

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004787.D
 Acq On : 20 Aug 2018 13:37
 Operator : SY/AP
 Sample : VW0820SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:31:52 AM

Quant Time: Aug 20 14:43:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	659336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	968526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	879934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	475324	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	304278	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	
35) Dibromofluoromethane	7.89	113	317102	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	10.33	98	1286623	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.62	95	454797	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	94984	21.75	ug/l	96
3) Chloromethane	2.22	50	111861	19.59	ug/l	99
4) Vinyl Chloride	2.37	62	180358	21.46	ug/l	100
5) Bromomethane	2.79	94	111672	21.51	ug/l	97
6) Chloroethane	2.93	64	107308	21.16	ug/l	100
7) Trichlorofluoromethane	3.26	101	96839	24.46	ug/l	96
8) Diethyl Ether	3.68	74	69661	19.46	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	145186	21.29	ug/l	99
10) Methyl Iodide	4.27	142	219000	21.15	ug/l	98
11) Tert butyl alcohol	5.23	59	34297	96.31	ug/l	99
12) 1,1-Dichloroethene	4.04	96	139165	20.48	ug/l	95
13) Acrolein	3.90	56	48182	100.82	ug/l	99
14) Allyl chloride	4.67	41	201831	19.57	ug/l	99
15) Acrylonitrile	5.38	53	143186	95.37	ug/l	99
16) Acetone	4.14	43	159965	98.30	ug/l	100
17) Carbon Disulfide	4.37	76	458593	20.54	ug/l	99
18) Methyl Acetate	4.68	43	65184	18.69	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	179919	20.40	ug/l	95
20) Methylene Chloride	4.91	84	181192	21.97	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	146641	20.28	ug/l	94
22) Diisopropyl ether	6.32	45	406834	20.53	ug/l	98
23) Vinyl Acetate	6.26	43	1083423	96.65	ug/l	100
24) 1,1-Dichloroethane	6.22	63	256143	19.89	ug/l	100
25) 2-Butanone	7.18	43	224053	96.64	ug/l	97
26) 2,2-Dichloropropane	7.17	77	161645	21.73	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	156785	20.15	ug/l	99
28) Bromochloromethane	7.51	49	102179	18.84	ug/l	97
29) Tetrahydrofuran	7.54	42	111948	94.69	ug/l	98
30) Chloroform	7.68	83	249304	19.68	ug/l	100
31) Cyclohexane	7.96	56	254425	20.42	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	208975	20.81	ug/l	99
36) 1,1-Dichloropropene	8.09	75	206284	20.67	ug/l	99
37) Ethyl Acetate	7.26	43	74219	18.66	ug/l	97
38) Carbon Tetrachloride	8.07	117	195101	21.24	ug/l	98

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Quant Time: Aug 20 14:43:41 2018
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 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	263852	21.15	ug/l	99
40) Benzene	8.33	78	594923	20.52	ug/l	99
41) Methacrylonitrile	7.49	41	45797	20.29	ug/l	98
42) 1,2-Dichloroethane	8.41	62	147581	19.85	ug/l	98
43) Isopropyl Acetate	8.43	43	137374	19.23	ug/l	99
44) Trichloroethene	9.09	130	151030	20.52	ug/l	100
45) 1,2-Dichloropropane	9.37	63	143413	20.22	ug/l	98
46) Dibromomethane	9.46	93	69327	19.73	ug/l	99
47) Bromodichloromethane	9.65	83	167073	19.91	ug/l	97
48) Methyl methacrylate	9.44	41	65603	19.57	ug/l	99
49) 1,4-Dioxane	9.48	88	22537	439.00	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	473630	98.09	ug/l	99
52) Toluene	10.39	92	367272	21.12	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	167459	19.81	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	207498	20.59	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	100704	20.16	ug/l	98
56) Ethyl methacrylate	10.65	69	116192	19.73	ug/l	99
57) 1,3-Dichloropropane	10.94	76	170171	19.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	285361	103.45	ug/l	100
59) 2-Hexanone	10.98	43	322817	98.67	ug/l	100
60) Dibromochloromethane	11.13	129	109596	19.56	ug/l	99
61) 1,2-Dibromoethane	11.24	107	94446	19.78	ug/l	99
64) Tetrachloroethene	10.87	164	127362	21.18	ug/l	99
65) Chlorobenzene	11.66	112	390438	20.62	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	132712	20.75	ug/l	98
67) Ethyl Benzene	11.74	91	661507	20.60	ug/l	97
68) m/p-Xylenes	11.85	106	527543	42.23	ug/l	98
69) o-Xylene	12.17	106	247156	21.37	ug/l	93
70) Styrene	12.19	104	411409	21.18	ug/l	98
71) Bromoform	12.35	173	67982	20.14	ug/l #	97
73) Isopropylbenzene	12.47	105	701132	21.68	ug/l	99
74) N-amyl acetate	12.28	43	129180	19.70	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	120215	20.07	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	83343m	19.89	ug/l	
77) Bromobenzene	12.76	156	163936	20.94	ug/l	97
78) n-propylbenzene	12.81	91	851573	21.58	ug/l	100
79) 2-Chlorotoluene	12.90	91	474076	20.84	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	593291	21.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36435	20.21	ug/l	99
82) 4-Chlorotoluene	12.99	91	509974	21.10	ug/l	100
83) tert-Butylbenzene	13.21	119	496813	21.14	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	618420	21.88	ug/l	98
85) sec-Butylbenzene	13.39	105	756942	21.58	ug/l	100
86) p-Isopropyltoluene	13.51	119	671738	22.01	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	340740	21.40	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	333555	20.96	ug/l	98
89) n-Butylbenzene	13.83	91	613543	20.79	ug/l	99
90) Hexachloroethane	14.10	117	112909	20.29	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	296838	20.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18047	19.28	ug/l	94

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	209977	20.76	ug/l	98
94) Hexachlorobutadiene	15.25	225	135115	21.76	ug/l	99
95) Naphthalene	15.38	128	350307	20.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	184561	20.58	ug/l	97

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

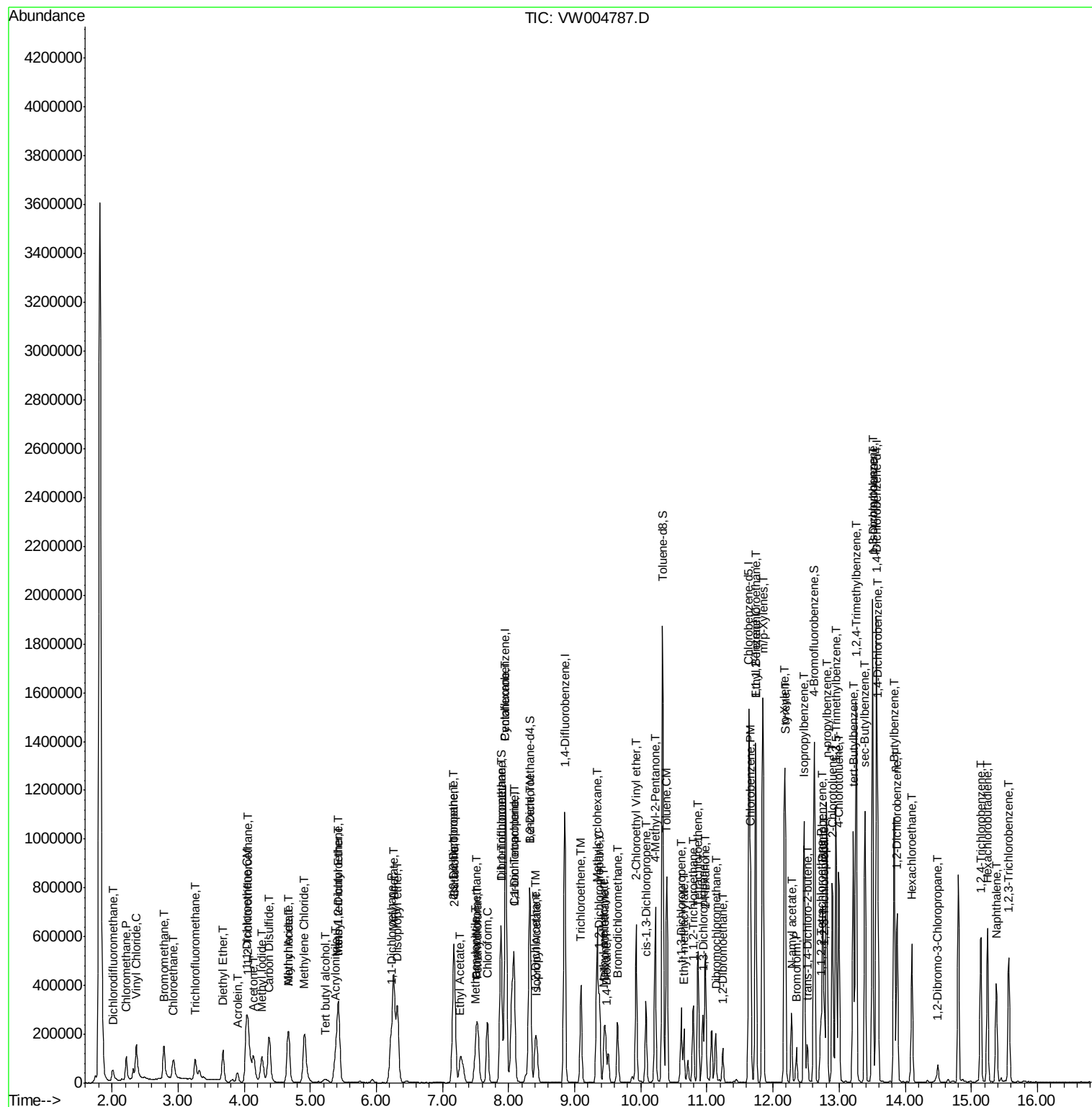
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Data File : VW004787.D
Acq On : 20 Aug 2018 13:37
Operator : SY/AP
Sample : VW0820SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

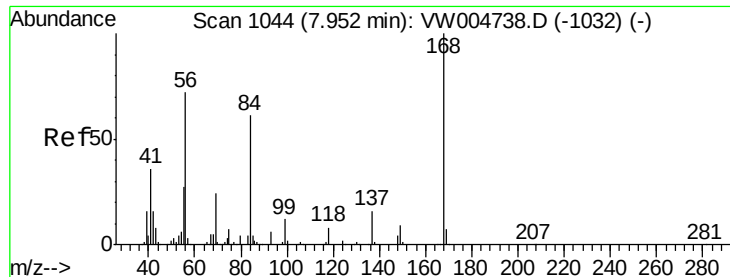
Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

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Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampled :

VW0820SBS01

Tot Ion:168 Resp: 659336

Ion Ratio Lower Upper

168 100

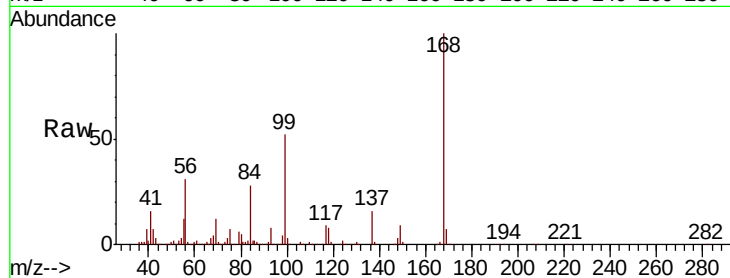
99 51.8 41.0 61.4

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

7.95

300000

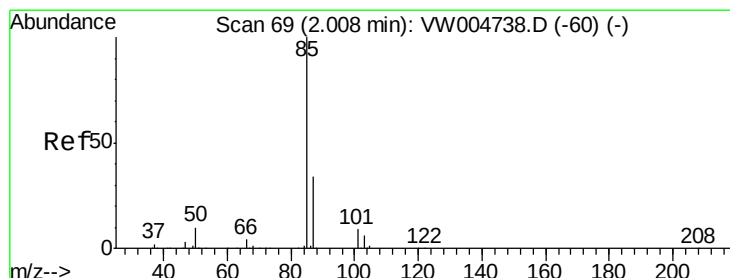
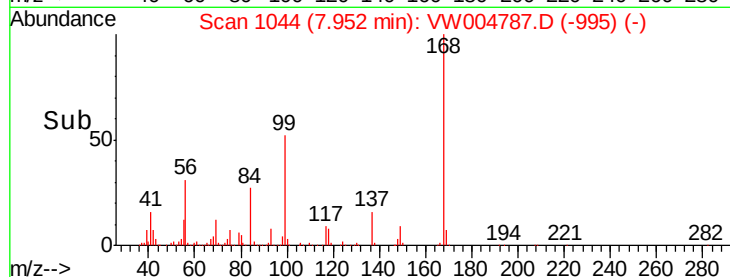
200000

100000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.75 ug/l

RT: 2.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VW004787.D

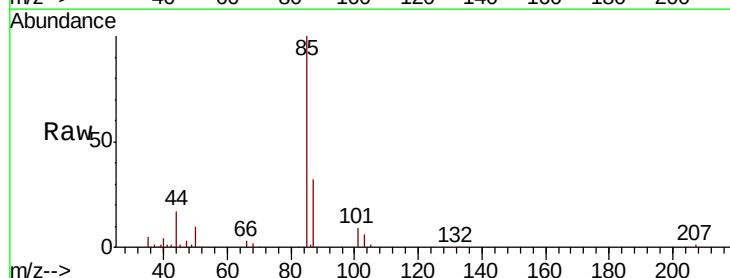
Acq: 20 Aug 2018 13:37

Tgt Ion: 85 Resp: 94984

Ion Ratio Lower Upper

85 100

87 31.5 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

15000

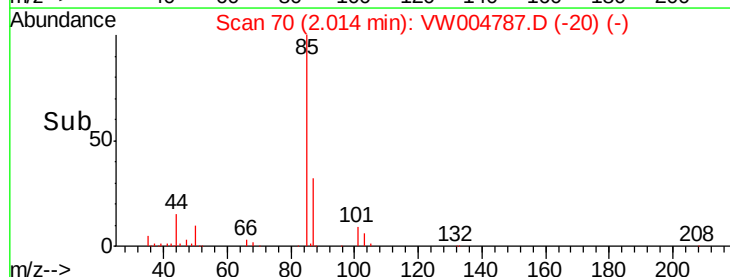
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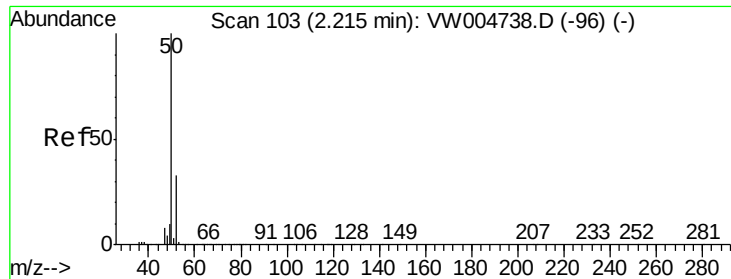
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.59 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion: 50 Resp: 111861

Ion Ratio Lower Upper

50 100

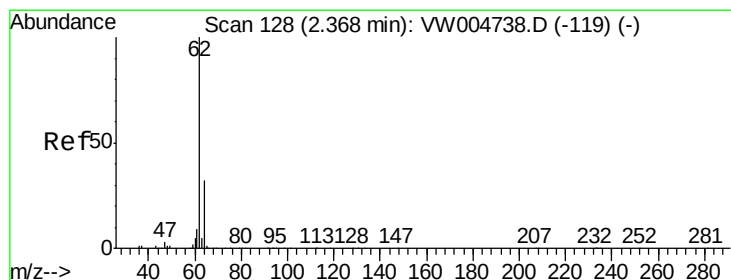
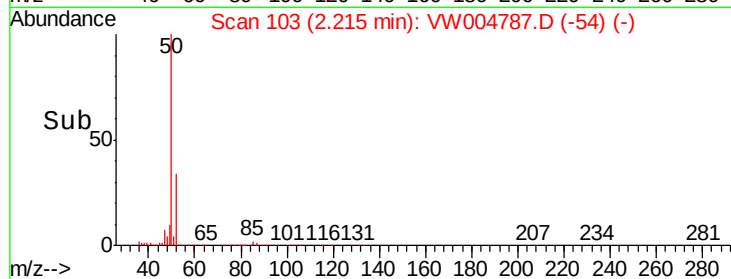
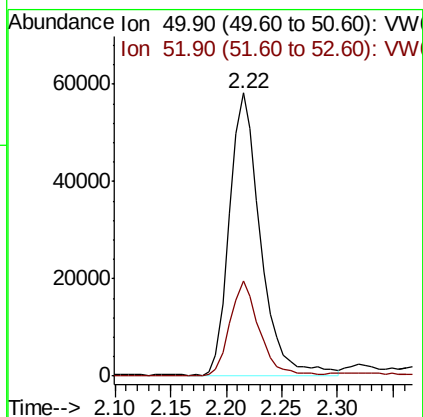
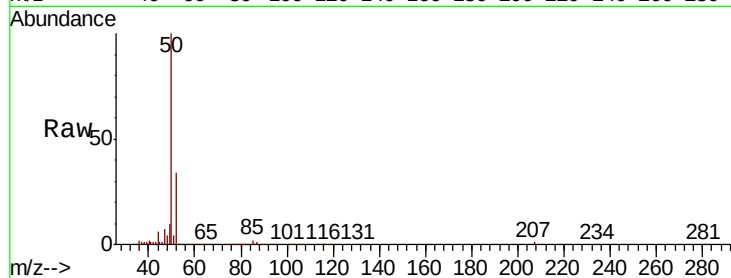
52 33.7 26.7 40.1

Manual Integrations

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8/21/2018 11:31:52 AM



#4

Vinyl Chloride

Concen: 21.46 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004787.D

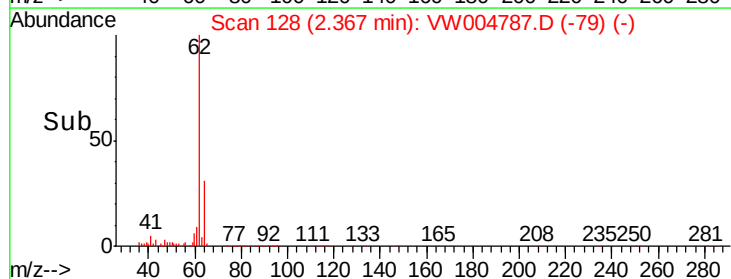
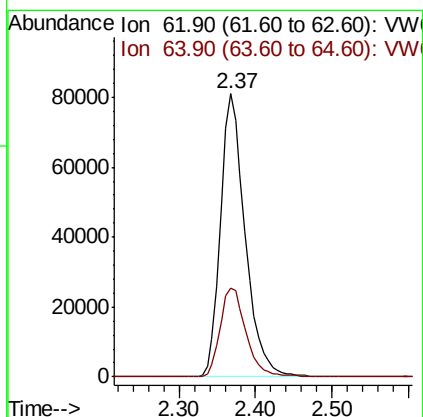
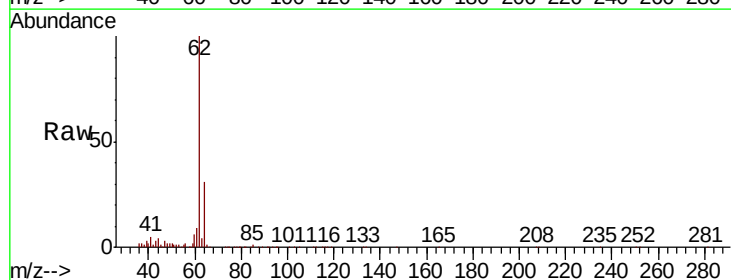
Acq: 20 Aug 2018 13:37

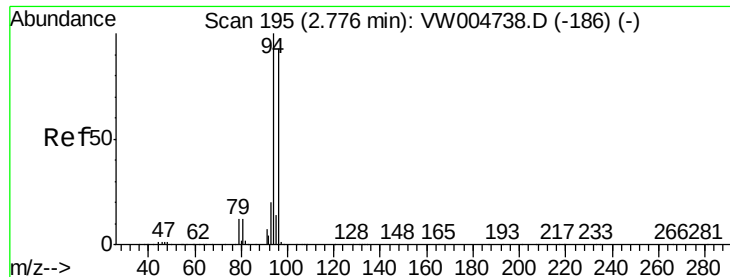
Tgt Ion: 62 Resp: 180358

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 21.51 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

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ClientSampleId :

VW0820SBSD01

Tot Ion: 94 Resp: 111672

Ion Ratio Lower Upper

94 100

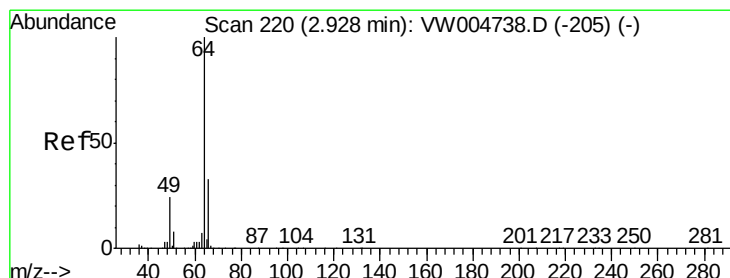
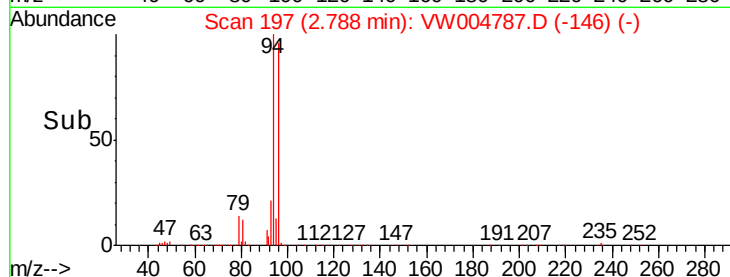
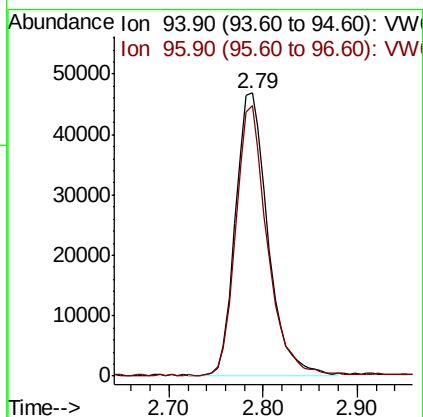
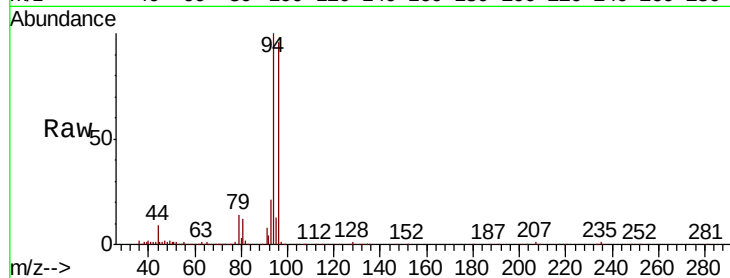
96 95.4 74.3 111.5

Manual Integrations

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8/21/2018 11:31:52 AM



#6

Chloroethane

Concen: 21.16 ug/l

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004787.D

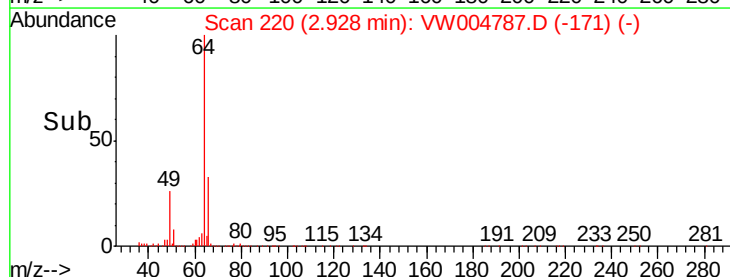
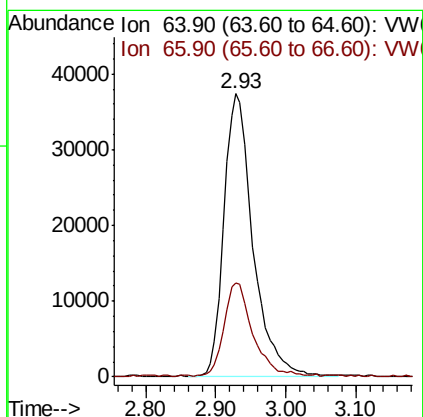
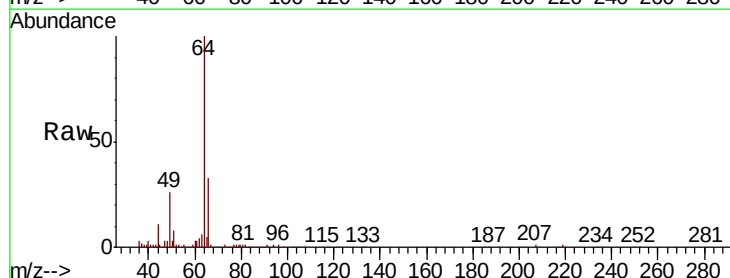
Acq: 20 Aug 2018 13:37

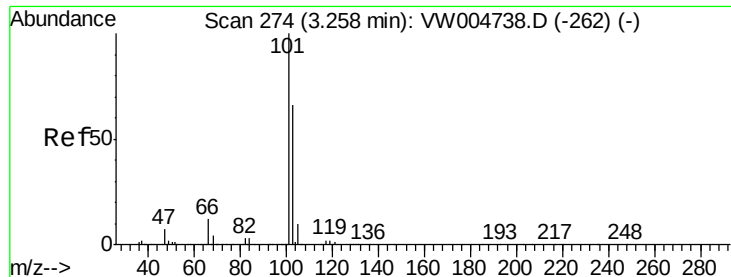
Tgt Ion: 64 Resp: 107308

Ion Ratio Lower Upper

64 100

66 32.7 26.1 39.1





#7

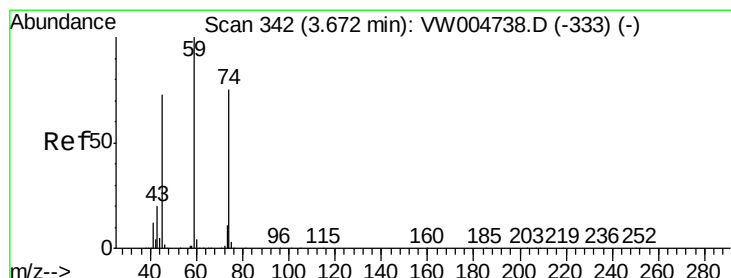
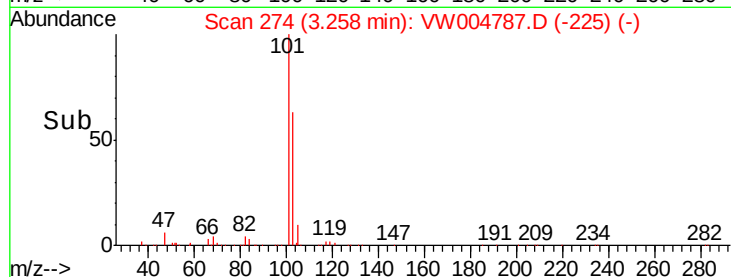
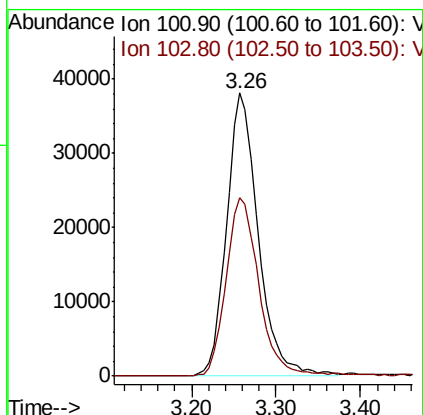
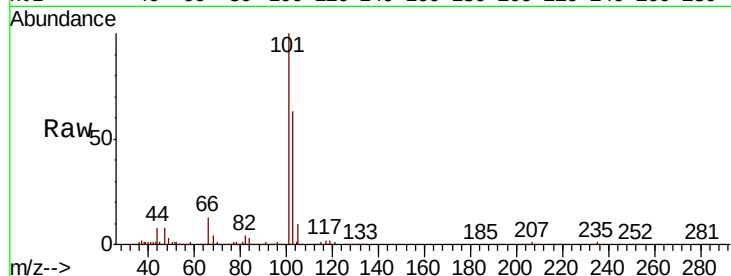
Trichlorofluoromethane
 Concen: 24.46 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	52.5	78.7

Manual Integrations
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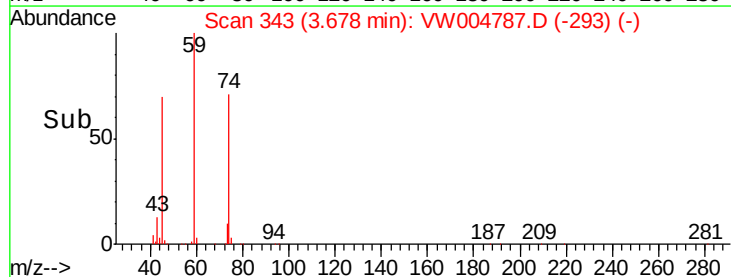
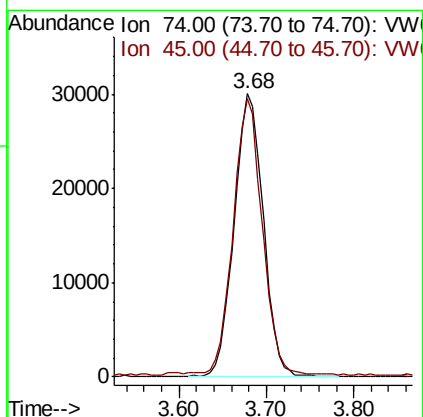
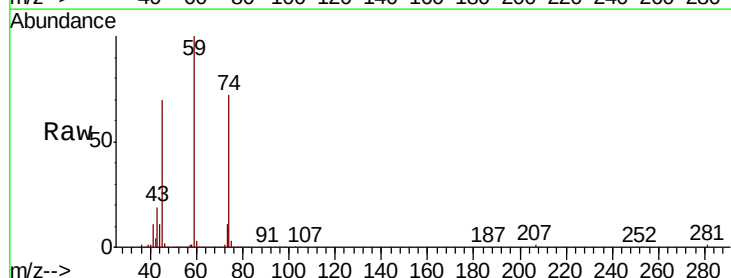
apatel
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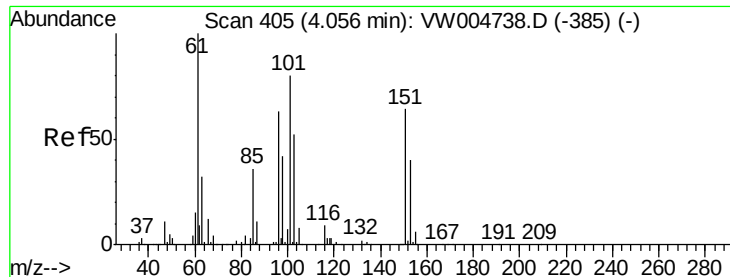


#8

Diethyl Ether
 Concen: 19.46 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.29 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

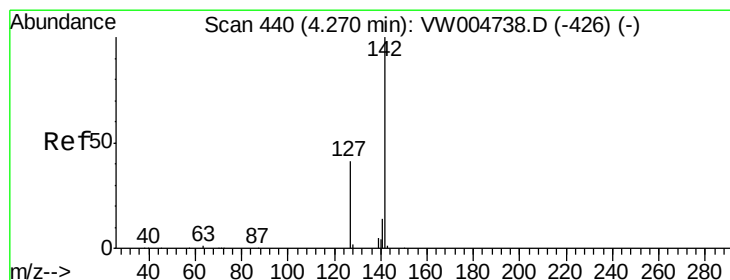
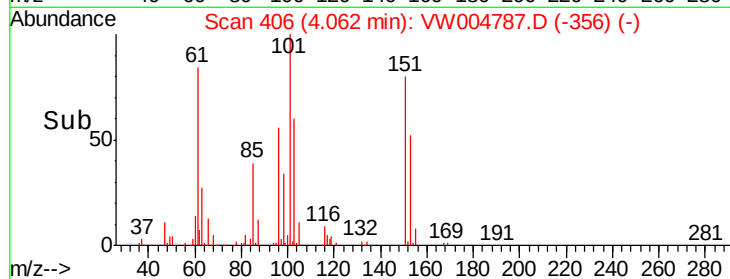
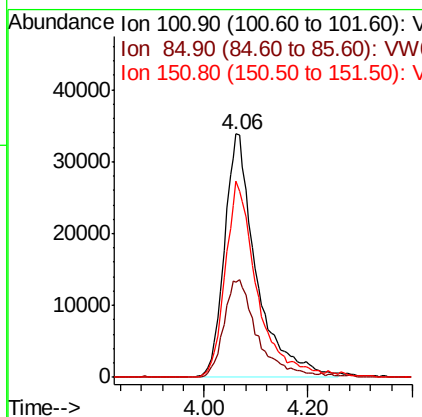
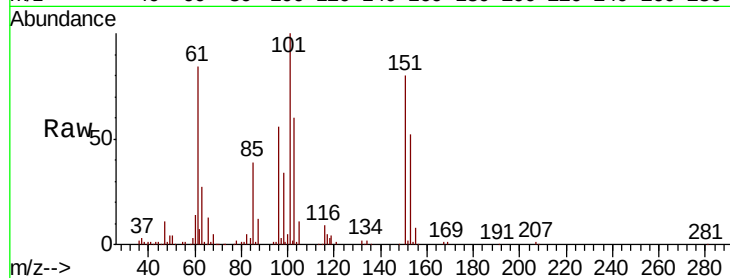
ClientSampleId :

