

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090118\
 Data File : VW005054.D
 Acq On : 31 Aug 2018 23:48
 Operator : SY/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 9/4/2018 9:36:47 AM

Quant Time: Sep 01 03:17:03 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	433647	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	645676	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	645027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	351460	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	21146	6.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	13.88%	
35) Dibromofluoromethane	7.89	113	20079	6.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.22%	
50) Toluene-d8	10.33	98	86439	4.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.82%	
62) 4-Bromofluorobenzene	12.62	95	30688	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	19471	5.22	ug/l	99
3) Chloromethane	2.22	50	28489	5.34	ug/l	94
4) Vinyl Chloride	2.36	62	27149	5.12	ug/l	97
5) Bromomethane	2.77	94	21856	6.26	ug/l	98
6) Chloroethane	2.92	64	17199	5.43	ug/l	93
7) Trichlorofluoromethane	3.27	101	31315	5.69	ug/l	87
8) Diethyl Ether	3.70	74	10858	6.65	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	22173	6.41	ug/l	99
10) Methyl Iodide	4.28	142	17556	3.70	ug/l	97
11) Tert butyl alcohol	5.17	59	8687	39.15	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	18519	5.75	ug/l	94
13) Acrolein	3.90	56	6455	26.15	ug/l	100
14) Allyl chloride	4.68	41	27389	5.50	ug/l	98
15) Acrylonitrile	5.39	53	21835	27.08	ug/l	98
16) Acetone	4.14	43	20767	30.56	ug/l	93
17) Carbon Disulfide	4.39	76	63856	4.85	ug/l	97
18) Methyl Acetate	4.68	43	12968	7.66	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	41082	5.80	ug/l	99
20) Methylene Chloride	4.93	84	45977	8.09	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	22720	6.37	ug/l	97
22) Diisopropyl ether	6.32	45	52033	5.10	ug/l	97
23) Vinyl Acetate	6.26	43	134492	25.62	ug/l	99
24) 1,1-Dichloroethane	6.23	63	39247	6.32	ug/l	98
25) 2-Butanone	7.18	43	35186	32.76	ug/l	94
26) 2,2-Dichloropropane	7.18	77	36846	6.84	ug/l	93
27) cis-1,2-Dichloroethene	7.18	96	24877	6.37	ug/l	92
28) Bromochloromethane	7.53	49	15962	5.98	ug/l	99
29) Tetrahydrofuran	7.54	42	16205	29.57	ug/l	95
30) Chloroform	7.68	83	40649	6.60	ug/l	99
31) Cyclohexane	7.96	56	40388	6.25	ug/l #	81
32) 1,1,1-Trichloroethane	7.88	97	35741	6.38	ug/l	98
36) 1,1-Dichloropropene	8.09	75	31583	5.68	ug/l	99
37) Ethyl Acetate	7.26	43	11929	5.86	ug/l	98
38) Carbon Tetrachloride	8.07	117	32379	5.99	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Sep 01 03:17:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	34703	4.57	ug/l	90
40) Benzene	8.33	78	96349	5.43	ug/l	98
41) Methacrylonitrile	7.49	41	6000	5.00	ug/l #	65
42) 1,2-Dichloroethane	8.41	62	25960	6.44	ug/l	99
43) Isopropyl Acetate	8.43	43	20091	5.04	ug/l	96
44) Trichloroethene	9.10	130	27059	5.92	ug/l	97
45) 1,2-Dichloropropane	9.37	63	24432	5.97	ug/l	97
46) Dibromomethane	9.46	93	11762	6.01	ug/l	97
47) Bromodichloromethane	9.65	83	30011	6.19	ug/l	99
48) Methyl methacrylate	9.45	41	8639	4.18	ug/l	96
49) 1,4-Dioxane	9.47	88	3507	88.81	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	64883	22.05	ug/l	98
52) Toluene	10.40	92	62096	4.73	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	25672	5.06	ug/l	93
54) cis-1,3-Dichloropropene	10.08	75	31410	5.27	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	18184	5.75	ug/l	99
56) Ethyl methacrylate	10.65	69	16565	4.06	ug/l	94
57) 1,3-Dichloropropane	10.94	76	28702	5.54	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	39599	22.30	ug/l	99
59) 2-Hexanone	10.98	43	43303	20.47	ug/l	96
60) Dibromochloromethane	11.13	129	19481	5.62	ug/l	99
61) 1,2-Dibromoethane	11.24	107	15742	5.36	ug/l	99
64) Tetrachloroethene	10.87	164	26561	5.57	ug/l	97
65) Chlorobenzene	11.66	112	74099	5.18	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	22577	5.70	ug/l	98
67) Ethyl Benzene	11.74	91	114904	4.69	ug/l	100
68) m/p-Xylenes	11.85	106	90221	9.06	ug/l	99
69) o-Xylene	12.17	106	41714	4.59	ug/l	97
70) Styrene	12.19	104	65576	4.35	ug/l	99
71) Bromoform	12.35	173	11563	5.28	ug/l #	99
73) Isopropylbenzene	12.47	105	106545	4.47	ug/l	99
74) N-amyl acetate	12.28	43	18249	4.13	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	19089	5.33	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	13210m	5.25	ug/l	
77) Bromobenzene	12.75	156	29695	5.08	ug/l	98
78) n-propylbenzene	12.81	91	132013	4.50	ug/l	100
79) 2-Chlorotoluene	12.90	91	80979	4.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	94190	4.49	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5227	4.76	ug/l	96
82) 4-Chlorotoluene	12.99	91	87020	4.83	ug/l	99
83) tert-Butylbenzene	13.21	119	77320	4.38	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	95428	4.47	ug/l	99
85) sec-Butylbenzene	13.39	105	117880	4.56	ug/l	99
86) p-Isopropyltoluene	13.51	119	100053	4.32	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	64209	5.21	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	65742	5.39	ug/l	96
89) n-Butylbenzene	13.83	91	97417	4.49	ug/l	98
90) Hexachloroethane	14.10	117	18347	5.02	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	56134	5.18	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3312	5.40	ug/l	88

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

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	15.15	180	36069	4.77	ug/l	99
94) Hexachlorobutadiene	15.24	225	23479	4.97	ug/l	99
95) Naphthalene	15.38	128	49021	3.99	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	31322	4.71	ug/l	98

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

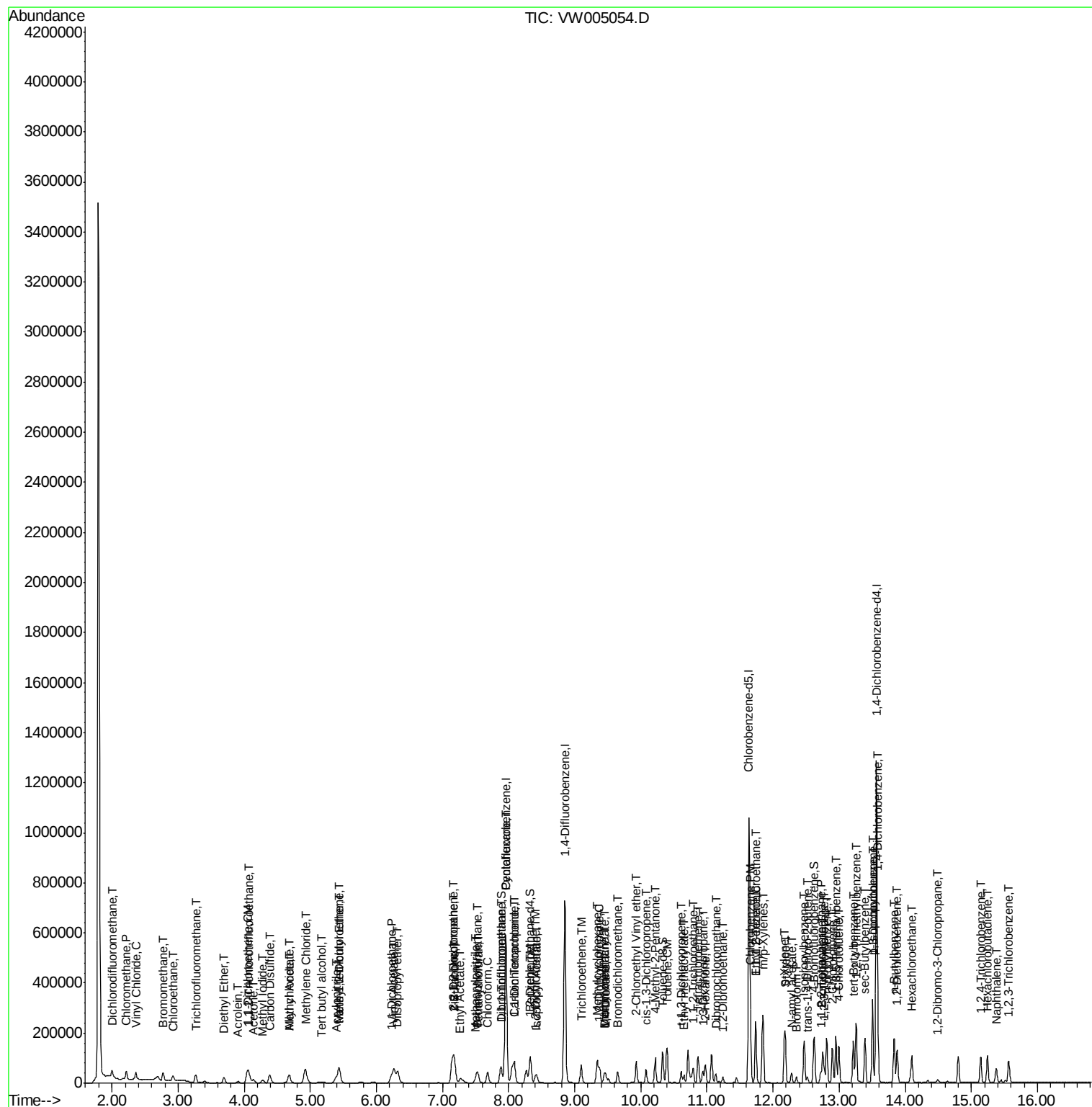
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090118\
Data File : VW005054.D
Acq On : 31 Aug 2018 23:48
Operator : SY/AP
Sample : VSTDIC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

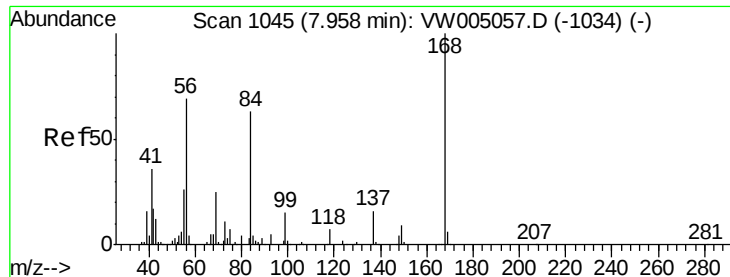
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Manual Integrations
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Quant Time: Sep 01 03:17:03 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090118S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 01 03:06:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 433647

Ion Ratio Lower Upper

168 100

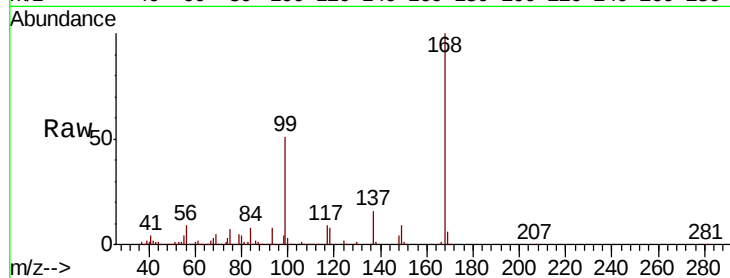
99 50.9 39.4 59.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

200000

150000

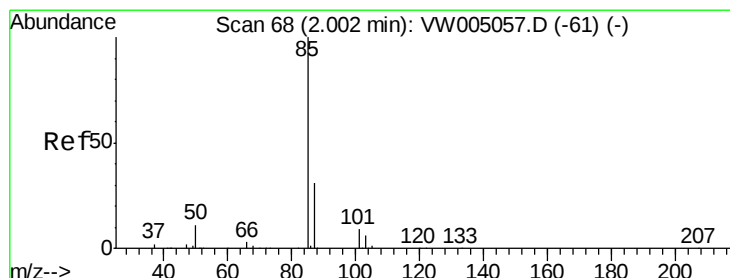
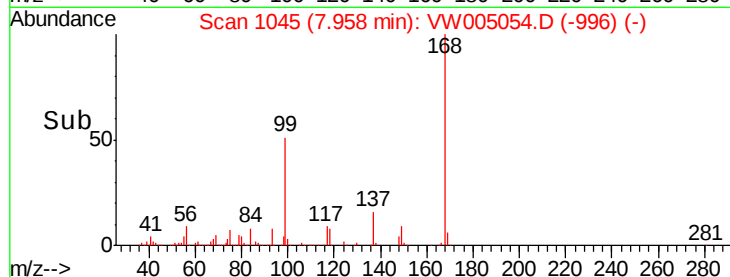
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 5.22 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005054.D

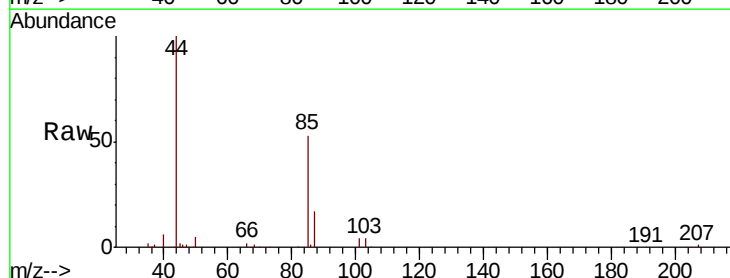
Acq: 31 Aug 2018 23:48

Tgt Ion: 85 Resp: 19471

Ion Ratio Lower Upper

85 100

87 32.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

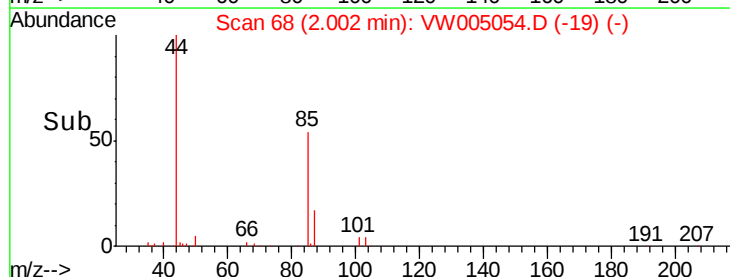
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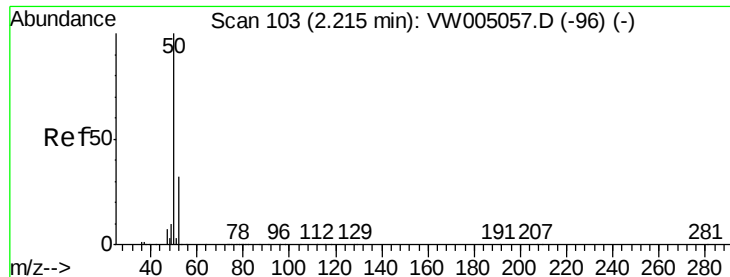
5000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 5.34 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 28489

Ion Ratio Lower Upper

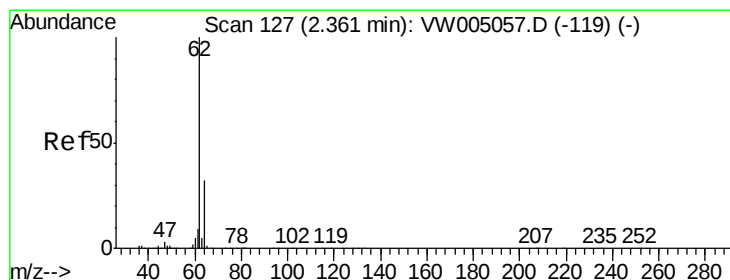
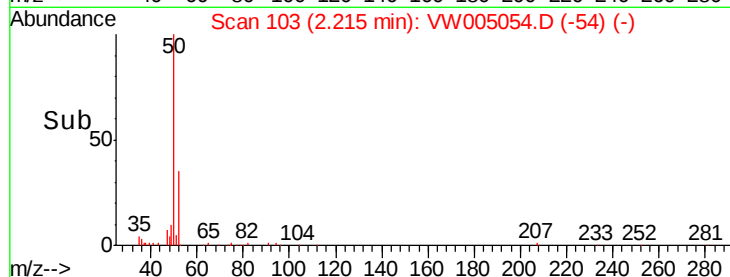
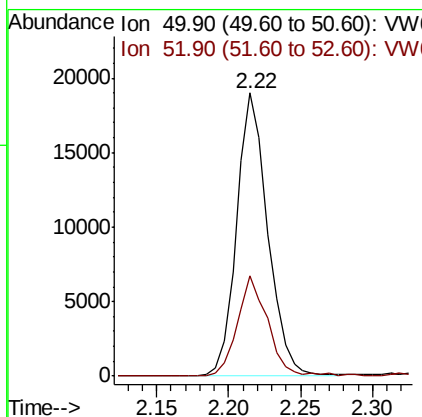
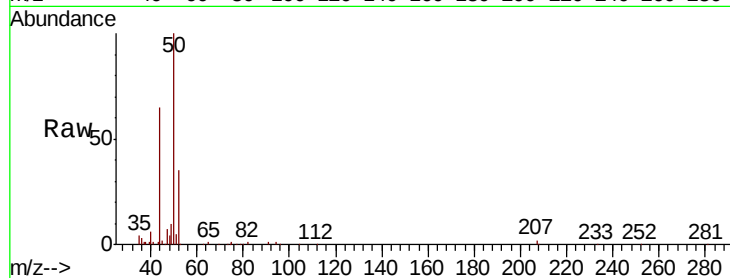
50 100

52 35.5 25.8 38.6

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#4

Vinyl Chloride

Concen: 5.12 ug/l

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW005054.D

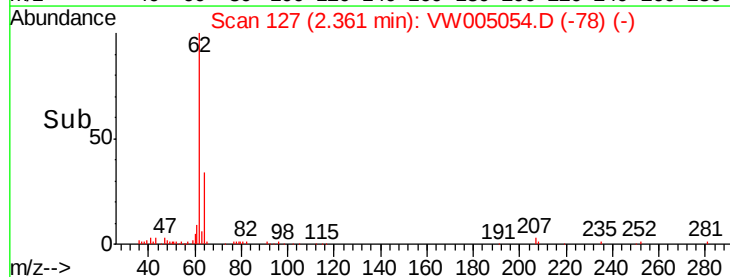
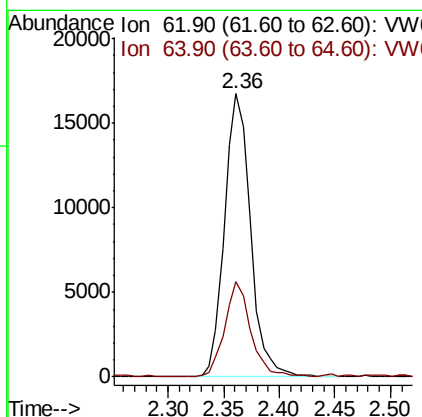
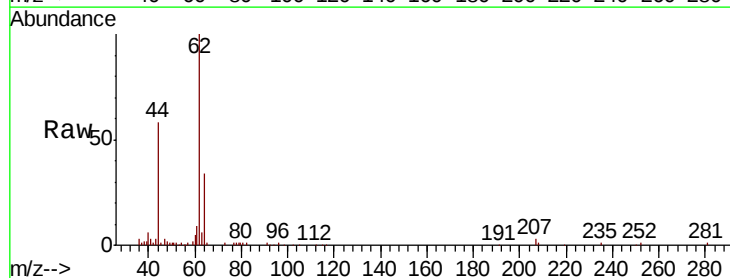
Acq: 31 Aug 2018 23:48

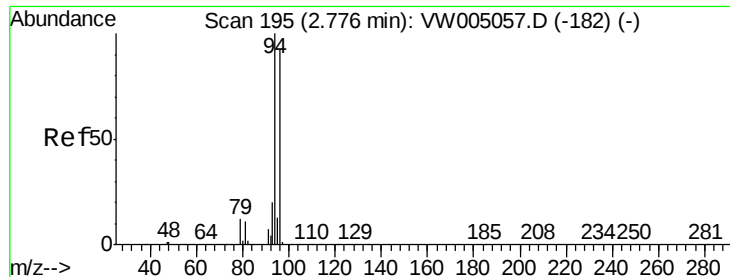
Tgt Ion: 62 Resp: 27149

Ion Ratio Lower Upper

62 100

64 33.7 25.6 38.4





#5

Bromomethane

Concen: 6.26 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 21856

Ion Ratio Lower Upper

94 100

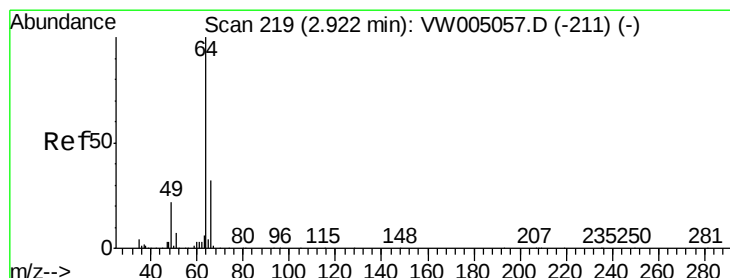
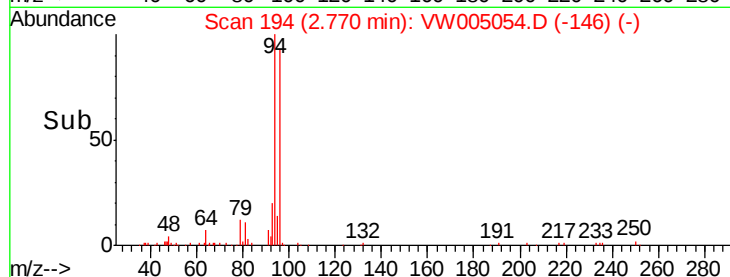
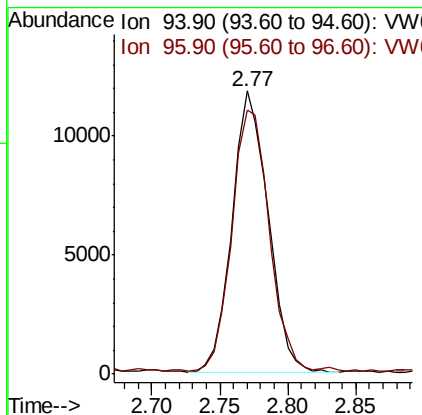
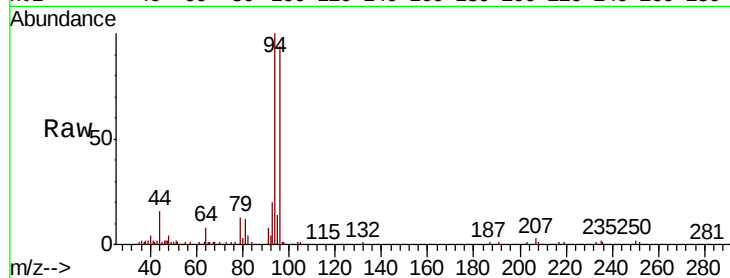
96 93.0 73.2 109.8

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#6

Chloroethane

Concen: 5.43 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW005054.D

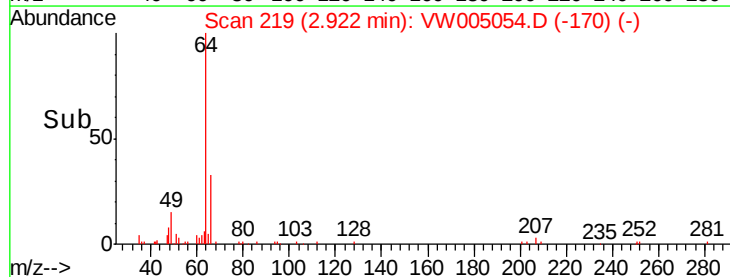
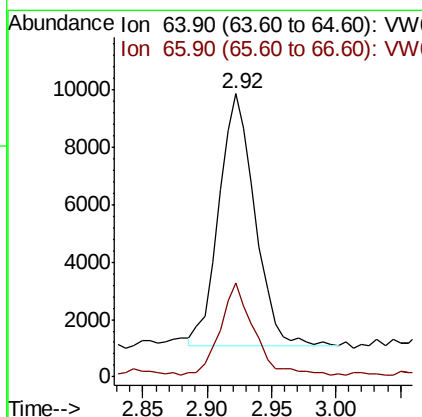
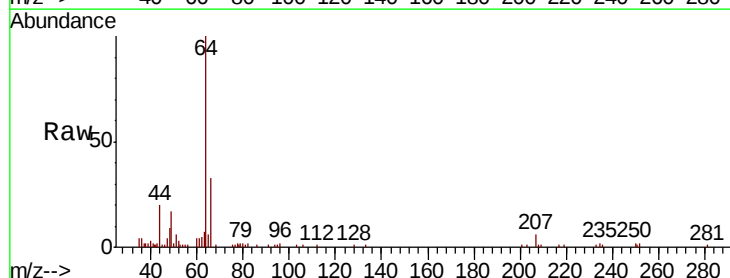
Acq: 31 Aug 2018 23:48

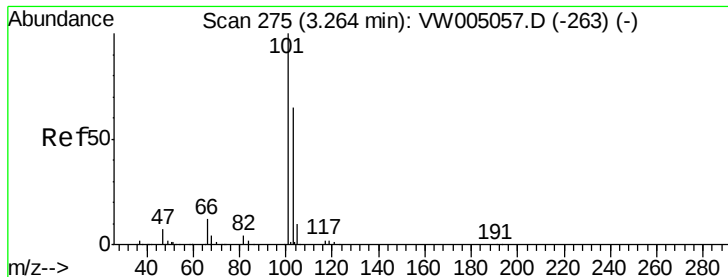
Tgt Ion: 64 Resp: 17199

Ion Ratio Lower Upper

64 100

66 36.0 25.7 38.5





#7

Trichlorofluoromethane

Concen: 5.69 ug/l

RT: 3.27 min Scan# 276

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 31315

Ion Ratio Lower Upper

101 100

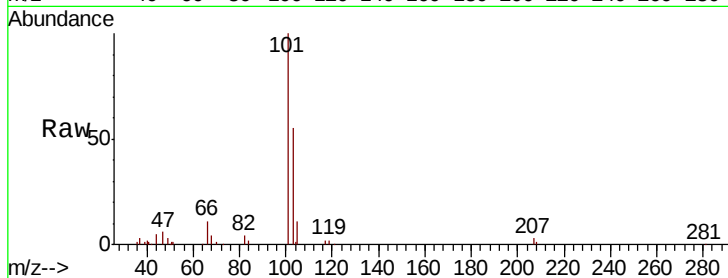
103 54.8 51.9 77.9

Manual Integrations

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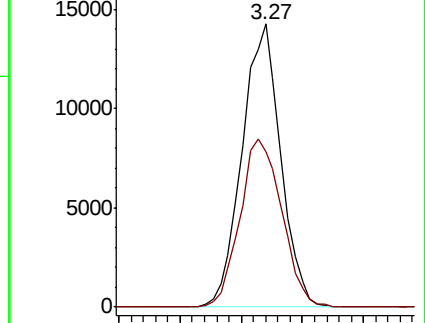
apatel

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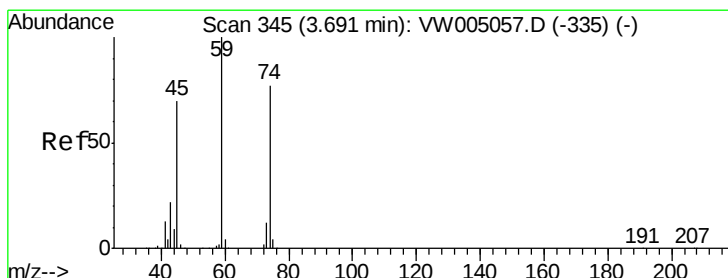
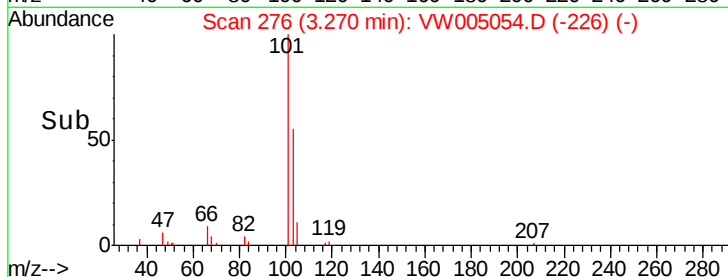


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



Time-->



#8

Diethyl Ether

Concen: 6.65 ug/l

RT: 3.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VW005054.D

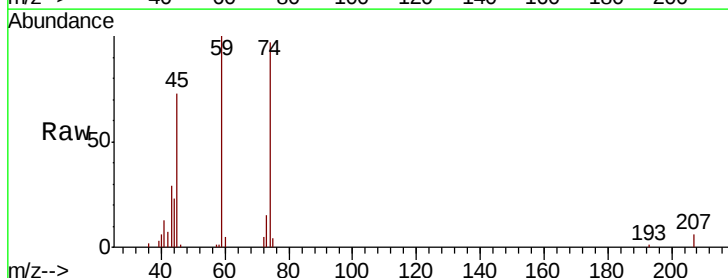
Acq: 31 Aug 2018 23:48

Tgt Ion: 74 Resp: 10858

Ion Ratio Lower Upper

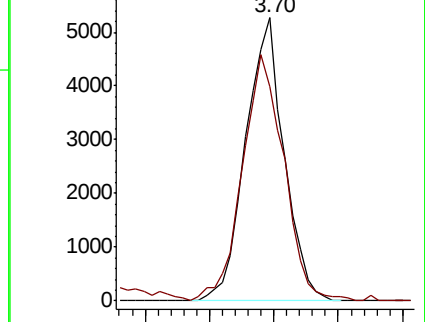
74 100

45 94.2 46.0 137.8

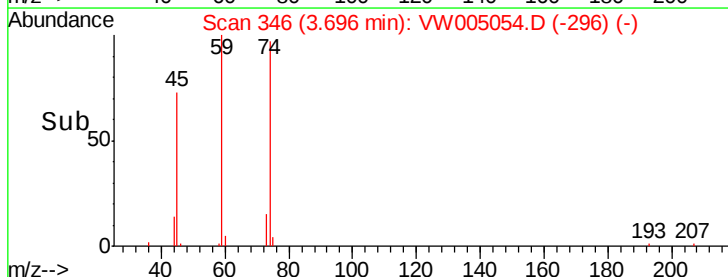


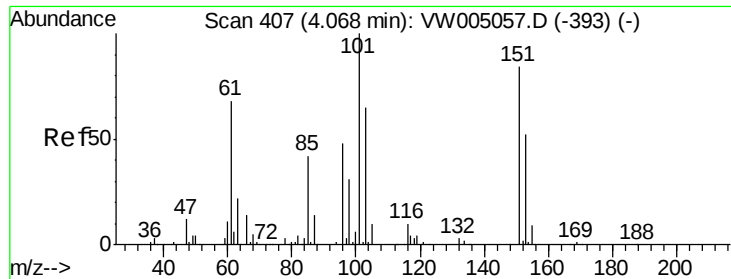
Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.41 ug/l

RT: 4.07 min Scan# 408

Delta R.T. 0.01 min

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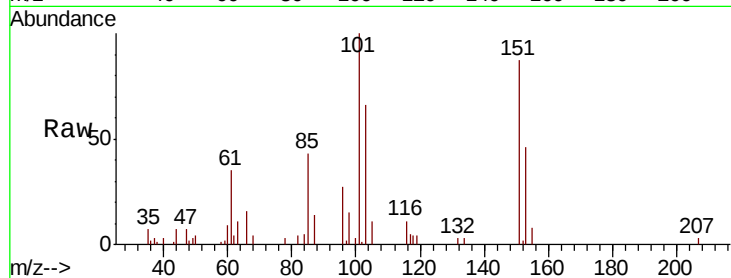
ClientSampleId :

VSTDIC005

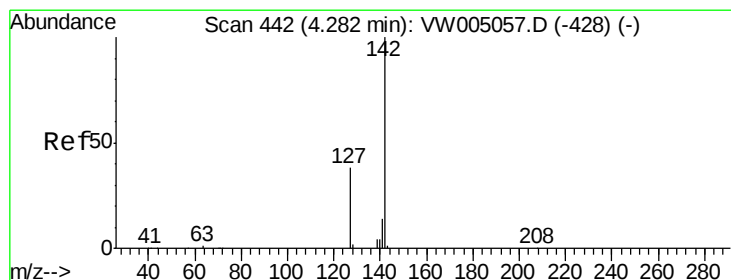
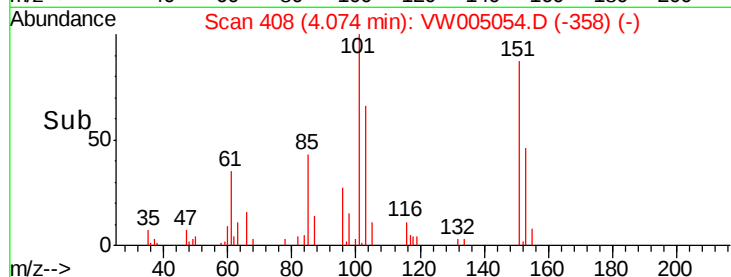
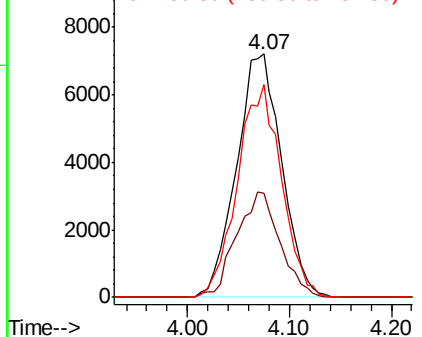
Tot Ion:	101	Resp:	22173
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.0	49.6
151	84.9	67.0	100.6

