

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021819\
 Data File : VW008723.D
 Acq On : 18 Feb 2019 12:52
 Operator : SY/VA
 Sample : VW0218SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 11:12:38 AM

Quant Time: Feb 19 03:41:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	360793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	535308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	247663	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	188078	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
35) Dibromofluoromethane	7.88	113	175450	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
50) Toluene-d8	10.32	98	673016	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	12.62	95	244147	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54372	23.529	ug/l	94
3) Chloromethane	2.21	50	64091	19.239	ug/l	95
4) Vinyl Chloride	2.36	62	87985	20.107	ug/l	97
5) Bromomethane	2.78	94	70643	20.402	ug/l	97
6) Chloroethane	2.92	64	66172	20.323	ug/l	95
7) Trichlorofluoromethane	3.25	101	65015	19.076	ug/l	95
8) Diethyl Ether	3.67	74	40994	20.156	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	78370	21.759	ug/l	95
10) Methyl Iodide	4.26	142	121752	21.658	ug/l	99
11) Tert butyl alcohol	5.18	59	28038	93.426	ug/l	95
12) 1,1-Dichloroethene	4.03	96	76363	21.680	ug/l	96
13) Acrolein	3.89	56	28079	90.811	ug/l	96
14) Allyl chloride	4.65	41	124940	21.350	ug/l	99
15) Acrylonitrile	5.36	53	81667	95.399	ug/l	98
16) Acetone	4.11	43	81780	95.812	ug/l	98
17) Carbon Disulfide	4.37	76	228612	21.507	ug/l	98
18) Methyl Acetate	4.67	43	35623	18.264	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	121077	19.581	ug/l	95
20) Methylene Chloride	4.90	84	83433	17.480	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	83061	21.533	ug/l	94
22) Diisopropyl ether	6.31	45	239958	20.373	ug/l	99
23) Vinyl Acetate	6.25	43	732184	95.782	ug/l	100
24) 1,1-Dichloroethane	6.21	63	144971	21.330	ug/l	99
25) 2-Butanone	7.17	43	109681	91.002	ug/l	97
26) 2,2-Dichloropropane	7.16	77	98380	23.171	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	86812	20.813	ug/l	97
28) Bromochloromethane	7.51	49	58040	20.229	ug/l	98
29) Tetrahydrofuran	7.52	42	69644	87.668	ug/l	97
30) Chloroform	7.67	83	147004	21.586	ug/l	94
31) Cyclohexane	7.95	56	145161	21.161	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	129802	22.568	ug/l	98
36) 1,1-Dichloropropene	8.07	75	122562	22.789	ug/l	99
37) Ethyl Acetate	7.24	43	49824	19.205	ug/l	99
38) Carbon Tetrachloride	8.06	117	123152	23.028	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	150490	22.123	ug/l	99
40) Benzene	8.32	78	326722	22.244	ug/l	98
41) Methacrylonitrile	7.48	41	26264	17.993	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	98799	21.685	ug/l	98
43) Isopropyl Acetate	8.42	43	95898	18.538	ug/l	96
44) Trichloroethene	9.09	130	91453	22.456	ug/l	94
45) 1,2-Dichloropropane	9.37	63	78526	21.602	ug/l	95
46) Dibromomethane	9.46	93	40762	20.356	ug/l	95
47) Bromodichloromethane	9.64	83	105108	21.841	ug/l	95
48) Methyl methacrylate	9.43	41	47547	19.833	ug/l	96
49) 1,4-Dioxane	9.45	88	13476	421.609	ug/l #	94
51) 4-Methyl-2-Pentanone	10.21	43	241726	90.965	ug/l	99
52) Toluene	10.38	92	207725	21.922	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	103310	20.435	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	120083	20.953	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	55476	20.191	ug/l	97
56) Ethyl methacrylate	10.65	69	68460	18.765	ug/l	100
57) 1,3-Dichloropropane	10.93	76	99425	20.395	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	183747	104.989	ug/l	98
59) 2-Hexanone	10.97	43	168668	90.352	ug/l	98
60) Dibromochloromethane	11.13	129	68528	20.845	ug/l	100
61) 1,2-Dibromoethane	11.24	107	55557	20.537	ug/l	99
64) Tetrachloroethene	10.86	164	78598	22.543	ug/l	97
65) Chlorobenzene	11.66	112	226818	22.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	80364	22.449	ug/l	99
67) Ethyl Benzene	11.73	91	400894	22.271	ug/l	96
68) m/p-Xylenes	11.84	106	312265	44.584	ug/l	98
69) o-Xylene	12.16	106	145481	21.974	ug/l	99
70) Styrene	12.18	104	229763	21.248	ug/l	99
71) Bromoform	12.35	173	40595	21.046	ug/l #	99
73) Isopropylbenzene	12.46	105	408467	22.142	ug/l	99
74) N-amyl acetate	12.27	43	92715	18.585	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	64849	20.204	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	47681m	19.497	ug/l	
77) Bromobenzene	12.75	156	93632	22.080	ug/l	96
78) n-propylbenzene	12.80	91	492454	22.467	ug/l	99
79) 2-Chlorotoluene	12.90	91	271569	21.922	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	344295	22.469	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18070	17.990	ug/l	91
82) 4-Chlorotoluene	12.99	91	283380	21.585	ug/l	99
83) tert-Butylbenzene	13.21	119	299883	22.539	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	345777	21.955	ug/l	99
85) sec-Butylbenzene	13.39	105	433177	22.359	ug/l	100
86) p-Isopropyltoluene	13.50	119	382455	22.067	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	189667	22.063	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	187306	22.108	ug/l	99
89) n-Butylbenzene	13.83	91	367541	22.316	ug/l	99
90) Hexachloroethane	14.10	117	70190	23.181	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	166596	21.873	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10801	19.365	ug/l	95

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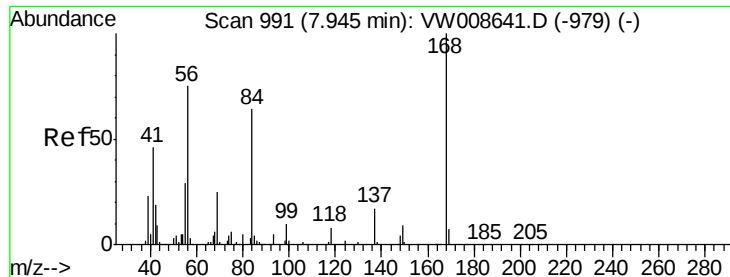
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Thu Feb 14 04:06:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	121101	22.336	ug/l	100
94) Hexachlorobutadiene	15.24	225	76644	24.286	ug/l	98
95) Naphthalene	15.37	128	196677	20.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	102229	21.973	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion:168 Resp: 360793

Ion Ratio Lower Upper

168 100

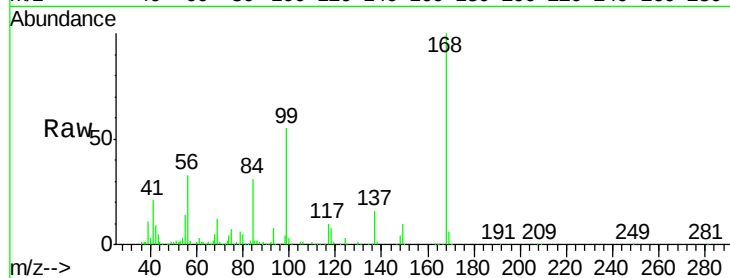
99 54.5 42.8 64.2

Manual Integrations

APPROVED

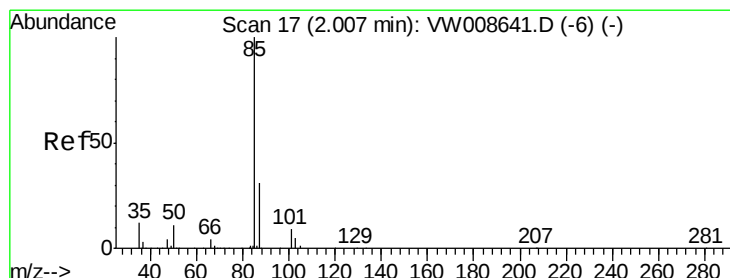
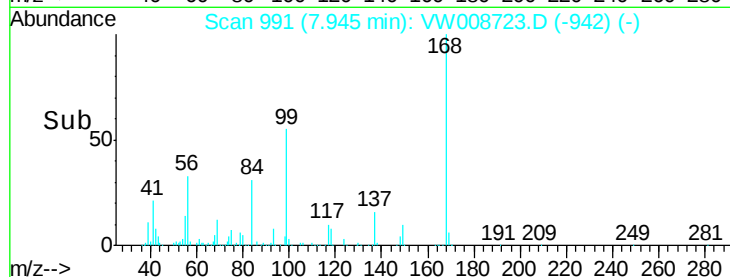
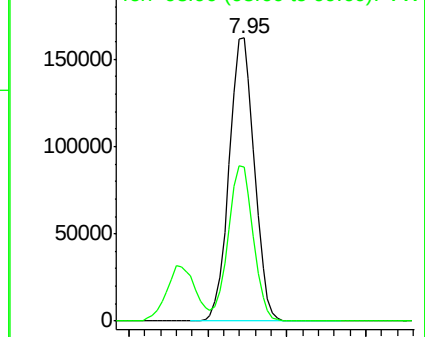
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.529 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008723.D

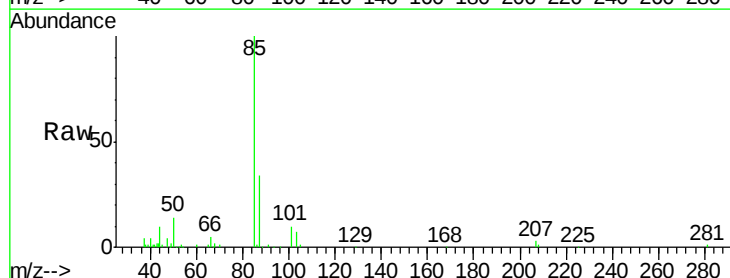
Acq: 18 Feb 2019 12:52

Tgt Ion: 85 Resp: 54372

Ion Ratio Lower Upper

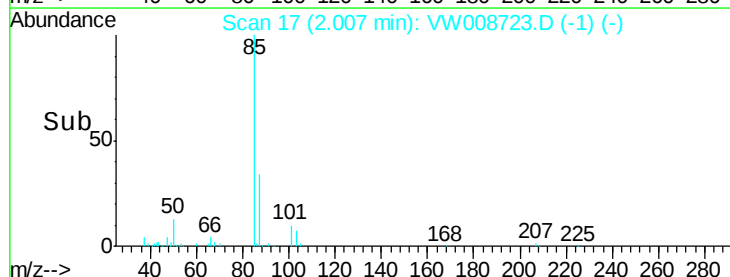
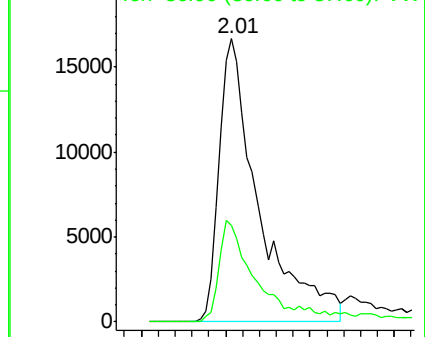
85 100

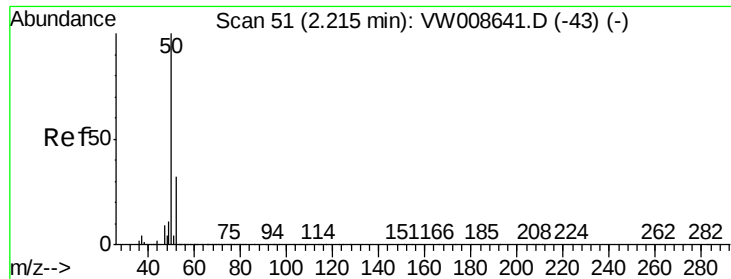
87 34.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.239 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 50 Resp: 64091

Ion Ratio Lower Upper

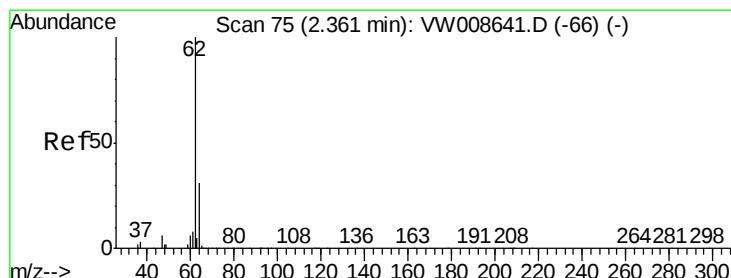
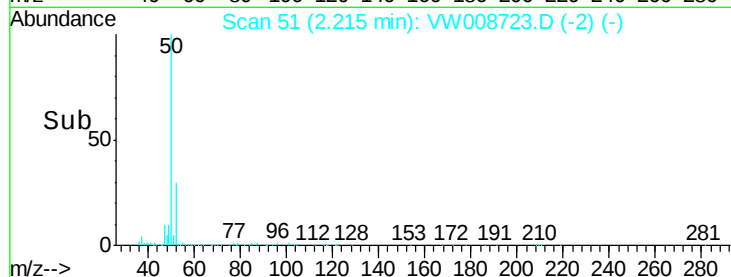
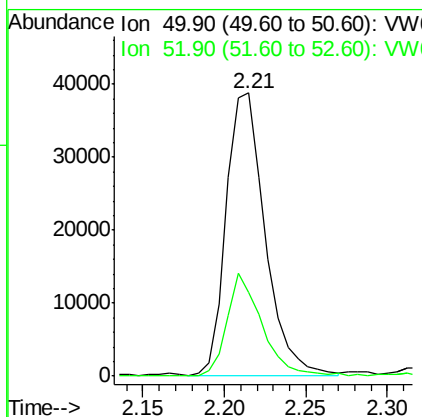
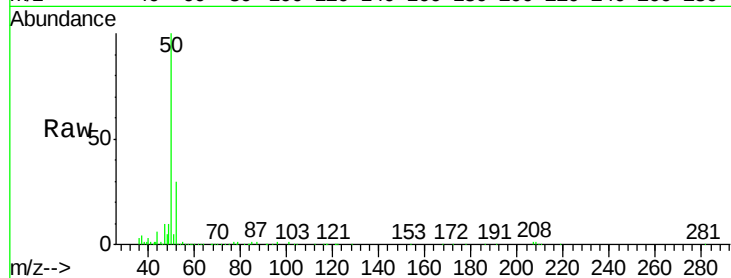
50 100

52 29.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 20.107 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW008723.D

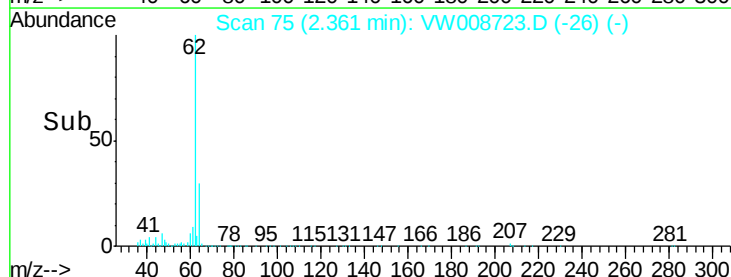
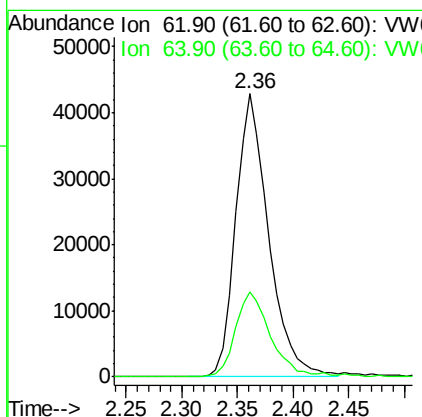
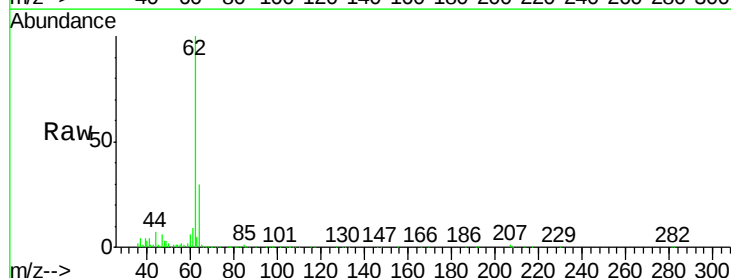
Acq: 18 Feb 2019 12:52

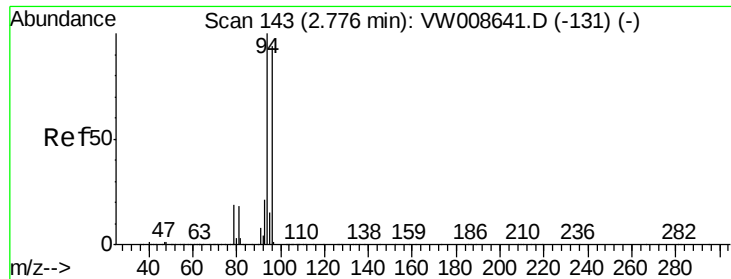
Tgt Ion: 62 Resp: 87985

Ion Ratio Lower Upper

62 100

64 29.8 25.1 37.7





#5

Bromomethane

Concen: 20.402 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 94 Resp: 70643

Ion Ratio Lower Upper

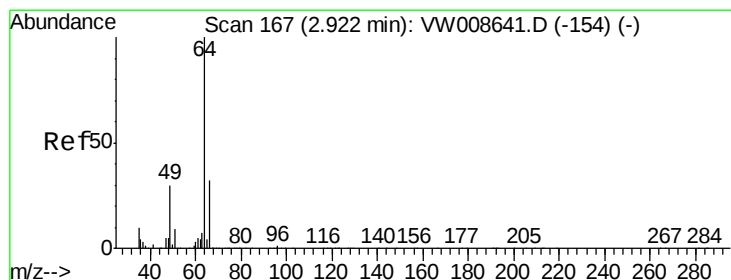
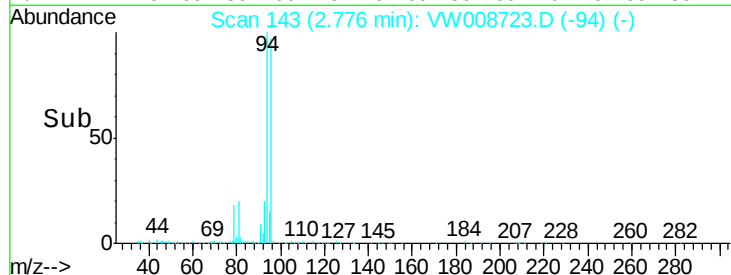
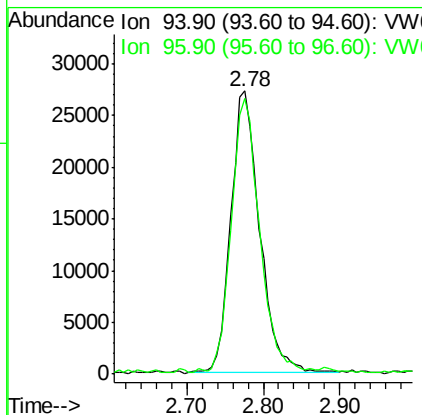
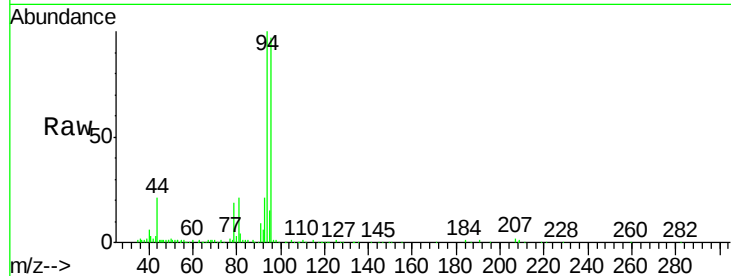
94 100

96 97.5 75.5 113.3

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#6

Chloroethane

Concen: 20.323 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW008723.D

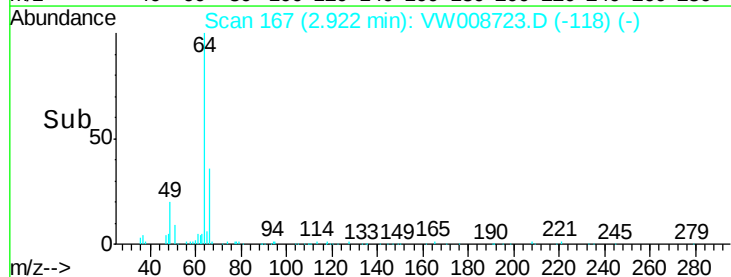
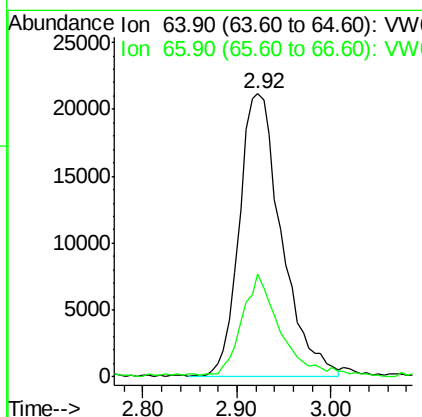
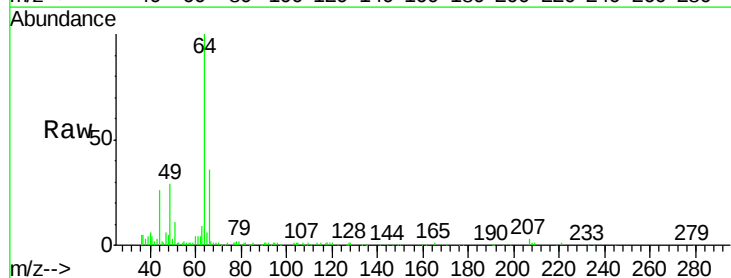
Acq: 18 Feb 2019 12:52

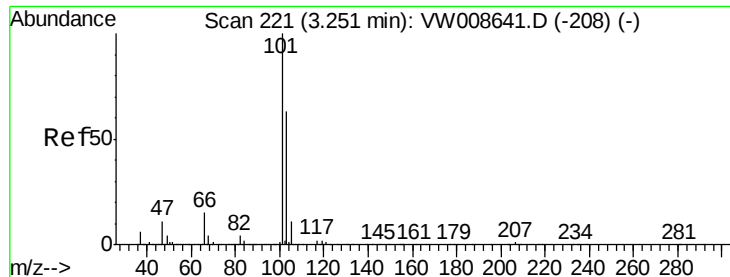
Tgt Ion: 64 Resp: 66172

Ion Ratio Lower Upper

64 100

66 35.4 26.2 39.4





#7

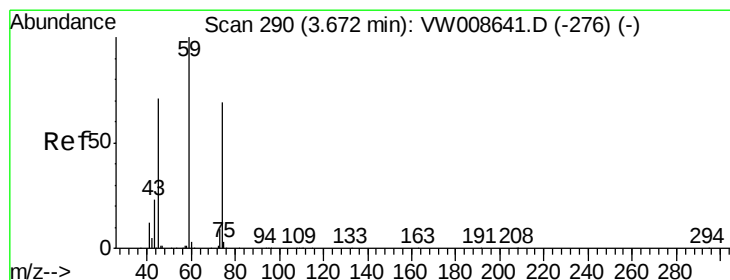
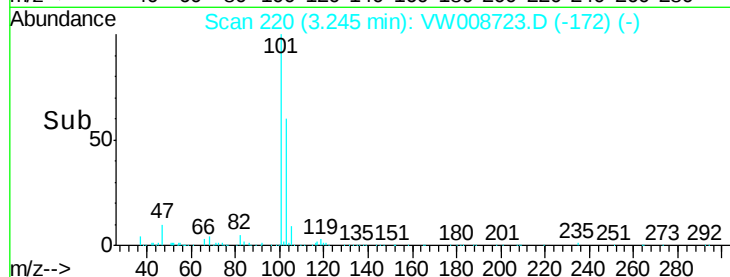
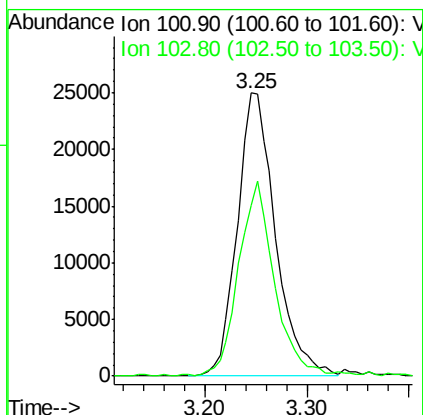
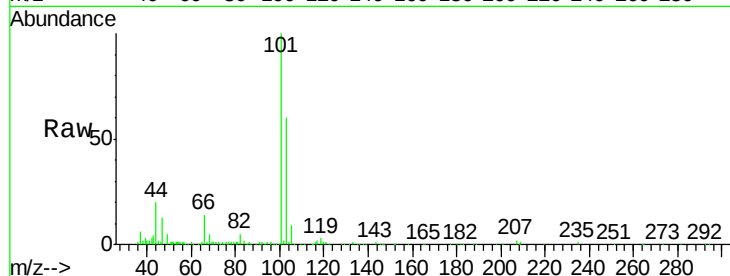
Trichlorofluoromethane
Concen: 19.076 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
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ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	50.5	75.7

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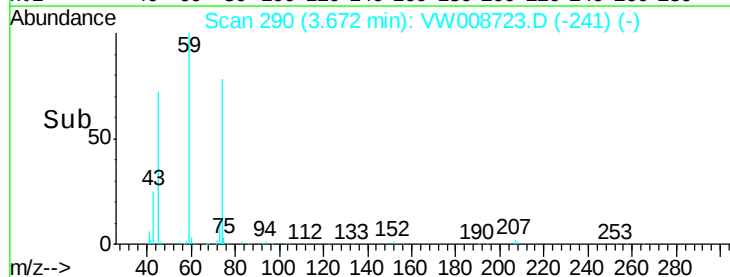
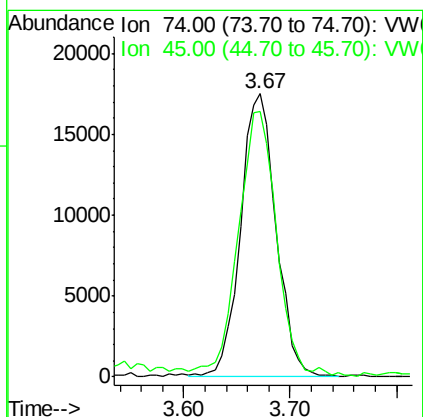
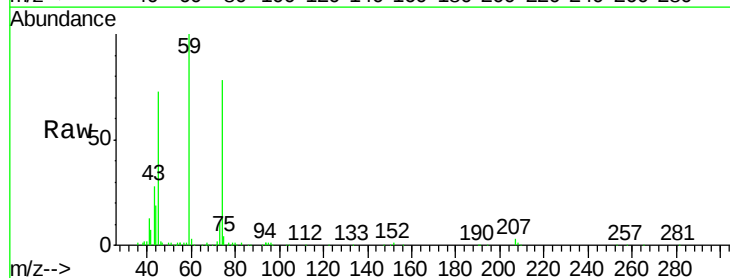
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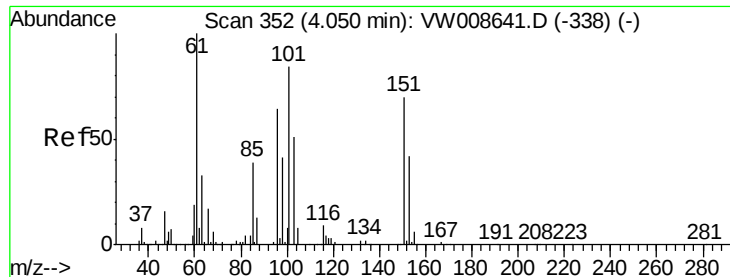


#8

Diethyl Ether
Concen: 20.156 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.2	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.759 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

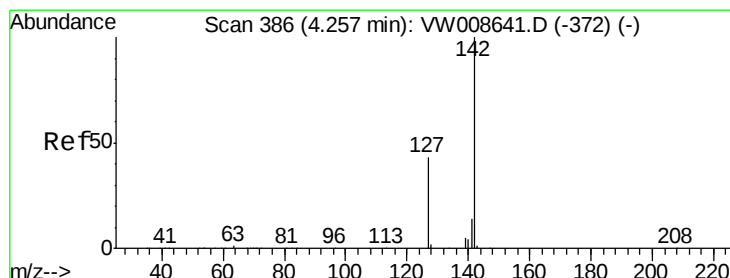
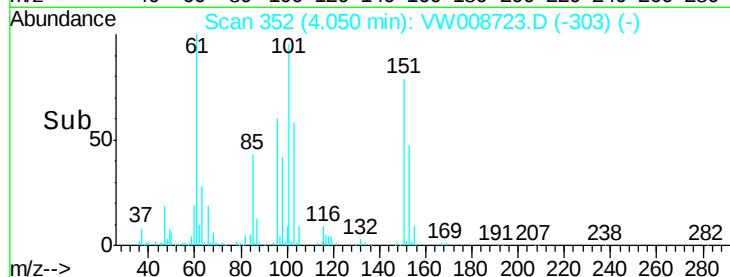
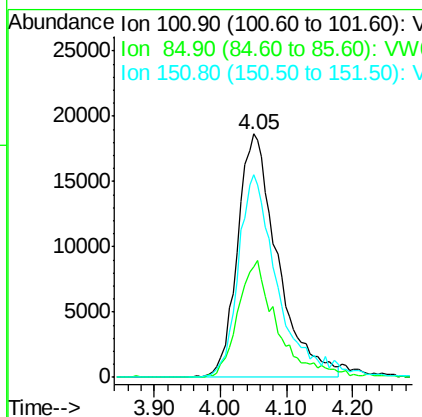
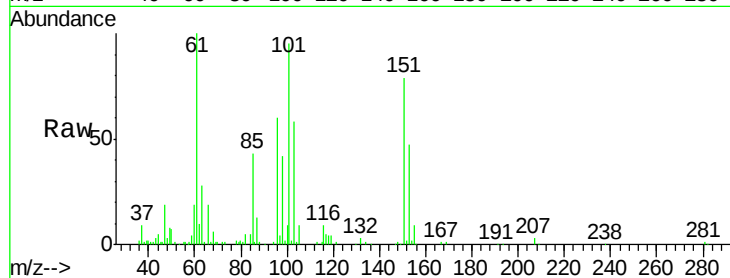
ClientSampleId :

VW0218SBS01

Tot Ion:	101	Resp:	78370
Ion Ratio	Lower	Upper	
101	100		
85	46.9	34.3	51.5
151	78.2	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 21.658 ug/l

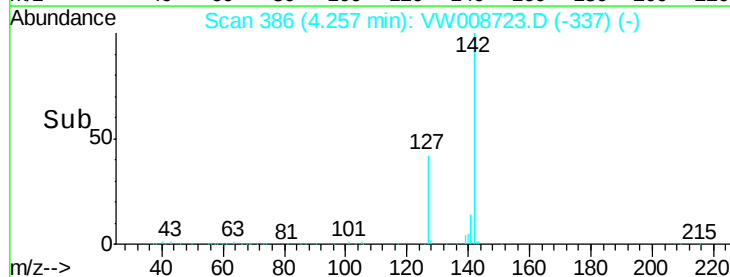
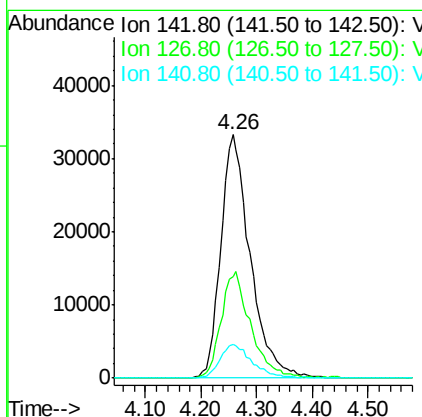
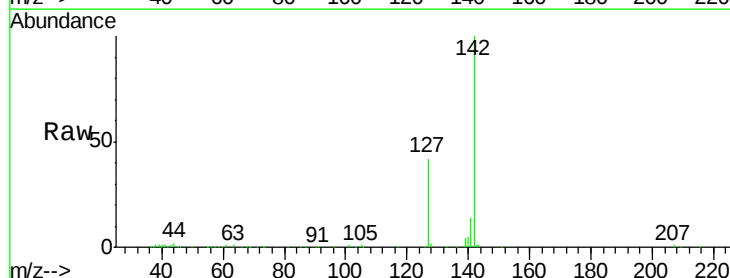
RT: 4.26 min Scan# 386