VW0820SBSD01

Tot Ion:	101	Resp:	145186
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.9	50.9
151	79.8	63.4	95.2

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#10

Methyl Iodide

Concen: 21.15 ug/l

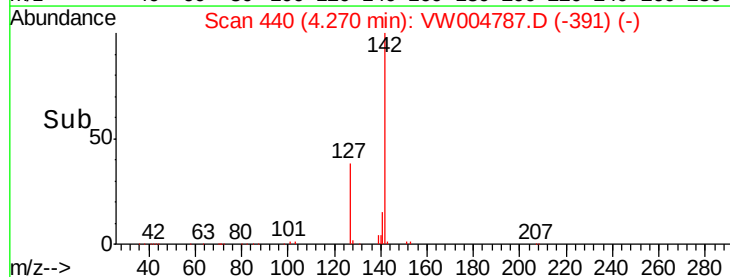
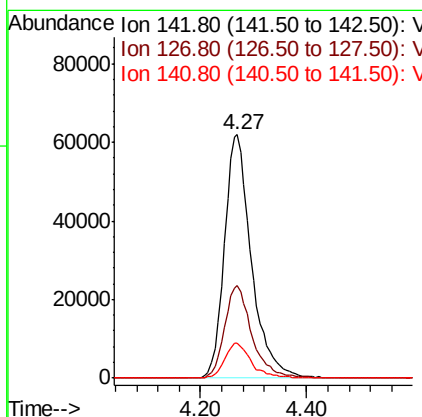
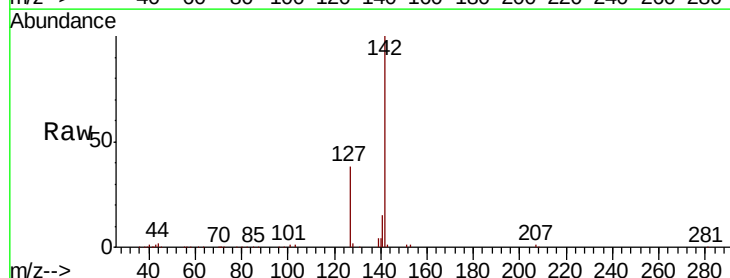
RT: 4.27 min Scan# 440

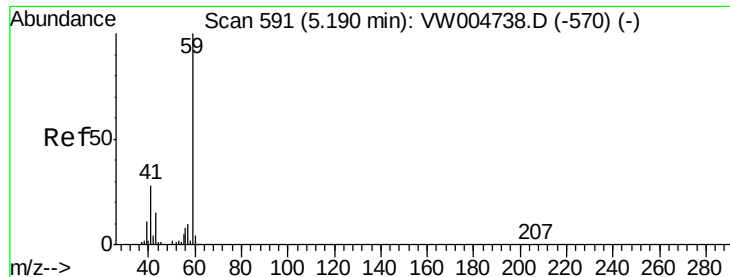
Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion:	142	Resp:	219000
Ion Ratio	Lower	Upper	
142	100		
127	38.6	32.1	48.1
141	14.2	11.7	17.5





#11

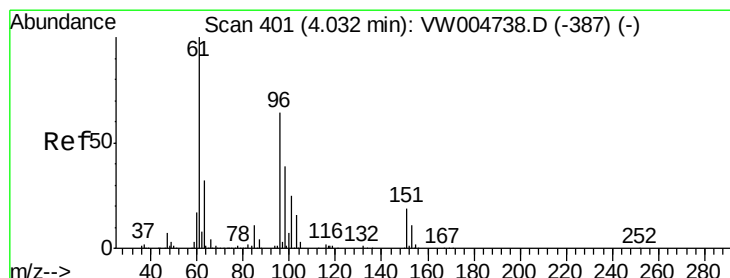
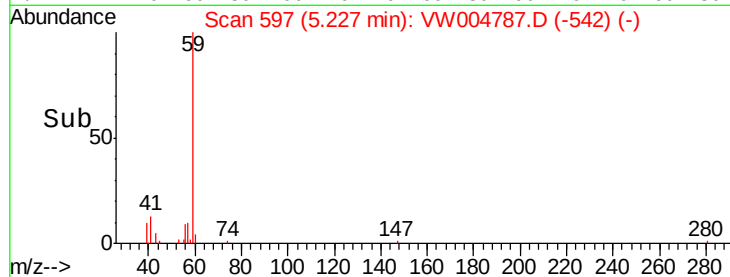
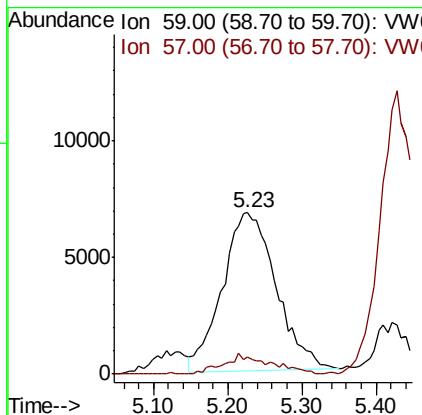
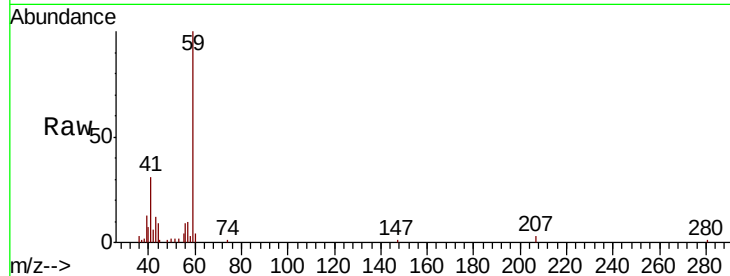
Tert butyl alcohol
Concen: 96.31 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.04 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	59	Resp	34297
Ion Ratio	100	Lower	Upper
57	10.9	8.4	12.6

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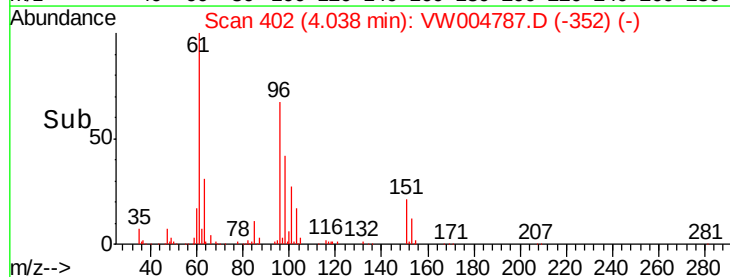
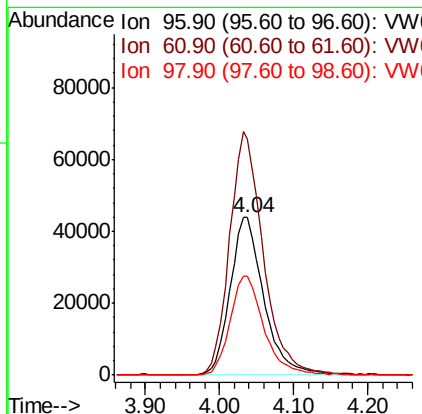
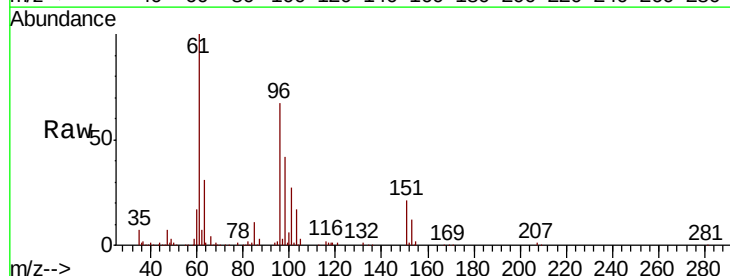
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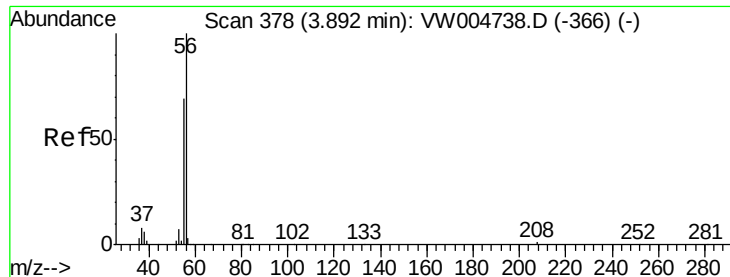


#12

1,1-Dichloroethene
Concen: 20.48 ug/l
RT: 4.04 min Scan# 402
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	96	Resp	139165
Ion Ratio	100	Lower	Upper
61	149.6	125.6	188.4
98	63.2	49.4	74.0





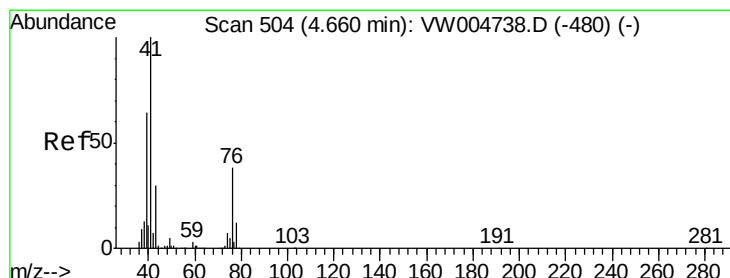
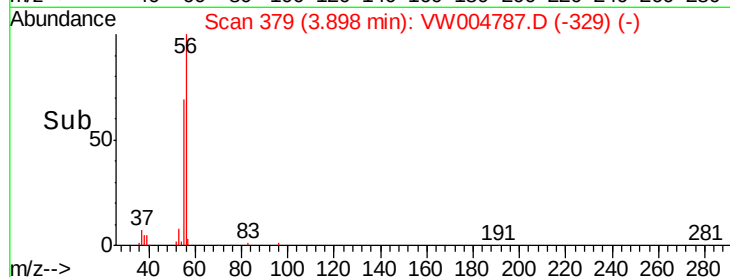
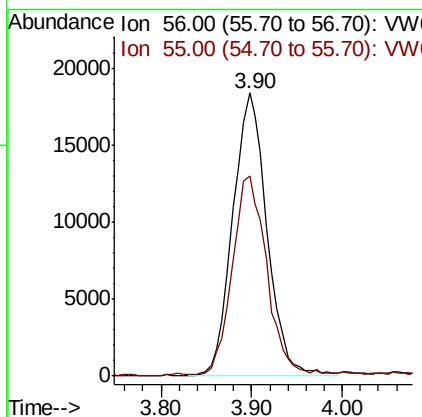
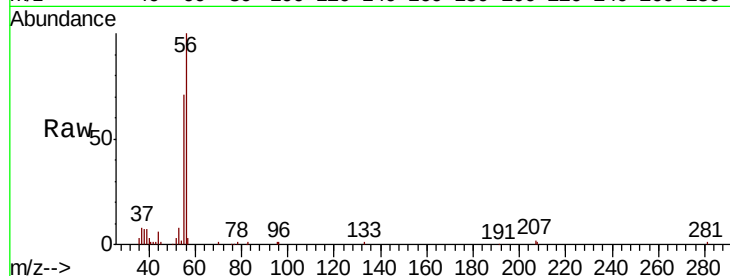
#13
 Acrolein
 Concen: 100.82 ug/l
 RT: 3.90 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.1	56.1	84.1

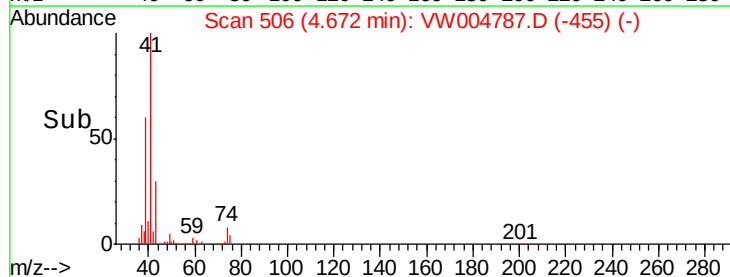
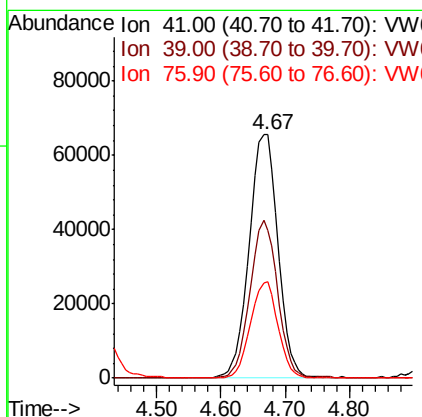
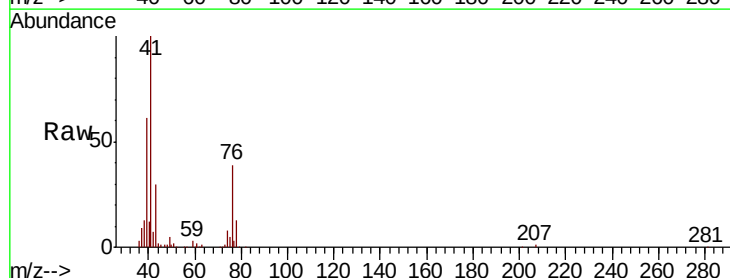
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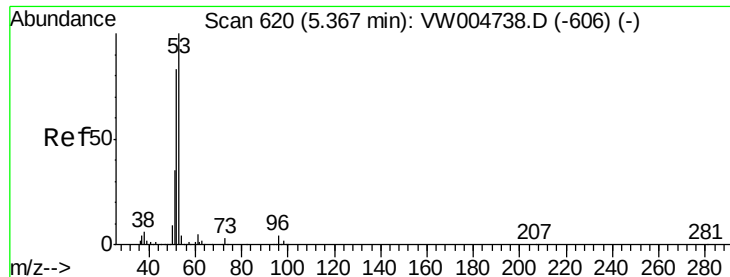
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#14
 Allyl chloride
 Concen: 19.57 ug/l
 RT: 4.67 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.5	50.0	75.0
76	37.7	29.8	44.6





#15

Acrylonitrile

Concen: 95.37 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

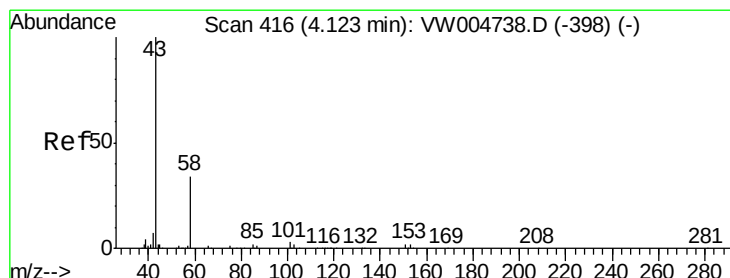
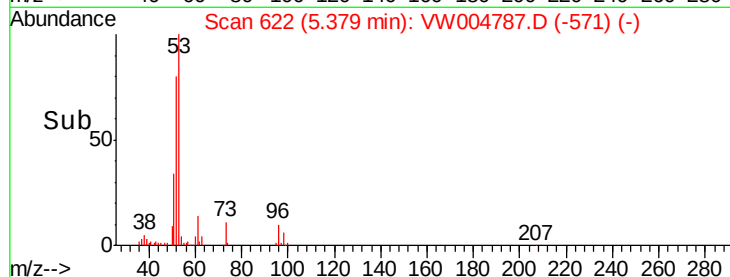
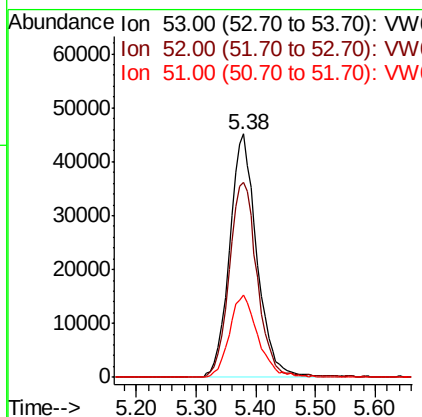
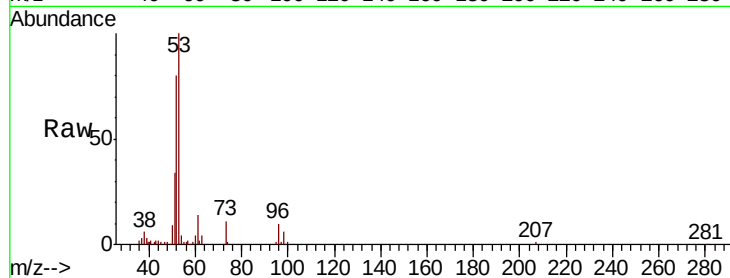
ClientSampleId :

VW0820SBS01

Tot Ion	53	Resp	143186
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.8	98.6
51	35.4	28.7	43.1

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#16

Acetone

Concen: 98.30 ug/l

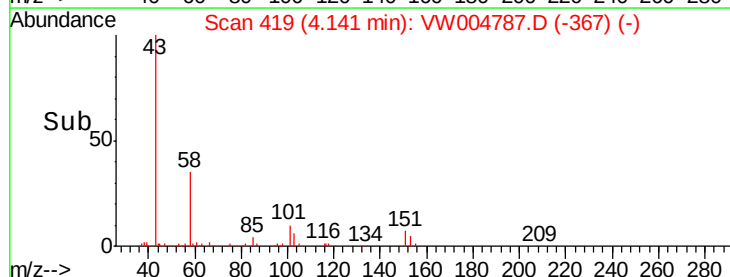
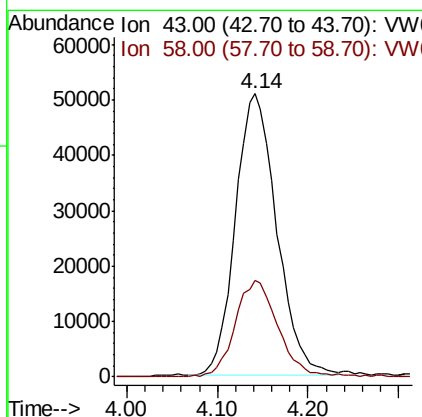
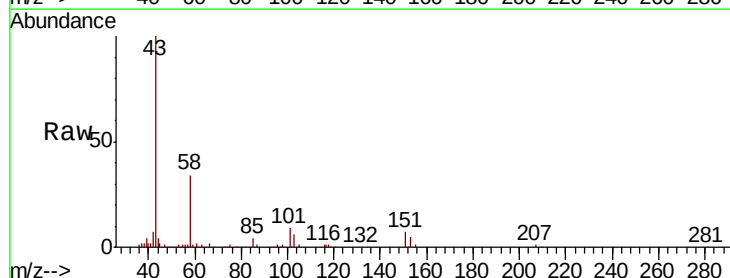
RT: 4.14 min Scan# 419

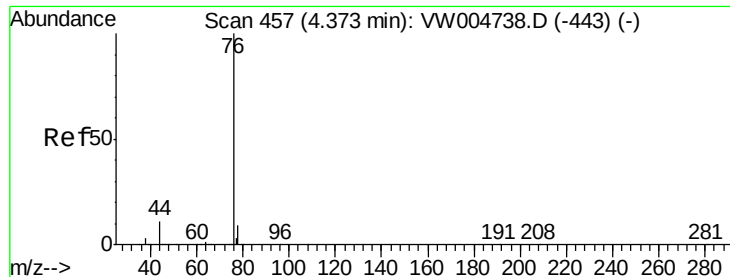
Delta R.T. 0.02 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion	43	Resp	159965
Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.3	40.9





#17

Carbon Disulfide

Concen: 20.54 ug/l

RT: 4.37 min Scan# 457

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion: 76 Resp: 458593

Ion Ratio Lower Upper

76 100

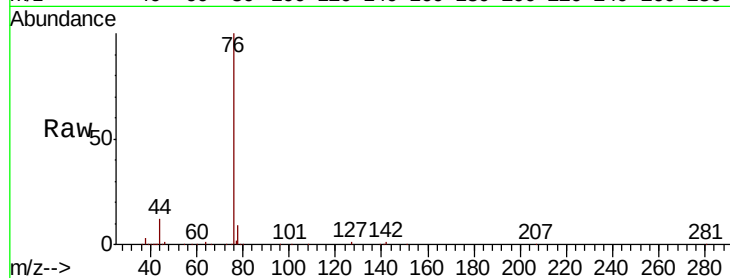
78 8.9 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

150000

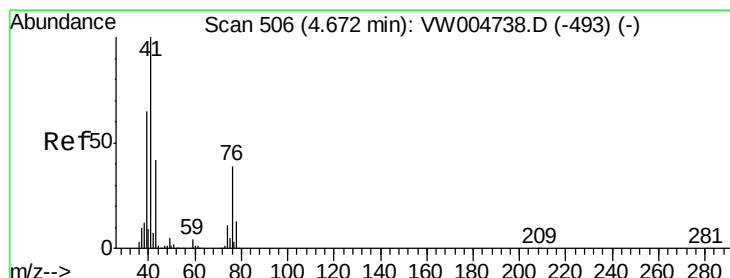
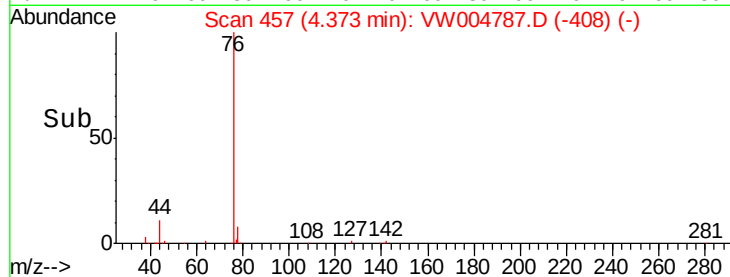
100000

50000

0

4.20 4.40 4.60

Time-->



#18

Methyl Acetate

Concen: 18.69 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004787.D

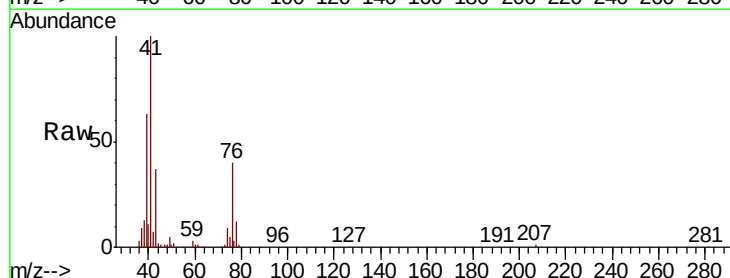
Acq: 20 Aug 2018 13:37

Tgt Ion: 43 Resp: 65184

Ion Ratio Lower Upper

43 100

74 24.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

25000

20000

15000

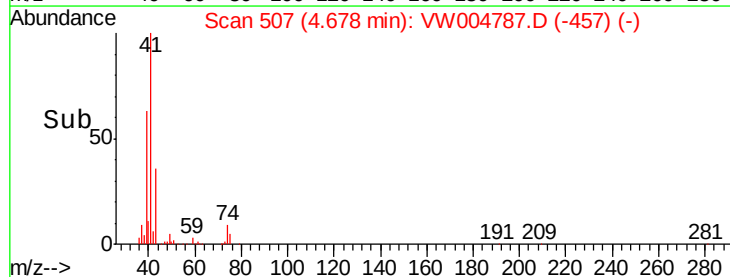
10000

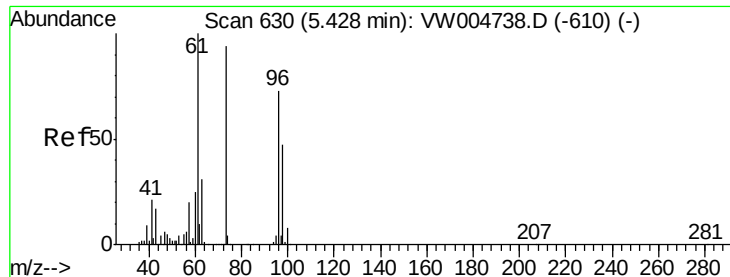
5000

0

4.60 4.70 4.80

Time-->





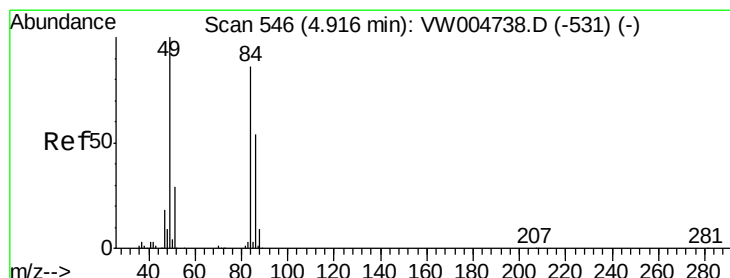
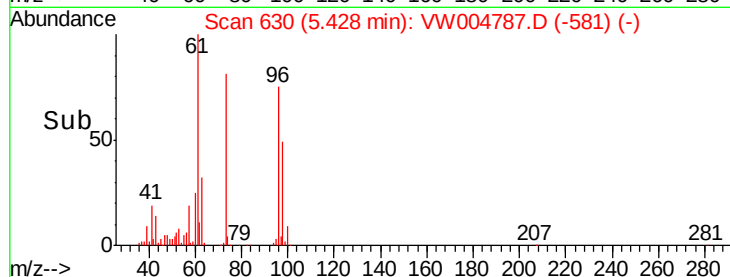
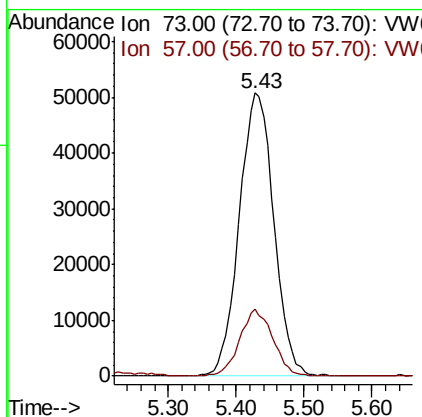
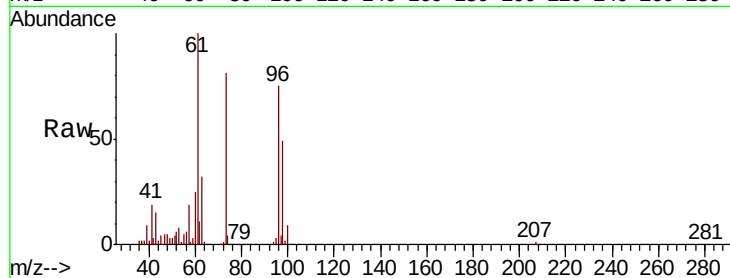
#19
Methyl tert-butyl Ether
Concen: 20.40 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.3	25.9

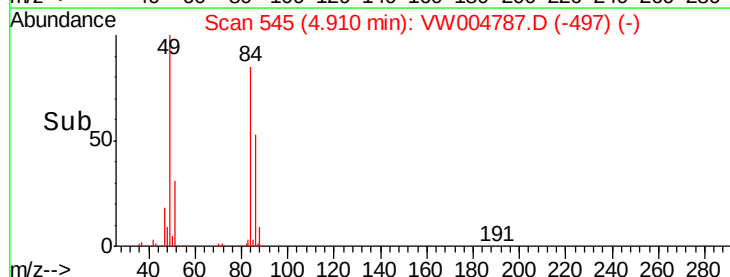
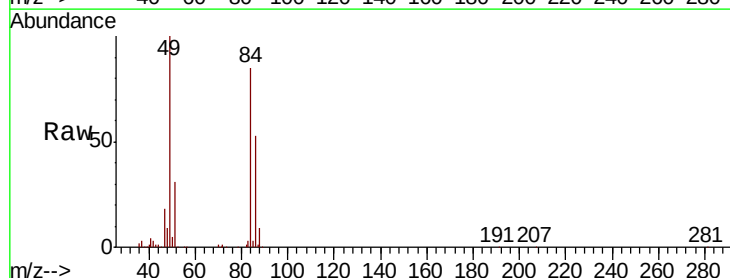
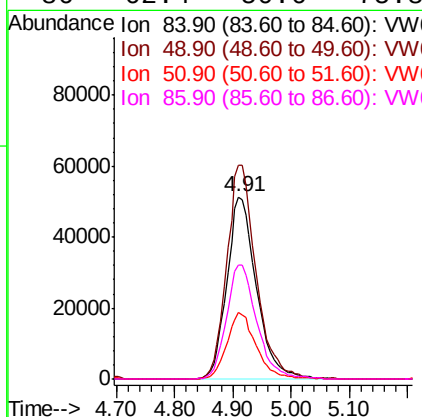
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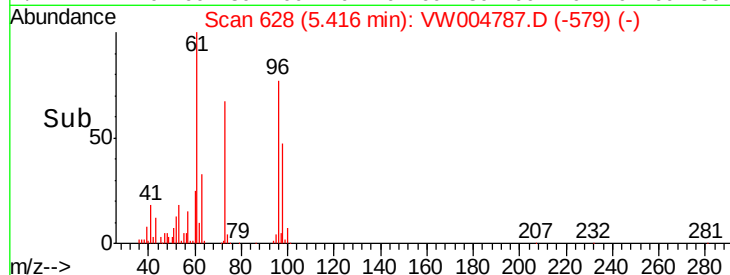
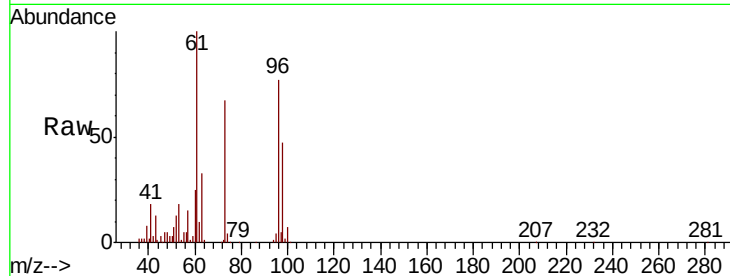
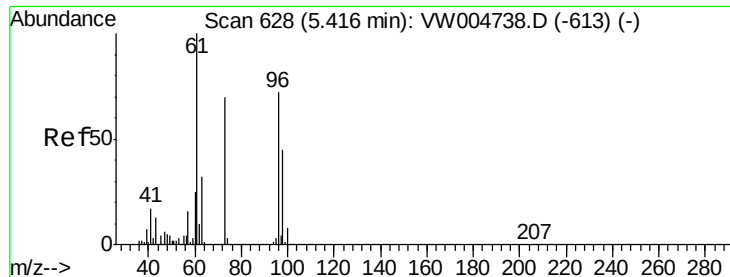
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#20
Methylene Chloride
Concen: 21.97 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.5	93.2	139.8
51	36.5	27.4	41.0
86	62.4	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 20.28 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW004787.D

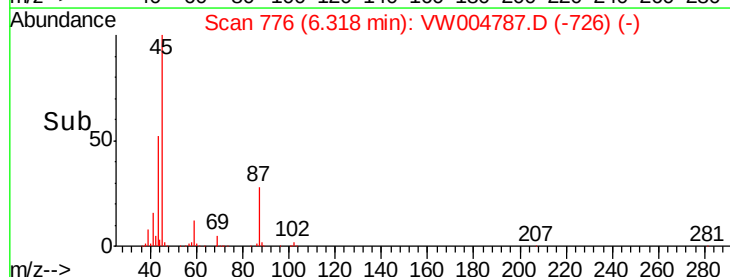
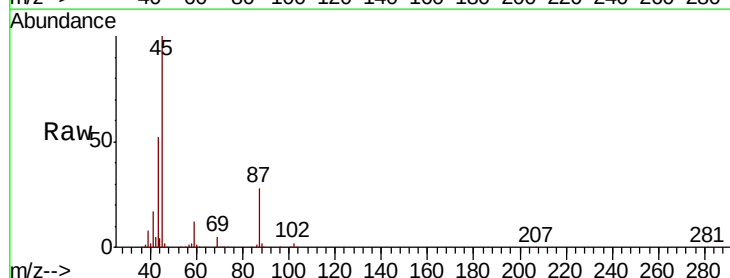
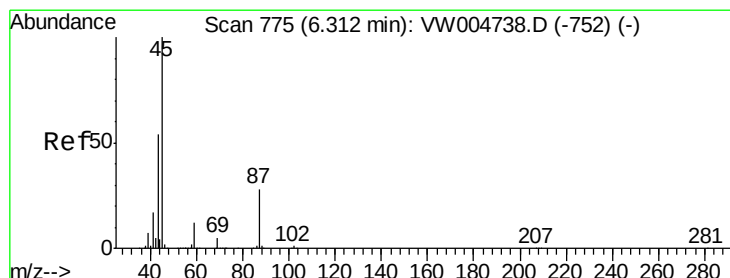
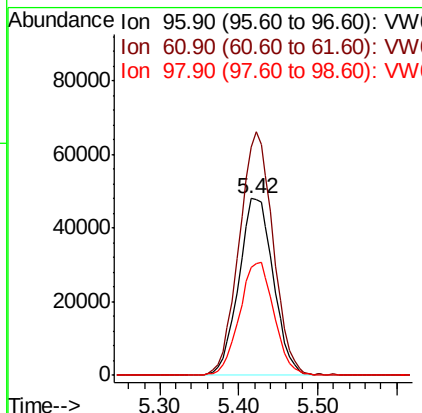
Acq: 20 Aug 2018 13:37

