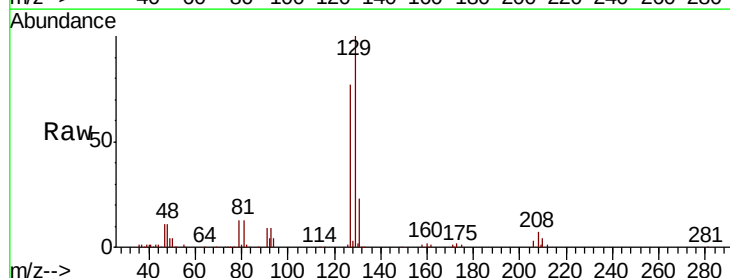
Manual Integrations
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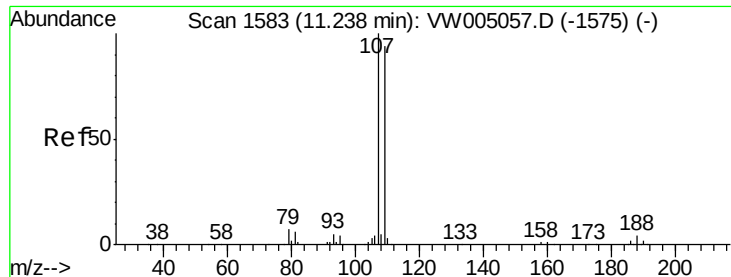
apatel
9/4/2018 9:36:56 AM



#60
Dibromochloromethane
Concen: 21.12 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion: 129 Resp: 82519
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.99 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 66175

Ion Ratio Lower Upper

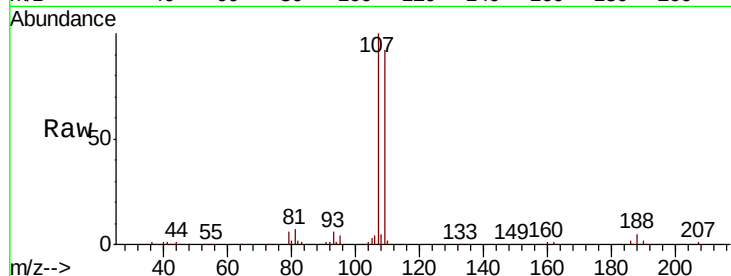
107 100

109 94.7 75.9 113.9

Manual Integrations
APPROVED

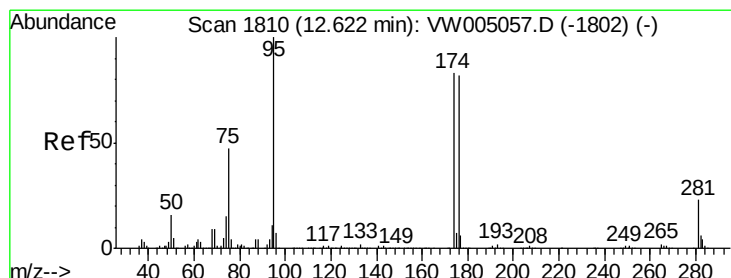
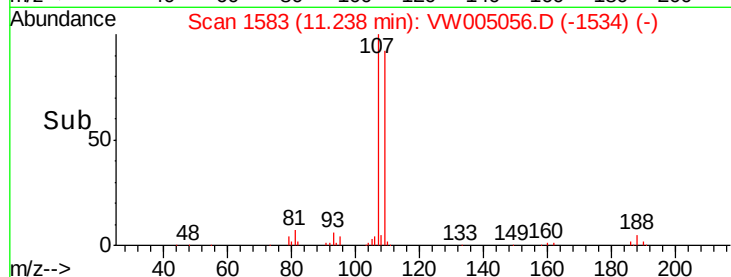
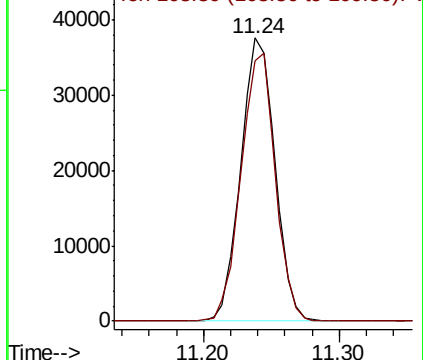
apatel

9/4/2018 9:36:56 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.65 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

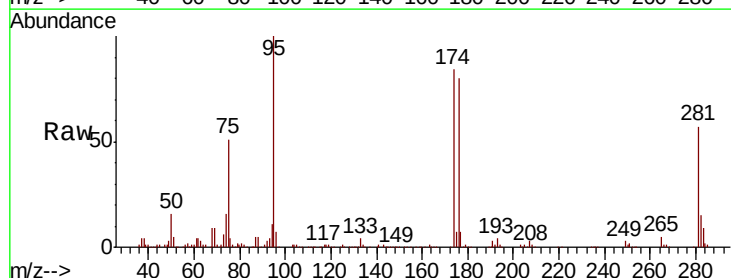
Tgt Ion: 95 Resp: 127539

Ion Ratio Lower Upper

95 100

174 87.4 0.0 173.4

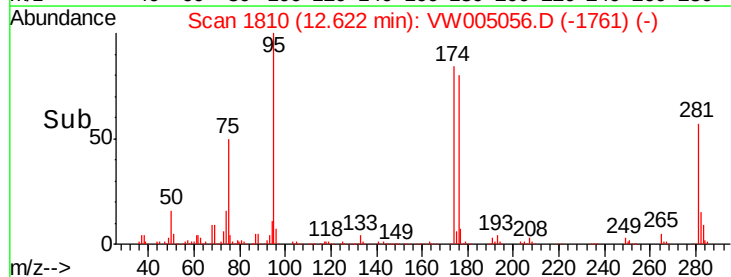
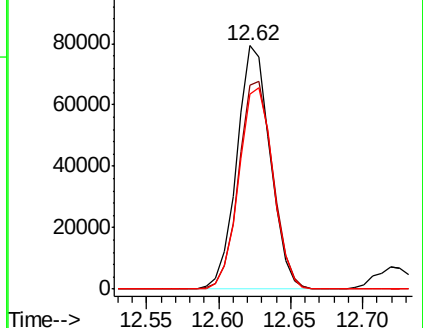
176 84.8 0.0 167.4

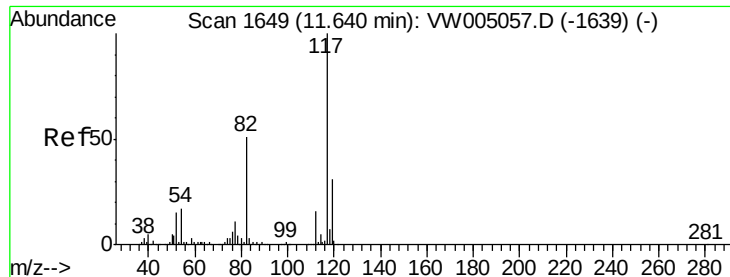


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





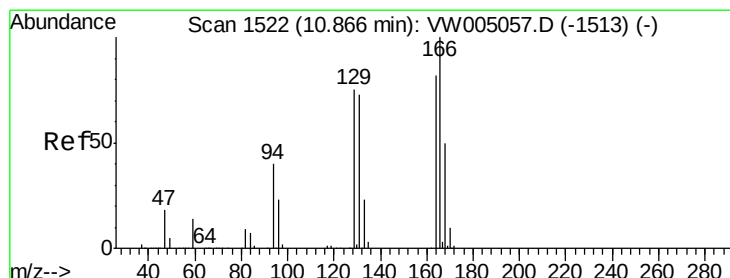
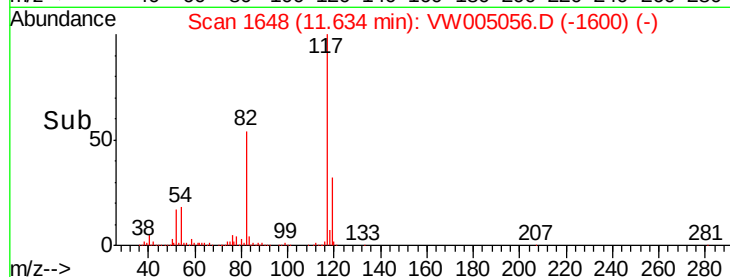
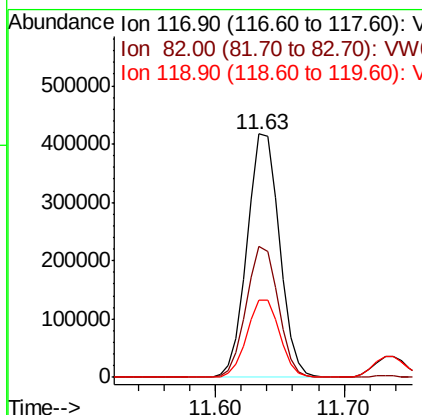
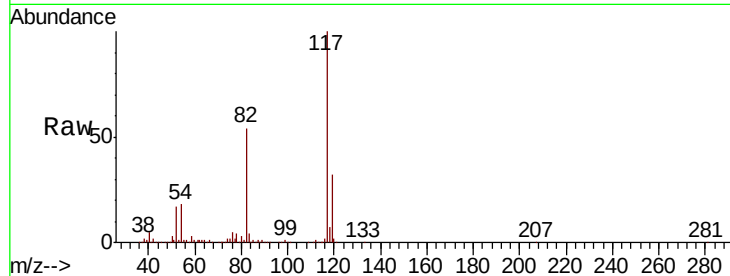
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	117	Resp:	722145
Ion Ratio	Lower	Upper	
117	100		
82	54.0	40.9	61.3
119	31.7	24.9	37.3

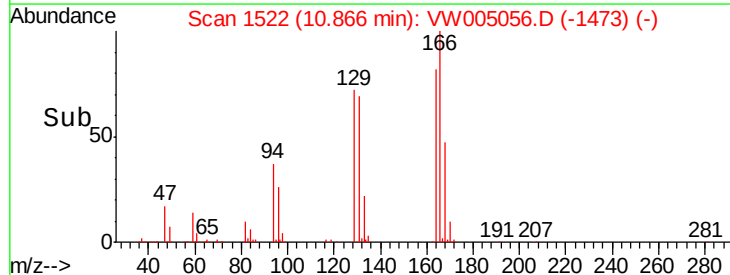
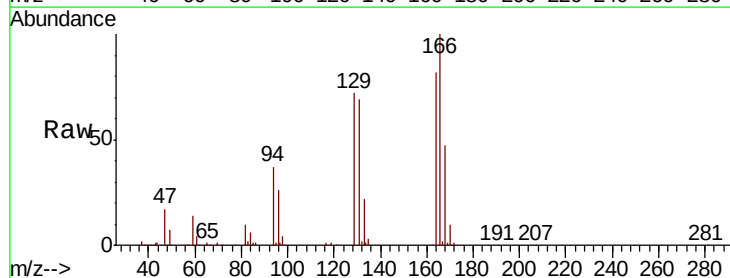
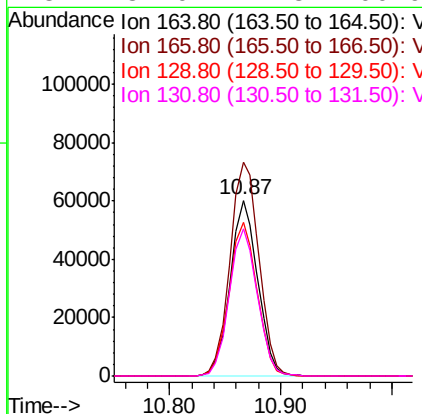
Manual Integrations
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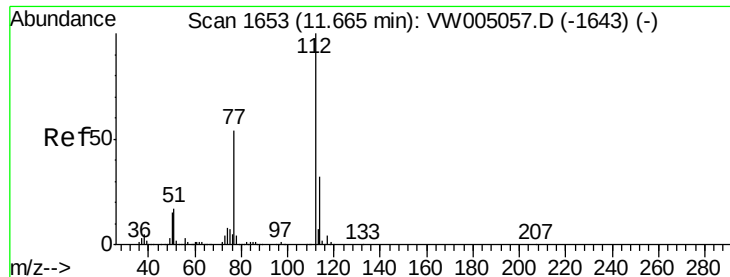
apatel
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#64
Tetrachloroethene
Concen: 19.28 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion:	164	Resp:	102879
Ion Ratio	Lower	Upper	
164	100		
166	121.6	97.3	145.9
129	87.3	73.1	109.7
131	84.0	71.3	106.9