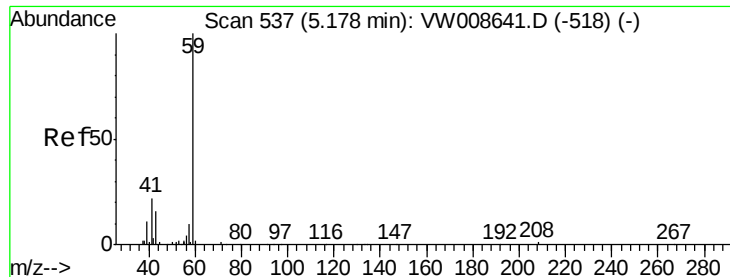
Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	142	Resp:	121752
Ion Ratio	Lower	Upper	
142	100		
127	43.9	34.8	52.2
141	15.0	11.8	17.8





#11

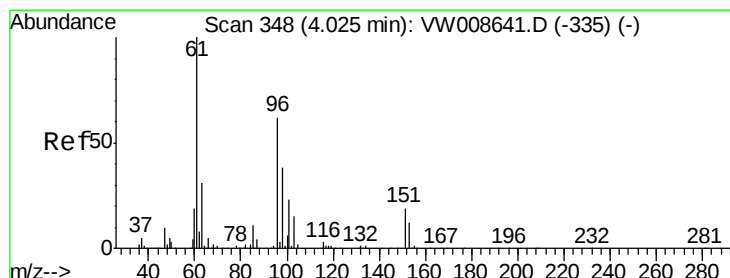
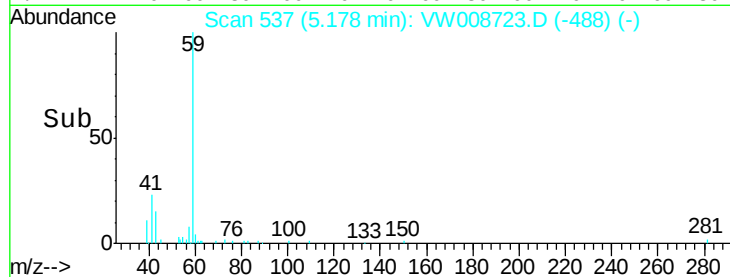
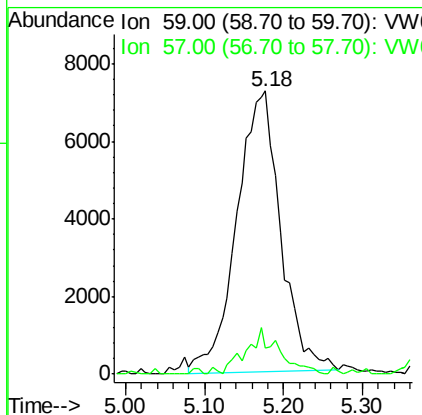
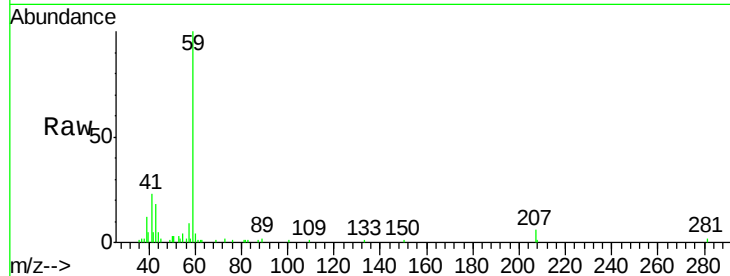
Tert butyl alcohol
 Concen: 93.426 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	8.3	12.5

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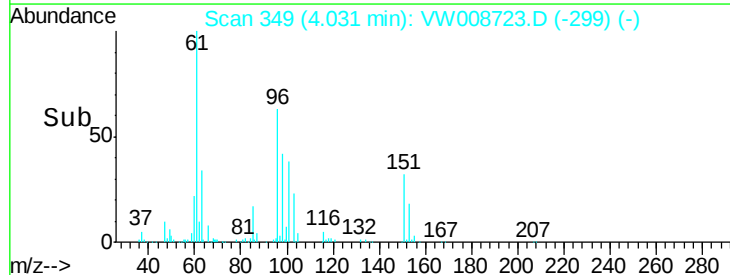
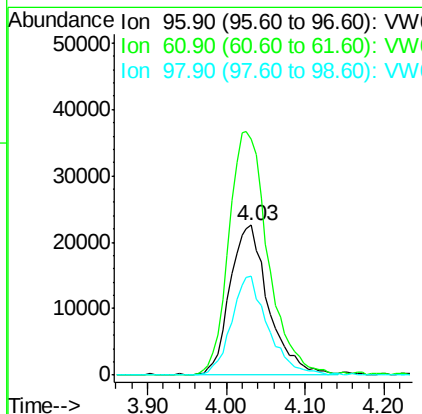
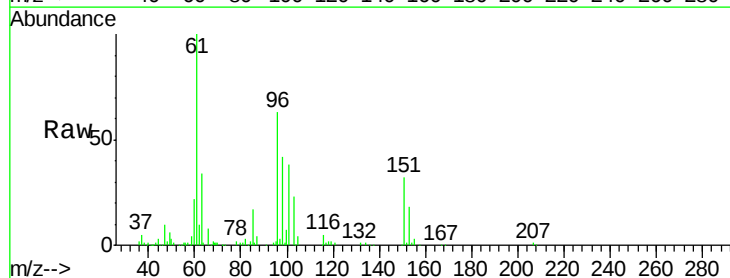
MMDadoda
 2/19/2019 11:12:38 AM

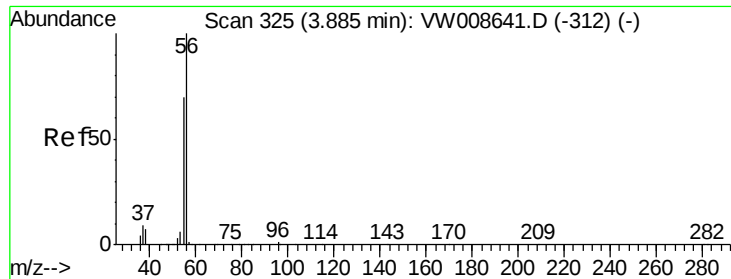


#12

1,1-Dichloroethene
 Concen: 21.680 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.01 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.8	129.8	194.6
98	66.0	49.3	73.9





#13

Acrolein

Concen: 90.811 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 56 Resp: 28079

Ion Ratio Lower Upper

56 100

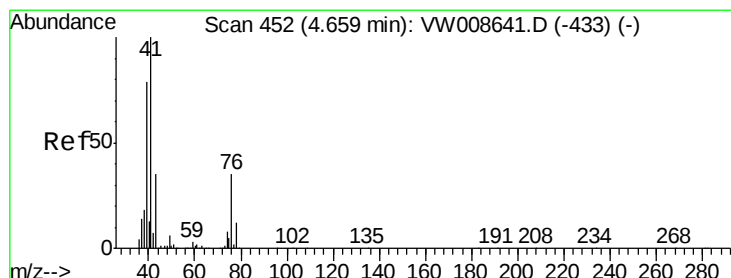
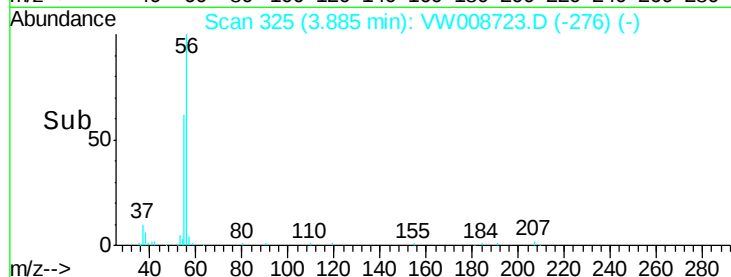
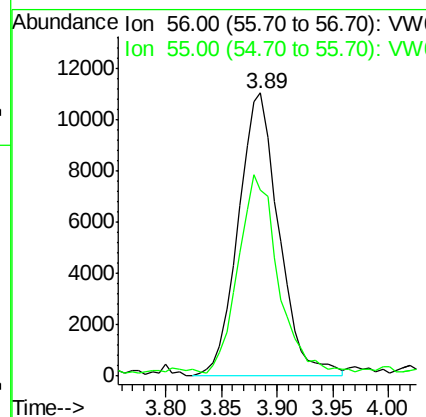
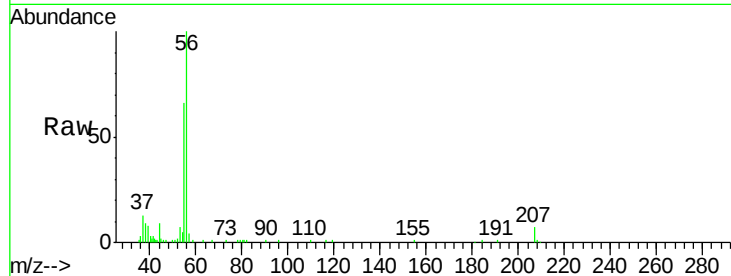
55 68.7 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.350 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

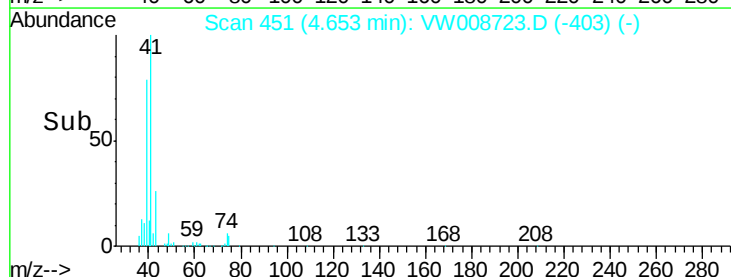
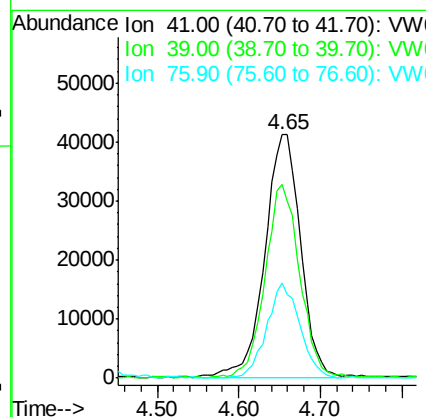
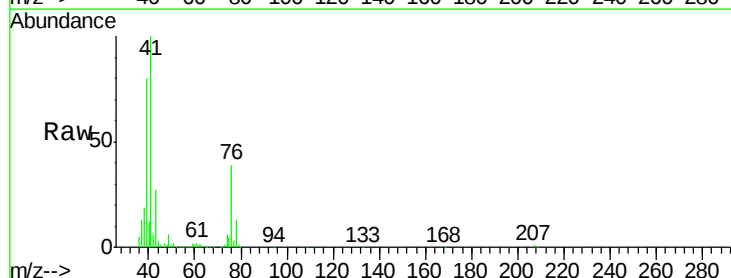
Tgt Ion: 41 Resp: 124940

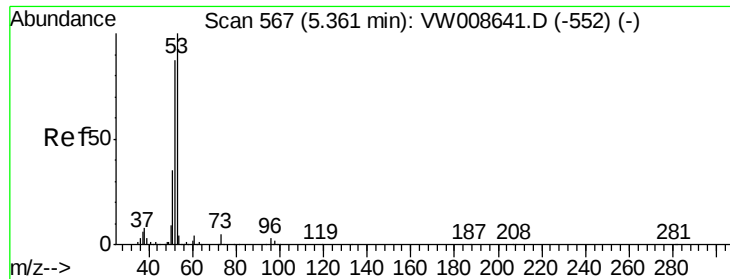
Ion Ratio Lower Upper

41 100

39 76.6 61.7 92.5

76 36.6 27.7 41.5





#15

Acrylonitrile

Concen: 95.399 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

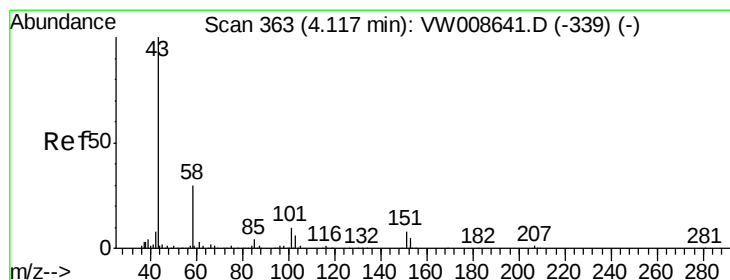
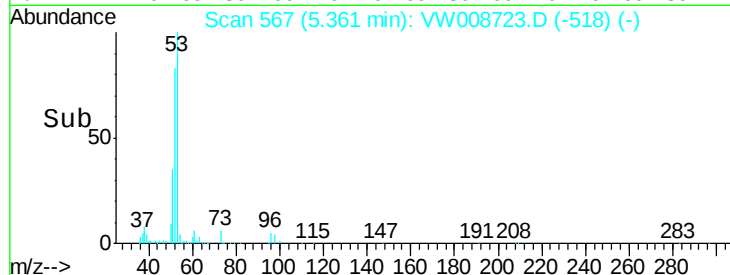
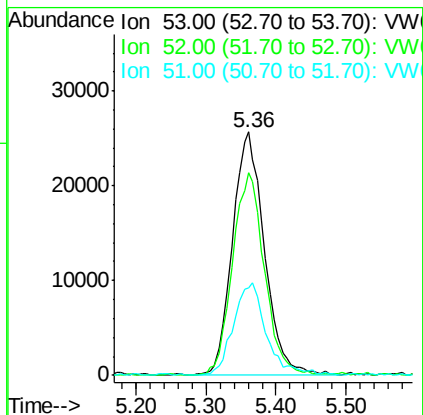
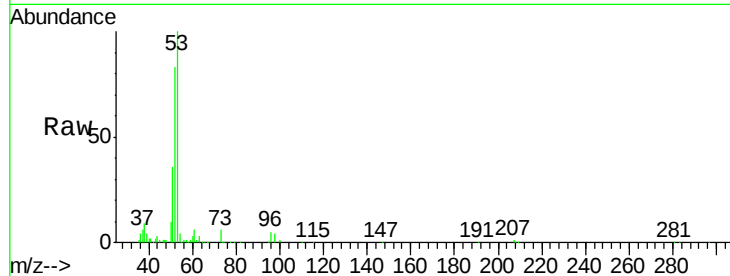
ClientSampleId :

VW0218SBS01

Tot Ion:	53	Resp:	81667
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.8	100.2
51	39.0	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 95.812 ug/l

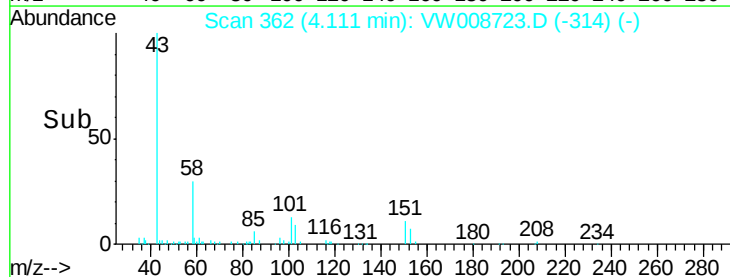
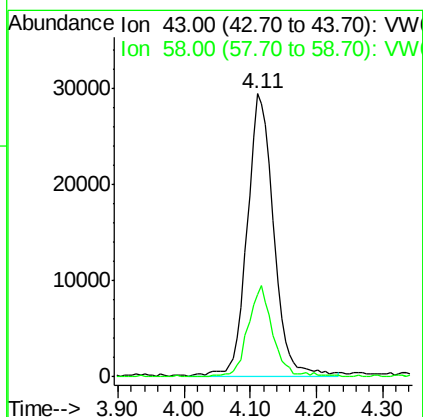
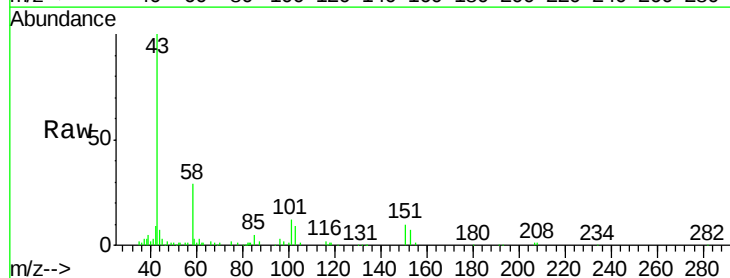
RT: 4.11 min Scan# 362

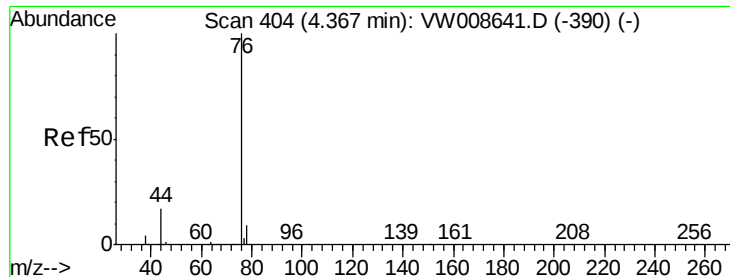
Delta R.T. -0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	43	Resp:	81780
Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.1	36.1





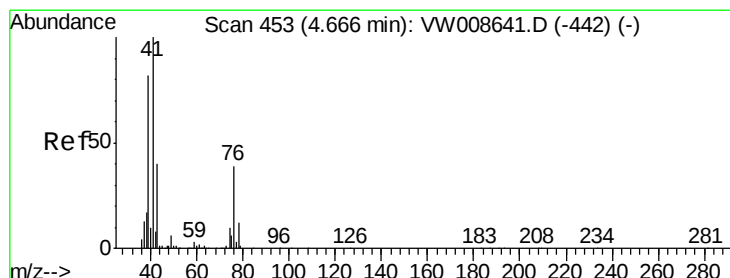
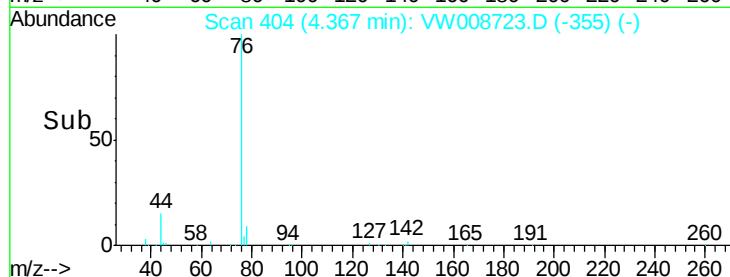
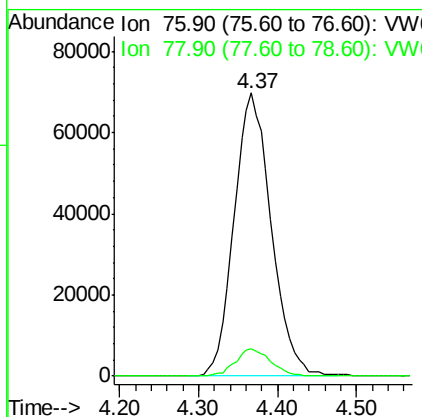
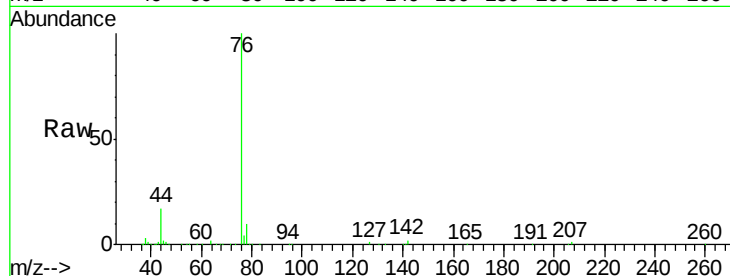
#17
Carbon Disulfide
Concen: 21.507 ug/l
RT: 4.37 min Scan# 404
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

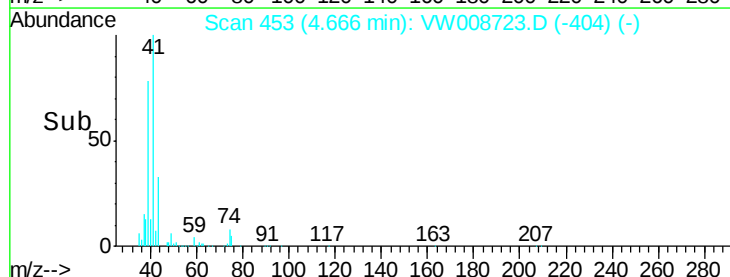
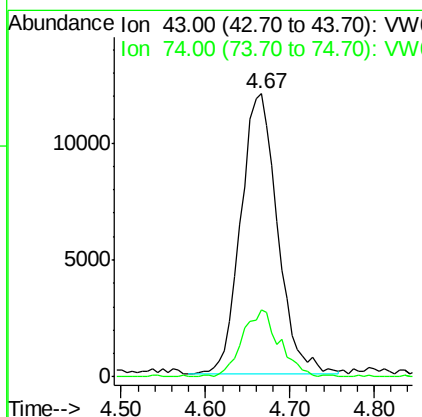
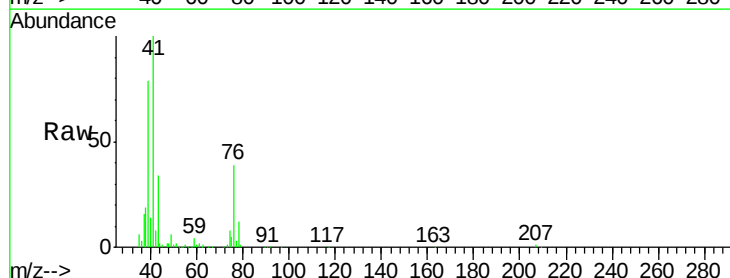
Manual Integrations
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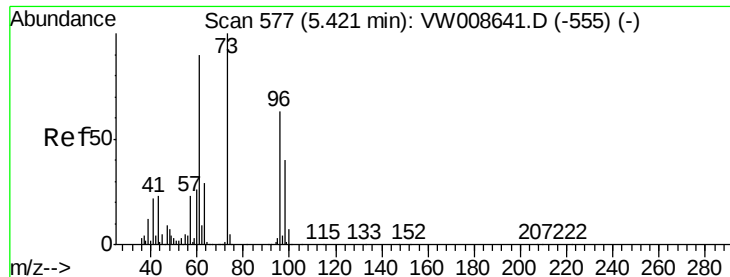
MMDadoda
2/19/2019 11:12:38 AM



#18
Methyl Acetate
Concen: 18.264 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.0	28.4





#19

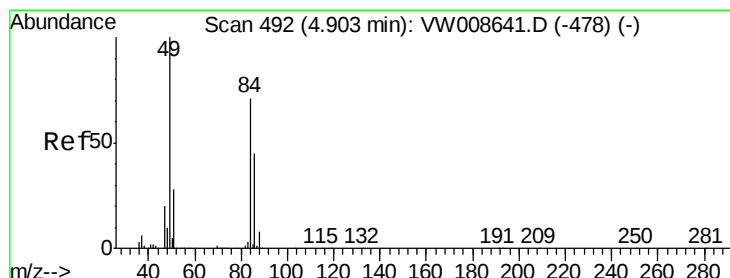
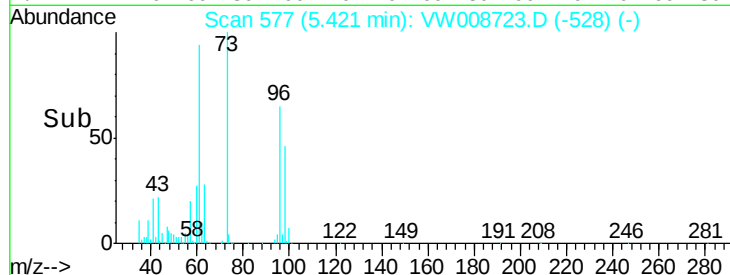
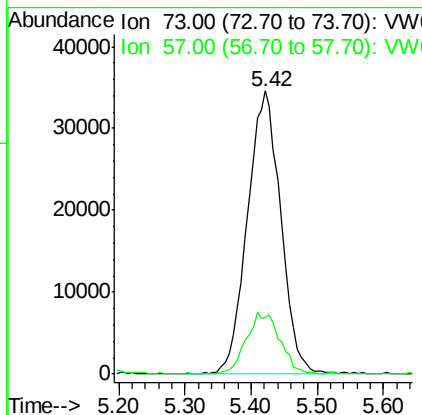
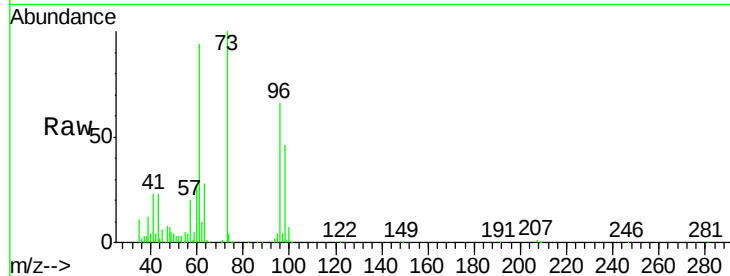
Methyl tert-butyl Ether
 Concen: 19.581 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	18.2	27.2

Manual Integrations
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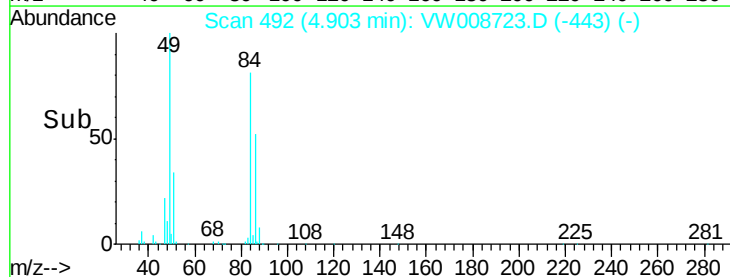
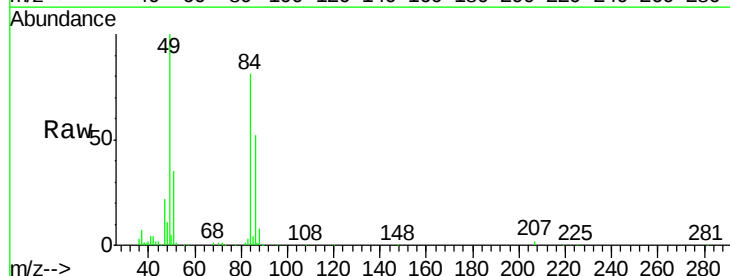
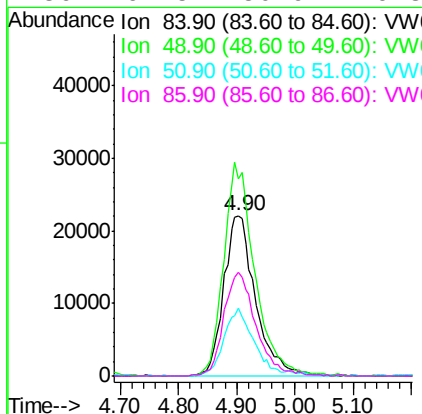
MMDadoda
 2/19/2019 11:12:38 AM

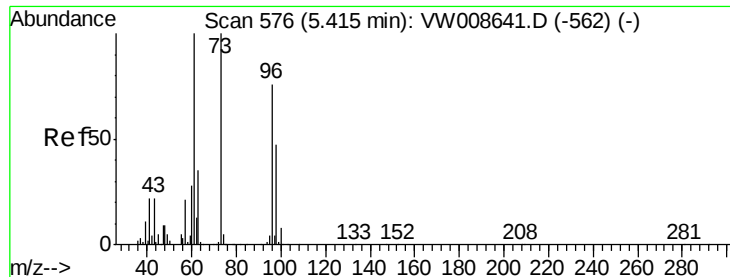


#20

Methylene Chloride
 Concen: 17.480 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. 0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.8	113.3	169.9
51	42.5	32.1	48.1
86	64.5	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 21.533 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

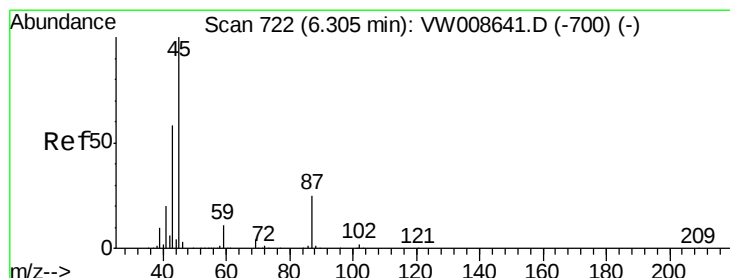
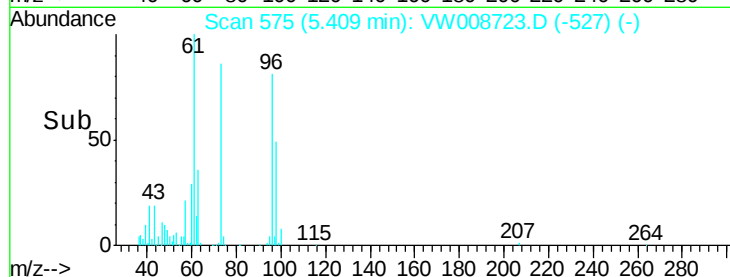
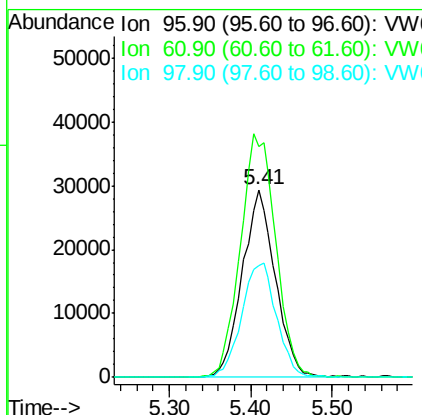
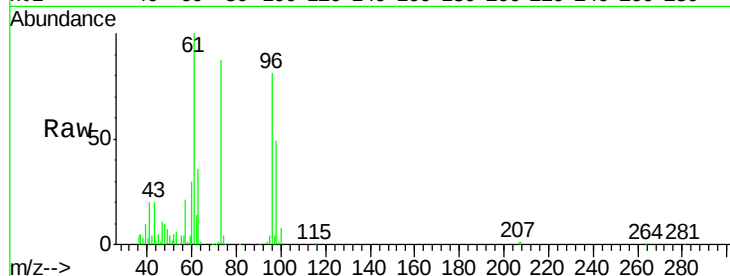
ClientSampleId :

VW0218SBS01

Tot Ion:	96	Resp:	83061
Ion	Ratio	Lower	Upper
96	100		
61	122.9	105.9	158.9
98	59.9	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.373 ug/l

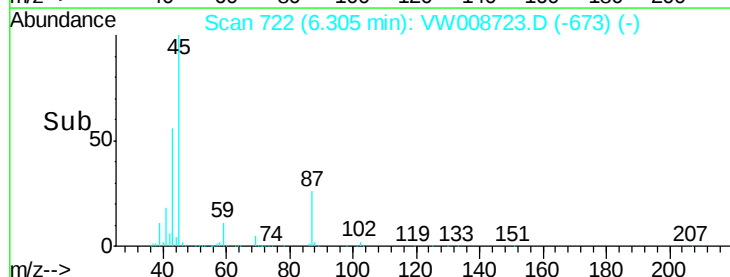
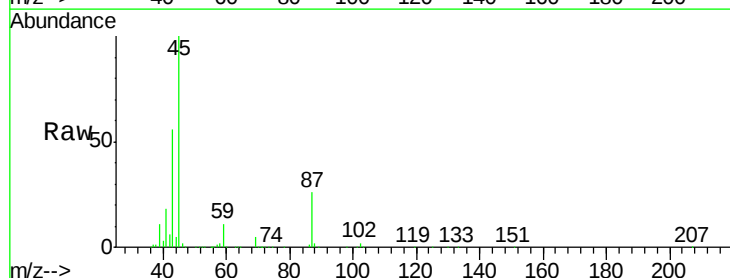
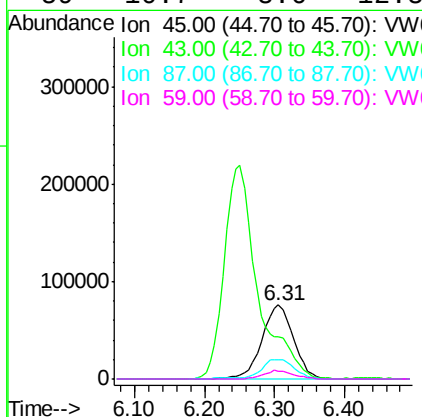
RT: 6.31 min Scan# 722

