

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013305.D
 Acq On : 26 Sep 2019 14:26
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:07 PM

Quant Time: Sep 27 08:29:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	487452	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431652	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	219314	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	141047	24.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
7) Chloroethane-d5	2.89	69	112076	24.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.08%
10) 1,1-Dichloroethene-d2	4.01	63	210072	18.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.44%
20) 2-Butanone-d5	7.07	46	94741	47.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.32%
24) Chloroform-d	7.65	84	251783	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.31	65	142709	24.03	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.12%
29) Benzene-d6	8.27	84	558438	23.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.32%
33) 1,2-Dichloropropane-d6	9.27	67	164359	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	525221	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.20%
38) trans-1,3-Dichloropropene-	10.58	79	73496	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.68%
39) 2-Hexanone-d5	10.93	63	76312	49.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.88%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	144189	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	190487	24.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	4888m	1.602	ug/L	
3) Chloromethane	2.21	50	8484	2.076	ug/L	85
5) Vinyl chloride	2.35	62	11616	2.055	ug/L #	65
6) Bromomethane	2.78	94	7069	1.967	ug/L	98
8) Chloroethane	2.92	64	6431	1.875	ug/L	92
9) Trichlorofluoromethane	3.25	101	5489	1.567	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	12714m	2.296	ug/L	
12) 1,1-Dichloroethene	4.03	96	12263m	2.182	ug/L	
13) Acetone	4.14	43	7816m	4.674	ug/L	
14) Carbon disulfide	4.38	76	30551	1.915	ug/L #	91
15) Methyl Acetate	4.67	43	6274	1.945	ug/L #	82
16) Methylene chloride	4.91	84	19780m	2.716	ug/L	
17) Methyl tert-butyl Ether	5.42	73	19347m	1.991	ug/L	
18) trans-1,2-Dichloroethene	5.42	96	12030	2.002	ug/L	87
19) 1,1-Dichloroethane	6.21	63	20515	1.947	ug/L	95
21) 2-Butanone	7.18	43	10386m	4.312	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	12970	1.981	ug/L	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	6033	2.048	ug/L	91
25) Chloroform	7.68	83	22807	2.202	ug/L	90
27) 1,2-Dichloroethane	8.40	62	14239	2.099	ug/L	94
30) Cyclohexane	7.95	56	20221	1.951	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	16818	2.030	ug/L	98
32) Carbon tetrachloride	8.07	117	16113	2.040	ug/L	99
34) Benzene	8.32	78	49014m	2.025	ug/L	
35) Trichloroethene	9.09	95	13091	2.059	ug/L	98
36) Methylcyclohexane	9.33	83	21401	1.890	ug/L	98
40) 1,2-Dichloropropane	9.37	63	12690	2.131	ug/L	99
41) Bromodichloromethane	9.64	83	14260	1.952	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	17415m	1.831	ug/L	
43) 4-Methyl-2-pentanone	10.21	43	19052	4.180	ug/L	99
44) Toluene	10.38	91	54479	2.068	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	15545m	2.034	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	9394	2.014	ug/L	97
47) Tetrachloroethene	10.86	164	11936	2.087	ug/L	94
49) 2-Hexanone	10.97	43	11960	3.651	ug/L #	92
50) Dibromochloromethane	11.12	129	11155	2.085	ug/L	90
51) 1,2-Dibromoethane	11.24	107	9502	2.073	ug/L #	98
52) Chlorobenzene	11.66	112	34247	2.063	ug/L	98
53) Ethylbenzene	11.73	91	57690	1.975	ug/L	94
54) m,p-Xylene	11.84	106	22286	1.987	ug/L	97
55) o-xylene	12.16	106	20195	1.908	ug/L	98
56) Styrene	12.18	104	34571	1.905	ug/L	98
57) Isopropylbenzene	12.46	105	55504	1.940	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12399	2.157	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	8543	1.992	ug/L	100
62) Bromoform	12.35	173	6885	1.984	ug/L #	93
63) 1,3-Dichlorobenzene	13.50	146	27361	2.027	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	28531	2.092	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	26082	2.124	ug/L	92
66) 1,2-Dibromo-3-chloropropan	14.48	75	2067	2.137	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	20551	1.978	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16099	1.941	ug/L	99
69) Naphthalene	15.36	128	26528	1.674	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	14776	1.959	ug/L #	89