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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: 3.70 ug/l

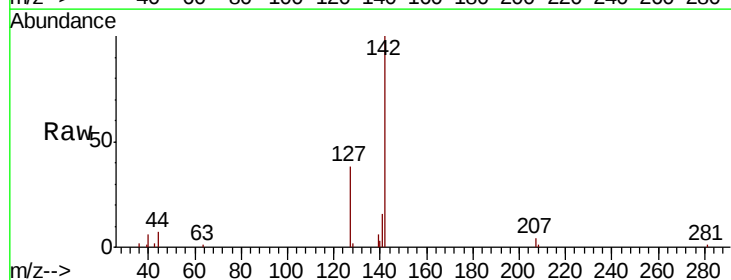
RT: 4.28 min Scan# 442

Delta R.T. -0.00 min

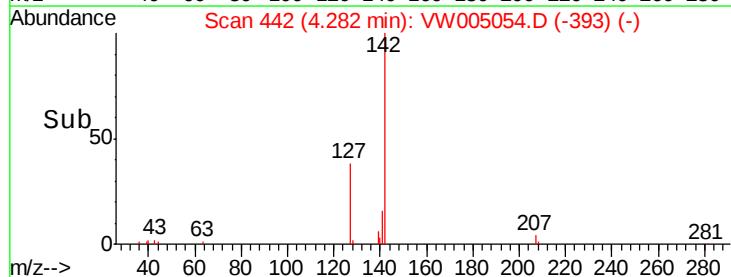
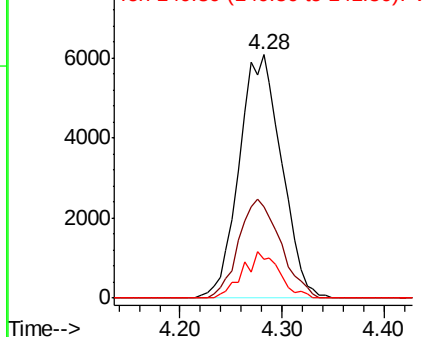
Lab File: VW005054.D

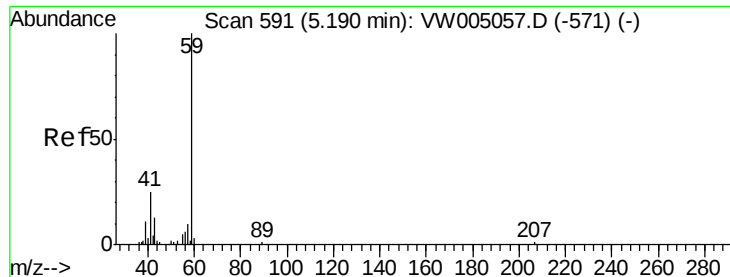
Acq: 31 Aug 2018 23:48

Tgt Ion:	142	Resp:	17556
Ion Ratio	Lower	Upper	
142	100		
127	39.9	30.8	46.2
141	16.2	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

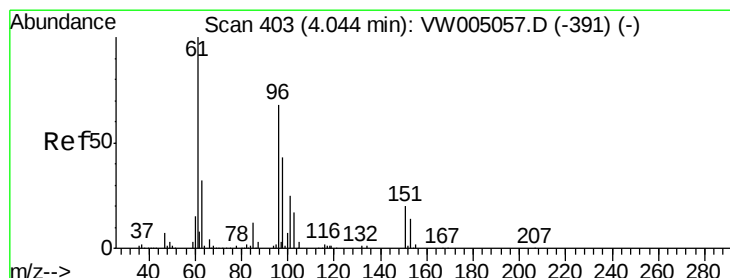
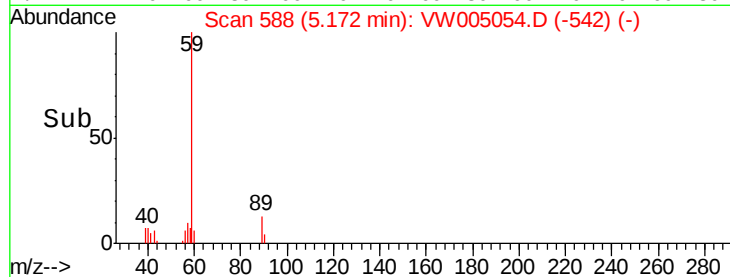
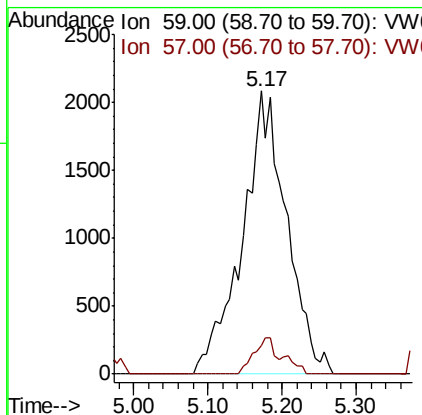
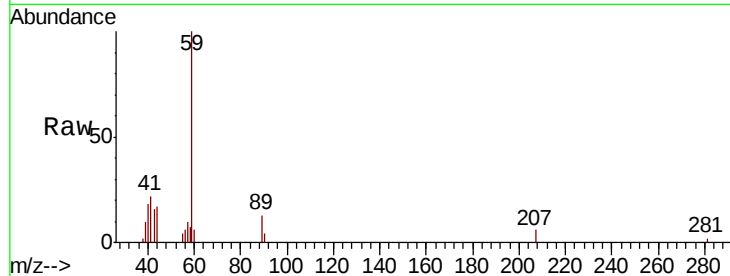
Tert butyl alcohol
 Concen: 39.15 ug/l
 RT: 5.17 min Scan# 588
 Delta R.T. -0.02 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		8687		
57	6.1		8.6	12.8	

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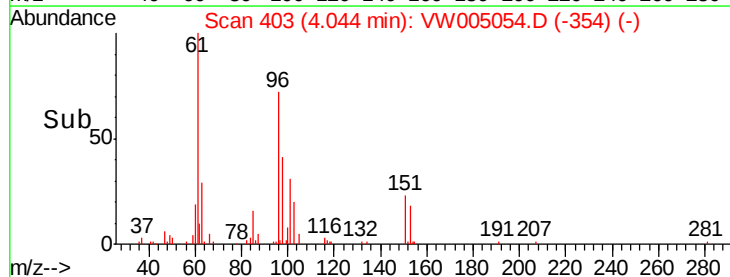
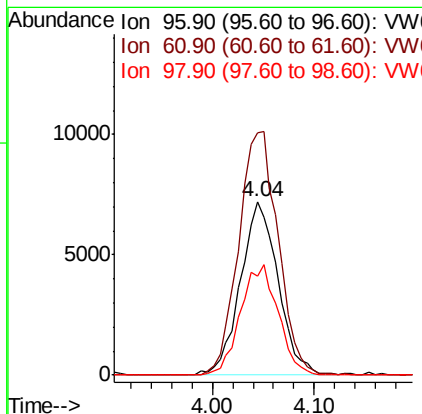
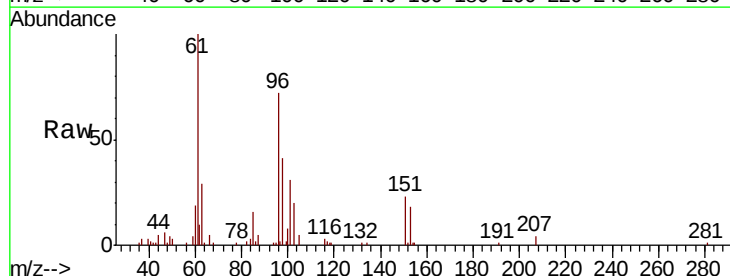
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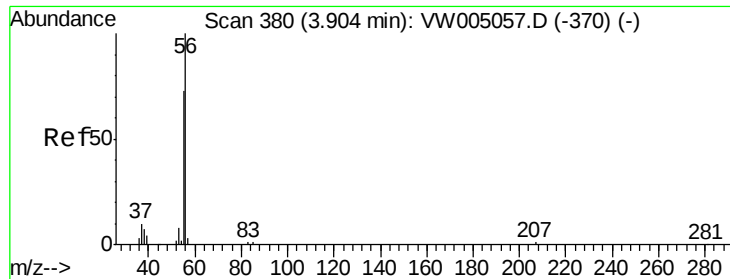


#12

1,1-Dichloroethene
 Concen: 5.75 ug/l
 RT: 4.04 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		18519		
61	139.6		117.4	176.0	
98	57.3		51.0	76.4	





#13

Acrolein

Concen: 26.15 ug/l

RT: 3.90 min Scan# 380

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6455

Ion Ratio Lower Upper

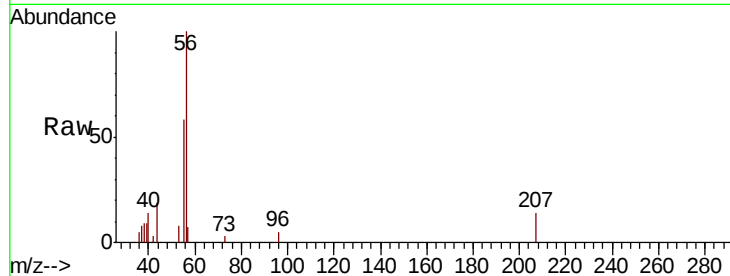
56 100

55 72.3 58.1 87.1

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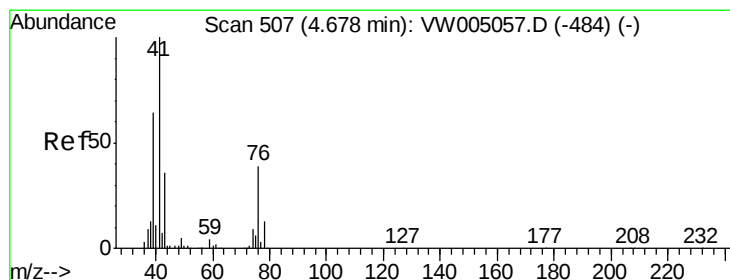
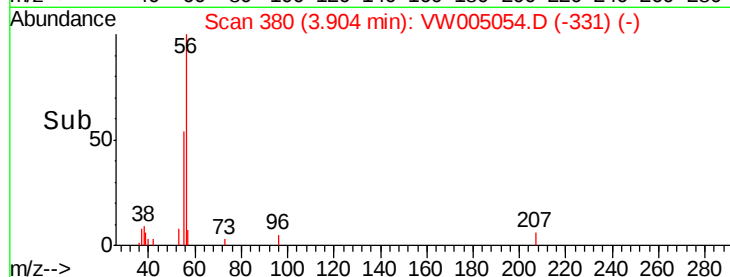
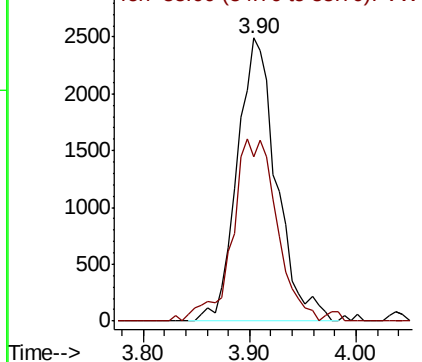
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 5.50 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

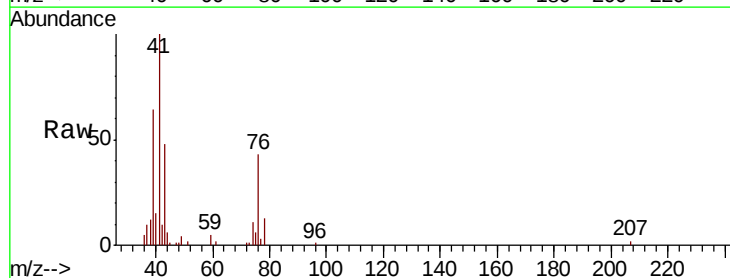
Tgt Ion: 41 Resp: 27389

Ion Ratio Lower Upper

41 100

39 63.2 49.4 74.2

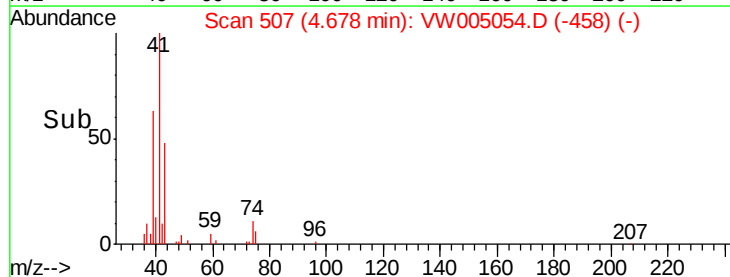
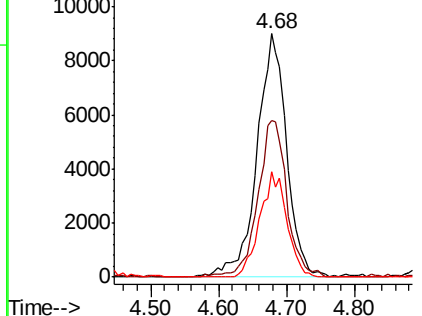
76 38.9 31.8 47.6

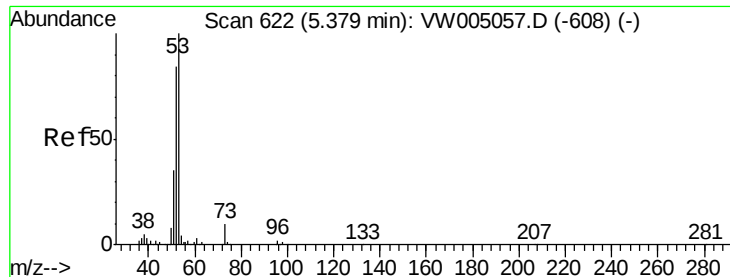


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 27.08 ug/l

RT: 5.39 min Scan# 623

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

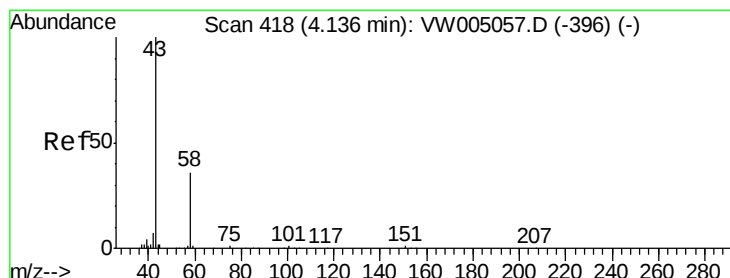
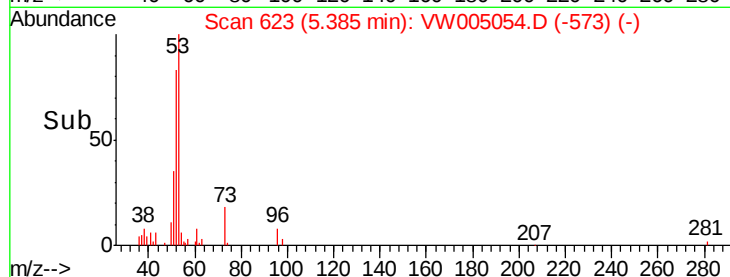
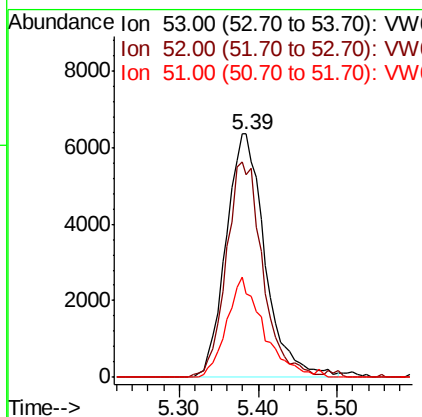
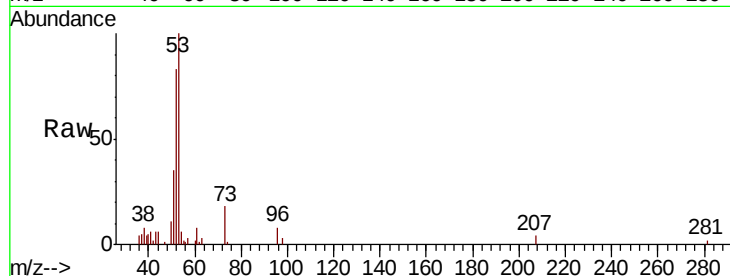
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	21835
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.7	98.5
51	38.6	28.8	43.2

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#16

Acetone

Concen: 30.56 ug/l

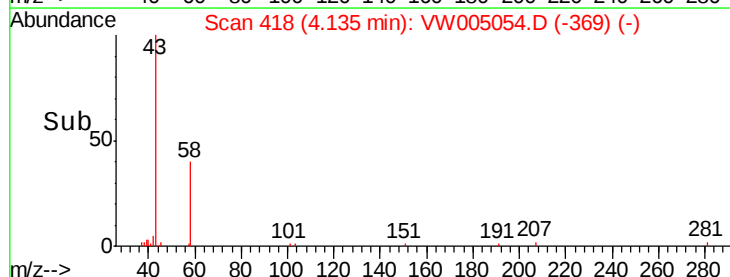
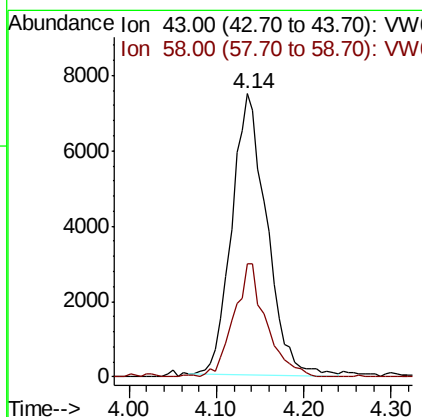
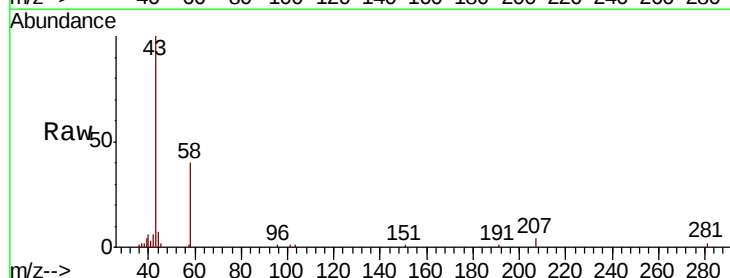
RT: 4.14 min Scan# 418

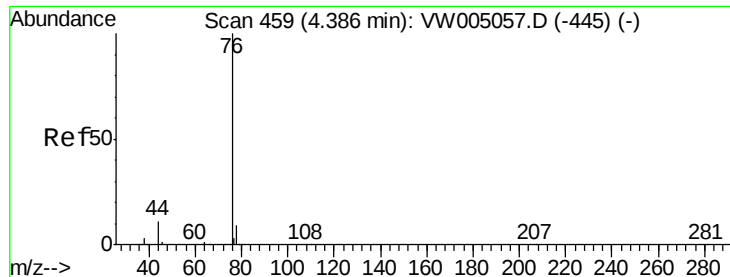
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	43	Resp:	20767
Ion	Ratio	Lower	Upper
43	100		
58	40.2	29.0	43.6





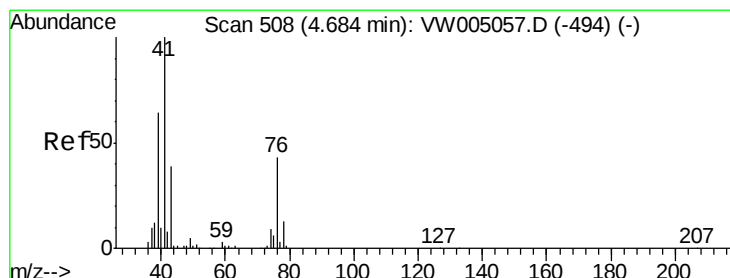
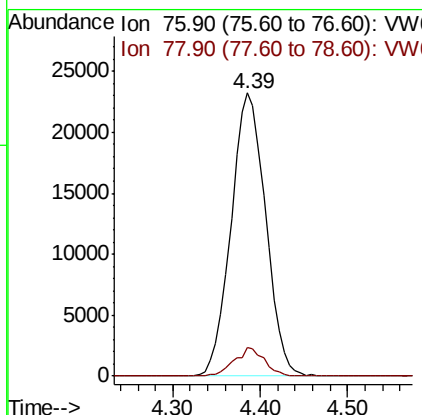
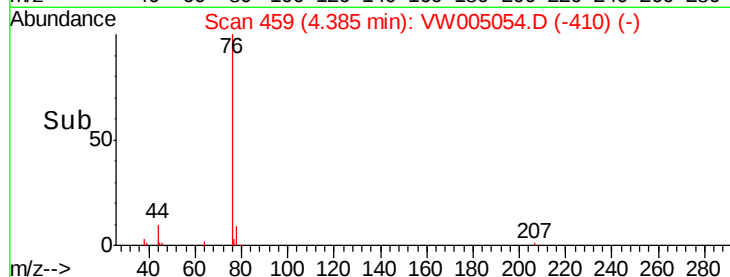
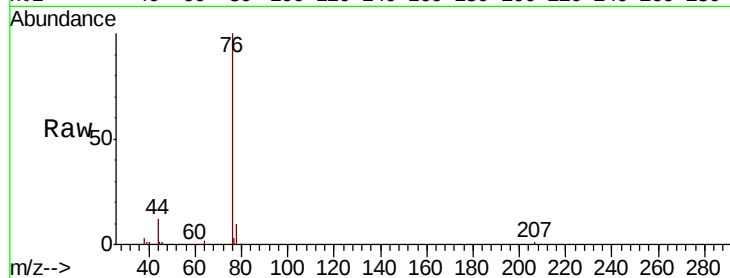
#17
Carbon Disulfide
Concen: 4.85 ug/l
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.3	10.9

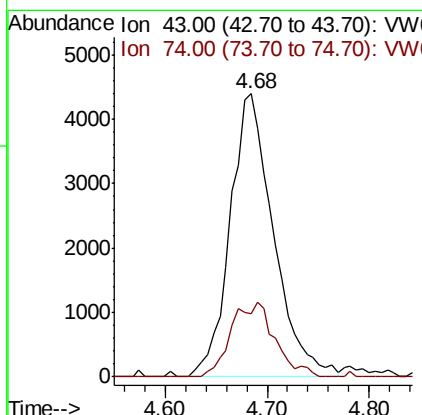
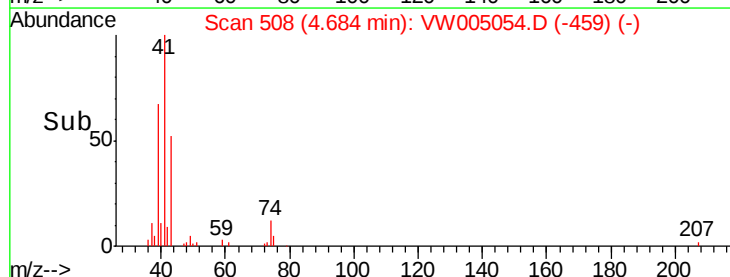
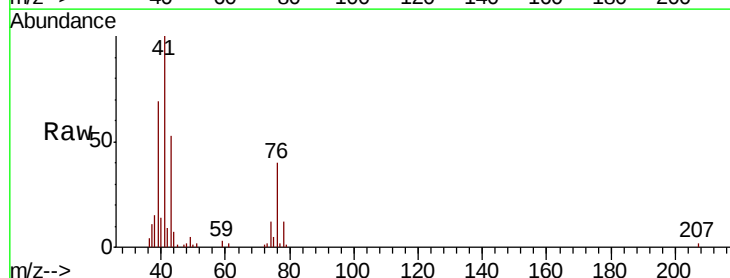
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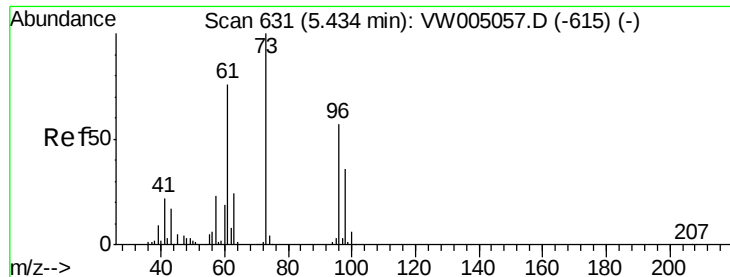
apatel
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#18
Methyl Acetate
Concen: 7.66 ug/l
RT: 4.68 min Scan# 508
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	20.7	31.1





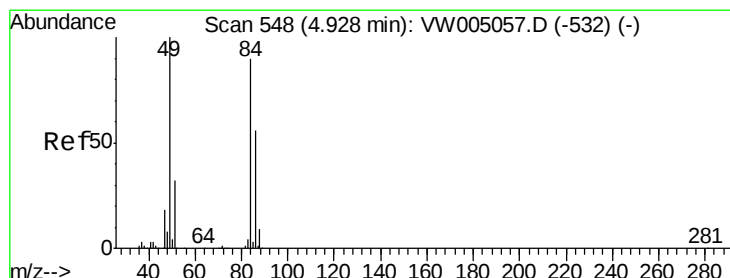
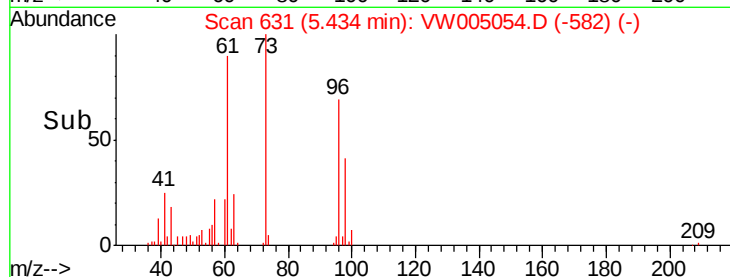
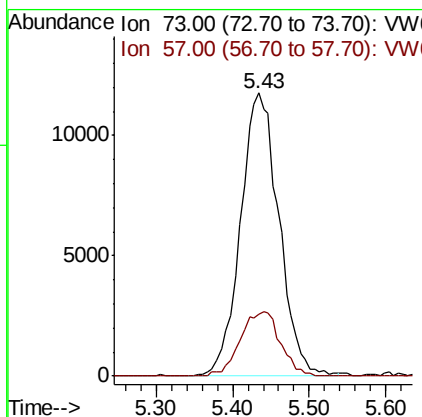
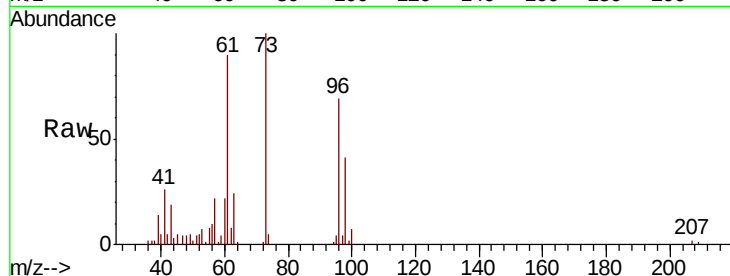
#19
Methvl tert-butvl Ether
Concen: 5.80 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 41082
Ion Ratio Lower Upper
73 100
57 22.1 18.1 27.1

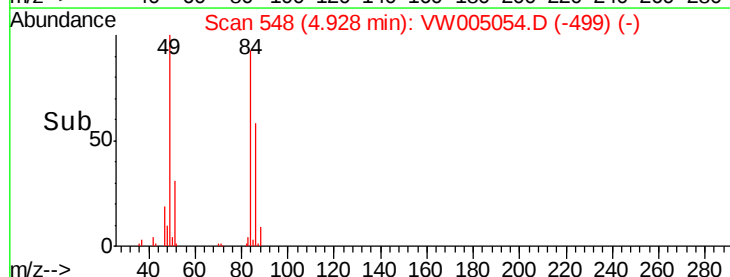
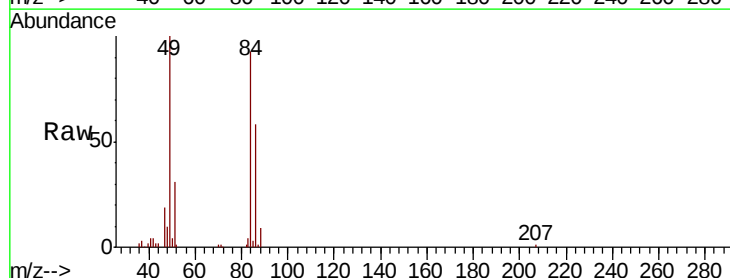
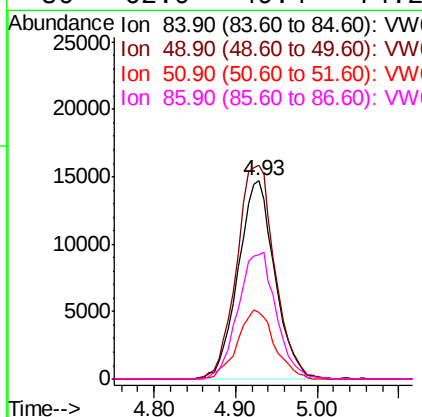
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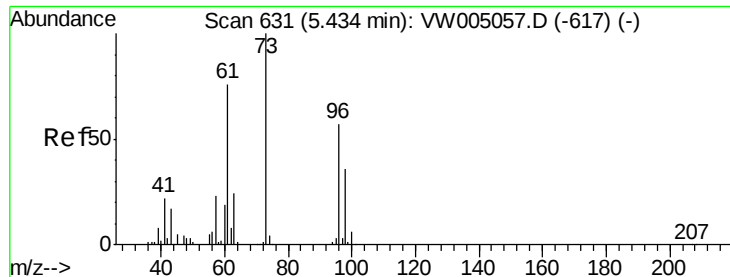
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#20
Methylene Chloride
Concen: 8.09 ug/l
RT: 4.93 min Scan# 548
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion: 84 Resp: 45977
Ion Ratio Lower Upper
84 100
49 107.8 88.7 133.1
51 33.6 28.6 42.8
86 62.9 49.4 74.2





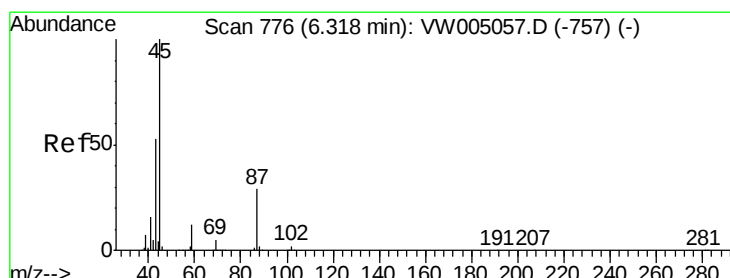
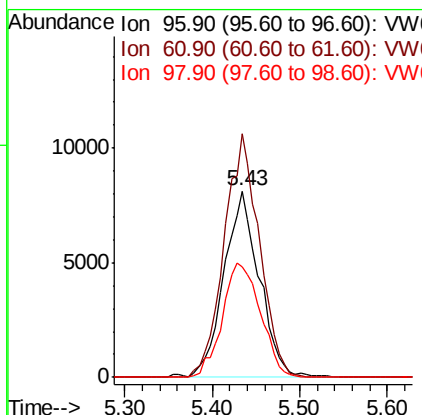
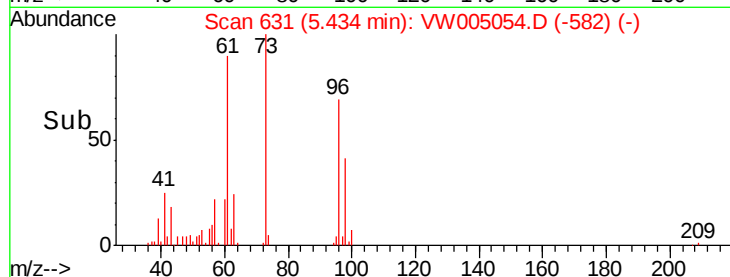
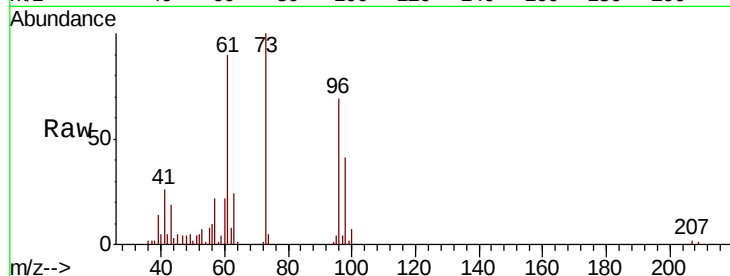
#21
trans-1,2-Dichloroethene
Concen: 6.37 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	106.3	159.5
98	59.0	50.9	76.3