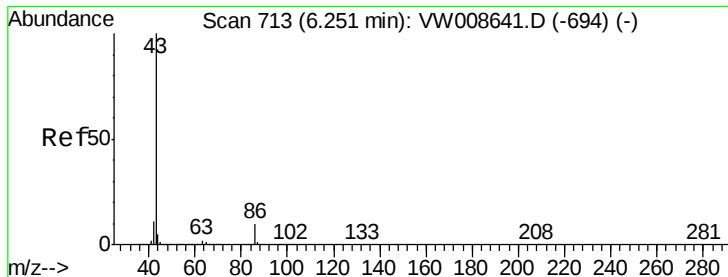
Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	45	Resp:	239958
Ion	Ratio	Lower	Upper
45	100		
43	56.4	46.1	69.1
87	25.5	20.5	30.7
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 95.782 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 43 Resp: 732184

Ion Ratio Lower Upper

43 100

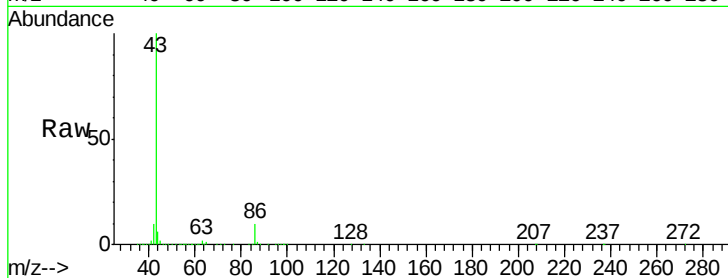
86 9.8 7.9 11.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

250000

200000

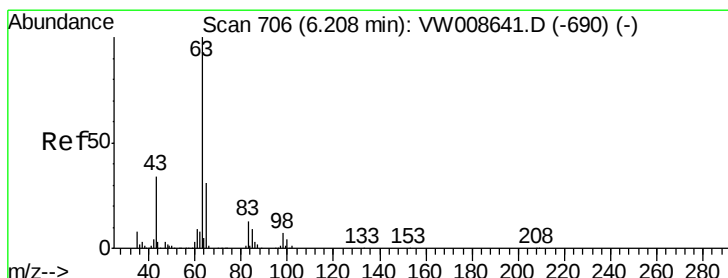
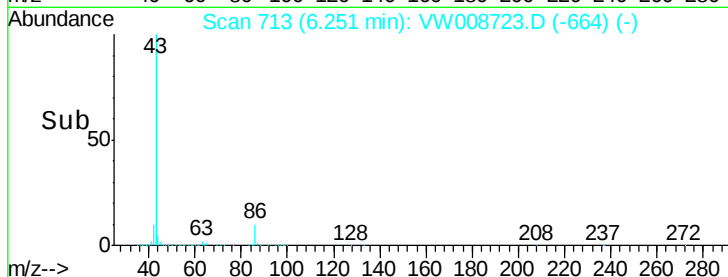
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.330 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

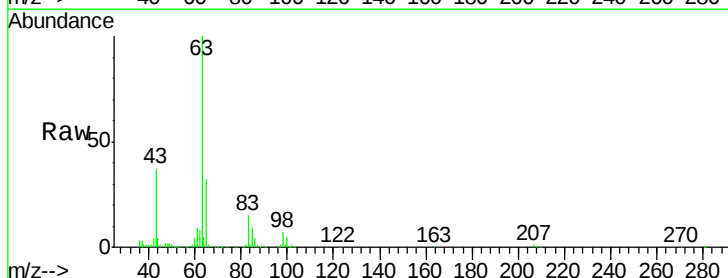
Tgt Ion: 63 Resp: 144971

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 5.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

60000

50000

40000

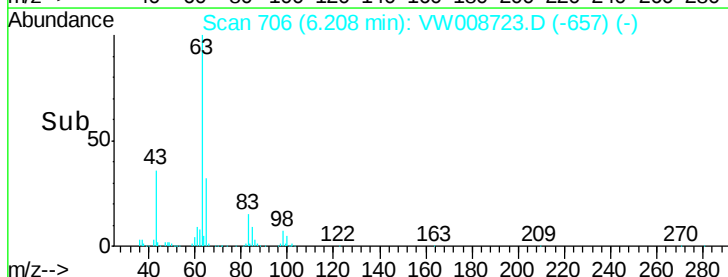
30000

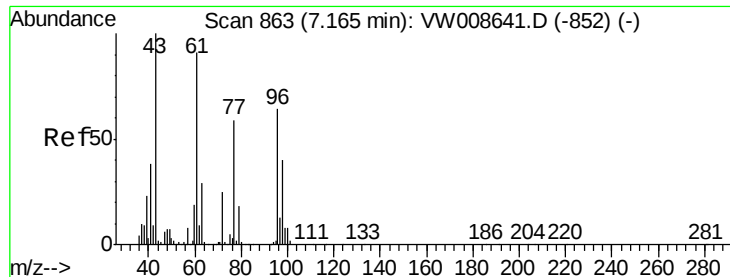
20000

10000

0

Time-->





#25

2-Butanone

Concen: 91.002 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 43 Resp: 109681

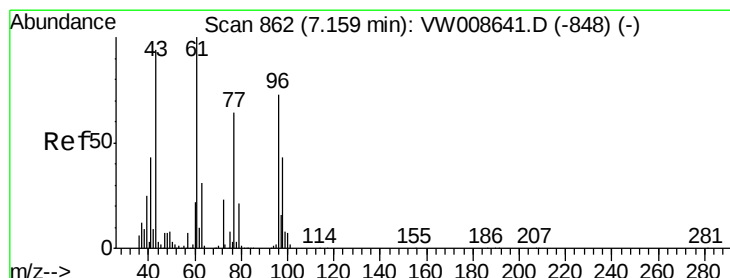
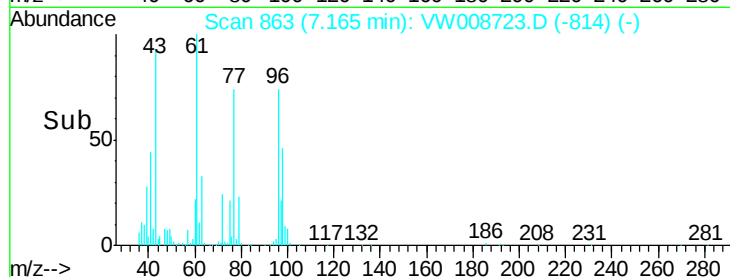
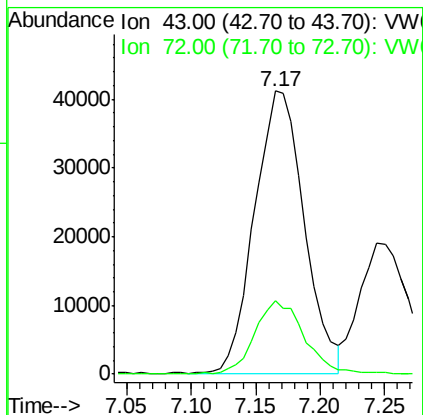
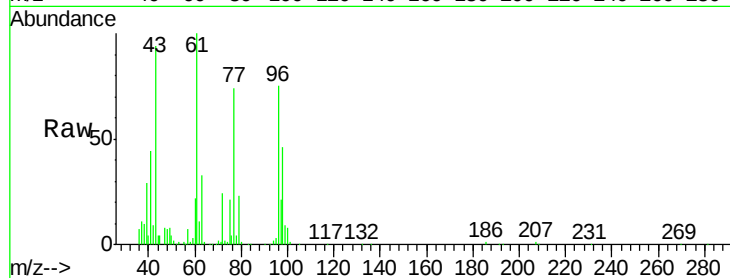
Ion Ratio Lower Upper

43 100

72 26.2 19.7 29.5

Manual Integrations
APPROVED

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2/19/2019 11:12:38 AM



#26

2,2-Dichloropropane

Concen: 23.171 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008723.D

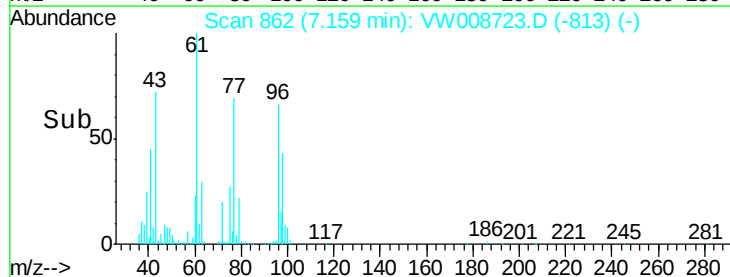
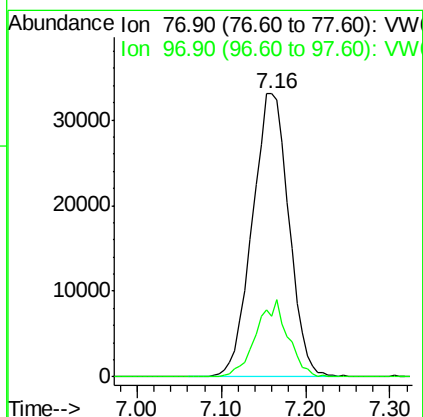
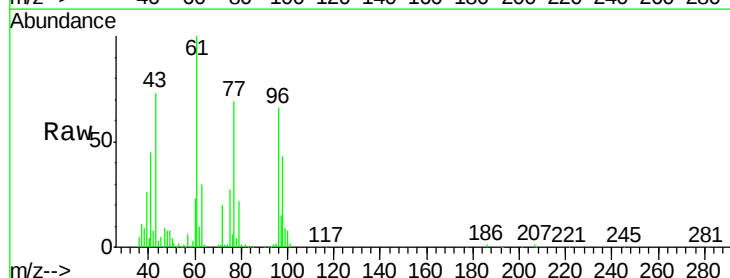
Acq: 18 Feb 2019 12:52

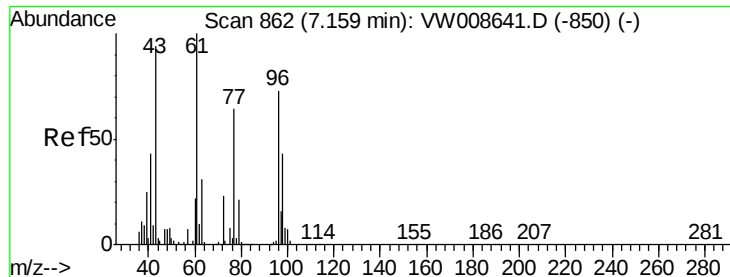
Tgt Ion: 77 Resp: 98380

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

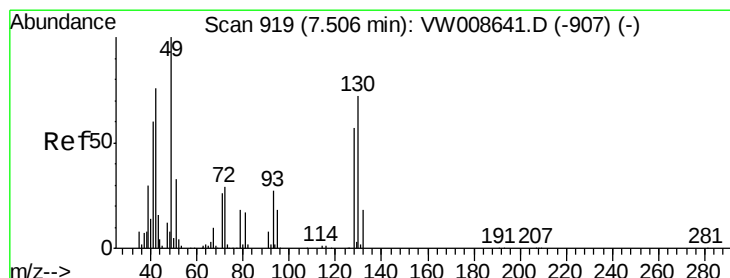
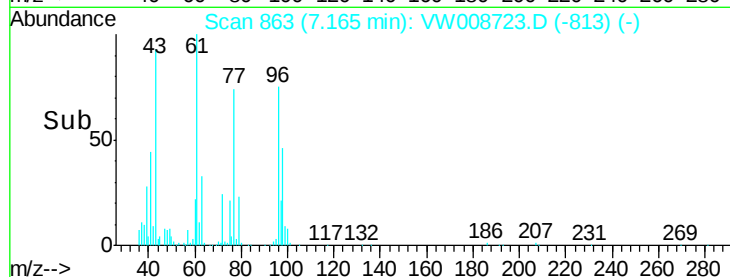
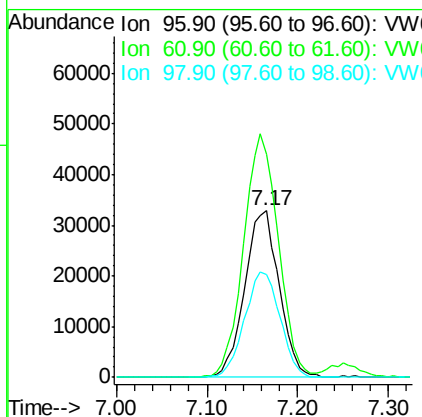
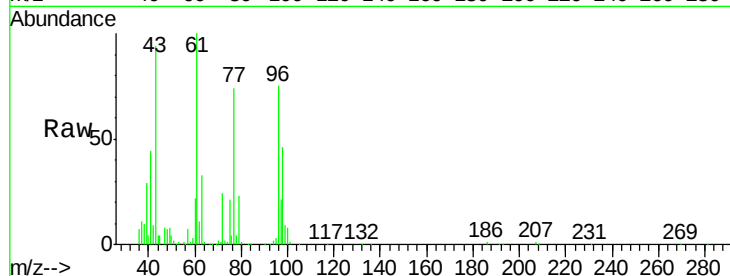
cis-1,2-Dichloroethene
Concen: 20.813 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.7	0.0	286.4	
98	65.0	0.0	125.0	

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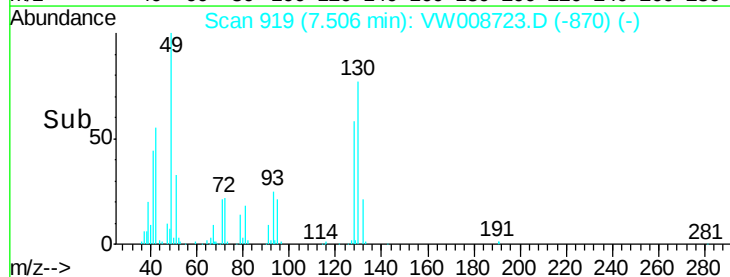
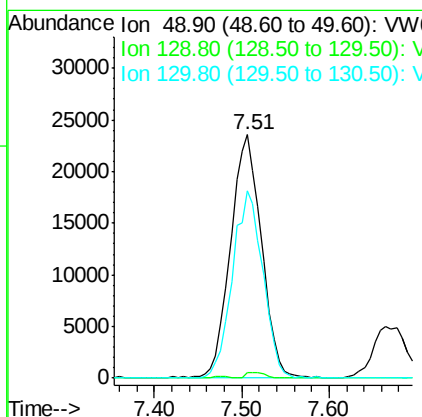
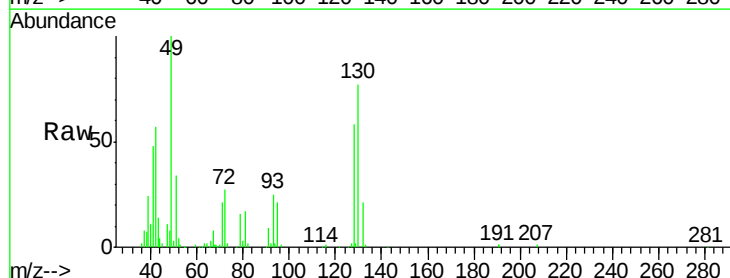
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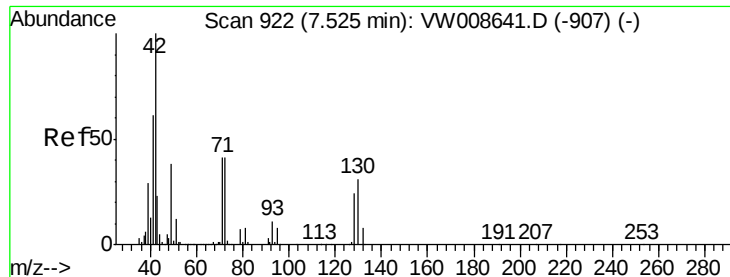


#28

Bromochloromethane
Concen: 20.229 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.2	
130	75.6	59.4	89.0	





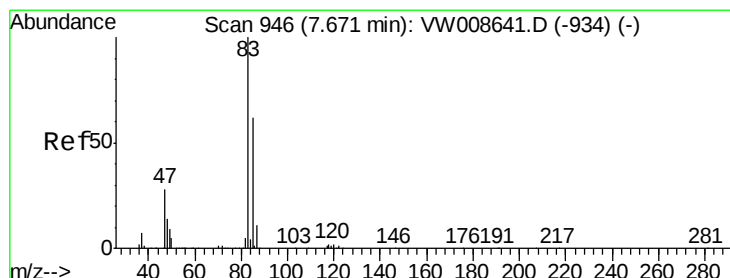
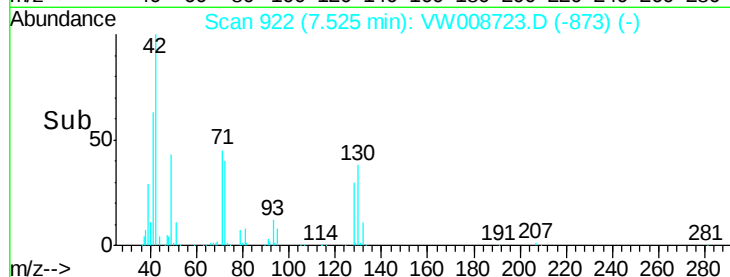
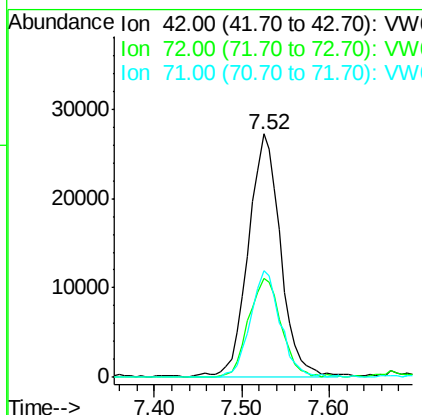
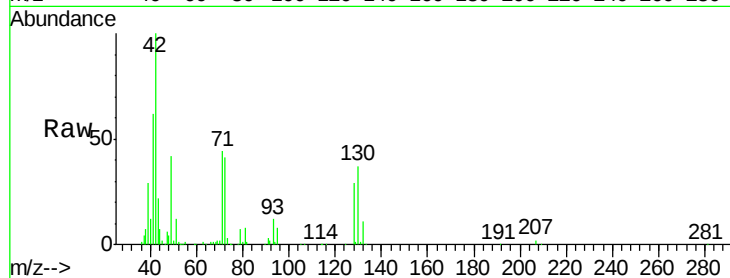
#29
Tetrahydrofuran
Concen: 87.668 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.2	48.2
71	40.9	31.0	46.6

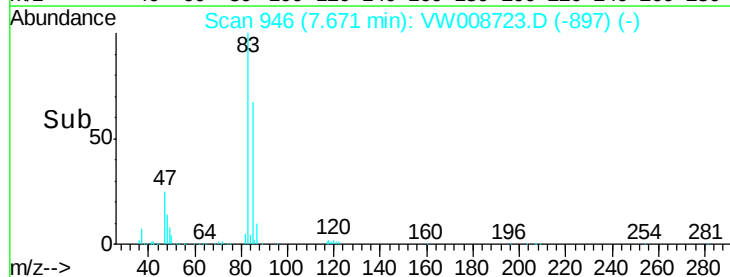
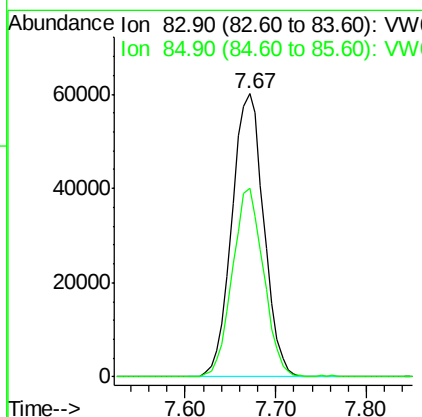
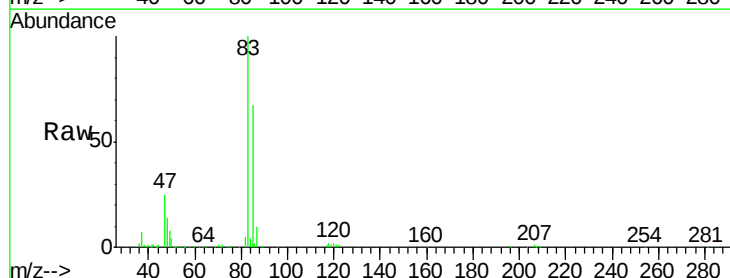
Manual Integrations
APPROVED

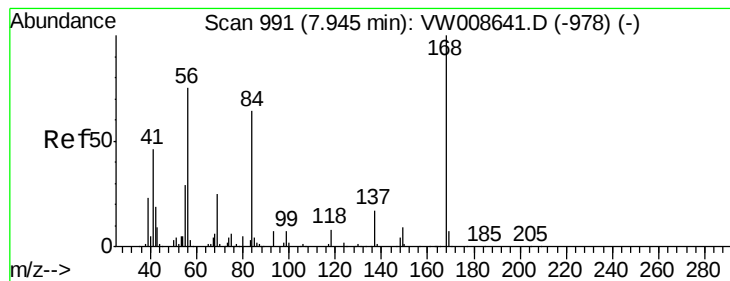
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#30
Chloroform
Concen: 21.586 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	49.8	74.8





#31

Cyclohexane

Concen: 21.161 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

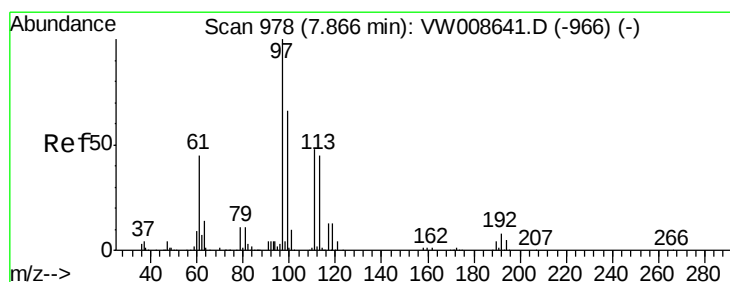
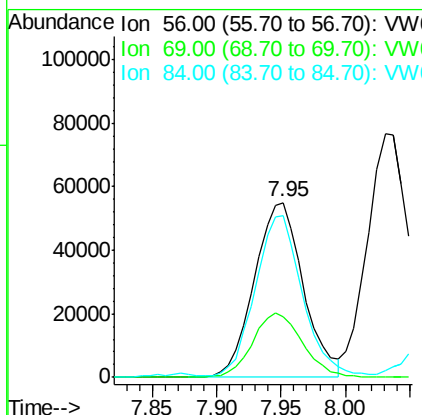
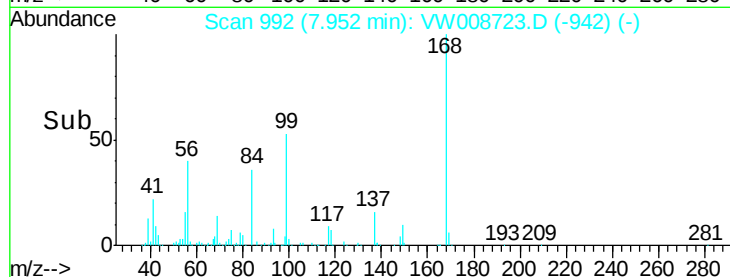
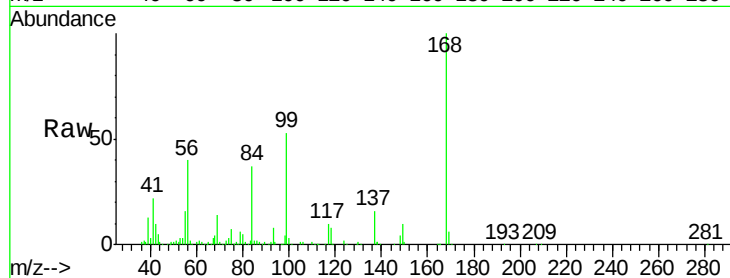
ClientSampleId :

VW0218SBS01

Tot Ion:	56	Resp:	145161
Ion Ratio	Lower	Upper	
56	100		
69	34.4	26.4	39.6
84	91.4	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 22.568 ug/l

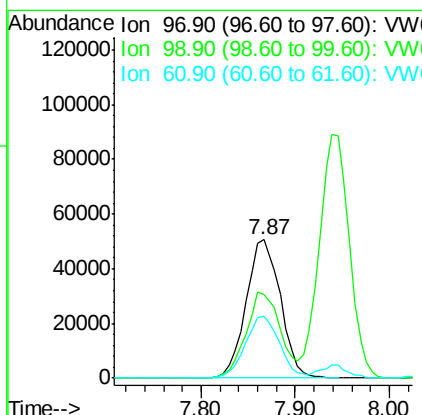
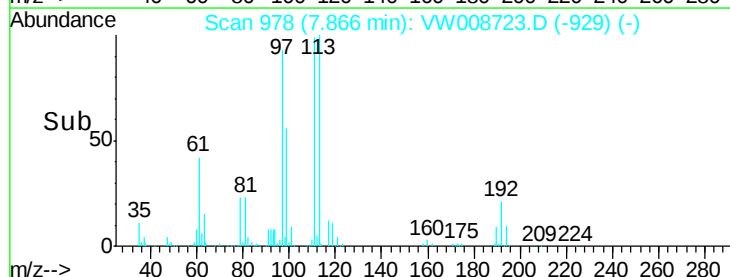
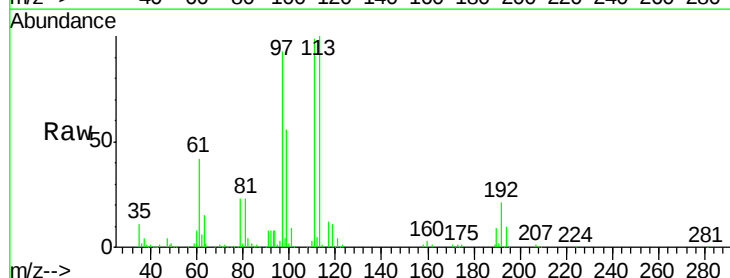
RT: 7.87 min Scan# 978

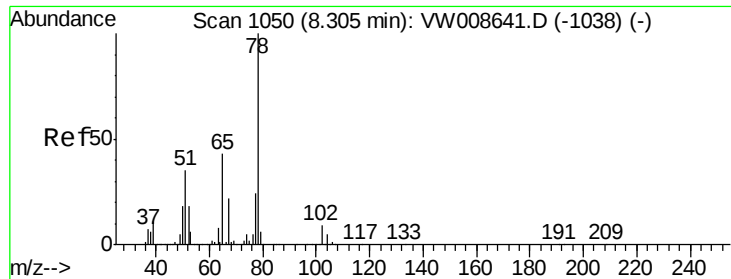
Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	97	Resp:	129802
Ion Ratio	Lower	Upper	
97	100		
99	62.6	51.6	77.4
61	45.0	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 50.142 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 65 Resp: 188078

Ion Ratio Lower Upper

65 100

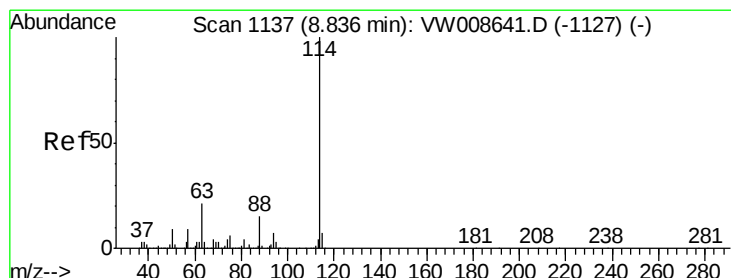
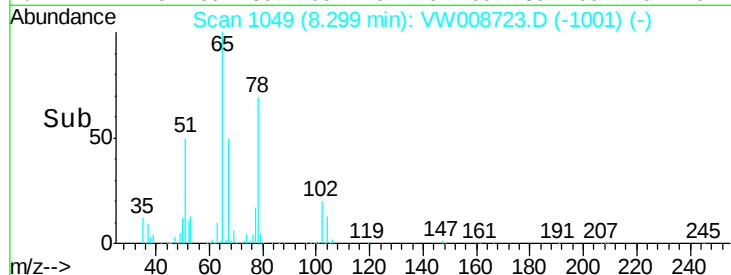
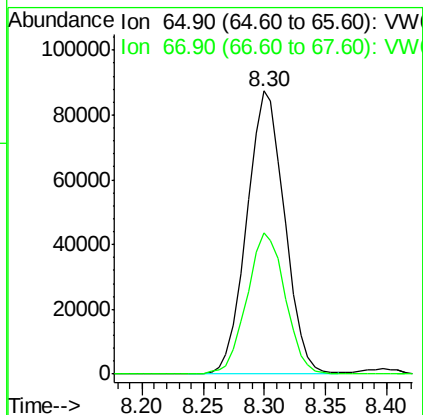
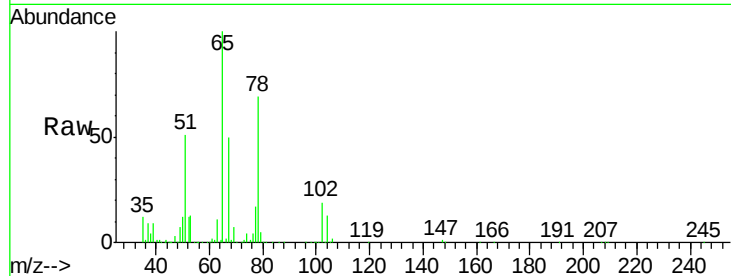
67 50.7 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

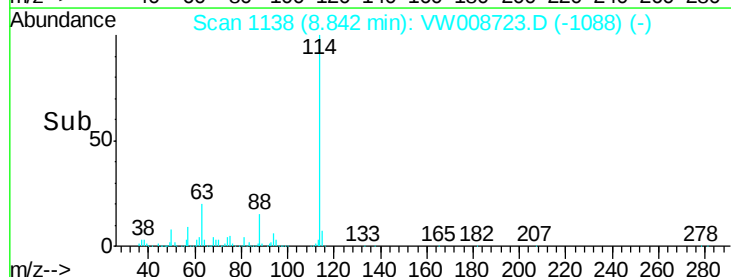
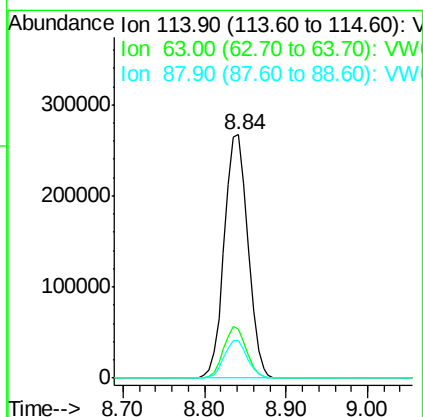
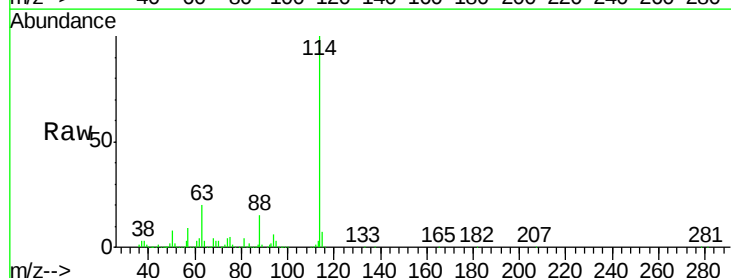
Tgt Ion: 114 Resp: 535308

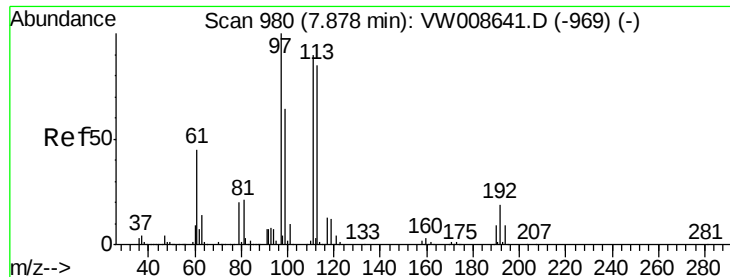
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.2

88 15.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 52.784 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