Tot Ion:	96	Resp:	146641
Ion	Ratio	Lower	Upper
96	100		
61	129.5	111.4	167.0
98	60.9	49.7	74.5

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

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#22

Diisopropyl ether

Concen: 20.53 ug/l

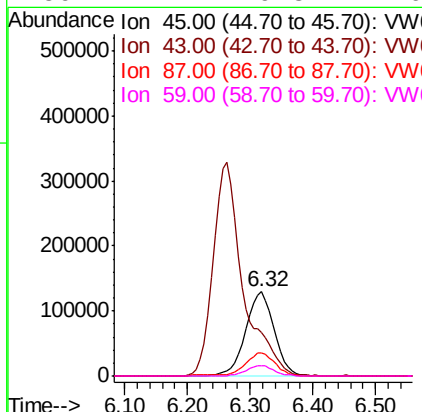
RT: 6.32 min Scan# 776

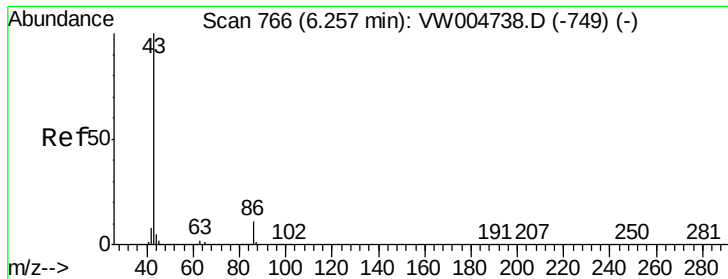
Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion:	45	Resp:	406834
Ion	Ratio	Lower	Upper
45	100		
43	51.6	43.0	64.6
87	27.4	22.2	33.4
59	11.7	9.8	14.6





#23

Vinyl Acetate

Concen: 96.65 ug/l

RT: 6.26 min Scan# 767

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tot Ion: 43 Resp: 1083423

Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7

Instrument :

MSVOA_W

ClientSampled :

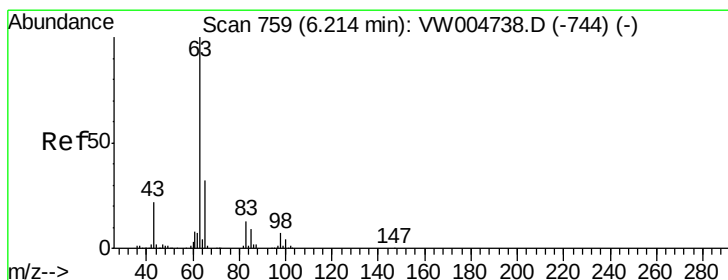
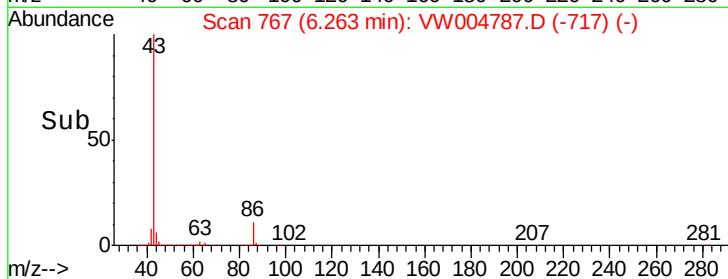
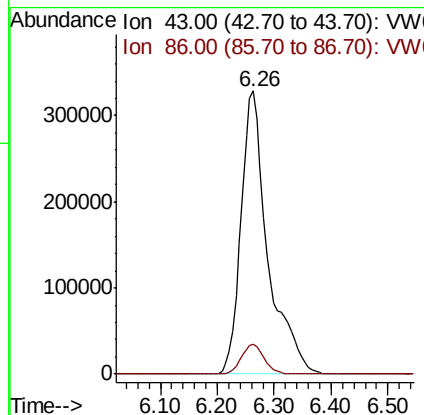
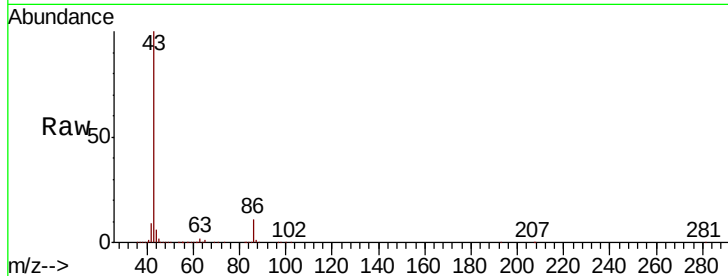
VW0820SBSD01

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#24

1,1-Dichloroethane

Concen: 19.89 ug/l

RT: 6.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

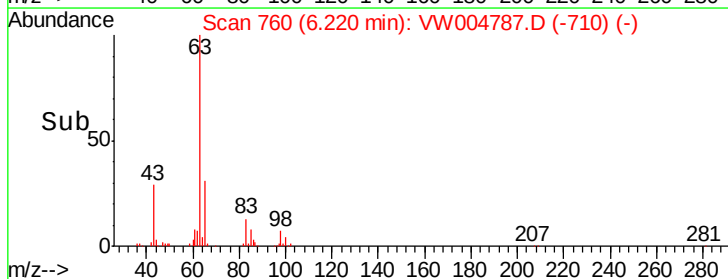
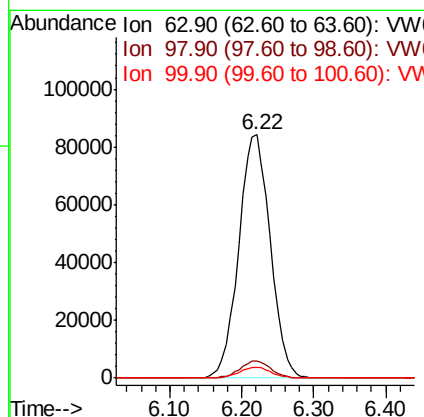
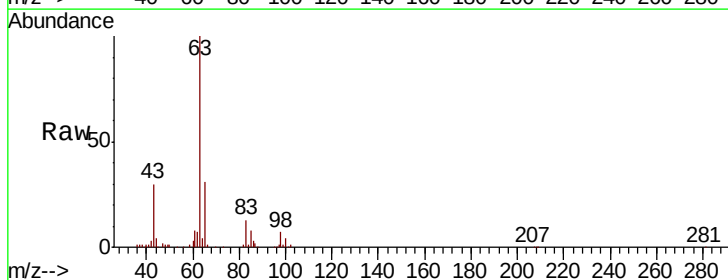
Tgt Ion: 63 Resp: 256143

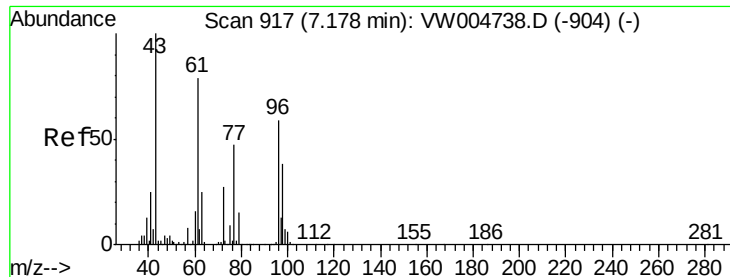
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 96.64 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampled :

VW0820SBS01

Tot Ion: 43 Resp: 224053

Ion Ratio Lower Upper

43 100

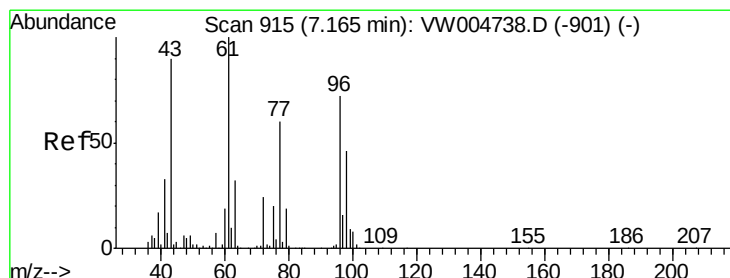
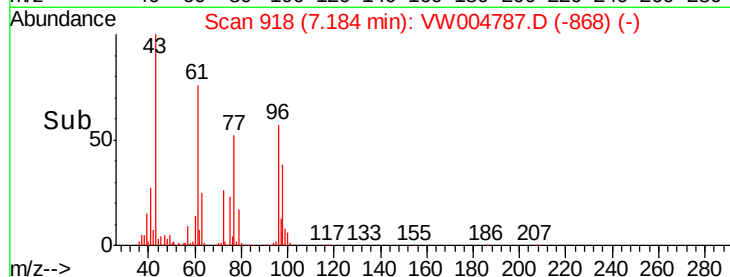
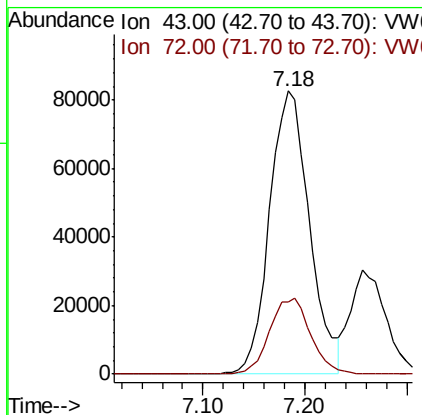
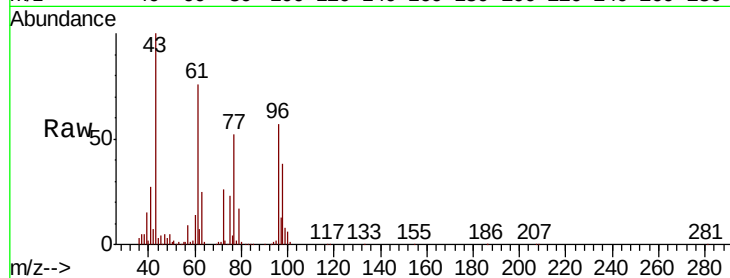
72 25.8 22.0 33.0

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#26

2,2-Dichloropropane

Concen: 21.73 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004787.D

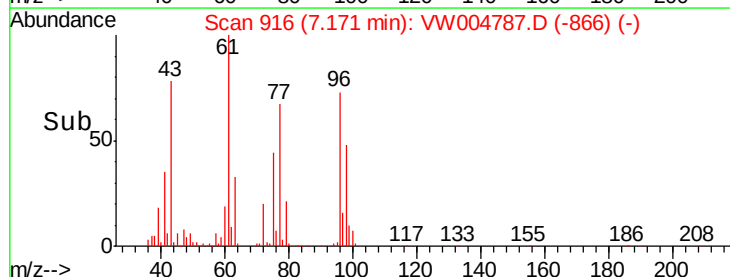
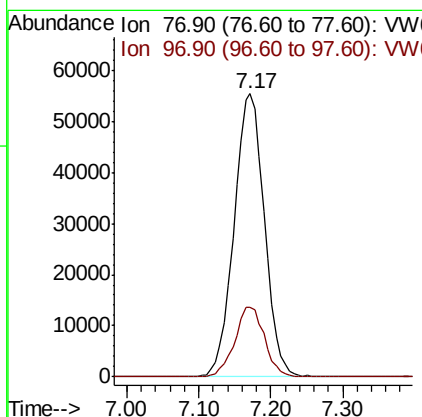
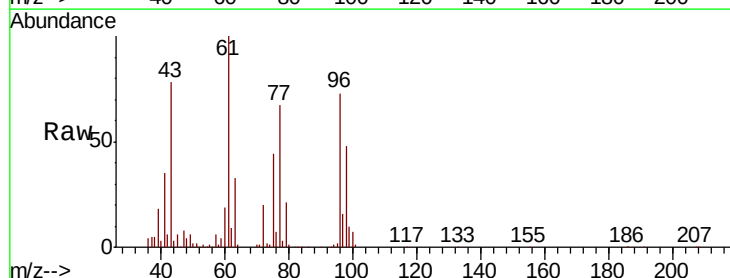
Acq: 20 Aug 2018 13:37

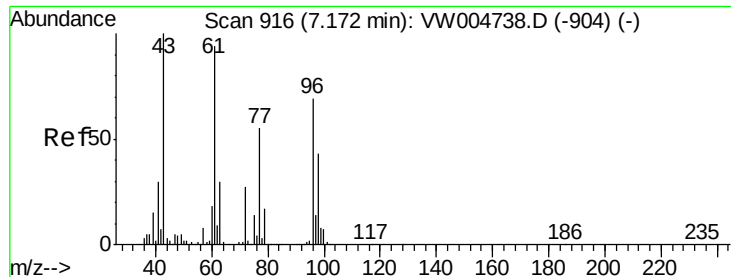
Tgt Ion: 77 Resp: 161645

Ion Ratio Lower Upper

77 100

97 24.2 12.6 37.8





#27

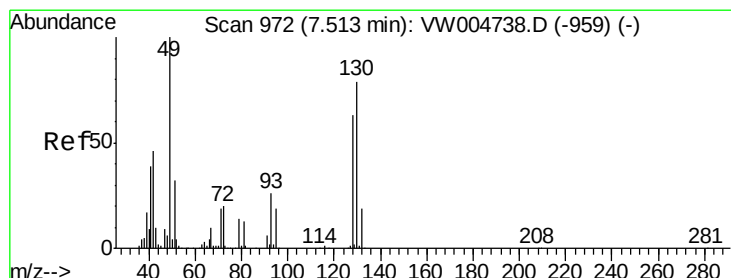
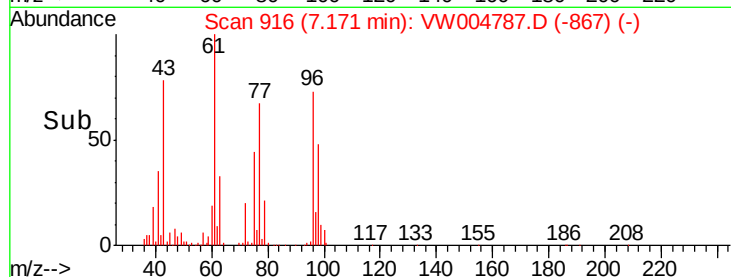
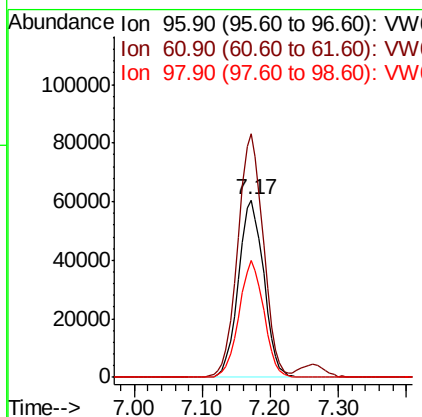
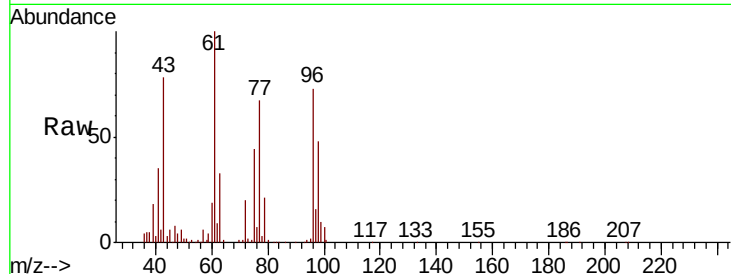
cis-1,2-Dichloroethene
Concen: 20.15 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156785		
61	138.2	0.0	277.6	
98	64.3	0.0	127.4	

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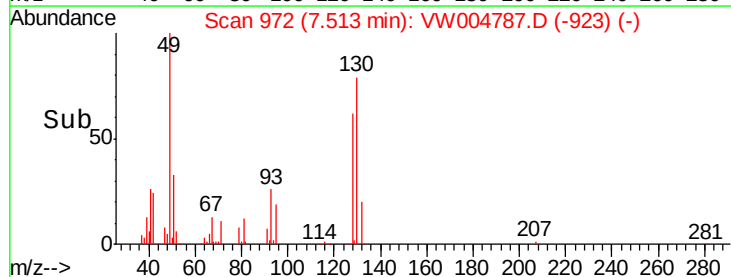
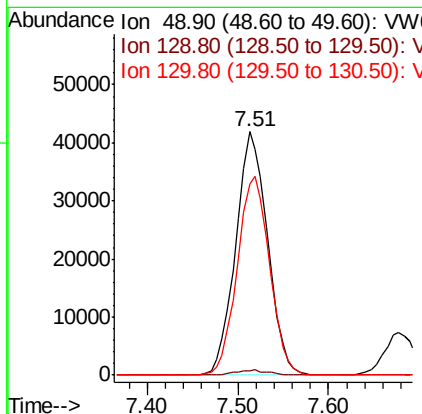
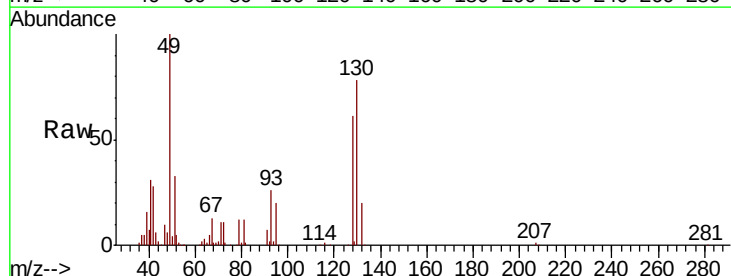
apatel
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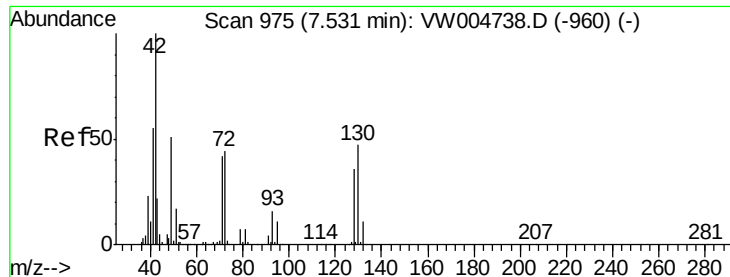


#28

Bromochloromethane
Concen: 18.84 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	102179		
129	2.2	0.0	4.4	
130	82.5	63.7	95.5	





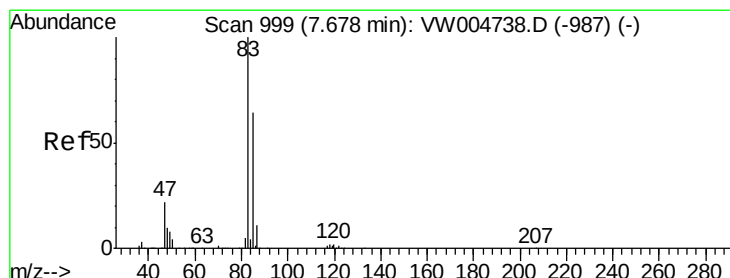
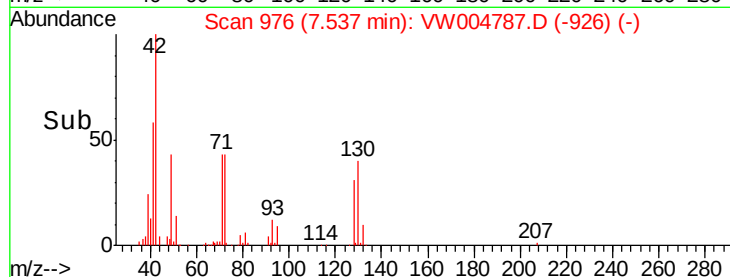
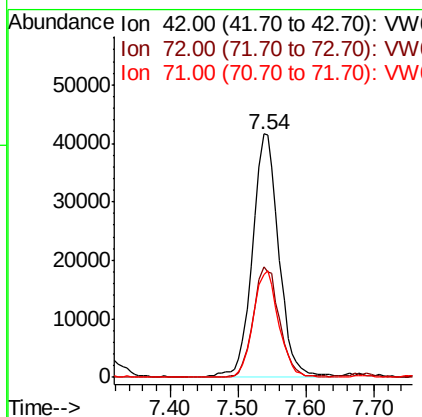
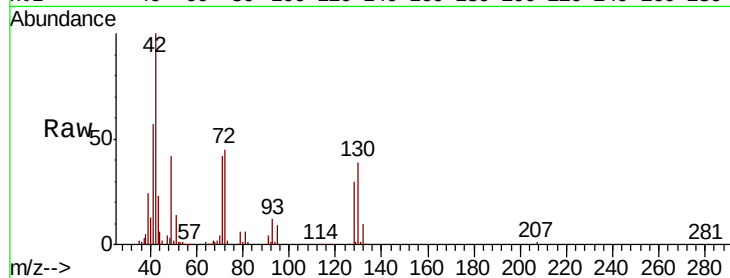
#29
Tetrahydrofuran
Concen: 94.69 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion:	42	Resp:	111948
Ion Ratio		Lower	Upper
42	100		
72	45.1	34.9	52.3
71	42.6	33.8	50.6

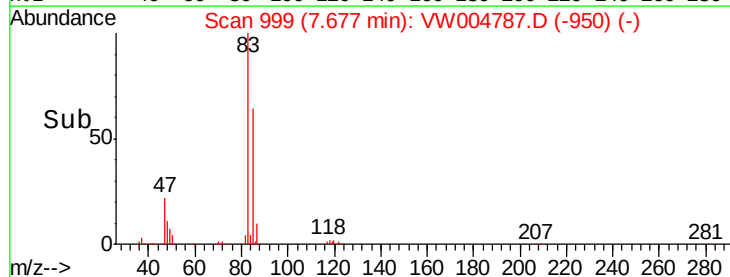
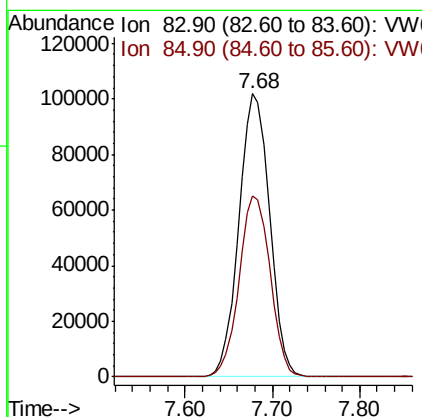
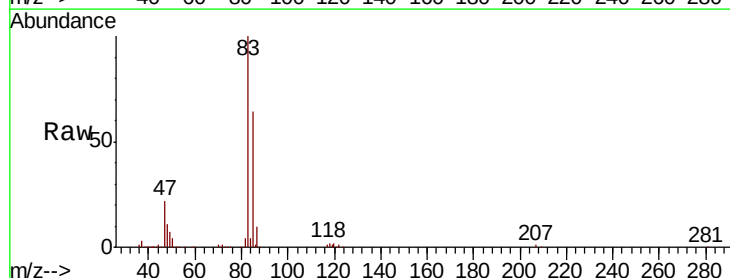
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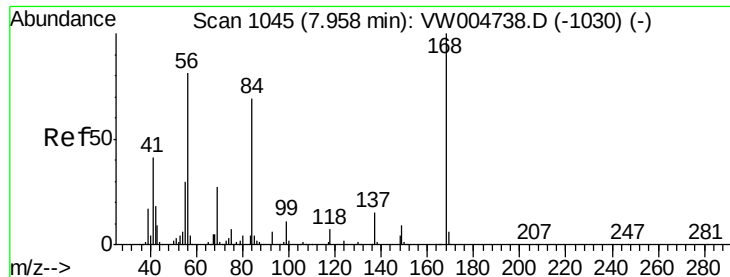
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#30
Chloroform
Concen: 19.68 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion:	83	Resp:	249304
Ion Ratio		Lower	Upper
83	100		
85	64.2	51.0	76.6





#31

Cyclohexane

Concen: 20.42 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

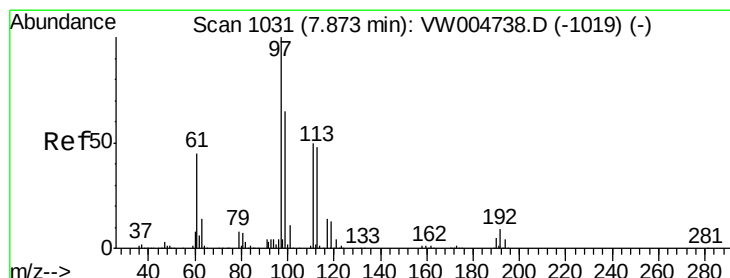
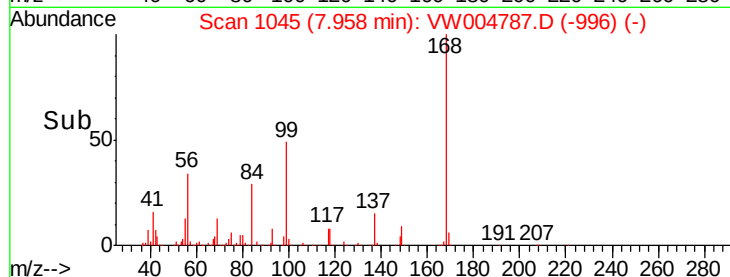
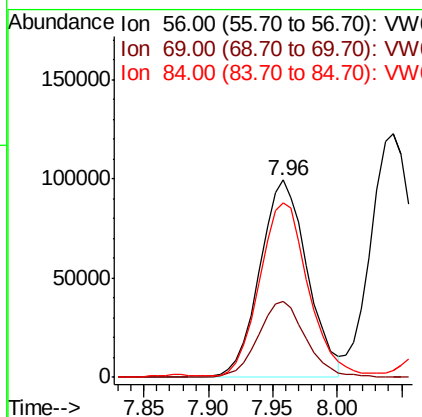
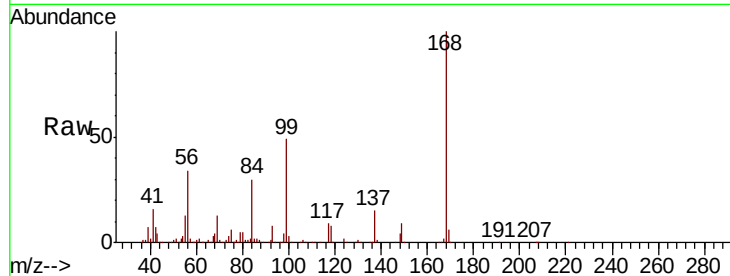
ClientSampleId :

VW0820SBSD01

Tot Ion:	56	Resp:	254425
Ion	Ratio	Lower	Upper
56	100		
69	38.6	27.1	40.7
84	87.3	68.3	102.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.81 ug/l

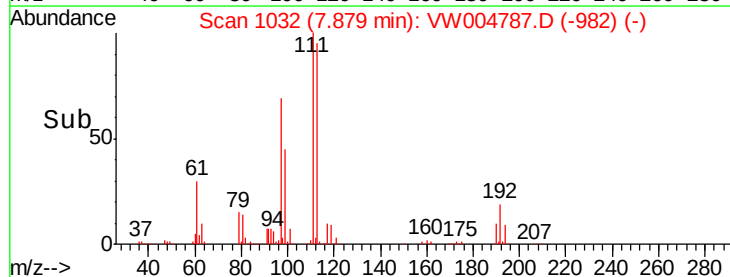
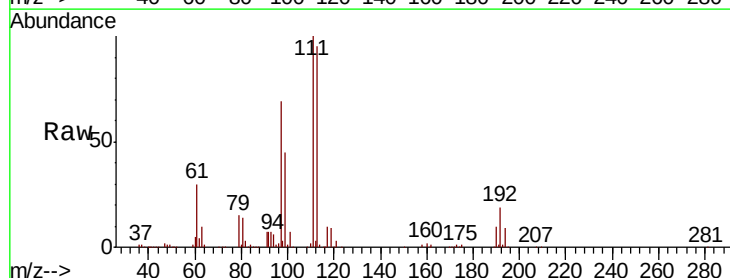
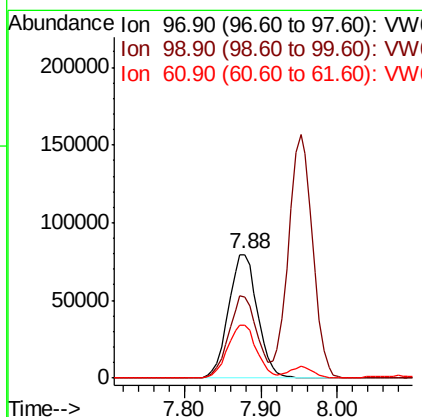
RT: 7.88 min Scan# 1032

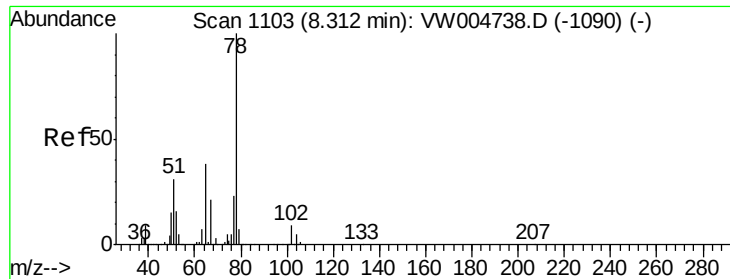
Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion:	97	Resp:	208975
Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.7	77.5
61	42.8	34.4	51.6





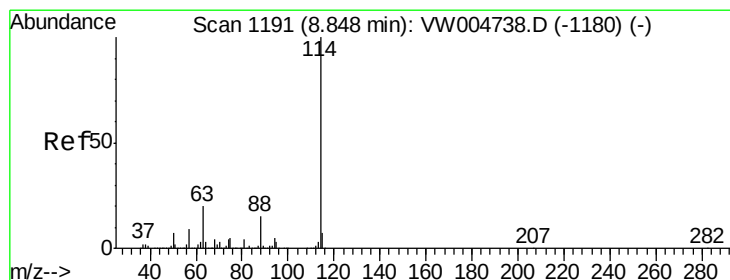
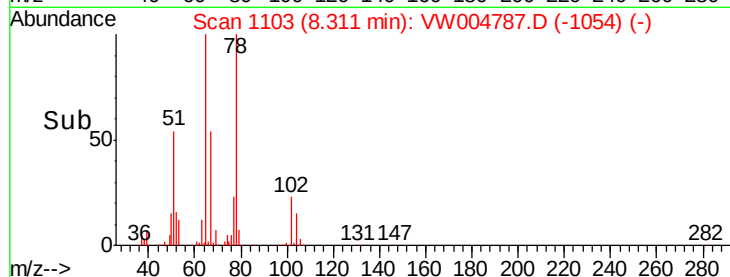
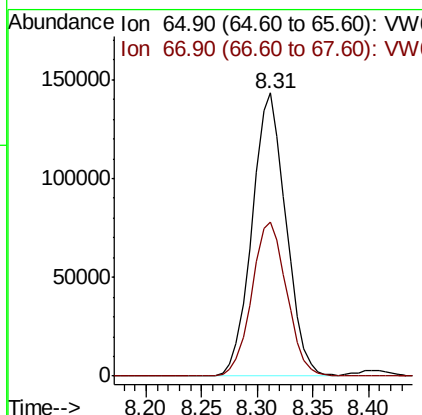
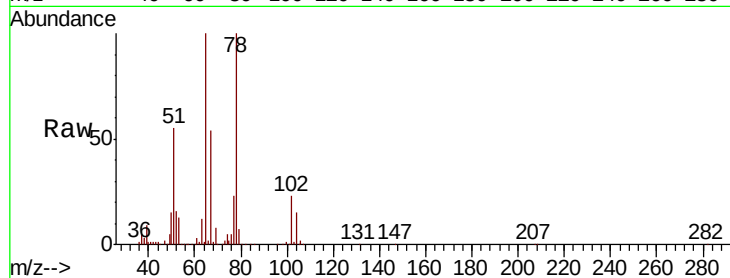
#33
 1,2-Dichloroethane-d4
 Concen: 47.73 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	0.0	109.4	