#65

Chlorobenzene

Concen: 18.74 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 300218

Ion Ratio Lower Upper

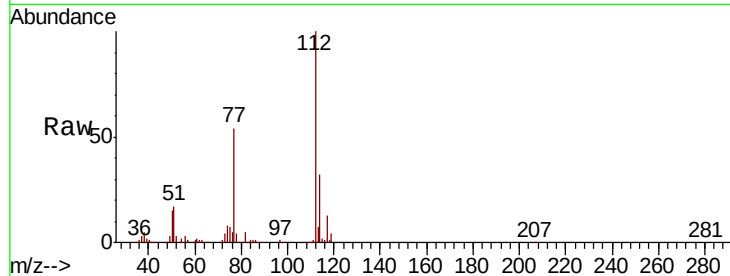
112 100

114 31.5 26.0 39.0

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

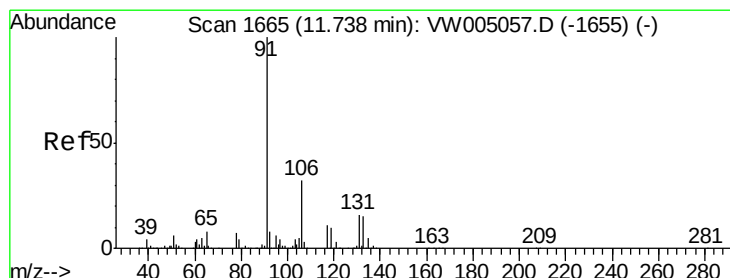
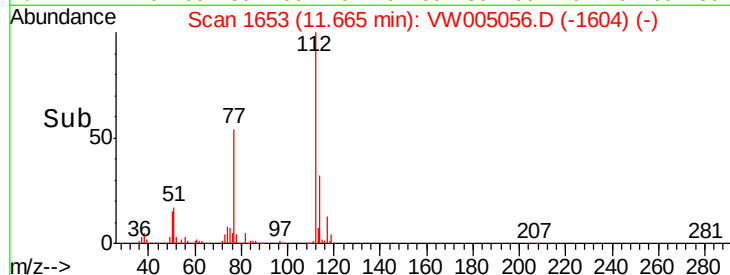
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.99 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

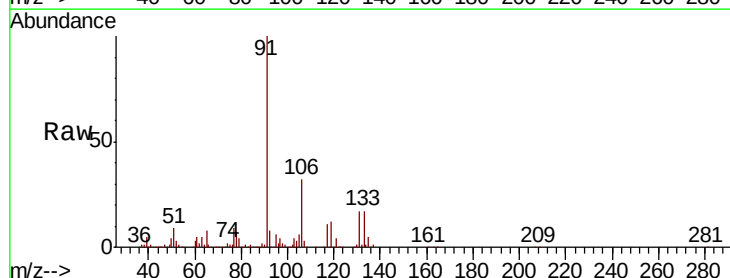
Tgt Ion:131 Resp: 93056

Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.3

119 68.0 33.4 100.1



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

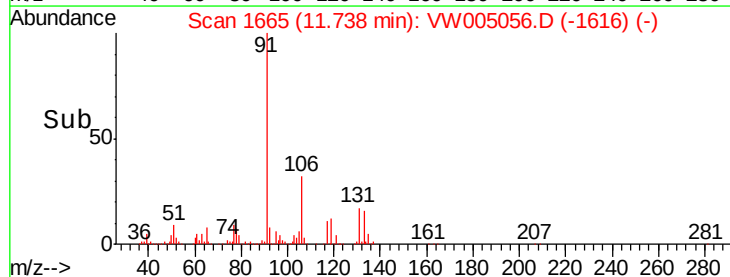
150000

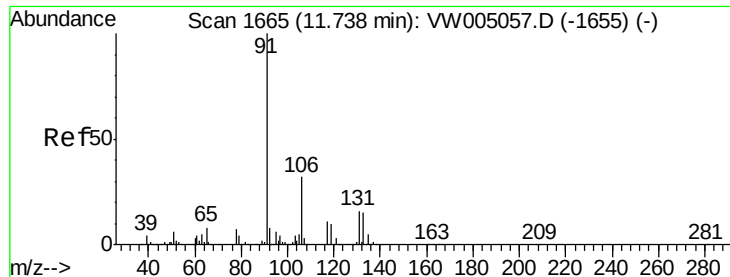
100000

50000

0

Time-->





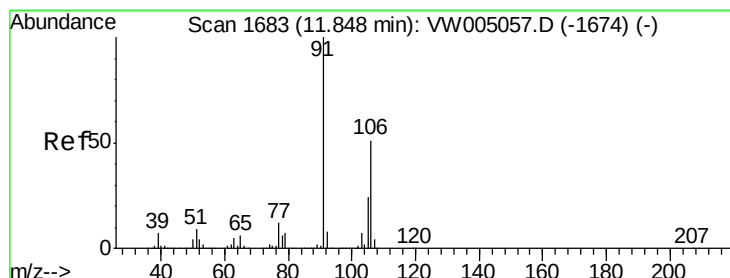
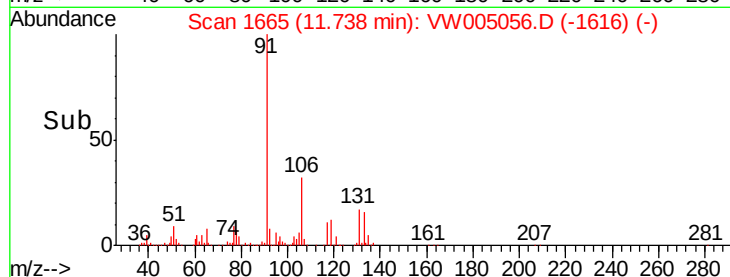
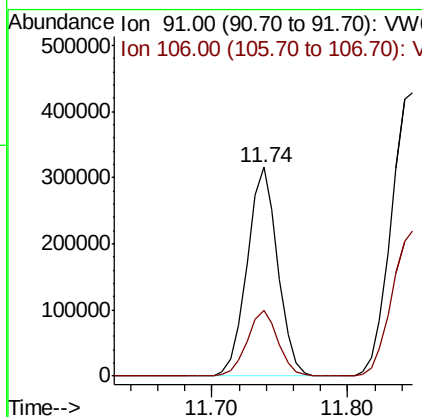
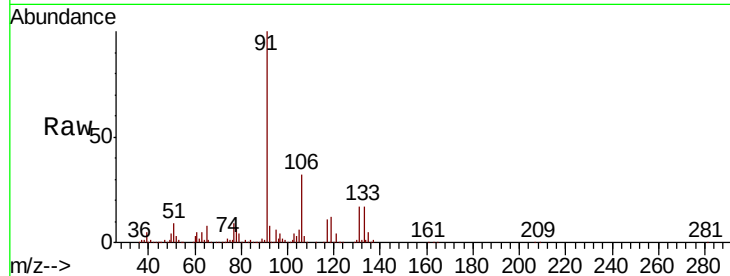
#67
Ethyl Benzene
Concen: 18.11 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	91	Resp	496758
Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9

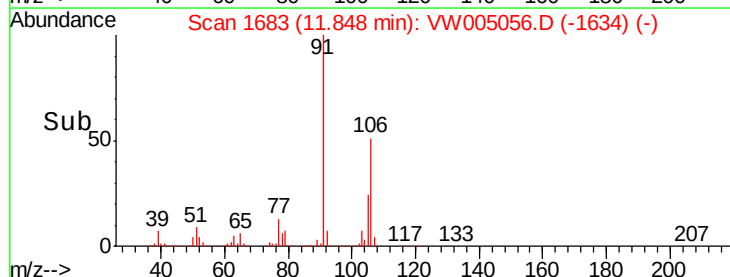
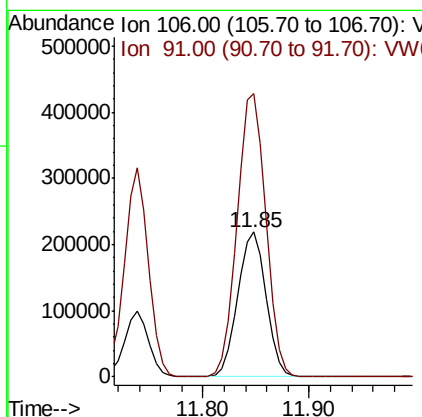
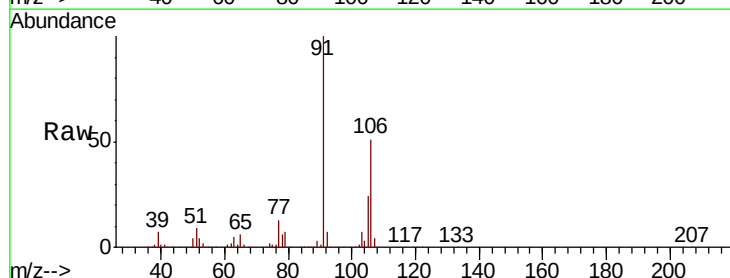
Manual Integrations
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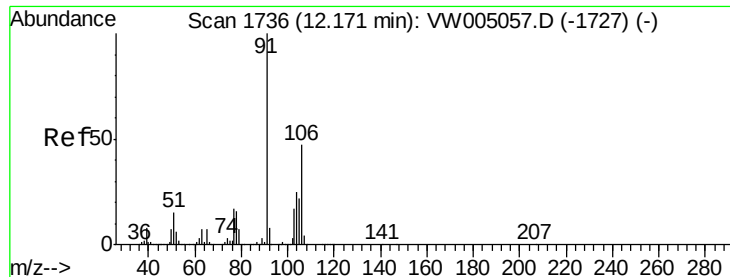
apatel
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#68
m/p-Xylenes
Concen: 36.82 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	106	Resp	410418
Ion	Ratio	Lower	Upper
106	100		
91	197.9	158.4	237.6