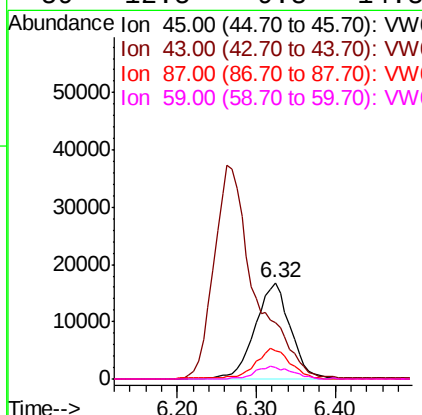
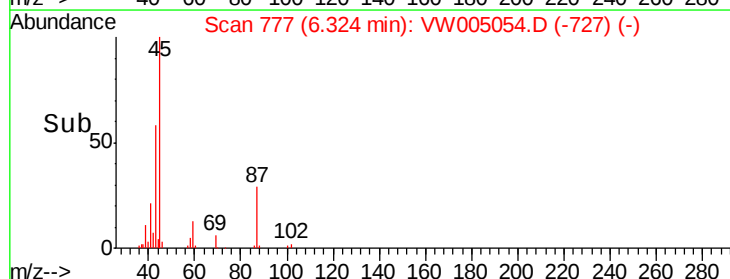
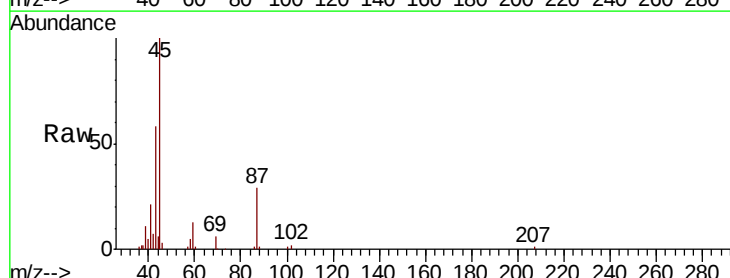
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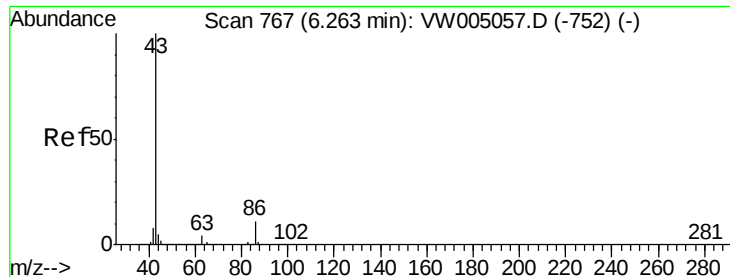
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#22
Diisopropyl ether
Concen: 5.10 ug/l
RT: 6.32 min Scan# 777
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.1	42.6	63.8
87	29.2	23.6	35.4
59	12.5	9.8	14.8





#23

Vinyl Acetate

Concen: 25.62 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 134492

Ion Ratio Lower Upper

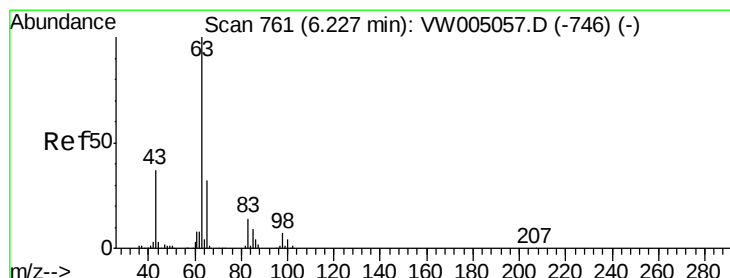
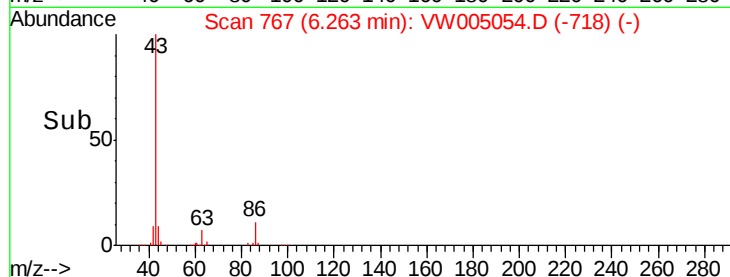
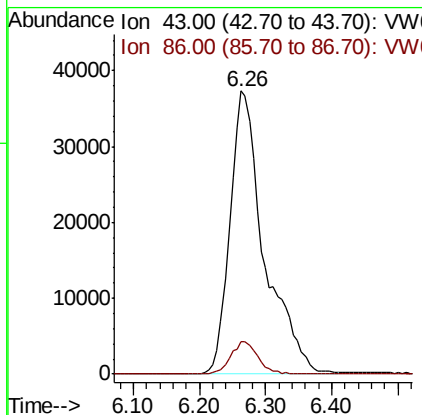
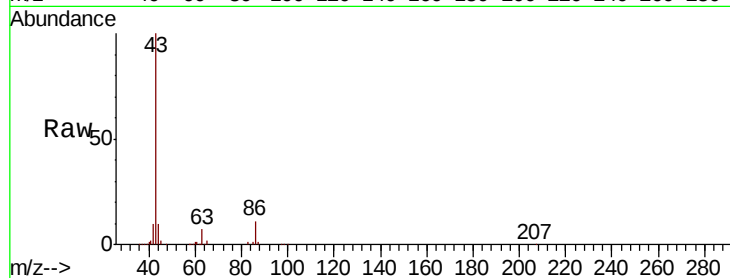
43 100

86 11.5 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 6.32 ug/l

RT: 6.23 min Scan# 761

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

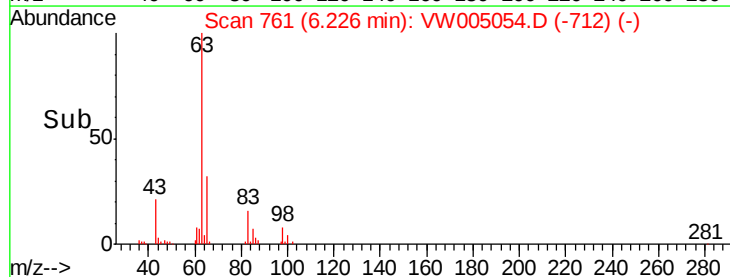
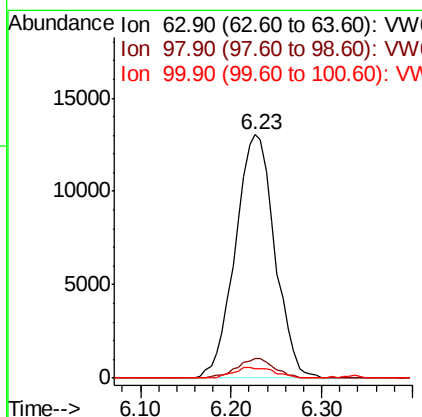
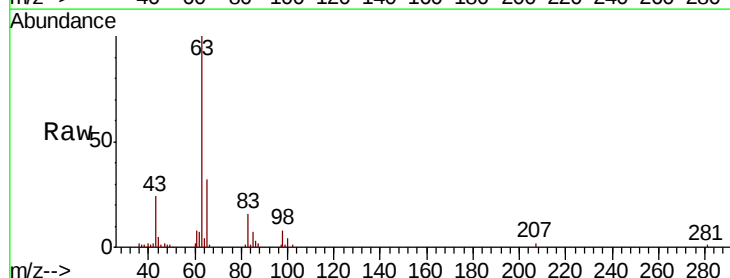
Tgt Ion: 63 Resp: 39247

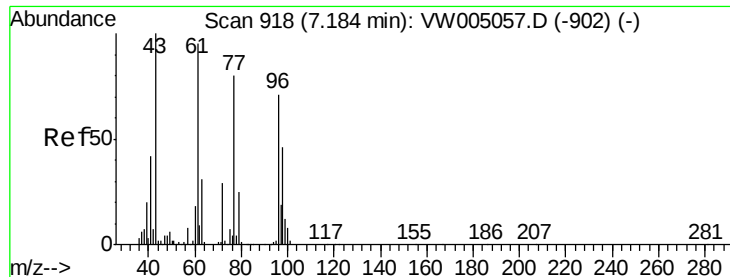
Ion Ratio Lower Upper

63 100

98 7.8 3.6 10.8

100 4.0 2.2 6.6





#25

2-Butanone

Concen: 32.76 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 35186

Ion Ratio Lower Upper

43 100

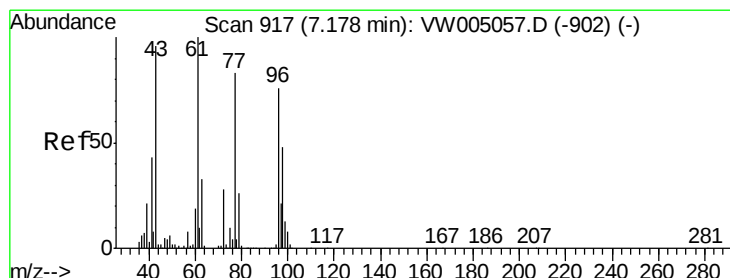
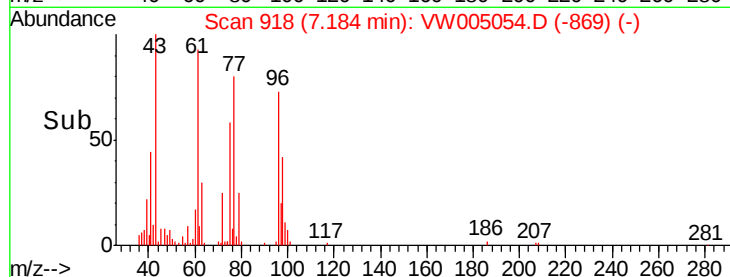
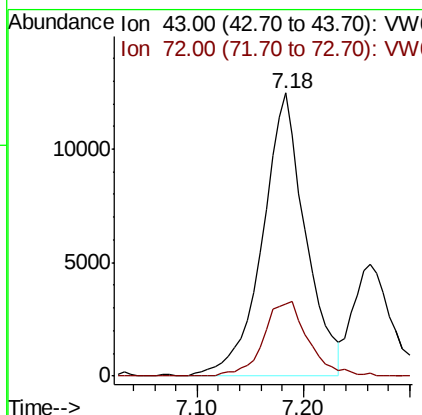
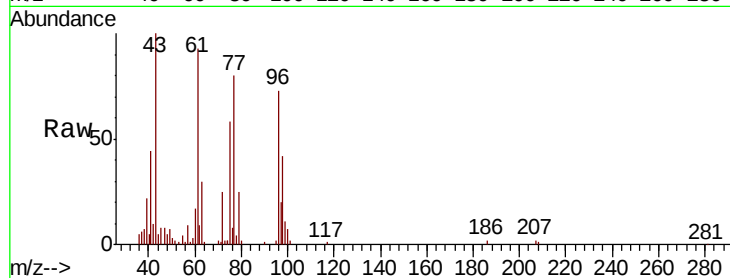
72 25.5 23.1 34.7

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#26

2,2-Dichloropropane

Concen: 6.84 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW005054.D

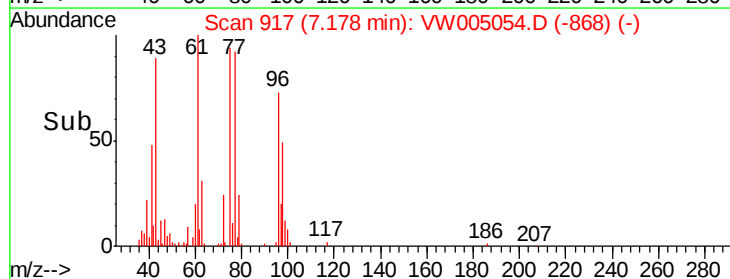
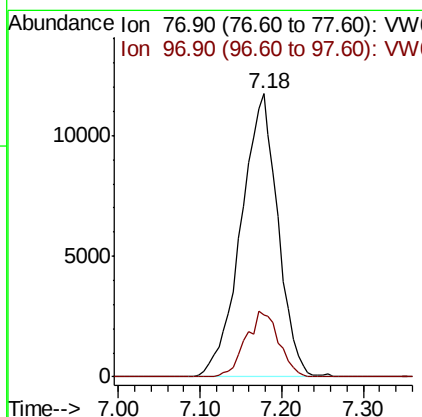
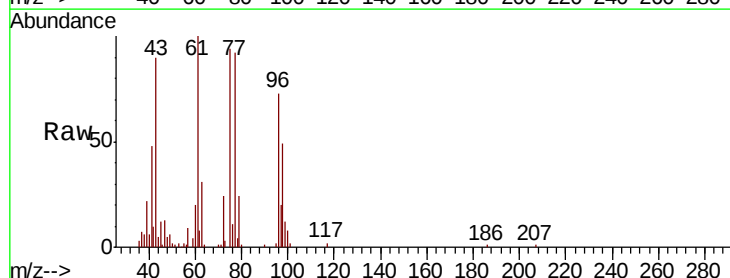
Acq: 31 Aug 2018 23:48

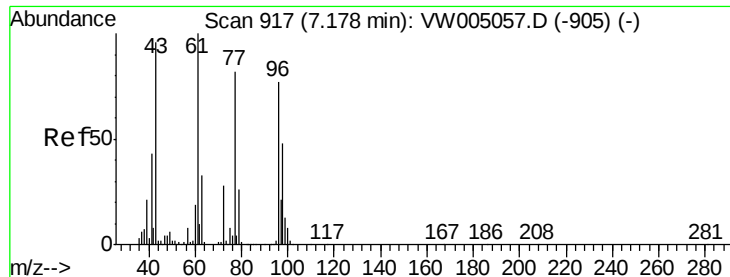
Tgt Ion: 77 Resp: 36846

Ion Ratio Lower Upper

77 100

97 20.7 12.2 36.6





#27

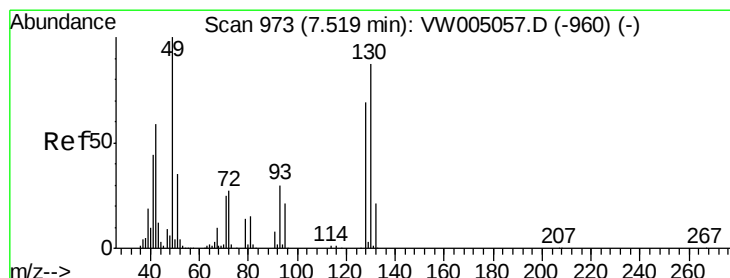
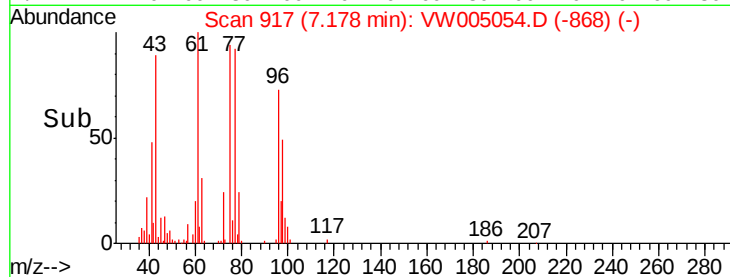
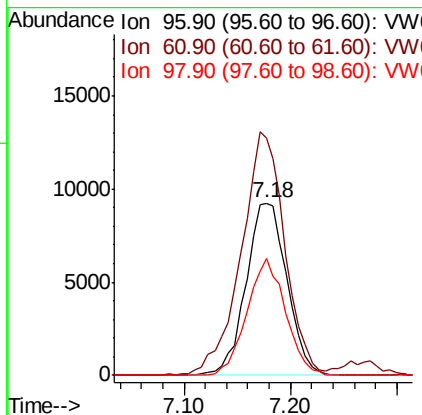
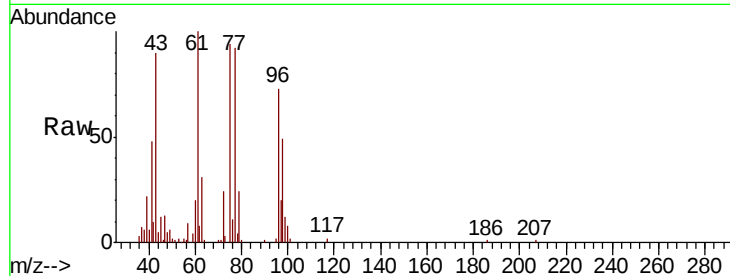
cis-1,2-Dichloroethene
 Concen: 6.37 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	0.0	273.2
98	63.7	0.0	127.8

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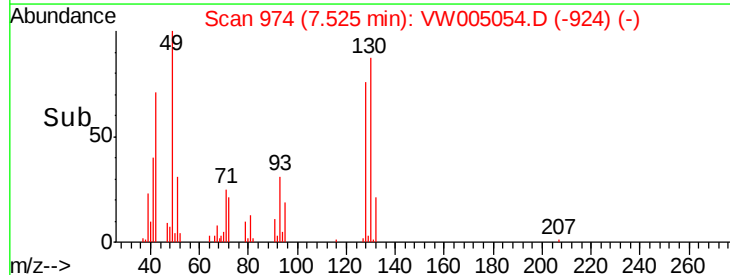
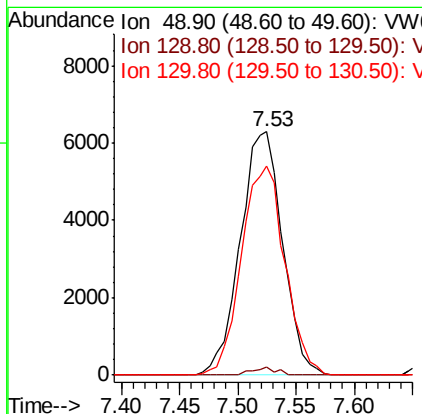
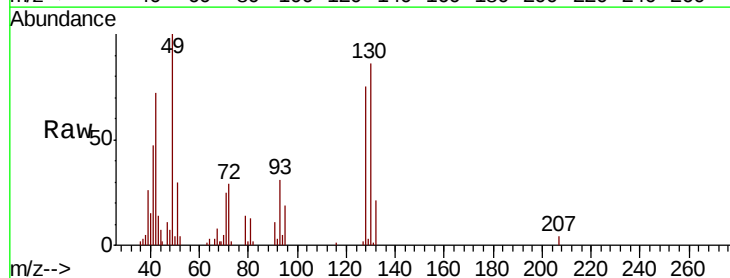
apatel
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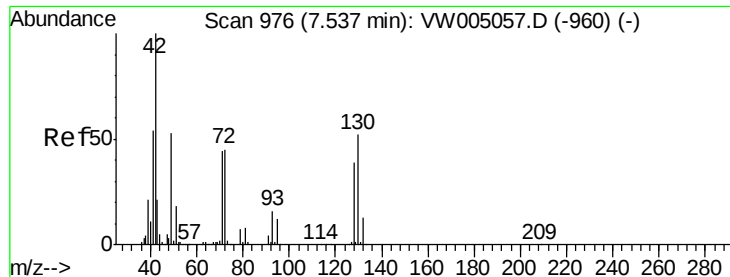


#28

Bromochloromethane
 Concen: 5.98 ug/l
 RT: 7.53 min Scan# 974
 Delta R.T. 0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	87.8	69.6	104.4





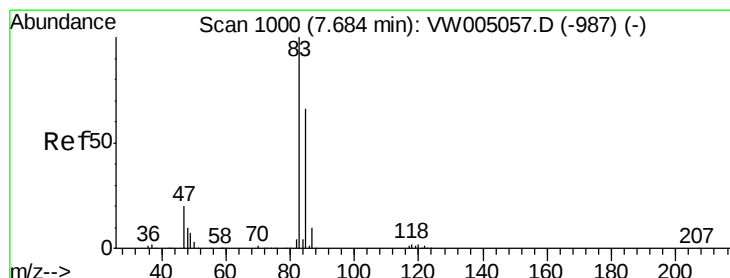
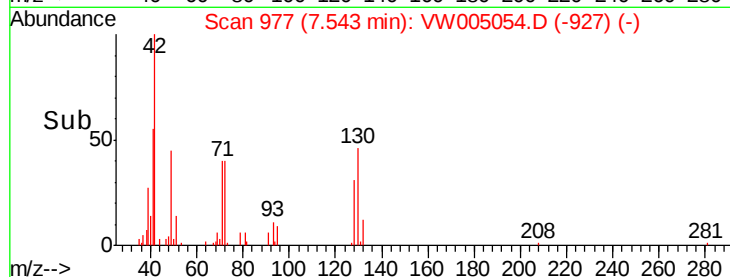
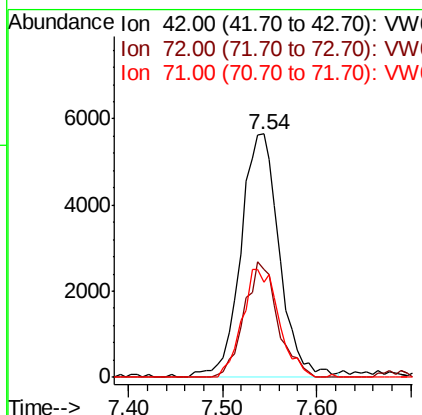
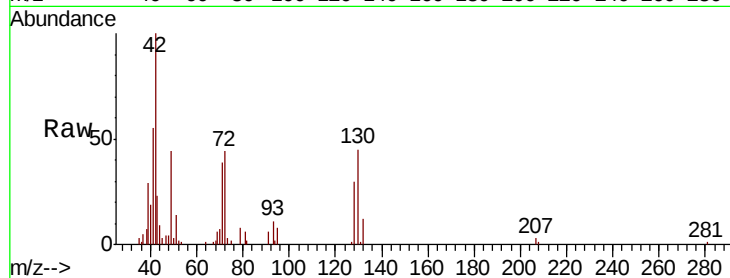
#29
Tetrahydrofuran
Concen: 29.57 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	37.0	55.4
71	42.0	35.0	52.6

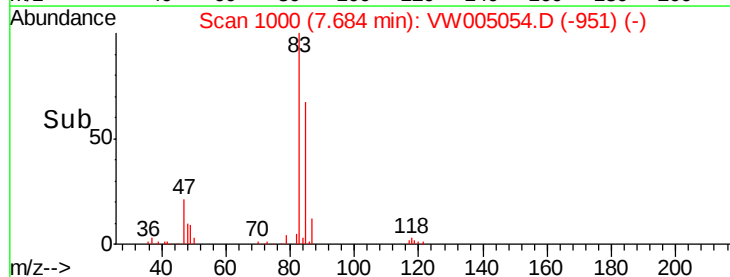
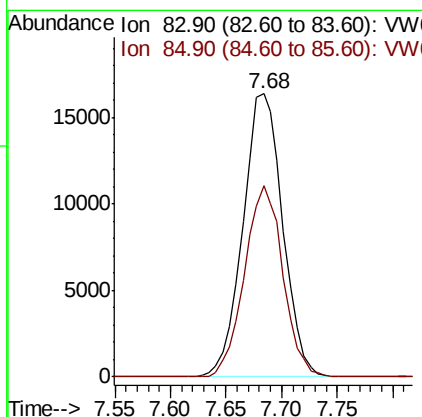
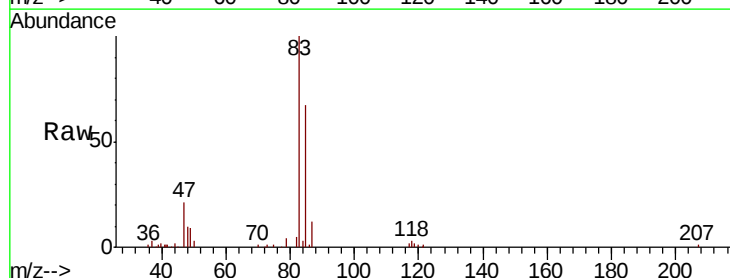
Manual Integrations
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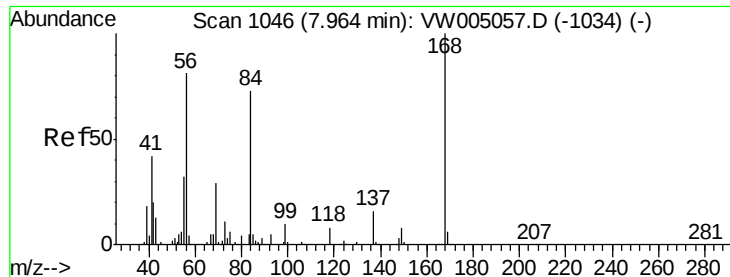
apatel
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#30
Chloroform
Concen: 6.60 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.1	79.7





#31

Cyclohexane

Concen: 6.25 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

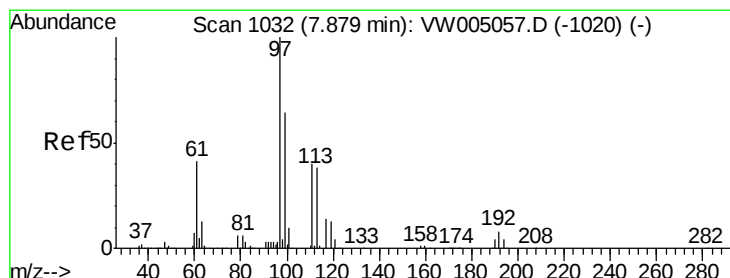
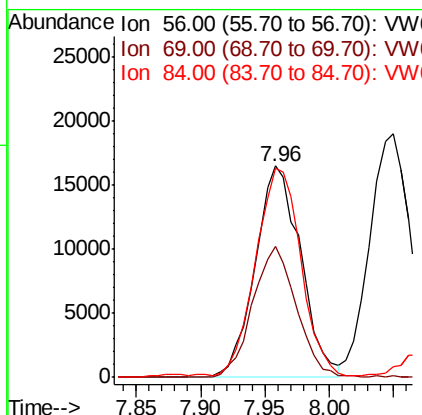
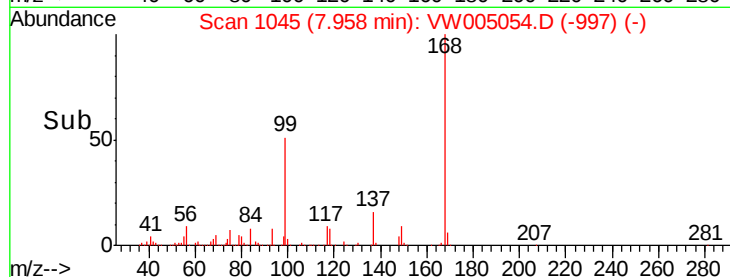
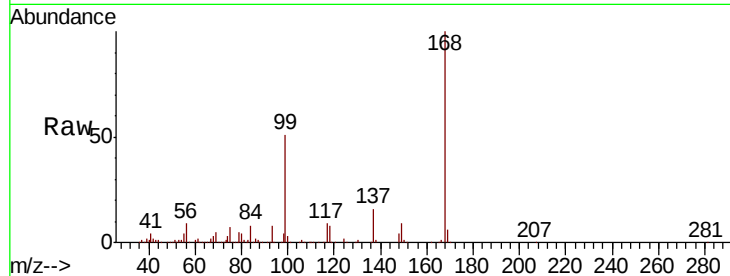
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	40388
Ion	Ratio	Lower	Upper
56	100		
69	62.2	28.2	42.2#
84	97.9	71.8	107.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 6.38 ug/l

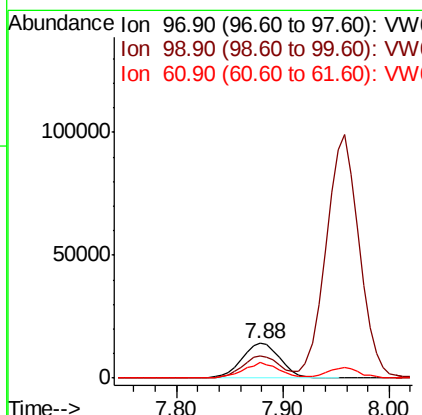
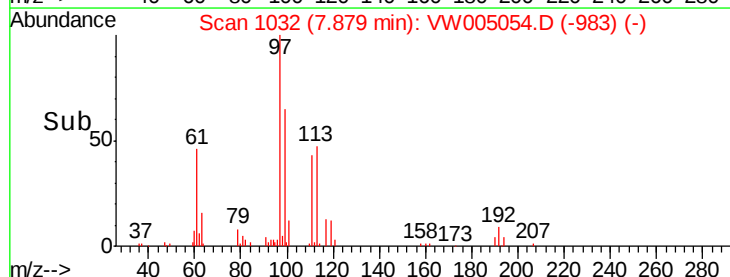
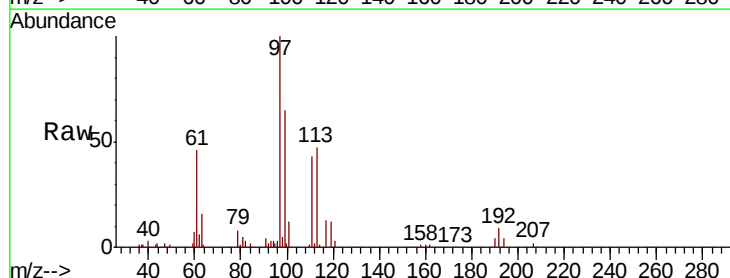
RT: 7.88 min Scan# 1032

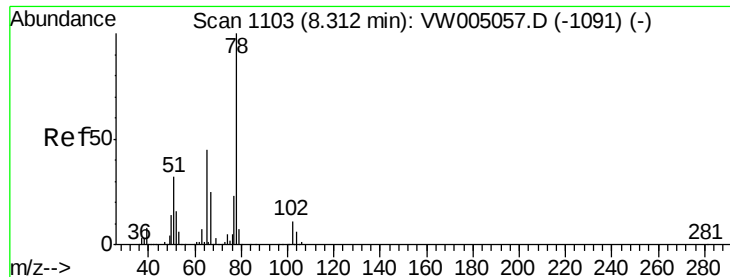
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	97	Resp:	35741
Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.8	77.8
61	40.9	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 6.94 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 21146

Ion Ratio Lower Upper

65 100

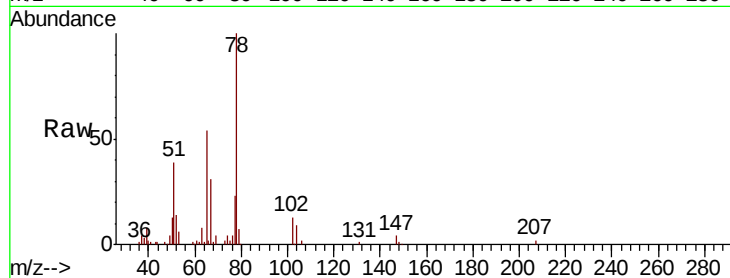
67 54.6 0.0 109.4

Manual Integrations

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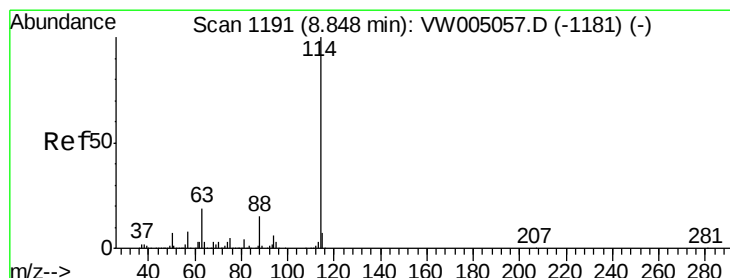
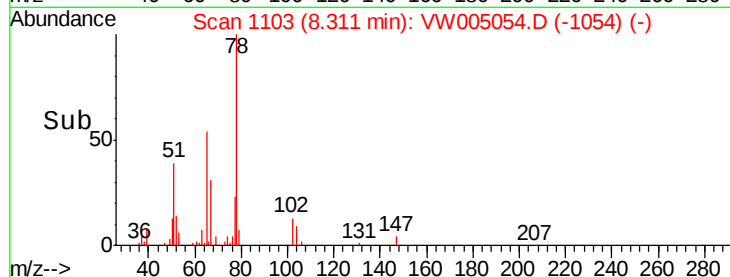
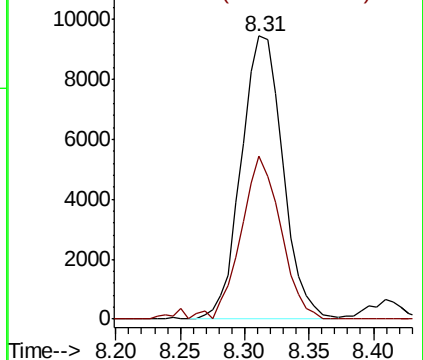
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