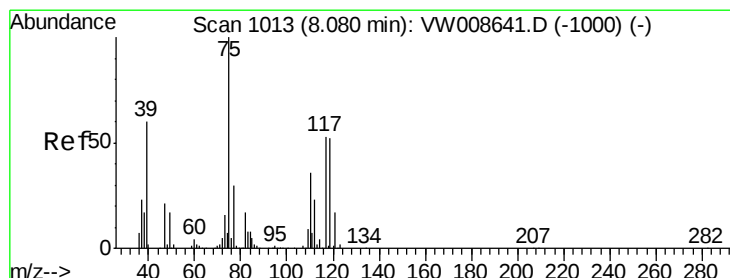
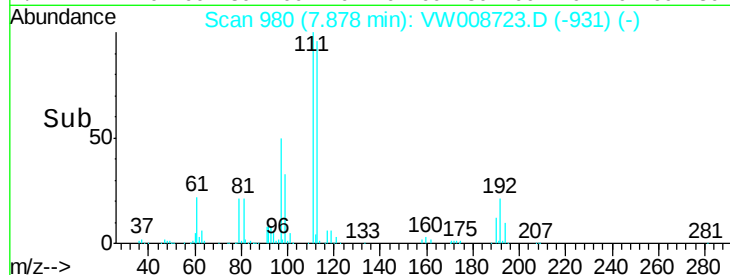
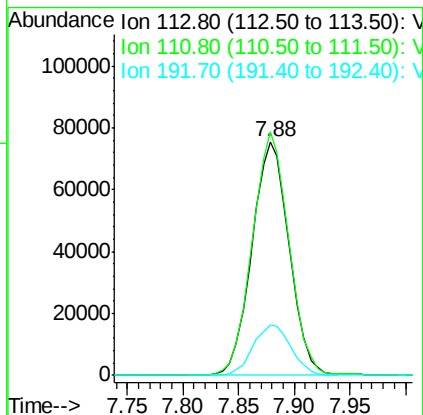
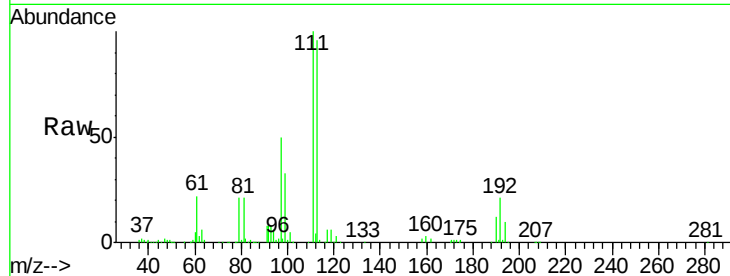
ClientSampleId :

VW0218SBS01

Tot Ion:	113	Resp:	175450
Ion Ratio	Lower	Upper	
113	100		
111	102.8	84.0	126.0
192	22.0	17.4	26.2

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#36

1,1-Dichloropropene

Concen: 22.789 ug/l

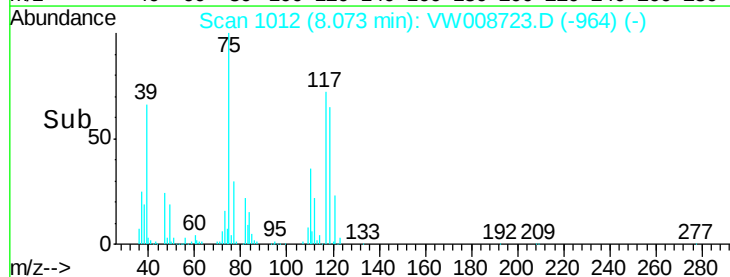
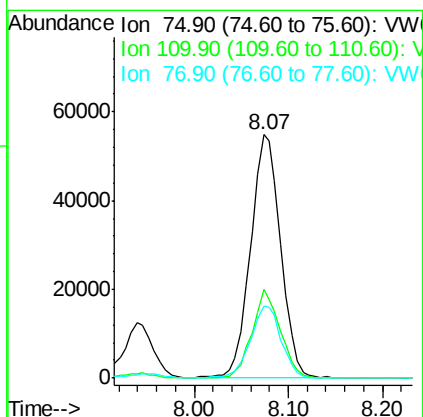
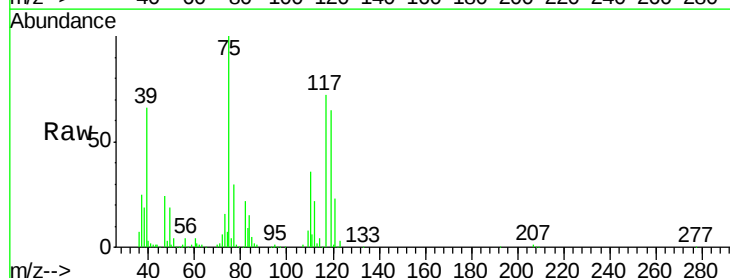
RT: 8.07 min Scan# 1012

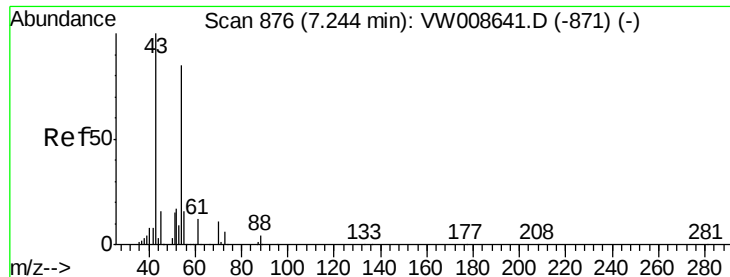
Delta R.T. -0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	75	Resp:	122562
Ion Ratio	Lower	Upper	
75	100		
110	34.3	17.8	53.3
77	30.7	24.7	37.1





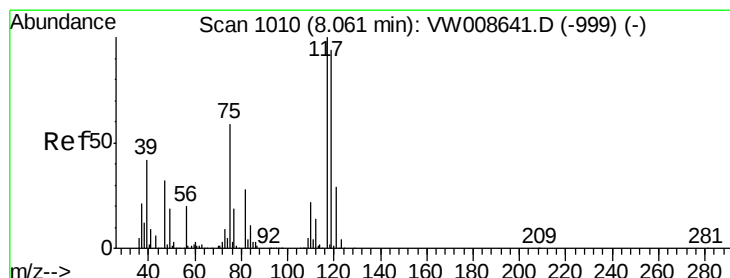
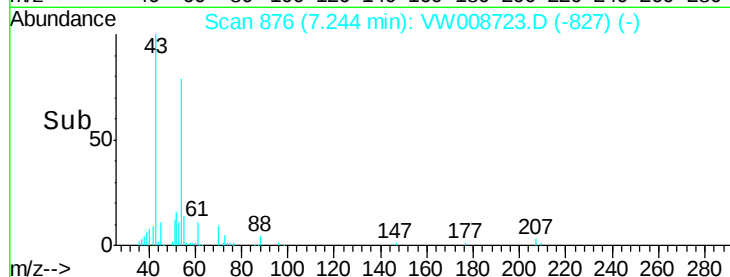
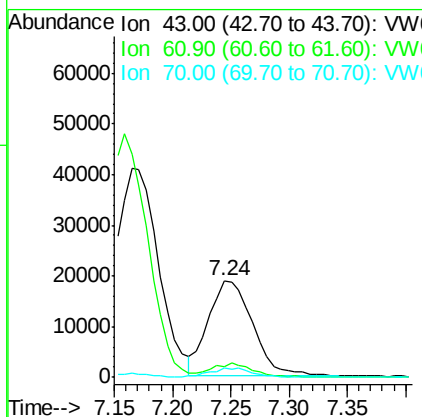
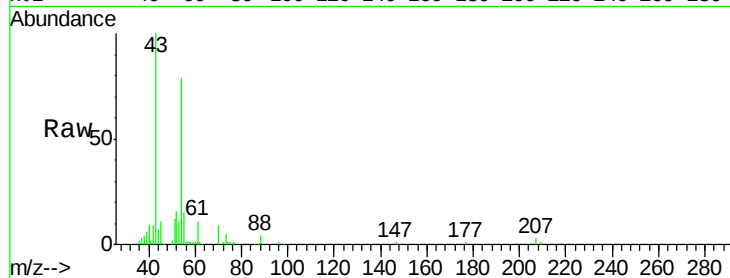
#37
Ethyl Acetate
Concen: 19.205 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.4	8.1	12.1

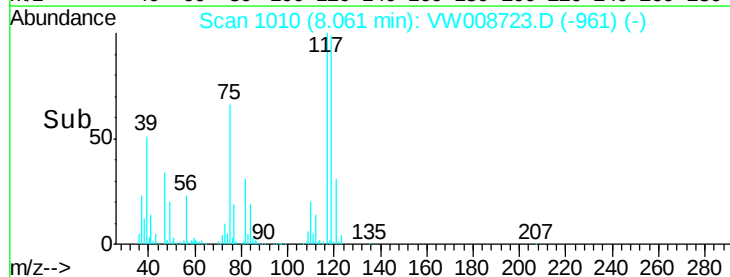
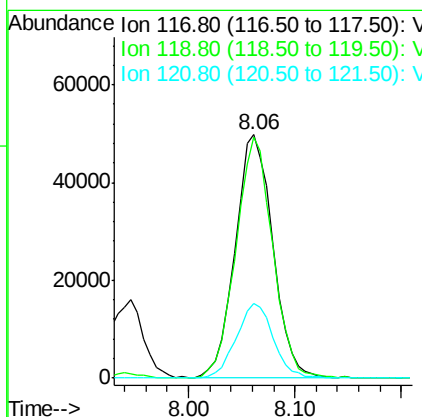
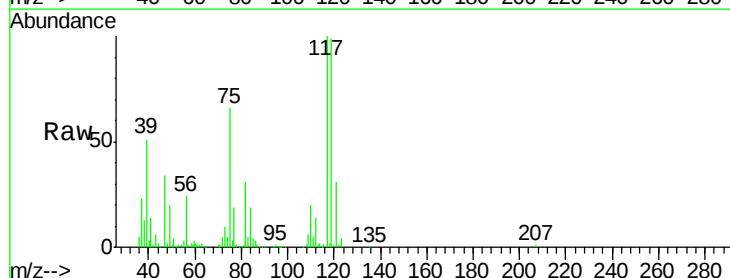
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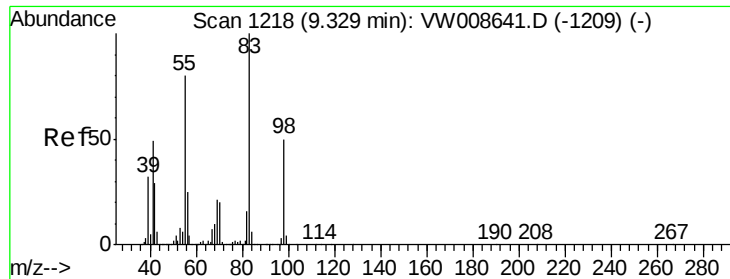
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#38
Carbon Tetrachloride
Concen: 23.028 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	75.1	112.7
121	30.8	23.5	35.3





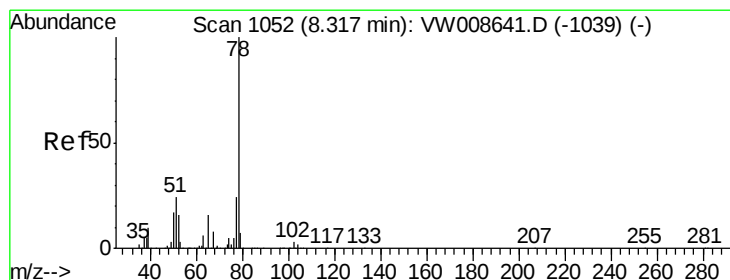
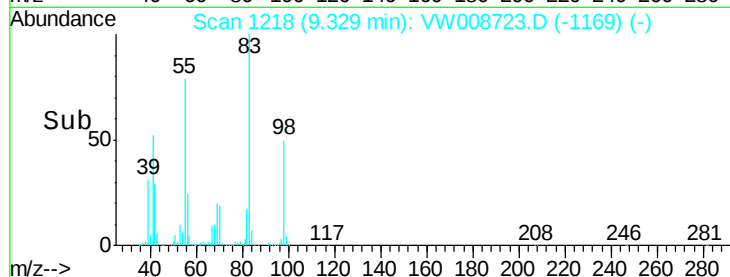
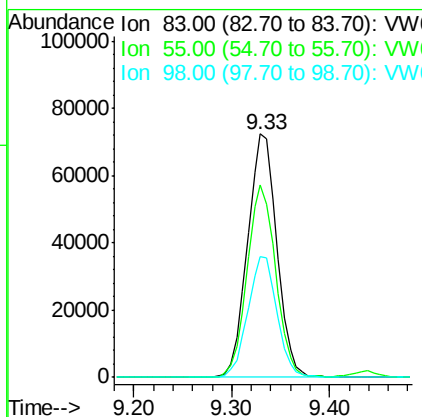
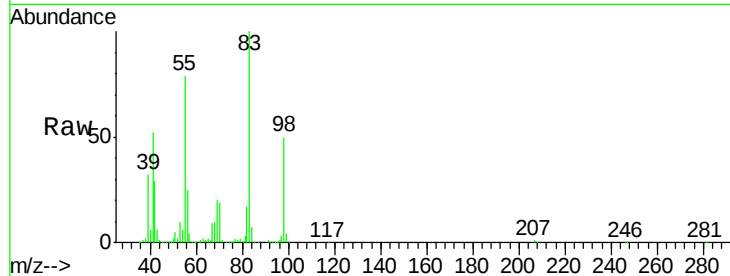
#39
Methvlcvclohexane
Concen: 22.123 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	150490		
55	78.8	63.9	95.9	
98	49.7	40.2	60.2	

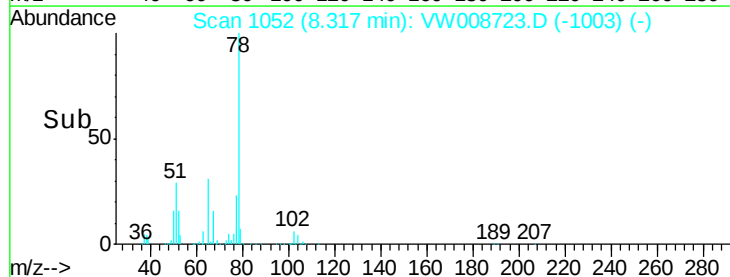
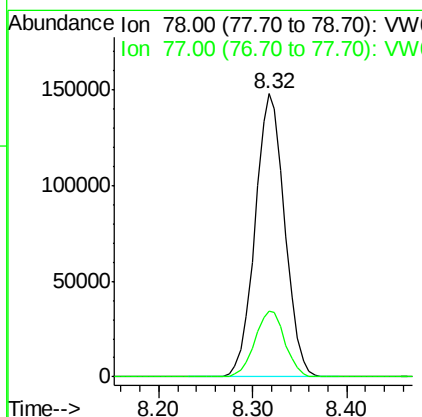
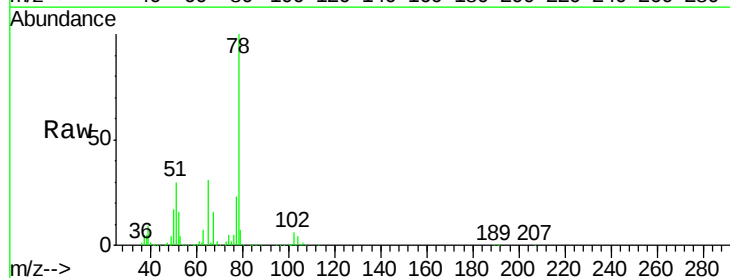
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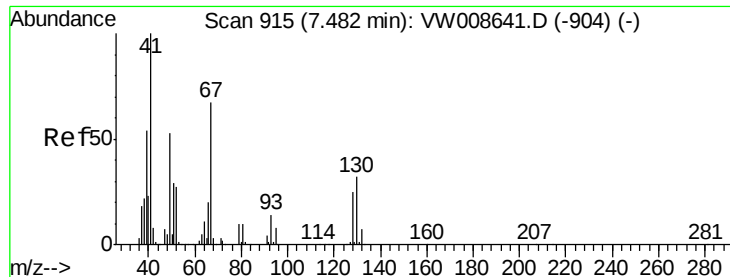
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#40
Benzene
Concen: 22.244 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	326722		
77	23.3	19.5	29.3	





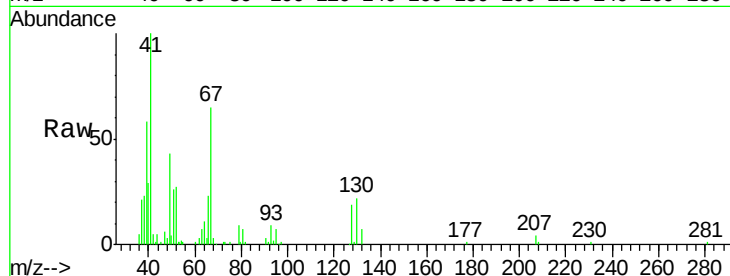
#41
Methacrylonitrile
Concen: 17.993 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

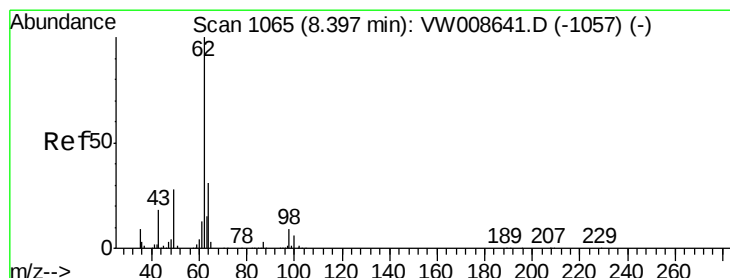
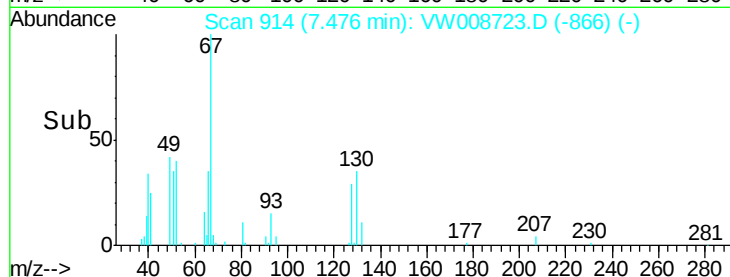
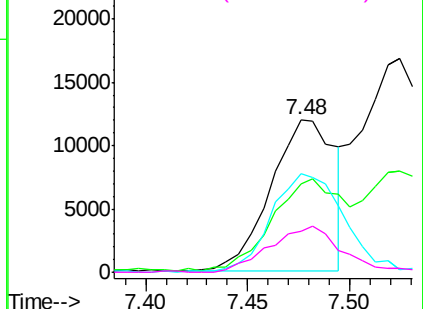
Tot Ion	Ratio	Lower	Upper
41	100		
39	67.7	39.7	59.5#
67	74.8	52.5	78.7
52	34.0	23.1	34.7

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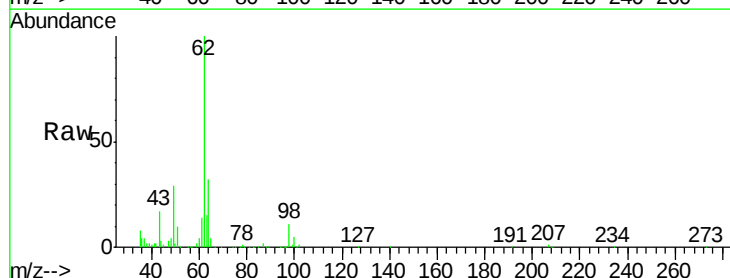


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

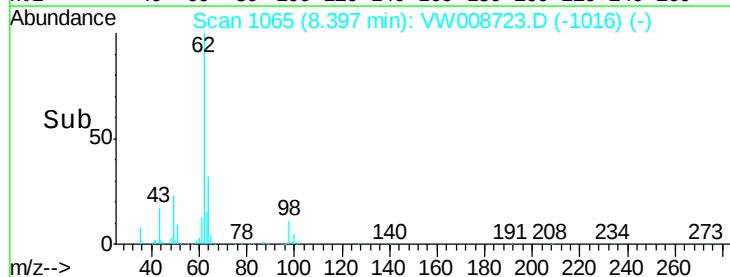
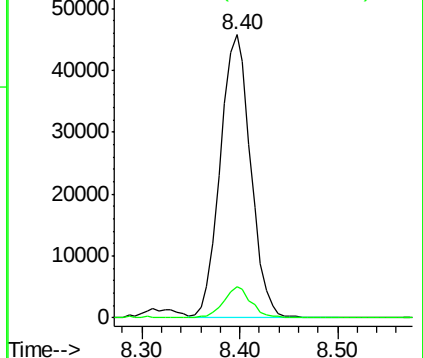


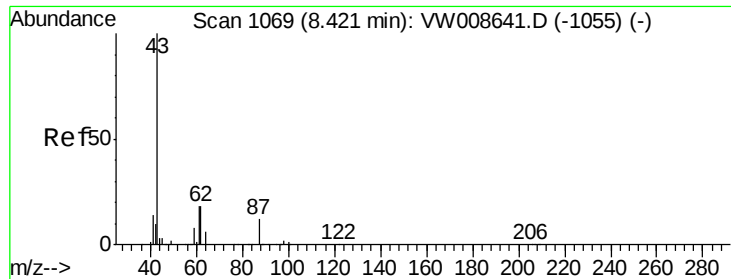
#42
1,2-Dichloroethane
Concen: 21.685 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.538 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

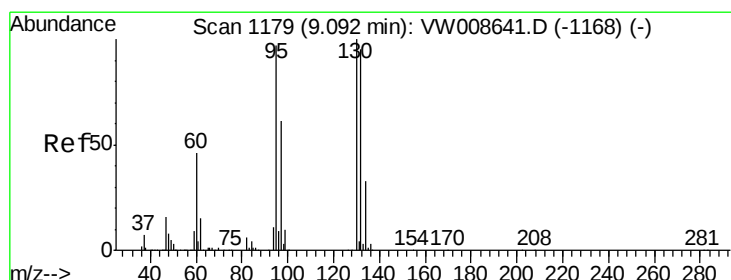
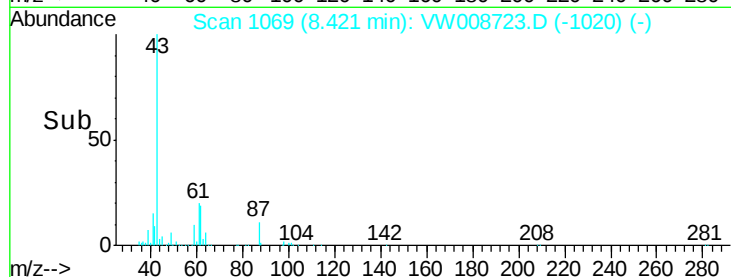
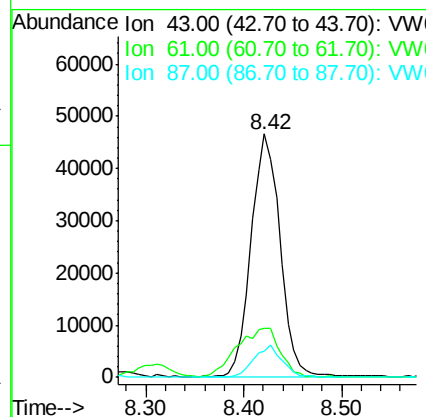
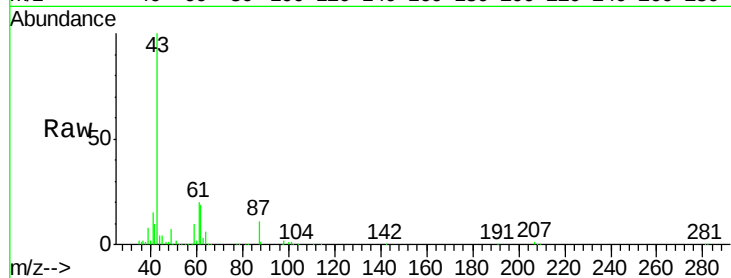
ClientSampleId :

VW0218SBS01

Tot Ion:	43	Resp:	95898
Ion	Ratio	Lower	Upper
43	100		
61	29.4	21.4	32.2
87	13.0	9.8	14.8

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#44

Trichloroethene

Concen: 22.456 ug/l

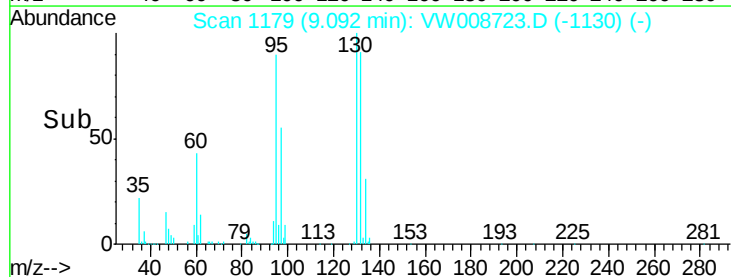
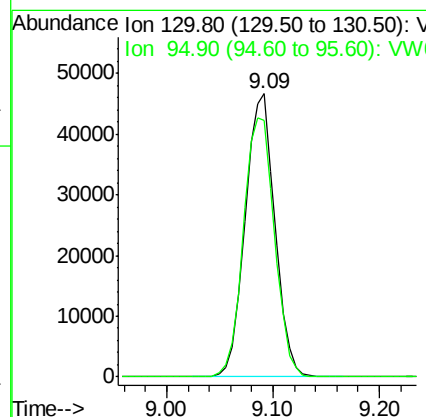
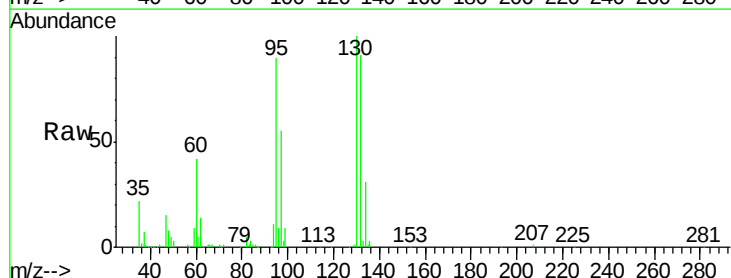
RT: 9.09 min Scan# 1179

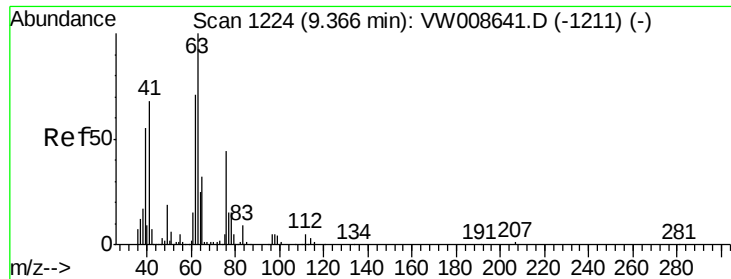
Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	130	Resp:	91453
Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	193.4





#45

1,2-Dichloropropane

Concen: 21.602 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 63 Resp: 78526

Ion Ratio Lower Upper

63 100

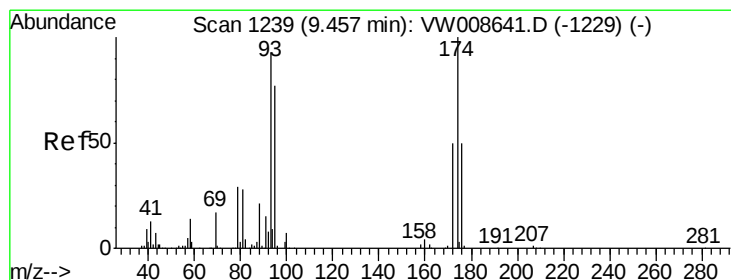
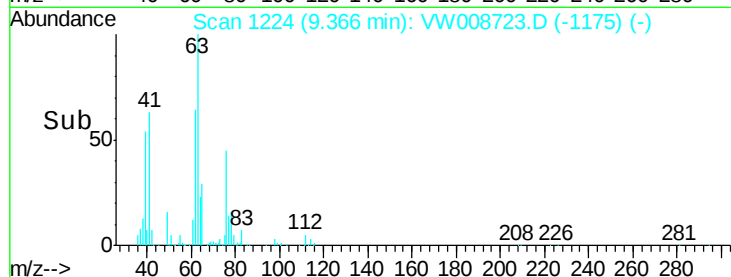
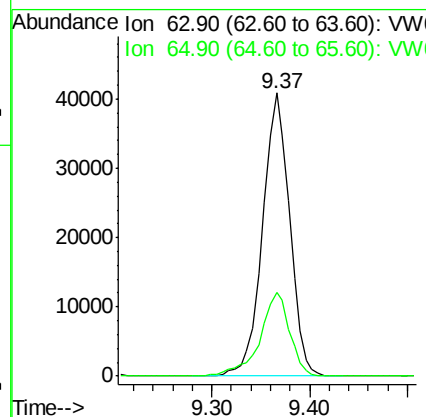
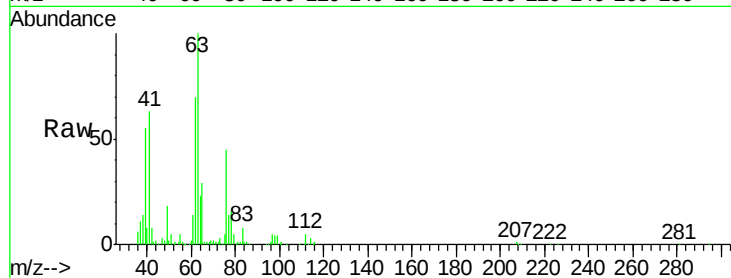
65 29.2 25.4 38.0

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2/19/2019 11:12:38 AM



#46

Dibromomethane

Concen: 20.356 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

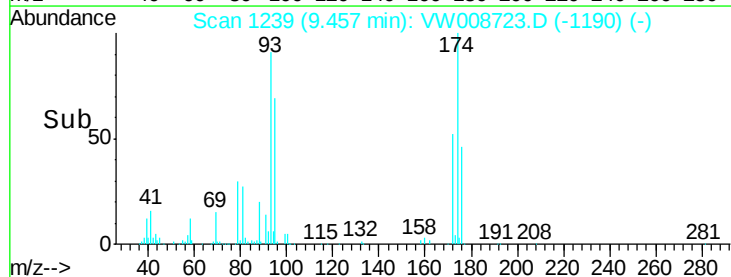
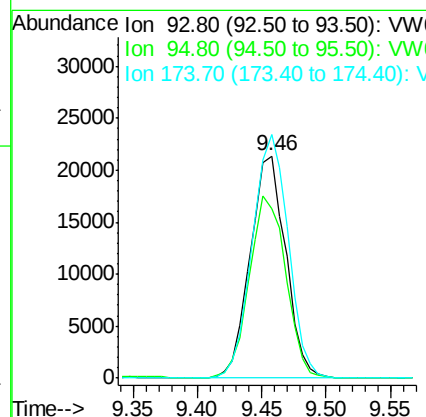
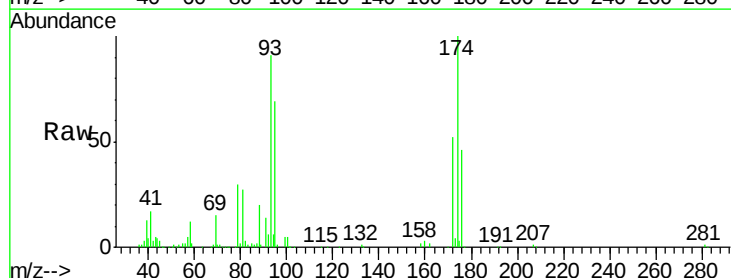
Tgt Ion: 93 Resp: 40762