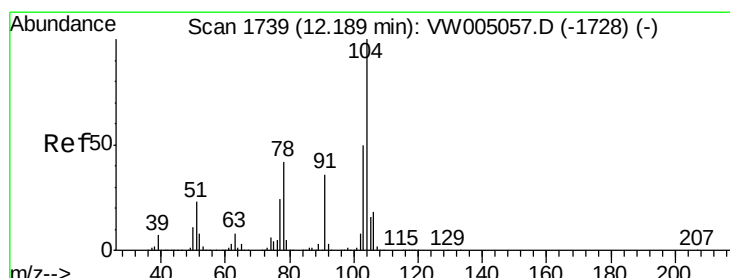
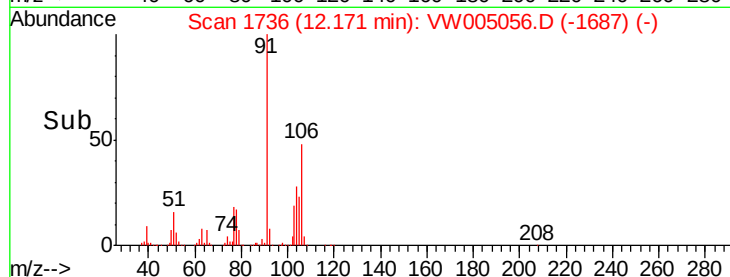
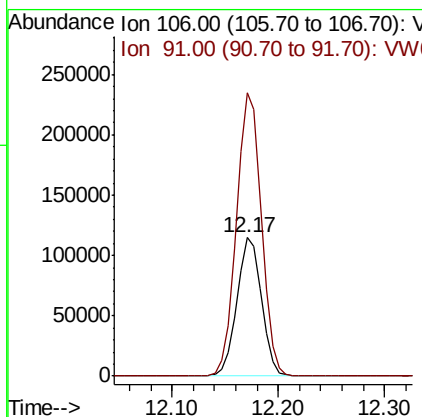
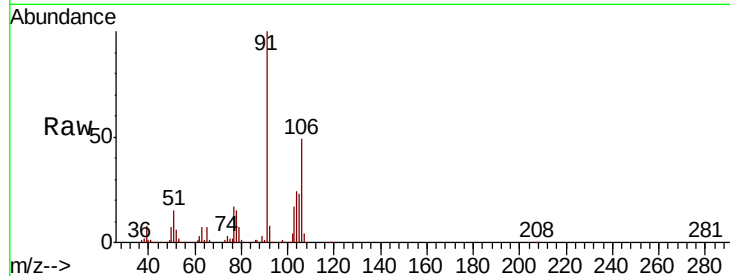
#69
o-Xylene
Concen: 18.28 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	185958		
91	91	208.6	105.6	316.8	

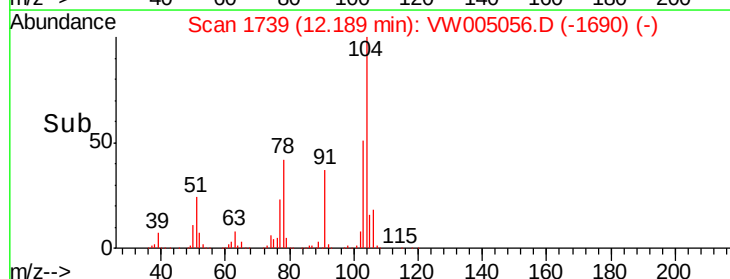
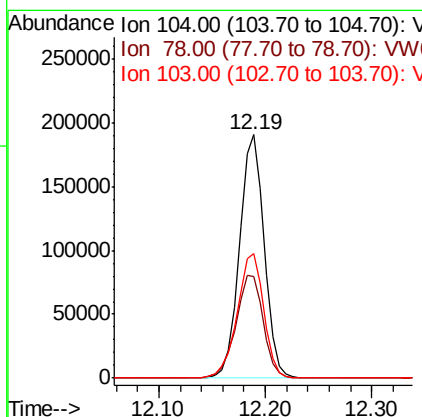
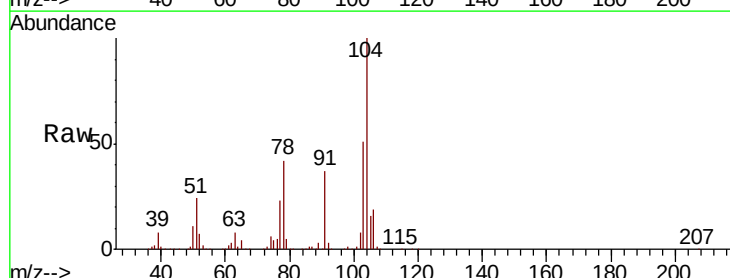
Manual Integrations
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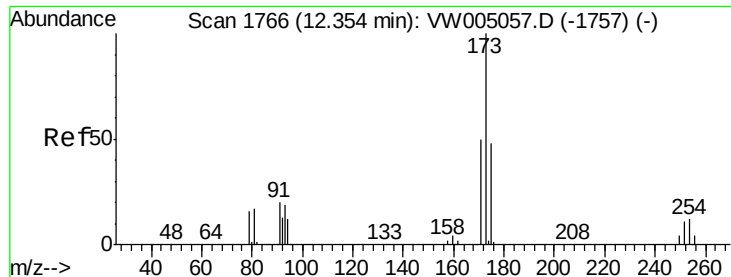
apatel
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#70
Styrene
Concen: 18.44 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	311616		
78	78	46.8	37.8	56.6	
103	103	54.8	44.1	66.1	





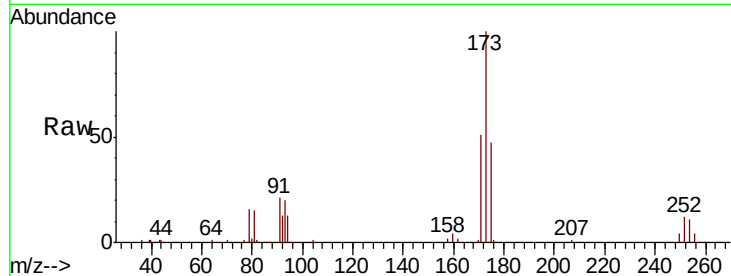
#71
Bromoform
Concen: 20.06 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

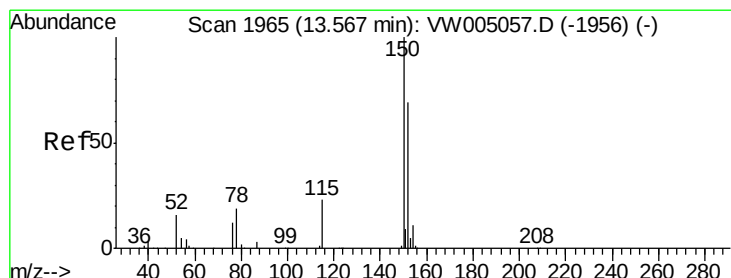
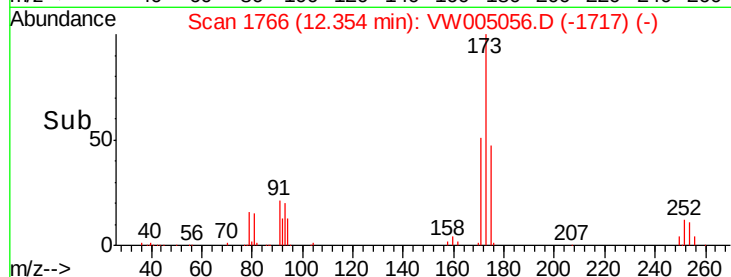
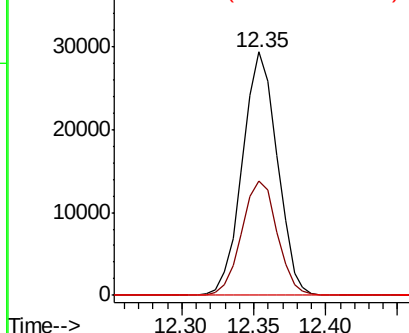
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.0	0.2	0.2#

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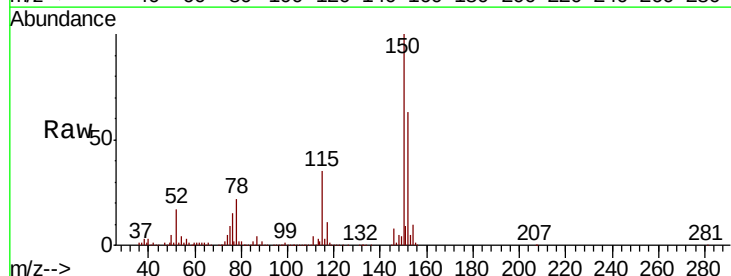


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

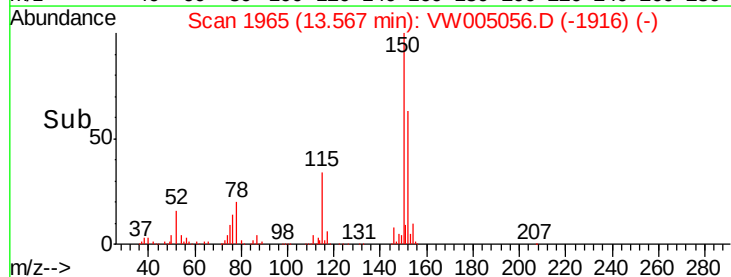
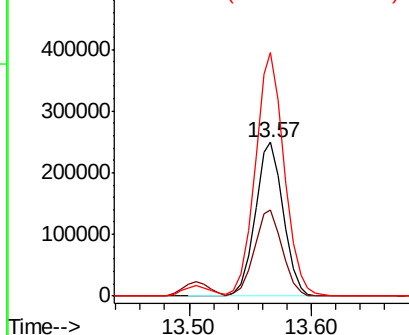


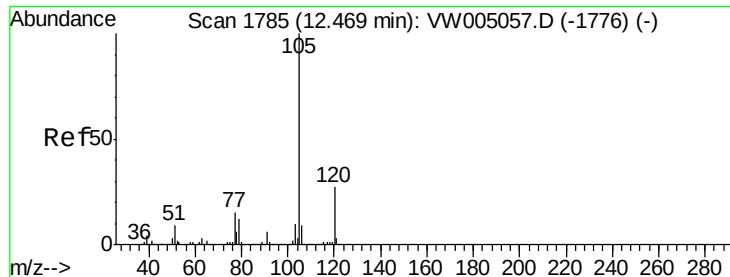
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.8	83.4
150	164.0	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.53 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 497465

Ion Ratio Lower Upper

105 100

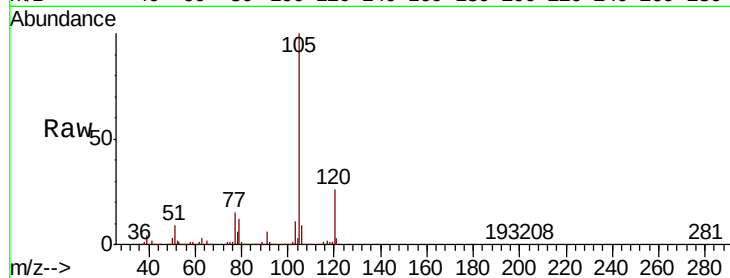
120 26.4 13.4 40.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

300000

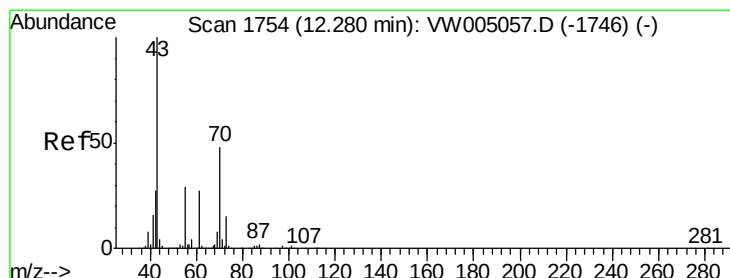
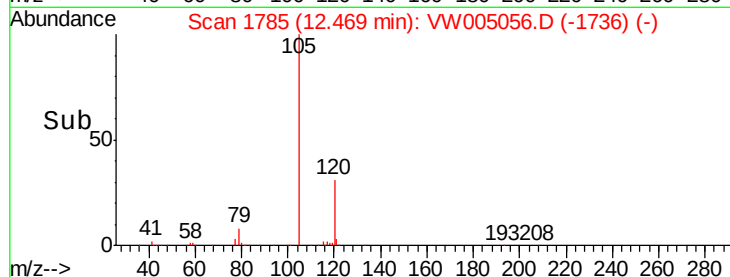
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 16.83 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tgt Ion: 43 Resp: 83770