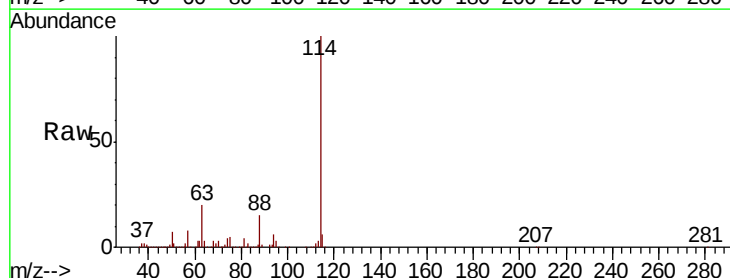
Tgt Ion: 114 Resp: 645676

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

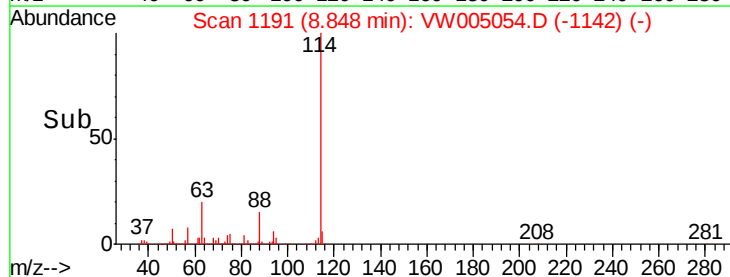
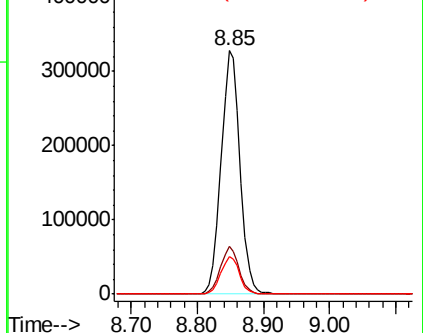
88 15.2 0.0 30.2

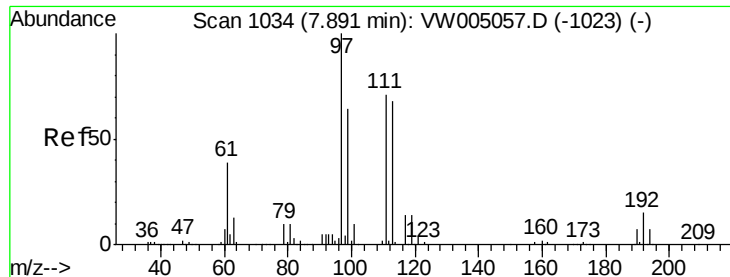


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





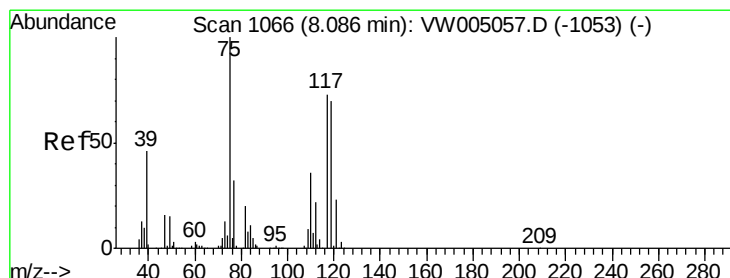
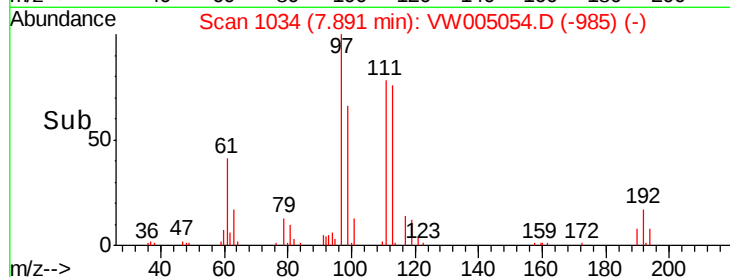
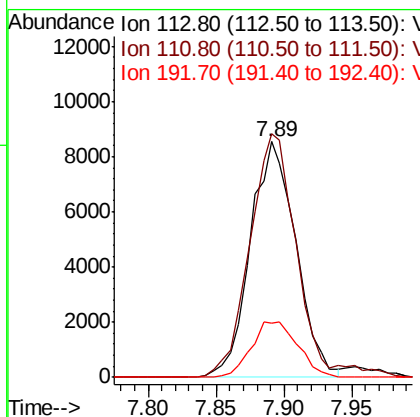
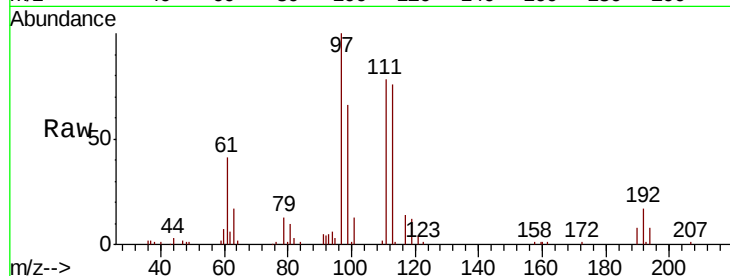
#35
Dibromofluoromethane
Concen: 6.11 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.8	82.2	123.2
192	24.0	18.1	27.1

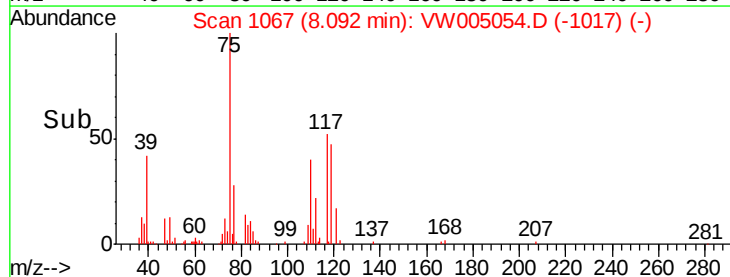
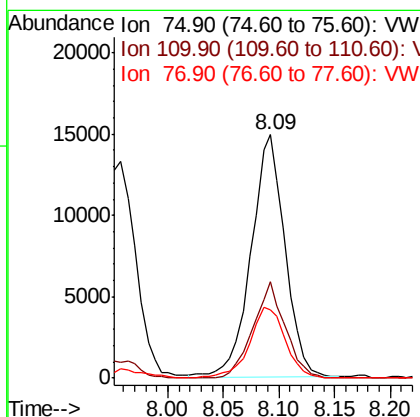
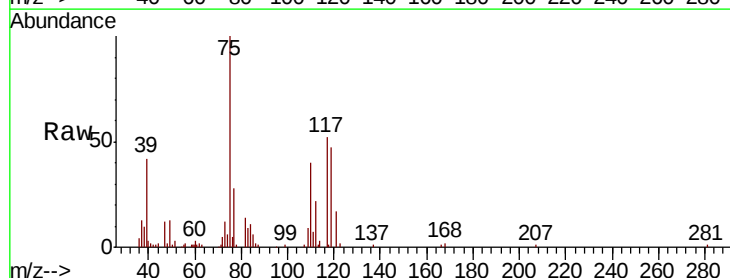
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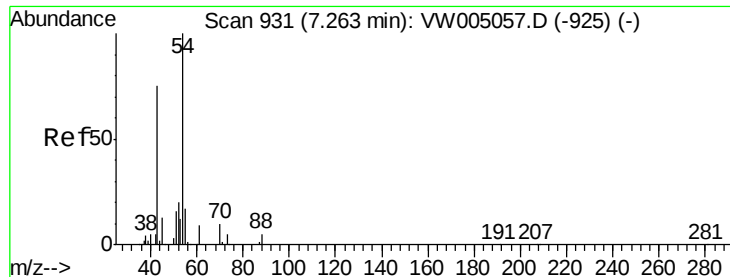
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#36
1,1-Dichloropropene
Concen: 5.68 ug/l
RT: 8.09 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.9	56.7
77	30.8	25.5	38.3





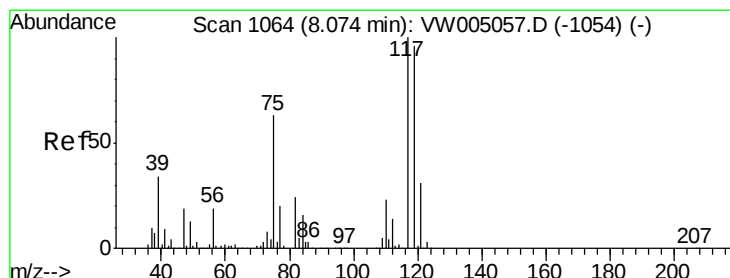
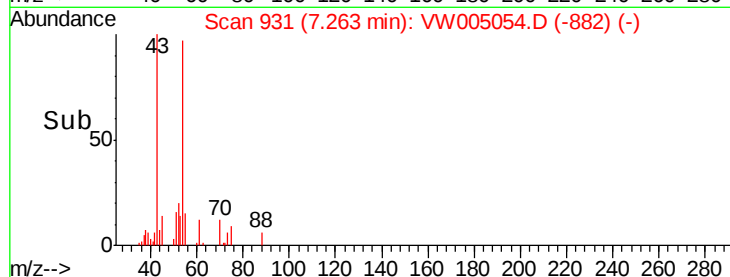
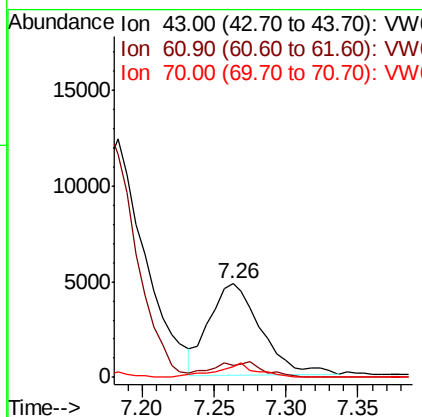
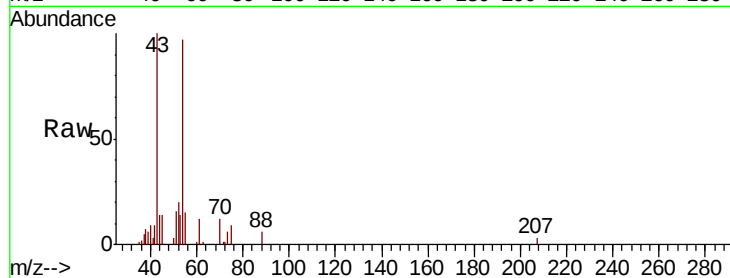
#37
Ethyl Acetate
Concen: 5.86 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	43	Resp:	11929
Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.1	18.1
70	12.1	9.4	14.2

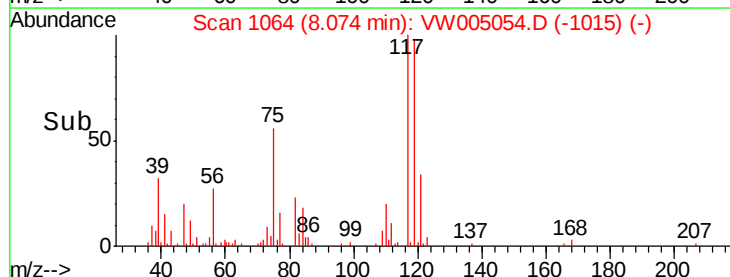
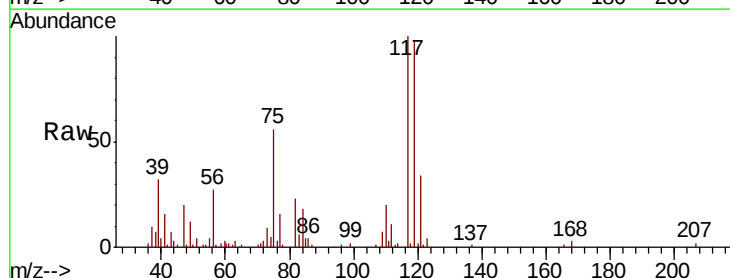
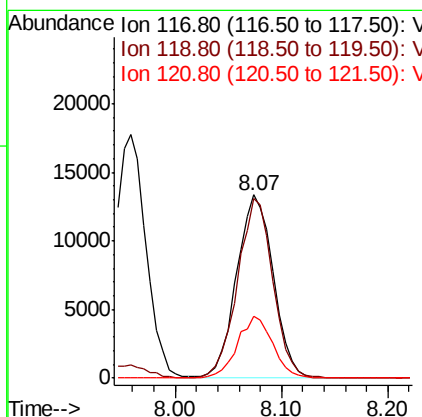
Manual Integrations
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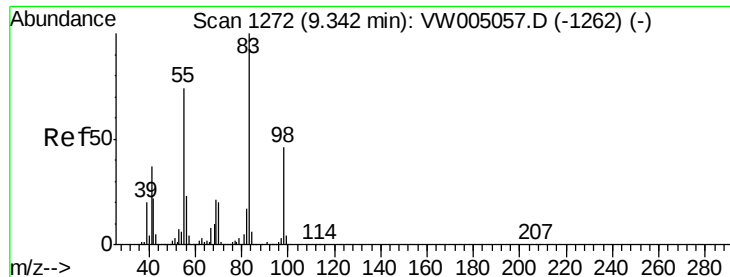
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#38
Carbon Tetrachloride
Concen: 5.99 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion:	117	Resp:	32379
Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.6	115.0
121	33.6	24.8	37.2





#39

Methylcyclohexane

Concen: 4.57 ug/l

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

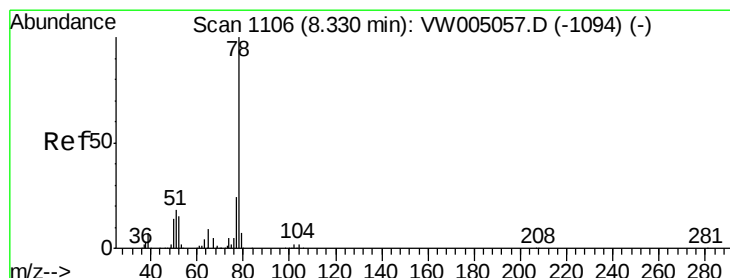
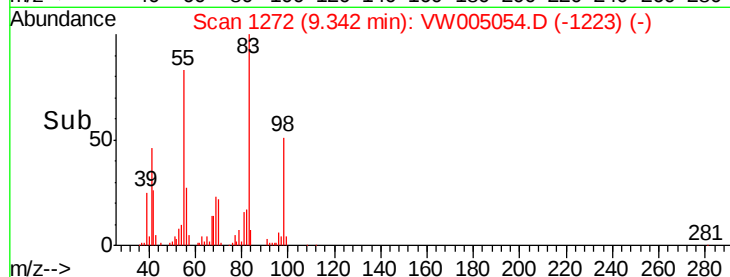
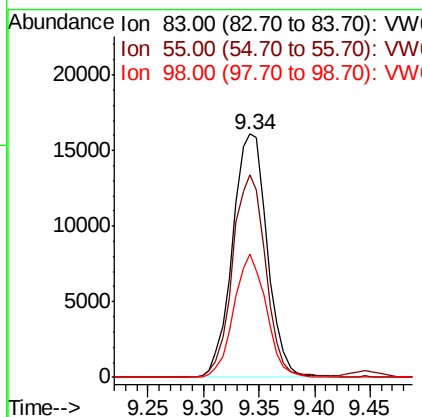
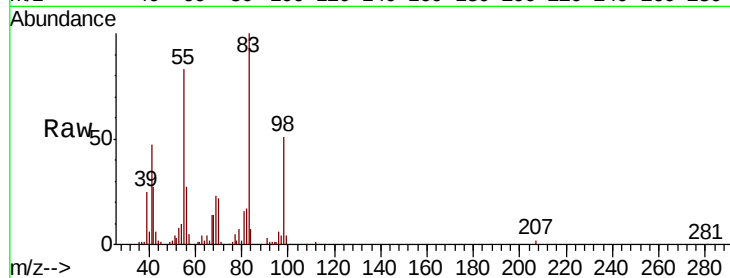
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	34703
Ion	Ratio	Lower	Upper
83	100		
55	83.3	58.9	88.3
98	50.5	36.8	55.2

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#40

Benzene

Concen: 5.43 ug/l

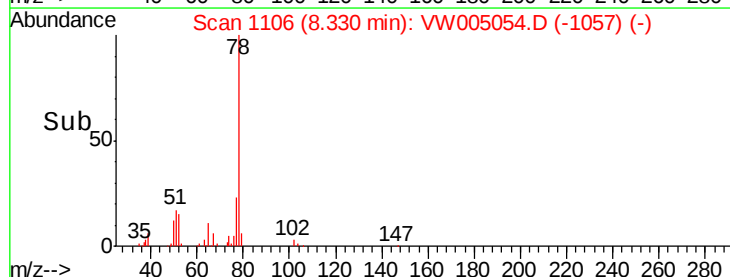
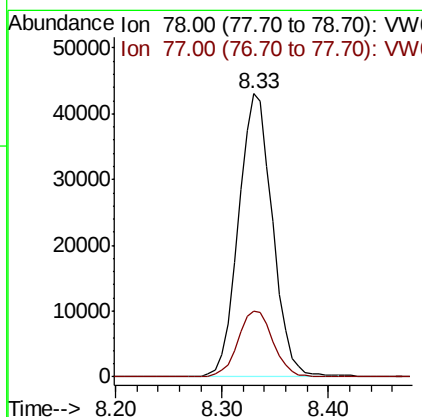
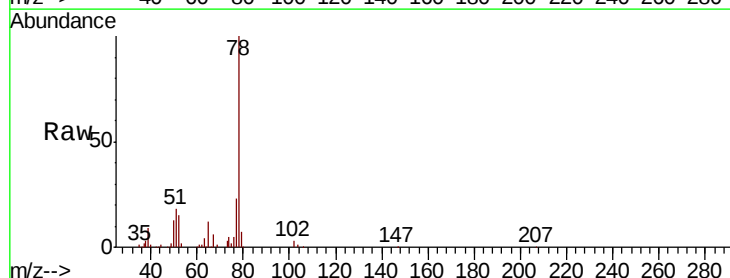
RT: 8.33 min Scan# 1106

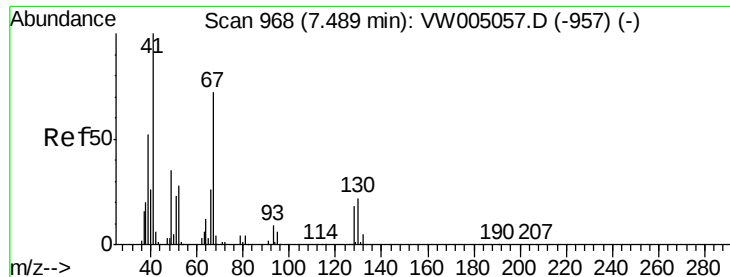
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	78	Resp:	96349
Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





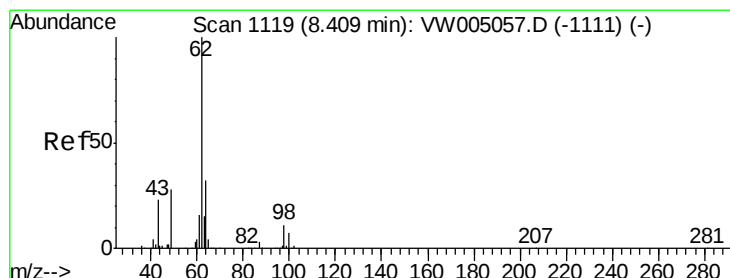
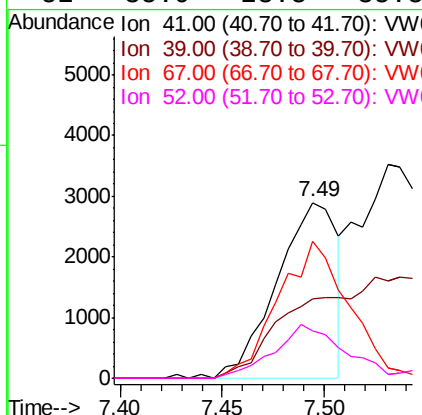
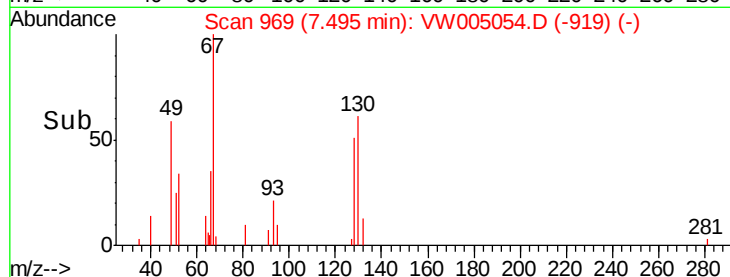
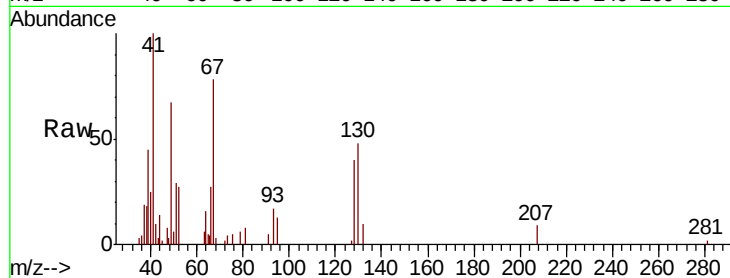
#41
Methacrylonitrile
Concen: 5.00 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	6000
Ion	Ratio	Lower	Upper
41	100		
39	0.0	41.8	62.8#
67	90.1	60.4	90.6
52	35.9	23.8	35.8#

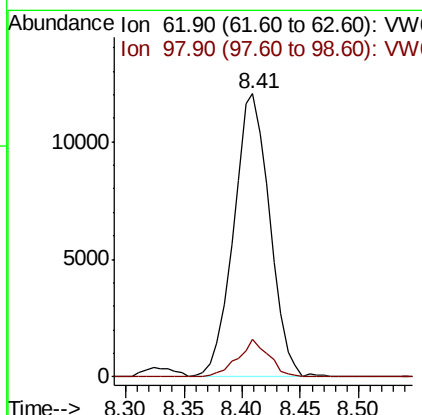
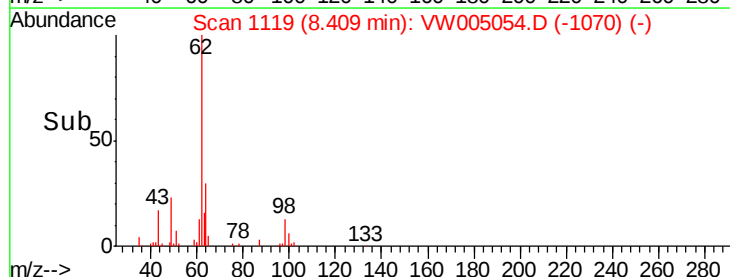
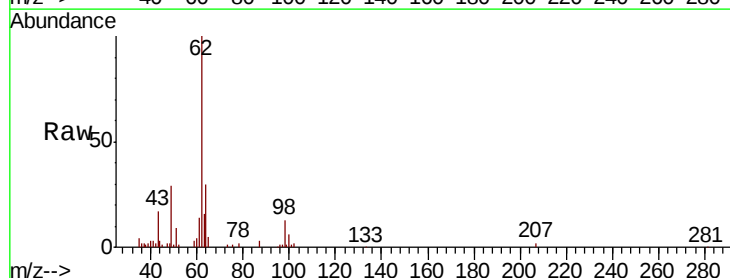
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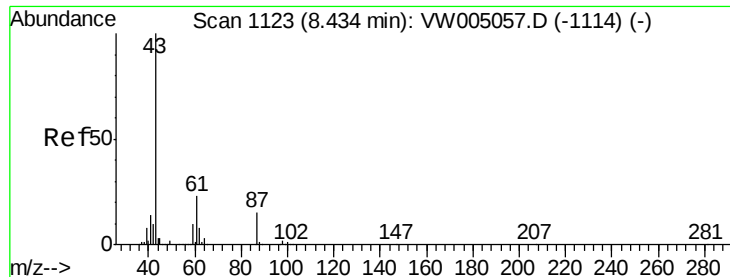
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#42
1,2-Dichloroethane
Concen: 6.44 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion:	62	Resp:	25960
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.8





#43

Isopropyl Acetate

Concen: 5.04 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

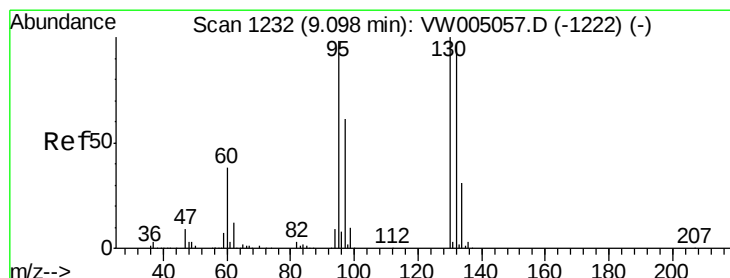
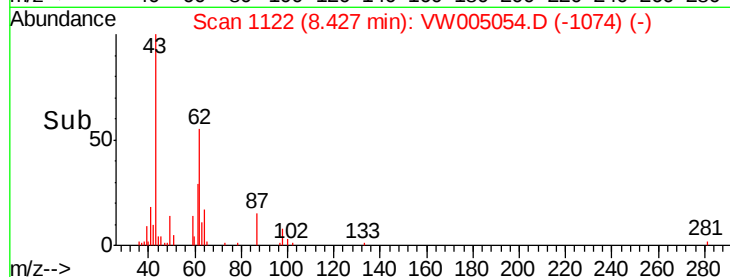
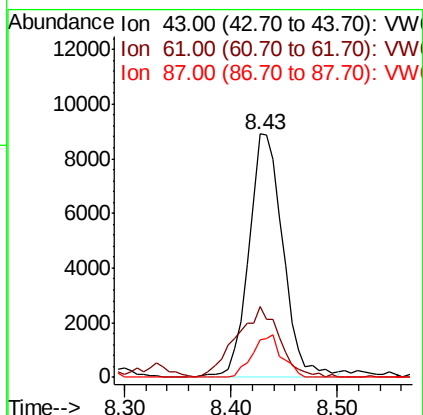
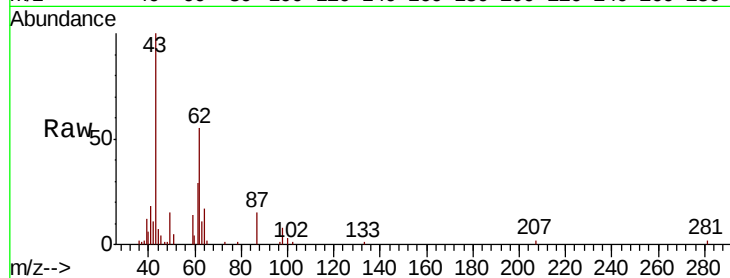
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20091
Ion	Ratio	Lower	Upper
43	100		
61	36.6	26.8	40.2
87	15.1	11.6	17.4

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#44

Trichloroethene

Concen: 5.92 ug/l

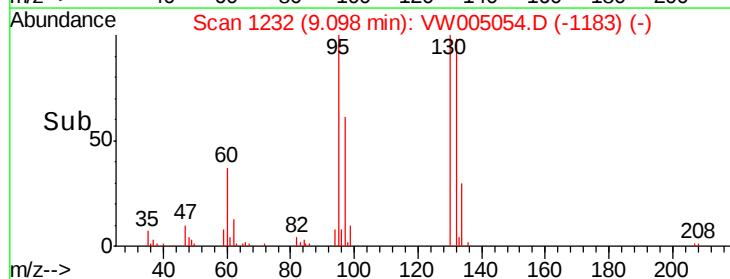
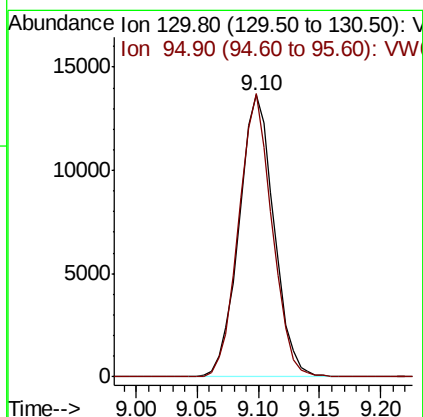
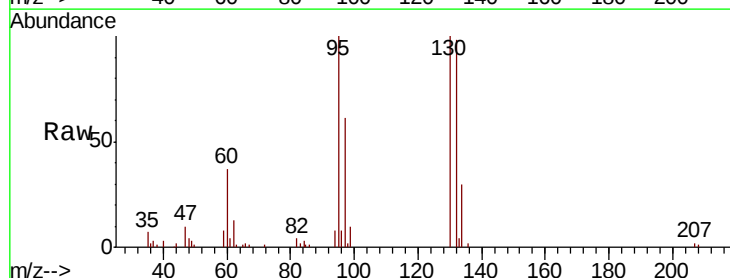
RT: 9.10 min Scan# 1232

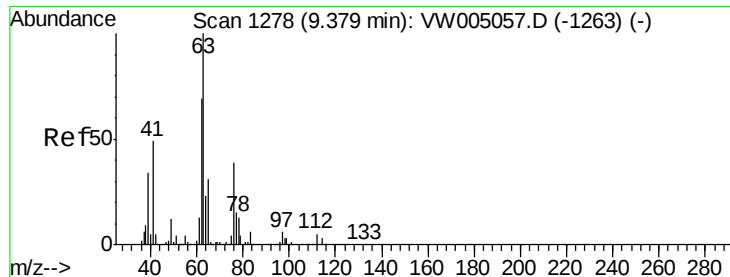
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	130	Resp:	27059
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	195.2





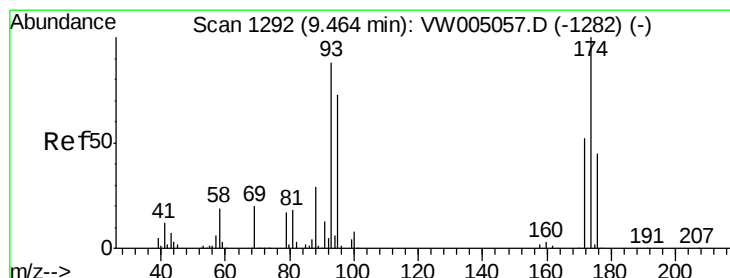
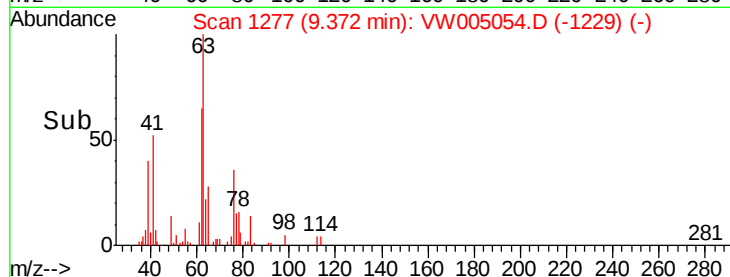
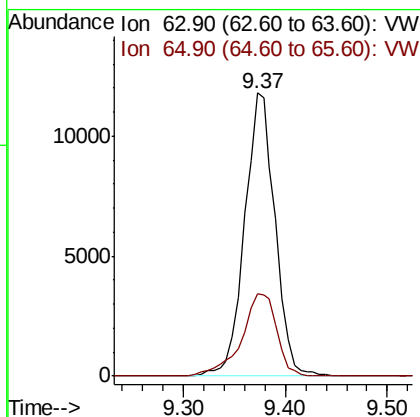
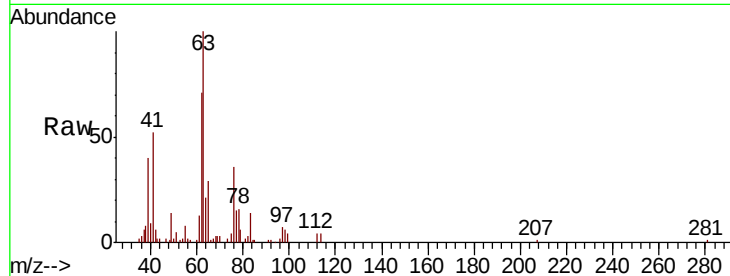
#45
 1,2-Dichloropropane
 Concen: 5.97 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.6	37.0

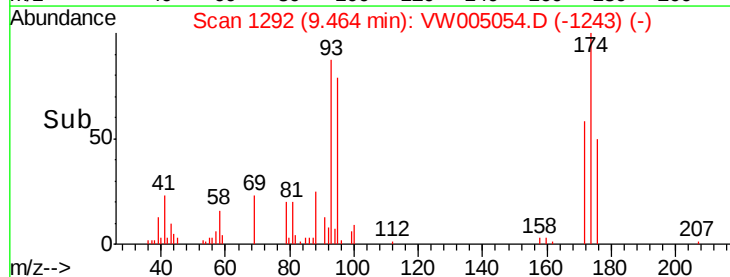
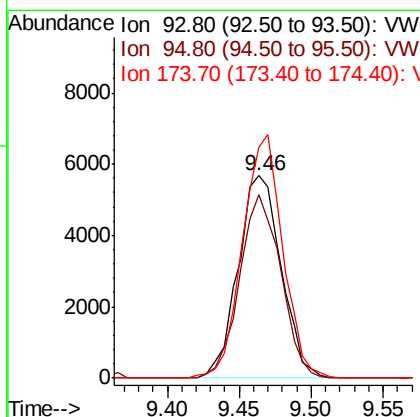
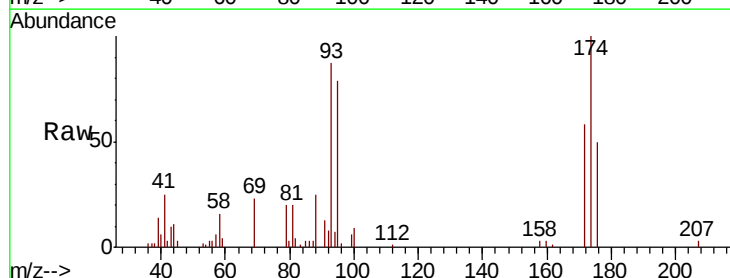
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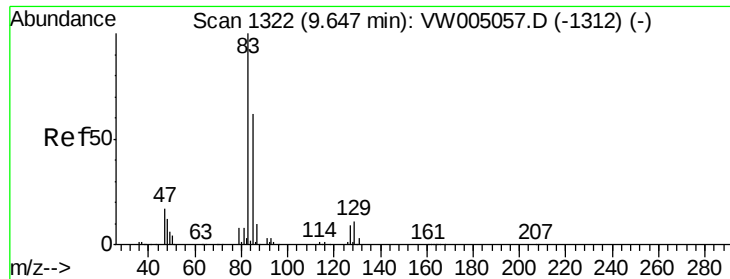
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#46
 Dibromomethane
 Concen: 6.01 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.2	66.2	99.4
174	111.9	92.0	138.0