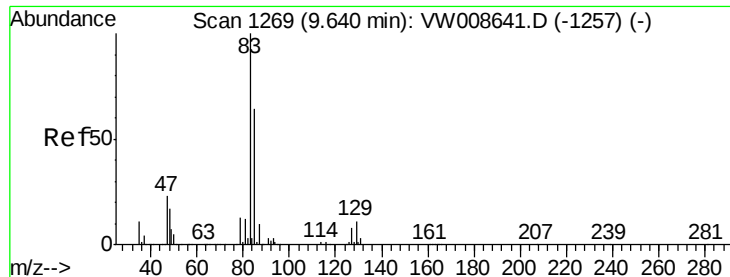
Ion Ratio Lower Upper

93 100

95 84.1 65.8 98.8

174 110.8 82.5 123.7





#47

Bromodichloromethane

Concen: 21.841 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

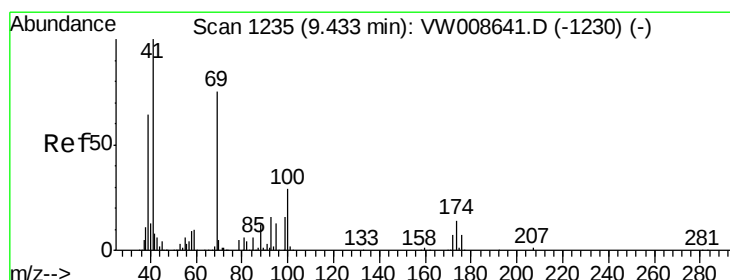
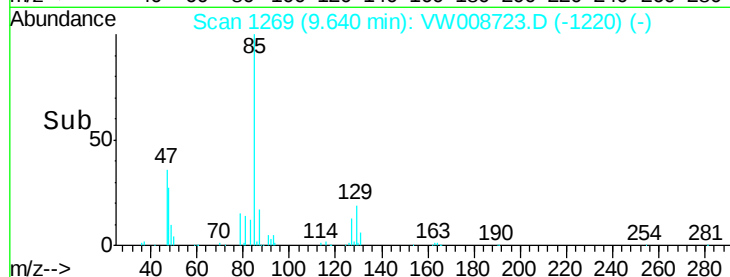
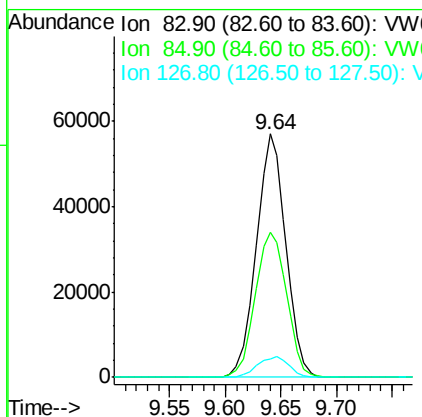
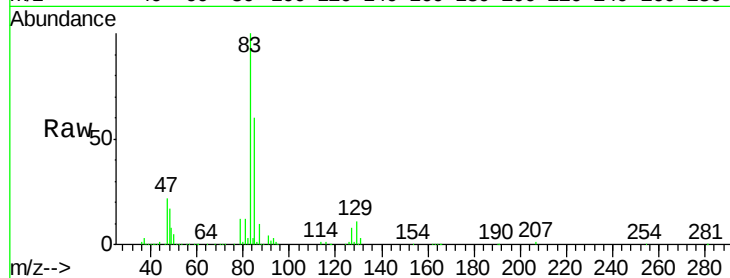
ClientSampleId :

VW0218SBS01

Tot Ion:	83	Resp:	105108
Ion Ratio	Lower	Upper	
83	100		
85	59.8	51.2	76.8
127	7.6	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.833 ug/l

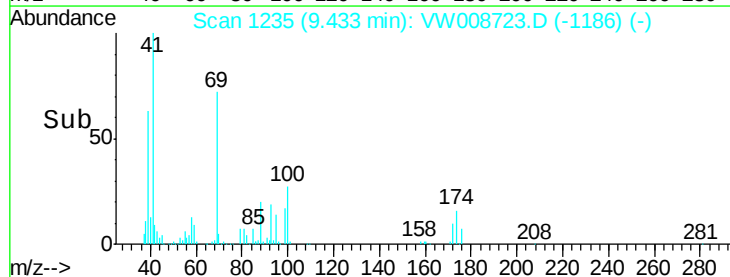
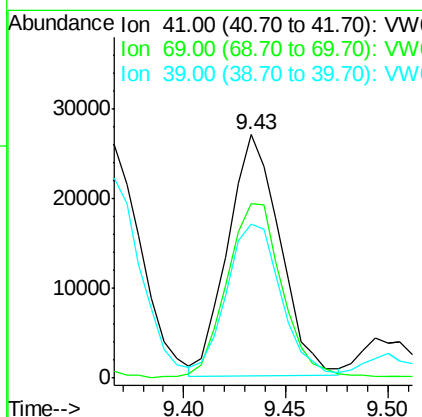
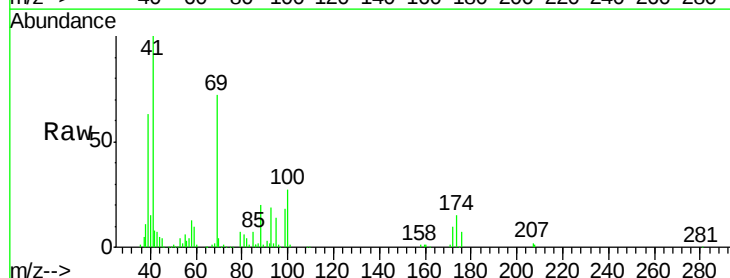
RT: 9.43 min Scan# 1235

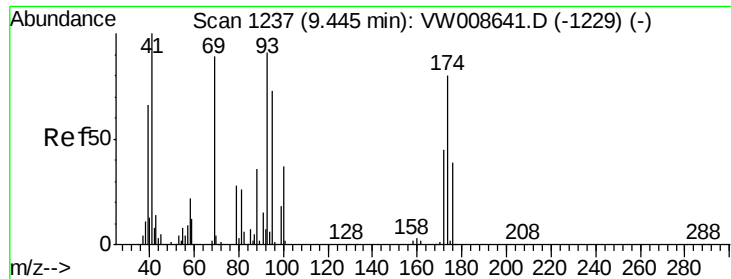
Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	41	Resp:	47547
Ion Ratio	Lower	Upper	
41	100		
69	76.6	64.1	96.1
39	62.1	52.3	78.5





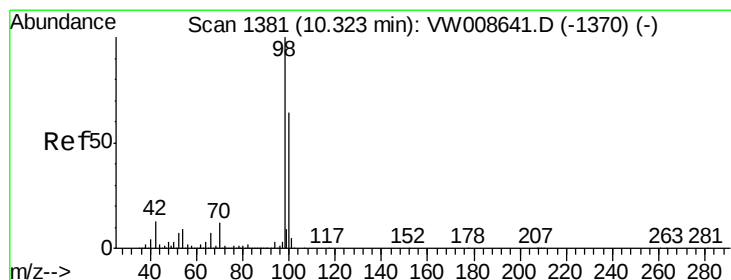
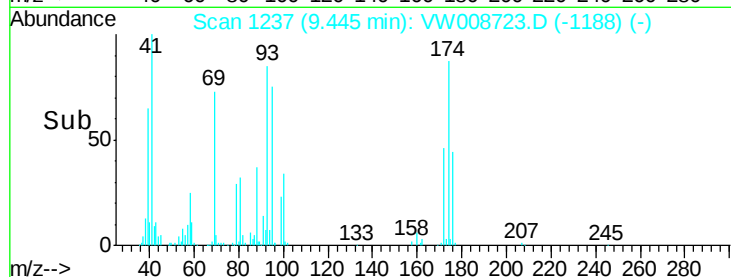
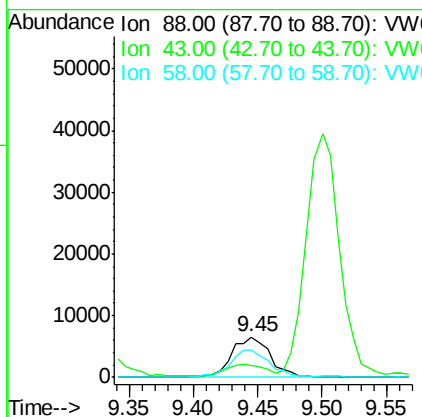
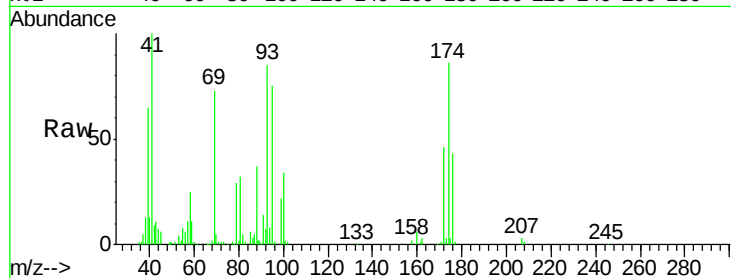
#49
1,4-Dioxane
Concen: 421.609 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	88	Resp	13476
Ion Ratio	100	Lower	Upper
88	100		
43	30.5	31.0	46.6#
58	70.3	57.0	85.6

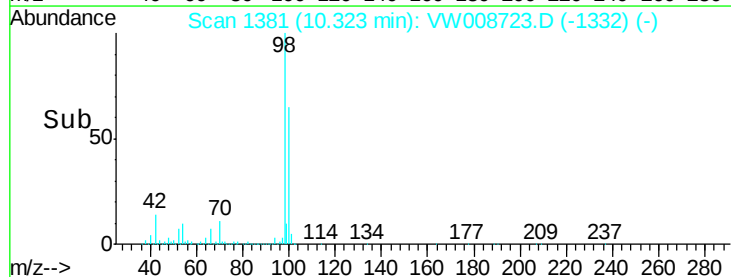
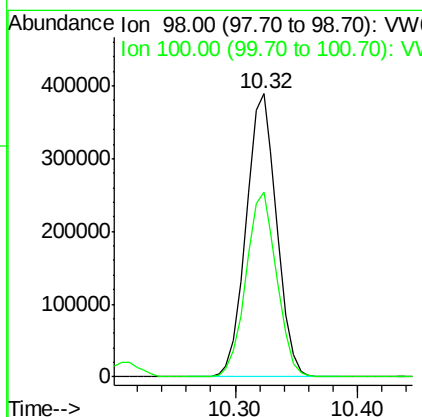
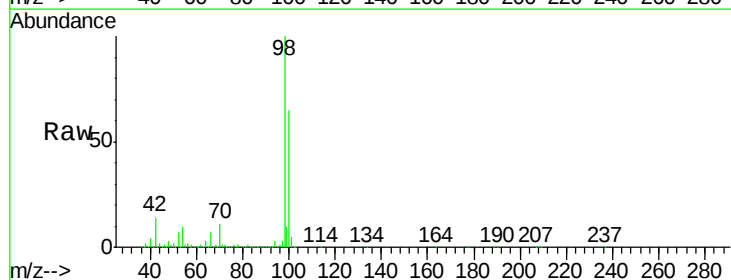
Manual Integrations
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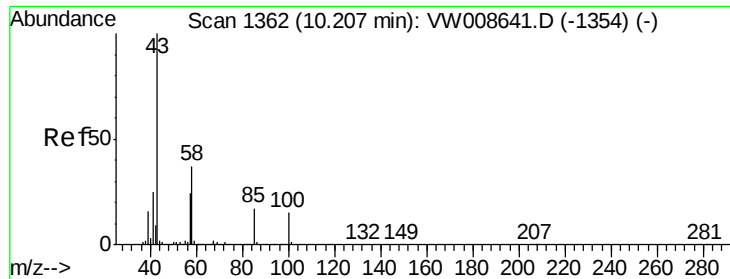
MMDadoda
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#50
Toluene-d8
Concen: 52.525 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	98	Resp	673016
Ion Ratio	100	Lower	Upper
98	100		
100	65.6	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 90.965 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 43 Resp: 241726

Ion Ratio Lower Upper

43 100

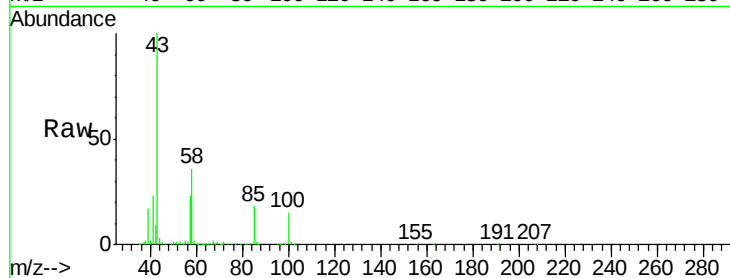
58 37.0 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

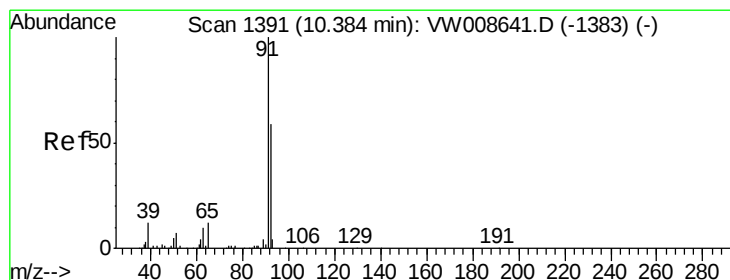
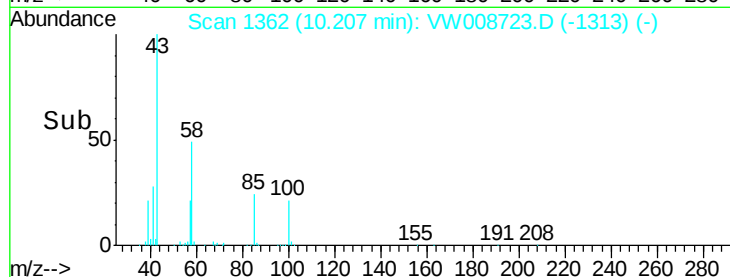
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.922 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008723.D

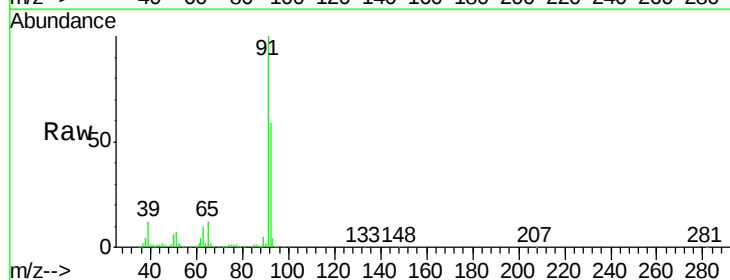
Acq: 18 Feb 2019 12:52

Tgt Ion: 92 Resp: 207725

Ion Ratio Lower Upper

92 100

91 172.1 135.8 203.6



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.38

200000

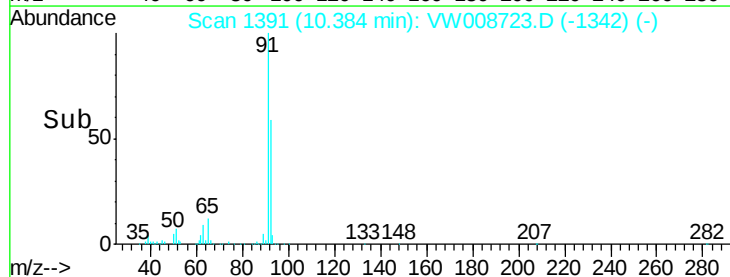
150000

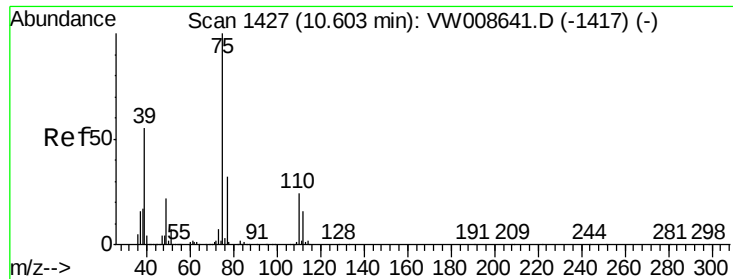
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.435 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 75 Resp: 103310

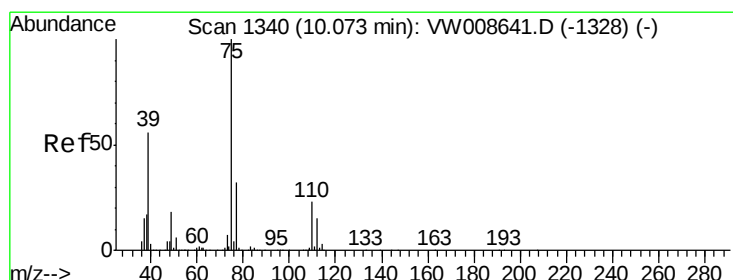
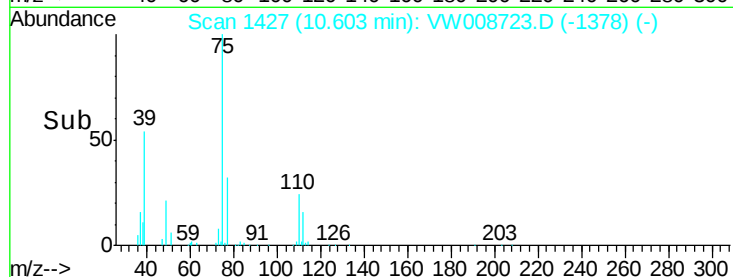
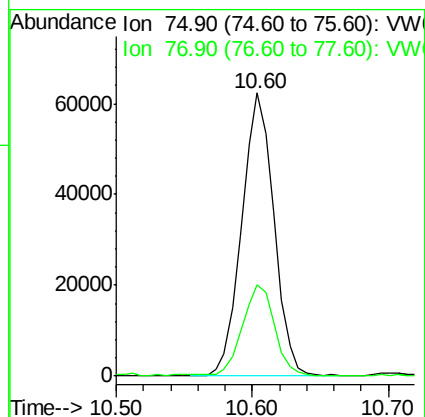
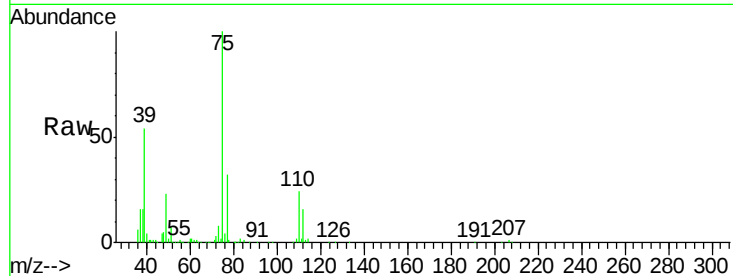
Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5

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#54

cis-1,3-Dichloropropene

Concen: 20.953 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

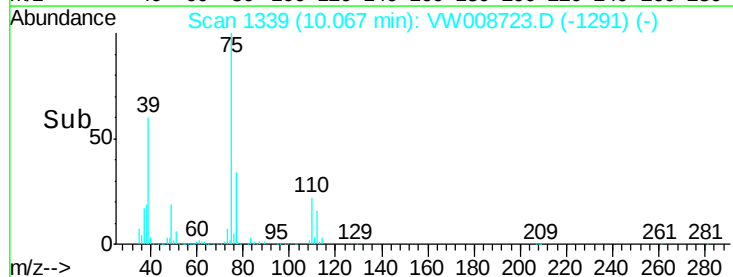
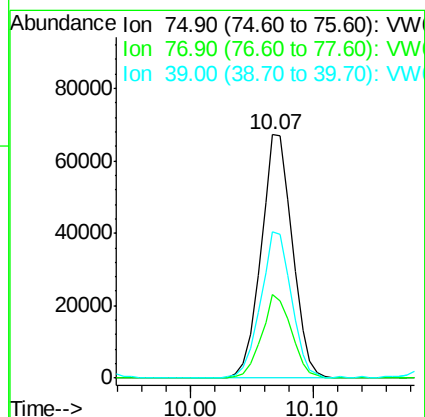
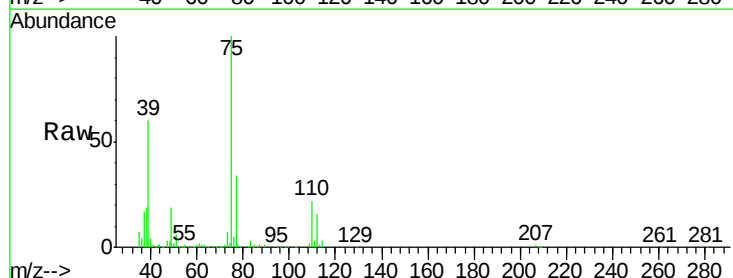
Tgt Ion: 75 Resp: 120083

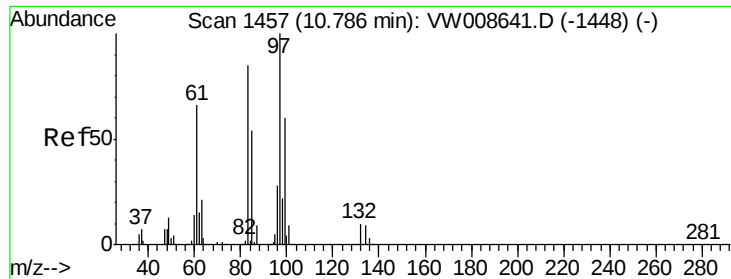
Ion Ratio Lower Upper

75 100

77 34.3 25.4 38.0

39 59.8 44.5 66.7





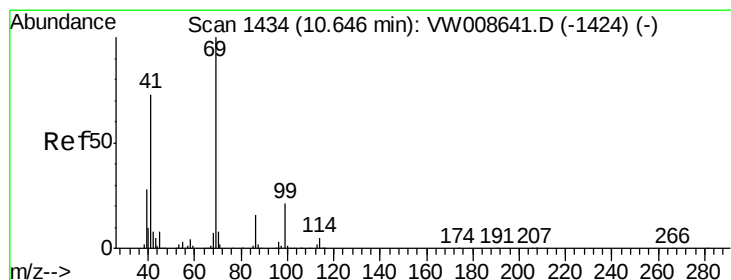
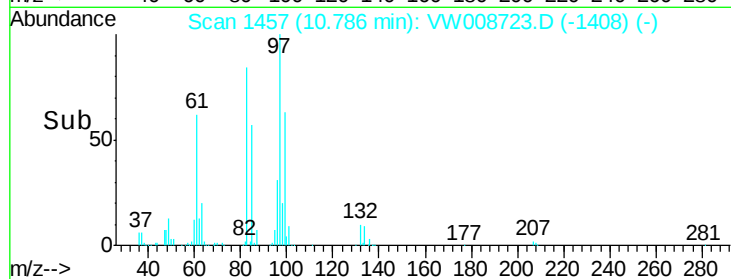
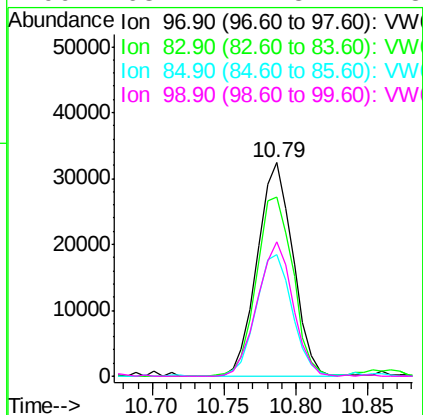
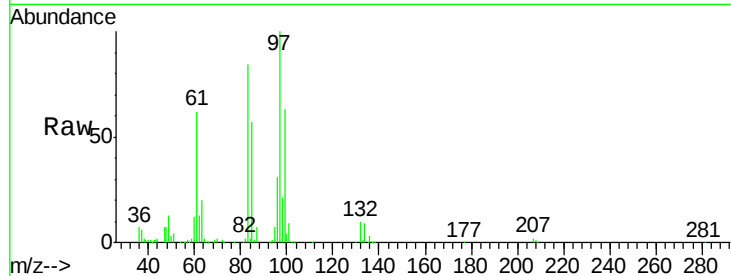
#55
 1,1,2-Trichloroethane
 Concen: 20.191 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Tot Ion:	97	Resp:	55476
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.4	102.6
85	56.5	43.1	64.7
99	63.1	47.8	71.8

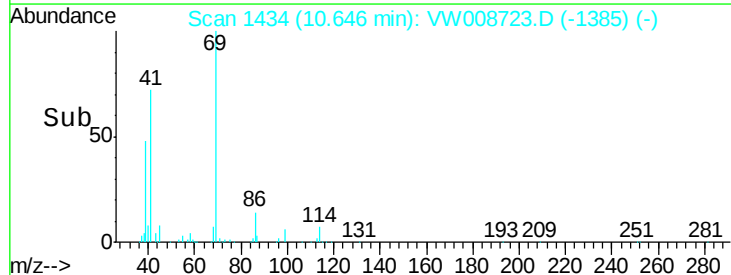
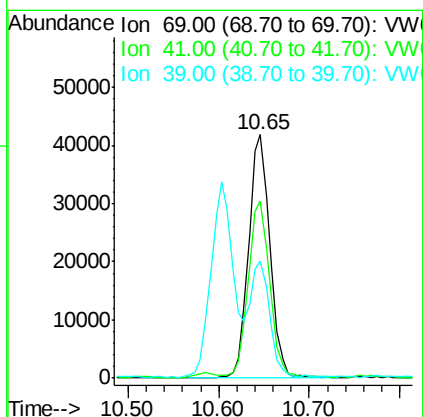
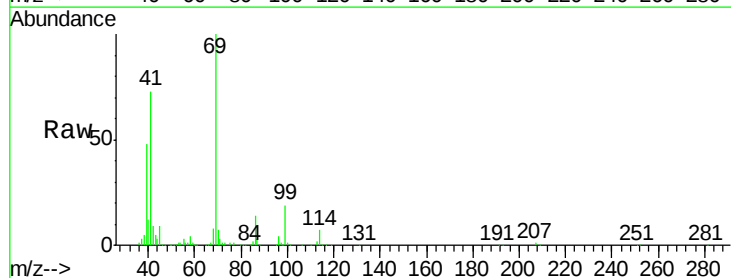
Manual Integrations
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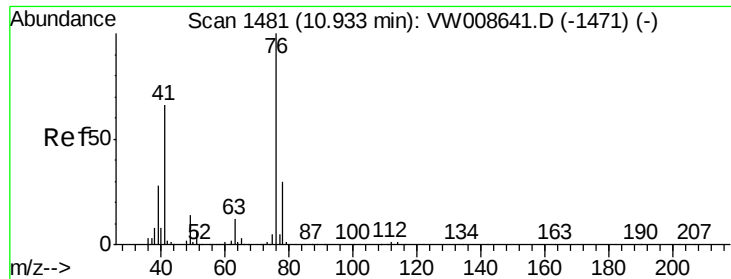
MMDadoda
 2/19/2019 11:12:38 AM



#56
 Ethyl methacrylate
 Concen: 18.765 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Tgt Ion:	69	Resp:	68460
Ion	Ratio	Lower	Upper
69	100		
41	73.1	59.0	88.4
39	42.9	34.4	51.6





#57

1,3-Dichloropropane

Concen: 20.395 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 76 Resp: 99425

Ion Ratio Lower Upper

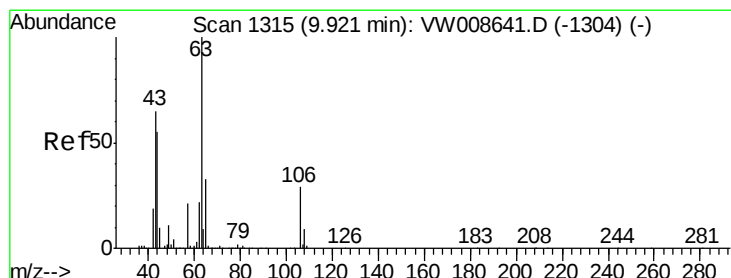
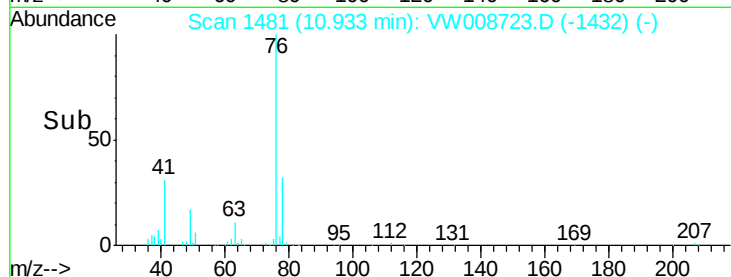
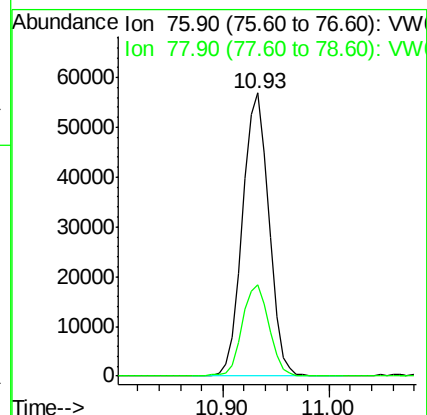
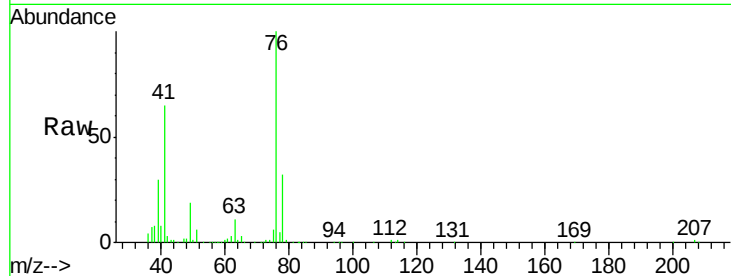
76 100

78 33.0 25.4 38.0

Manual Integrations
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2/19/2019 11:12:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.989 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW008723.D

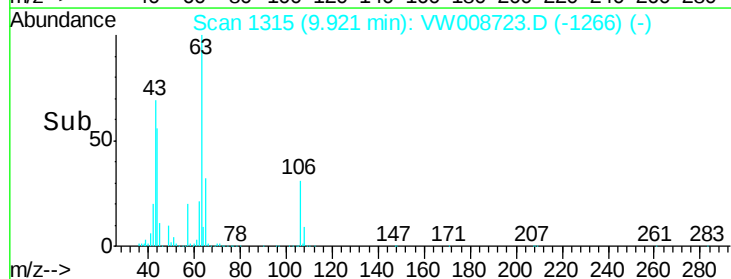
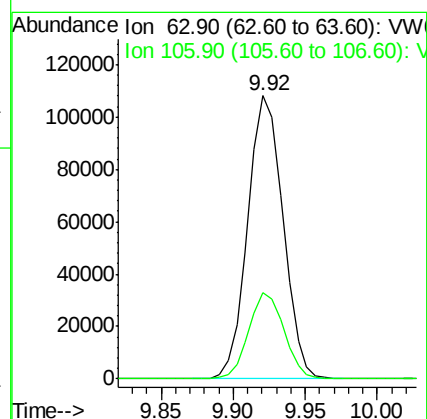
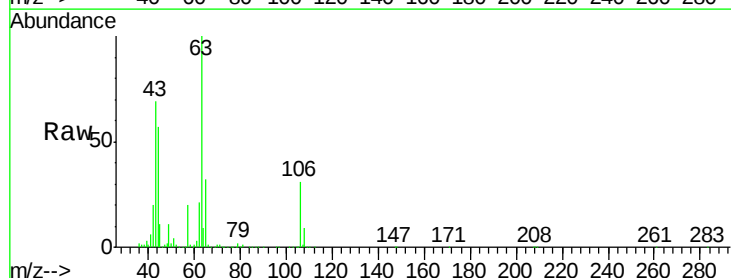
Acq: 18 Feb 2019 12:52

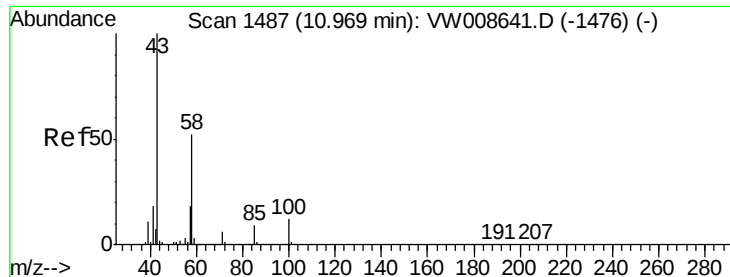
Tgt Ion: 63 Resp: 183747

Ion Ratio Lower Upper

63 100

106 30.5 23.4 35.2





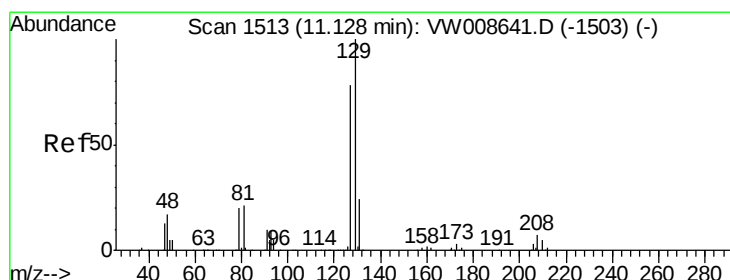
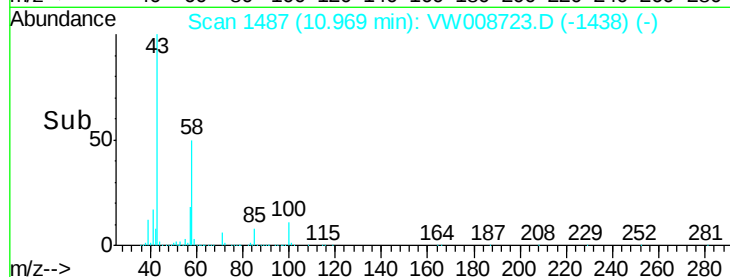
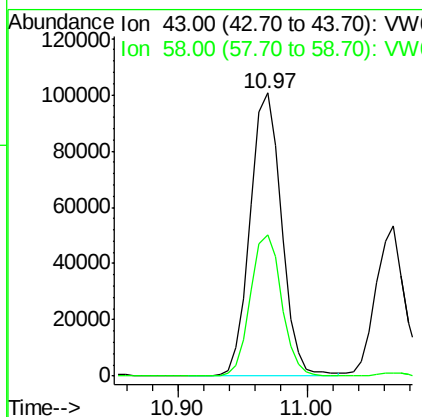
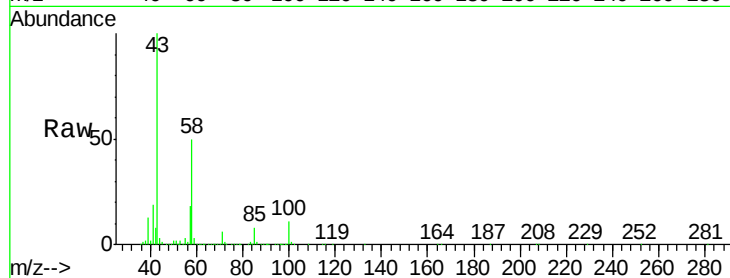
#59
2-Hexanone
Concen: 90.352 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	25.6	76.6