Ion Ratio Lower Upper

43 100

70 47.1 38.2 57.4

55 31.3 23.2 34.8

61 25.7 20.6 31.0

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

80000

60000

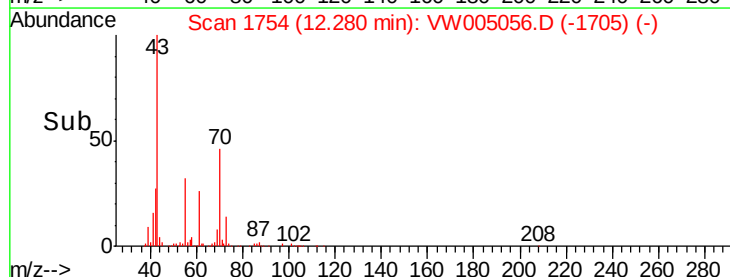
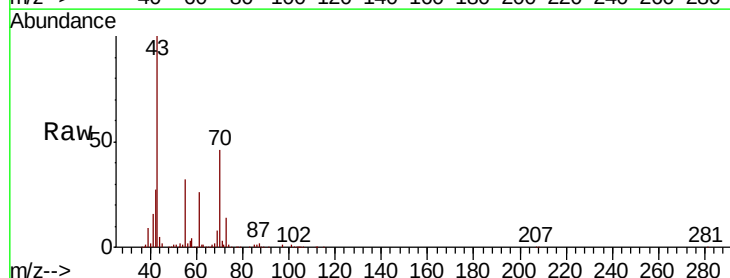
40000

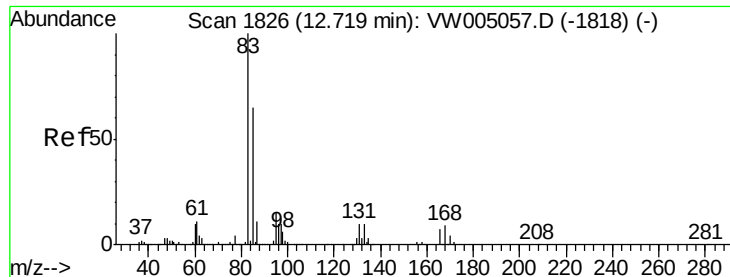
20000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 19.50 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

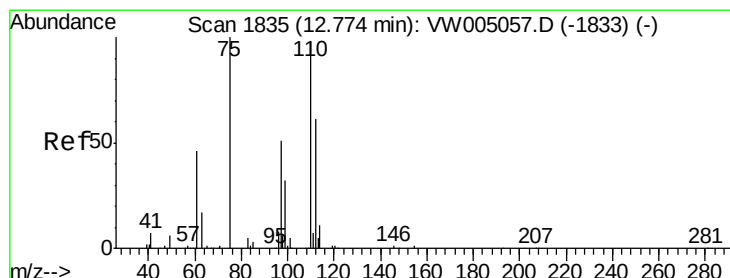
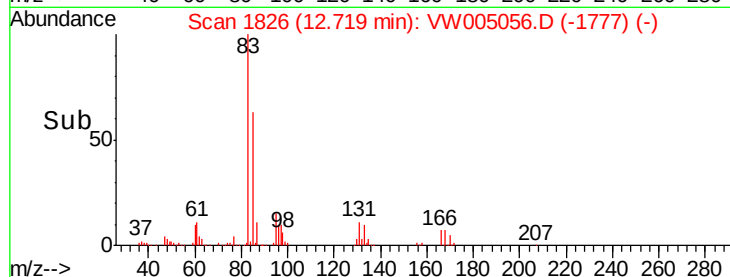
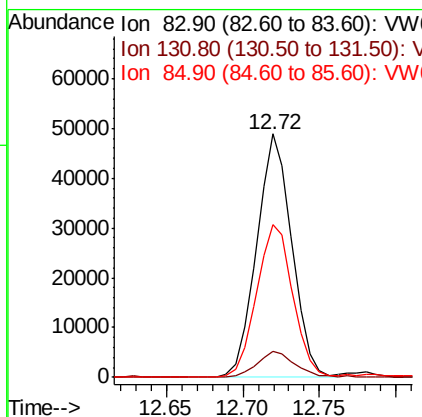
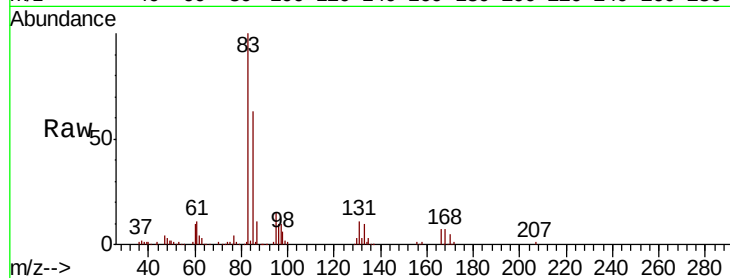
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	78570
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.4
85	64.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.57 ug/l m

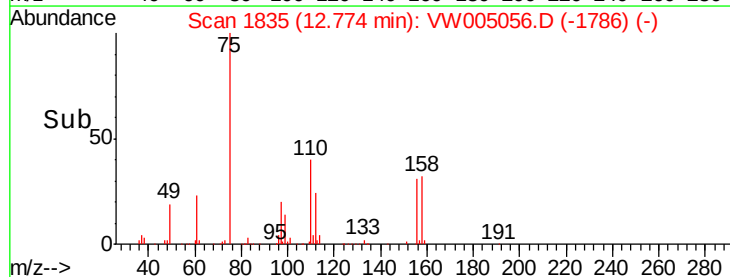
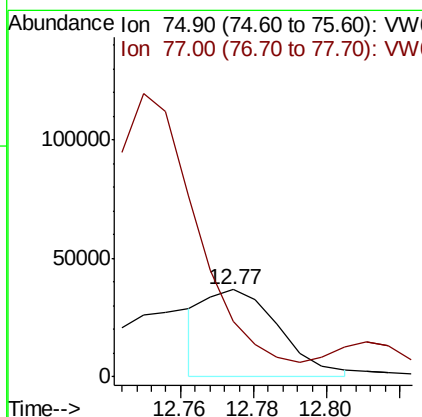
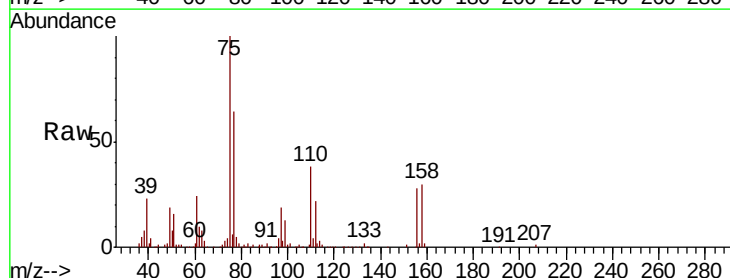
RT: 12.77 min Scan# 1835

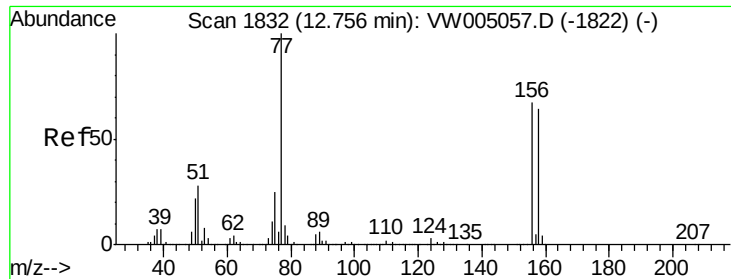
Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Tgt Ion:	75	Resp:	52578
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.69 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 123074

Ion Ratio Lower Upper

156 100

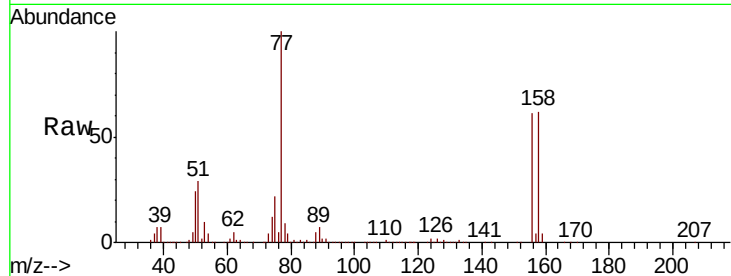
77 174.8 85.8 257.4

158 100.1 48.1 144.4

Manual Integrations
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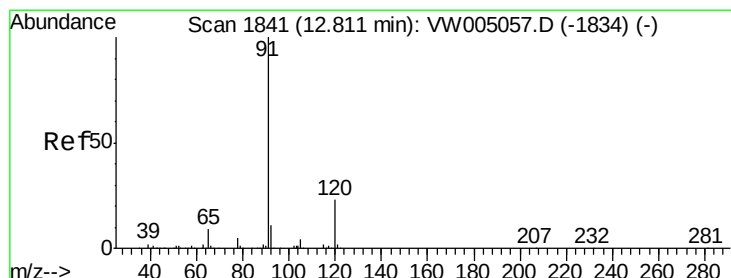
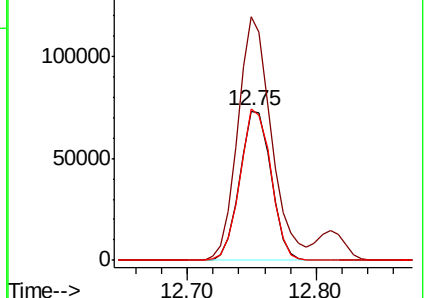
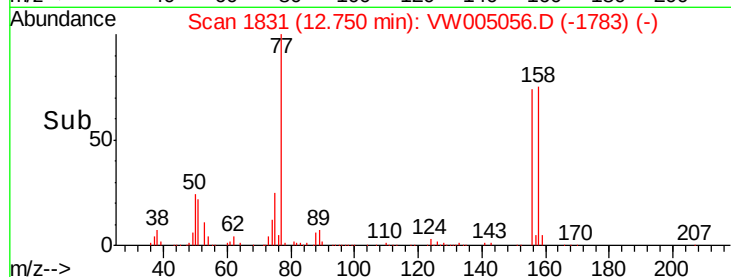
9/4/2018 9:36:56 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.37 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW005056.D

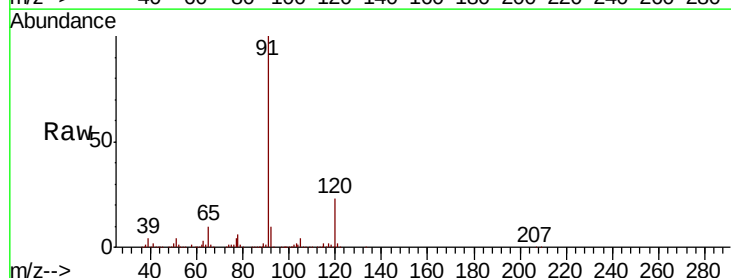
Acq: 01 Sep 2018 00:39

Tgt Ion: 91 Resp: 606755

Ion Ratio Lower Upper

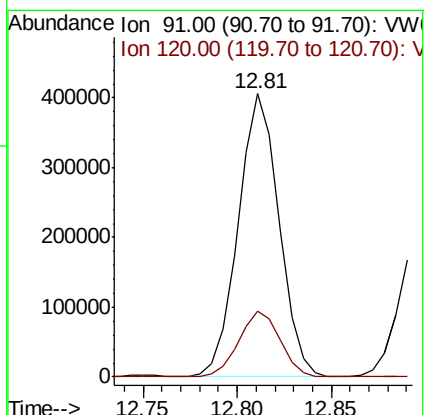
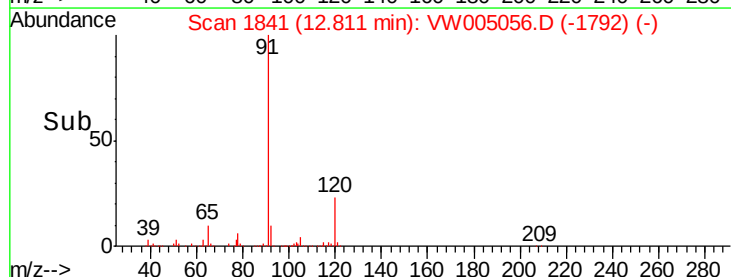
91 100