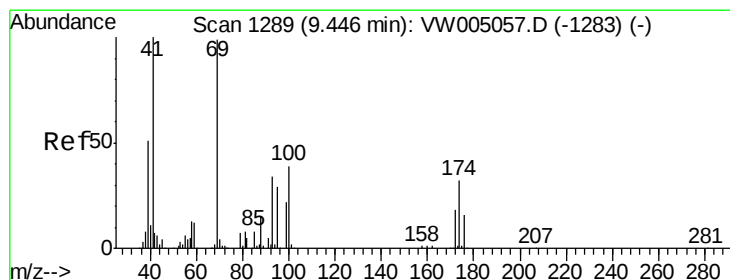
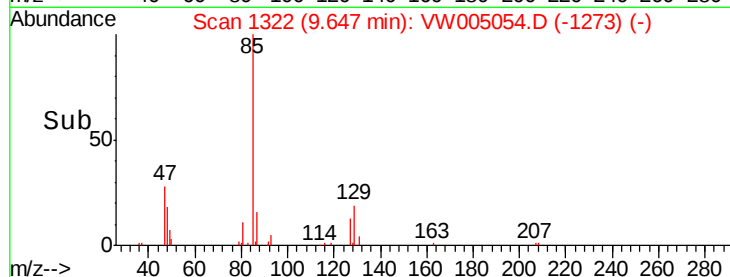
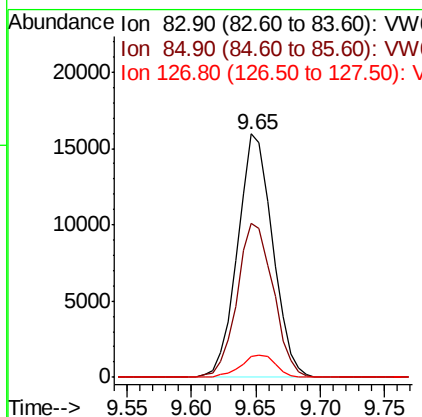
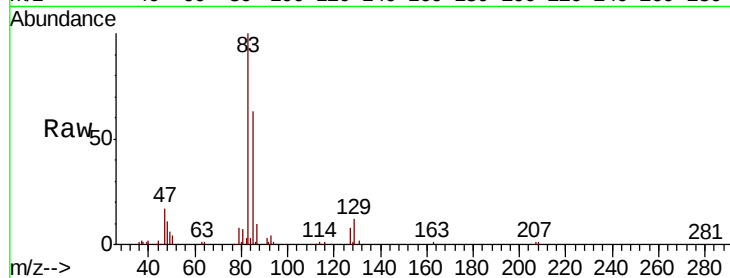
#47
Bromodichloromethane
Concen: 6.19 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.8	74.6
127	8.4	7.0	10.4

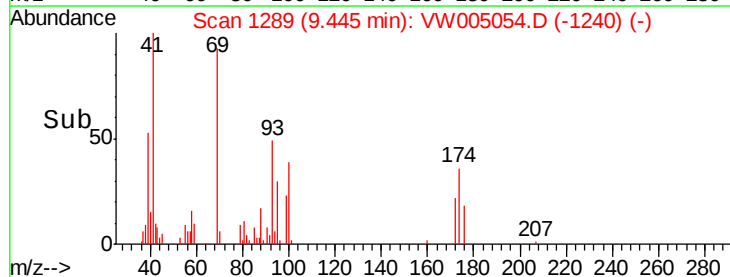
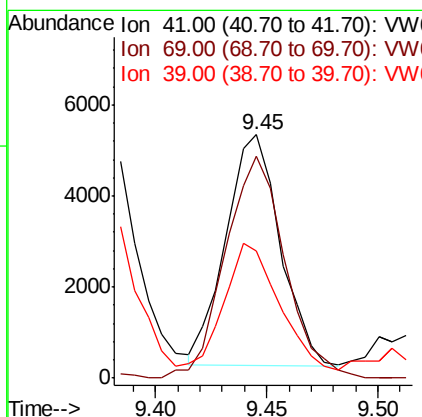
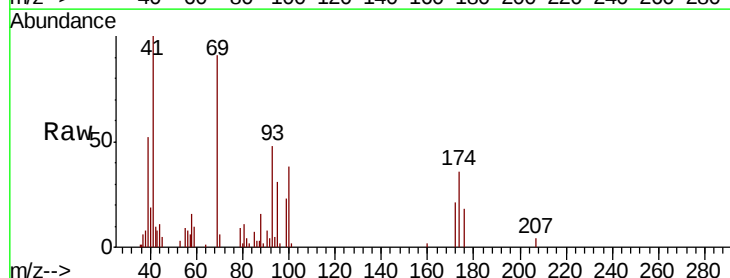
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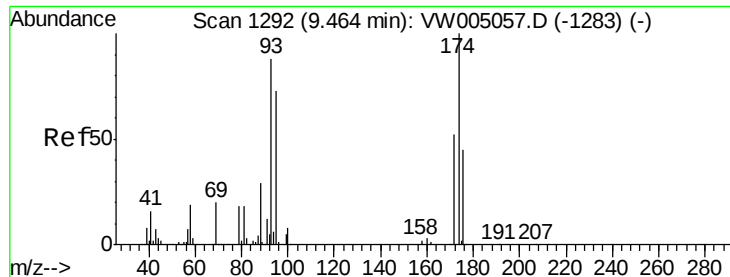
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#48
Methyl methacrylate
Concen: 4.18 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	105.4	80.4	120.6
39	55.1	43.5	65.3





#49

1,4-Dioxane

Concen: 88.81 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

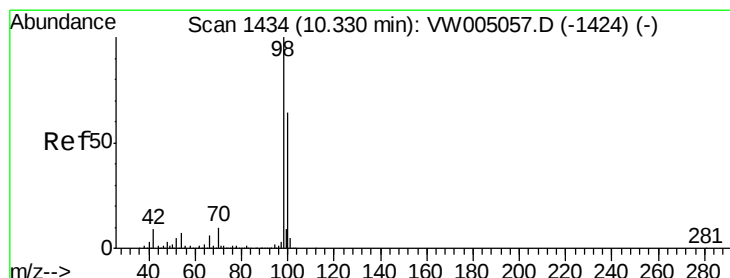
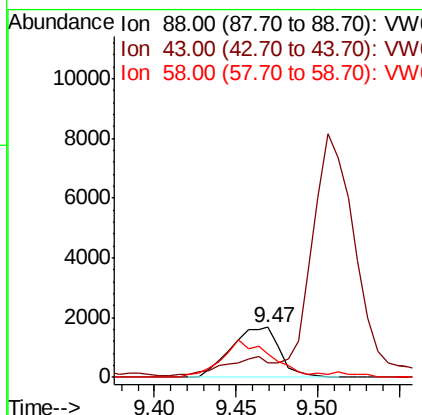
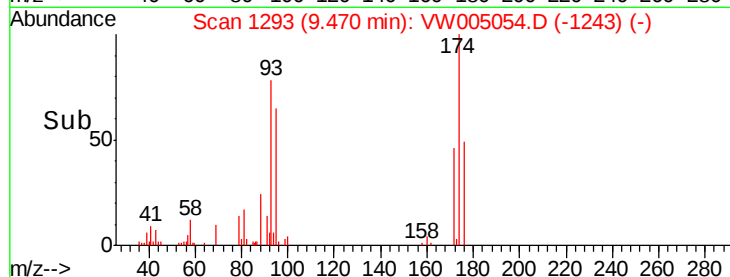
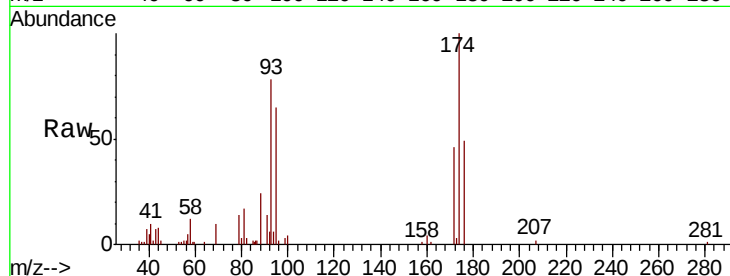
ClientSampled :

VSTDIC005

Tot Ion:	88	Resp:	3507
Ion	Ratio	Lower	Upper
88	100		
43	33.9	19.8	29.6#
58	78.0	57.1	85.7

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#50

Toluene-d8

Concen: 4.91 ug/l

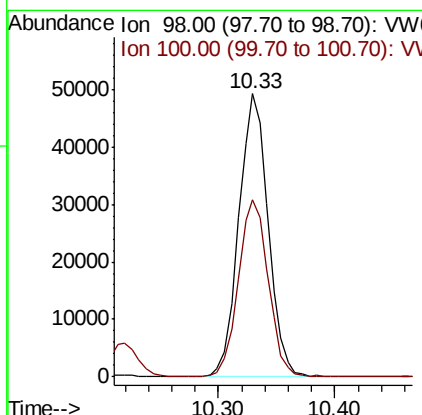
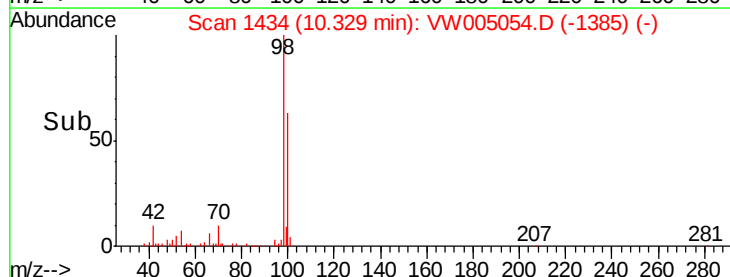
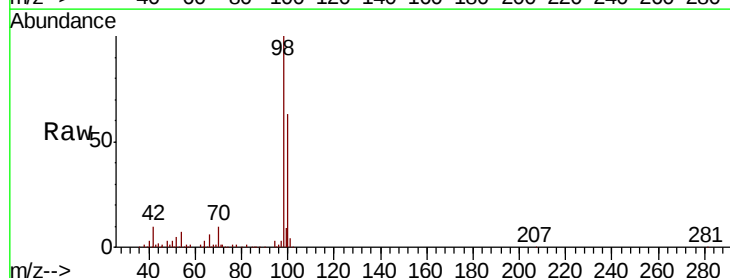
RT: 10.33 min Scan# 1434

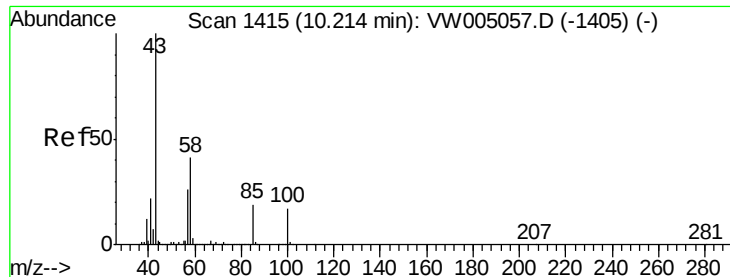
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	98	Resp:	86439
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 22.05 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 64883

Ion Ratio Lower Upper

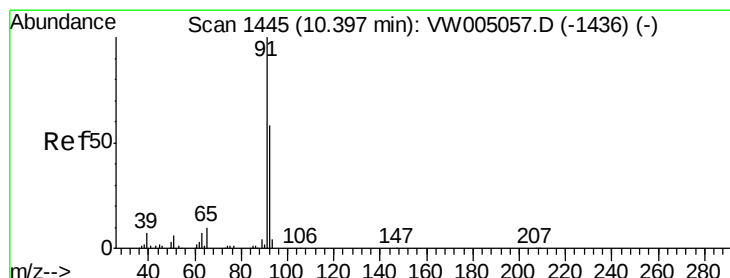
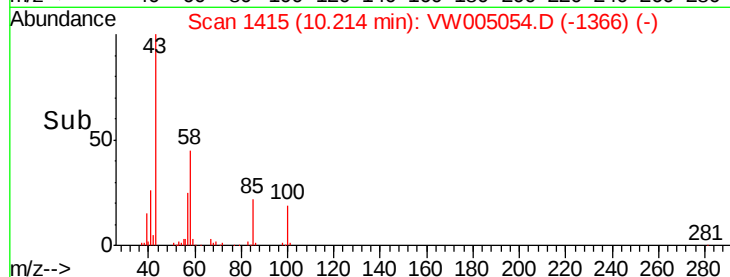
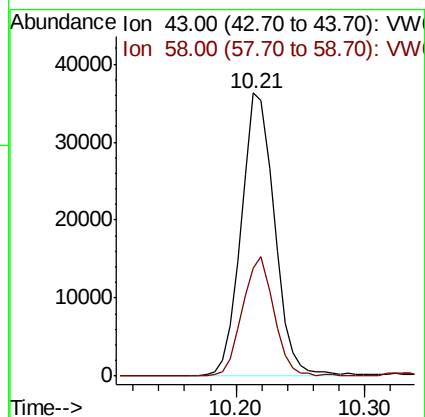
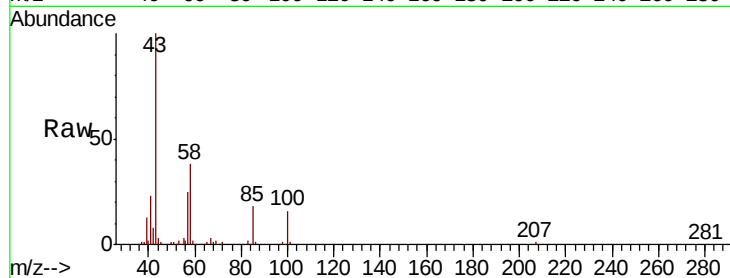
43 100

58 40.1 33.3 49.9

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#52

Toluene

Concen: 4.73 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW005054.D

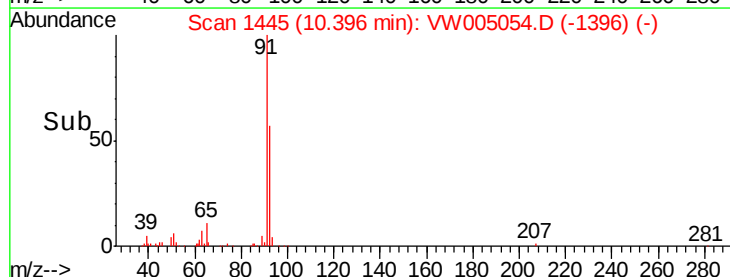
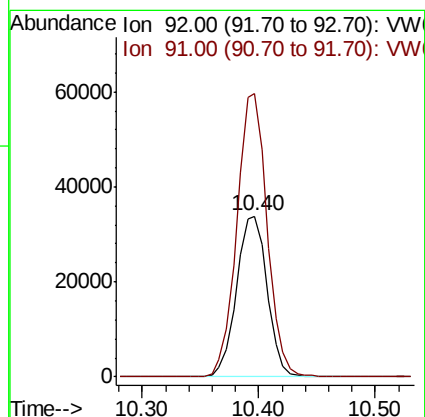
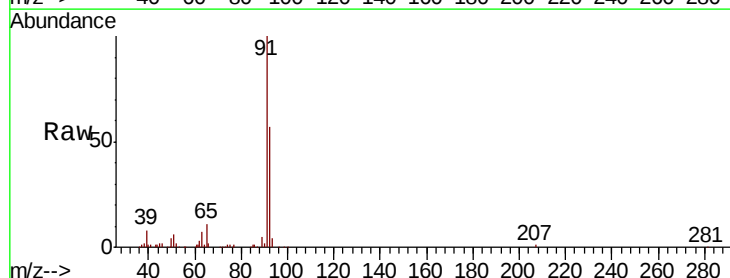
Acq: 31 Aug 2018 23:48

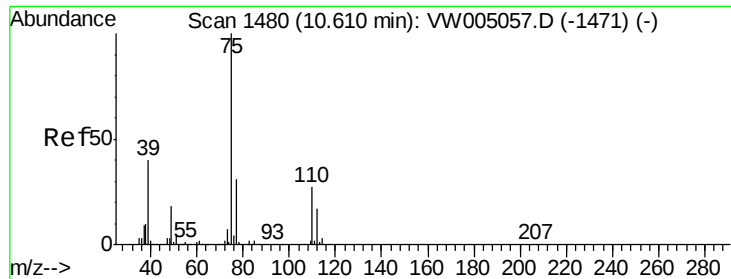
Tgt Ion: 92 Resp: 62096

Ion Ratio Lower Upper

92 100

91 174.3 139.2 208.8





#53

t-1,3-Dichloropropene

Concen: 5.06 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 25672

Ion Ratio Lower Upper

75 100

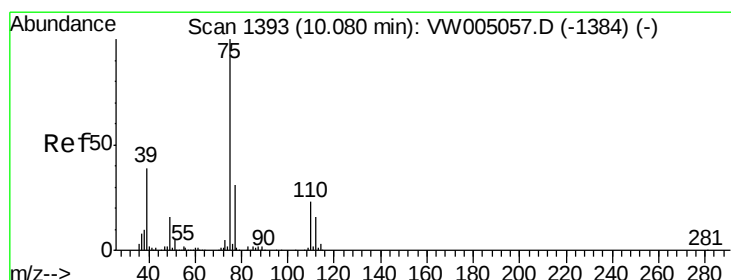
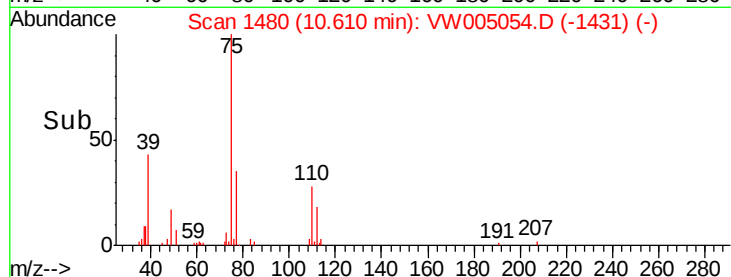
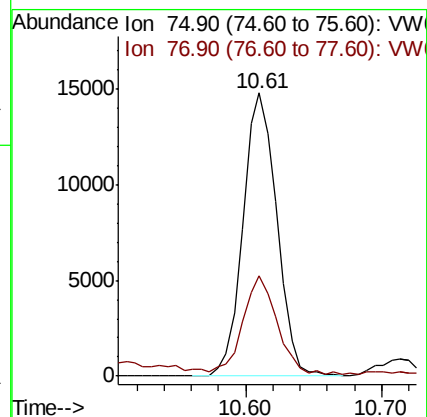
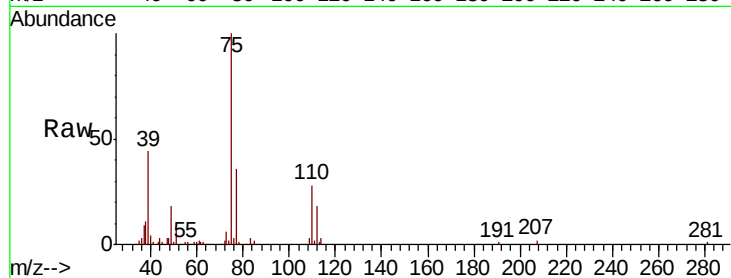
77 35.1 25.0 37.6

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#54

cis-1,3-Dichloropropene

Concen: 5.27 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

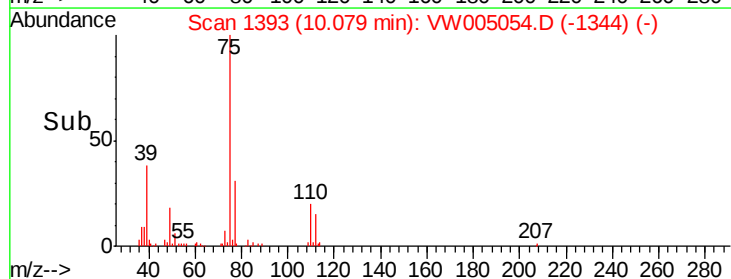
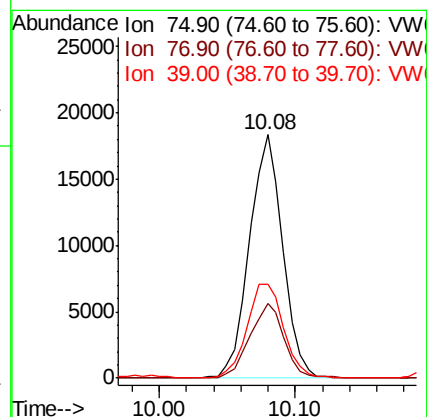
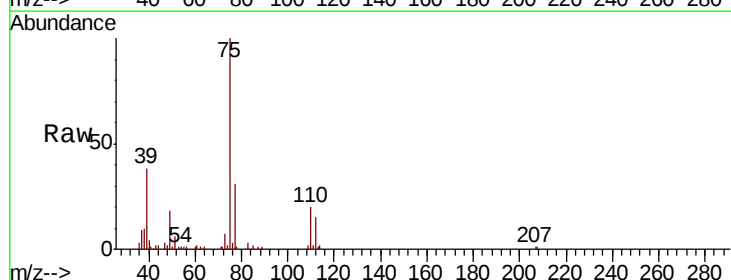
Tgt Ion: 75 Resp: 31410

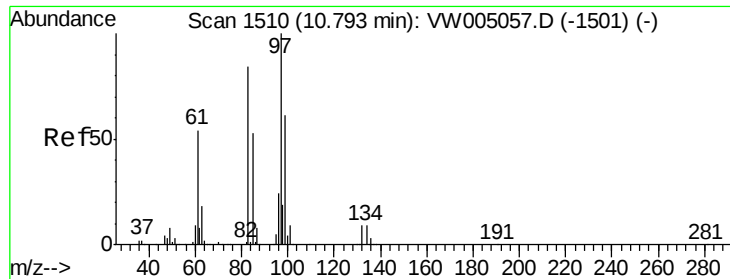
Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 38.4 31.0 46.6





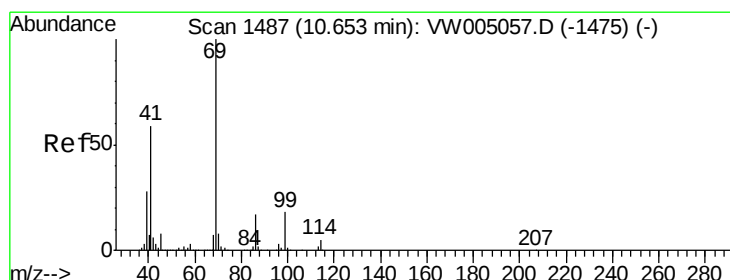
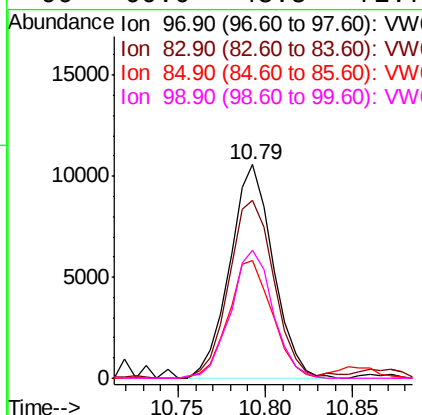
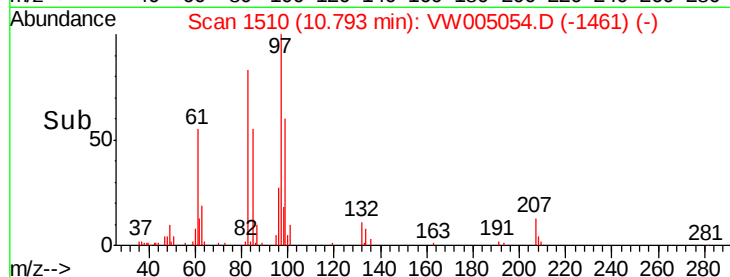
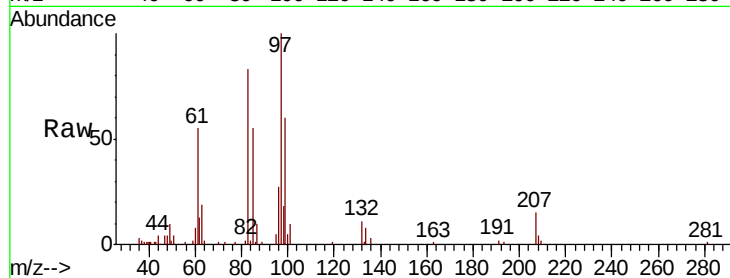
#55
 1,1,2-Trichloroethane
 Concen: 5.75 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	18184
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.0	100.6
85	54.1	42.3	63.5
99	60.0	48.5	72.7

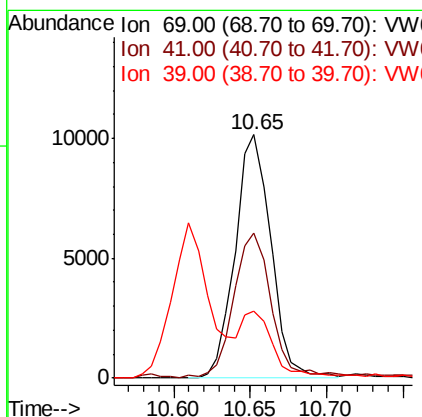
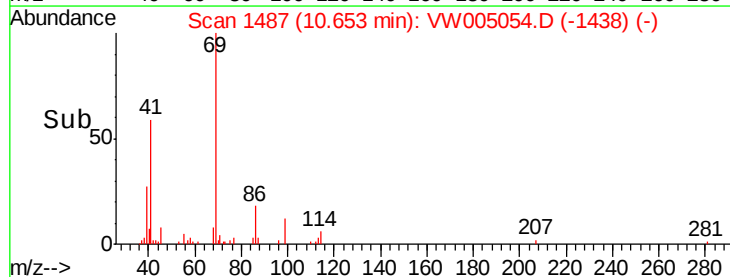
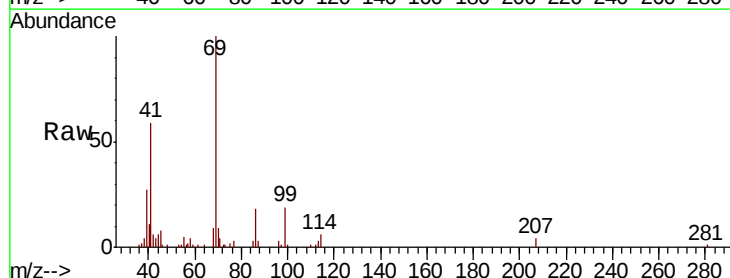
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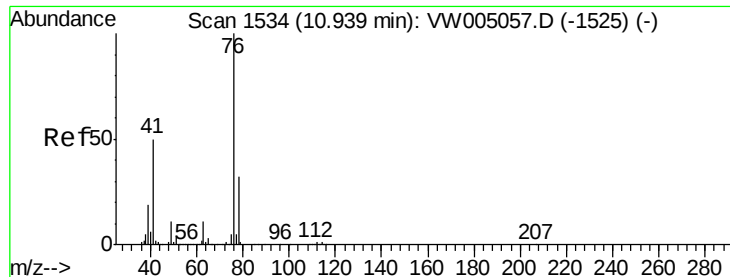
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#56
 Ethyl methacrylate
 Concen: 4.06 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion:	69	Resp:	16565
Ion	Ratio	Lower	Upper
69	100		
41	63.3	47.8	71.6
39	21.8	21.1	31.7





#57

1,3-Dichloropropane

Concen: 5.54 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 28702

Ion Ratio Lower Upper

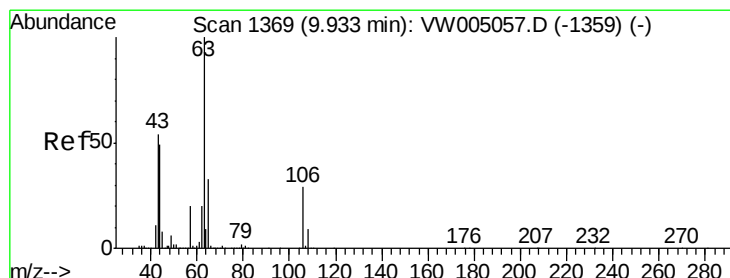
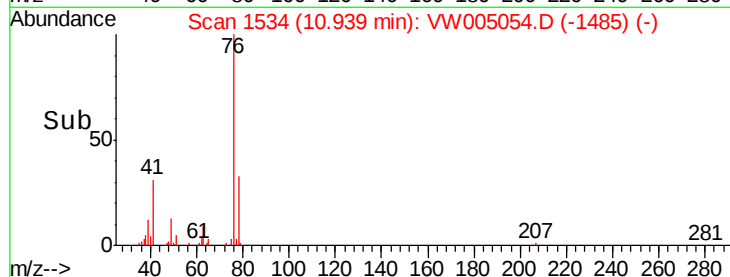
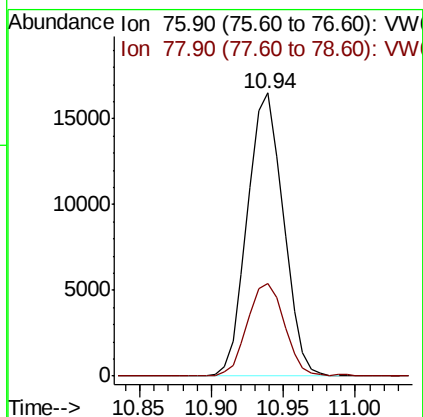
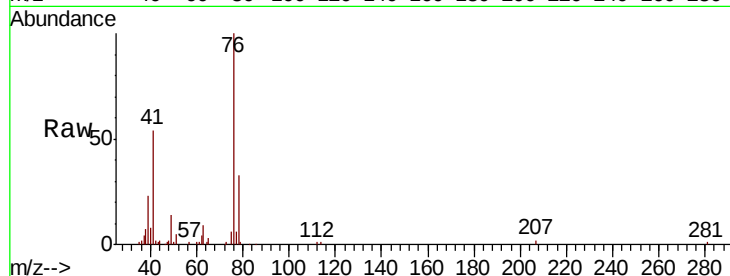
76 100

78 34.0 26.3 39.5

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#58

2-Chloroethyl Vinyl ether

Concen: 22.30 ug/l

RT: 9.93 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VW005054.D

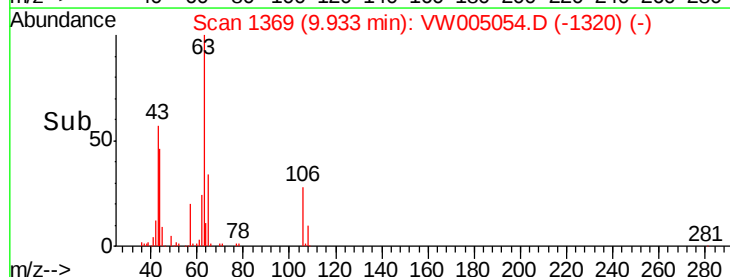
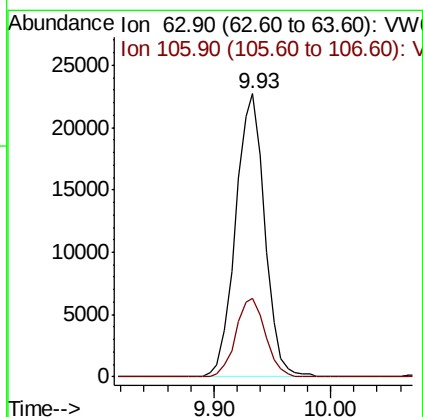
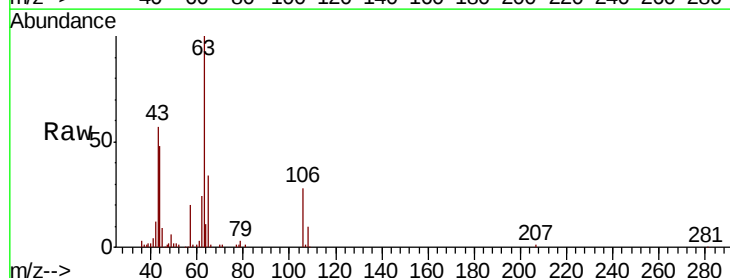
Acq: 31 Aug 2018 23:48