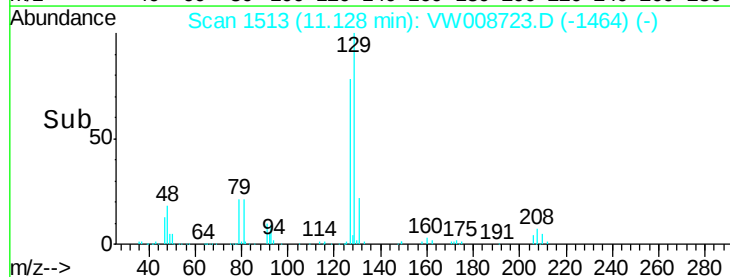
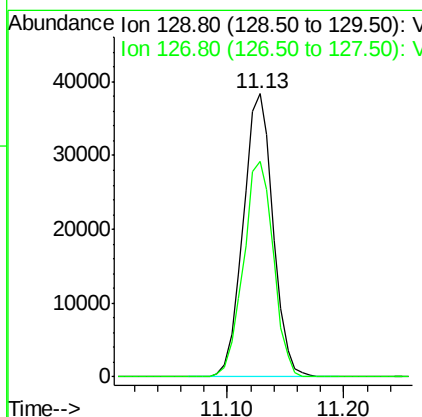
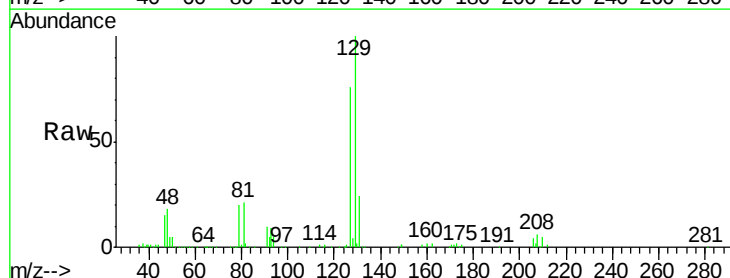
Manual Integrations
APPROVED

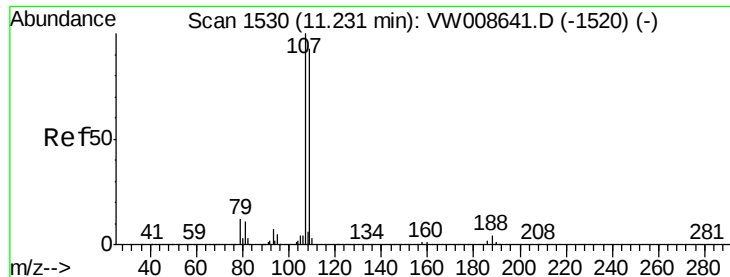
MMDadoda
2/19/2019 11:12:38 AM



#60
Dibromochloromethane
Concen: 20.845 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.3





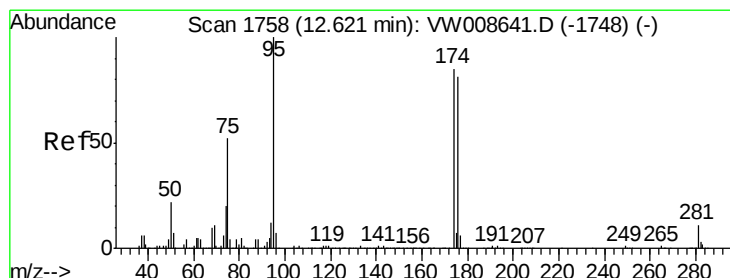
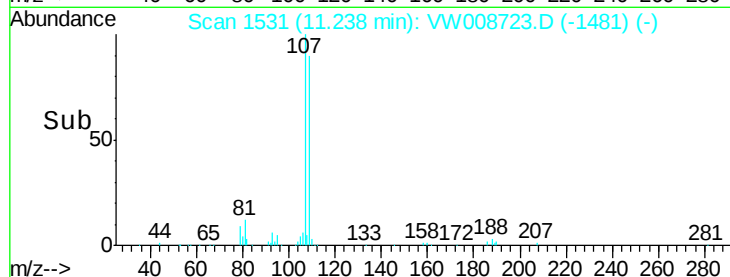
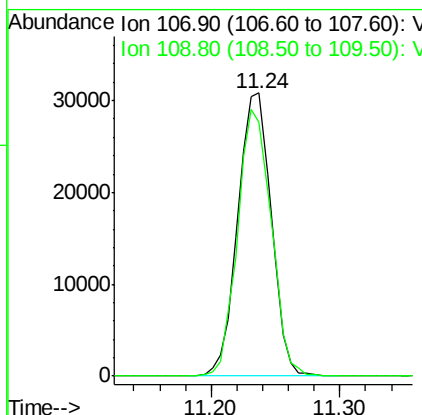
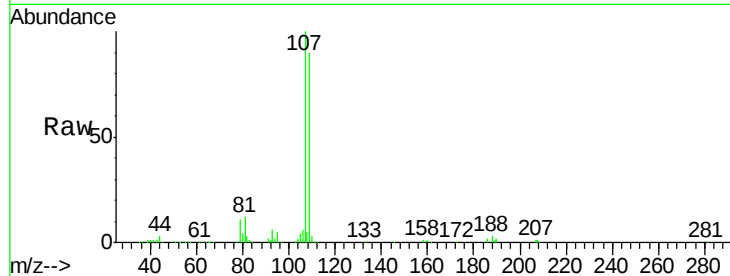
#61
 1,2-Dibromoethane
 Concen: 20.537 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.8	112.2

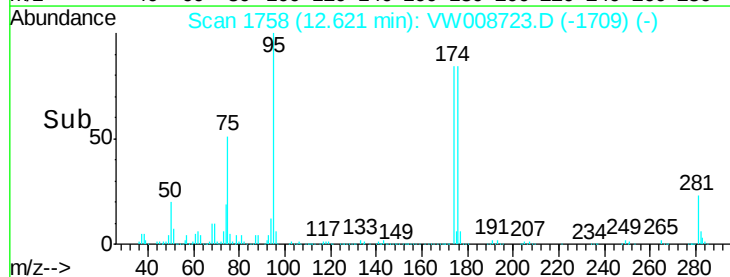
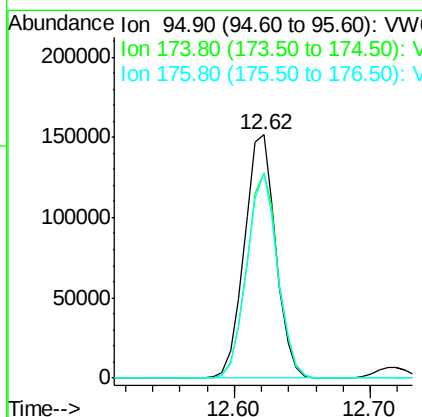
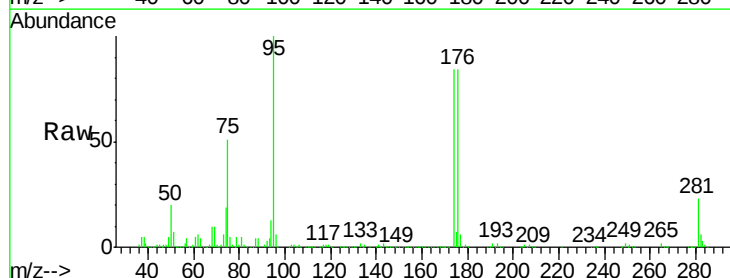
Manual Integrations
 APPROVED

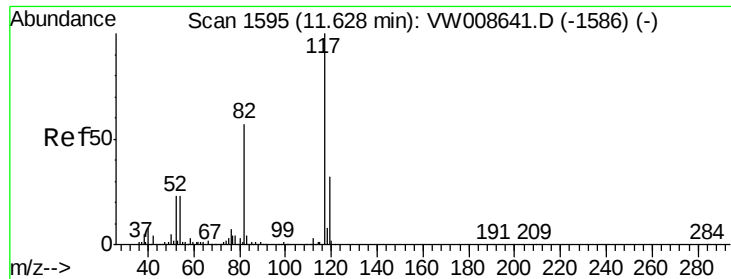
MMDadoda
 2/19/2019 11:12:38 AM



#62
 4-Bromofluorobenzene
 Concen: 50.586 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	163.2
176	82.4	0.0	158.0





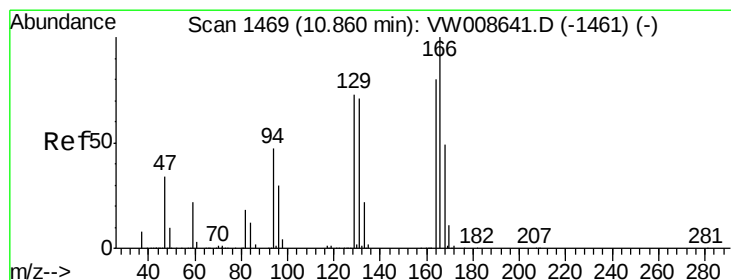
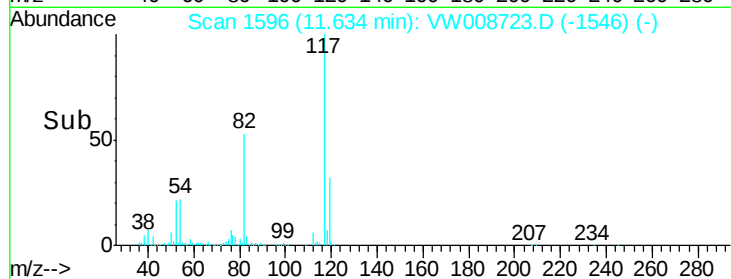
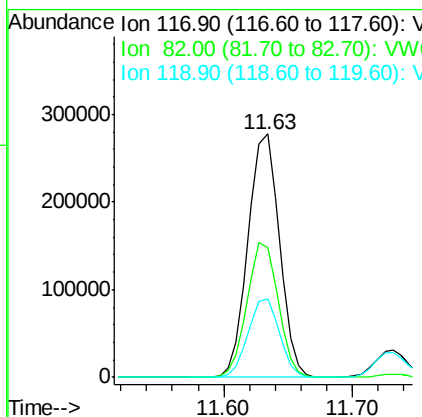
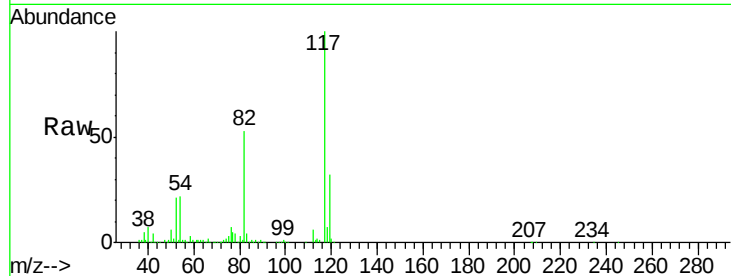
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	468852		
82	53.1		45.6	68.4
119	32.2		25.7	38.5

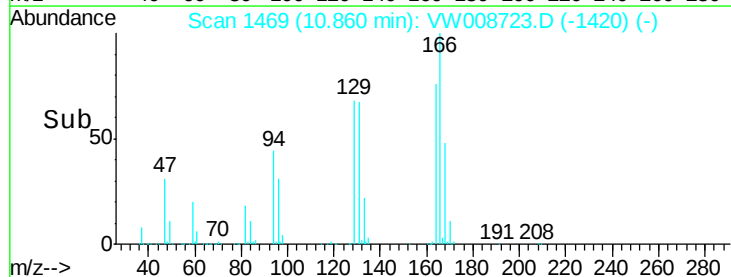
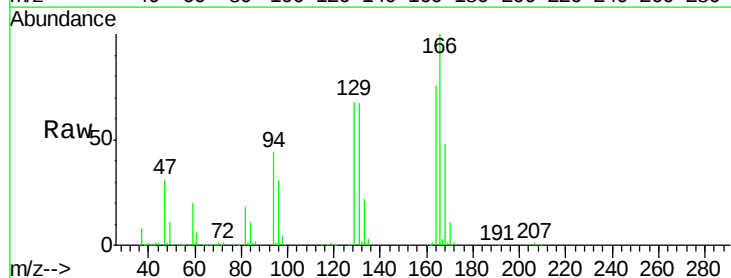
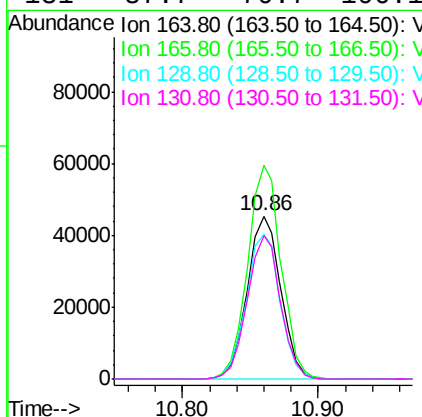
Manual Integrations
APPROVED

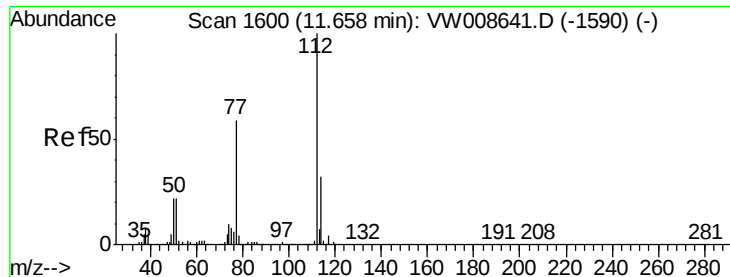
MMDadoda
2/19/2019 11:12:38 AM



#64
Tetrachloroethene
Concen: 22.543 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78598		
166	131.0		100.2	150.2
129	89.0		73.6	110.4
131	87.7		70.7	106.1





#65

Chlorobenzene

Concen: 22.445 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion:112 Resp: 226818

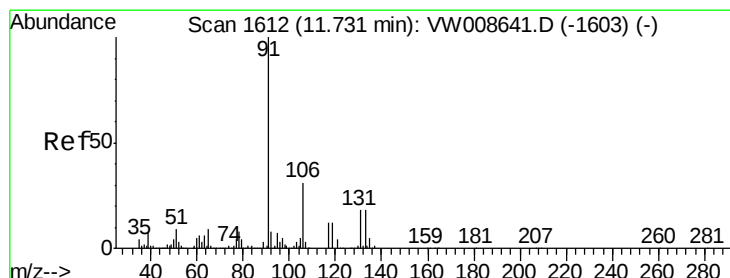
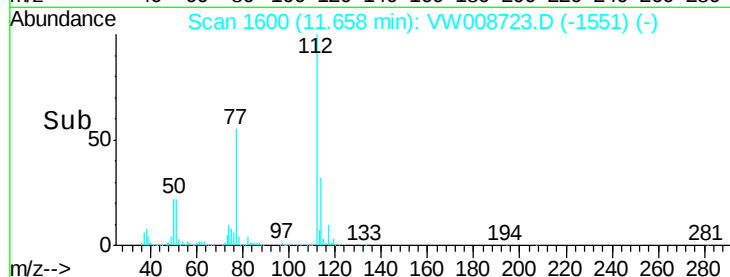
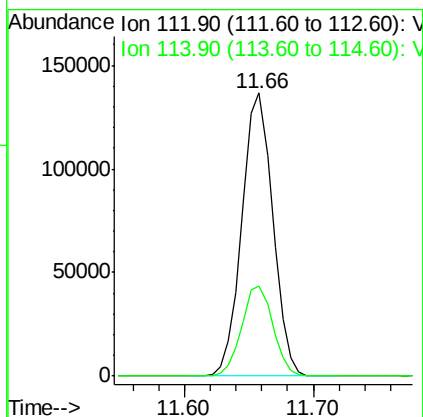
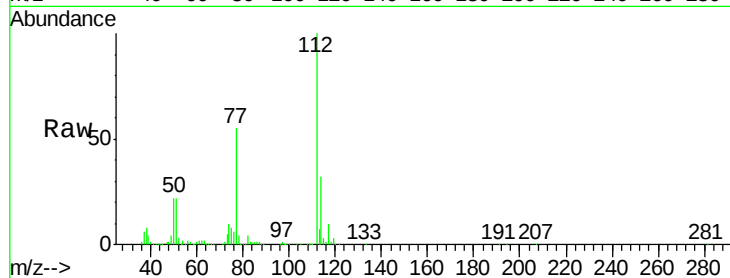
Ion Ratio Lower Upper

112 100

114 31.9 25.7 38.5

Manual Integrations
APPROVED

MMDadoda
2/19/2019 11:12:38 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 22.449 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

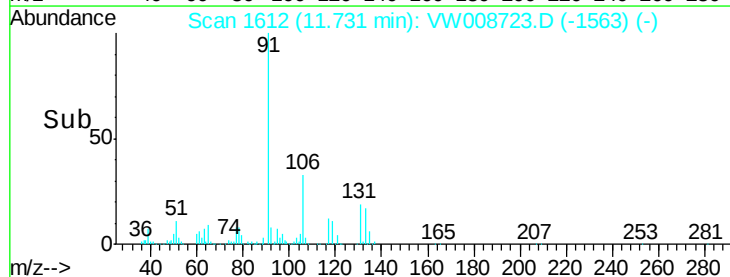
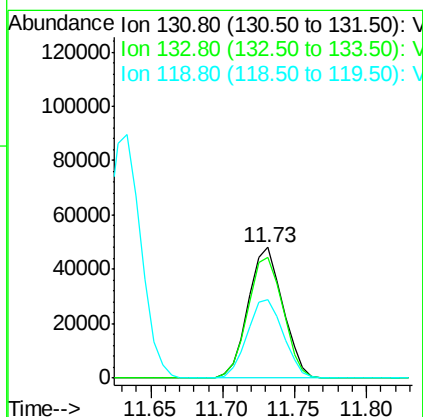
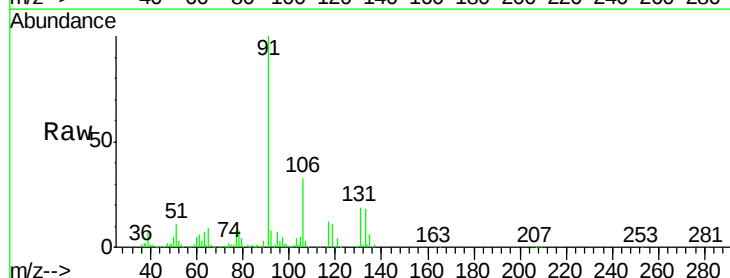
Tgt Ion:131 Resp: 80364

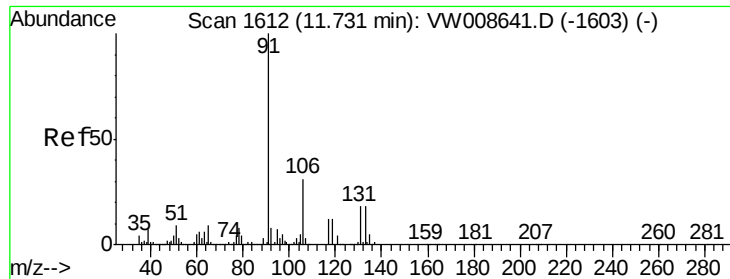
Ion Ratio Lower Upper

131 100

133 94.3 47.8 143.4

119 62.1 31.6 94.8





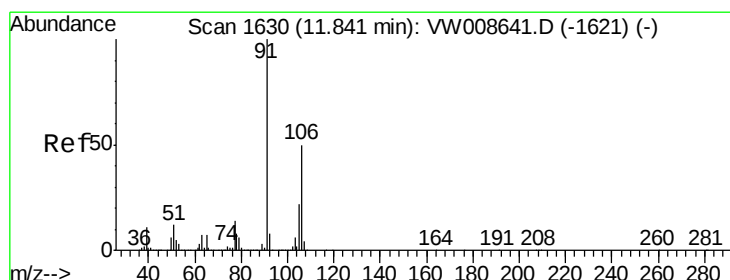
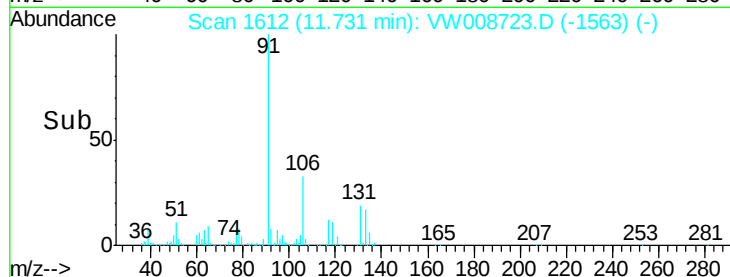
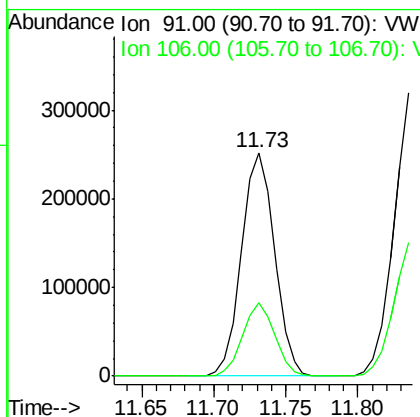
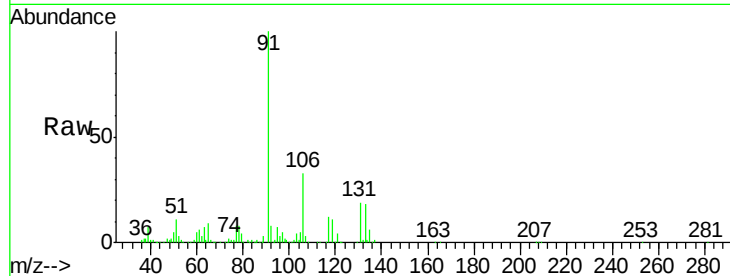
#67
Ethyl Benzene
Concen: 22.271 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.9	24.5	36.7	

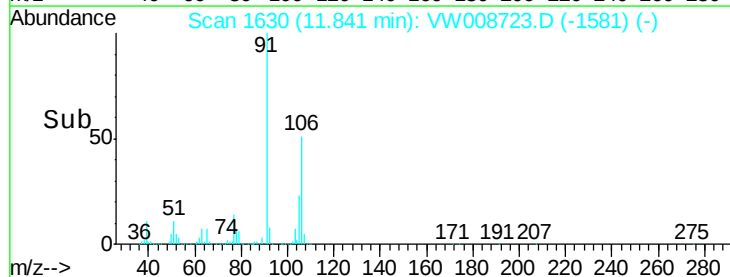
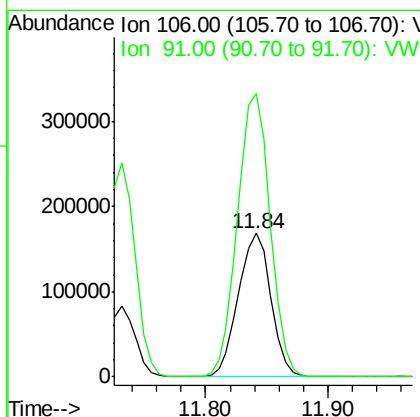
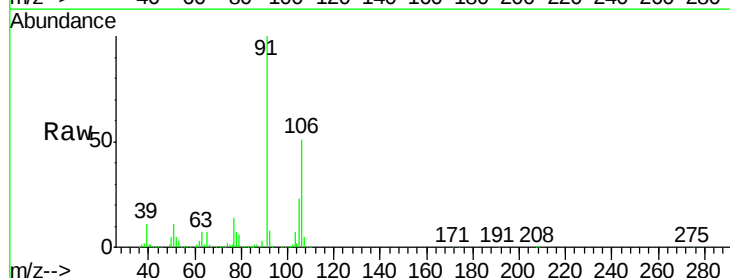
Manual Integrations
APPROVED

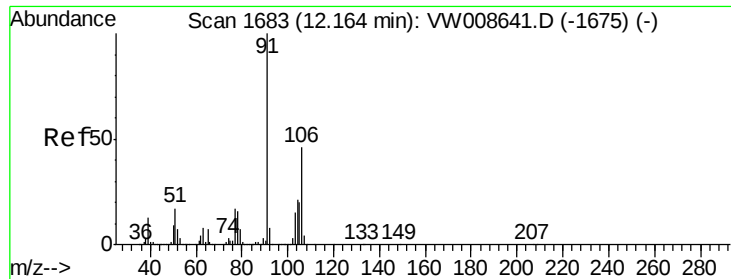
MMDadoda
2/19/2019 11:12:38 AM



#68
m/p-Xylenes
Concen: 44.584 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	198.2	161.0	241.4	





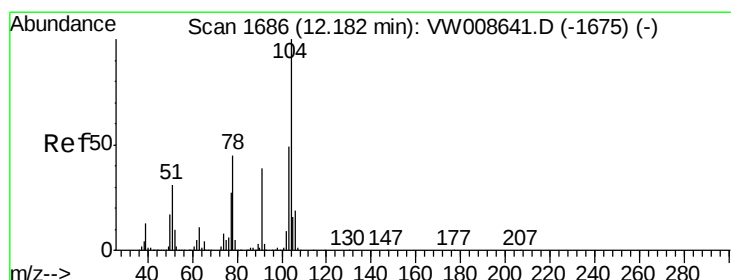
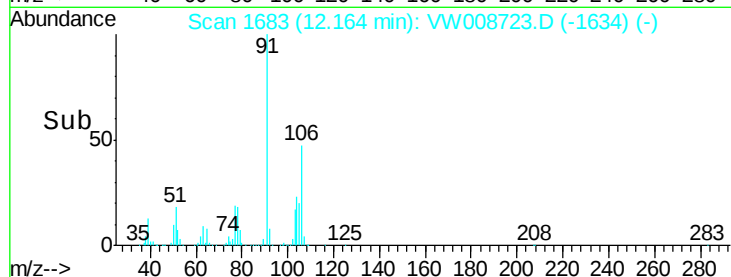
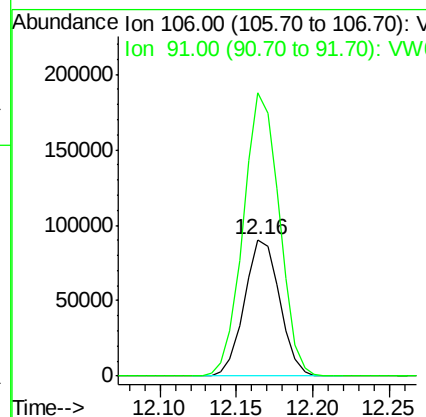
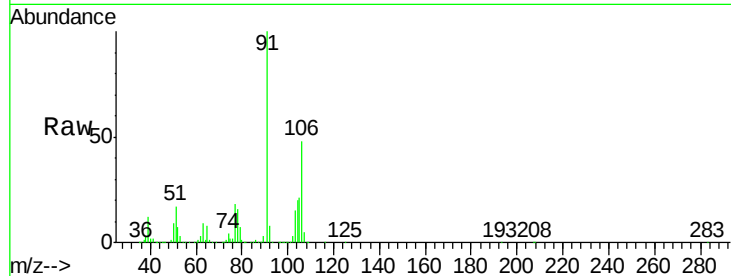
#69
o-Xylene
Concen: 21.974 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	145481		
91	91	211.3	106.7	320.1	

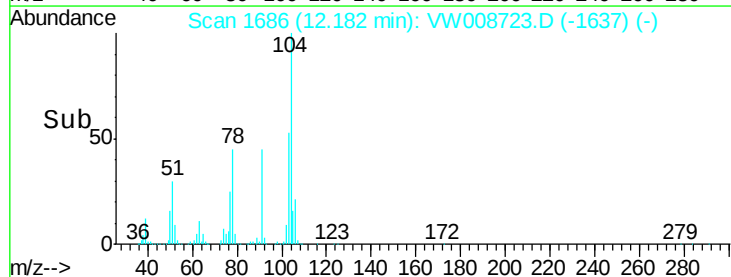
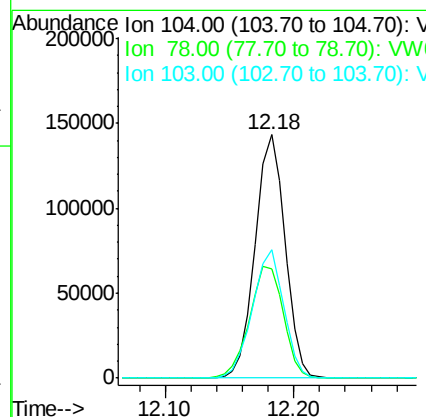
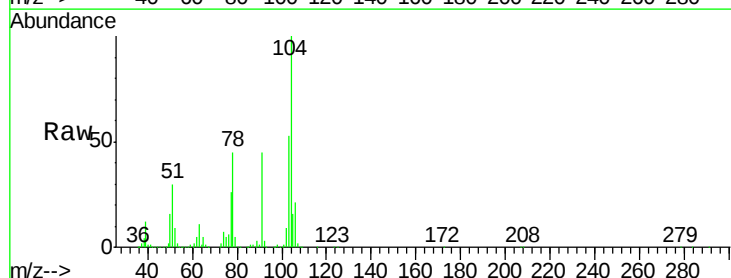
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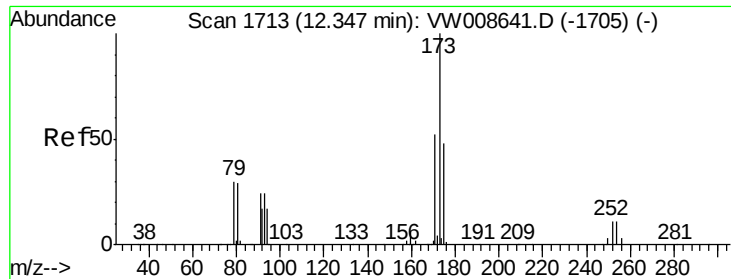
MMDadoda
2/19/2019 11:12:38 AM



#70
Styrene
Concen: 21.248 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	229763		
78	78	52.1	41.5	62.3	
103	103	55.4	43.5	65.3	





#71

Bromoform

Concen: 21.046 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

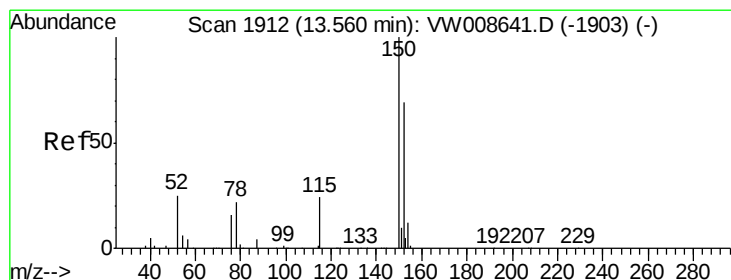
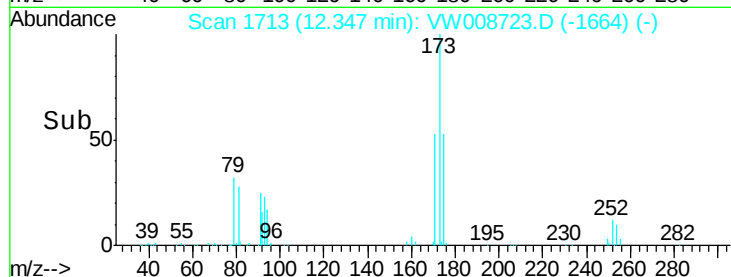
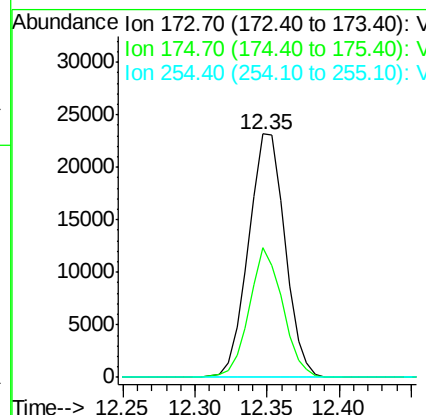
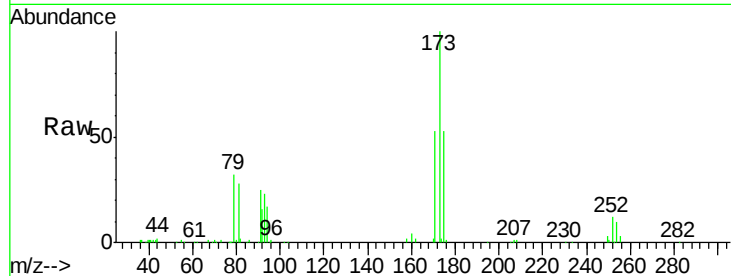
ClientSampleId :