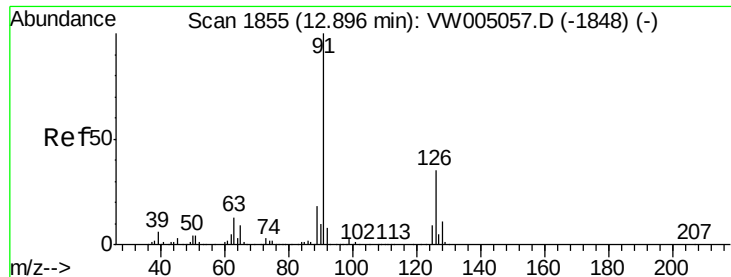
120 23.6 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.74 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 357328

Ion Ratio Lower Upper

91 100

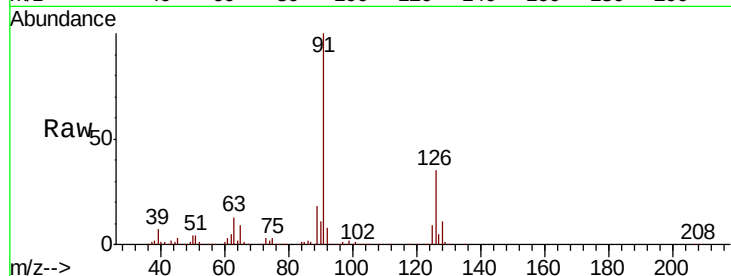
126 34.3 17.3 52.0

Manual Integrations

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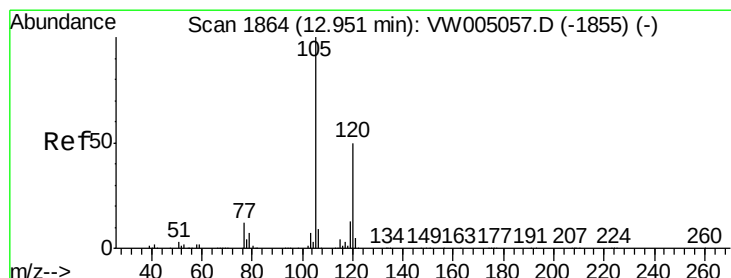
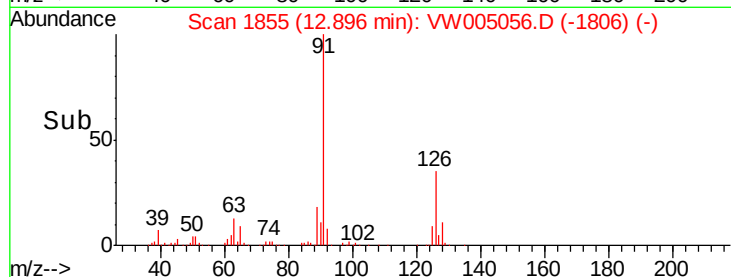
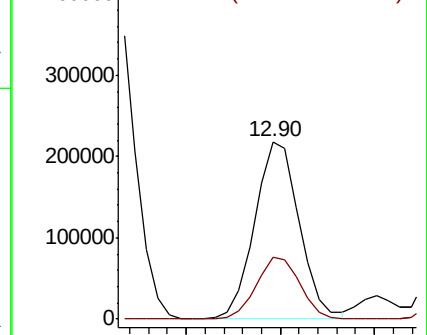
apatel

9/4/2018 9:36:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.43 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW005056.D

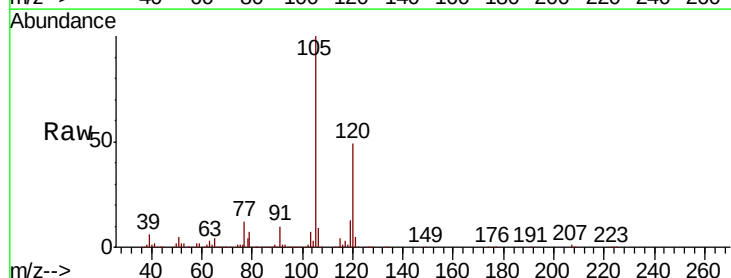
Acq: 01 Sep 2018 00:39

Tgt Ion: 105 Resp: 435758

Ion Ratio Lower Upper

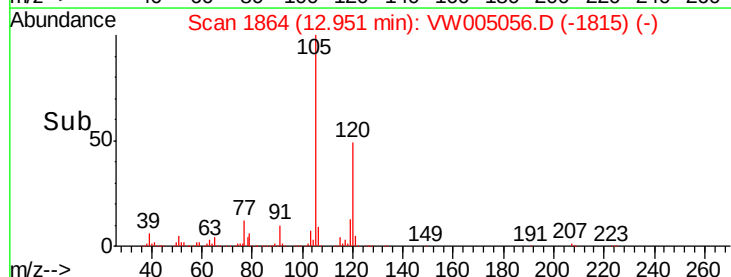
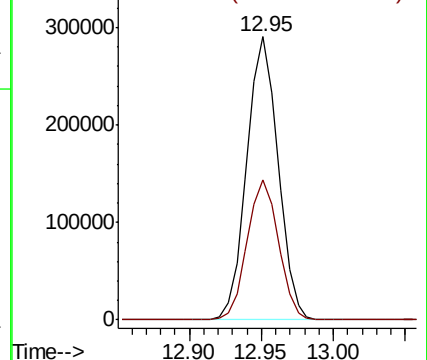
105 100

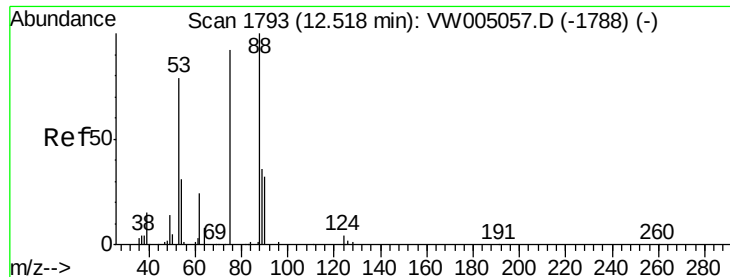
120 49.6 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





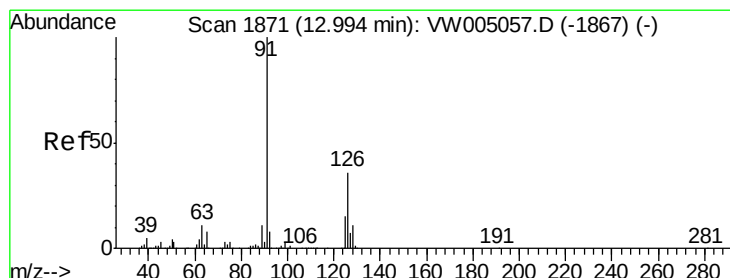
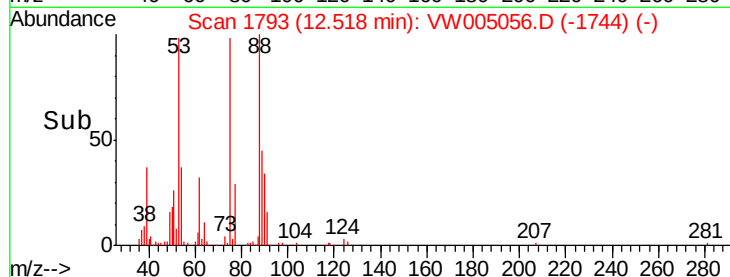
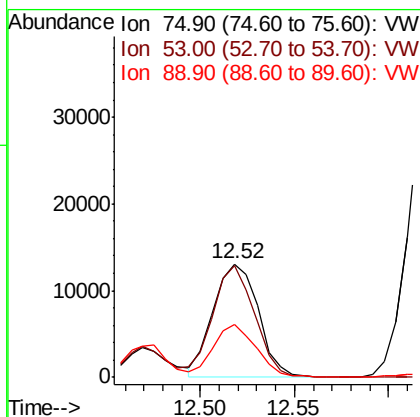
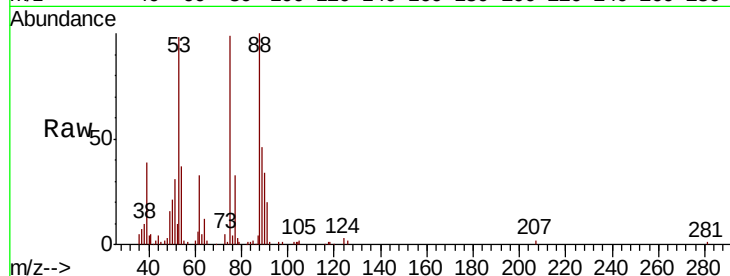
#81
trans-1,4-Dichloro-2-butene
Concen: 17.27 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.8	69.8	104.8
89	45.0	36.0	54.0

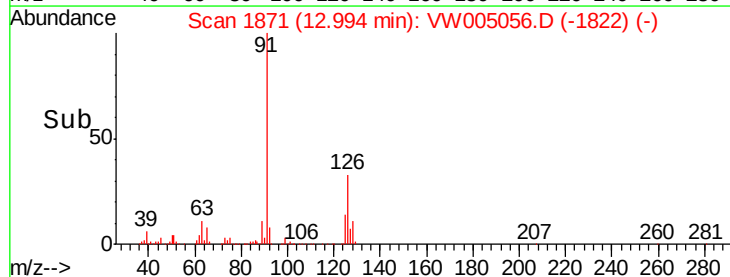
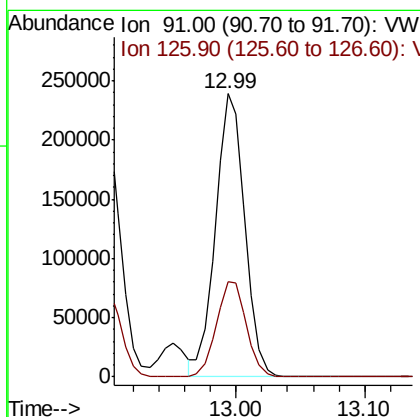
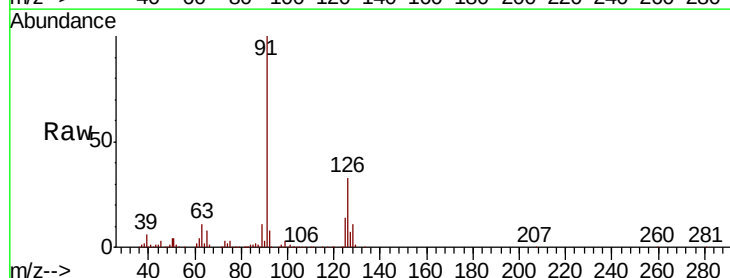
Manual Integrations
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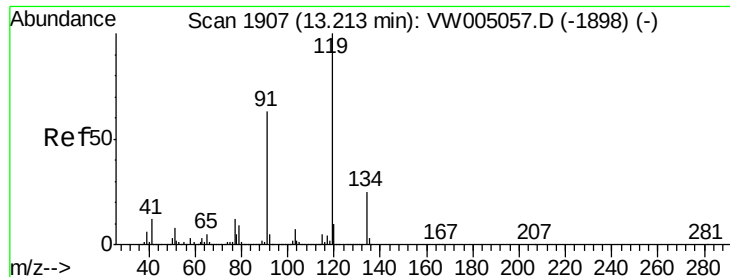
apatel
9/4/2018 9:36:56 AM



#82
4-Chlorotoluene
Concen: 18.77 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.4	52.3