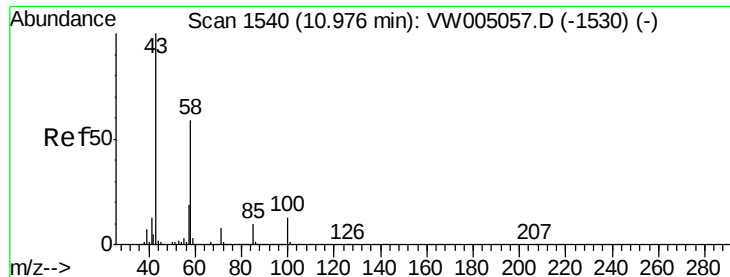
Tgt Ion: 63 Resp: 39599

Ion Ratio Lower Upper

63 100

106 28.4 23.1 34.7





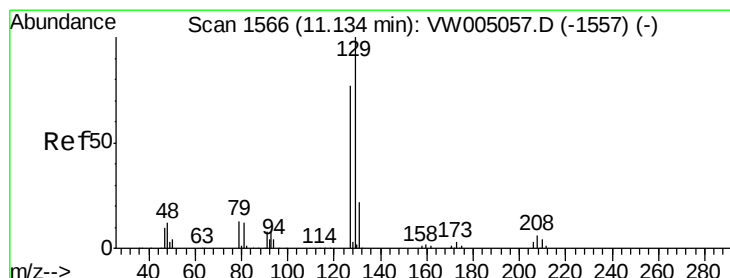
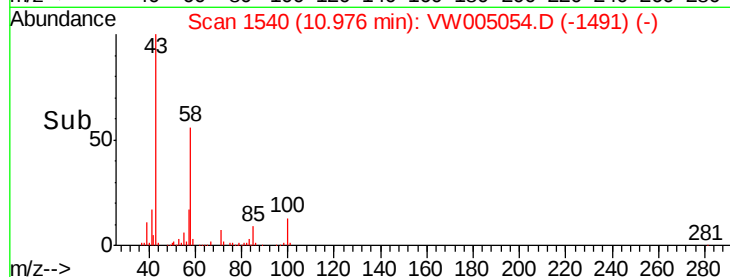
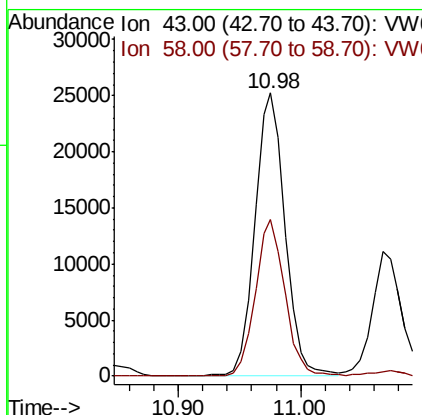
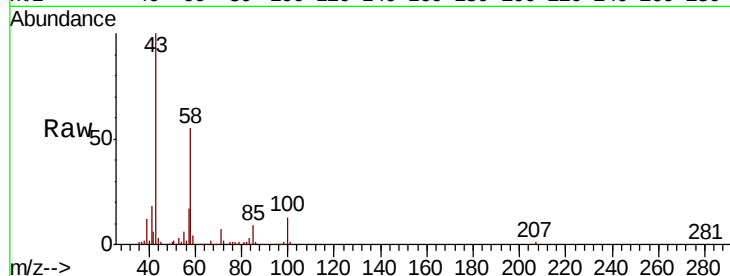
#59
2-Hexanone
Concen: 20.47 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	43303
Ion Ratio	Lower	Upper	
43	100		
58	54.3	28.7	86.3

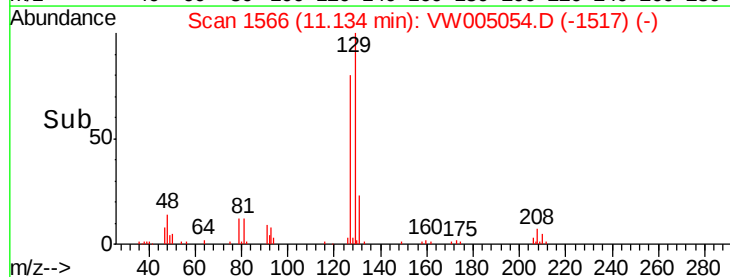
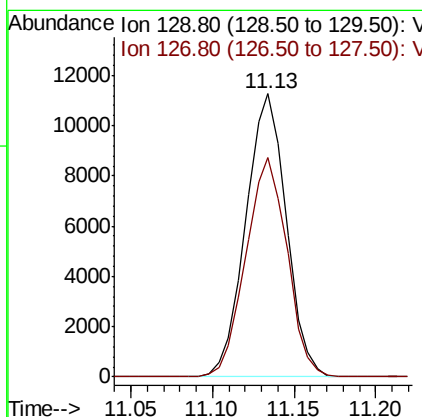
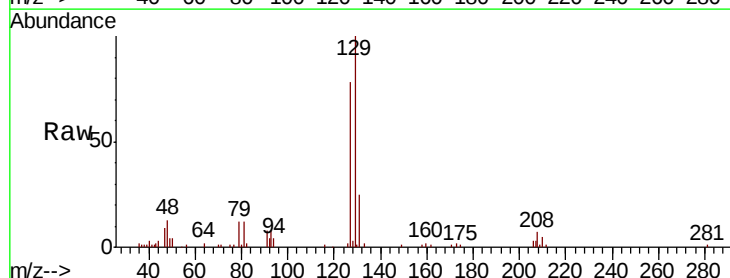
Manual Integrations
APPROVED

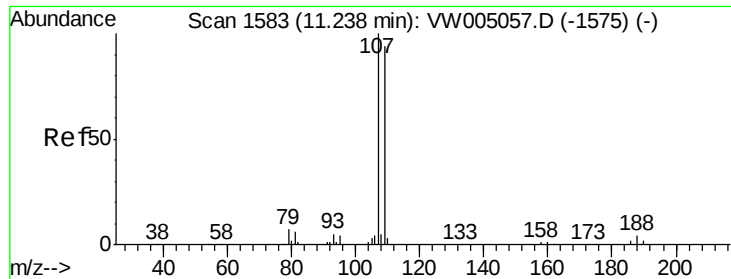
apatel
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#60
Dibromochloromethane
Concen: 5.62 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	129	Resp	19481
Ion Ratio	Lower	Upper	
129	100		
127	78.7	38.9	116.7





#61

1,2-Dibromoethane

Concen: 5.36 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 15742

Ion Ratio Lower Upper

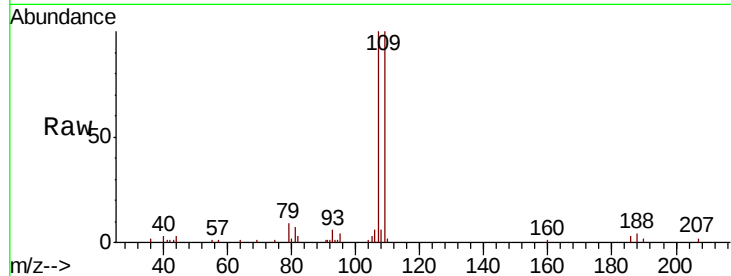
107 100

109 96.0 75.9 113.9

Manual Integrations
APPROVED

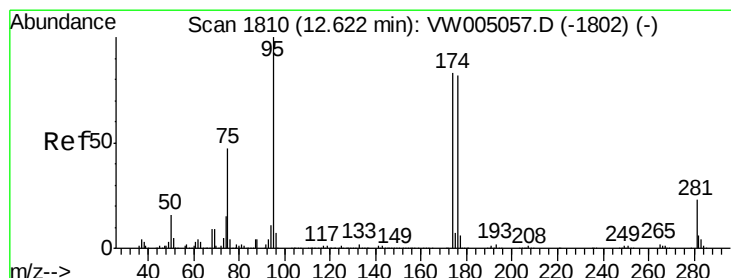
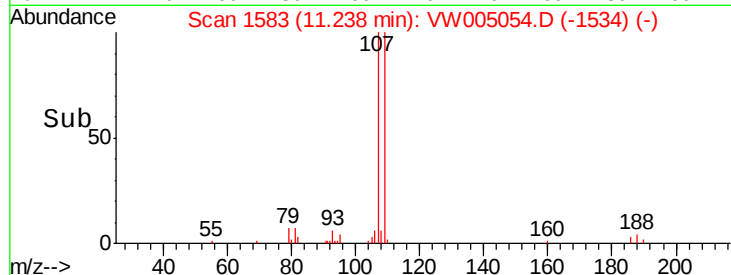
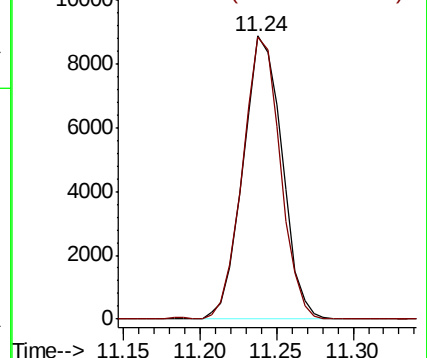
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.79 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

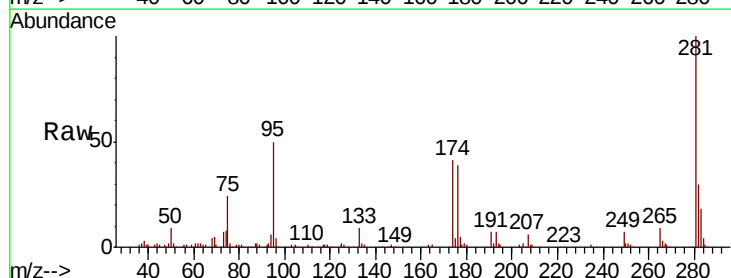
Tgt Ion: 95 Resp: 30688

Ion Ratio Lower Upper

95 100

174 88.5 0.0 173.4

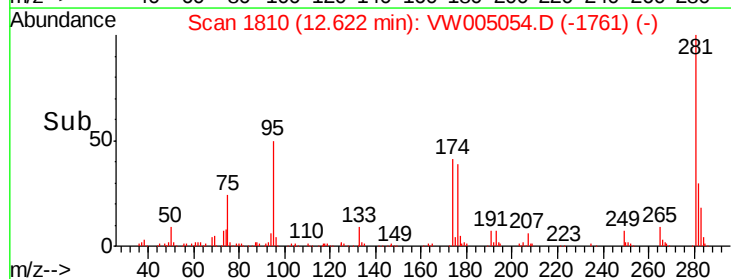
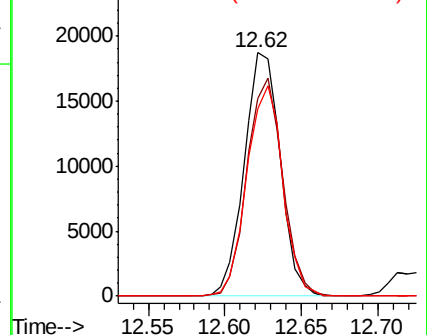
176 85.8 0.0 167.4

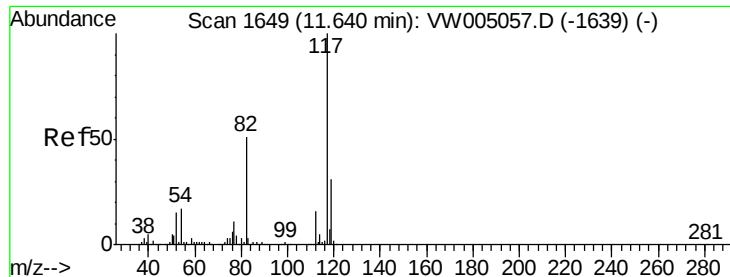


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





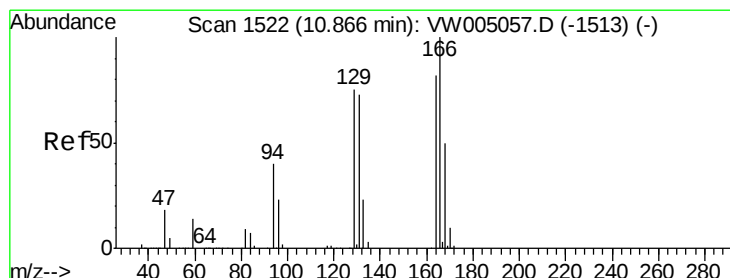
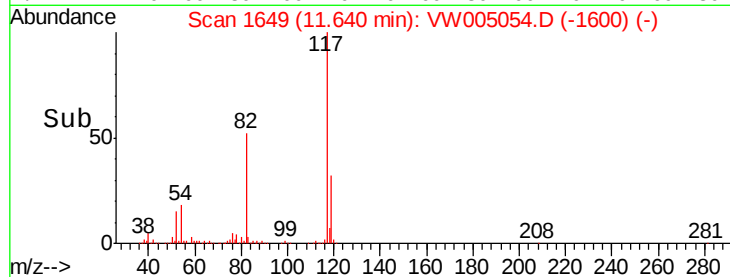
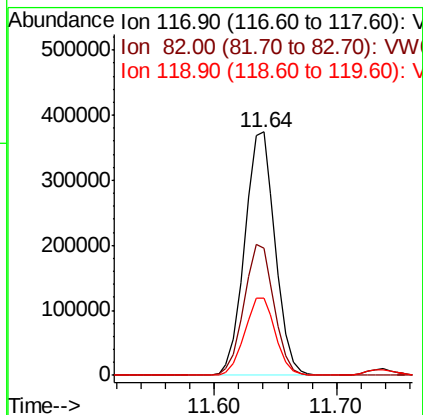
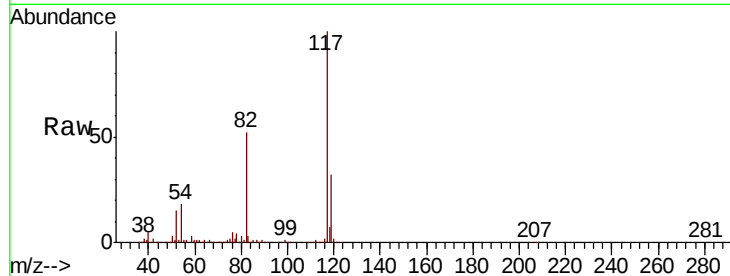
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	40.9	61.3
119	31.8	24.9	37.3

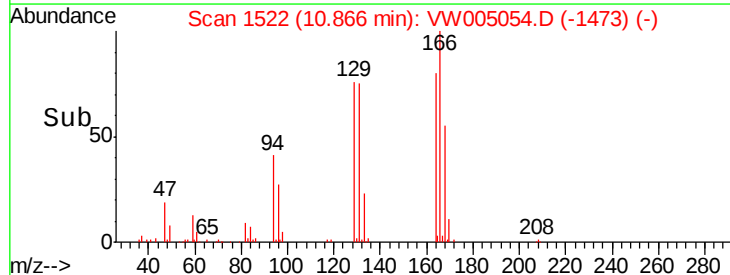
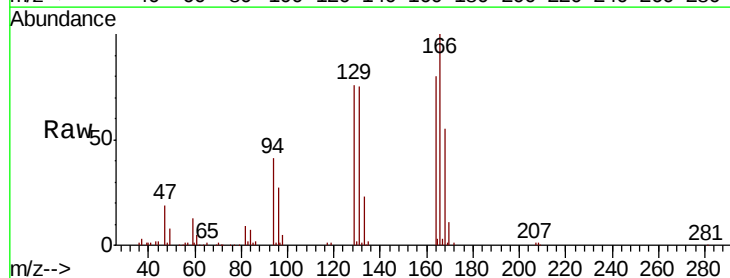
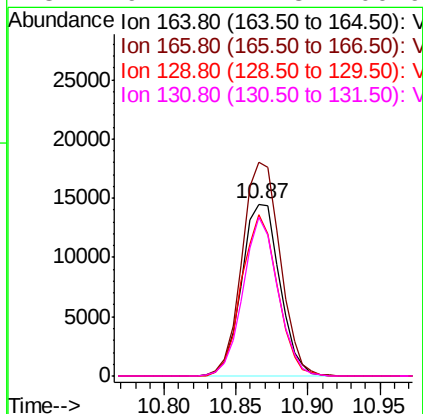
Manual Integrations
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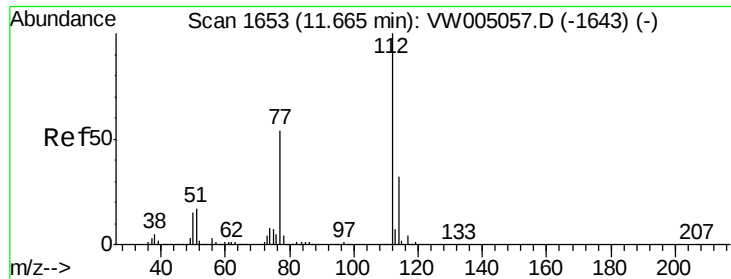
apatel
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#64
Tetrachloroethene
Concen: 5.57 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	97.3	145.9
129	94.2	73.1	109.7
131	92.7	71.3	106.9





#65

Chlorobenzene

Concen: 5.18 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 74099

Ion Ratio Lower Upper

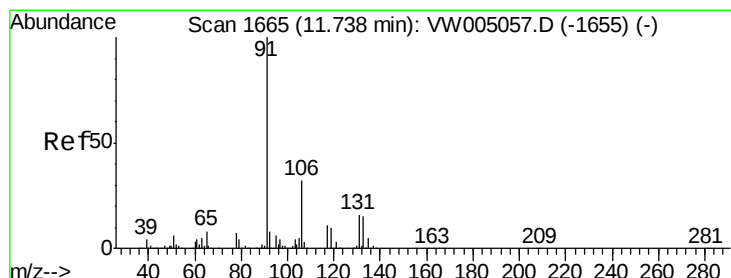
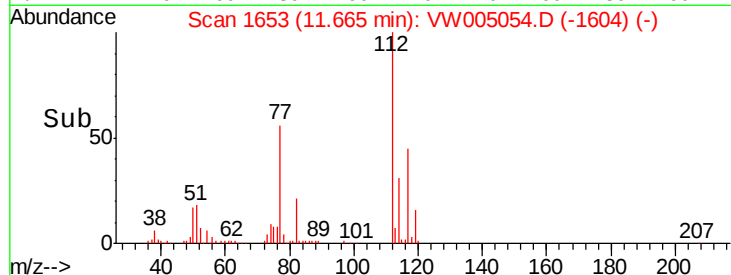
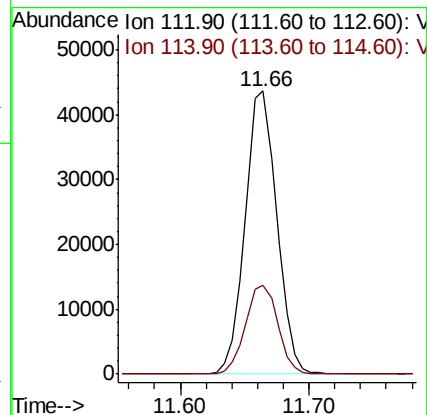
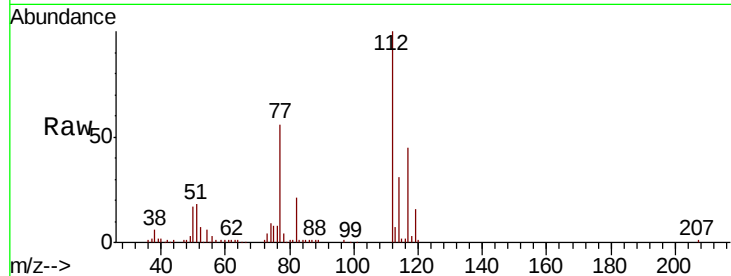
112 100

114 31.2 26.0 39.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 5.70 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

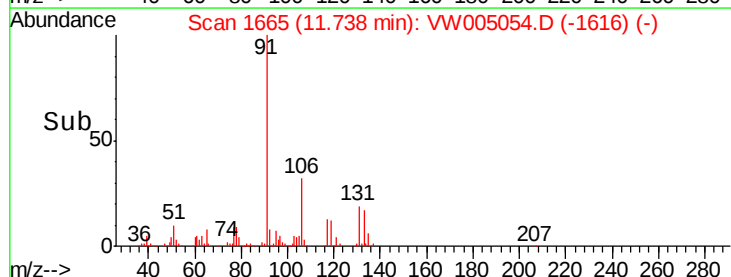
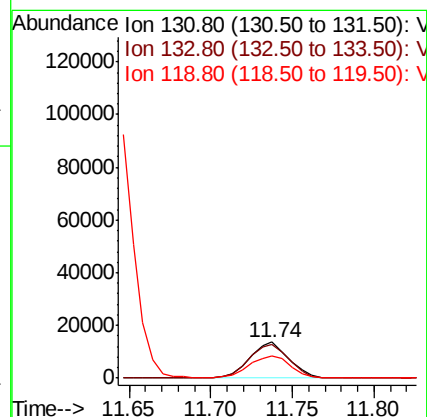
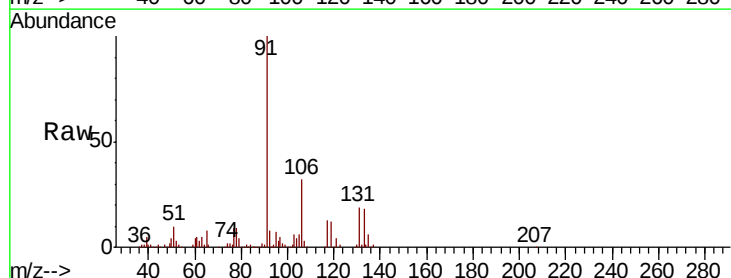
Tgt Ion:131 Resp: 22577

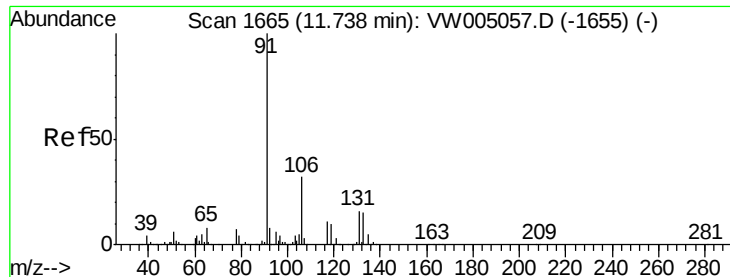
Ion Ratio Lower Upper

131 100

133 97.1 47.4 142.3

119 67.3 33.4 100.1





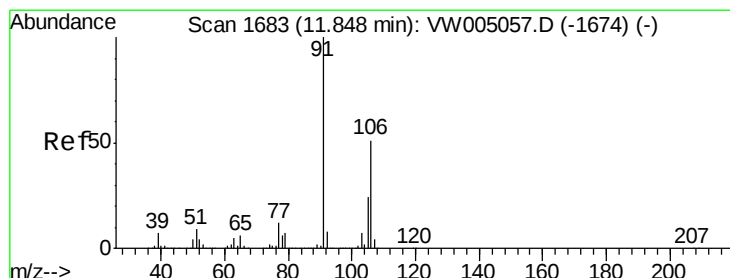
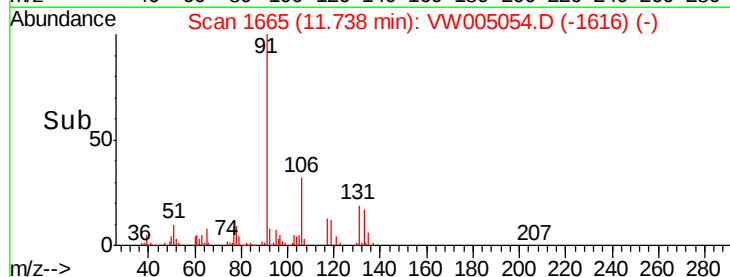
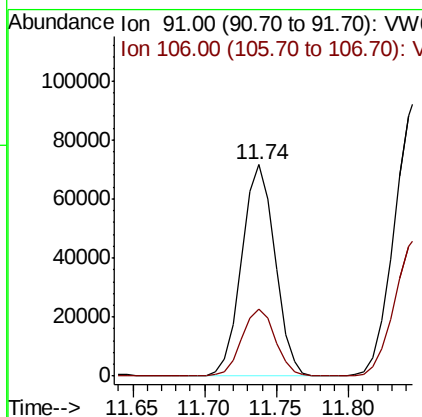
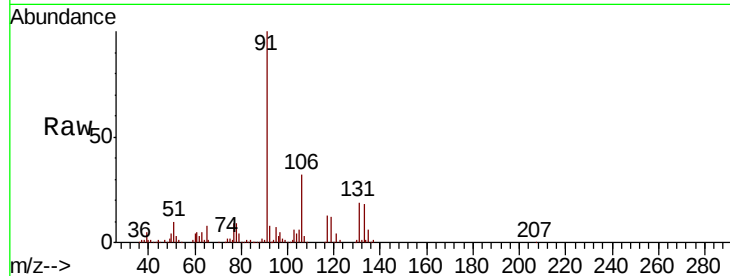
#67
Ethyl Benzene
Concen: 4.69 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

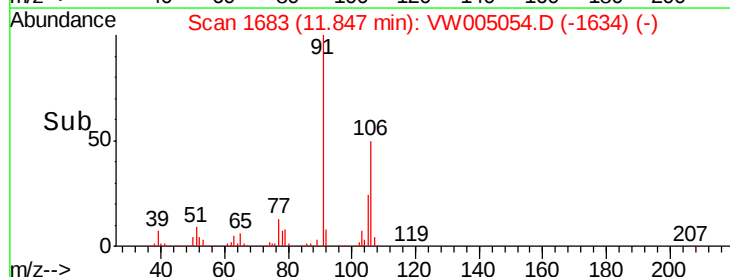
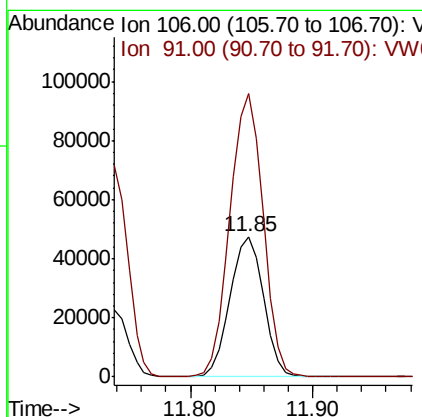
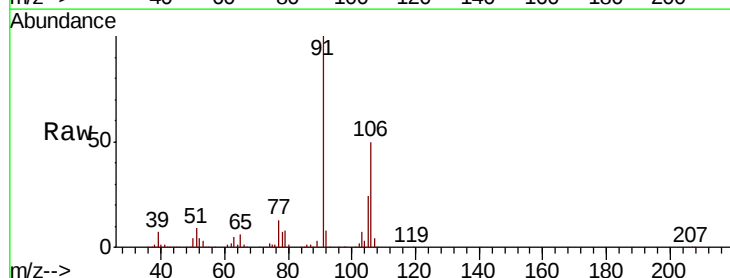
Manual Integrations
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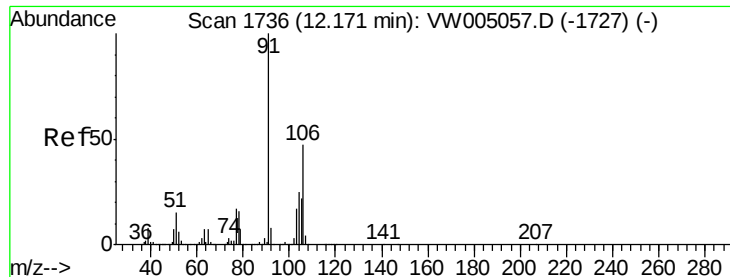
apatel
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#68
m/p-Xylenes
Concen: 9.06 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.9	158.4	237.6





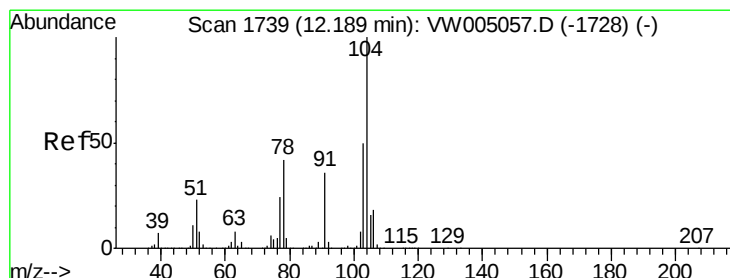
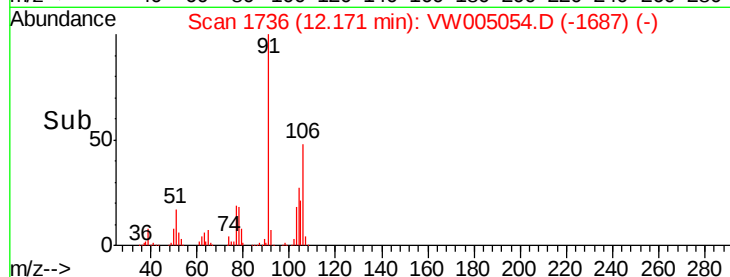
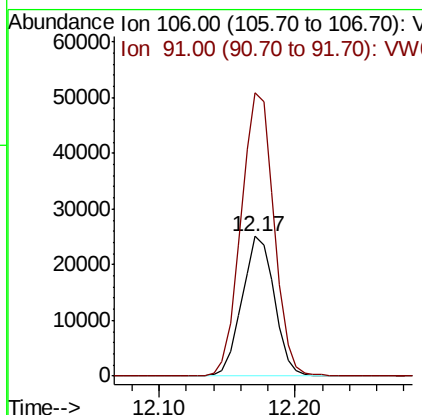
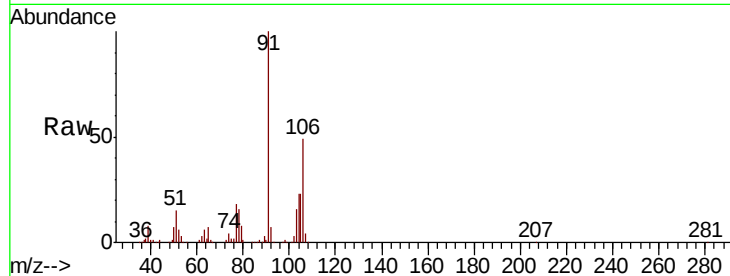
#69
o-Xylene
Concen: 4.59 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.9	105.6	316.8	

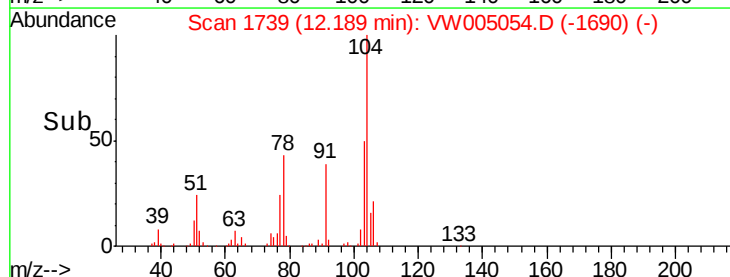
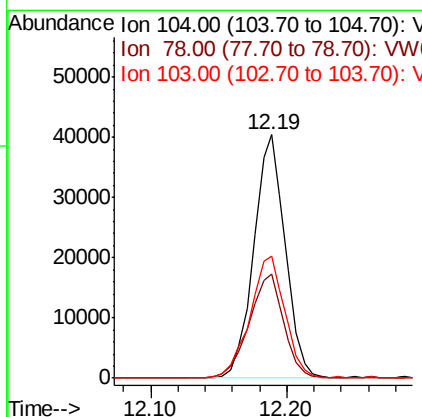
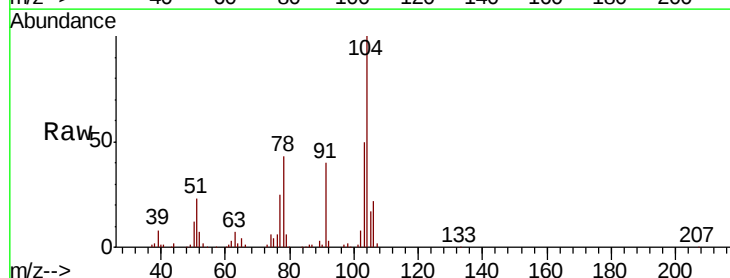
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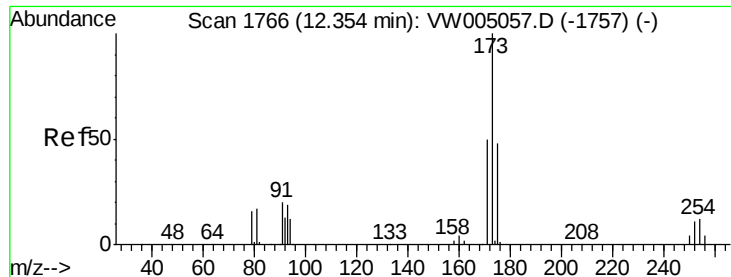
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#70
Styrene
Concen: 4.35 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.0	37.8	56.6	
103	55.7	44.1	66.1	