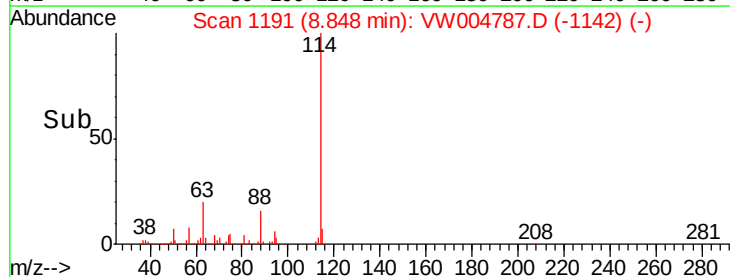
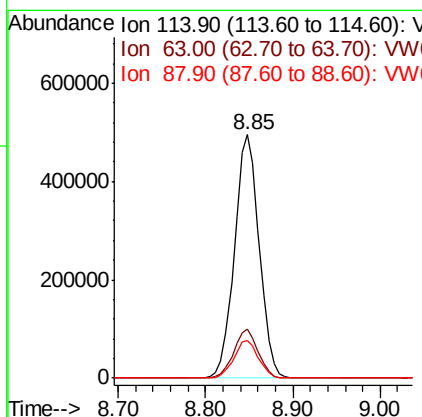
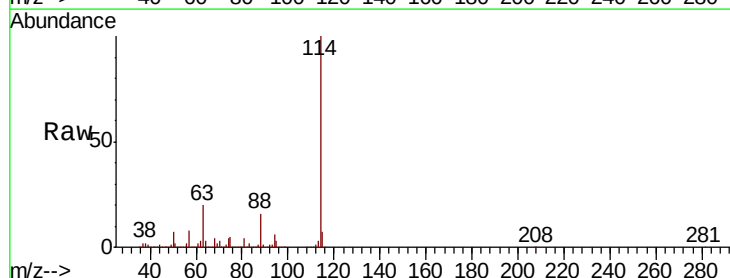
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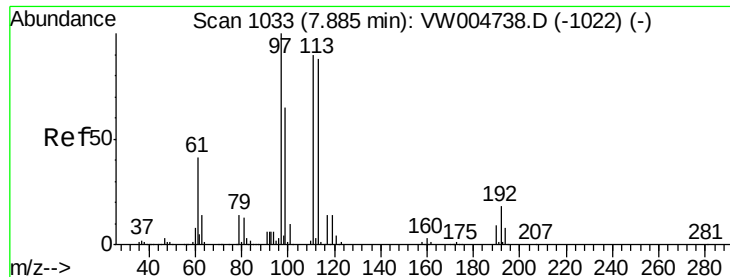
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	39.0	
88	15.7	0.0	30.0	





#35

Dibromofluoromethane

Concen: 51.23 ug/l

RT: 7.89 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

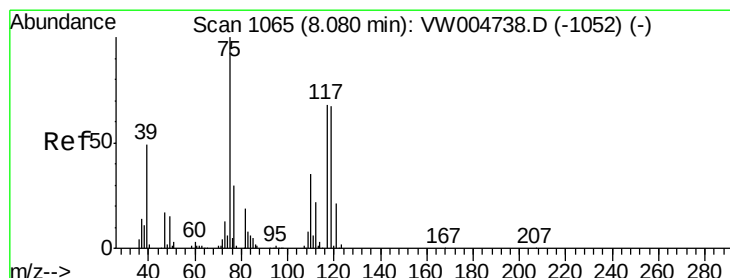
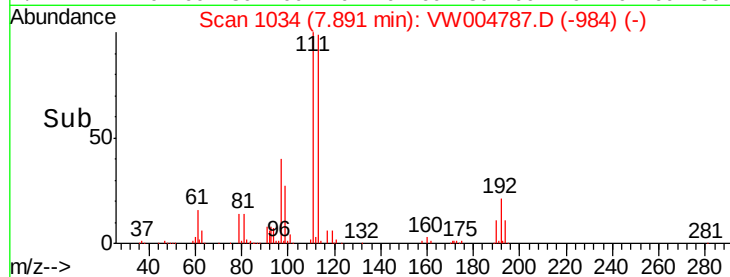
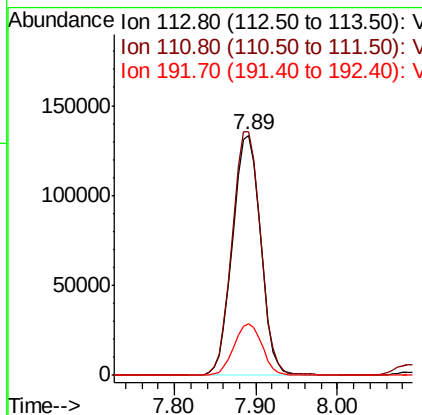
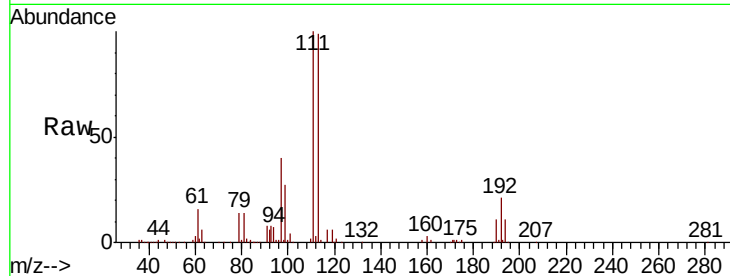
ClientSampled :

VW0820SBS01

Tot Ion:	113	Resp:	317102
Ion Ratio	Lower	Upper	
113	100		
111	102.6	82.4	123.6
192	21.6	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.67 ug/l

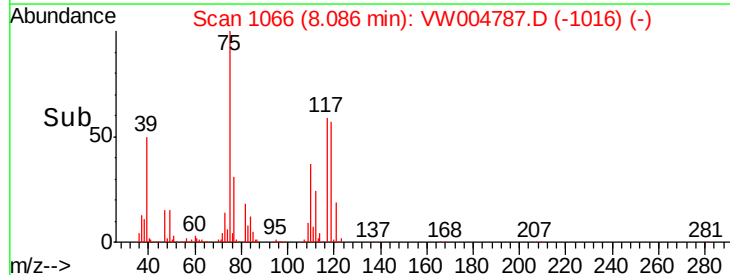
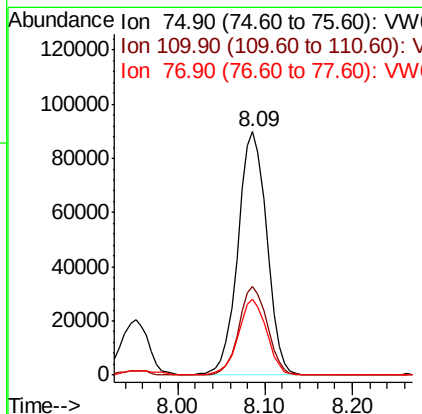
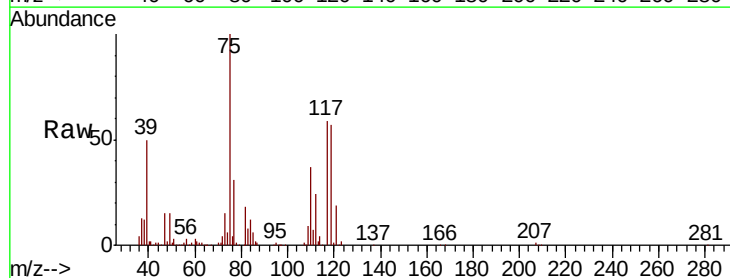
RT: 8.09 min Scan# 1066

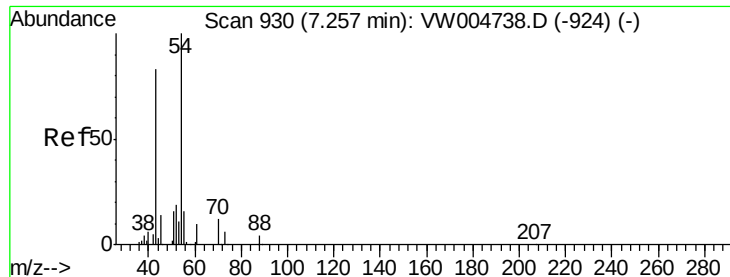
Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion:	75	Resp:	206284
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.8	53.5
77	30.7	24.9	37.3





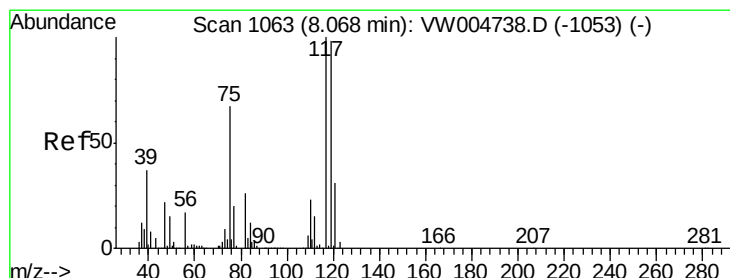
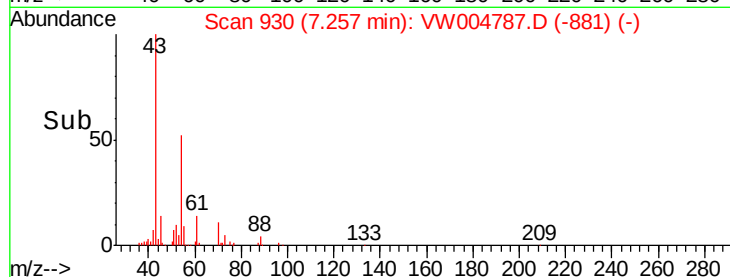
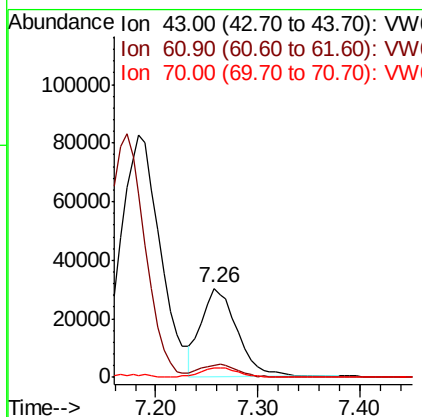
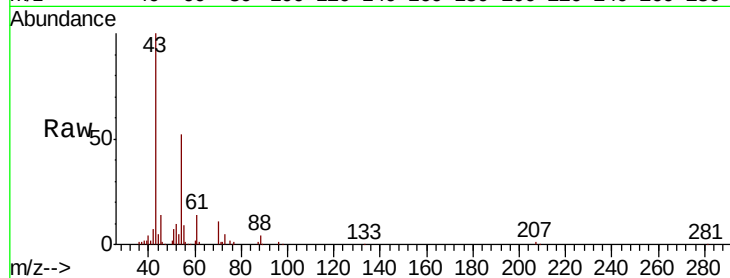
#37
Ethyl Acetate
Concen: 18.66 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.6	17.4
70	11.7	9.2	13.8

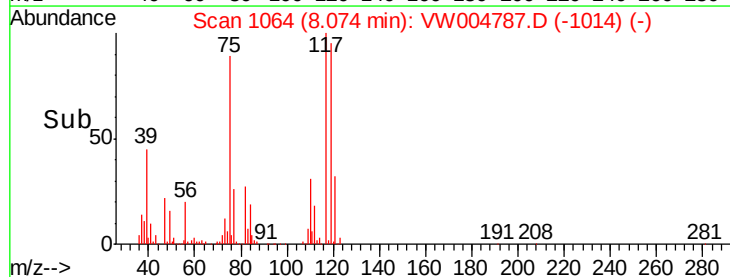
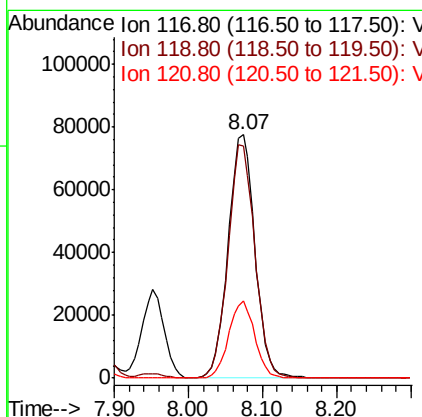
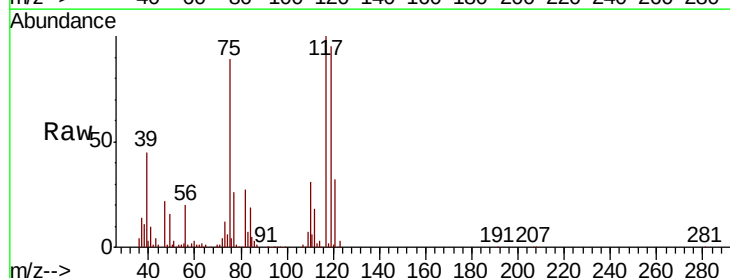
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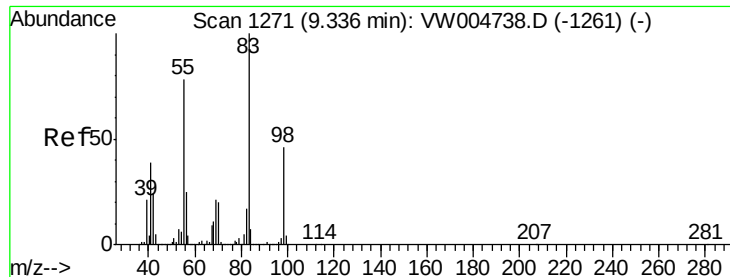
apatel
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#38
Carbon Tetrachloride
Concen: 21.24 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	78.0	117.0
121	31.6	24.8	37.2





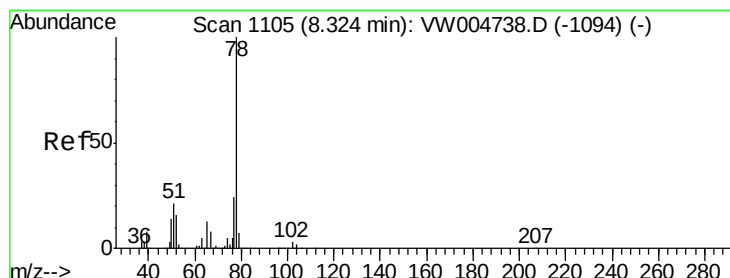
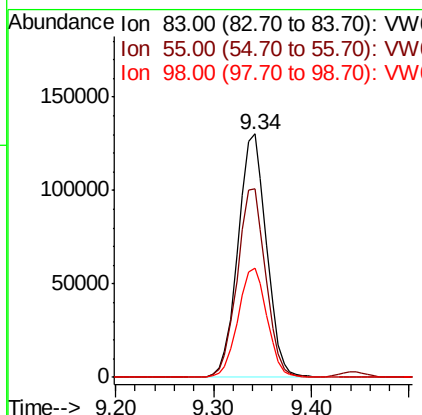
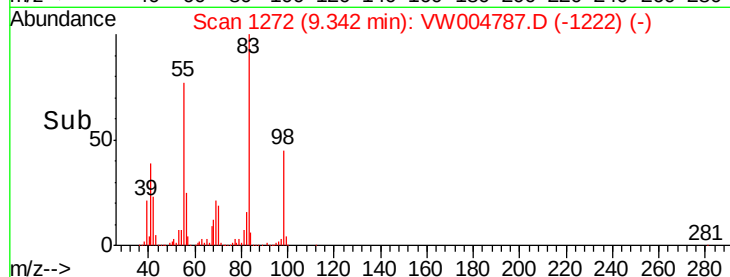
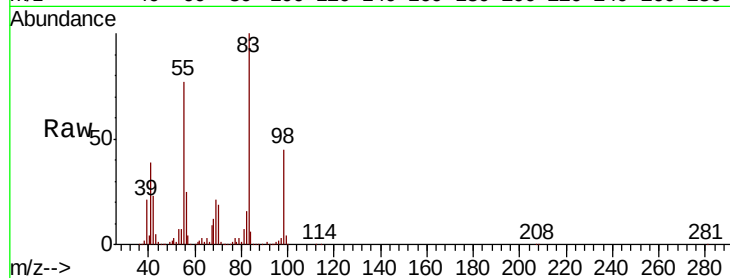
#39
Methylvlcyclohexane
Concen: 21.15 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampled :
VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	263852		
55	77.3	62.4	93.6	
98	44.6	36.5	54.7	

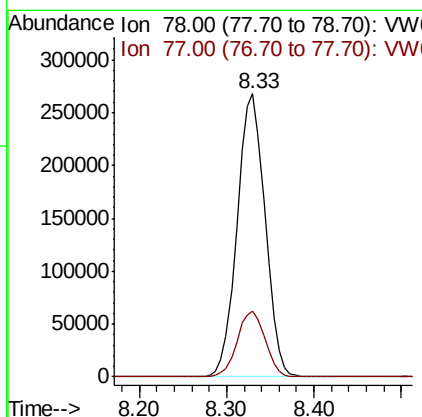
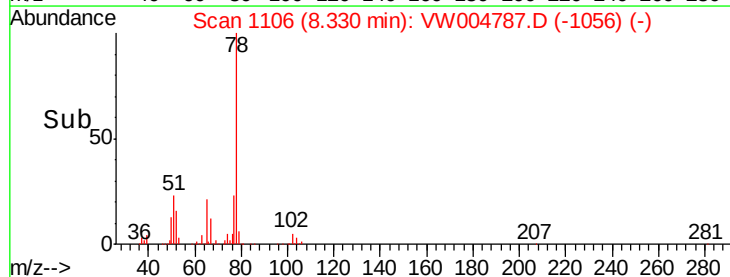
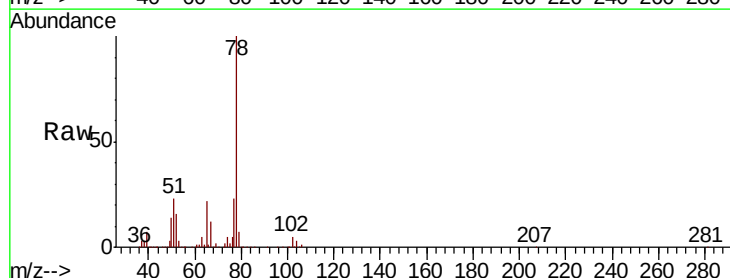
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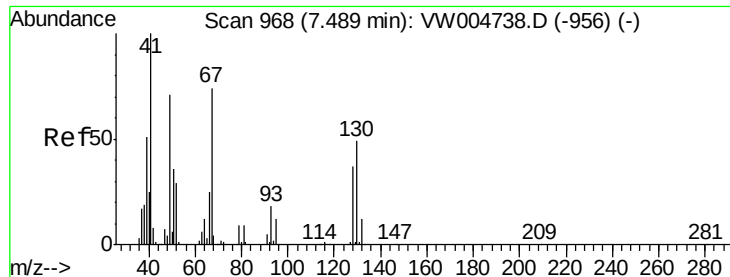
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#40
Benzene
Concen: 20.52 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	594923		
77	23.5	19.0	28.6	





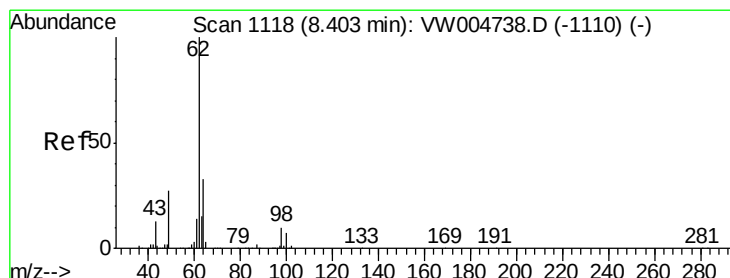
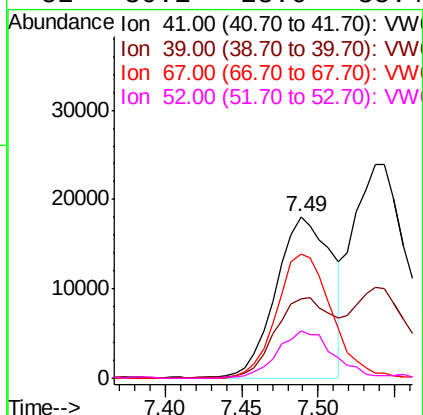
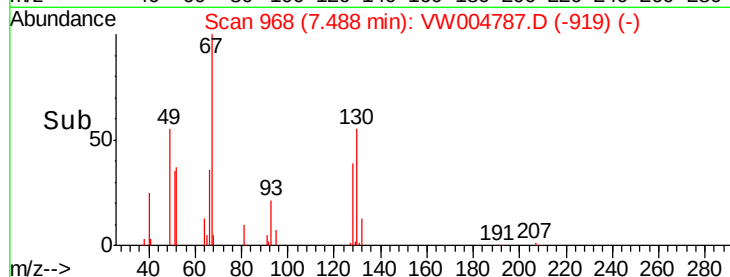
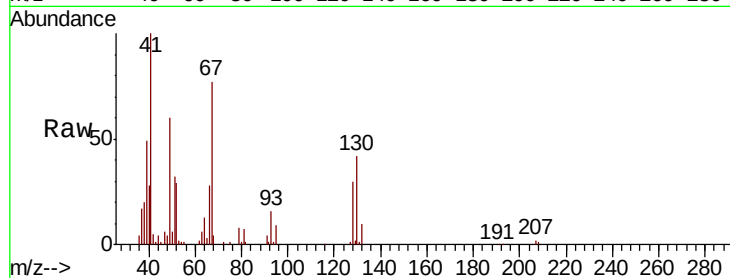
#41
Methacrylonitrile
Concen: 20.29 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampled :
VW0820SBSD01

Tot Ion	41	Resp	45797
Ion	Ratio	Lower	Upper
41	100		
39	51.9	41.0	61.4
67	76.3	59.5	89.3
52	30.1	23.6	35.4

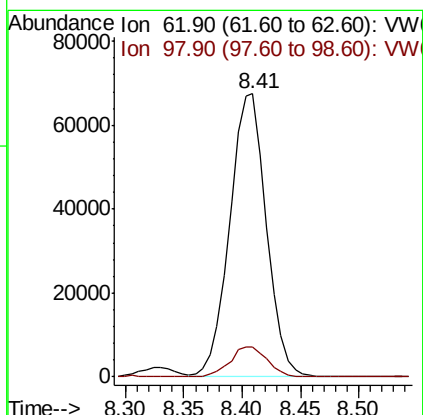
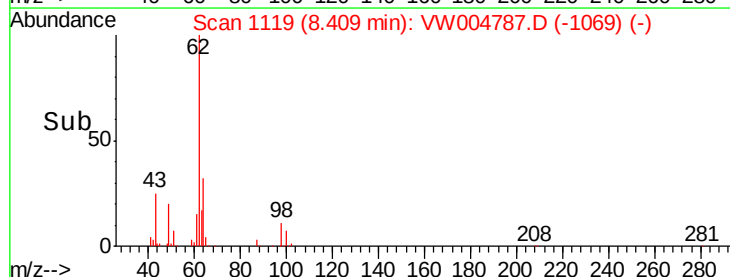
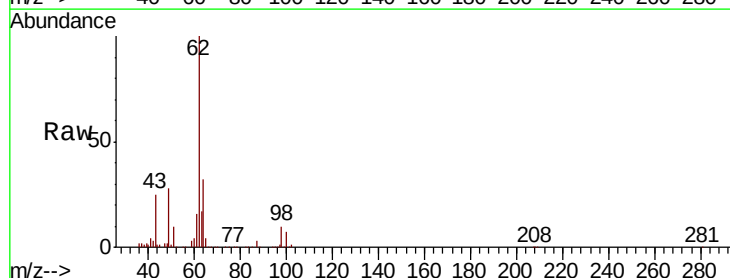
Manual Integrations
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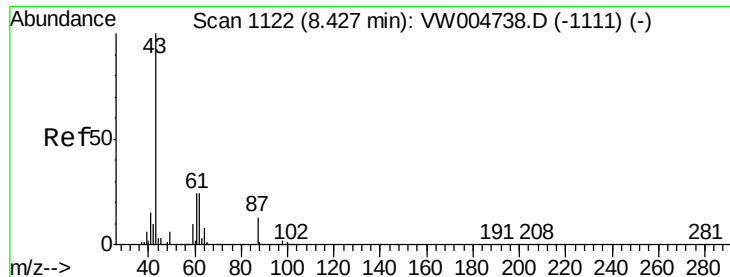
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#42
1,2-Dichloroethane
Concen: 19.85 ug/l
RT: 8.41 min Scan# 1119
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	62	Resp	147581
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.2





#43

Isopropyl Acetate

Concen: 19.23 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

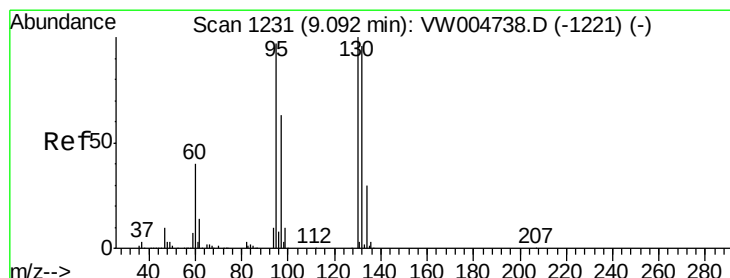
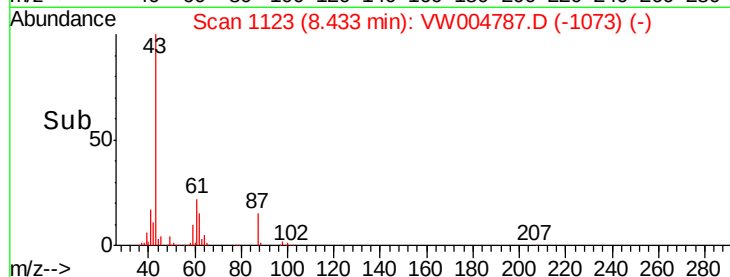
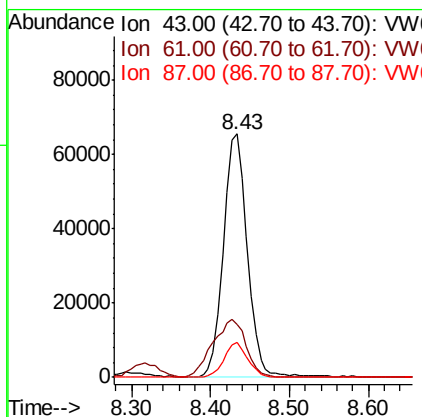
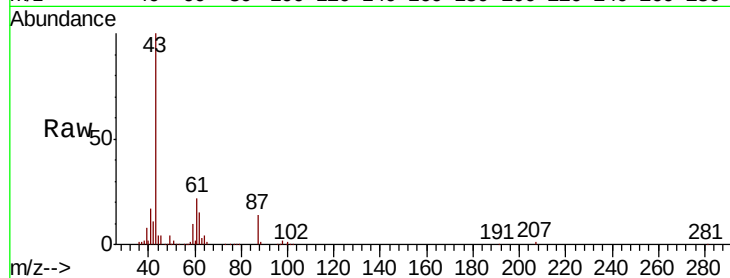
ClientSampleId :

VW0820SBSD01

Tot Ion:	43	Resp:	137374
Ion	Ratio	Lower	Upper
43	100		
61	33.5	26.2	39.4
87	14.2	10.9	16.3

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#44

Trichloroethene

Concen: 20.52 ug/l

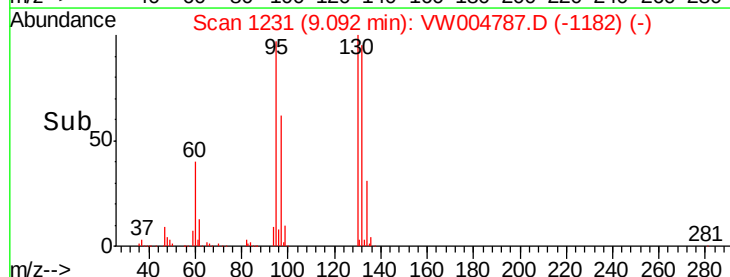
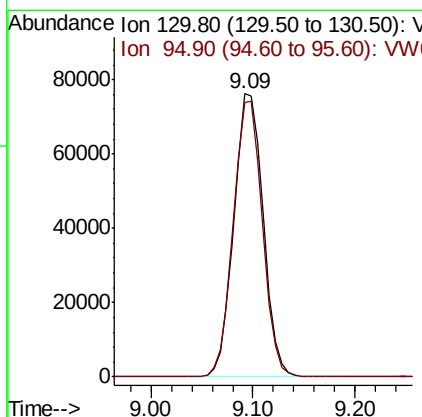
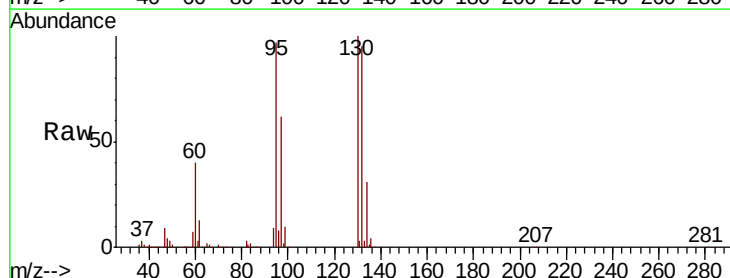
RT: 9.09 min Scan# 1231

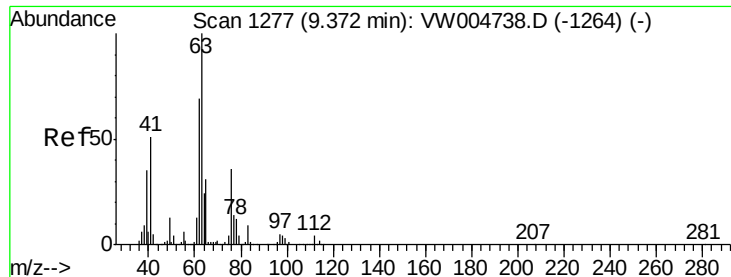
Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion:	130	Resp:	151030
Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	194.4





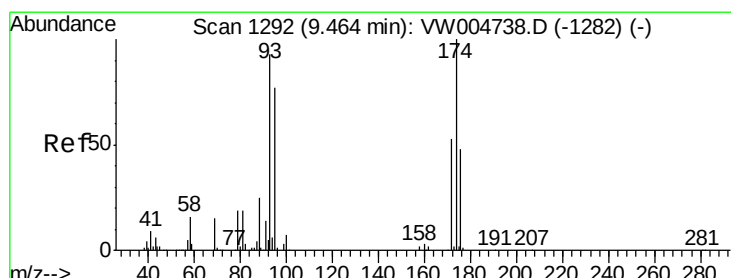
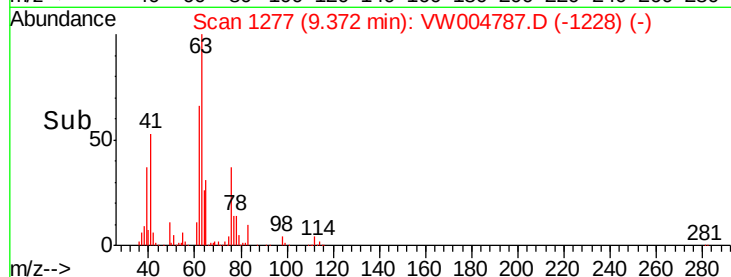
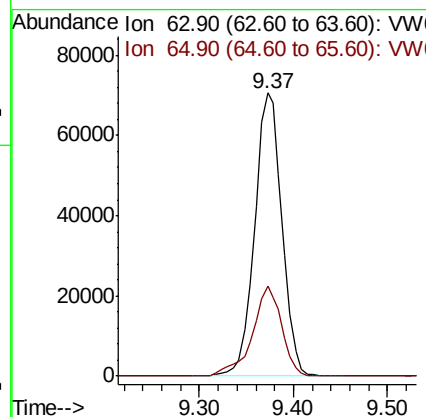
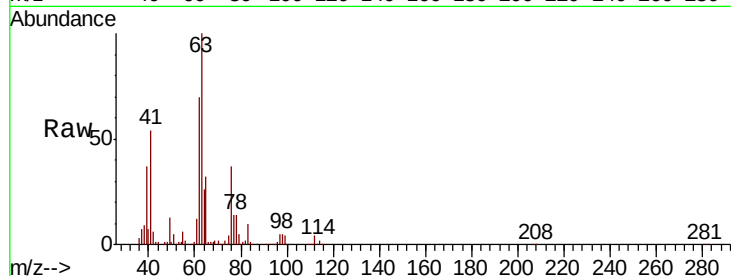
#45
 1,2-Dichloropropane
 Concen: 20.22 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	24.6	37.0

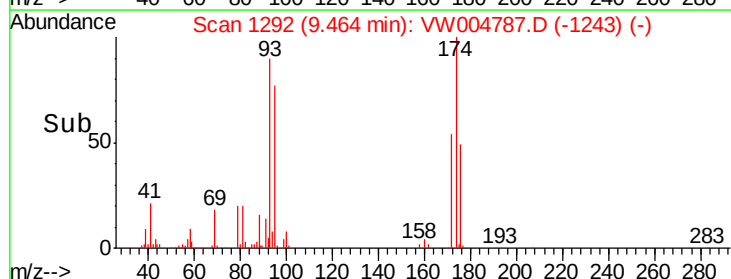
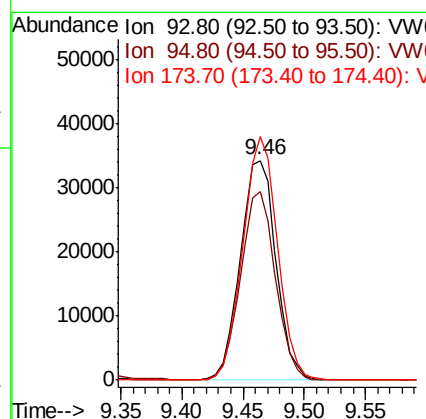
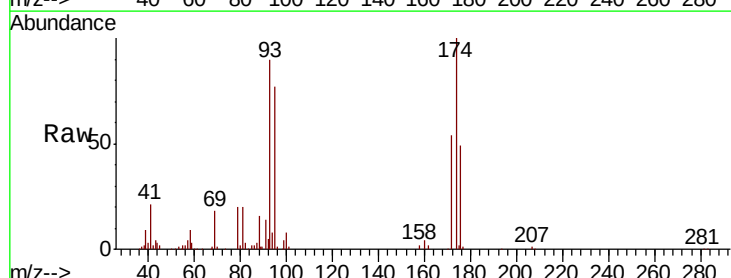
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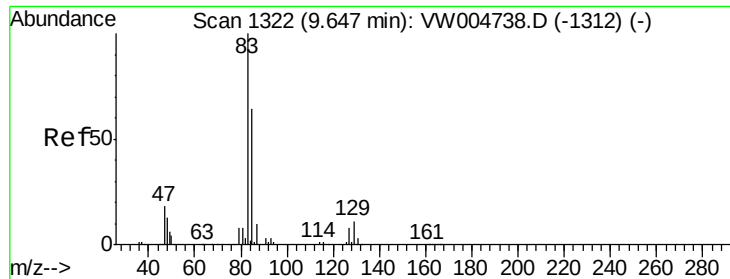
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#46
 Dibromomethane
 Concen: 19.73 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	66.6	99.8
174	108.0	85.3	127.9