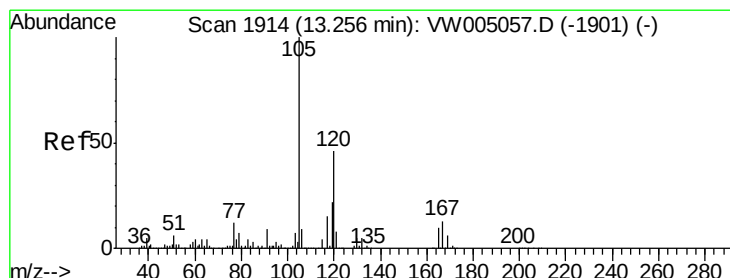
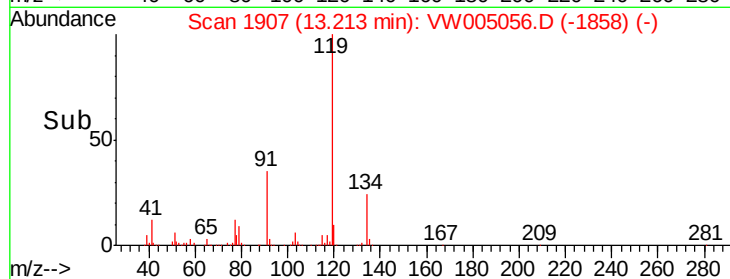
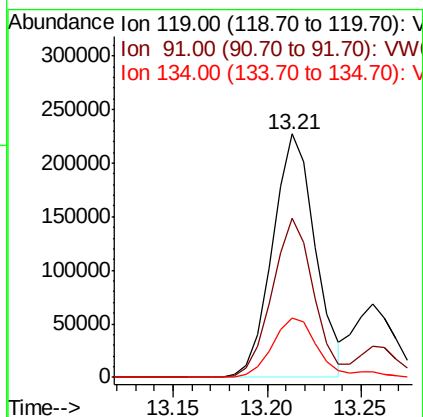
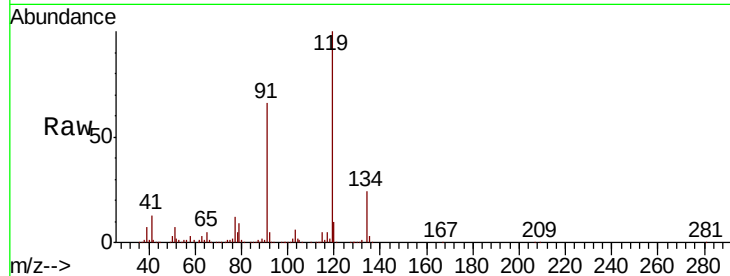
#83
 tert-Butylbenzene
 Concen: 17.96 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	356864		
91	64.5	31.8	95.4	
134	26.9	13.0	39.0	

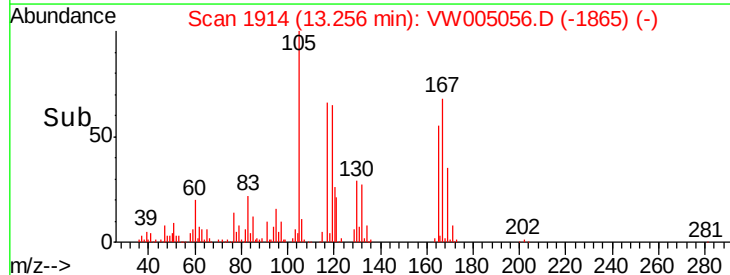
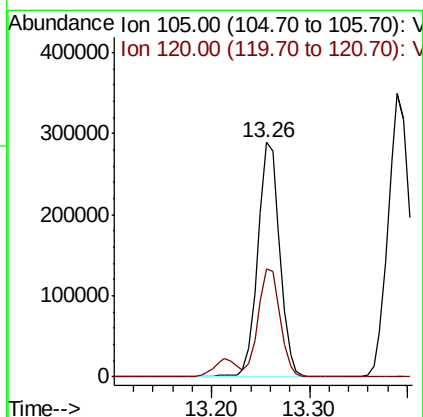
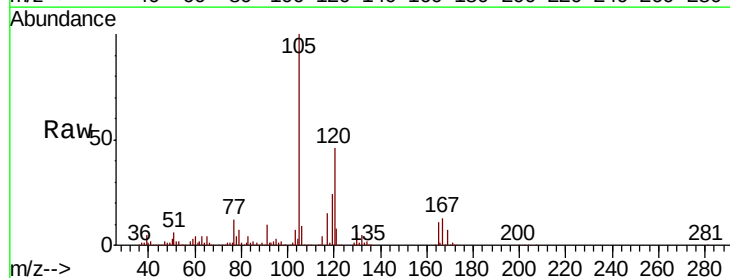
Manual Integrations
 APPROVED

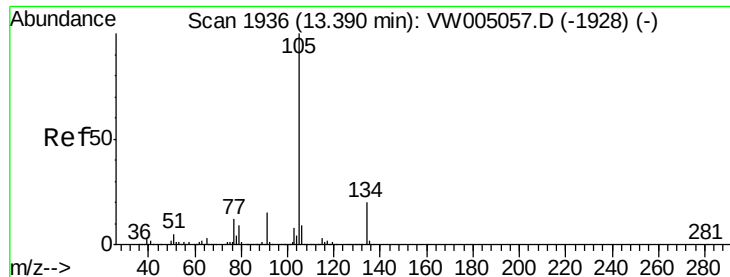
apatel
 9/4/2018 9:36:56 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.70 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	449205		
120	46.0	23.1	69.3	





#85

sec-Butylbenzene

Concen: 18.32 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 533380

Ion Ratio Lower Upper

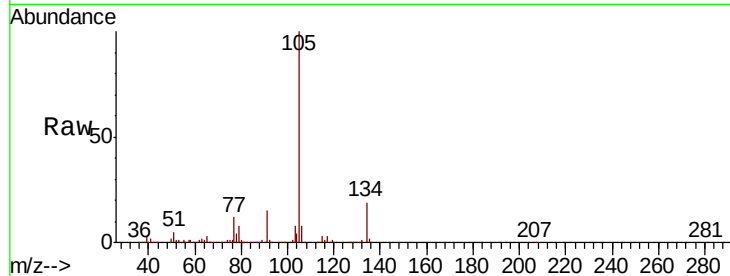
105 100

134 19.8 10.1 30.3

Manual Integrations
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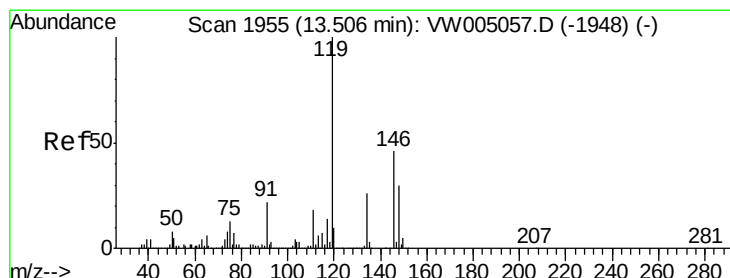
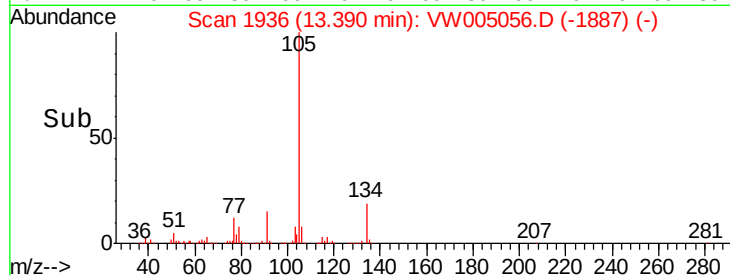
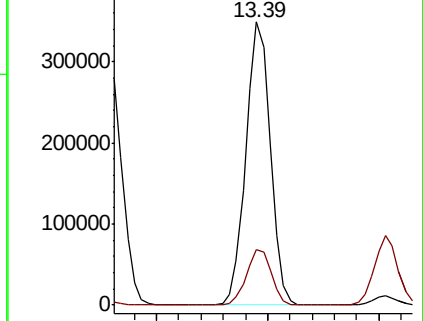
apatel

9/4/2018 9:36:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.13 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW005056.D

Acq: 01 Sep 2018 00:39

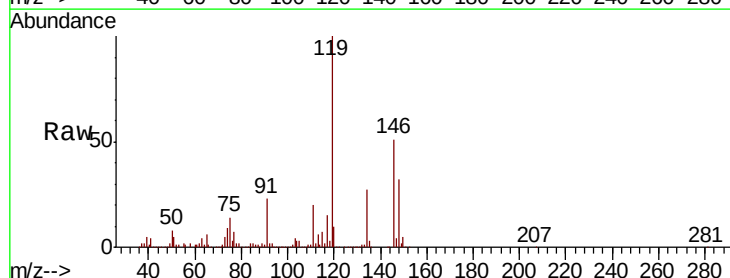
Tgt Ion:119 Resp: 472220

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

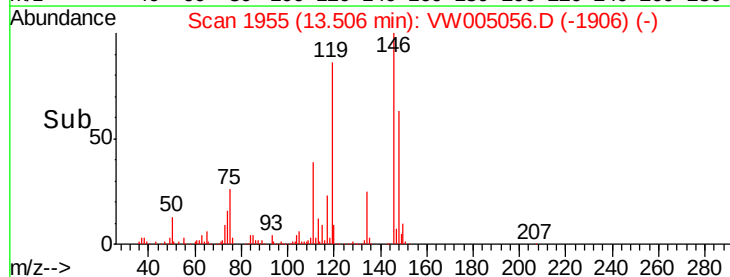
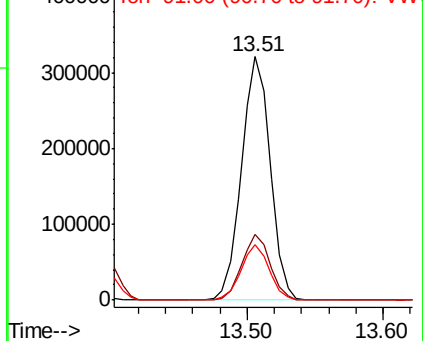
91 22.1 10.9 32.9