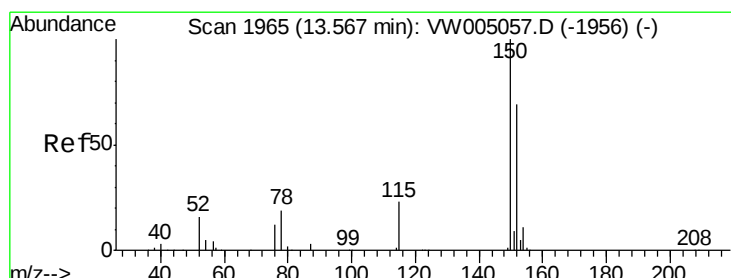
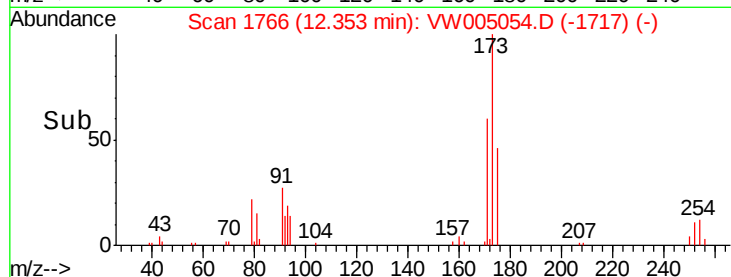
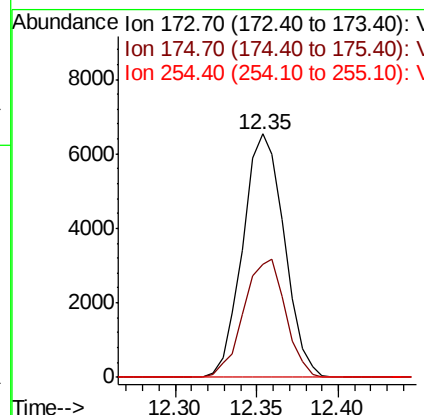
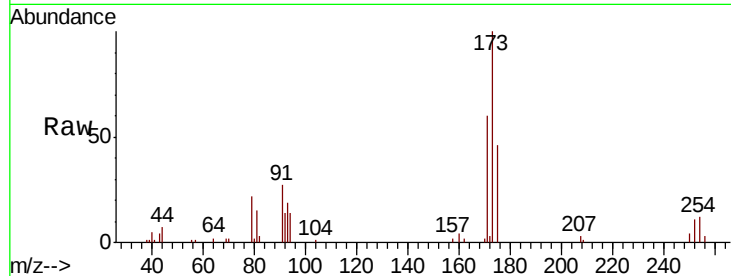
#71
Bromoform
Concen: 5.28 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.2
254	0.0	0.2	0.2

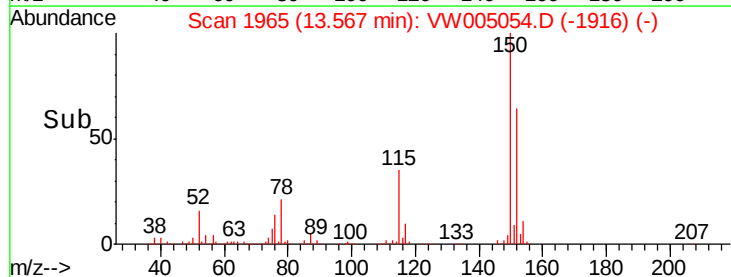
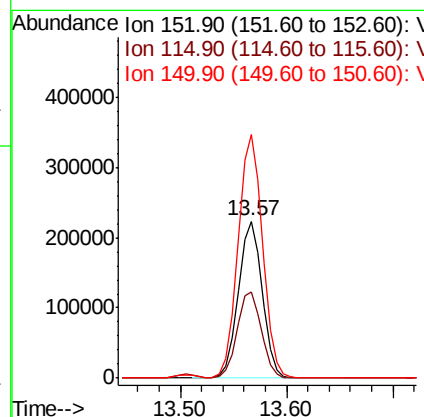
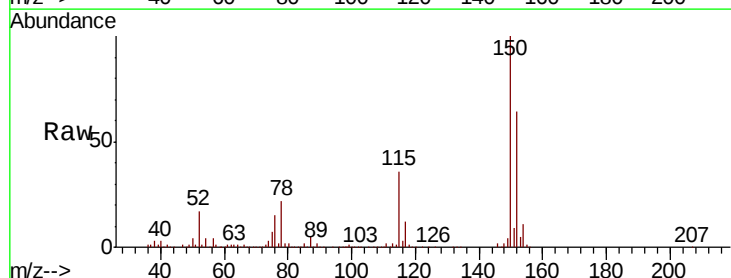
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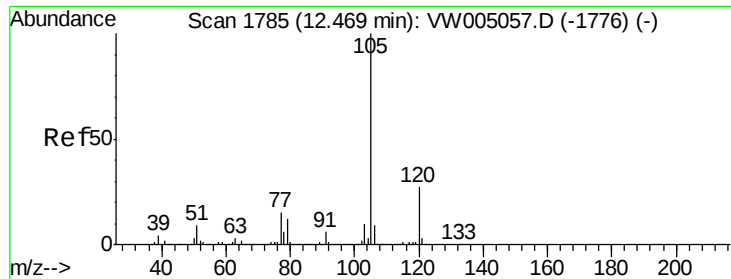
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.4
150	159.2	0.0	351.4





#73

Isopropylbenzene

Concen: 4.47 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 106545

Ion Ratio Lower Upper

105 100

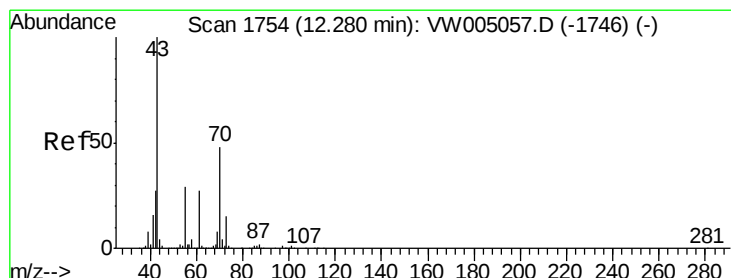
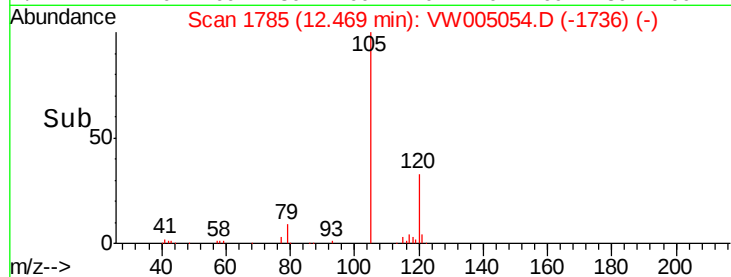
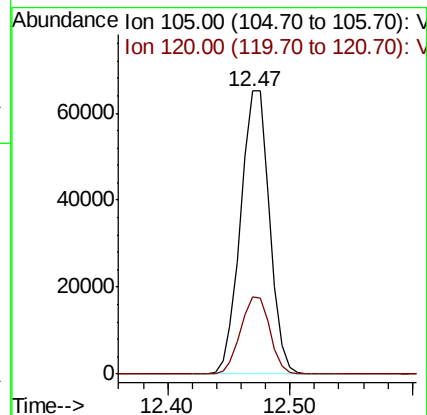
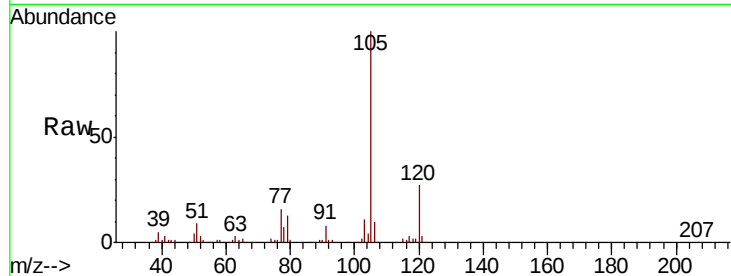
120 27.4 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.13 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion: 43 Resp: 18249

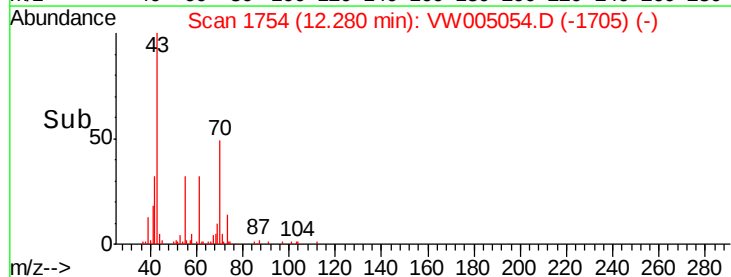
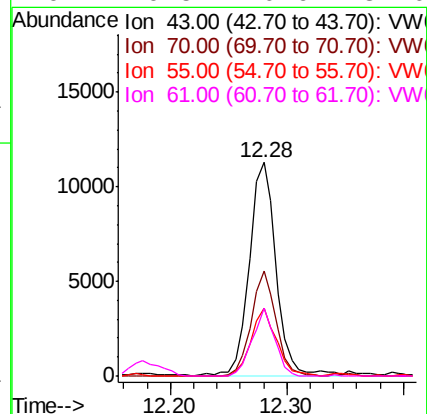
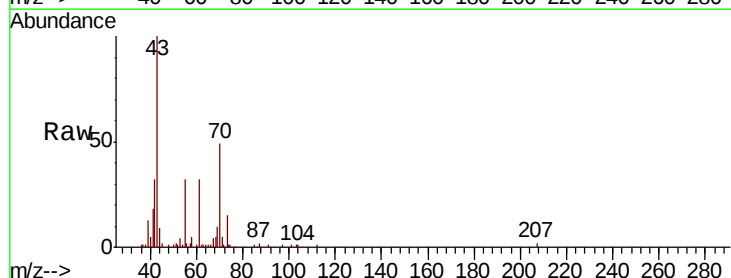
Ion Ratio Lower Upper

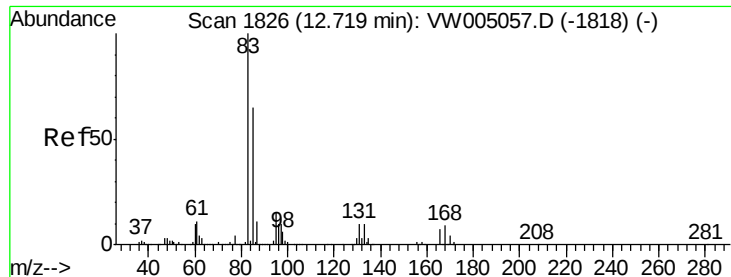
43 100

70 45.0 38.2 57.4

55 30.0 23.2 34.8

61 26.5 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.33 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

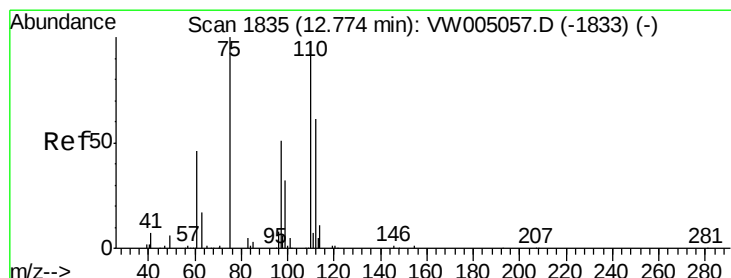
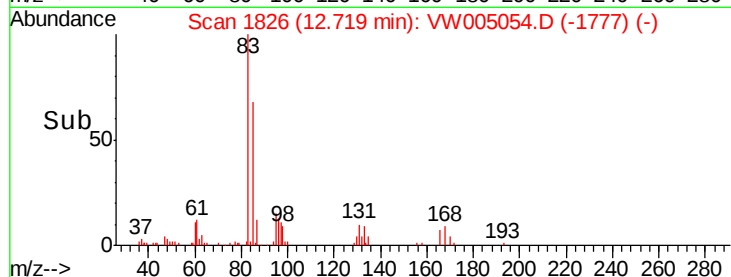
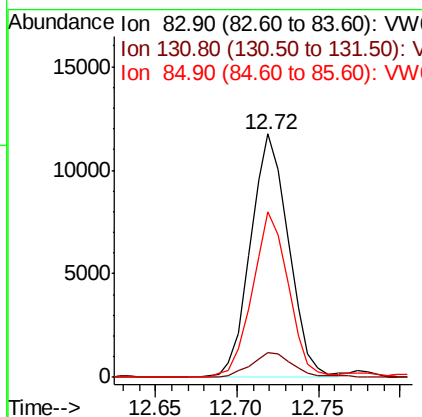
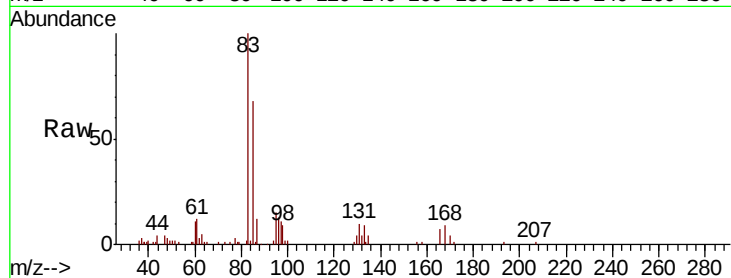
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19089
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	64.5	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.25 ug/l m

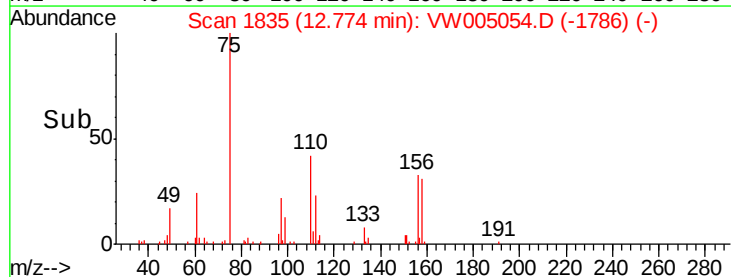
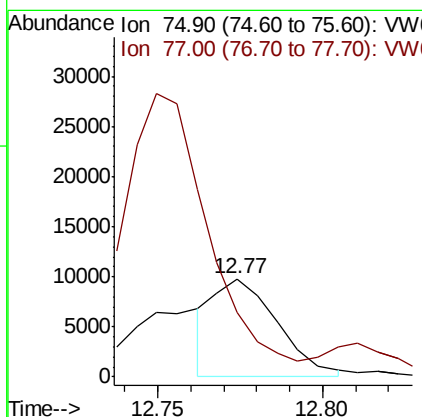
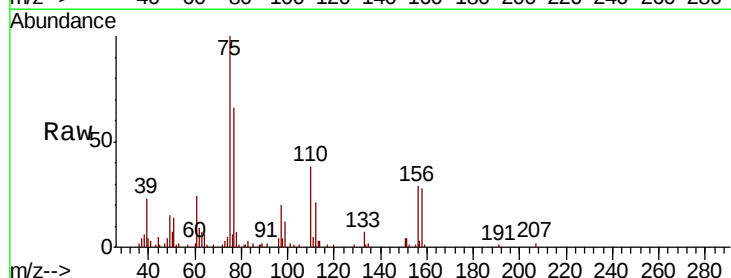
RT: 12.77 min Scan# 1835

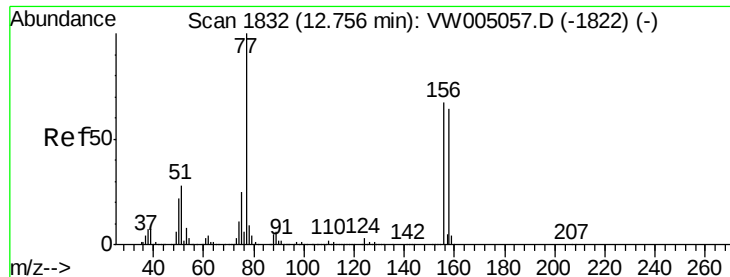
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	75	Resp:	13210
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.08 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 29695

Ion Ratio Lower Upper

156 100

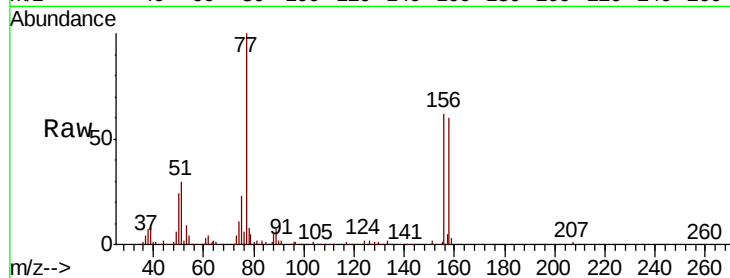
77 175.3 85.8 257.4

158 97.3 48.1 144.4

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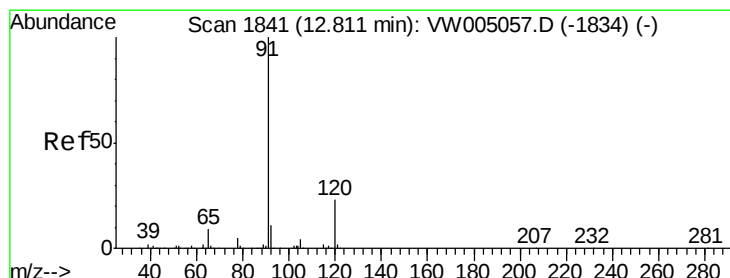
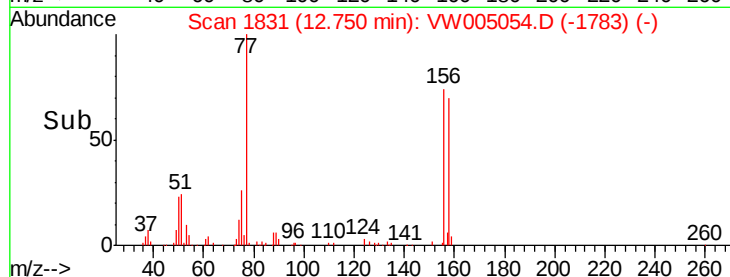
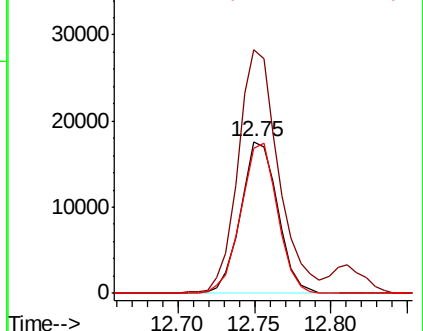
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.50 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW005054.D

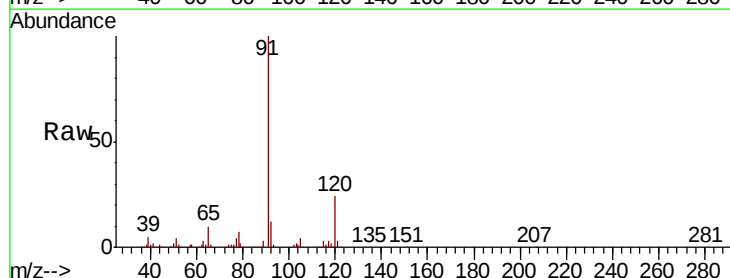
Acq: 31 Aug 2018 23:48

Tgt Ion: 91 Resp: 132013

Ion Ratio Lower Upper

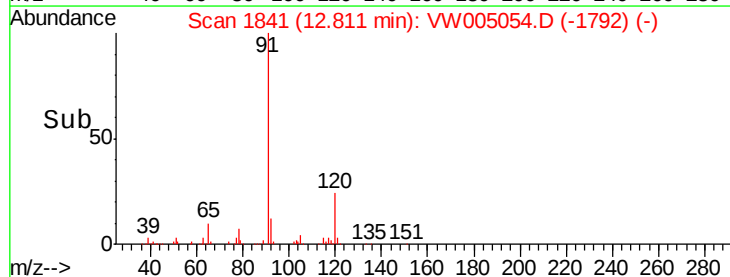
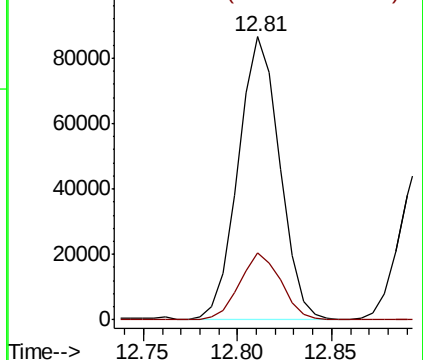
91 100

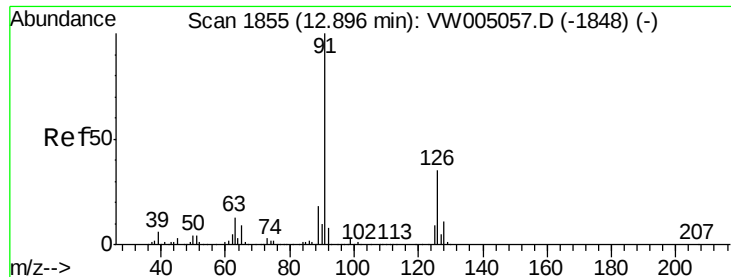
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.78 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 80979

Ion Ratio Lower Upper

91 100

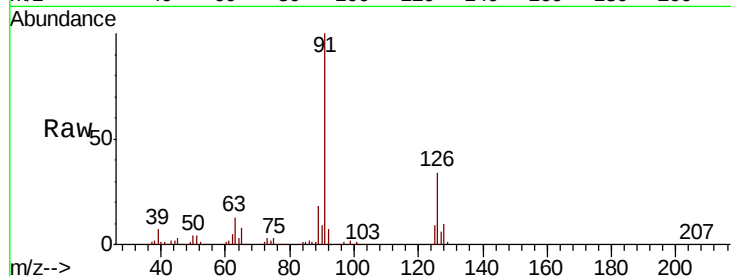
126 34.9 17.3 52.0

Manual Integrations

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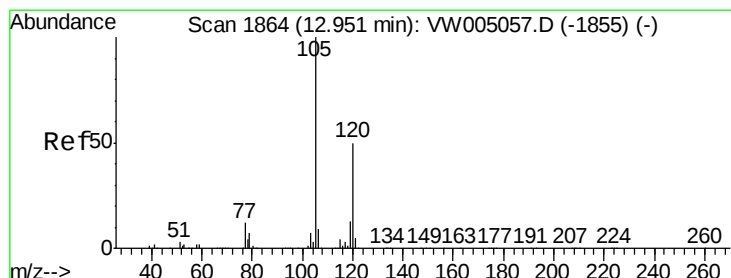
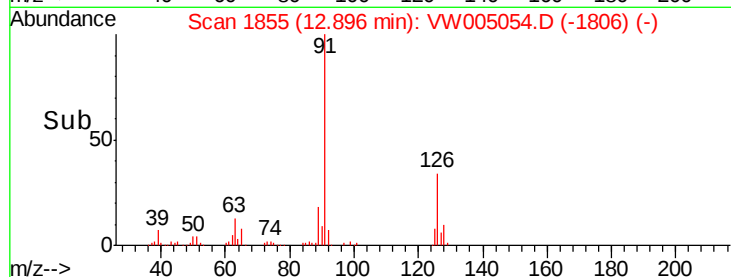
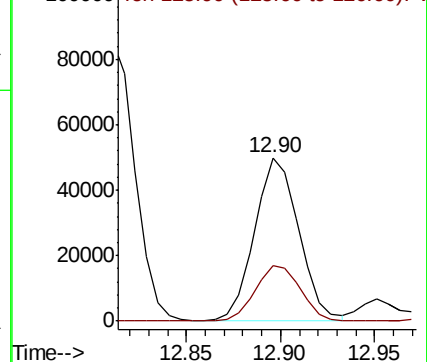
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.49 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005054.D

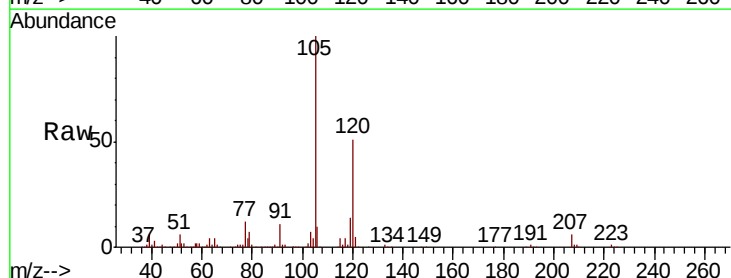
Acq: 31 Aug 2018 23:48

Tgt Ion:105 Resp: 94190

Ion Ratio Lower Upper

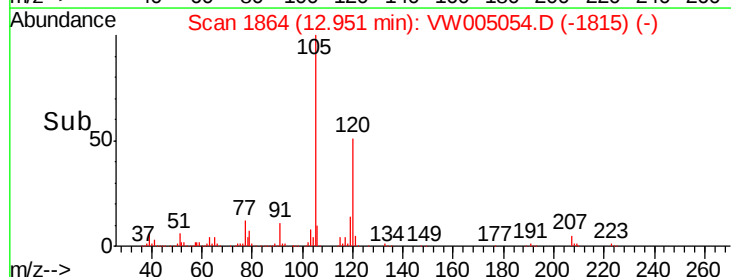
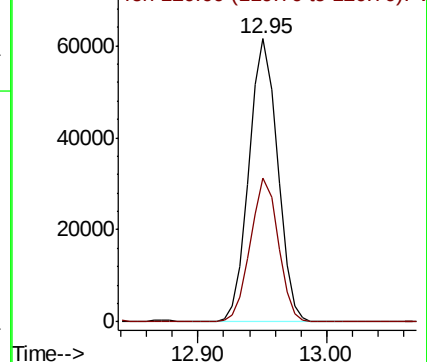
105 100

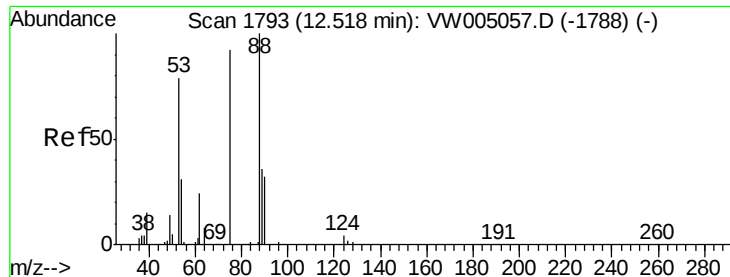
120 49.7 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





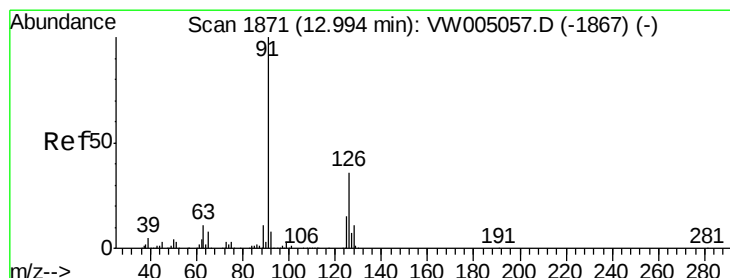
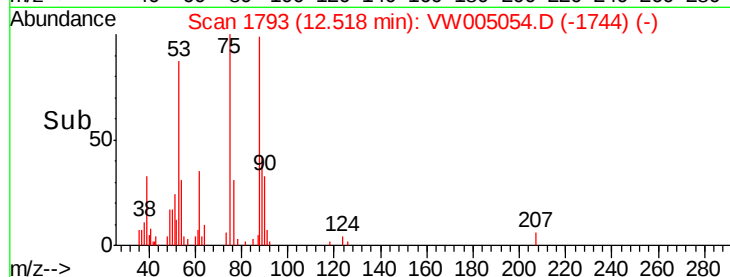
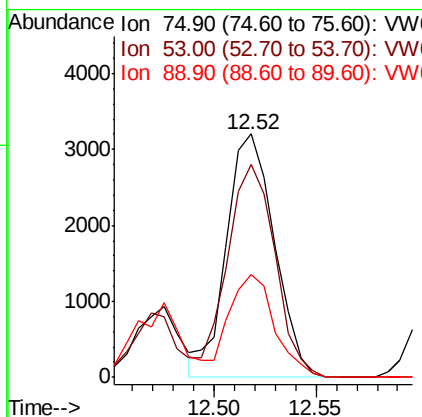
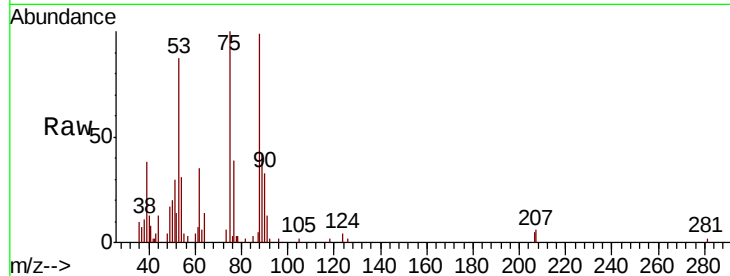
#81
trans-1,4-Dichloro-2-butene
Concen: 4.76 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	69.8	104.8
89	39.3	36.0	54.0

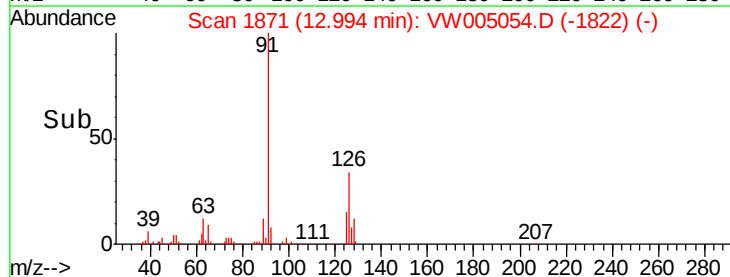
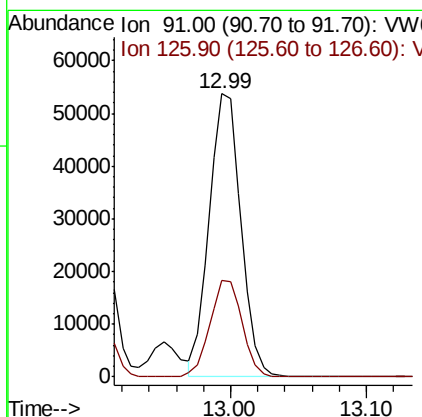
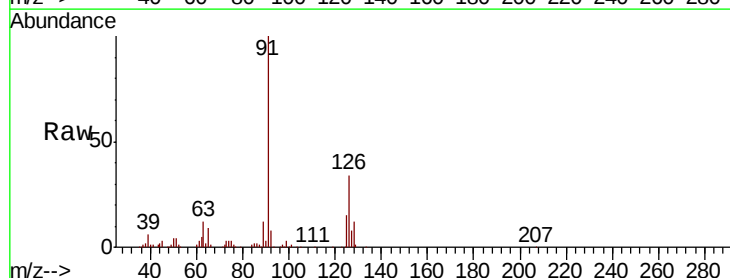
Manual Integrations
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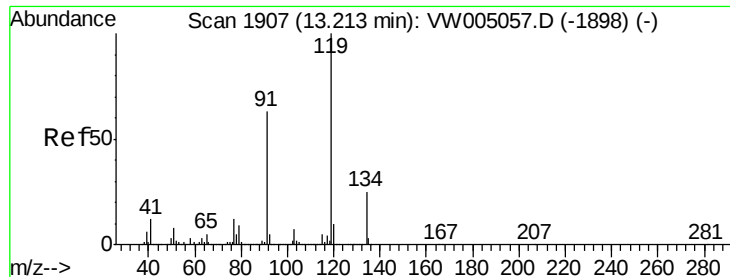
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#82
4-Chlorotoluene
Concen: 4.83 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.4	52.3





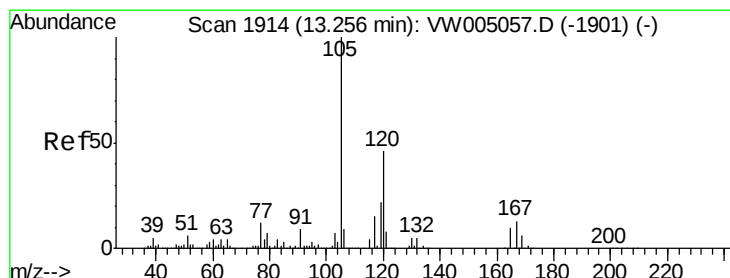
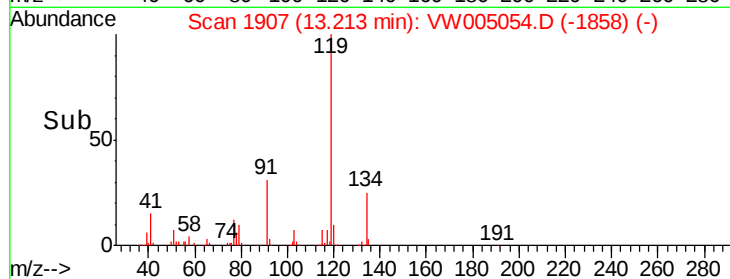
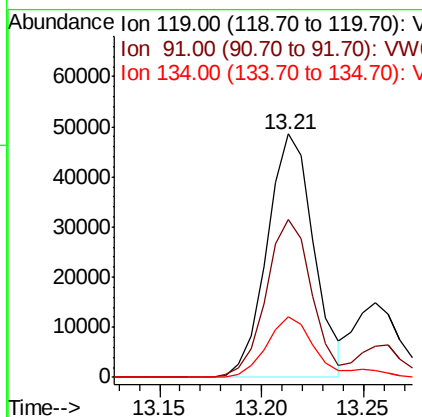
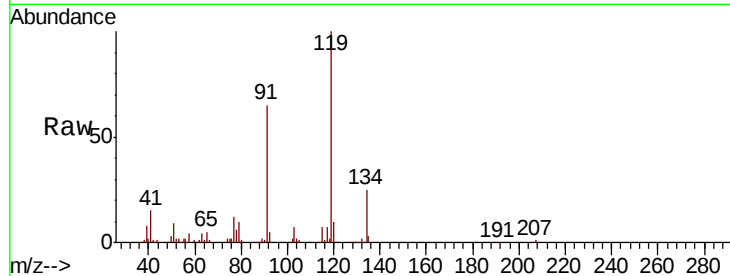
#83
tert-Butylbenzene
Concen: 4.38 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.0	31.8	95.4
134	25.0	13.0	39.0