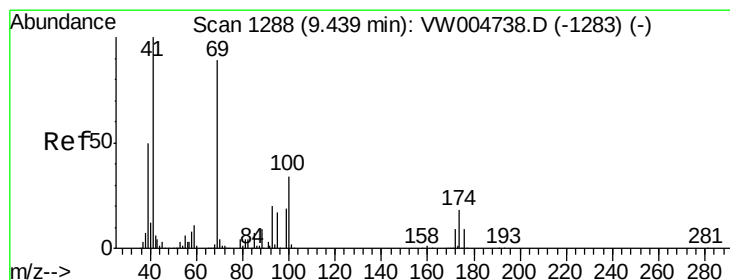
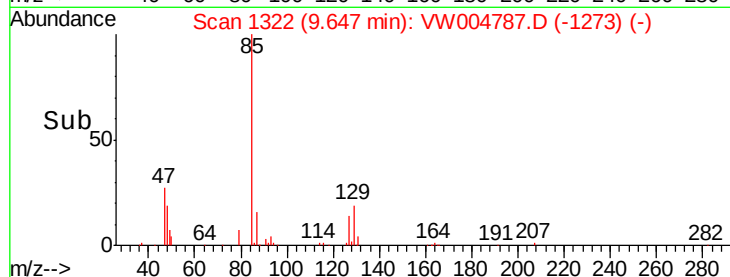
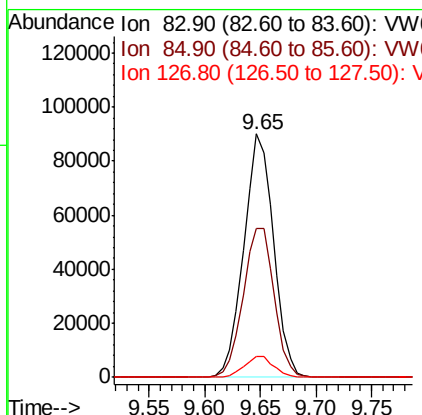
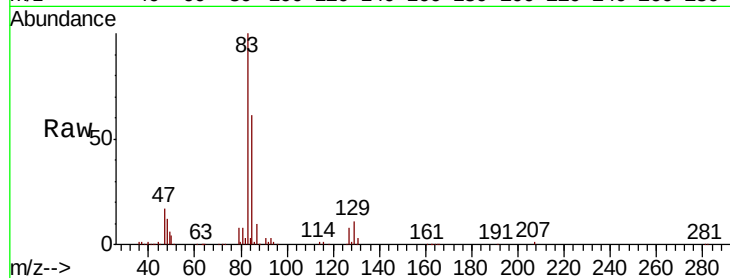
#47
Bromodichloromethane
Concen: 19.91 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.2	76.8
127	8.5	6.7	10.1

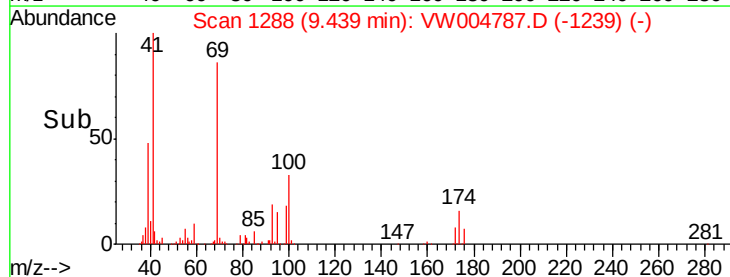
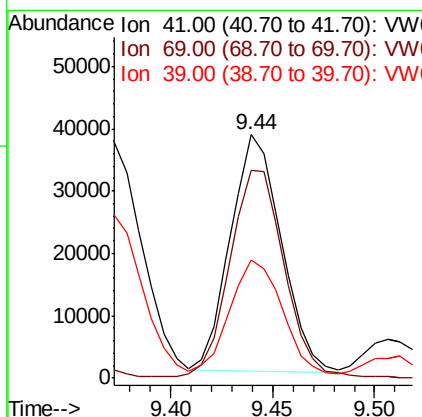
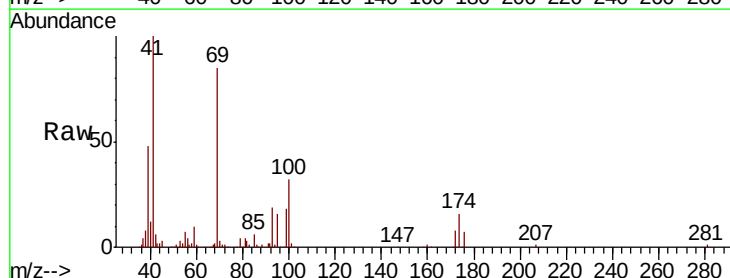
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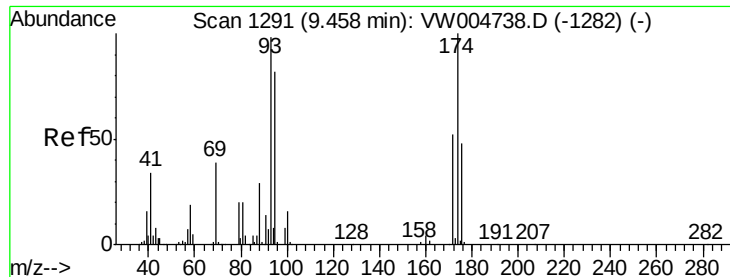
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#48
Methyl methacrylate
Concen: 19.57 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.0	75.2	112.8
39	48.7	39.8	59.6





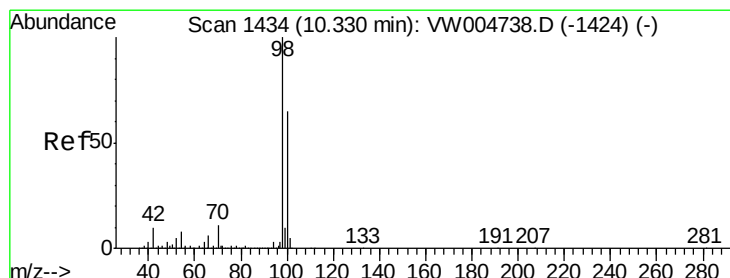
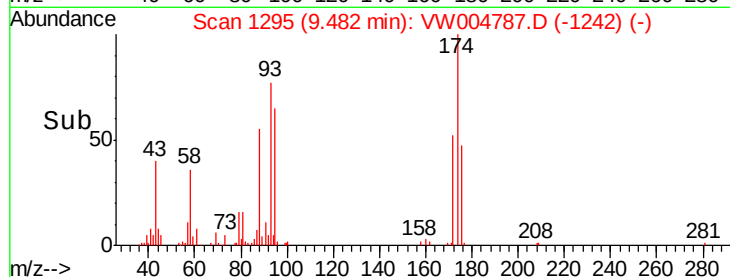
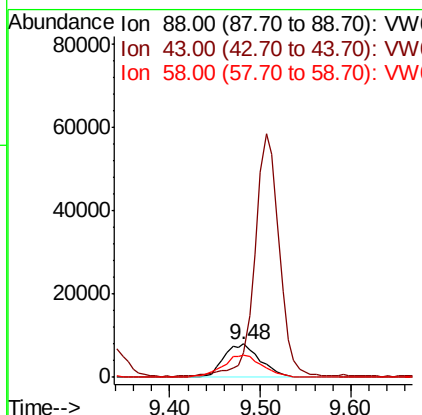
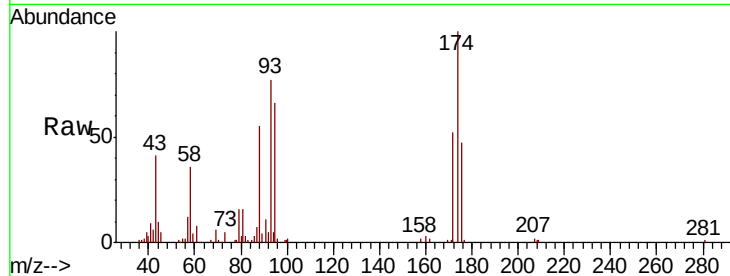
#49
1,4-Dioxane
Concen: 439.00 ug/l
RT: 9.48 min Scan# 1295
Delta R.T. 0.02 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	72.2	60.0	90.0

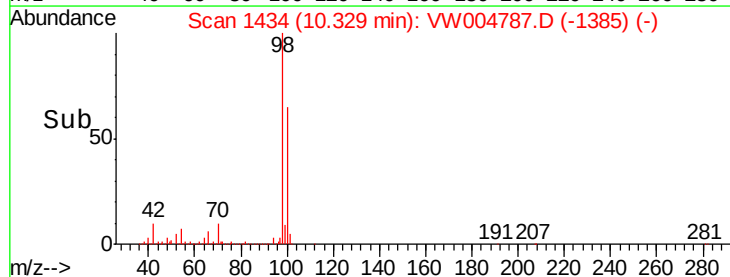
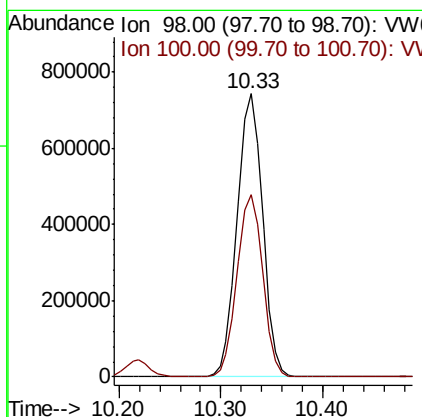
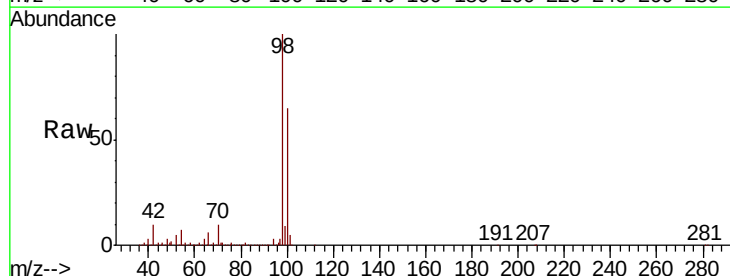
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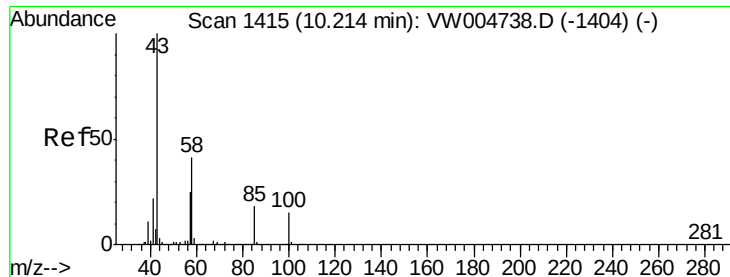
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#50
Toluene-d8
Concen: 53.25 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





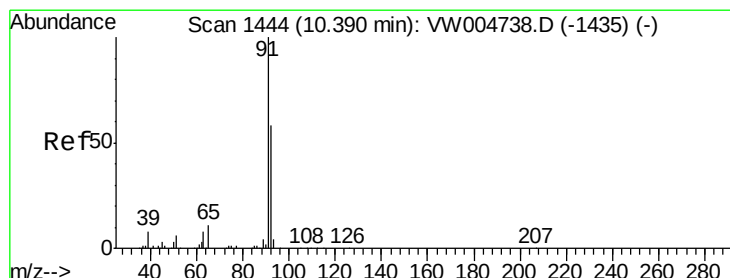
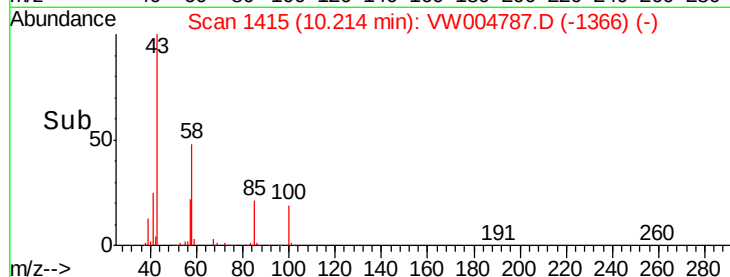
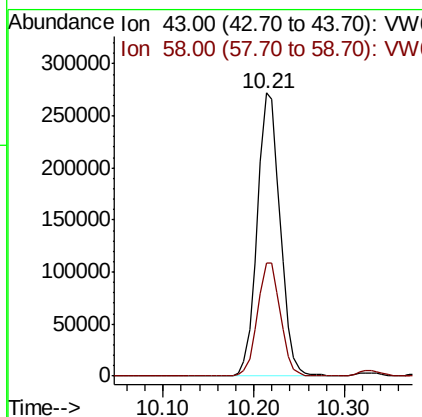
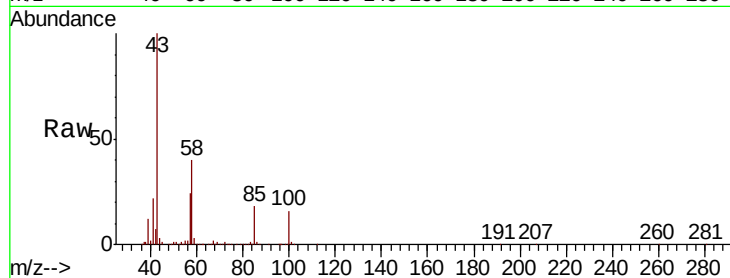
#51
4-Methyl-2-Pentanone
Concen: 98.09 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	32.7	49.1

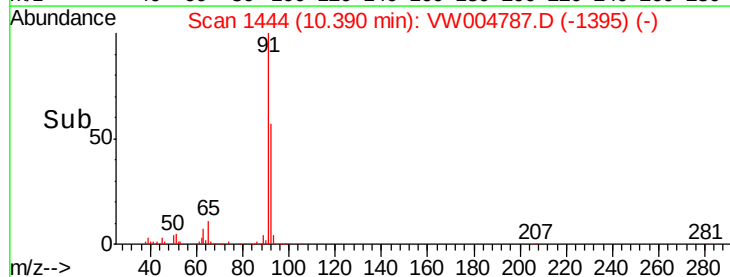
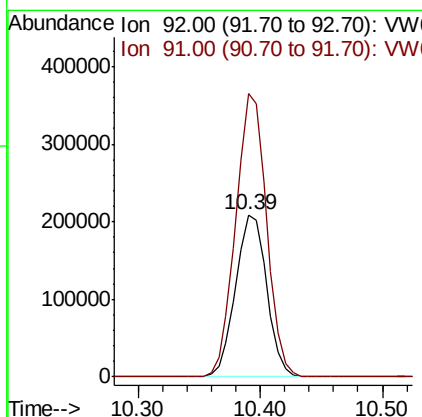
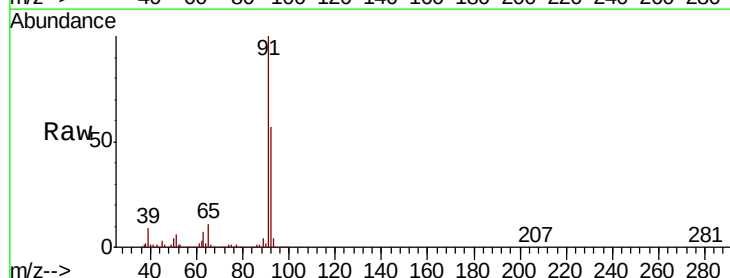
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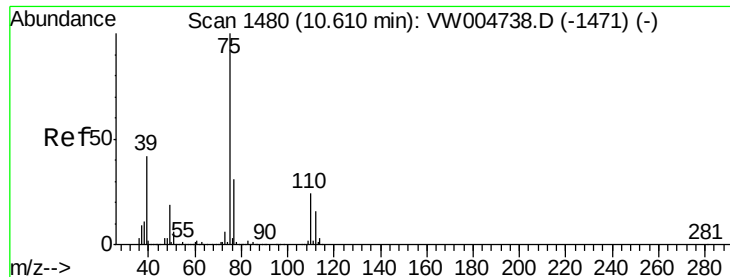
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#52
Toluene
Concen: 21.12 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.3	207.5





#53

t-1,3-Dichloropropene

Concen: 19.81 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampled :

VW0820SBSD01

Tot Ion: 75 Resp: 167459

Ion Ratio Lower Upper

75 100

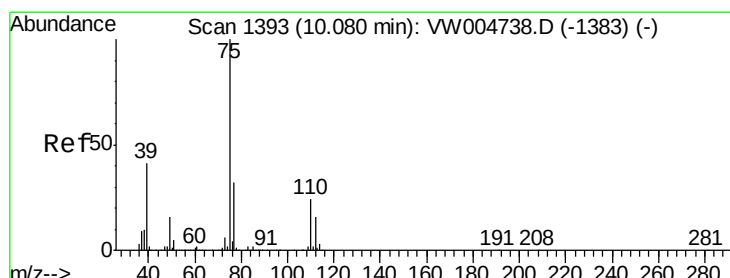
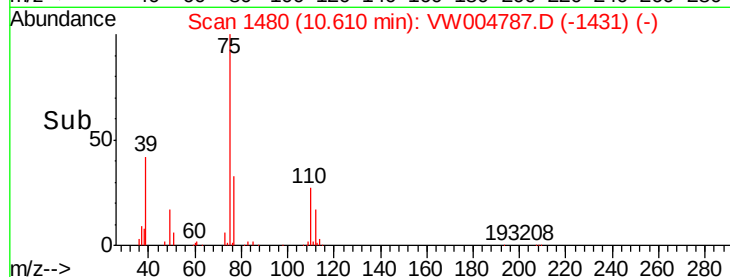
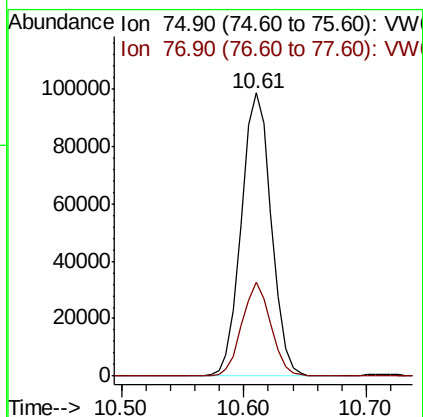
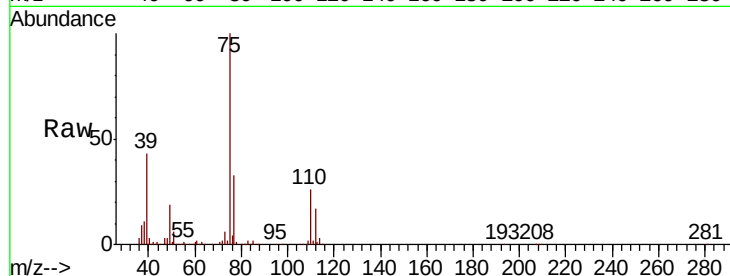
77 33.2 24.8 37.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.59 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

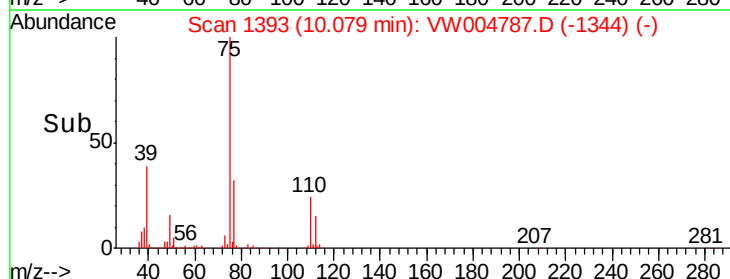
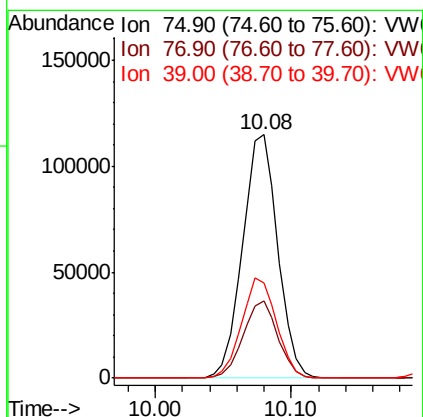
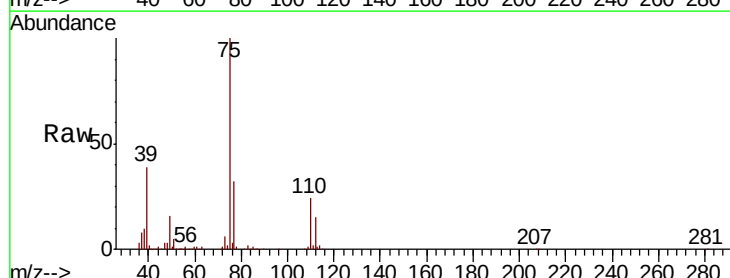
Tgt Ion: 75 Resp: 207498

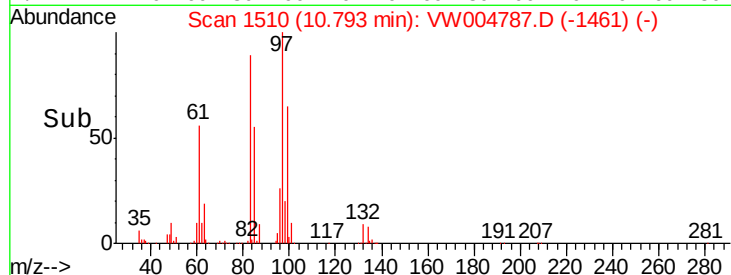
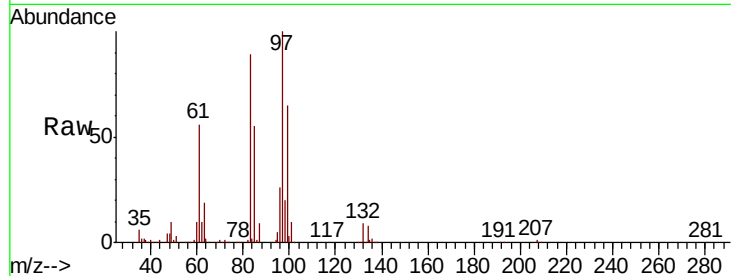
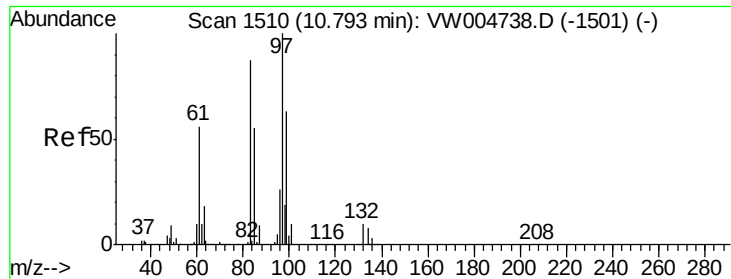
Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4

39 38.7 33.0 49.4





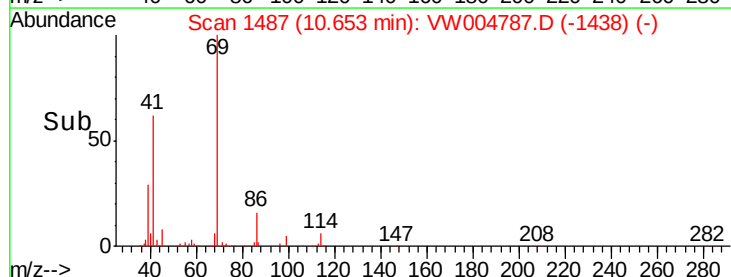
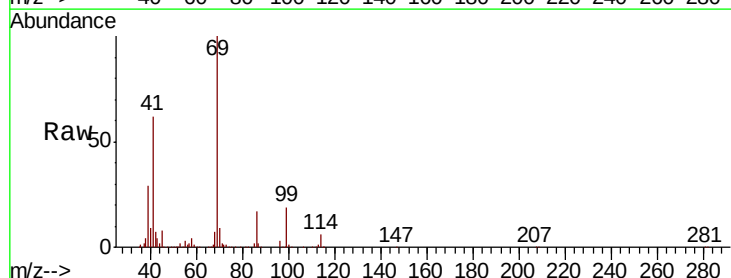
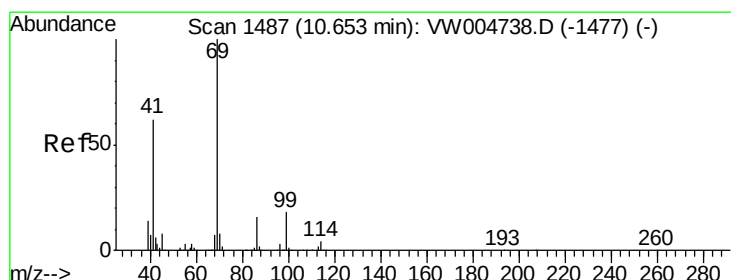
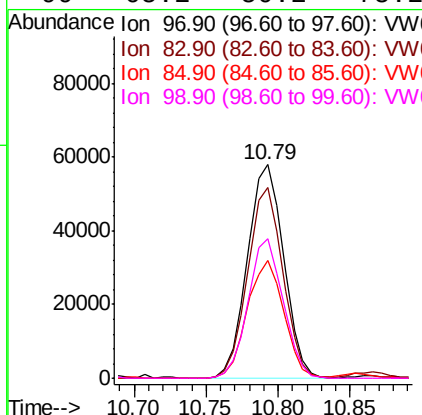
#55
1,1,2-Trichloroethane
Concen: 20.16 ug/l
RT: 10.79 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100704		
83	89.3	69.4	104.2		
85	55.3	44.3	66.5		
99	65.2	50.2	75.2		

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

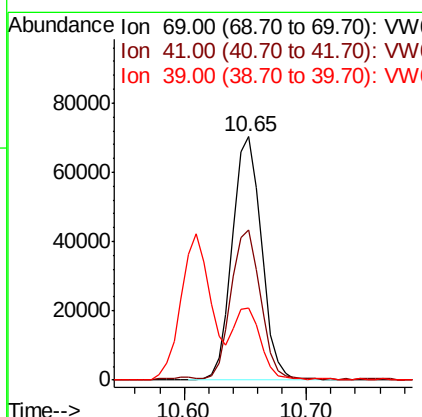
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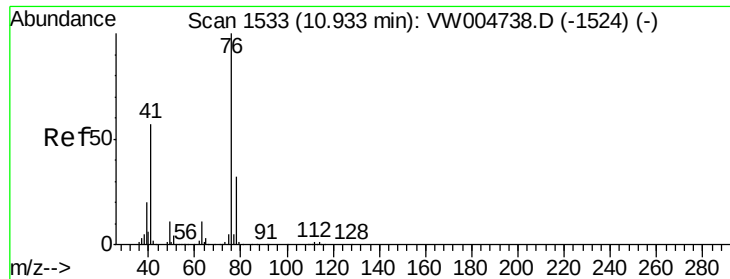
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#56
Ethyl methacrylate
Concen: 19.73 ug/l
RT: 10.65 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		116192		
41	62.1	50.7	76.1		
39	26.8	21.4	32.2		





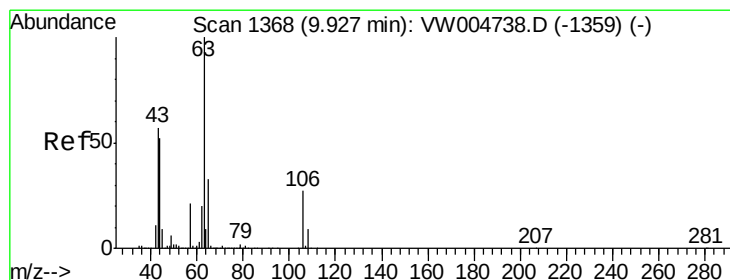
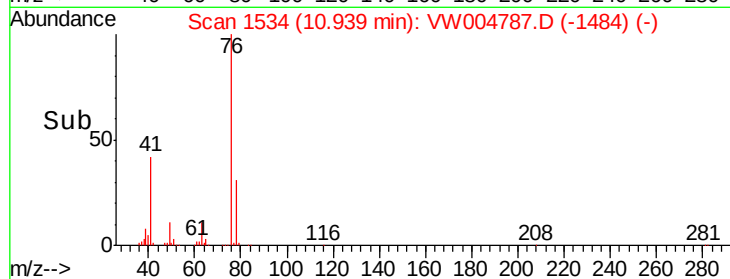
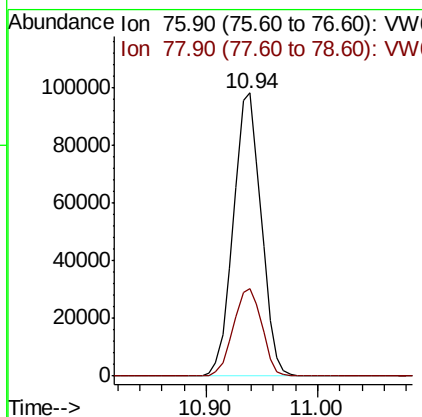
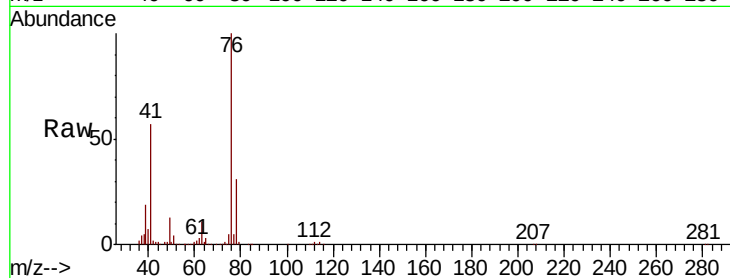
#57
 1,3-Dichloropropane
 Concen: 19.74 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

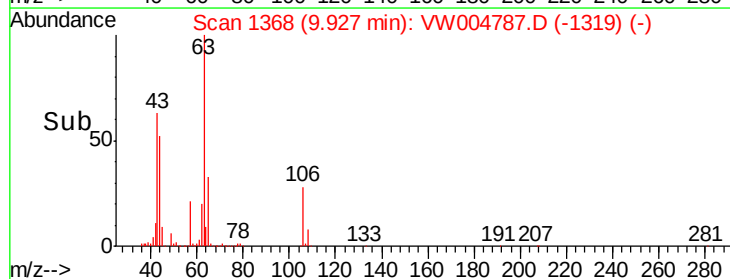
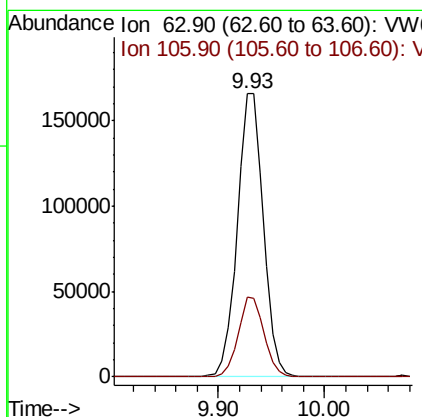
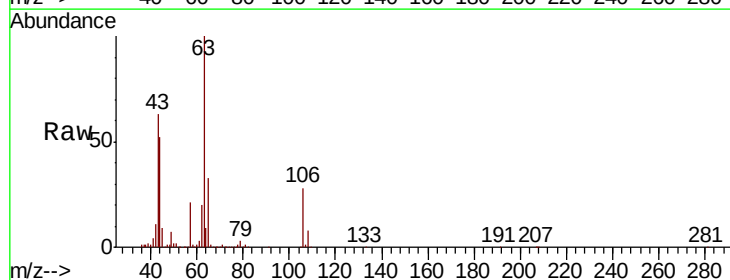
Manual Integrations
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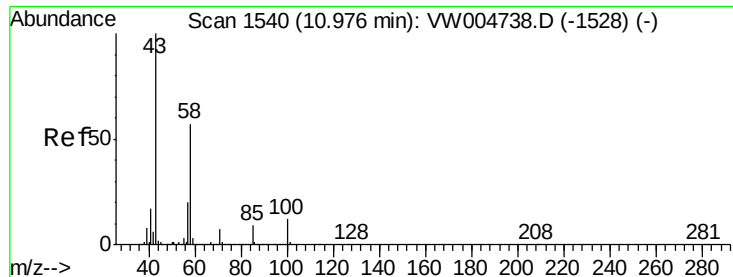
apatel
 8/21/2018 11:31:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.45 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.1	33.1