VW0218SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.9	74.7
254	0.0	0.1	0.1#

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2/19/2019 11:12:38 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

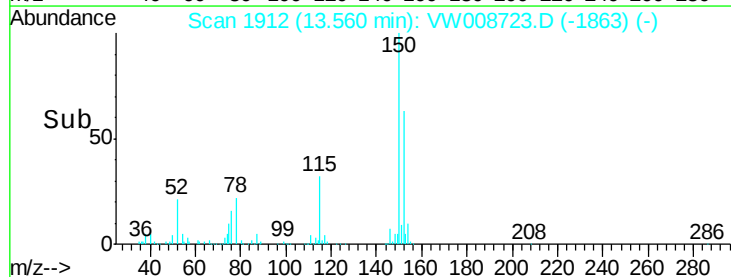
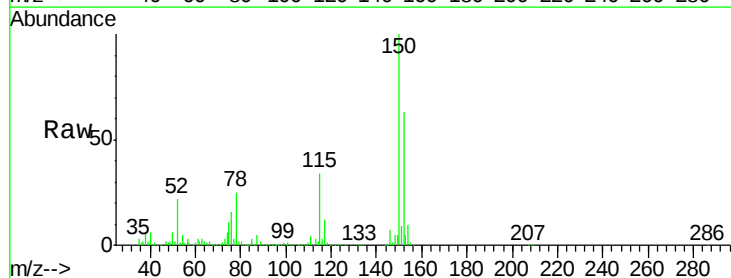
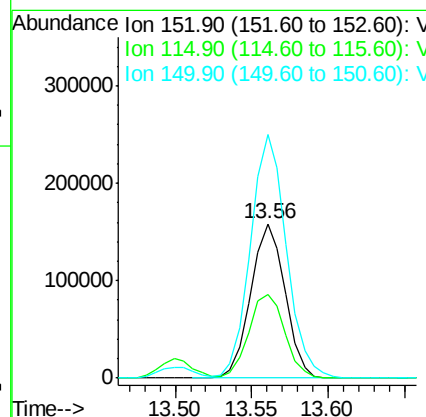
RT: 13.56 min Scan# 1912

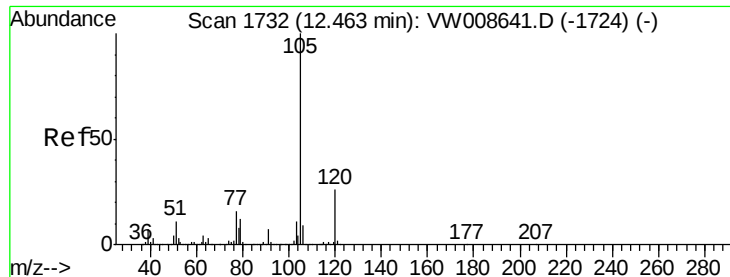
Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	29.3	87.8
150	165.0	0.0	352.8





#73

Isopropylbenzene

Concen: 22.142 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 105 Resp: 408467

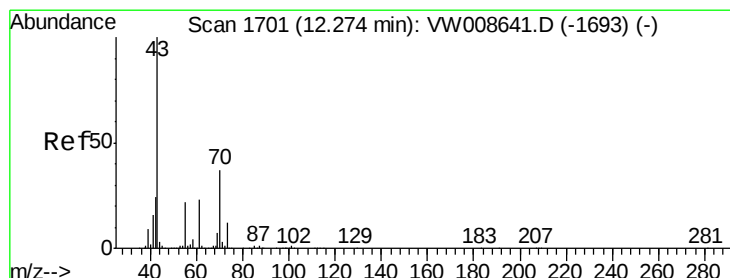
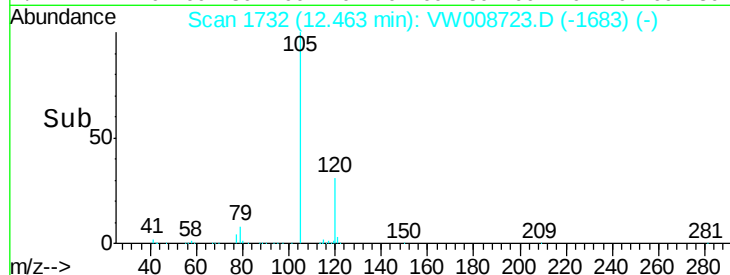
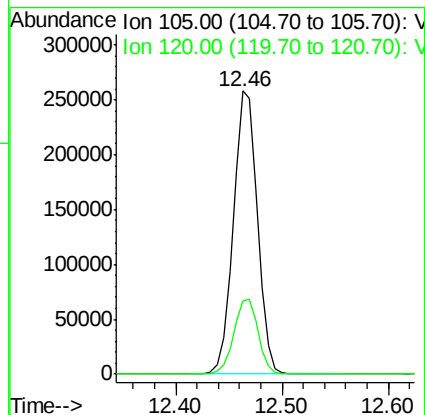
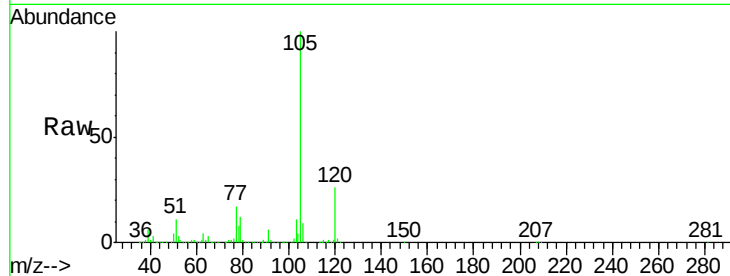
Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 18.585 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion: 43 Resp: 92715

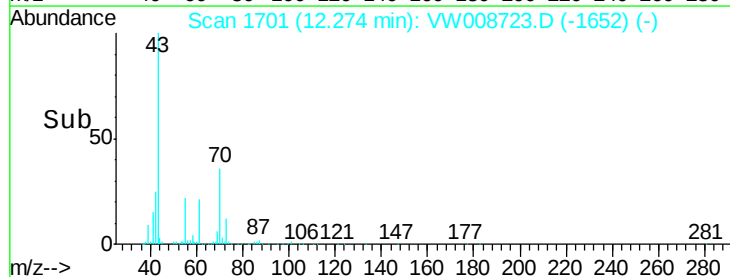
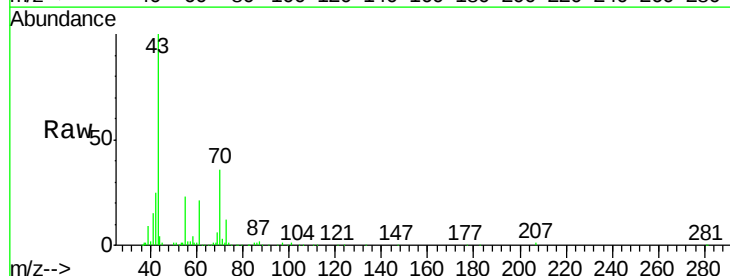
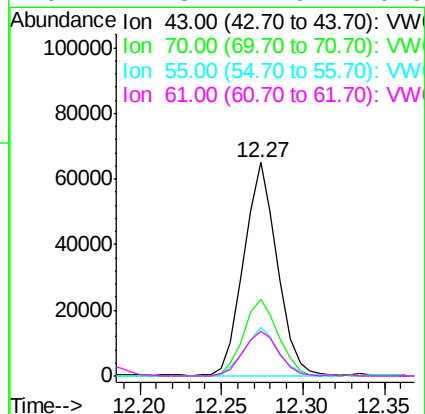
Ion Ratio Lower Upper

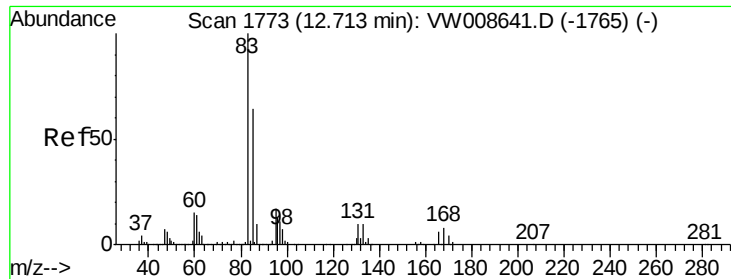
43 100

70 38.4 30.5 45.7

55 23.5 17.6 26.4

61 22.3 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.204 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

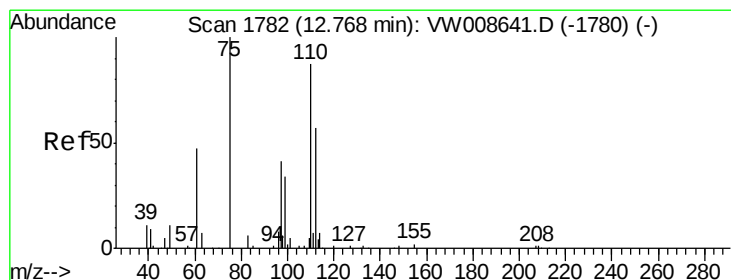
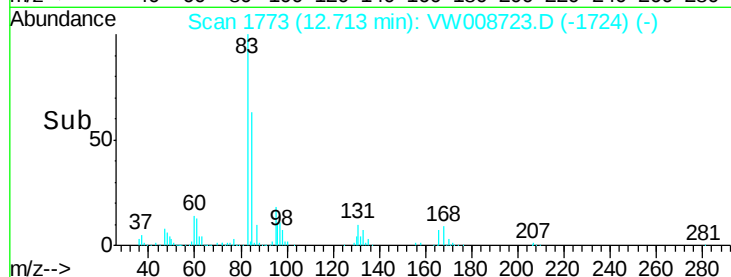
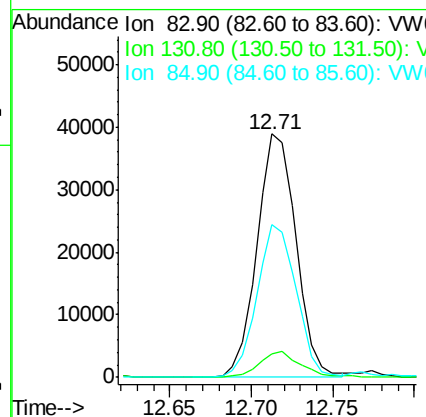
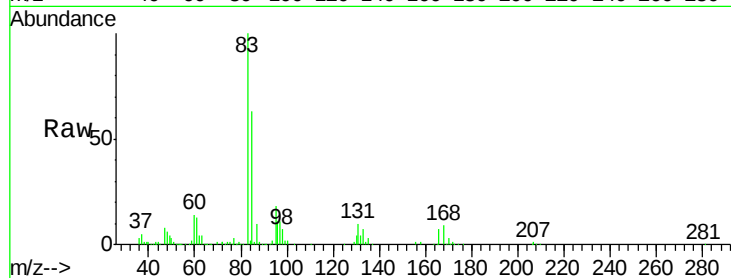
ClientSampleId :

VW0218SBS01

Tot Ion:	83	Resp:	64849
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	63.5	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.497 ug/l m

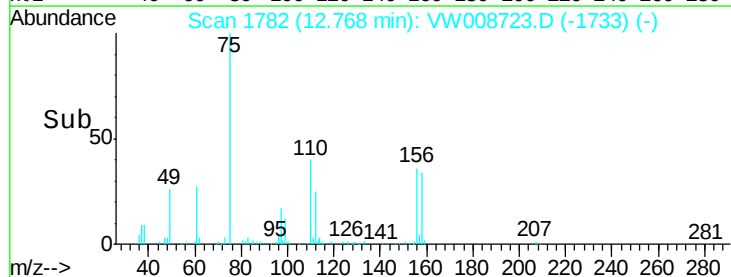
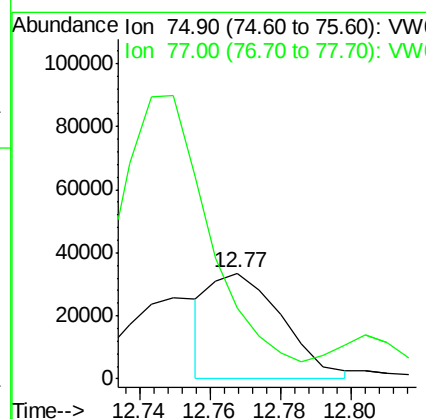
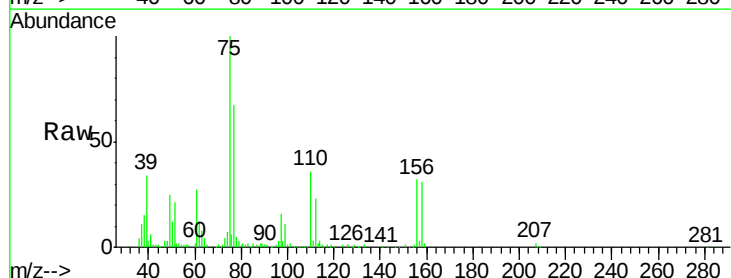
RT: 12.77 min Scan# 1782

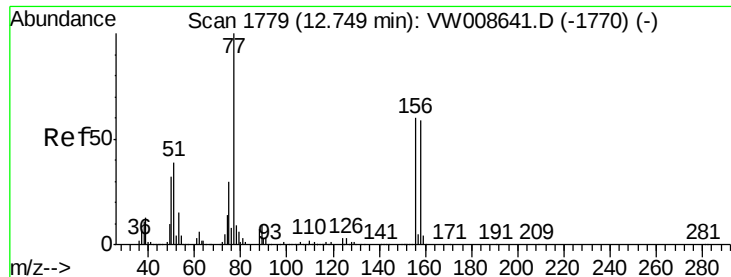
Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion:	75	Resp:	47681
Ion Ratio	Lower	Upper	
75	100		
77	348.1	0.0	0.0#





#77

Bromobenzene

Concen: 22.080 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

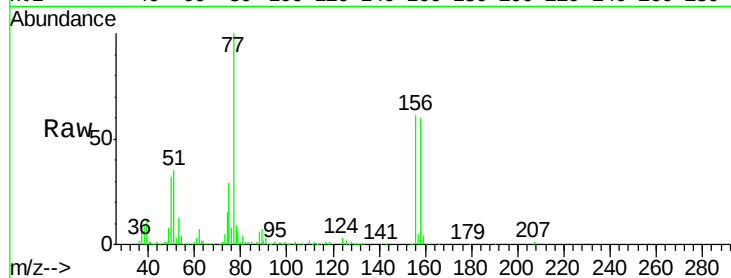
ClientSampleId :

VW0218SBS01

Tot Ion:	156	Resp:	93632
Ion Ratio	Lower	Upper	
156	100		
77	177.3	93.2	279.5
158	96.6	48.5	145.5

Manual Integrations
APPROVED

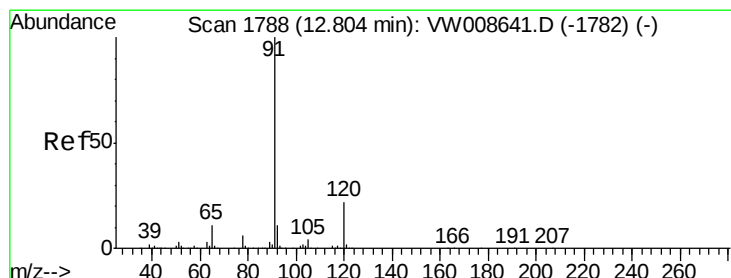
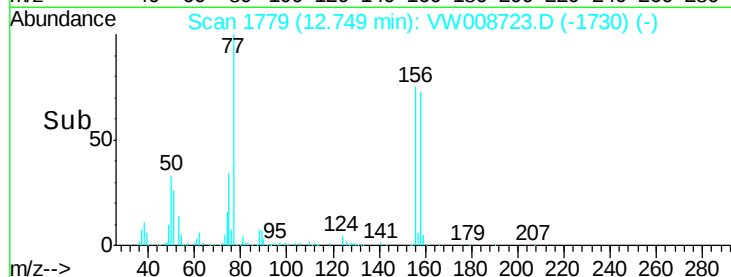
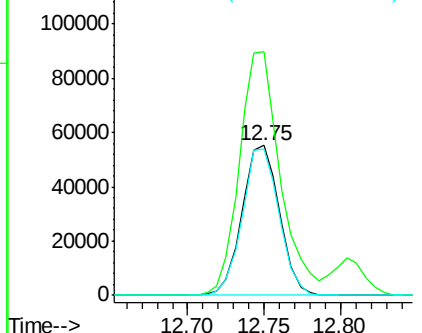
MMDadoda
2/19/2019 11:12:38 AM



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: 22.467 ug/l

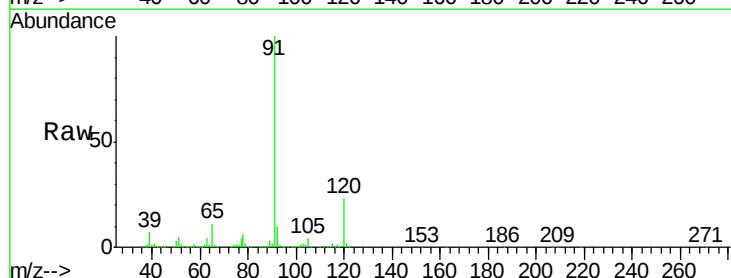
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008723.D

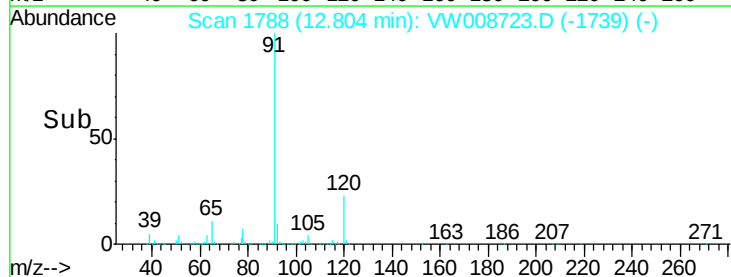
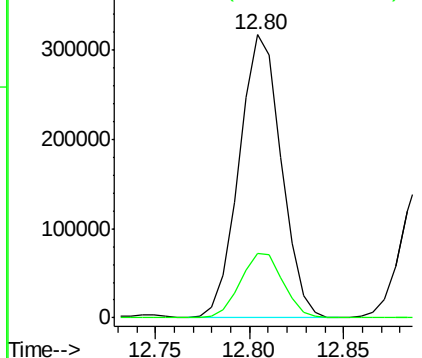
Acq: 18 Feb 2019 12:52

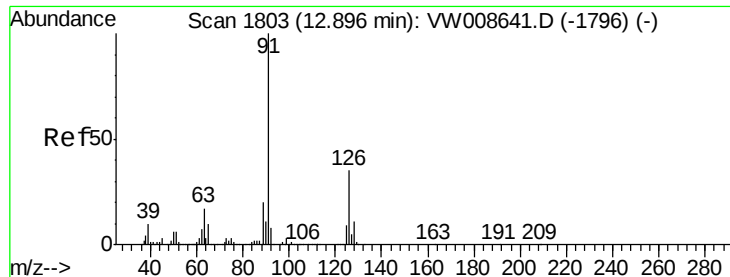
Tgt Ion:	91	Resp:	492454
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.922 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion: 91 Resp: 271569

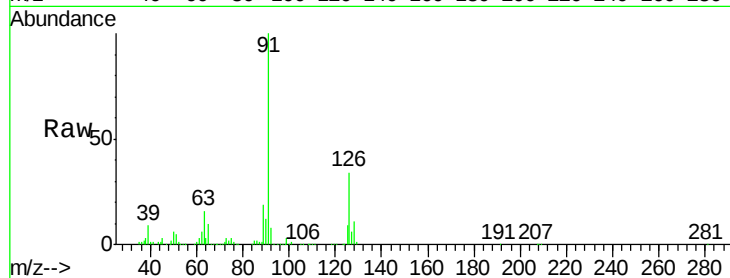
Ion Ratio Lower Upper

91 100

126 34.9 17.0 50.9

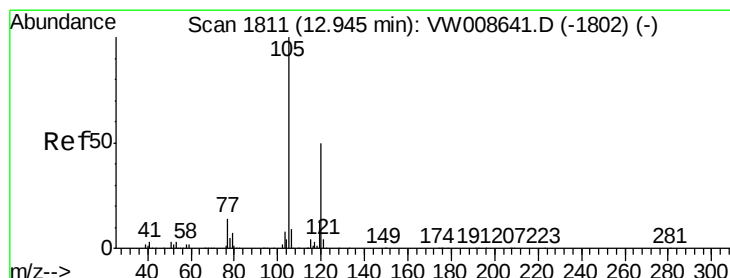
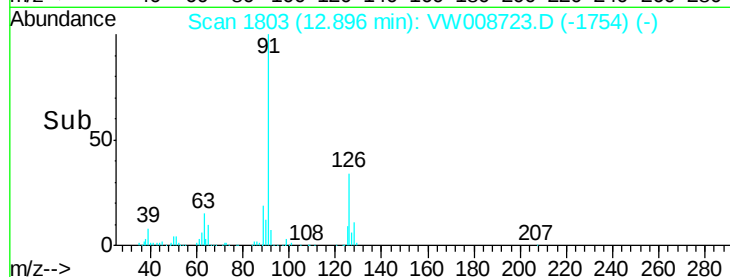
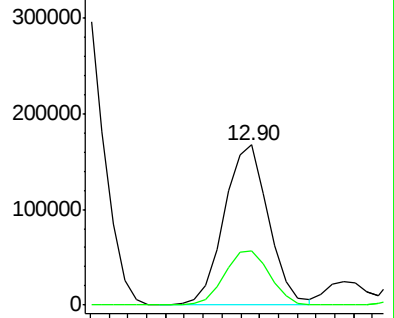
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.469 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008723.D

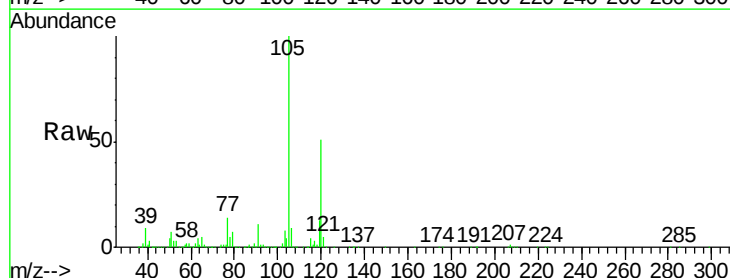
Acq: 18 Feb 2019 12:52

Tgt Ion: 105 Resp: 344295

Ion Ratio Lower Upper

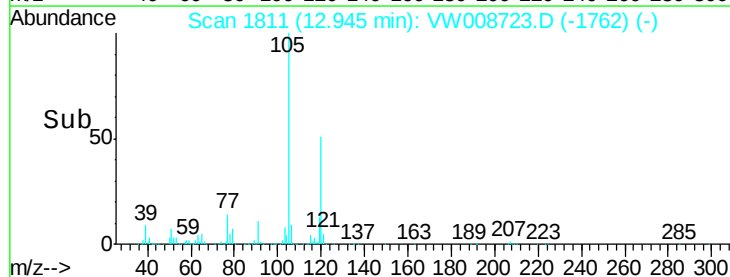
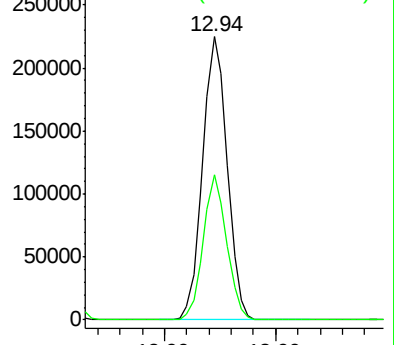
105 100

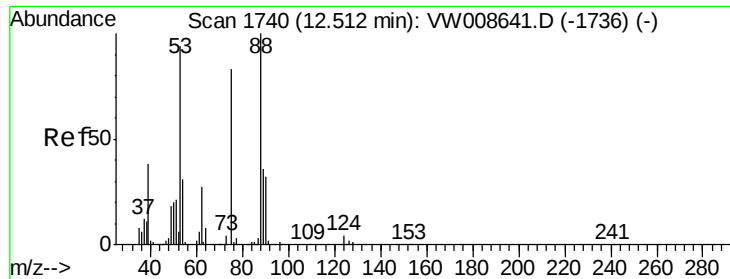
120 48.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





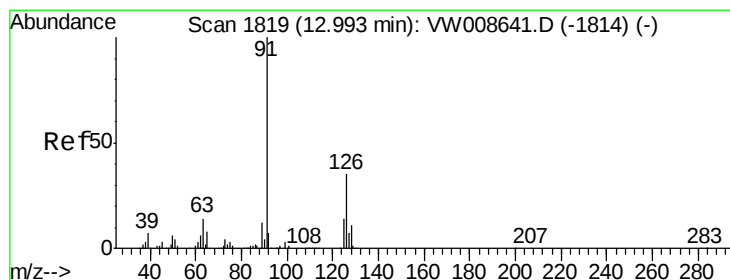
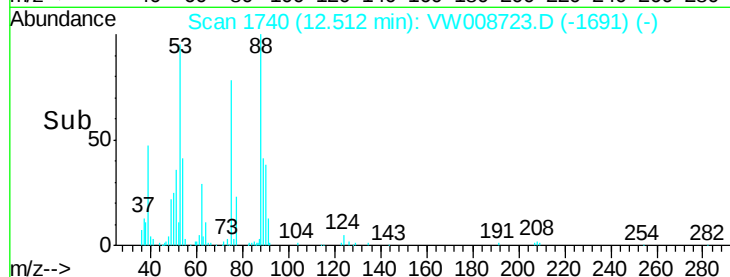
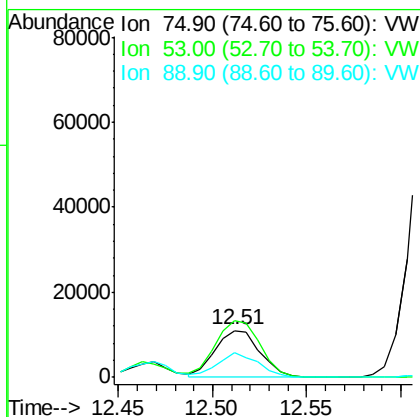
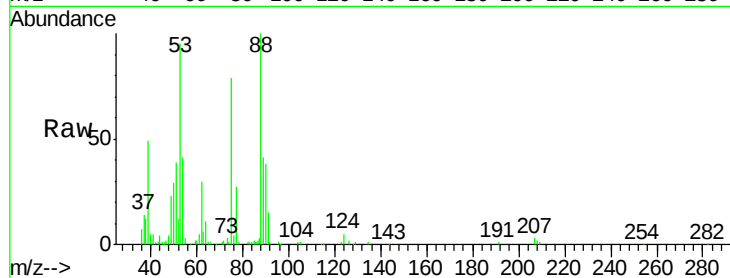
#81
trans-1,4-Dichloro-2-butene
Concen: 17.990 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.8	87.4	131.0
89	48.8	37.0	55.4

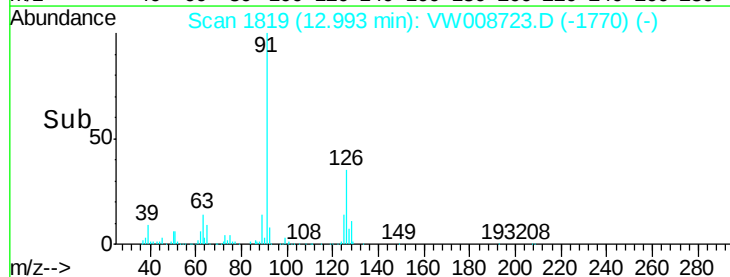
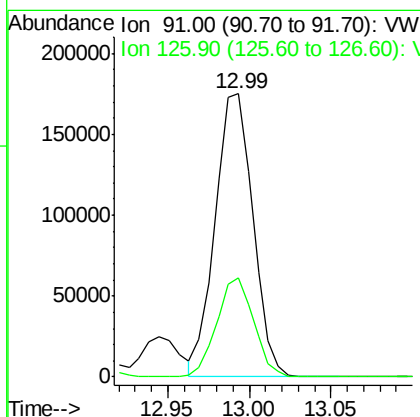
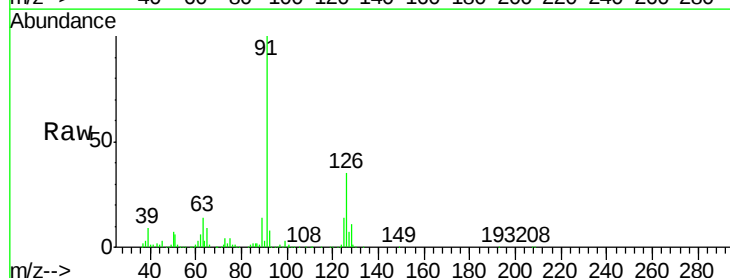
Manual Integrations
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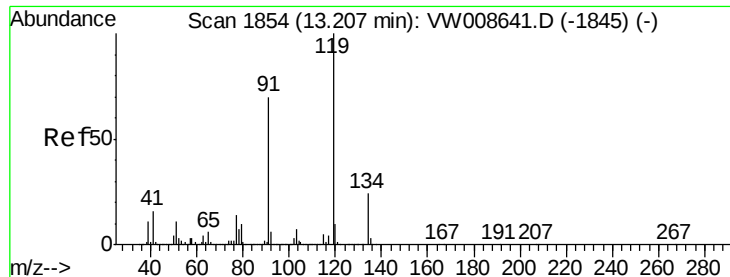
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#82
4-Chlorotoluene
Concen: 21.585 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.9	50.7





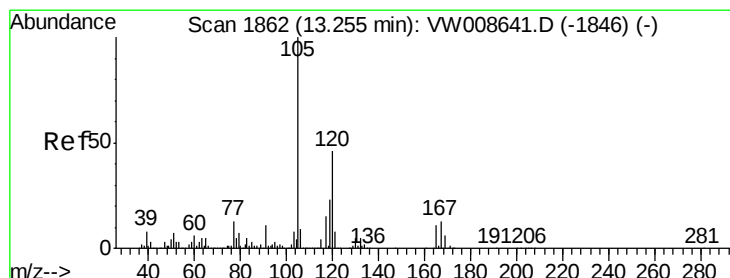
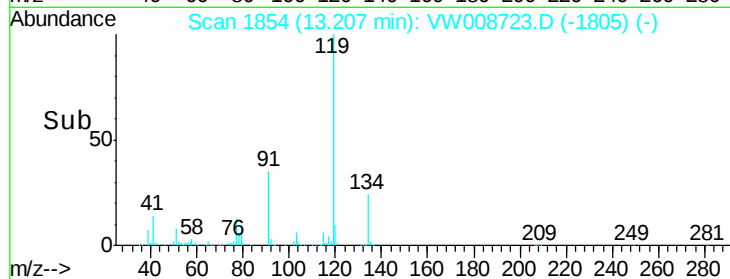
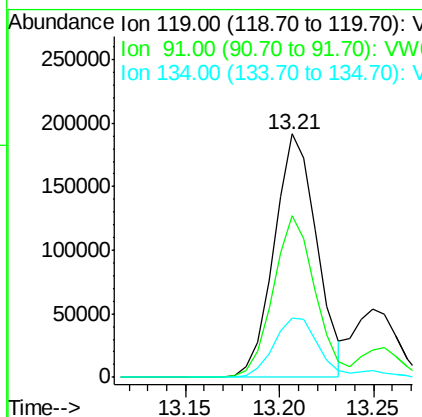
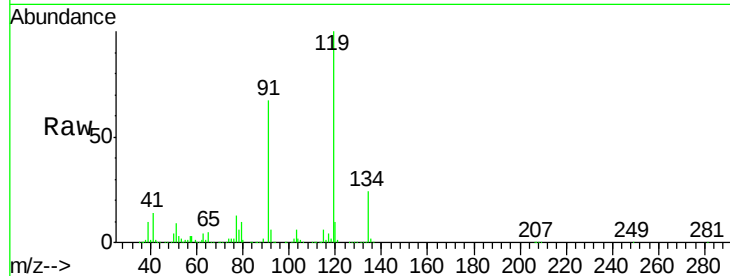
#83
tert-Butylbenzene
Concen: 22.539 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	299883		
91	65.6	34.0	102.0	
134	25.3	13.6	40.8	