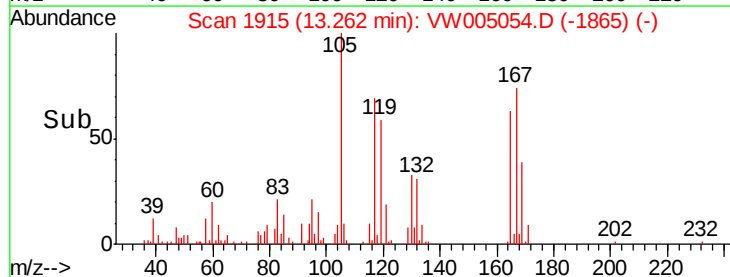
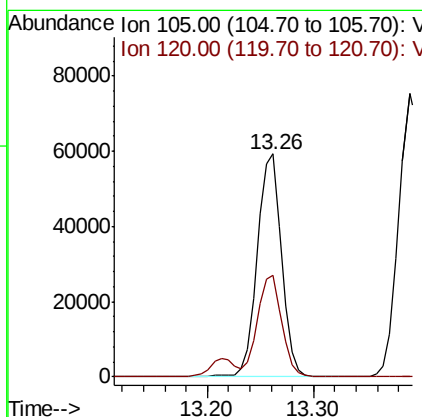
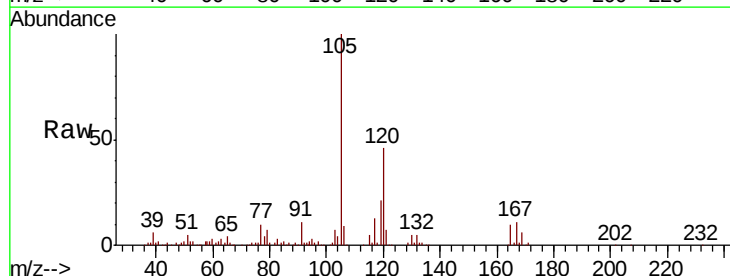
Manual Integrations
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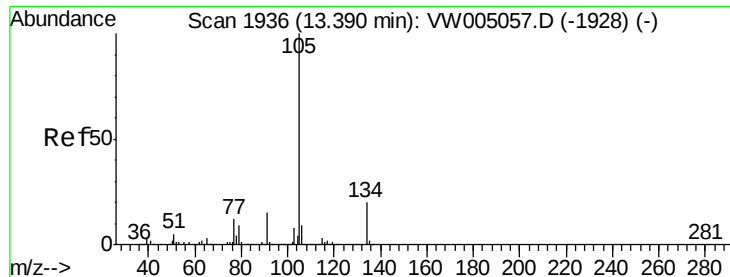
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#84
1,2,4-Trimethylbenzene
Concen: 4.47 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 4.56 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 117880

Ion Ratio Lower Upper

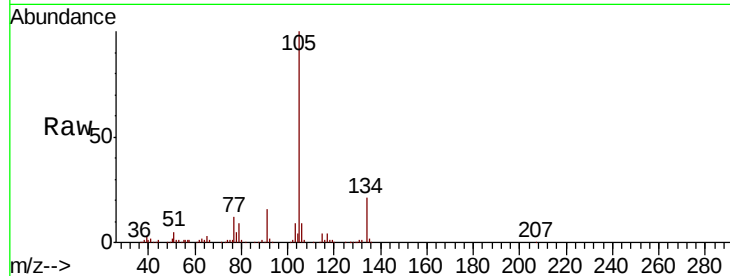
105 100

134 20.5 10.1 30.3

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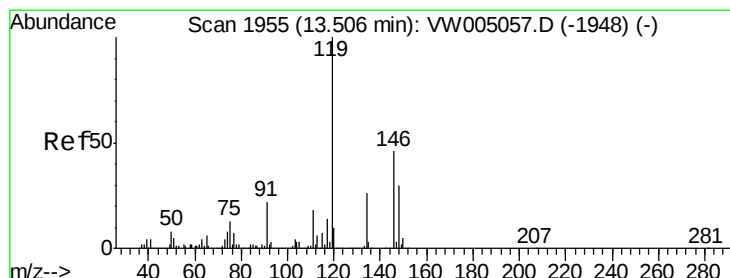
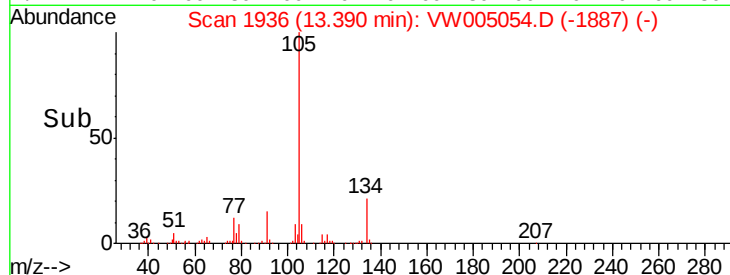
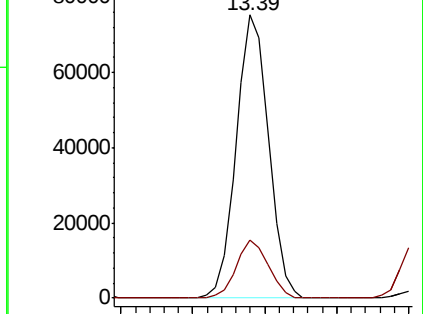
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.32 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

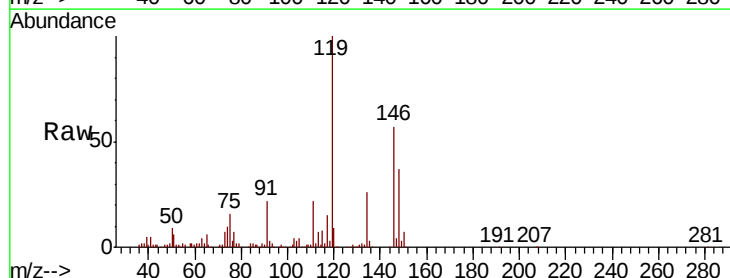
Tgt Ion:119 Resp: 100053

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

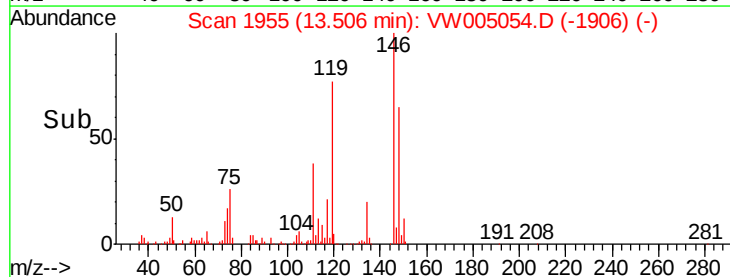
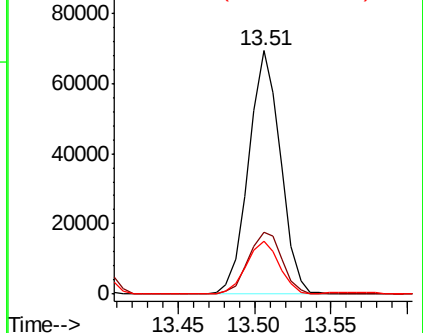
91 22.6 10.9 32.9

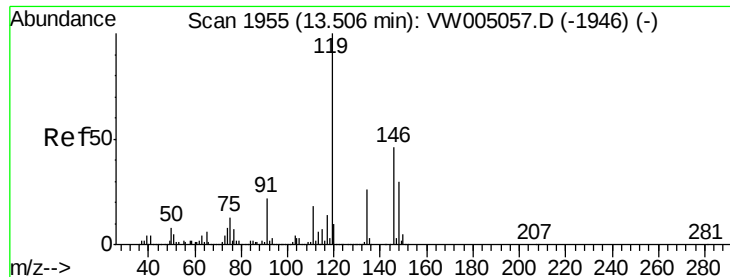


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.21 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005054.D

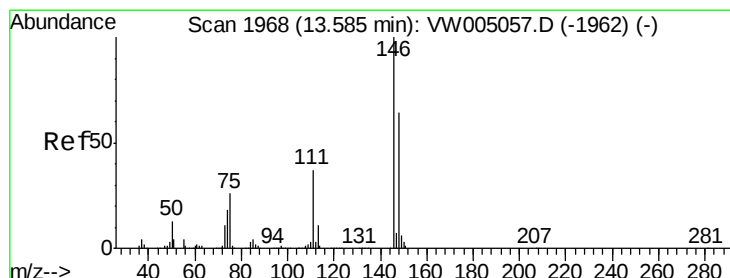
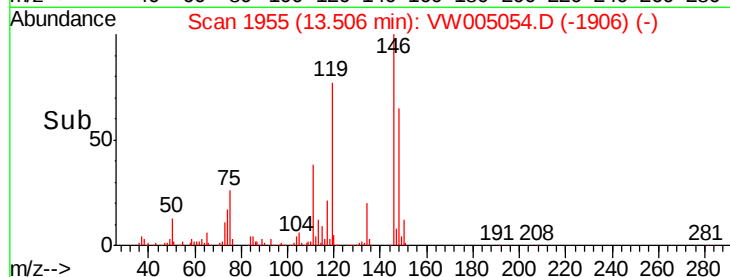
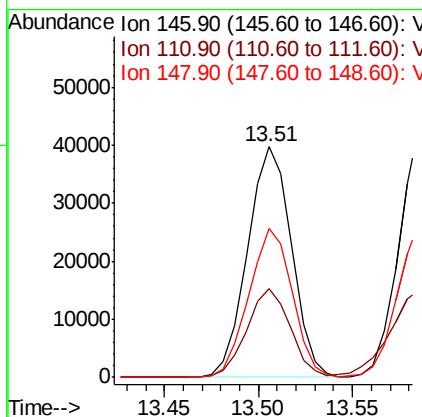
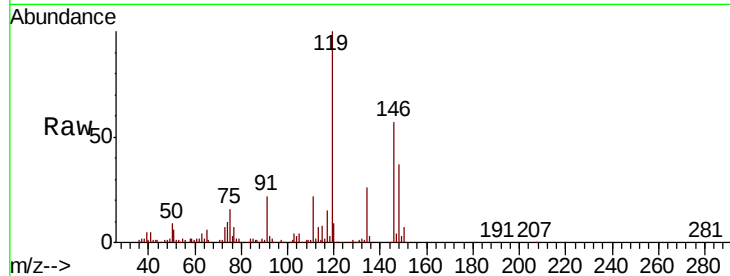
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.2	57.6
148	63.8	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 5.39 ug/l

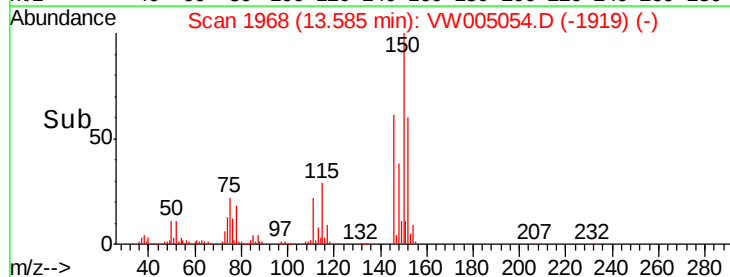
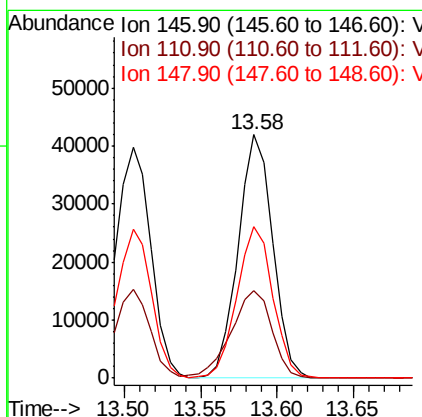
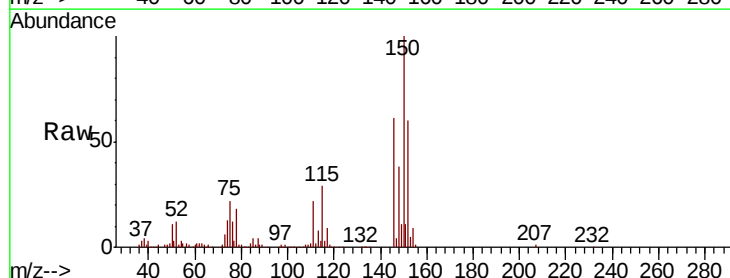
RT: 13.58 min Scan# 1968

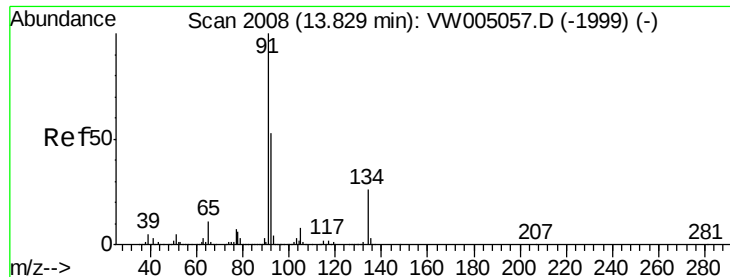
Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.6	56.0
148	64.8	32.0	96.0





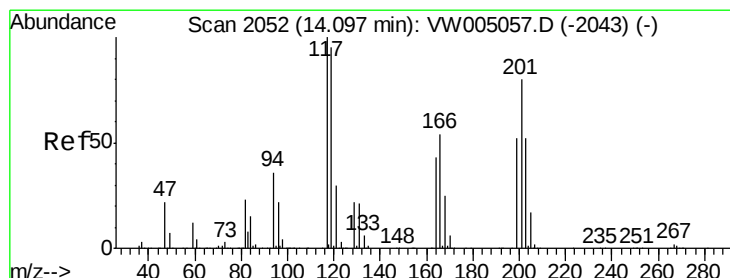
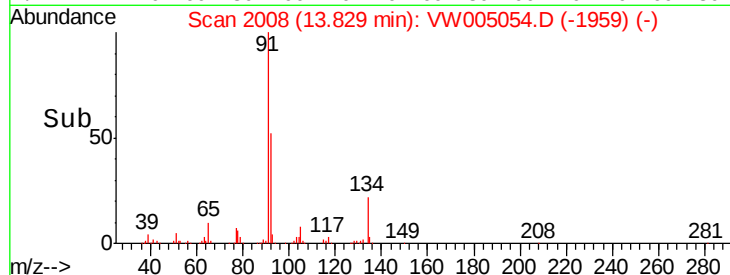
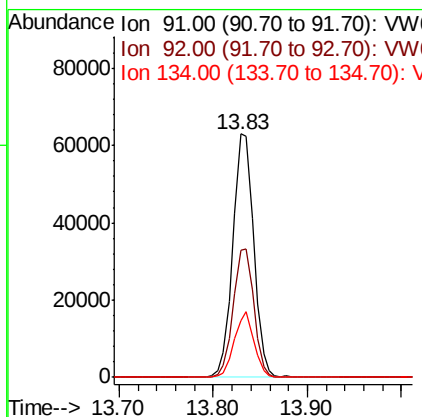
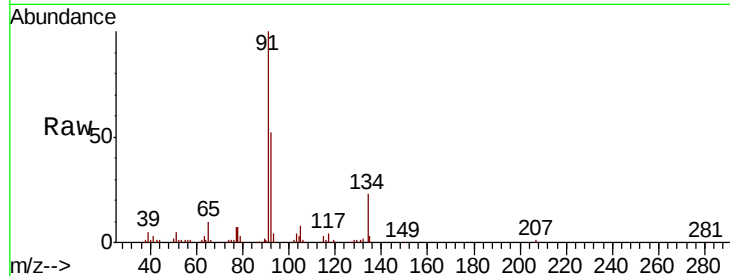
#89
n-Butylbenzene
Concen: 4.49 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.5	79.5
134	25.2	13.5	40.4

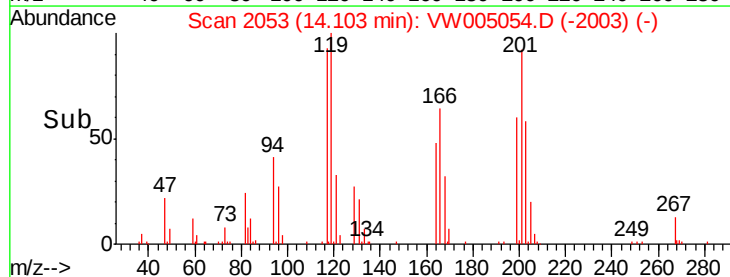
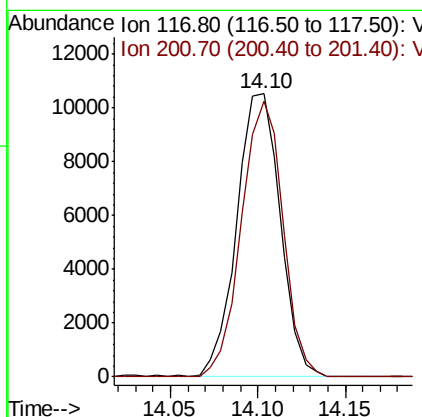
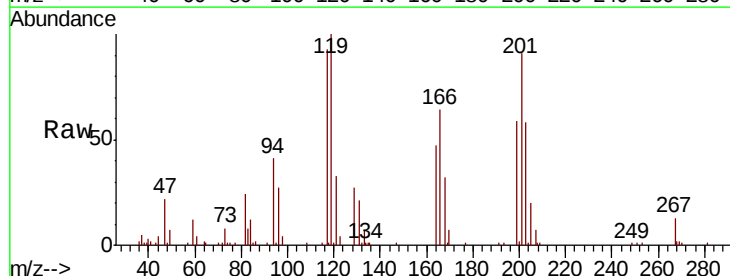
Manual Integrations
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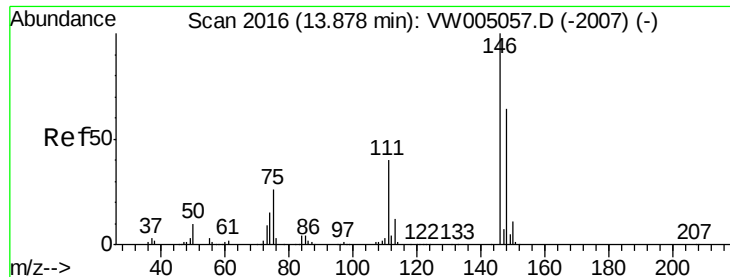
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#90
Hexachloroethane
Concen: 5.02 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	44.6	133.8





#91

1,2-Dichlorobenzene

Concen: 5.18 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Instrument :

MSVOA_W

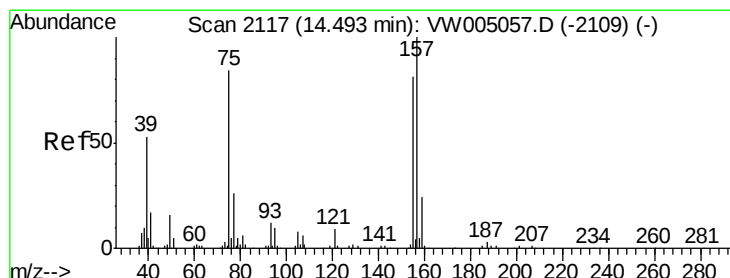
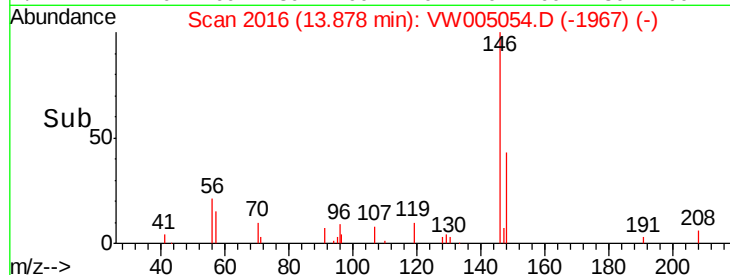
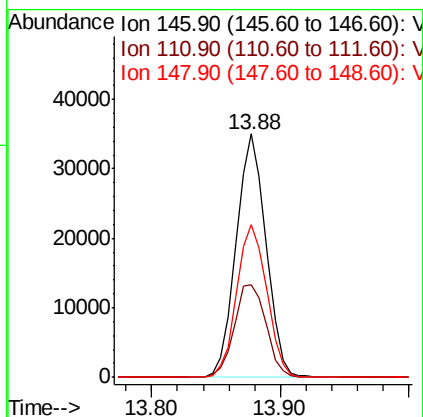
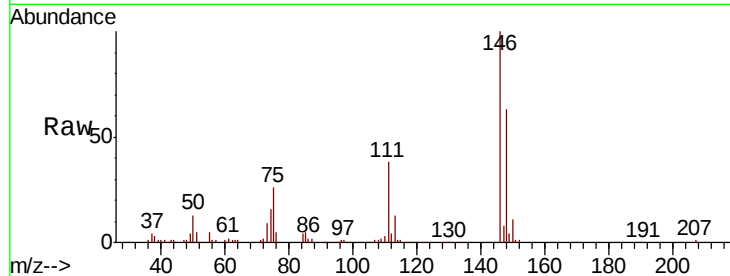
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	56134
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.9	59.7
148	63.5	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.40 ug/l

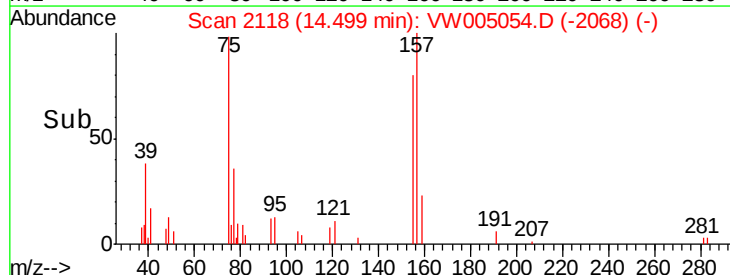
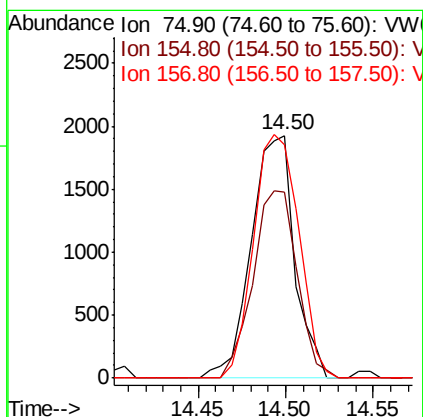
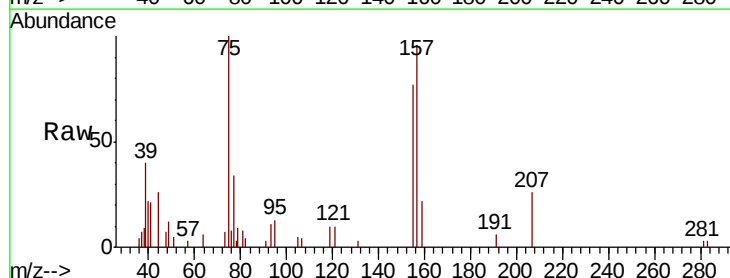
RT: 14.50 min Scan# 2118

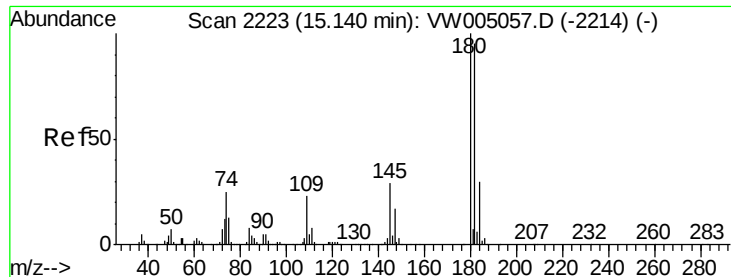
Delta R.T. 0.01 min

Lab File: VW005054.D

Acq: 31 Aug 2018 23:48

Tgt Ion:	75	Resp:	3312
Ion Ratio	Lower	Upper	
75	100		
155	78.8	46.0	137.8
157	105.1	58.6	175.7





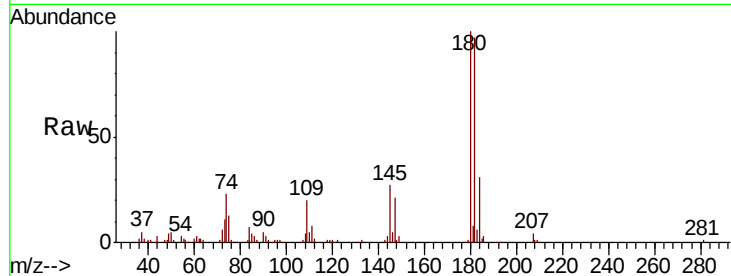
#93
 1,2,4-Trichlorobenzene
 Concen: 4.77 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.01 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

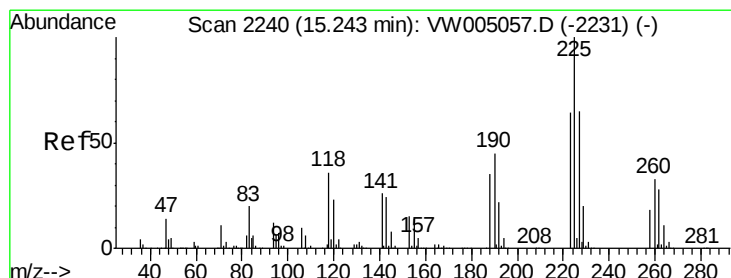
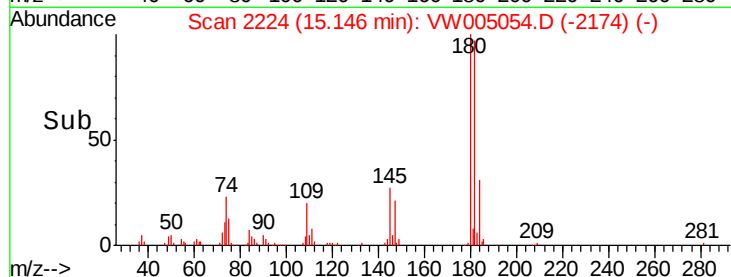
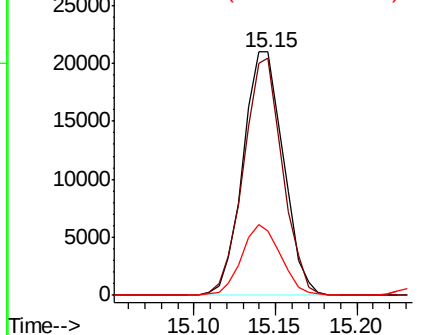
Tot Ion	Ratio	Resp	Lower	Upper
180	100	36069		
182	94.5		47.5	142.6
145	28.2		14.4	43.2

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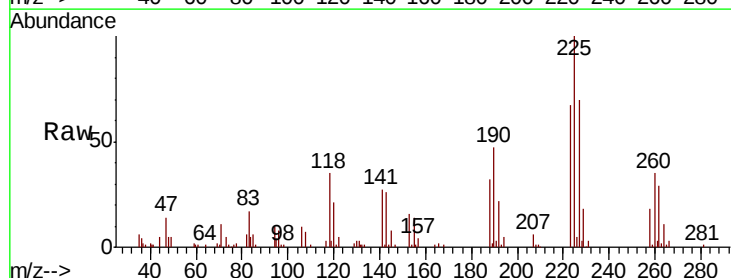


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

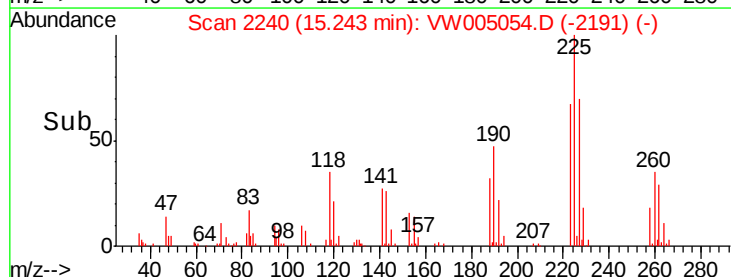
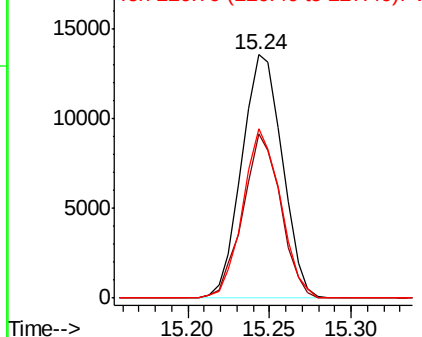


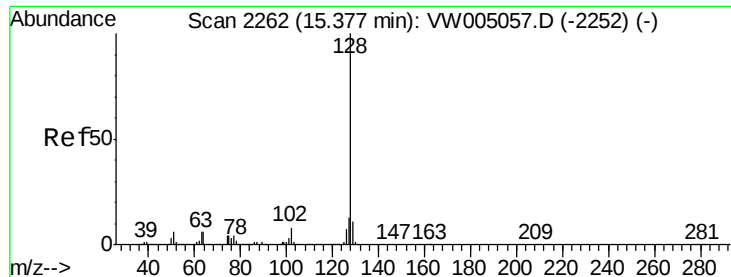
#94
 Hexachlorobutadiene
 Concen: 4.97 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VW005054.D
 Acq: 31 Aug 2018 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23479		
223	62.9		31.4	94.3
227	64.8		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





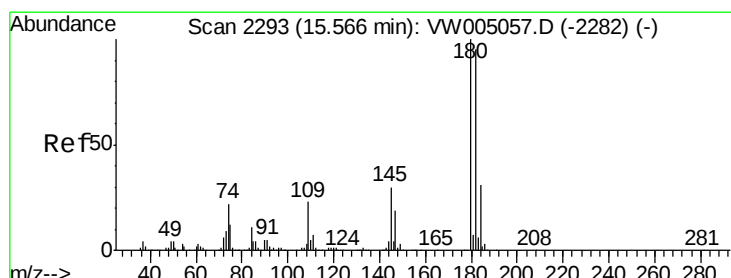
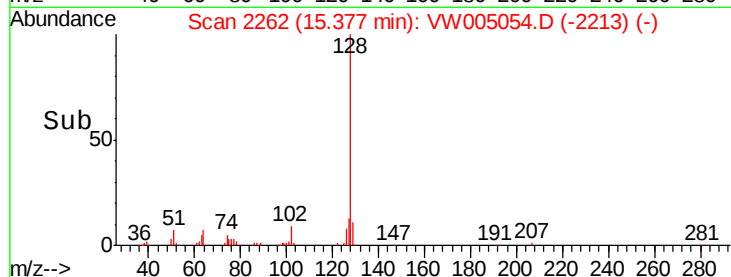
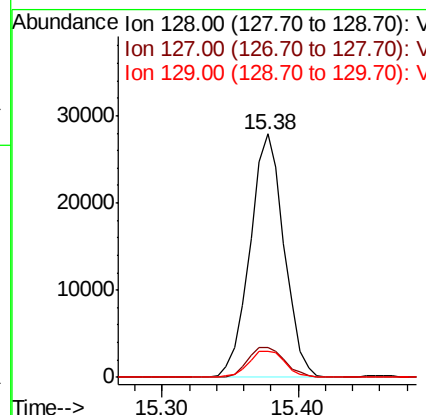
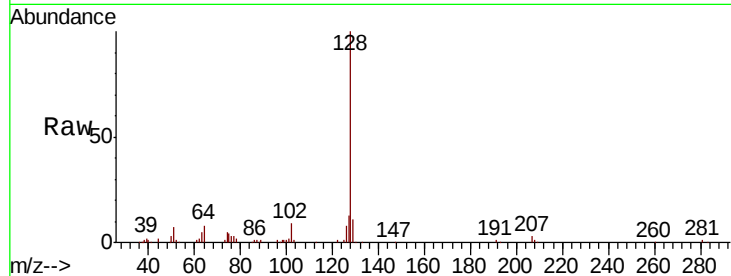
#95
Naphthalene
Concen: 3.99 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	128	Resp:	49021
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 4.71 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW005054.D
Acq: 31 Aug 2018 23:48

Tgt Ion:	180	Resp:	31322
Ion Ratio	Lower	Upper	
180	100		
182	92.6	47.4	142.3
145	31.7	15.4	46.1