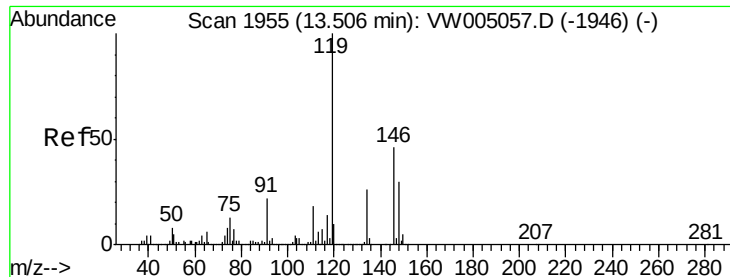


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





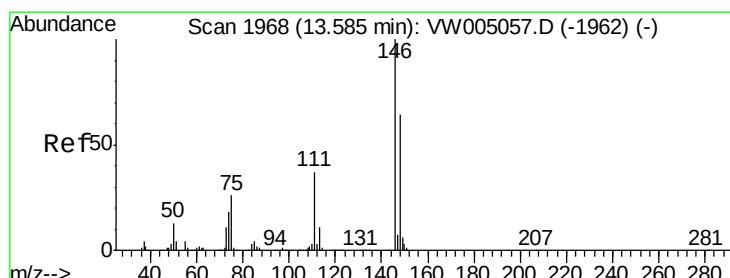
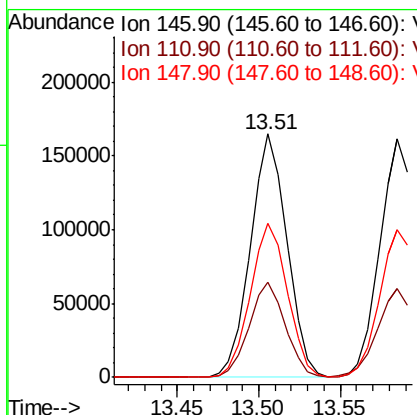
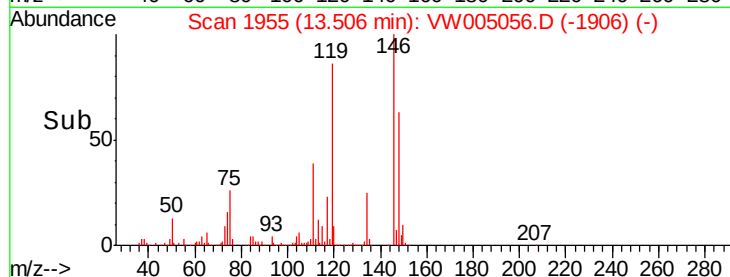
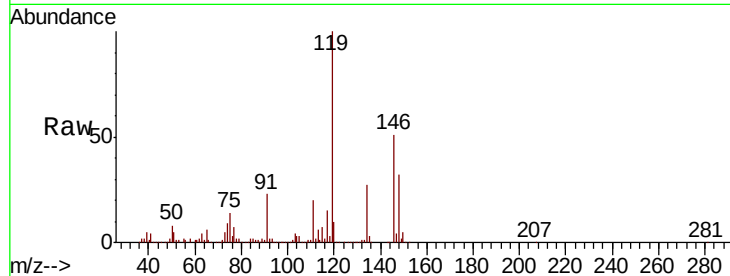
#87
 1,3-Dichlorobenzene
 Concen: 18.57 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.2	57.6
148	64.2	31.9	95.7

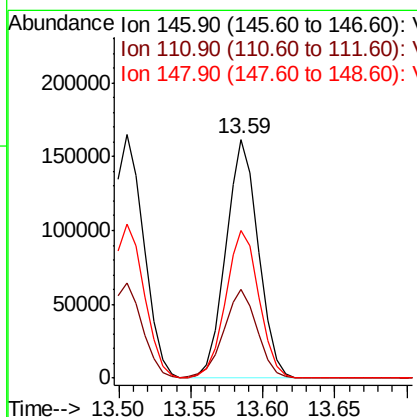
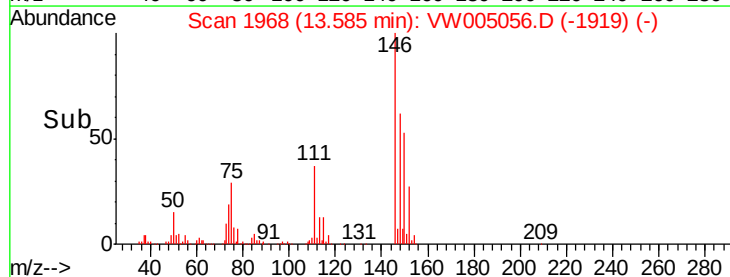
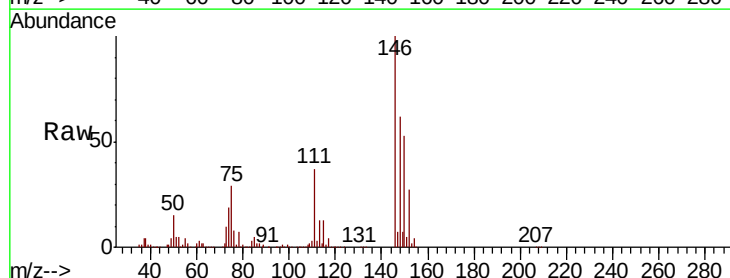
Manual Integrations
 APPROVED

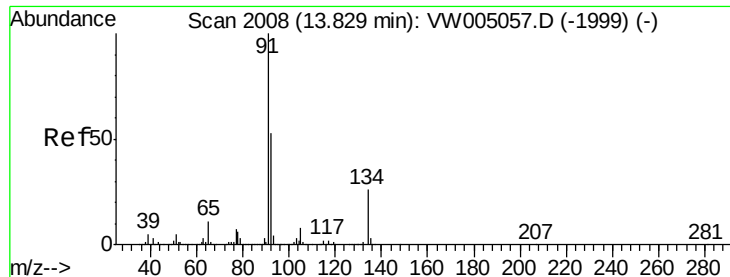
apatel
 9/4/2018 9:36:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	56.0
148	63.4	32.0	96.0





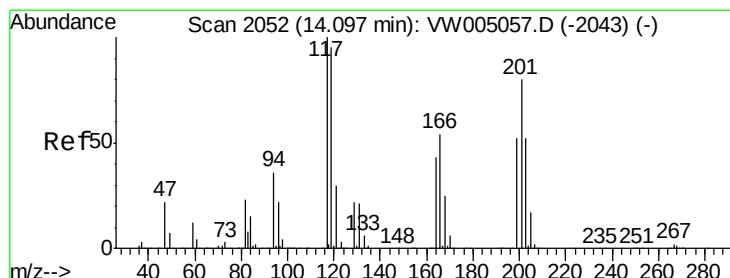
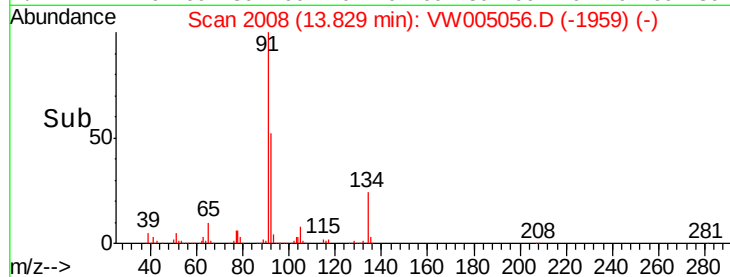
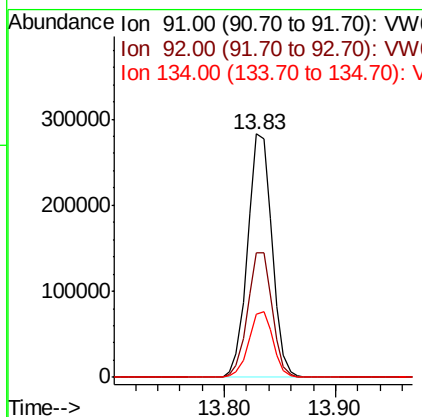
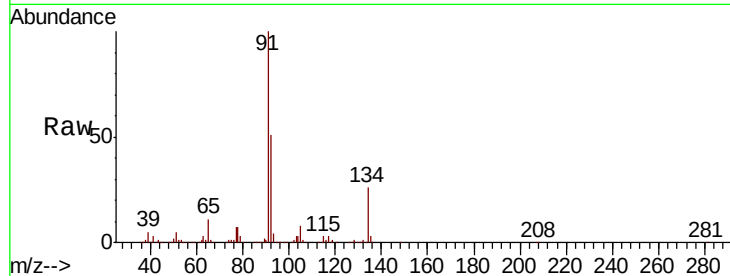
#89
n-Butylbenzene
Concen: 17.59 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.5	79.5
134	26.8	13.5	40.4

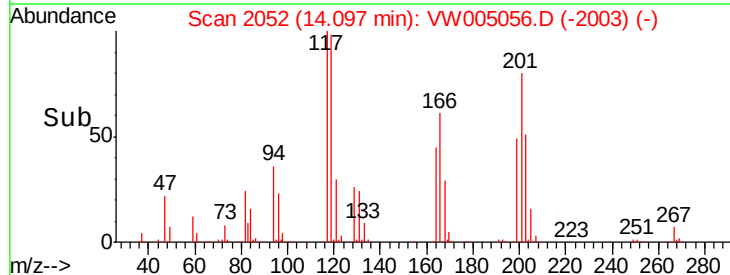
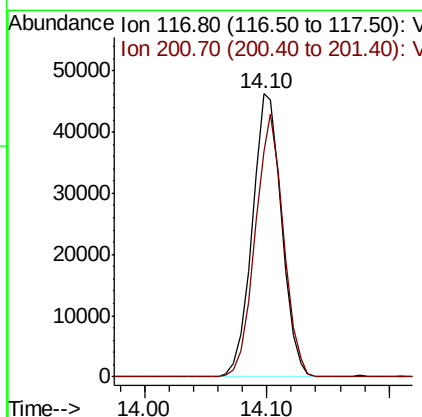
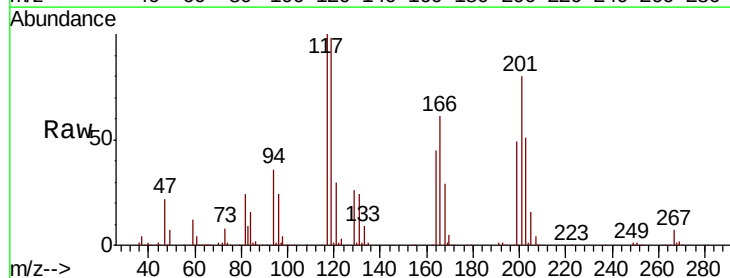
Manual Integrations
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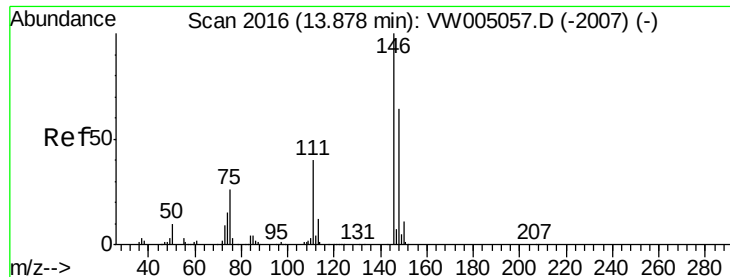
apatel
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#90
Hexachloroethane
Concen: 18.92 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	44.6	133.8





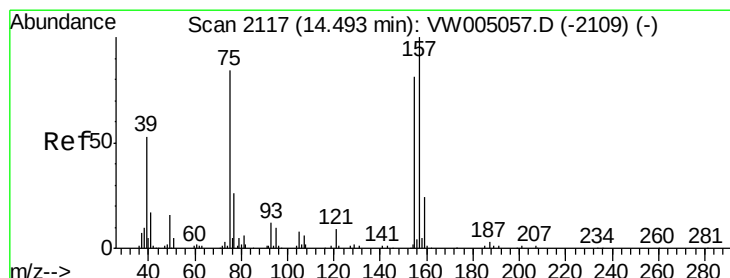
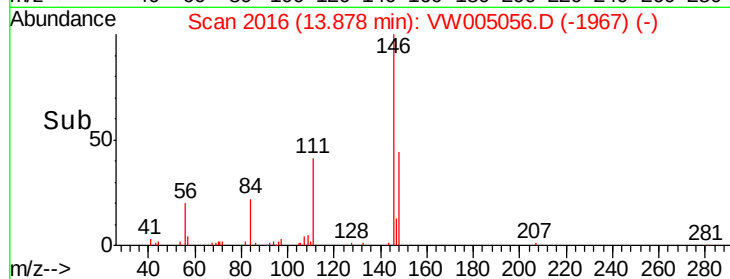
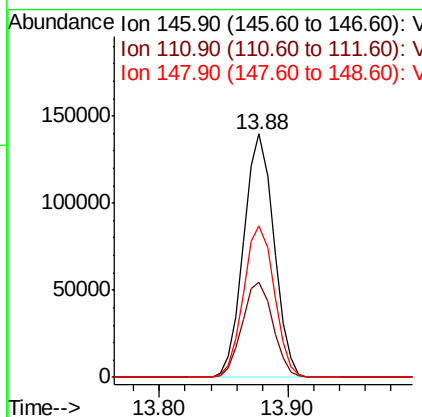
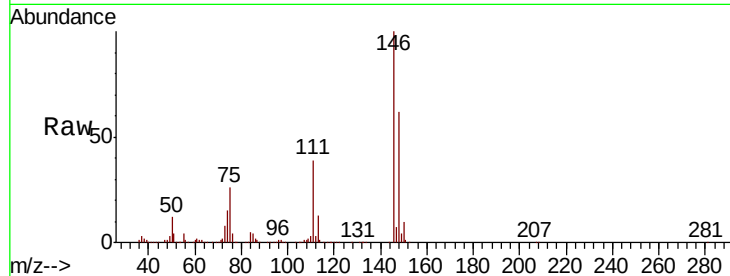
#91
 1,2-Dichlorobenzene
 Concen: 18.58 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	63.4	31.9	95.9