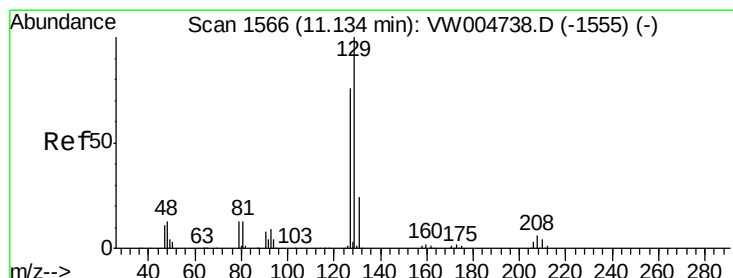
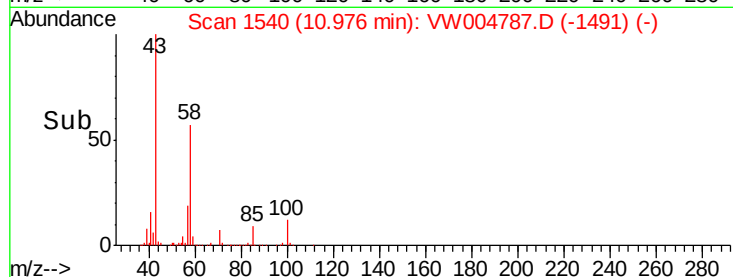
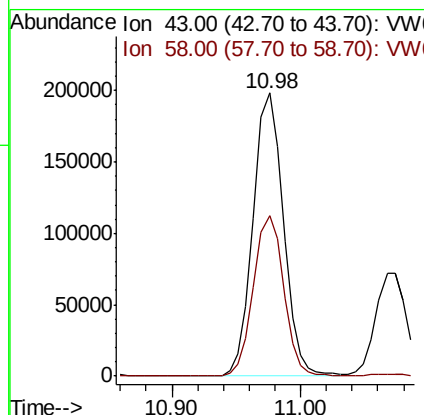
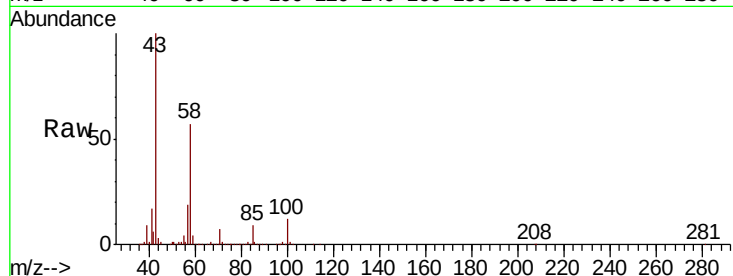
#59
2-Hexanone
Concen: 98.67 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.1	84.4

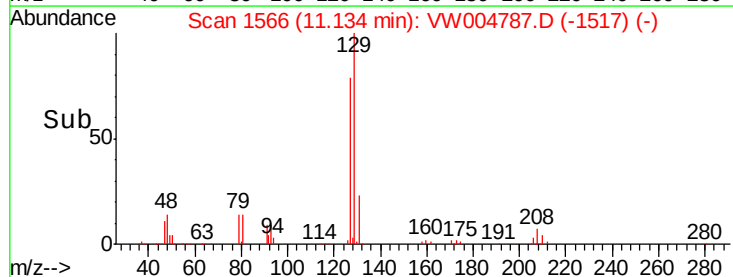
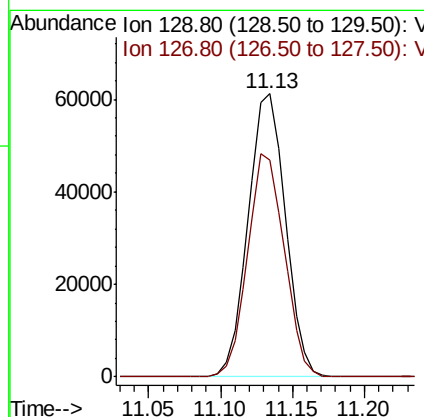
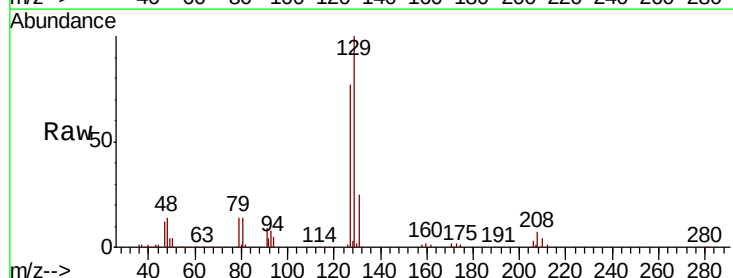
Manual Integrations
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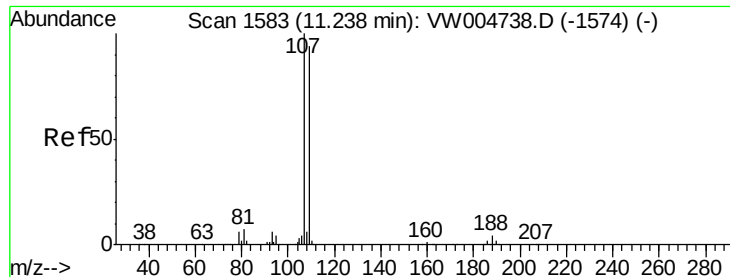
apatel
8/21/2018 11:31:52 AM



#60
Dibromochloromethane
Concen: 19.56 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.78 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 107 Resp: 94446

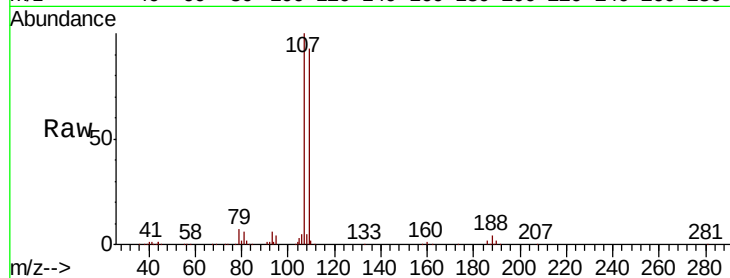
Ion Ratio Lower Upper

107 100

109 93.0 75.5 113.3

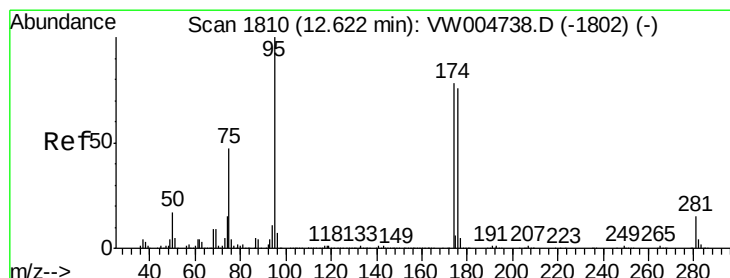
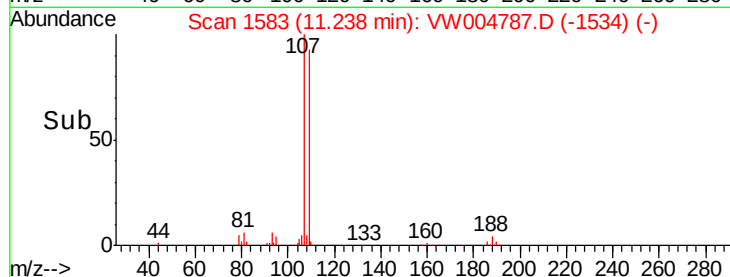
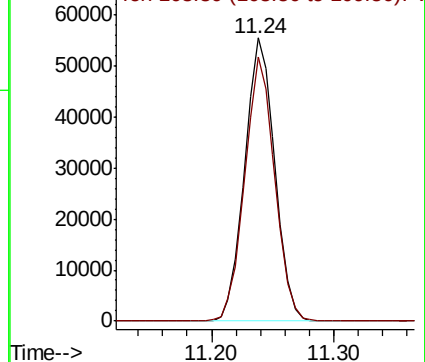
Manual Integrations
APPROVED

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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: 52.32 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

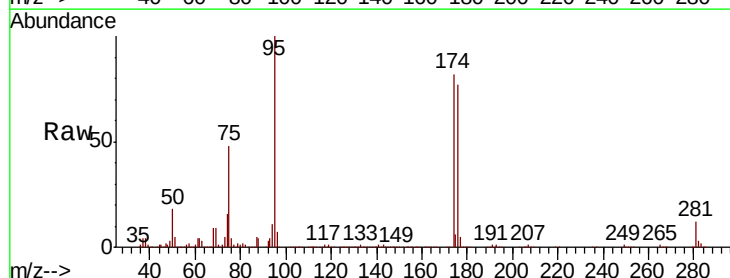
Tgt Ion: 95 Resp: 454797

Ion Ratio Lower Upper

95 100

174 84.7 0.0 165.8

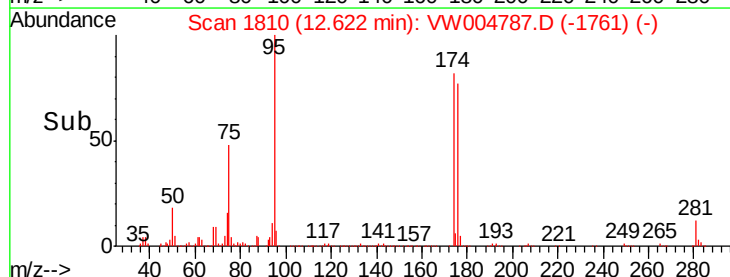
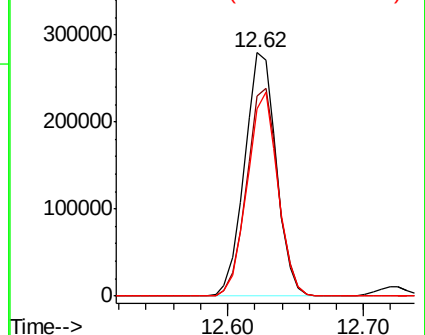
176 81.6 0.0 159.8

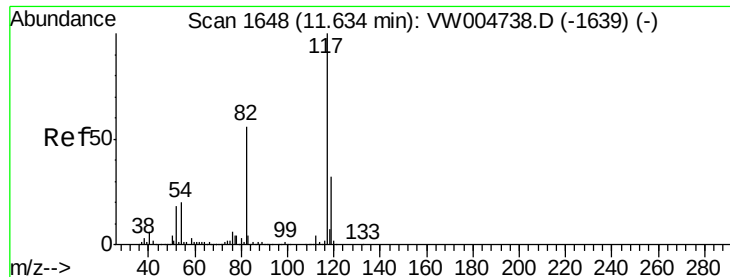


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





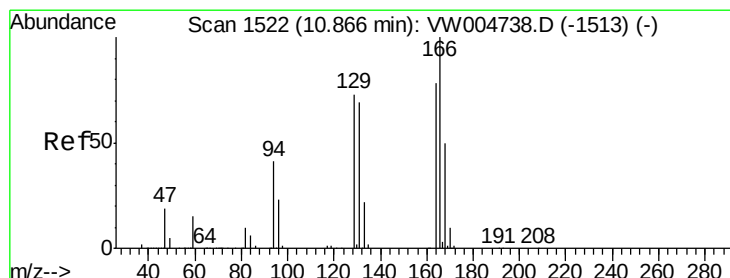
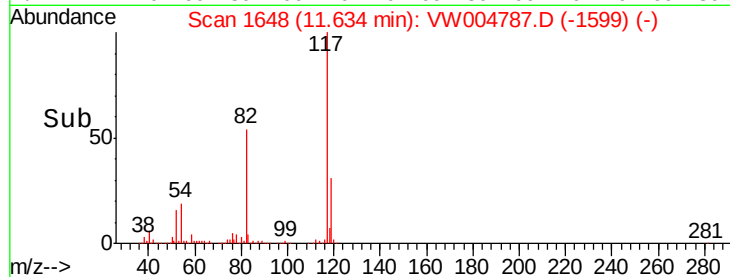
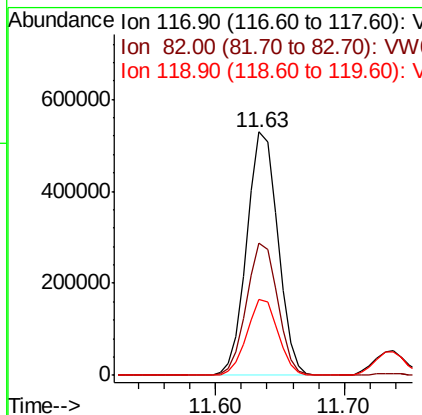
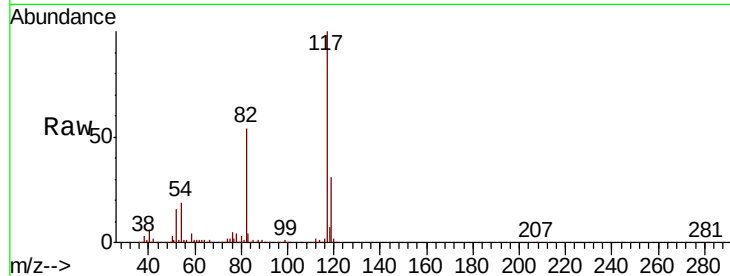
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	879934		
82	54.4		44.6	67.0
119	31.0		25.6	38.4

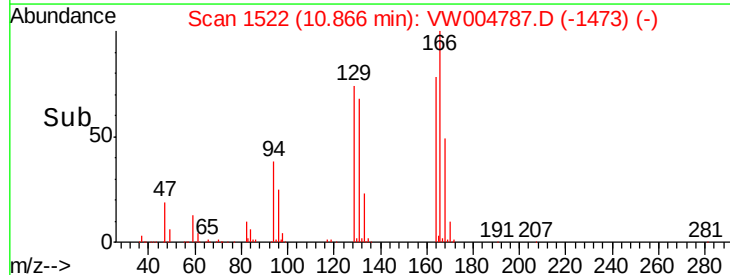
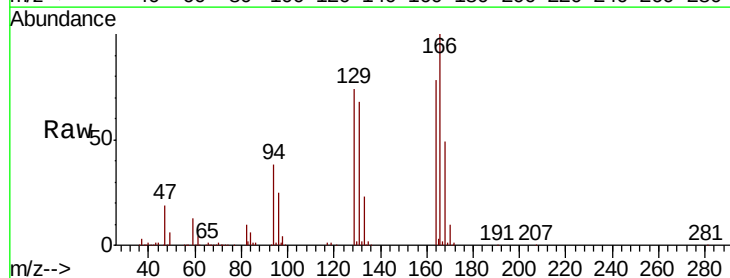
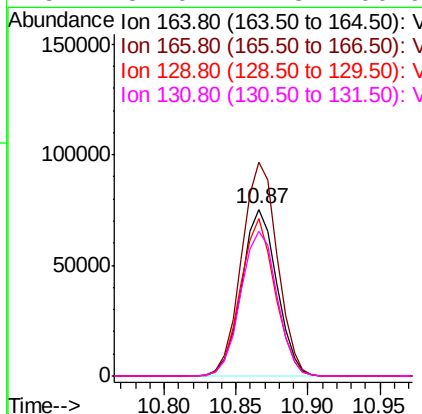
Manual Integrations
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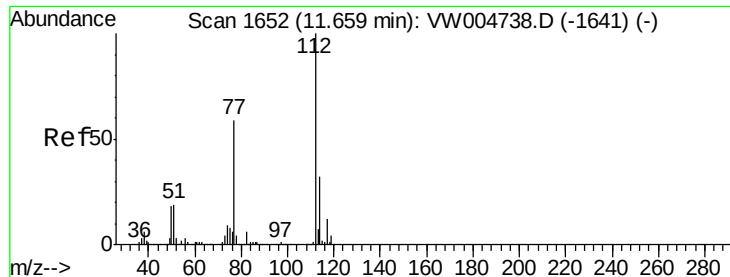
apatel
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#64
Tetrachloroethene
Concen: 21.18 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	127362		
166	128.3		102.5	153.7
129	94.7		75.1	112.7
131	87.0		71.3	106.9





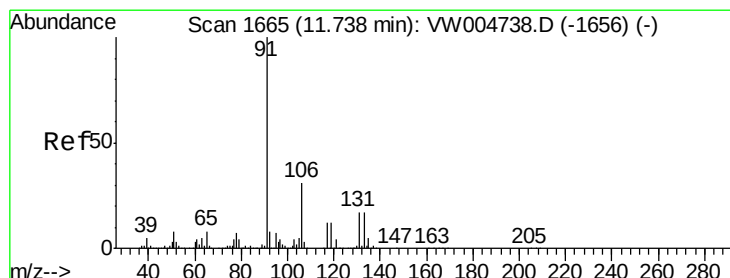
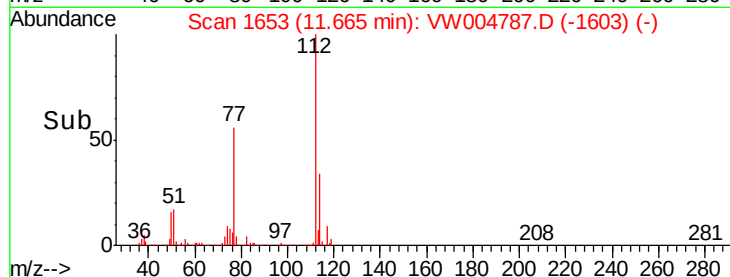
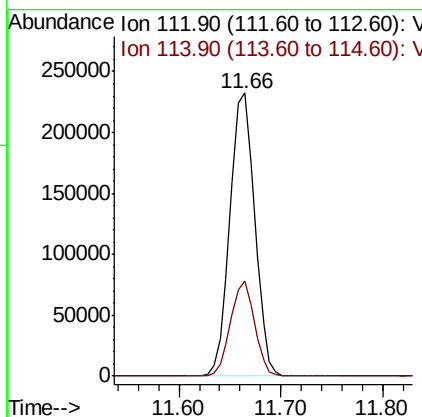
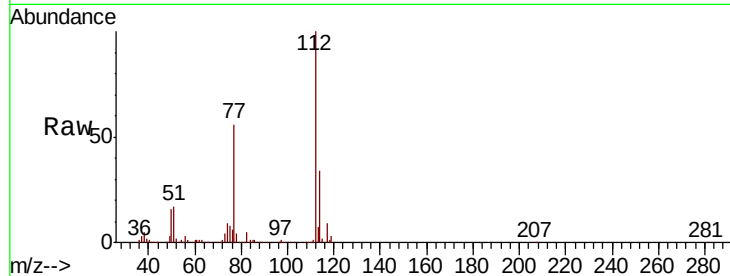
#65
Chlorobenzene
Concen: 20.62 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.4	38.2

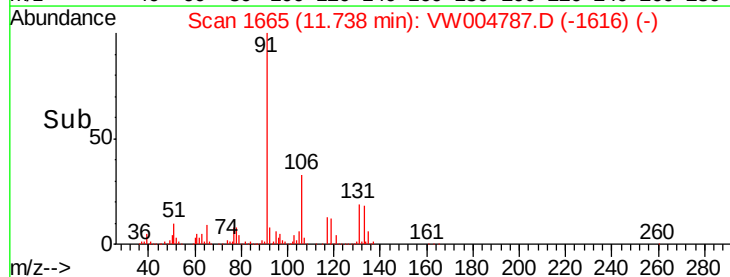
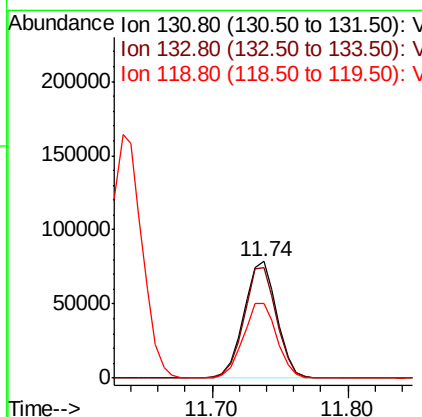
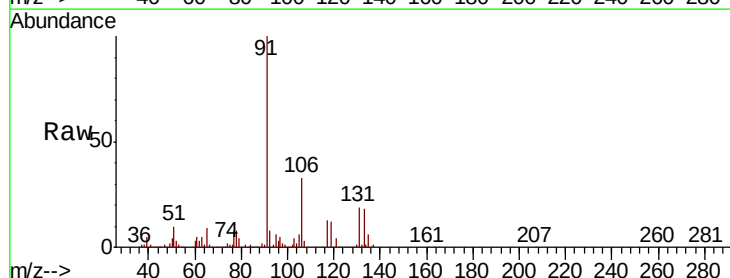
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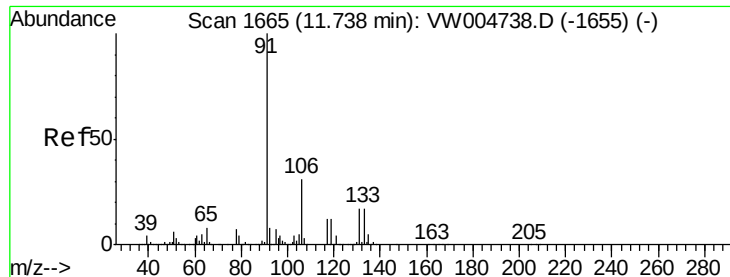
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.75 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.2	144.6
119	65.4	34.0	102.0





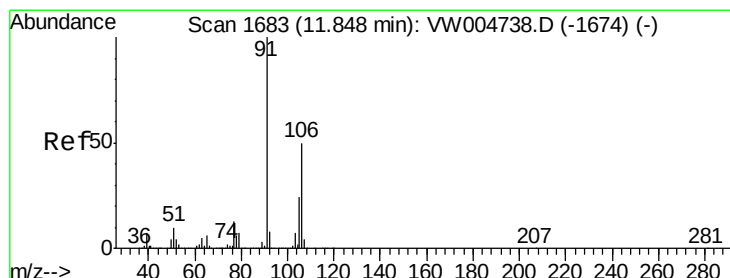
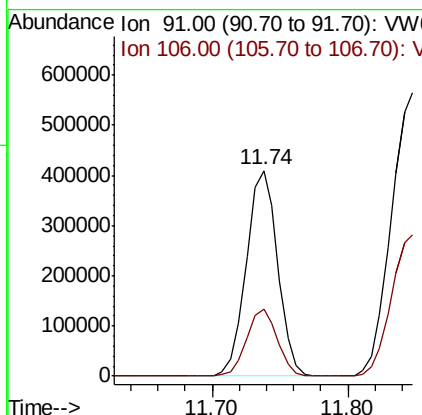
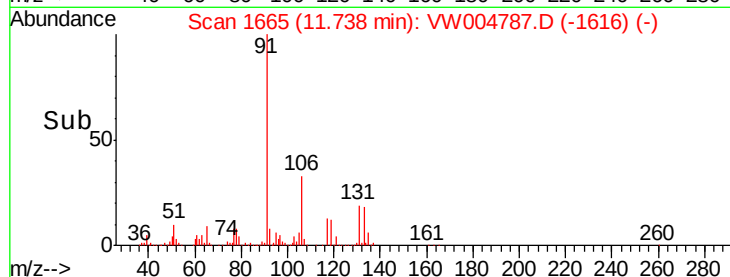
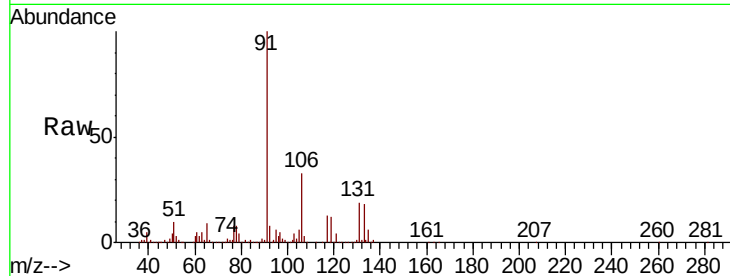
#67
Ethyl Benzene
Concen: 20.60 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampleId :
VW0820SBSD01

Tot Ion: 91 Resp: 661507
Ion Ratio Lower Upper
91 100
106 32.8 24.9 37.3

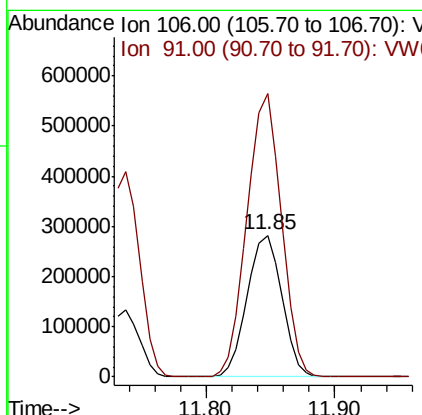
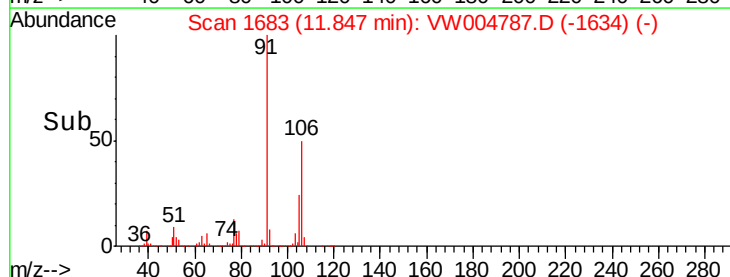
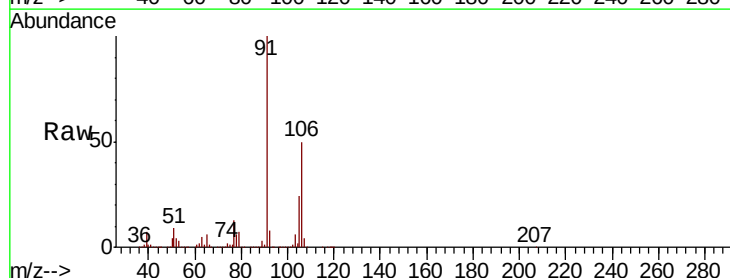
Manual Integrations
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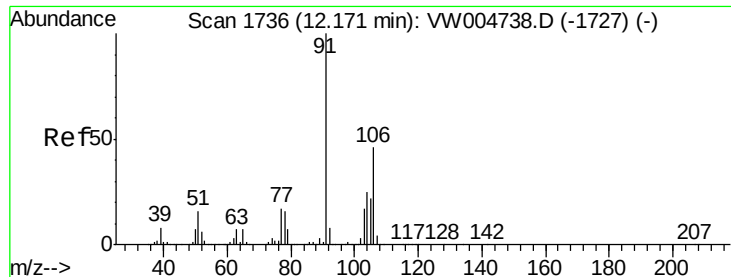
apatel
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#68
m/p-Xylenes
Concen: 42.23 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion: 106 Resp: 527543
Ion Ratio Lower Upper
106 100
91 197.6 159.9 239.9





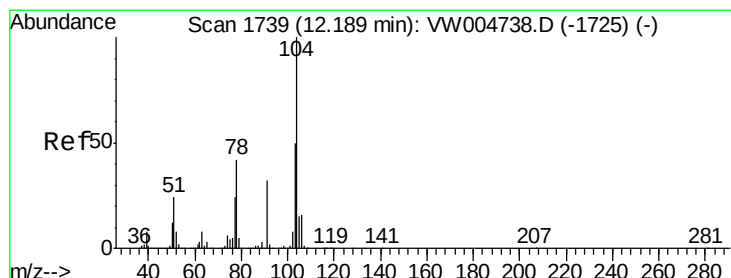
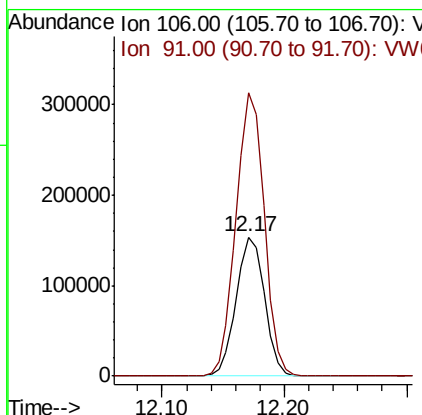
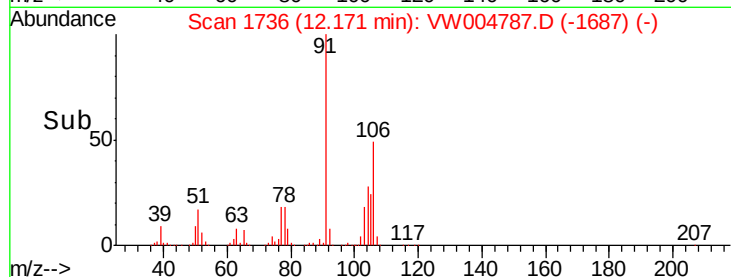
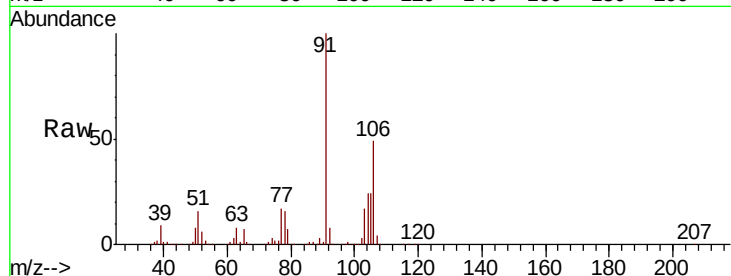
#69
o-Xylene
Concen: 21.37 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.5	107.3	321.8

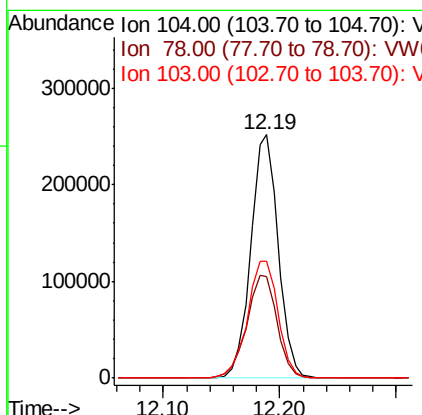
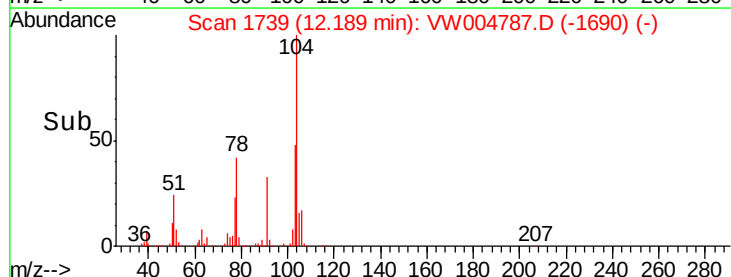
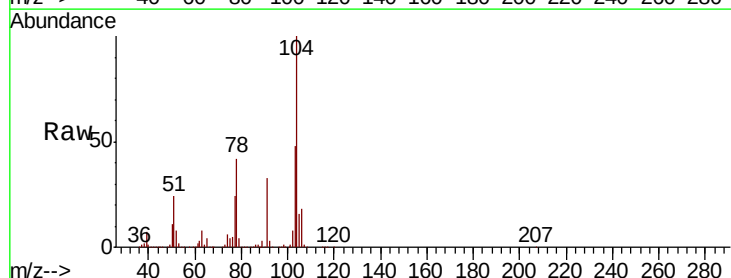
Manual Integrations
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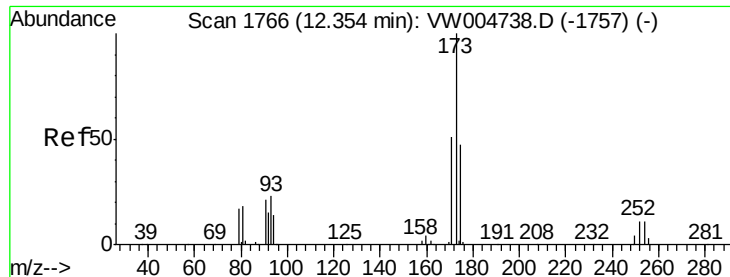
apatel
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#70
Styrene
Concen: 21.18 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	38.4	57.6
103	53.9	44.1	66.1