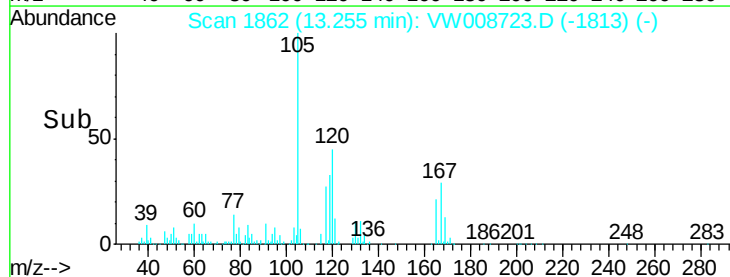
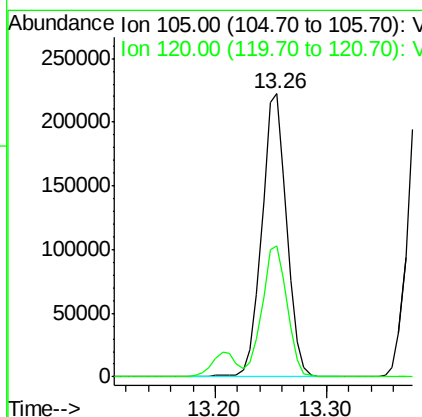
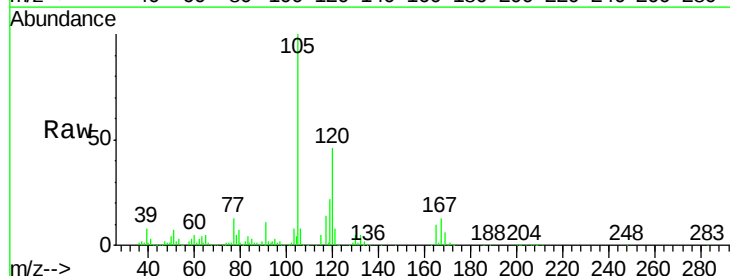
Manual Integrations
APPROVED

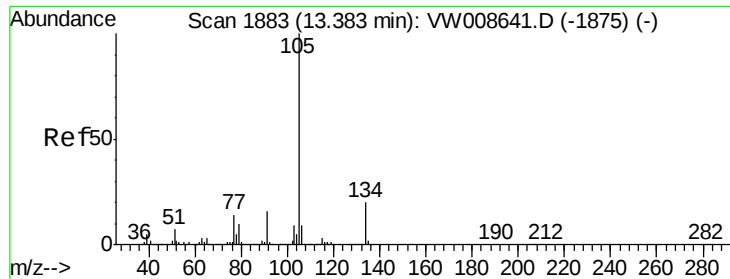
MMDadoda
2/19/2019 11:12:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.955 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	345777		
120	46.5	22.9	68.8	





#85

sec-Butylbenzene

Concen: 22.359 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

ClientSampleId :

VW0218SBS01

Tot Ion:105 Resp: 433177

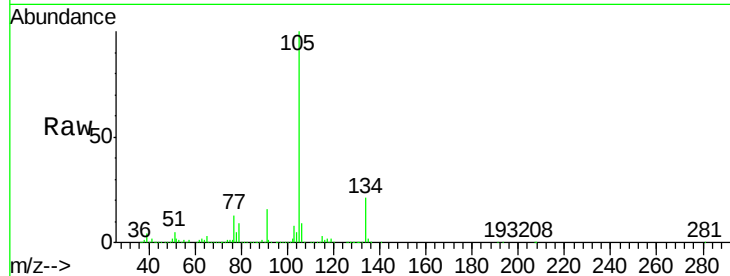
Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8

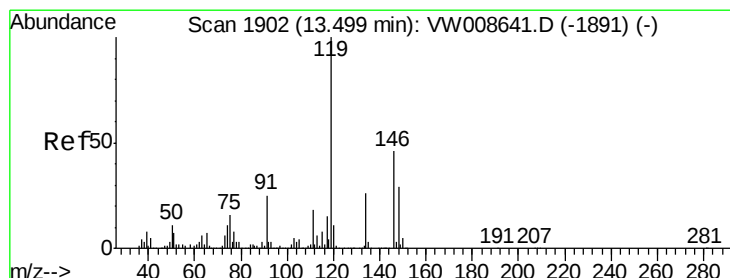
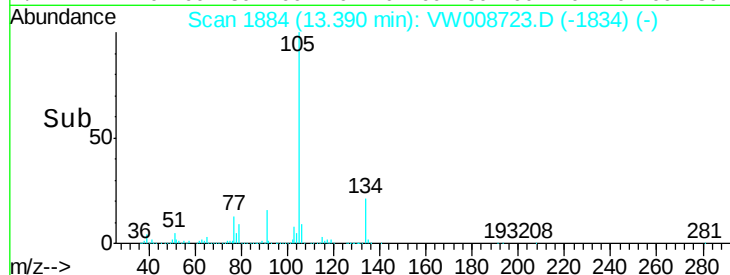
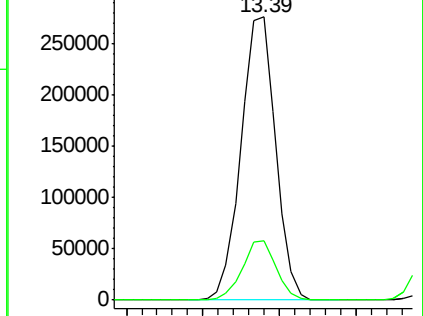
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.067 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

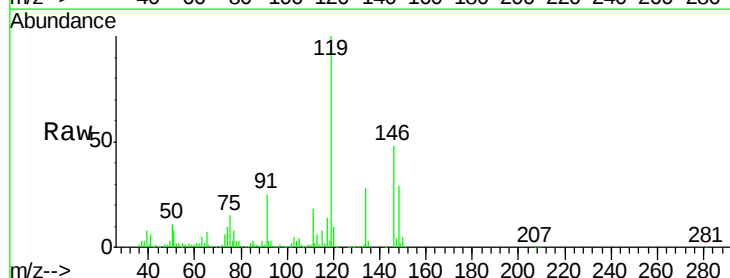
Tgt Ion:119 Resp: 382455

Ion Ratio Lower Upper

119 100

134 27.0 13.0 39.0

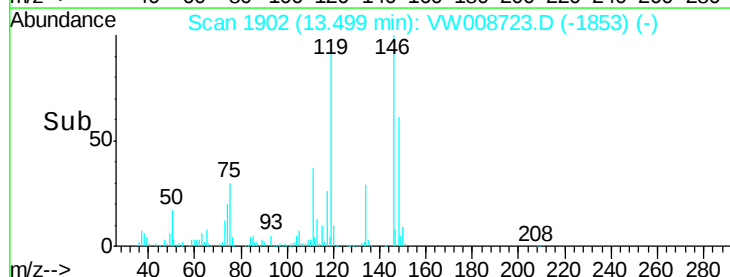
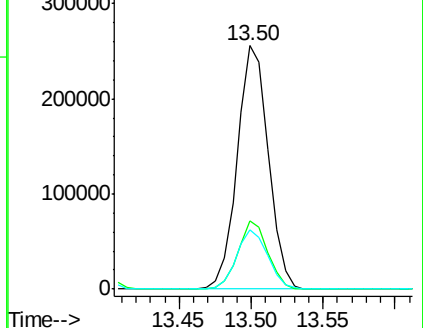
91 24.7 12.3 36.9

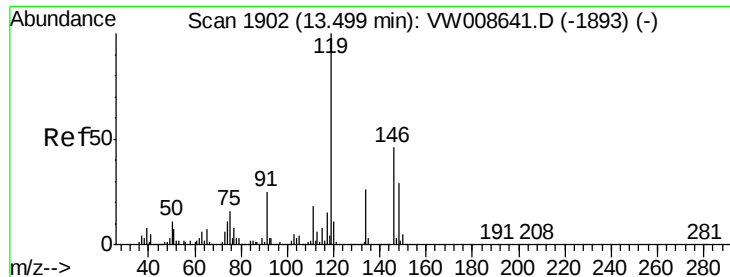


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 22.063 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

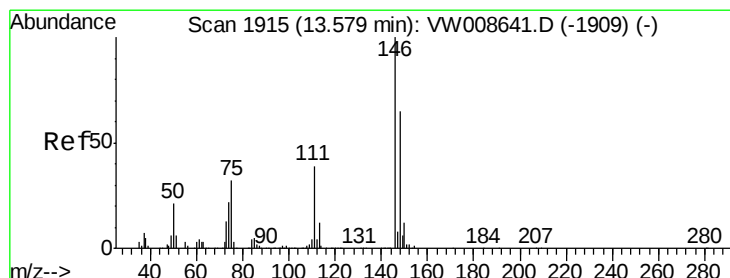
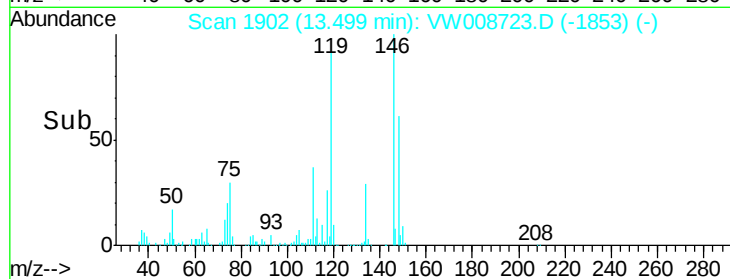
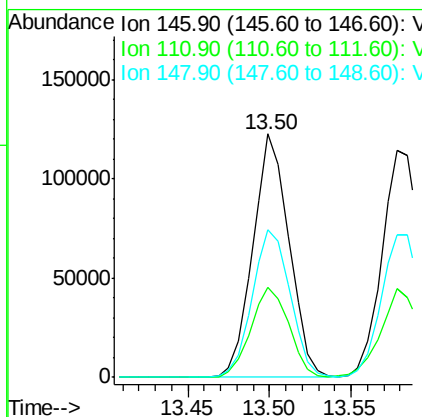
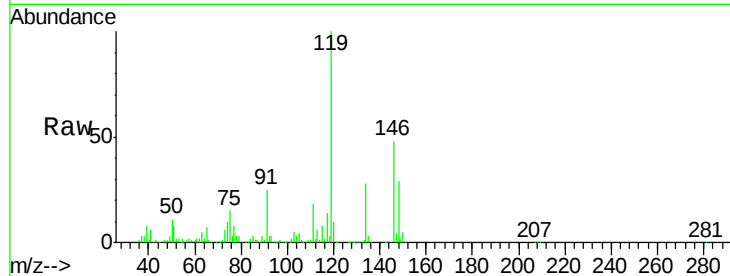
Instrument :
MSVOA_W

ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	189667		
111	38.9	19.4	58.1	
148	63.7	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 22.108 ug/l

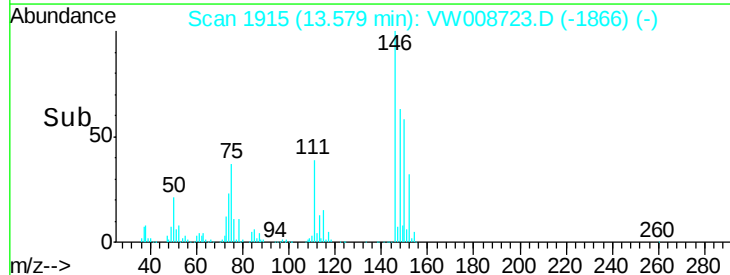
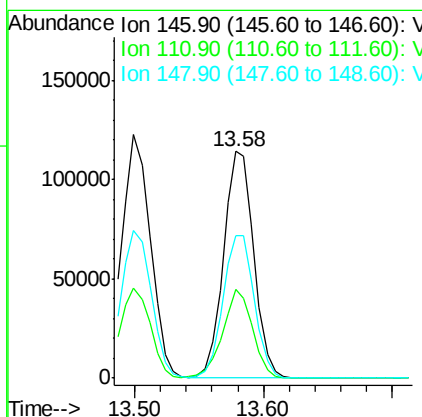
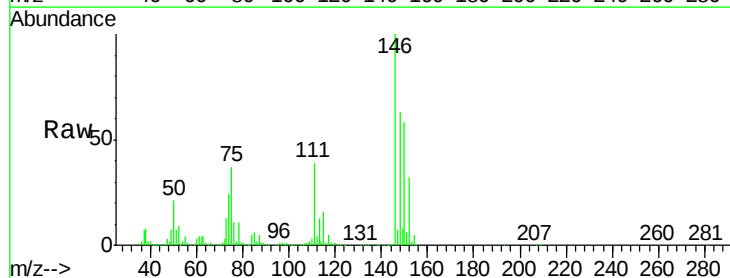
RT: 13.58 min Scan# 1915

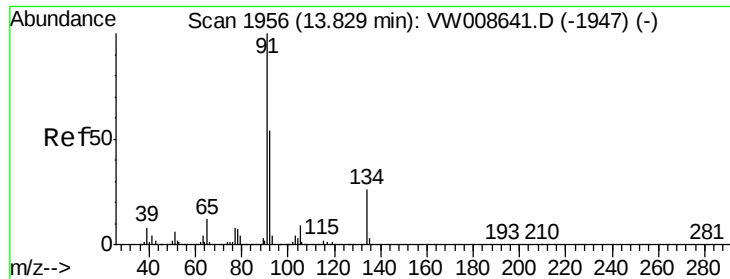
Delta R.T. -0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	187306		
111	39.0	19.4	58.1	
148	65.2	31.8	95.4	





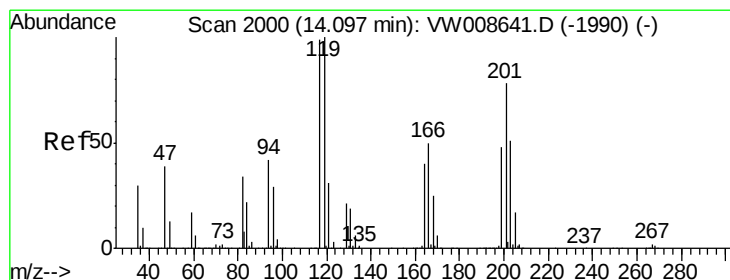
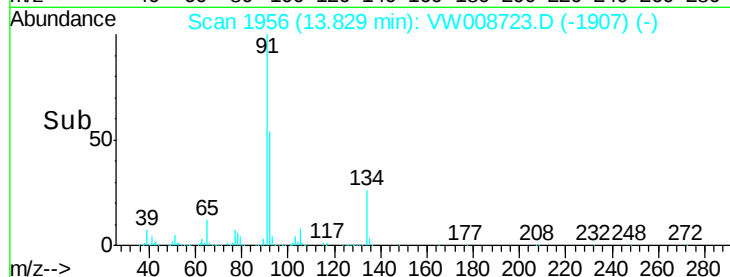
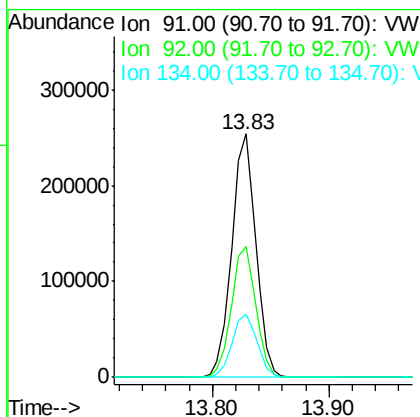
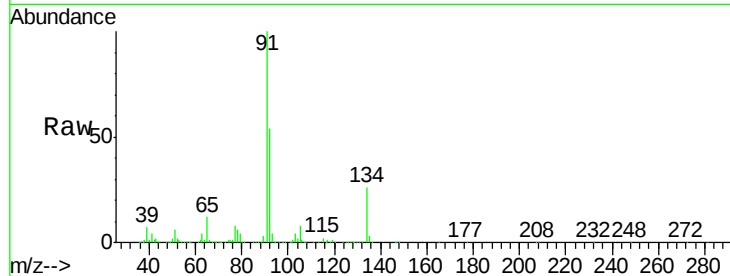
#89
n-Butylbenzene
Concen: 22.316 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.8	80.4
134	26.8	13.0	39.0

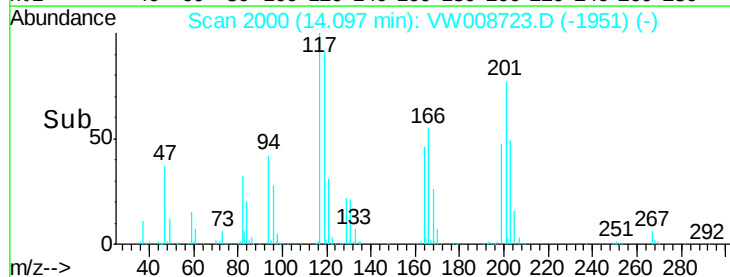
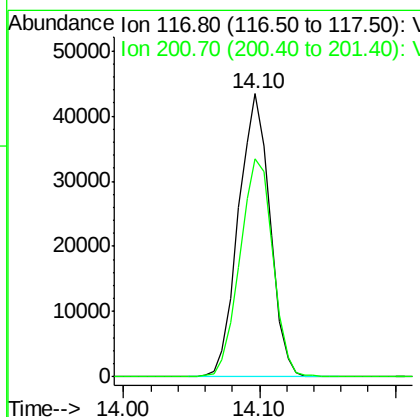
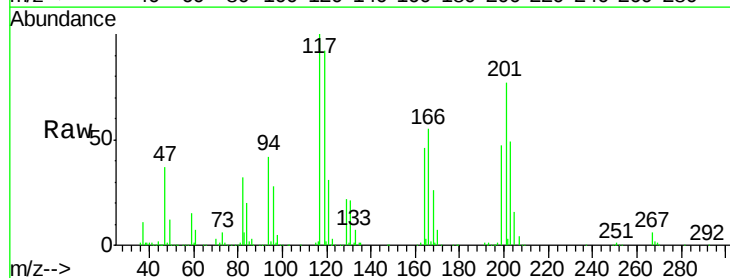
Manual Integrations
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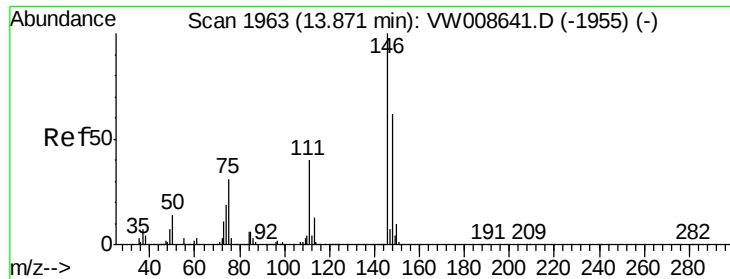
MMDadoda
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#90
Hexachloroethane
Concen: 23.181 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	38.7	116.1





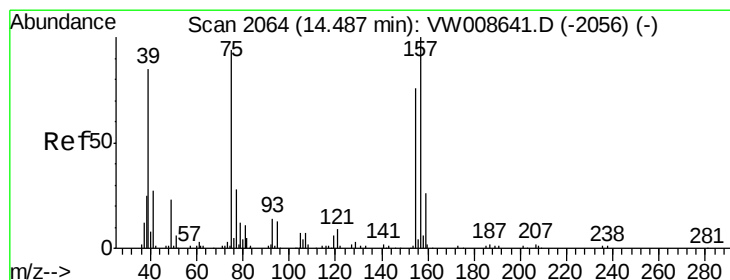
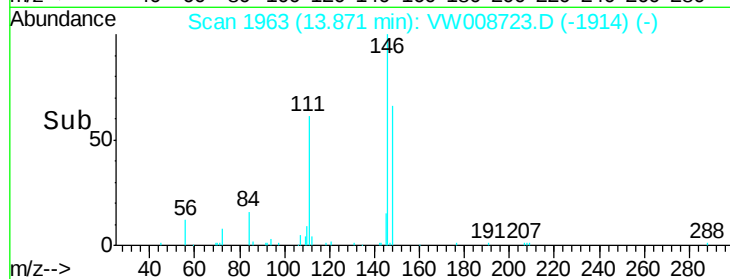
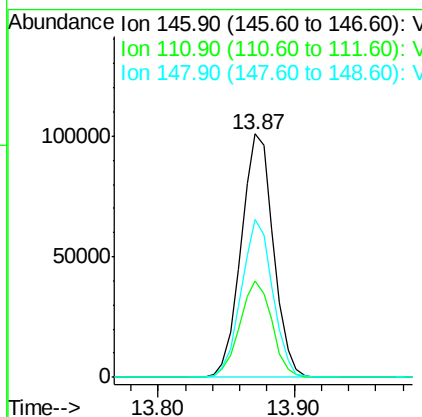
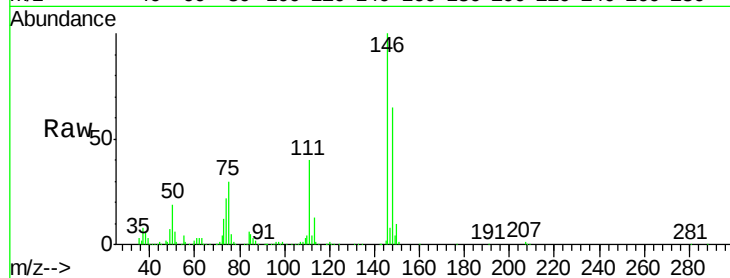
#91
 1,2-Dichlorobenzene
 Concen: 21.873 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0218SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166596		
111	39.5		20.5	61.5
148	63.2		31.6	94.8

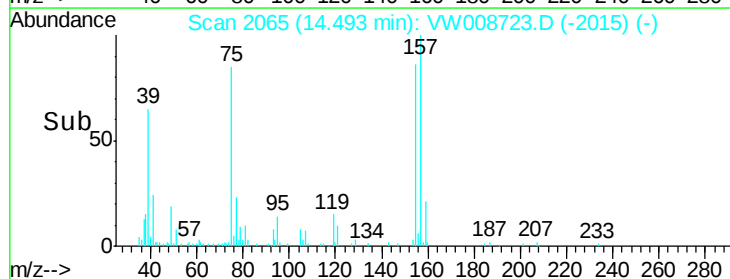
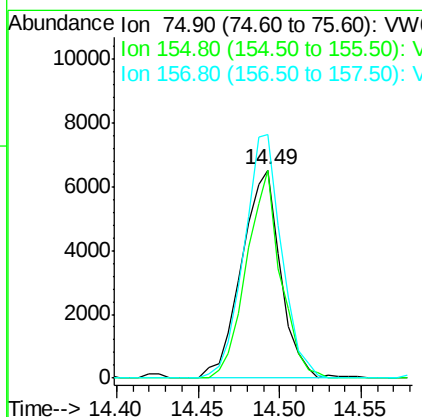
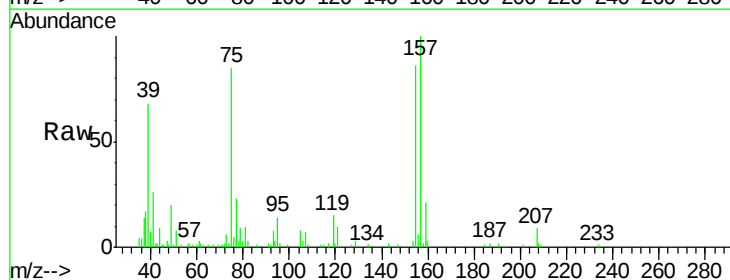
Manual Integrations
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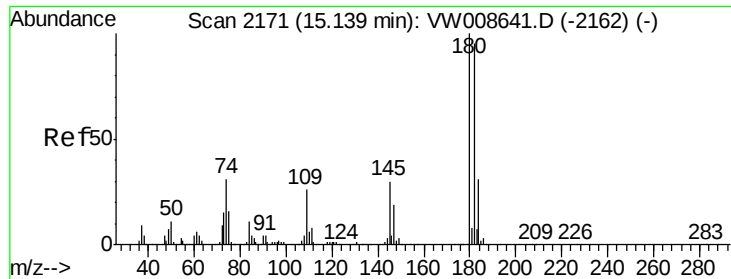
MMDadoda
 2/19/2019 11:12:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.365 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008723.D
 Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10801		
155	87.8		41.8	125.4
157	113.3		53.8	161.4





#93

1,2,4-Trichlorobenzene

Concen: 22.336 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW008723.D

Acq: 18 Feb 2019 12:52

Instrument :

MSVOA_W

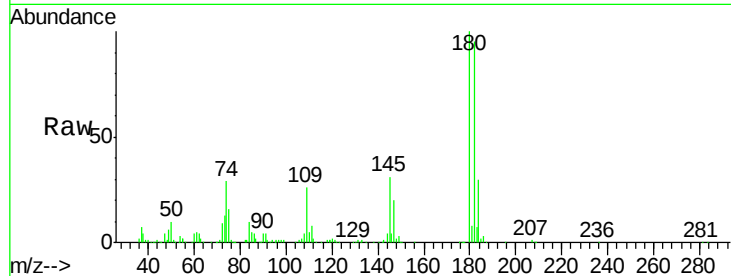
ClientSampleId :

VW0218SBS01

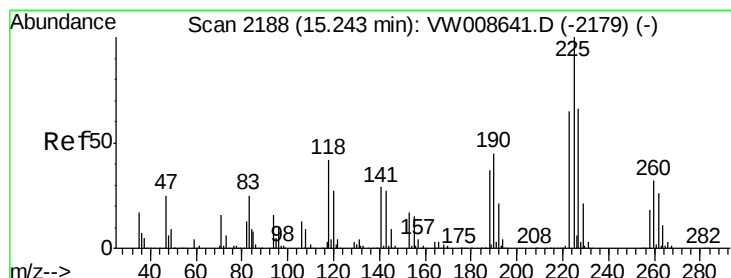
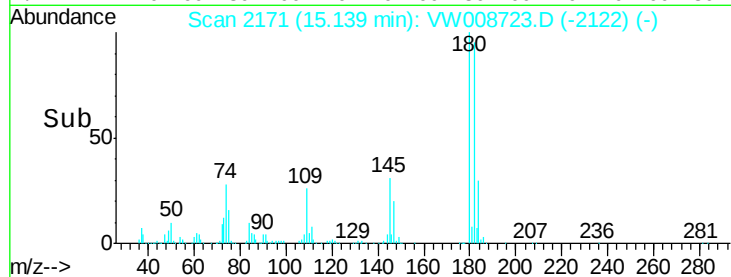
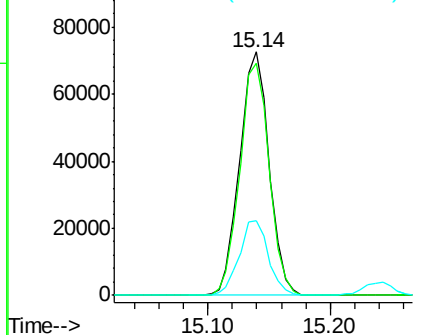
Tot Ion:	180	Resp:	121101
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.5	142.5
145	30.4	15.1	45.3

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



#94

Hexachlorobutadiene

Concen: 24.286 ug/l

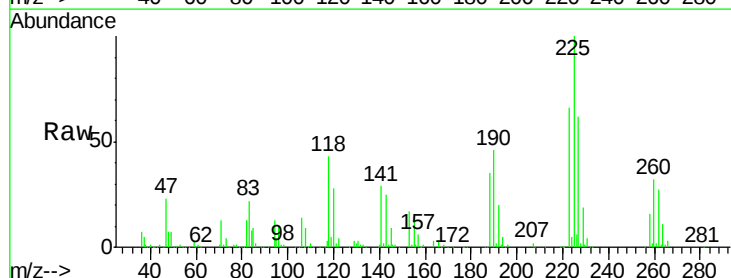
RT: 15.24 min Scan# 2188

Delta R.T. -0.00 min

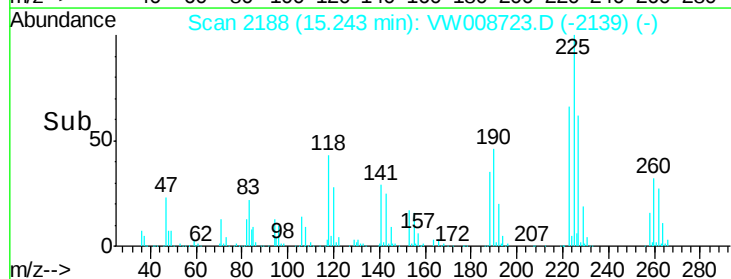
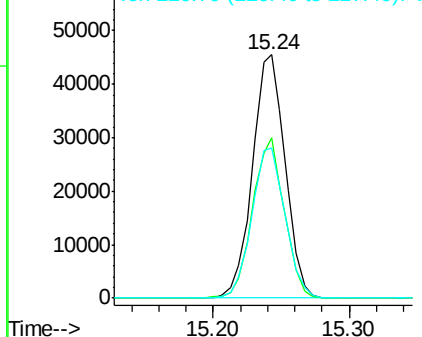
Lab File: VW008723.D

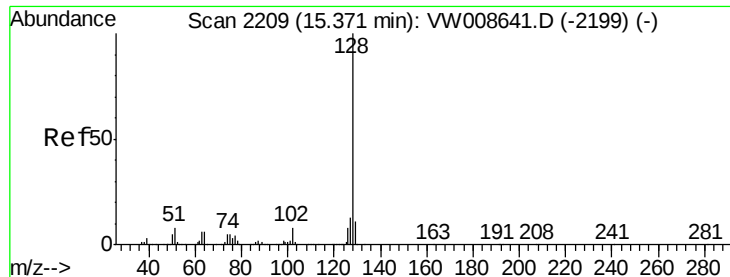
Acq: 18 Feb 2019 12:52

Tgt Ion:	225	Resp:	76644
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.4	94.3
227	63.0	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





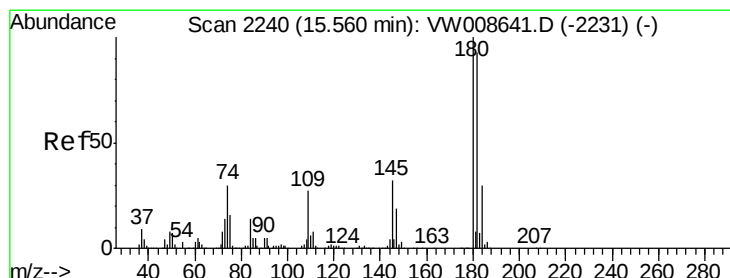
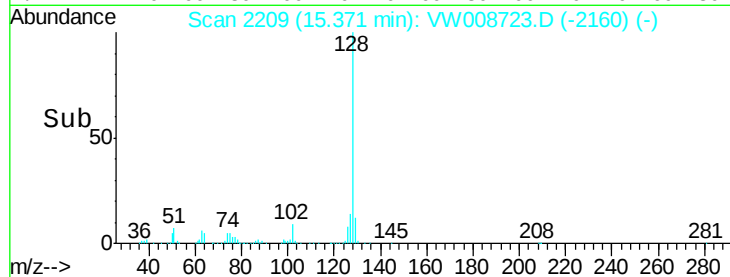
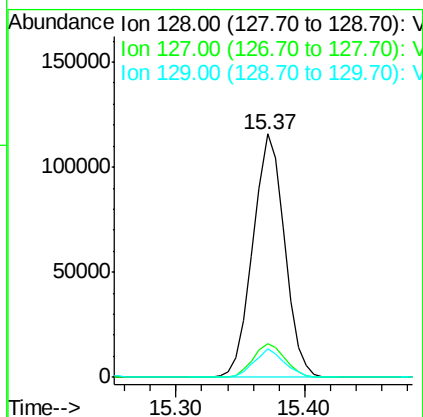
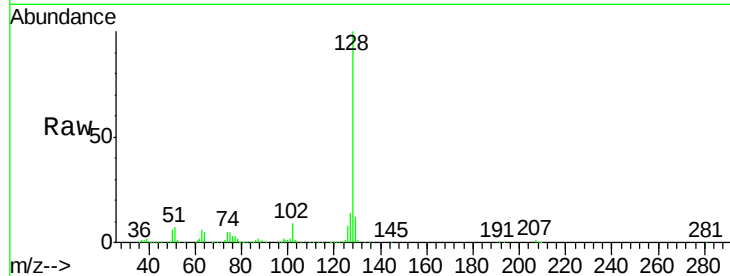
#95
Naphthalene
Concen: 20.242 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Instrument :
MSVOA_W
ClientSampleId :
VW0218SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.9	16.3
129	11.3	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 21.973 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008723.D
Acq: 18 Feb 2019 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.5
145	32.1	15.9	47.7