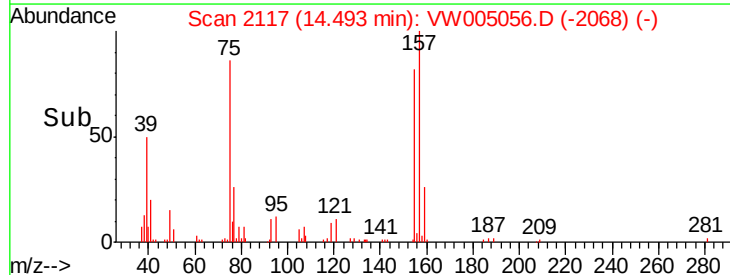
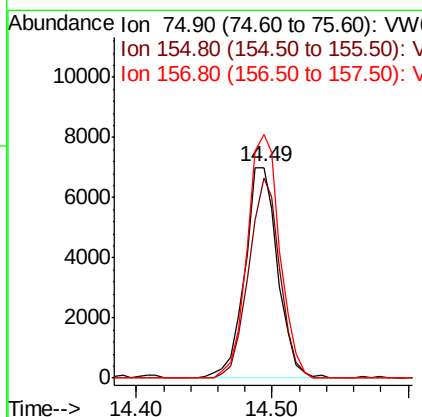
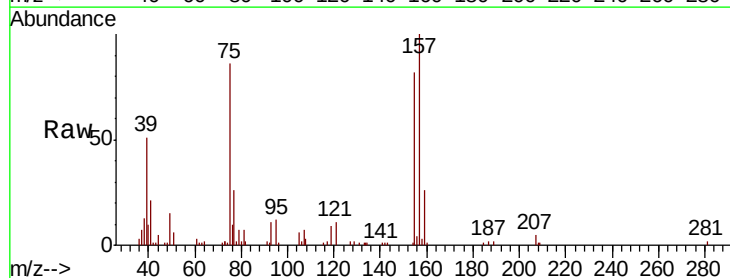
Manual Integrations
 APPROVED

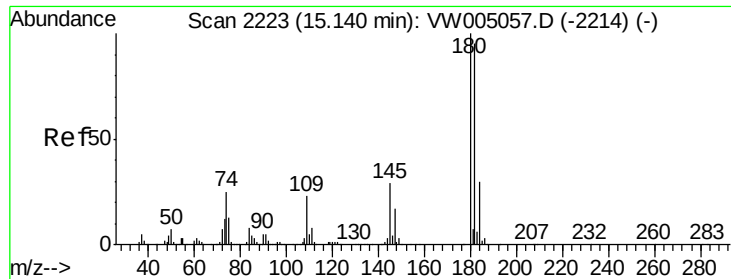
apatel
 9/4/2018 9:36:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.14 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	46.0	137.8
157	115.0	58.6	175.7





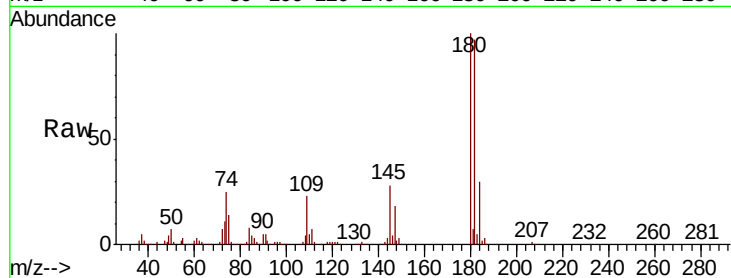
#93
 1,2,4-Trichlorobenzene
 Concen: 17.34 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	147442		
182	94.3	47.5	142.6	
145	28.0	14.4	43.2	

Manual Integrations
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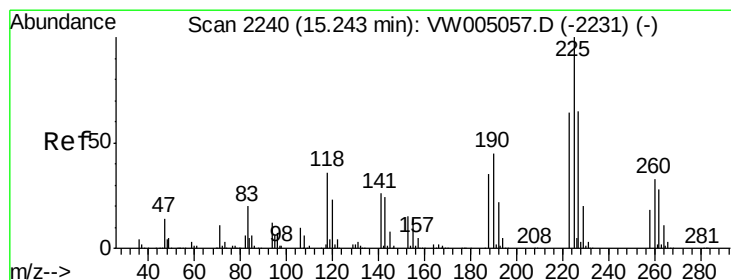
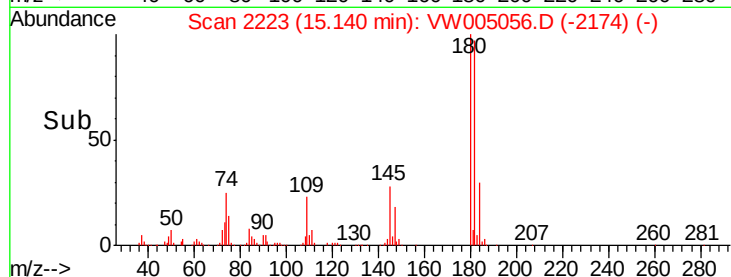
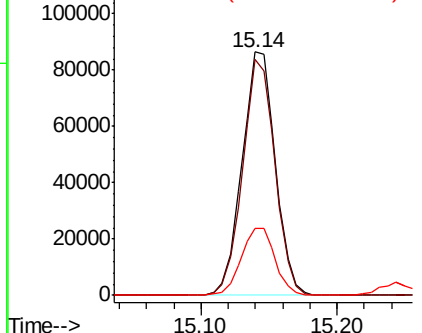


Abundance

Ion 179.80 (179.50 to 180.50): V

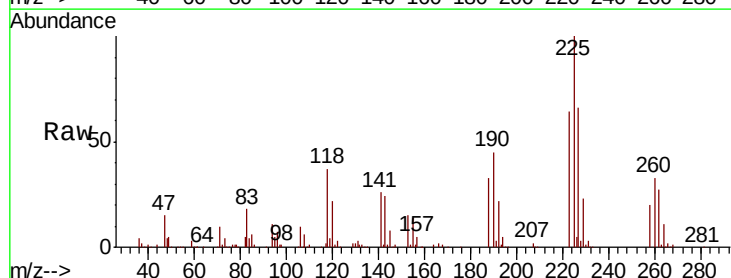
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.58 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW005056.D
 Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93483		
223	62.0	31.4	94.3	
227	64.5	32.0	96.0	

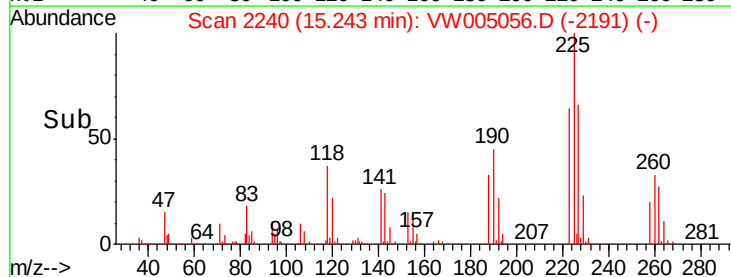
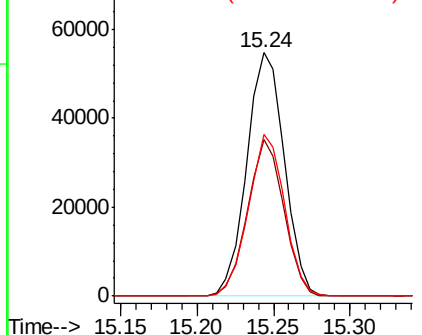


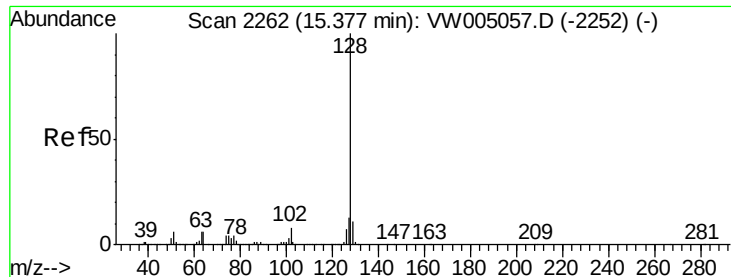
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





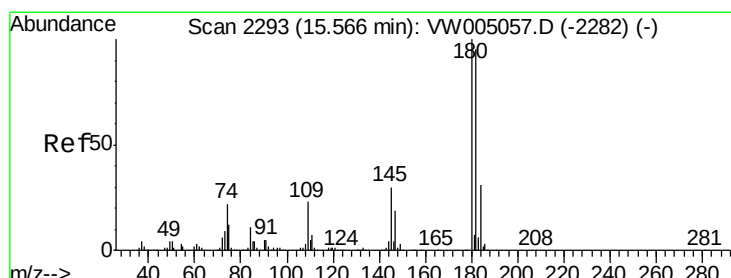
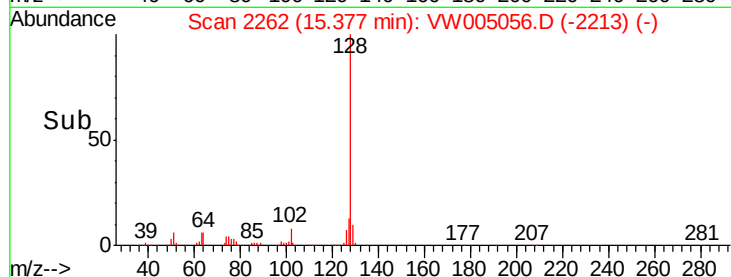
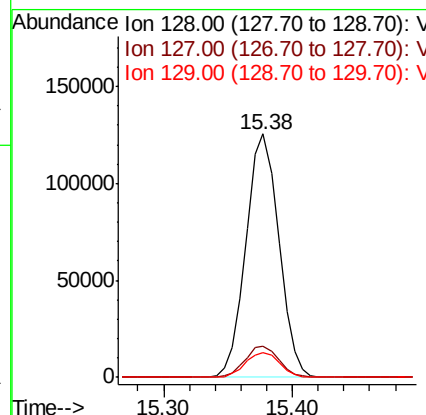
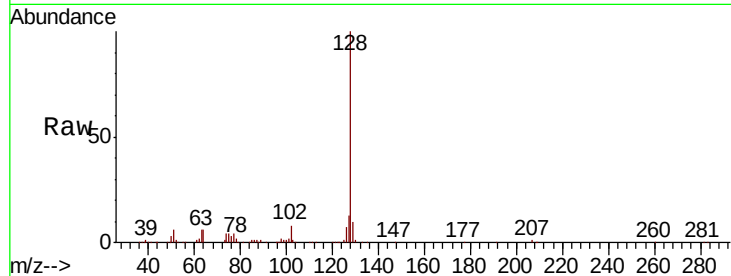
#95
Naphthalene
Concen: 16.05 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 16.87 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW005056.D
Acq: 01 Sep 2018 00:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.4	142.3
145	30.6	15.4	46.1