#71

Bromoform

Concen: 20.14 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBSD01

Tot Ion:173 Resp: 67982

Ion Ratio Lower Upper

173 100

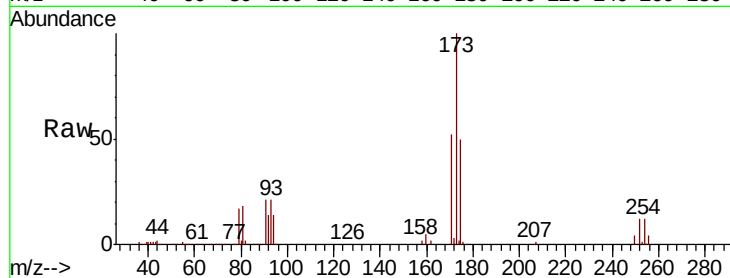
175 49.8 23.8 71.4

254 0.2 0.1 0.1#

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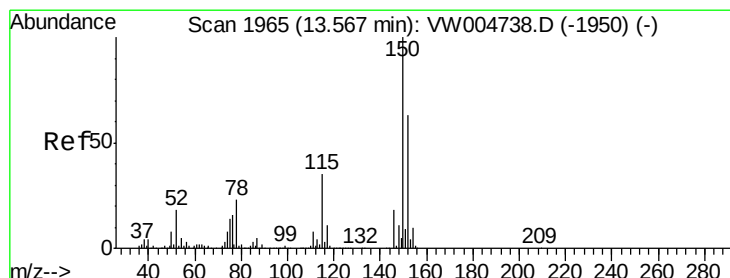
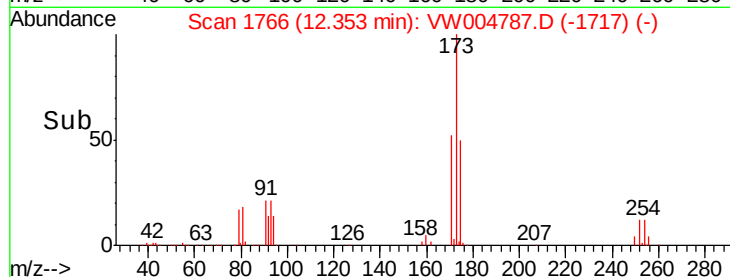
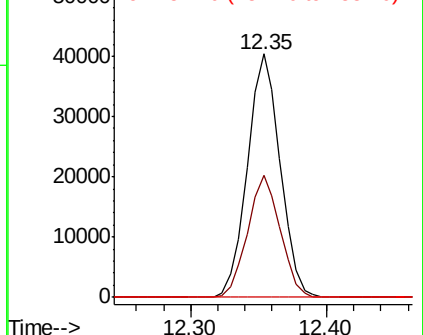
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

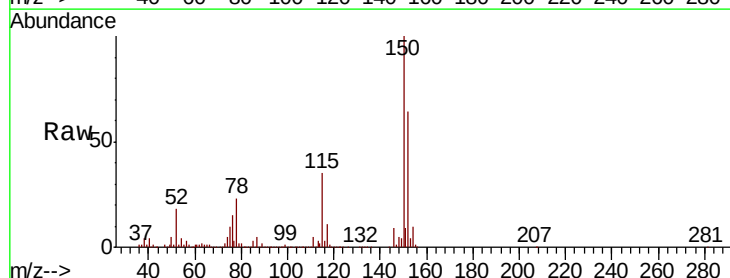
Tgt Ion:152 Resp: 475324

Ion Ratio Lower Upper

152 100

115 56.5 28.5 85.5

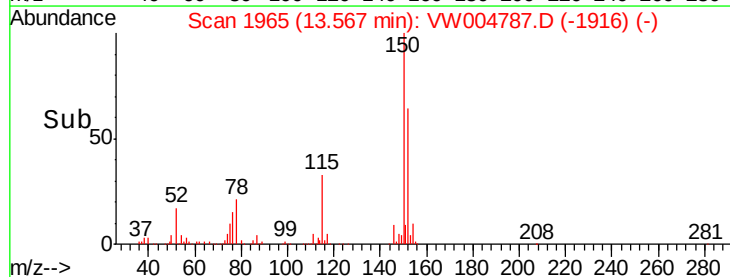
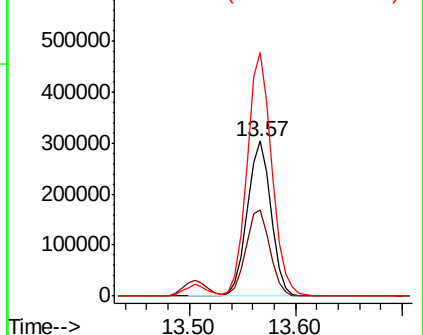
150 163.5 0.0 344.8

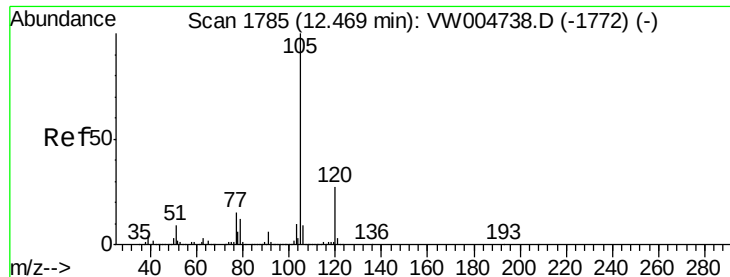


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.68 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampleId :

VW0820SBS01

Tot Ion: 105 Resp: 701132

Ion Ratio Lower Upper

105 100

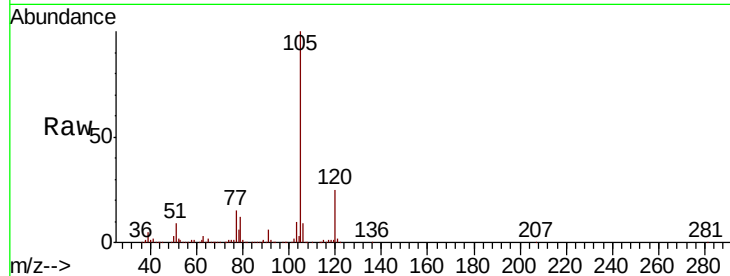
120 26.3 13.3 39.9

Manual Integrations

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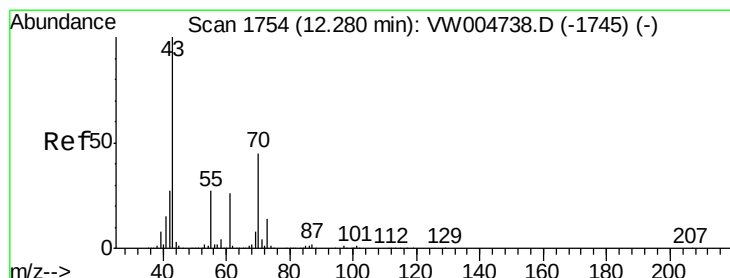
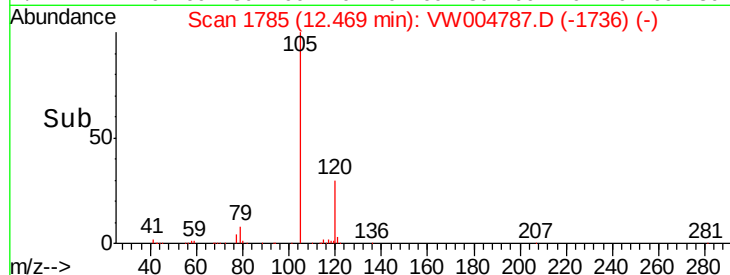
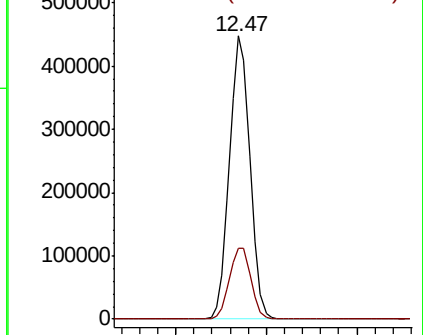
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.70 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion: 43 Resp: 129180

Ion Ratio Lower Upper

43 100

70 47.1 36.3 54.5

55 30.8 22.6 33.8

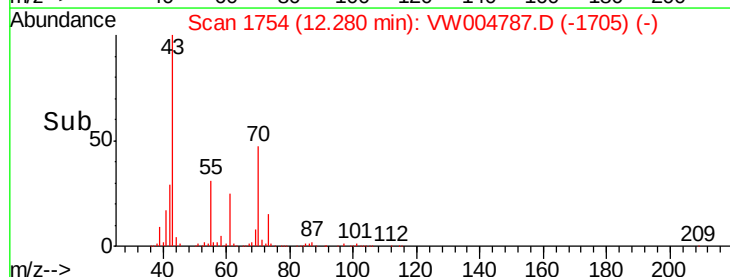
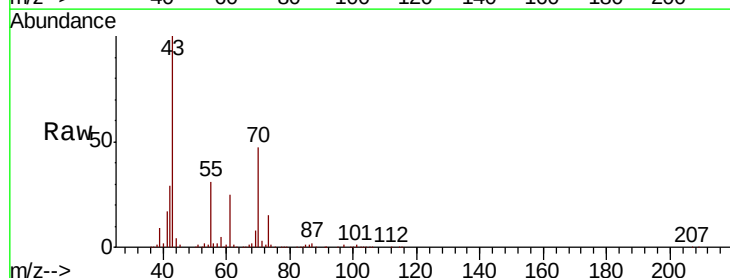
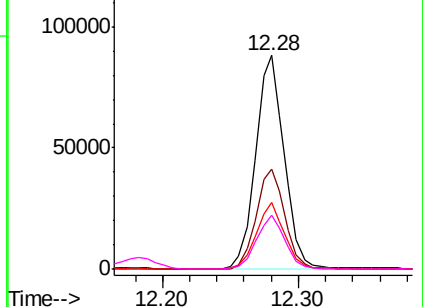
61 25.2 20.2 30.4

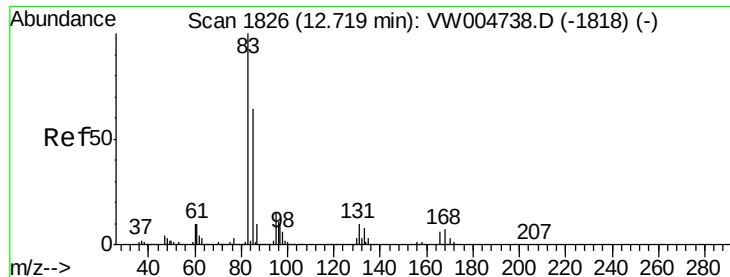
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 20.07 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

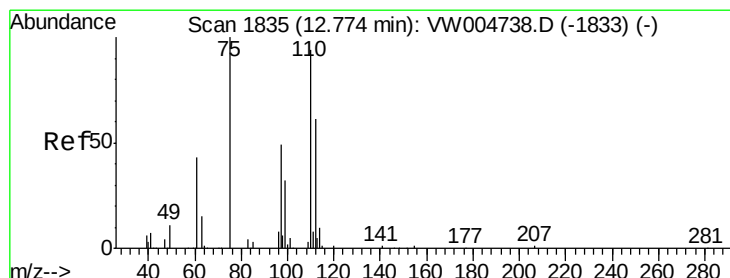
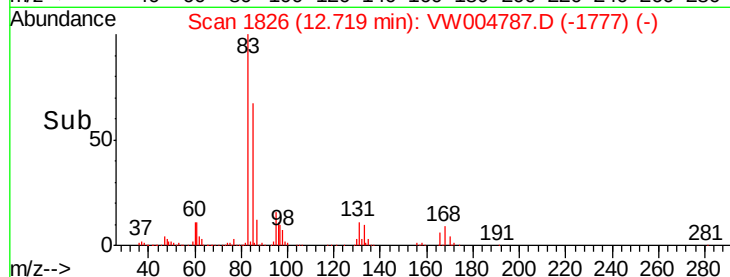
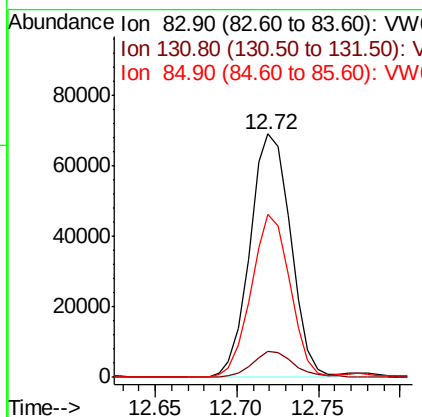
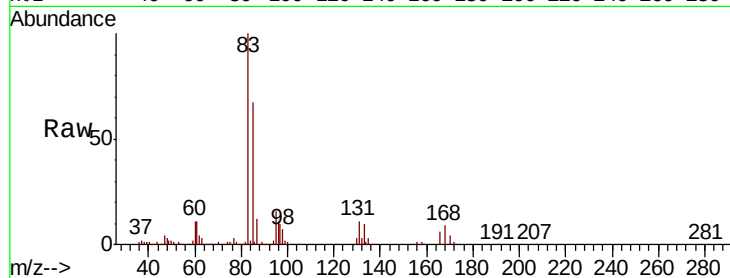
ClientSampleId :

VW0820SBSD01

Tot Ion:	83	Resp:	120215
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	64.3	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.89 ug/l m

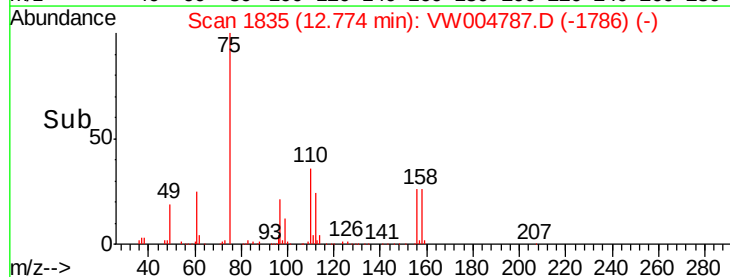
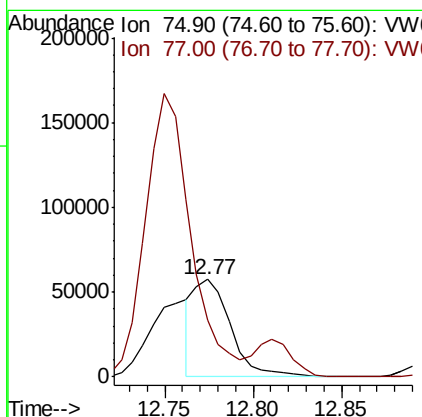
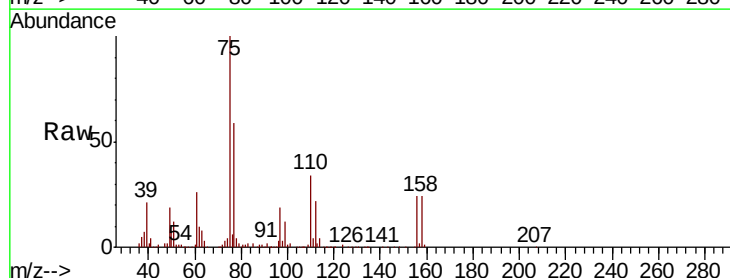
RT: 12.77 min Scan# 1835

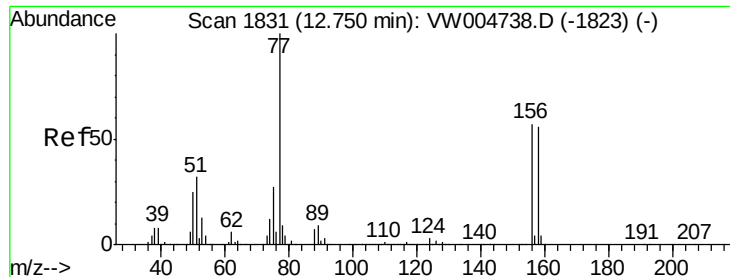
Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Tgt Ion:	75	Resp:	83343
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.94 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

ClientSampled :

VW0820SBS01

Tot Ion:156 Resp: 163936

Ion Ratio Lower Upper

156 100

77 182.7 94.2 282.4

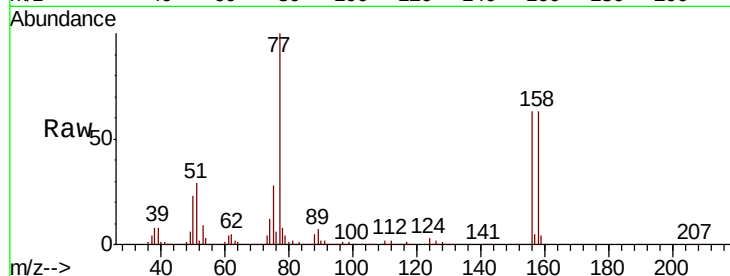
158 97.1 48.6 145.9

Manual Integrations

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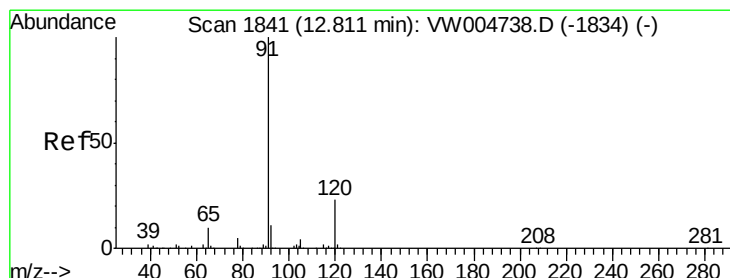
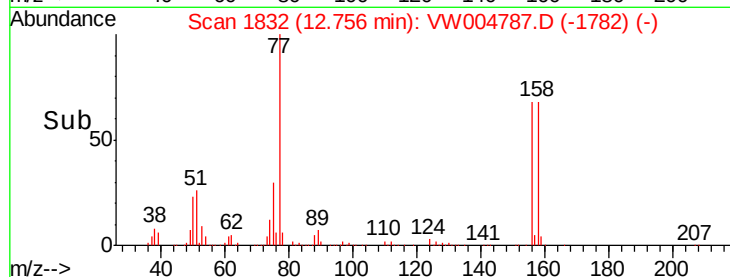
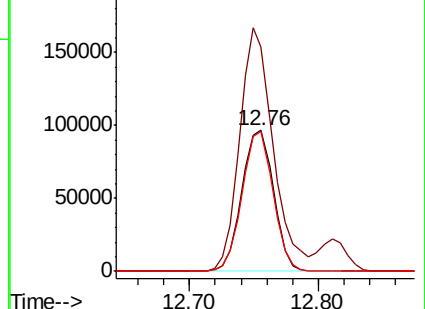
8/21/2018 11:31:52 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.58 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004787.D

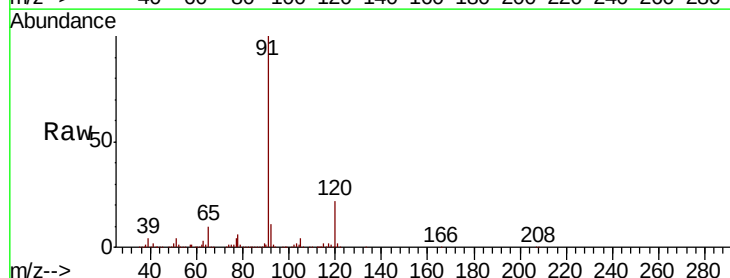
Acq: 20 Aug 2018 13:37

Tgt Ion: 91 Resp: 851573

Ion Ratio Lower Upper

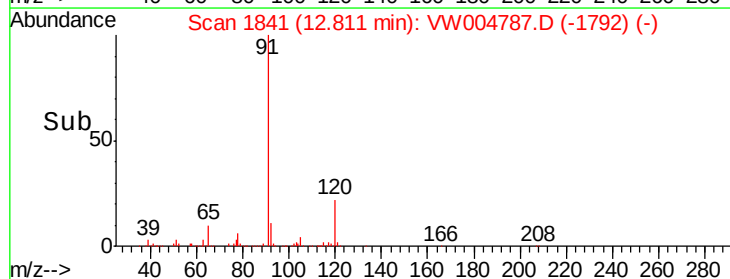
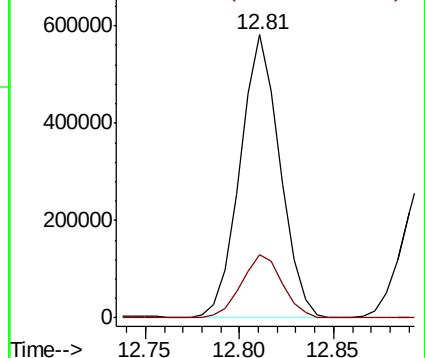
91 100

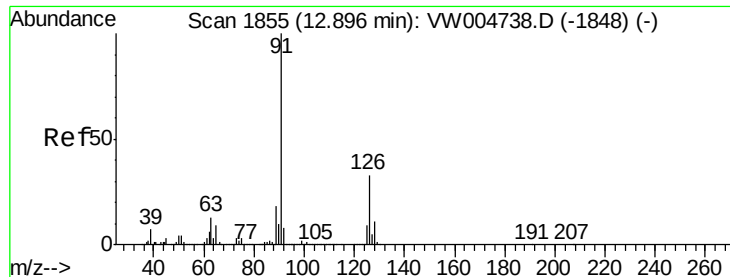
120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





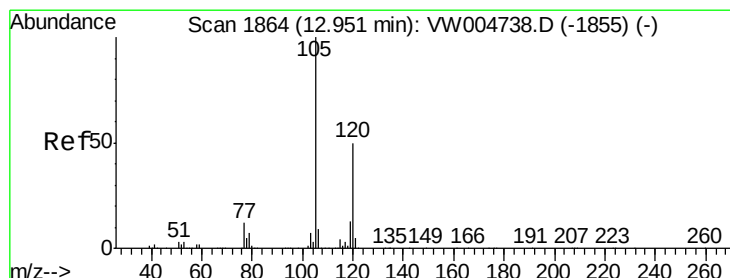
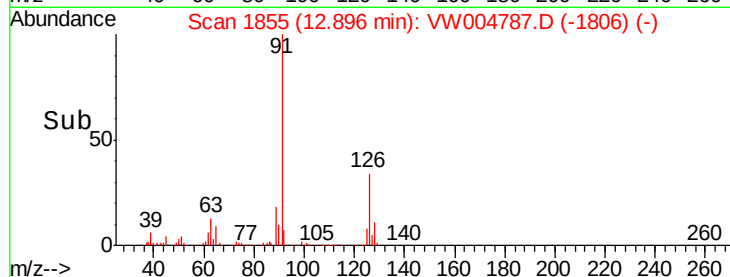
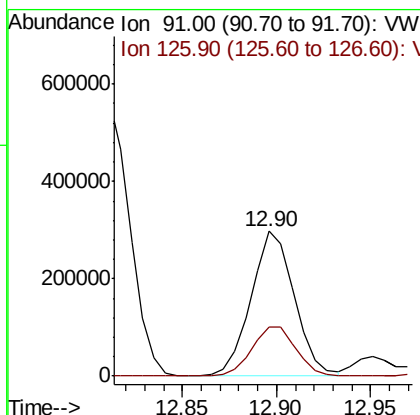
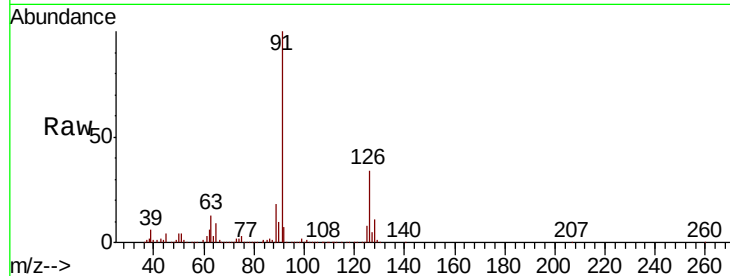
#79
 2-Chlorotoluene
 Concen: 20.84 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD01

Tot Ion: 91 Resp: 474076
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.0 51.0

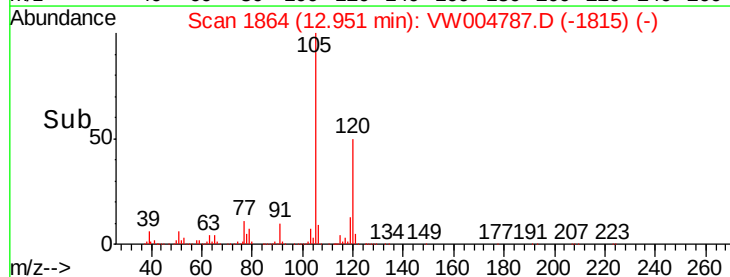
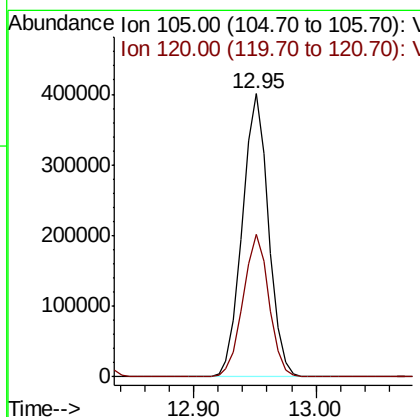
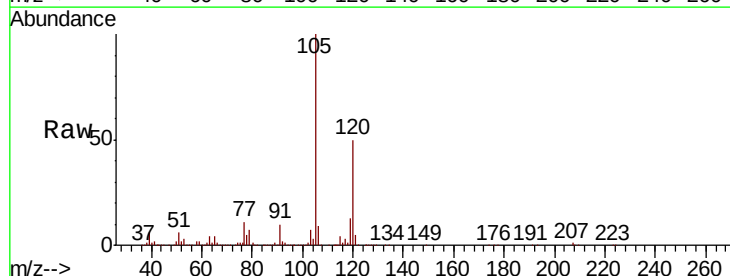
Manual Integrations
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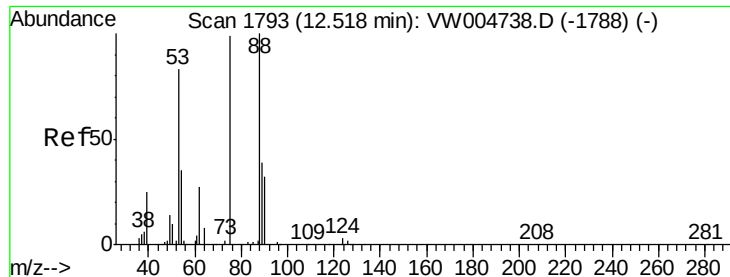
apatel
 8/21/2018 11:31:52 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.60 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion:105 Resp: 593291
 Ion Ratio Lower Upper
 105 100
 120 49.9 24.7 74.1





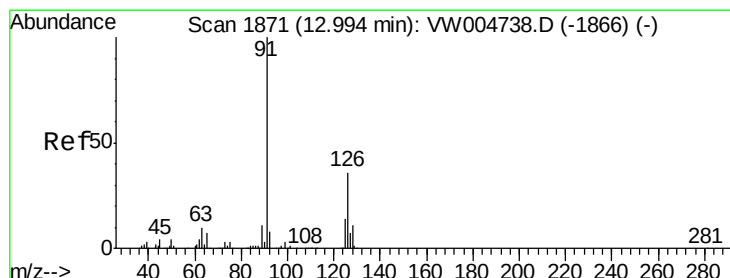
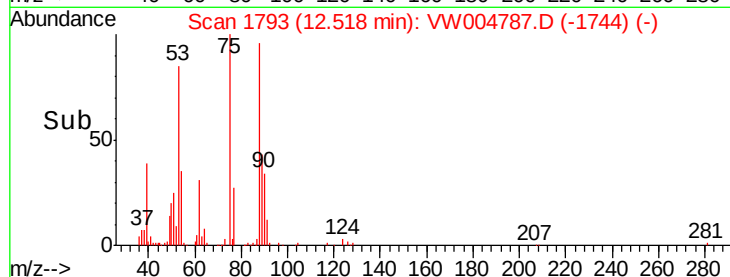
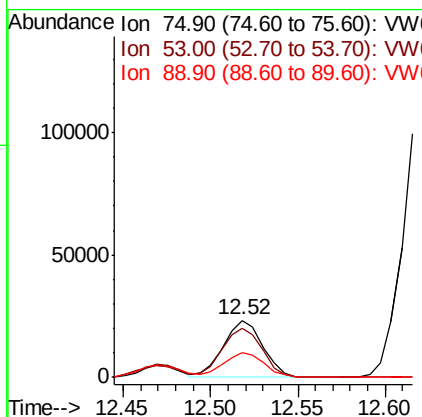
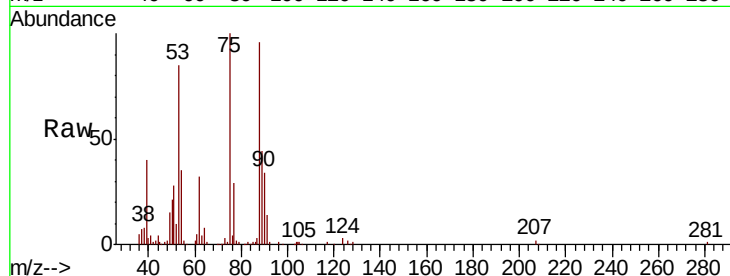
#81
trans-1,4-Dichloro-2-butene
Concen: 20.21 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampled :
VW0820SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.8	72.2	108.4
89	44.2	35.2	52.8

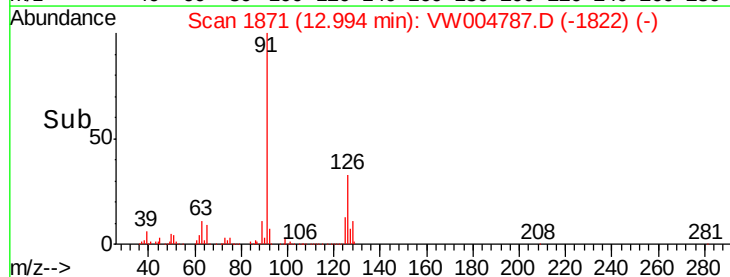
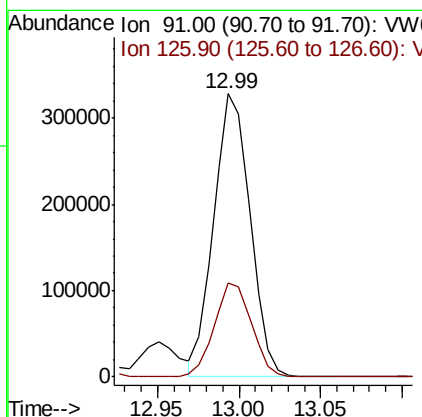
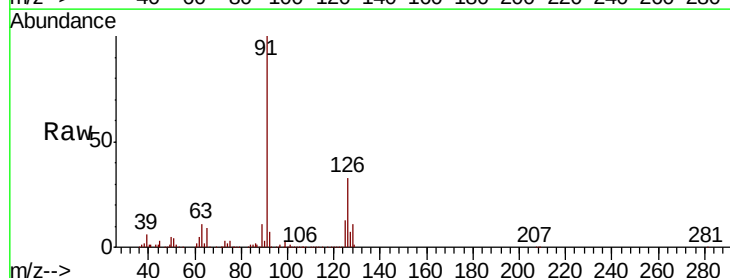
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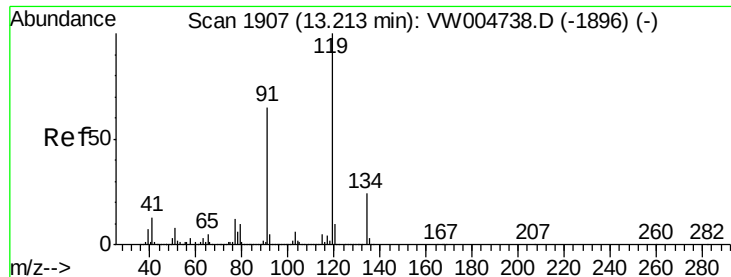
apatel
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#82
4-Chlorotoluene
Concen: 21.10 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.7





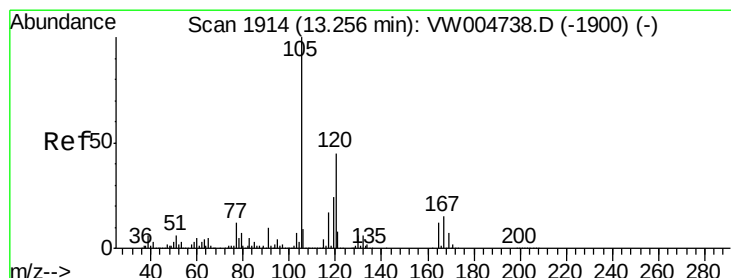
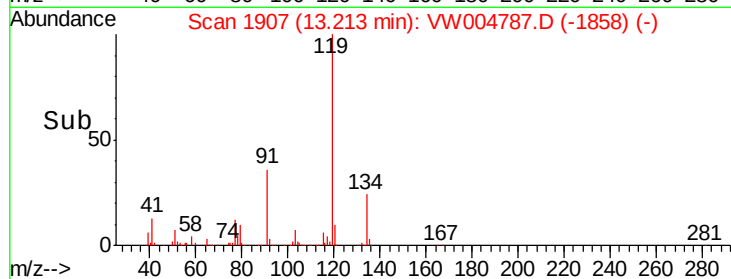
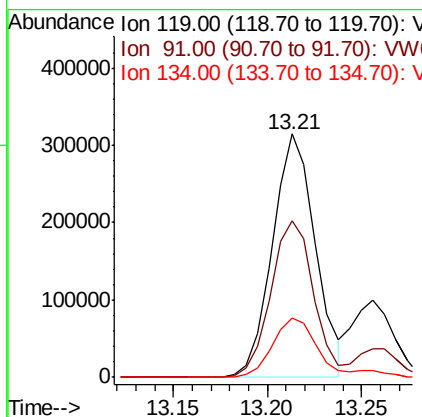
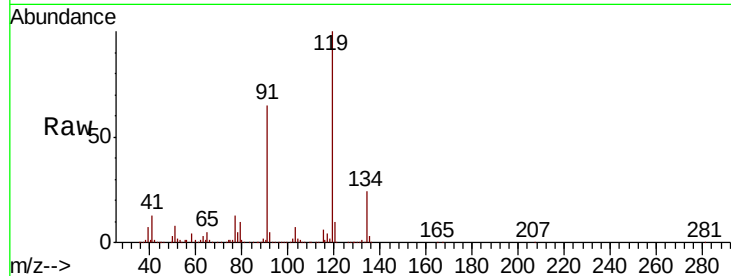
#83
 tert-Butylbenzene
 Concen: 21.14 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	496813		
91	65.1	32.6	97.8	
134	26.8	13.1	39.3	

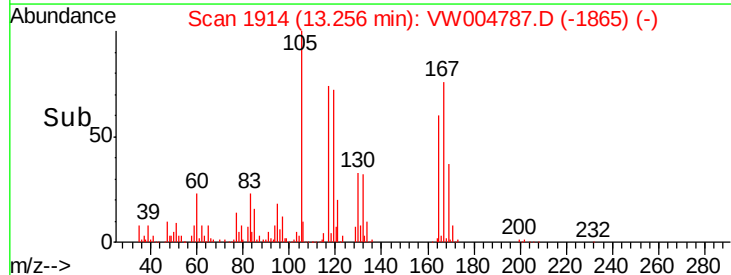
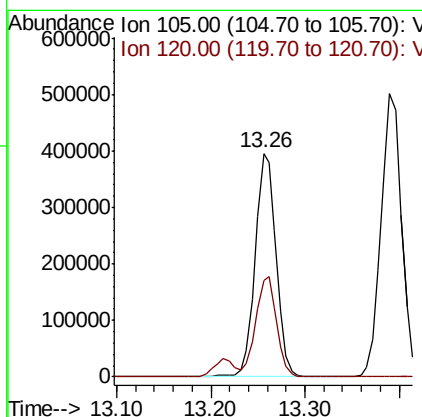
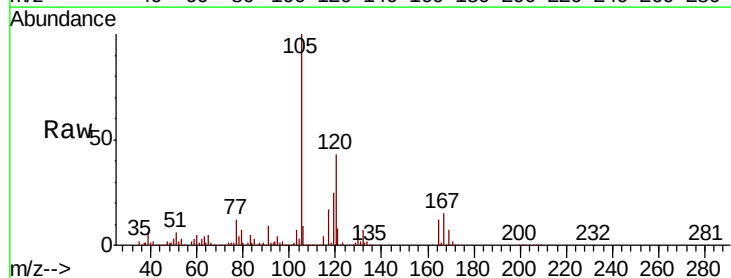
Manual Integrations
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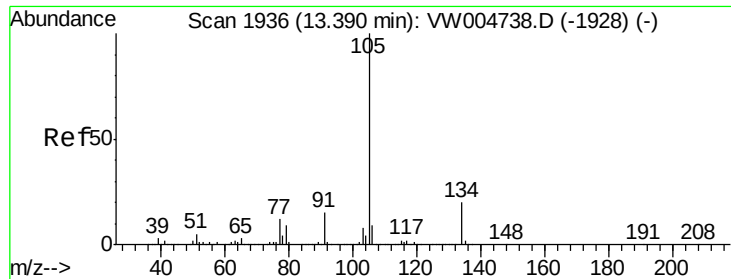
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.88 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	618420		
120	44.5	22.8	68.3	





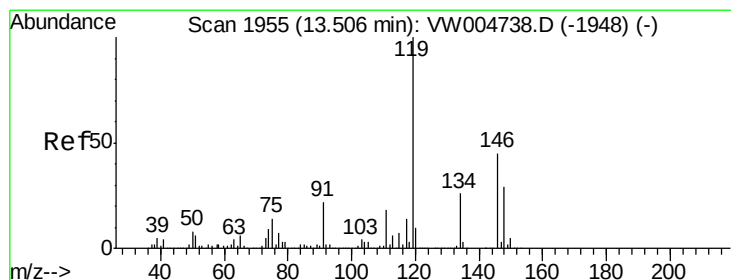
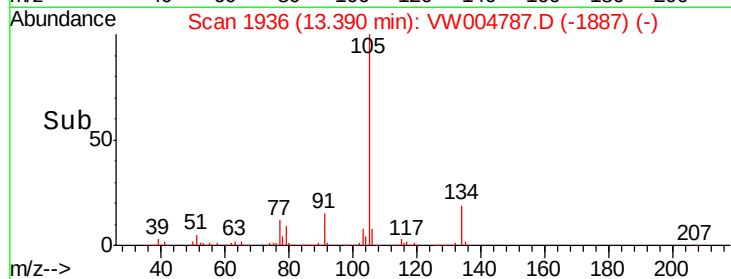
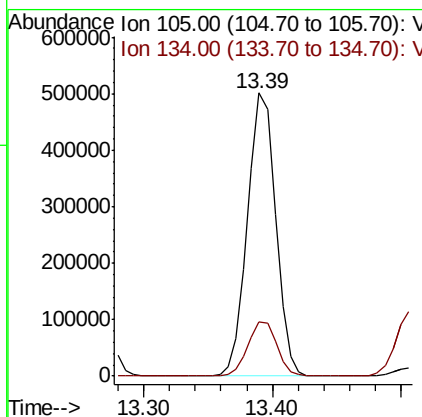
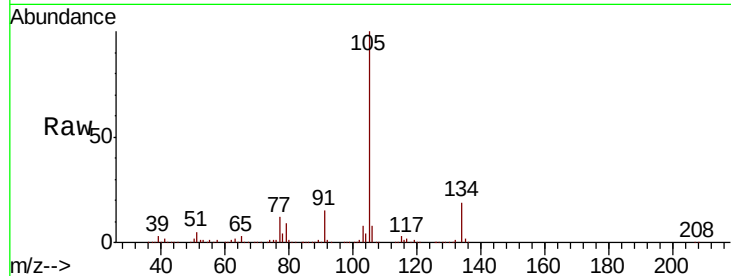
#85
 sec-Butylbenzene
 Concen: 21.58 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	29.8

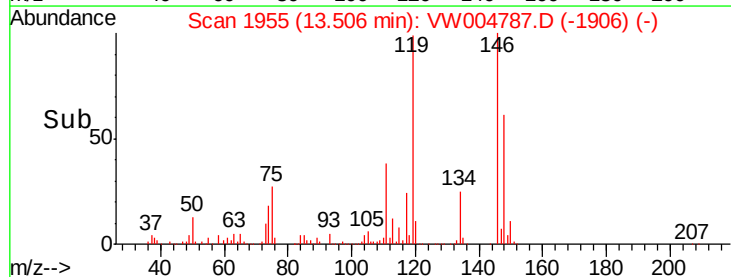
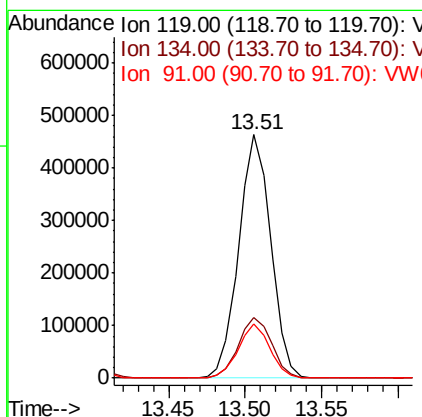
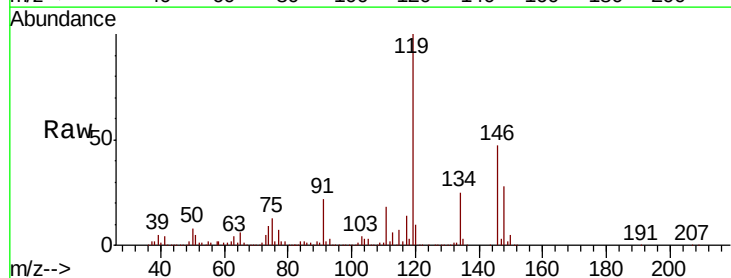
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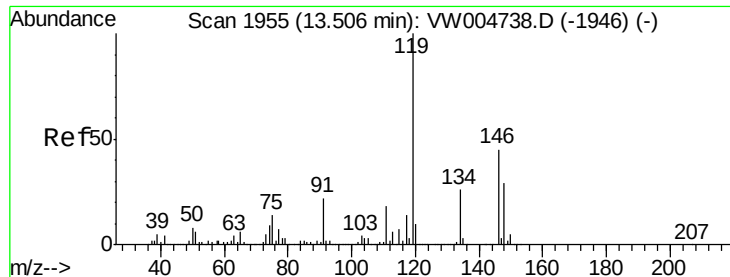
apatel
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#86
 p-Isopropyltoluene
 Concen: 22.01 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.1	39.3
91	21.9	11.2	33.5





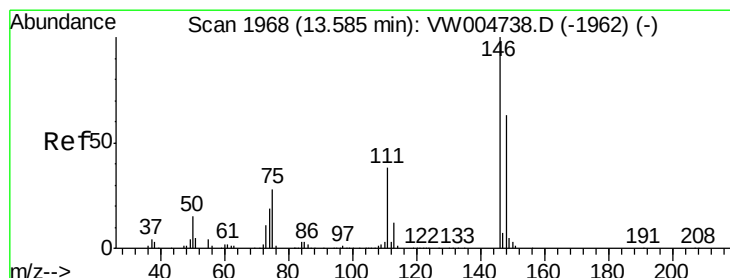
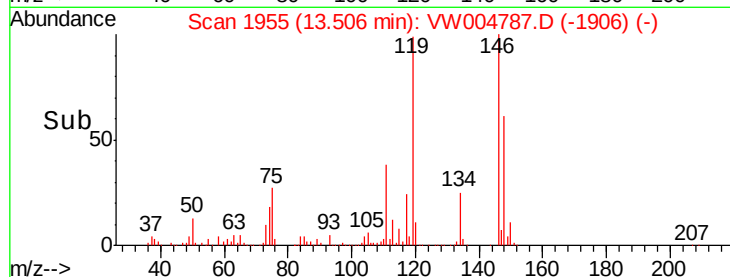
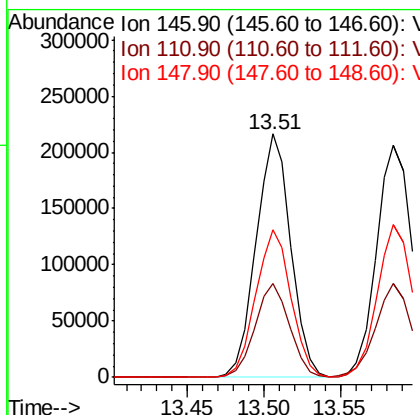
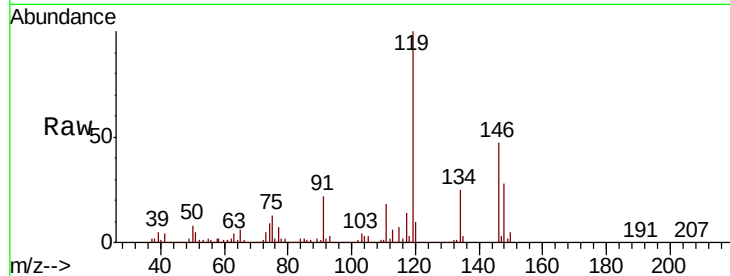
#87
 1,3-Dichlorobenzene
 Concen: 21.40 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.8	59.4
148	61.7	31.9	95.9

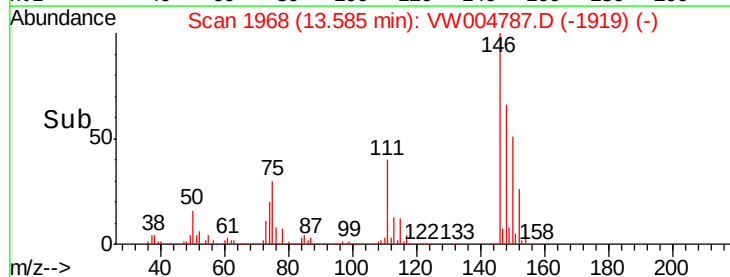
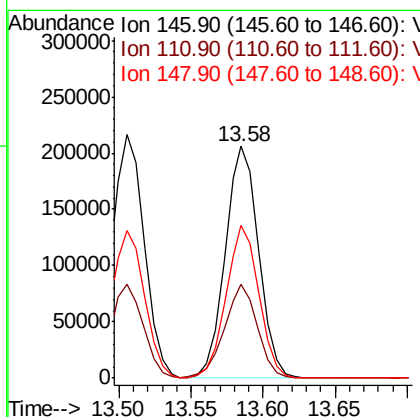
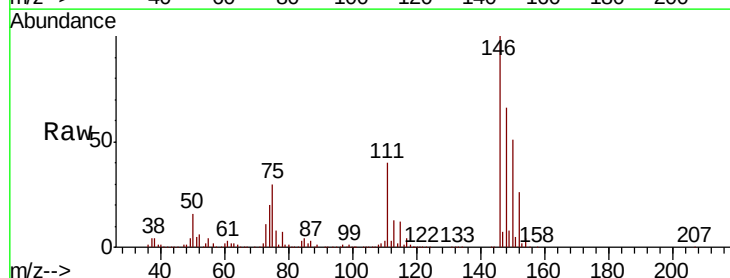
Manual Integrations
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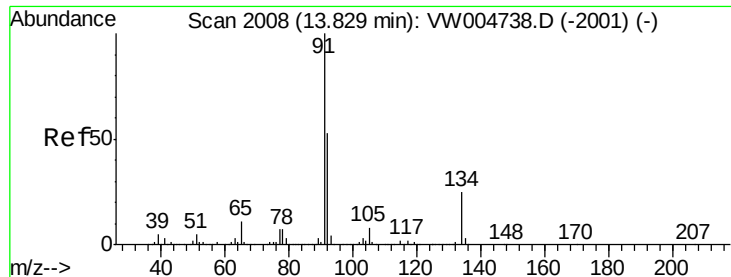
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#88
 1,4-Dichlorobenzene
 Concen: 20.96 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.3	57.8
148	64.5	31.8	95.3





#89

n-Butylbenzene

Concen: 20.79 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

Instrument :

MSVOA_W

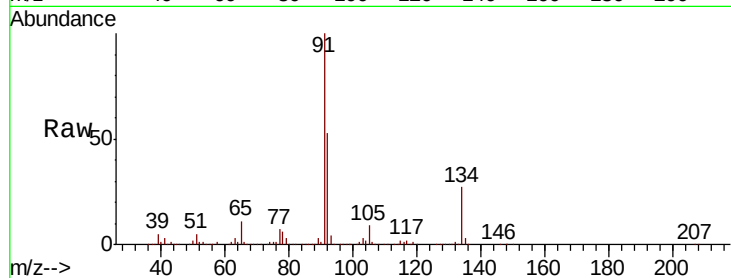
ClientSampleID :

VW0820SBS01

Tot Ion:	91	Resp:	613543
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.2
134	26.4	12.8	38.3

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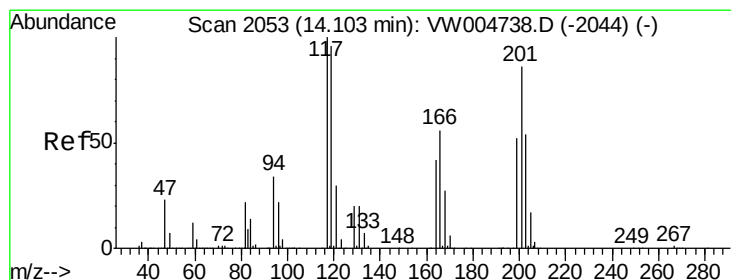
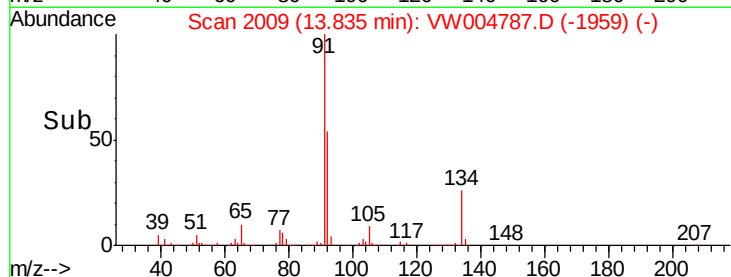
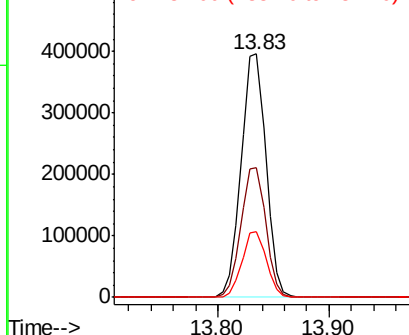


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.29 ug/l

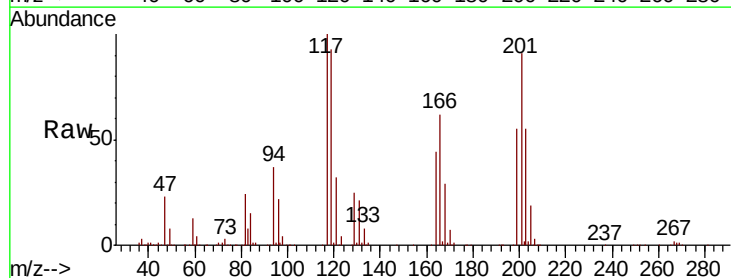
RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004787.D

Acq: 20 Aug 2018 13:37

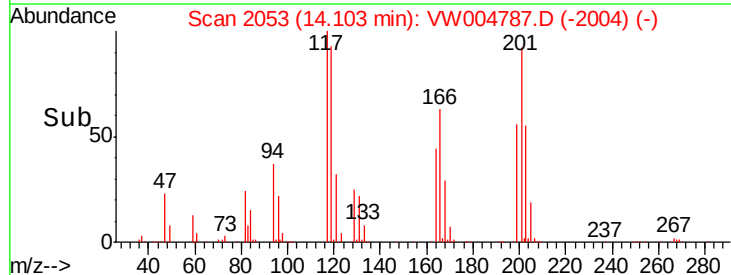
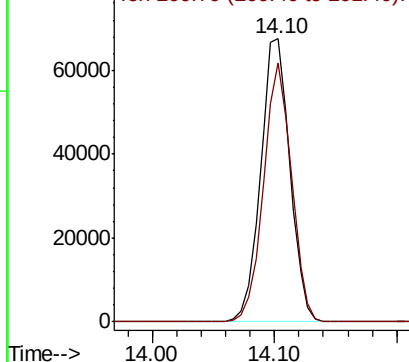
Tgt Ion:	117	Resp:	112909
Ion	Ratio	Lower	Upper
117	100		
201	86.8	42.4	127.2

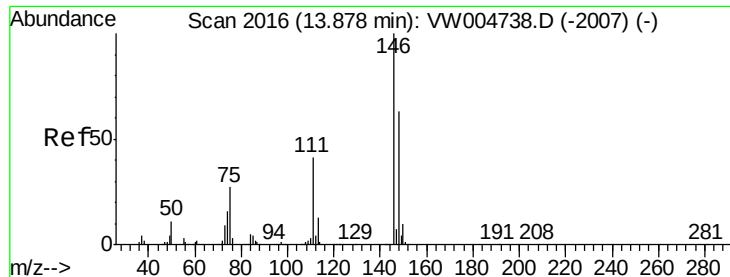


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





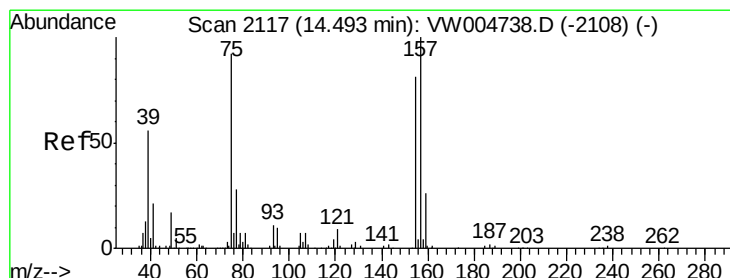
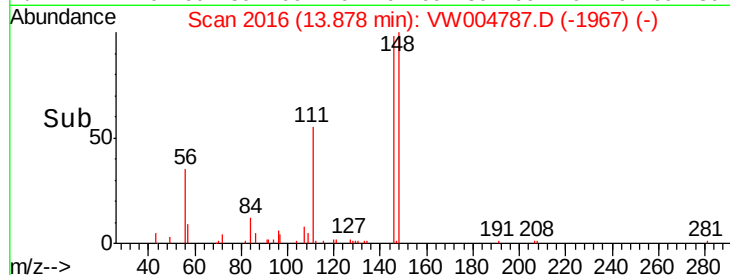
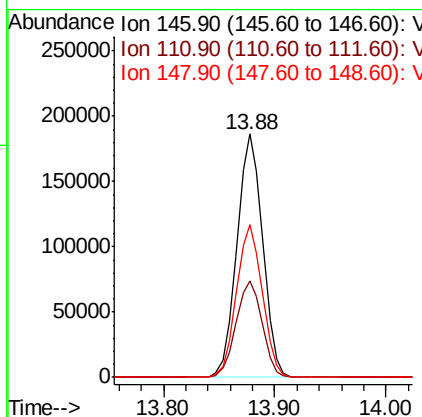
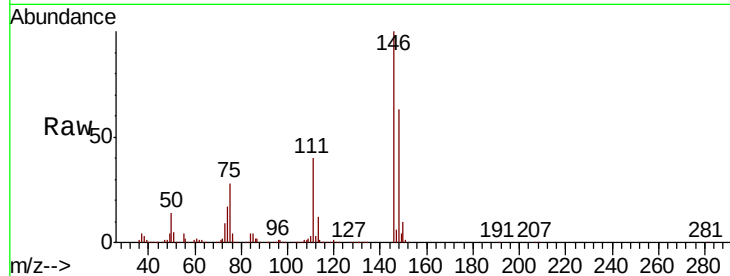
#91
 1,2-Dichlorobenzene
 Concen: 20.76 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	296838		
111	40.6	20.4	61.3	
148	63.0	31.6	95.0	

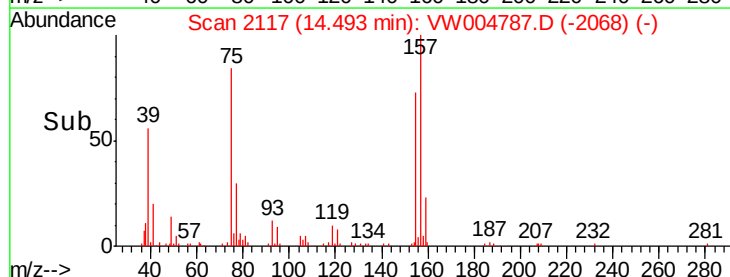
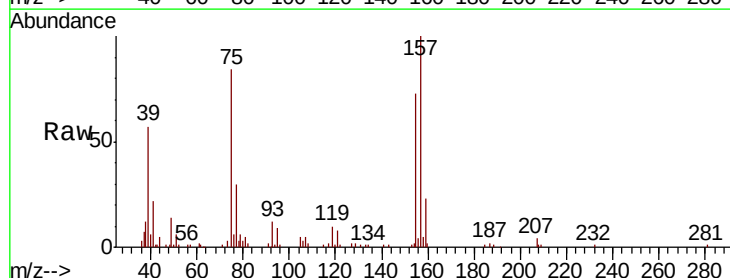
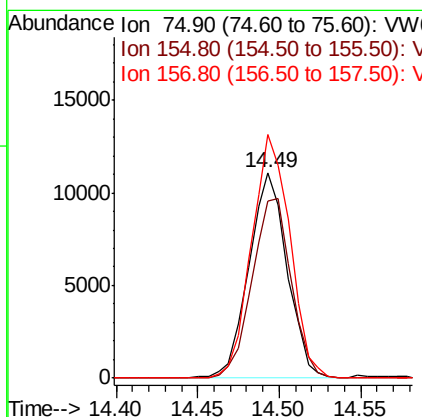
Manual Integrations
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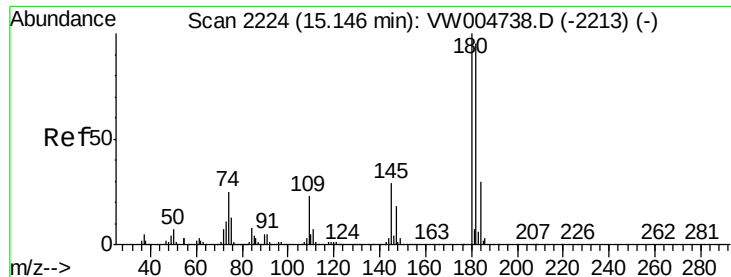
apatel
 8/21/2018 11:31:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.28 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18047		
155	89.6	43.3	129.9	
157	118.6	54.5	163.6	





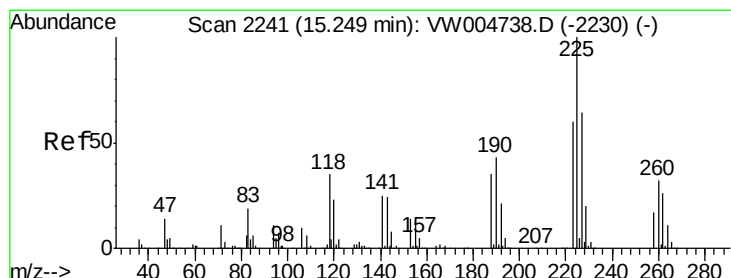
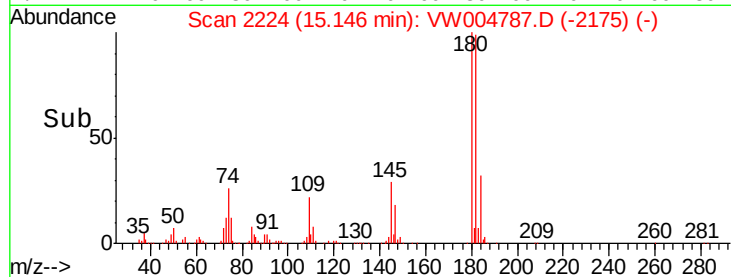
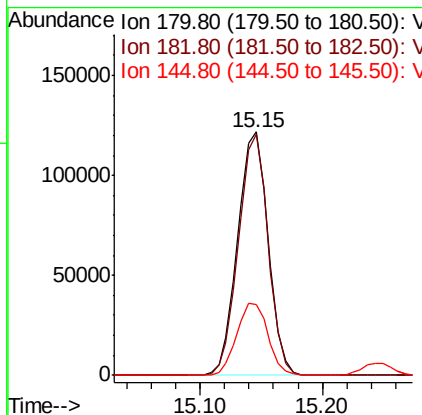
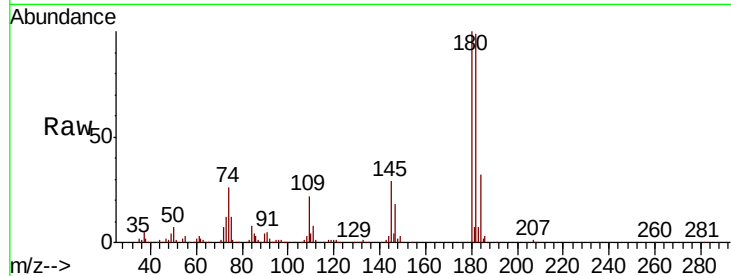
#93
 1,2,4-Trichlorobenzene
 Concen: 20.76 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209977		
182	96.3	47.3	141.8	
145	30.5	14.6	43.8	

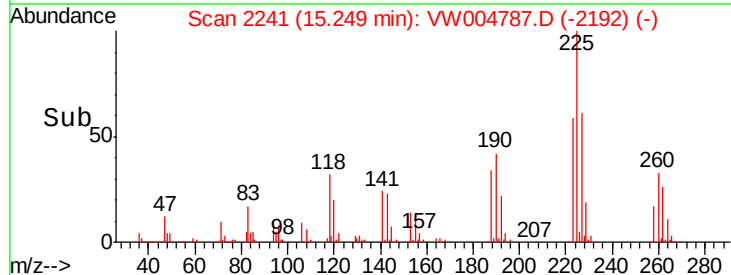
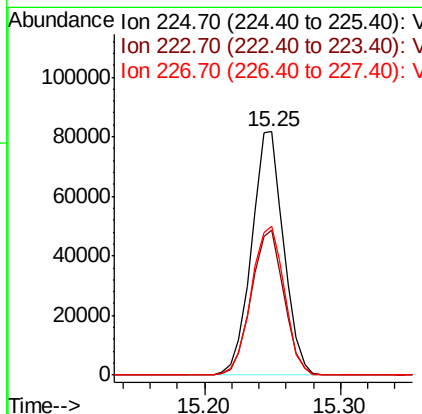
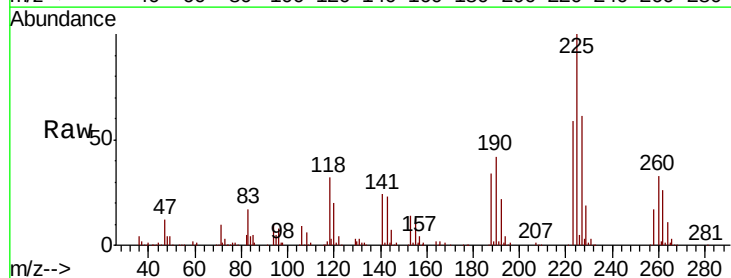
Manual Integrations
 APPROVED

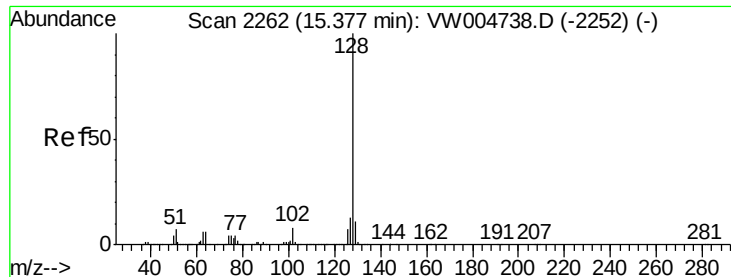
apatel
 8/21/2018 11:31:52 AM



#94
 Hexachlorobutadiene
 Concen: 21.76 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW004787.D
 Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	135115		
223	60.8	30.9	92.5	
227	63.2	32.0	96.0	





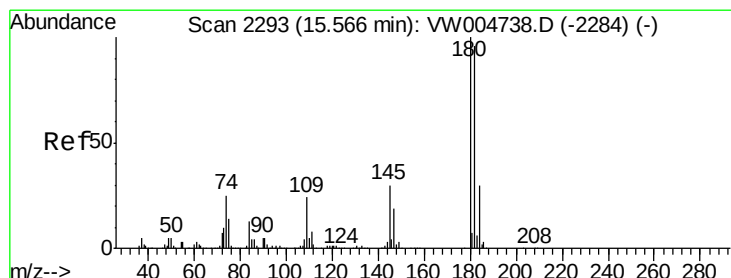
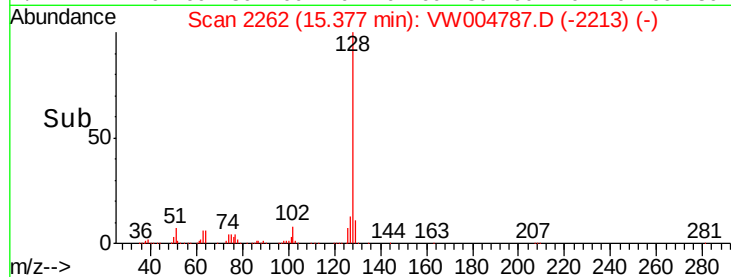
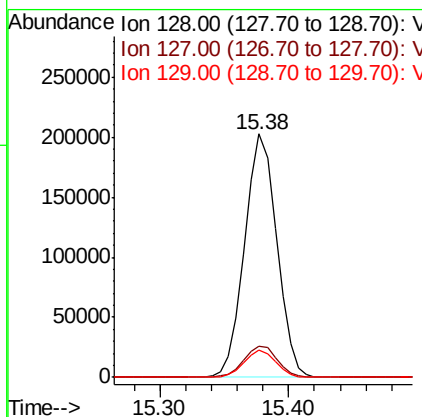
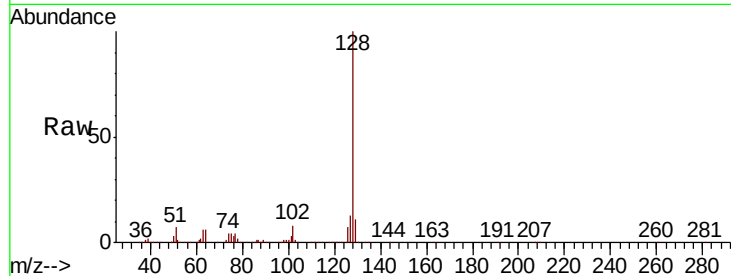
#95
Naphthalene
Concen: 20.13 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Instrument :
MSVOA_W
ClientSampled :
VW0820SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

apatel
8/21/2018 11:31:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.58 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004787.D
Acq: 20 Aug 2018 13:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	142.0
145	31.7	15.4	46.1