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

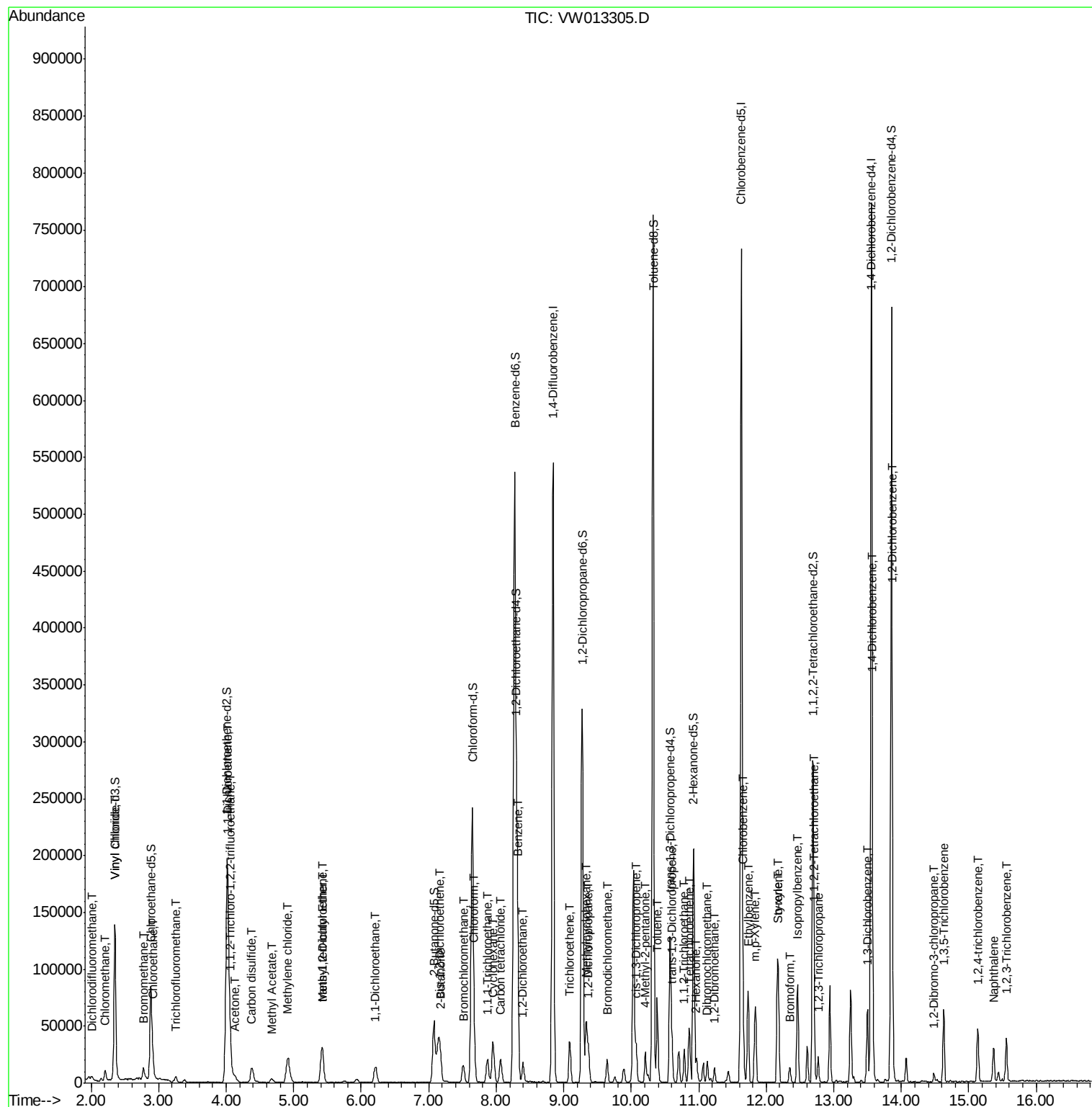
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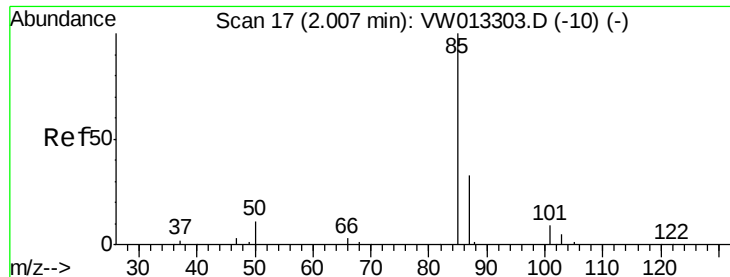
Instrument :
MSVOA_W
ClientSampleId :
MDL01

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#2

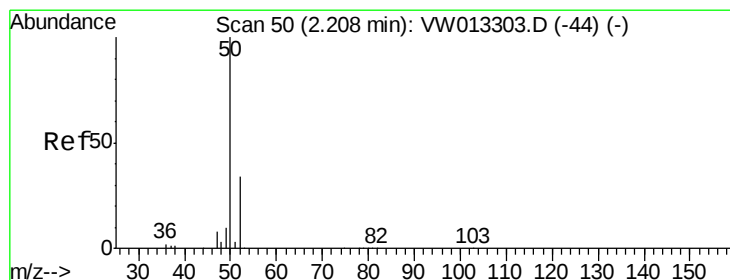
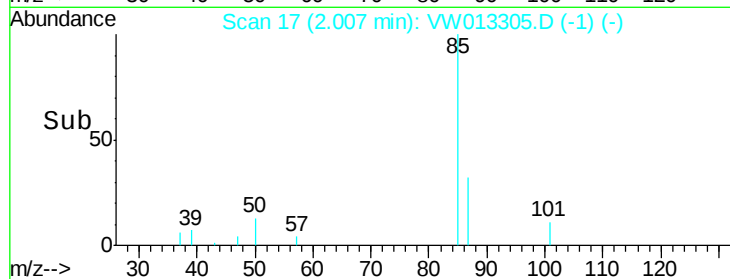
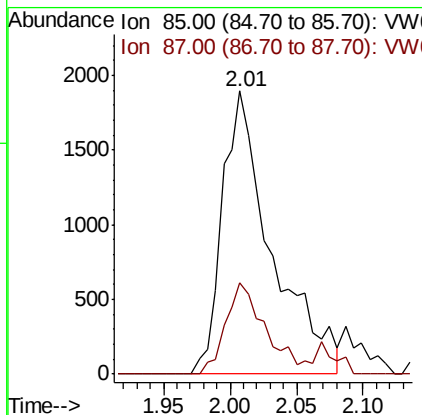
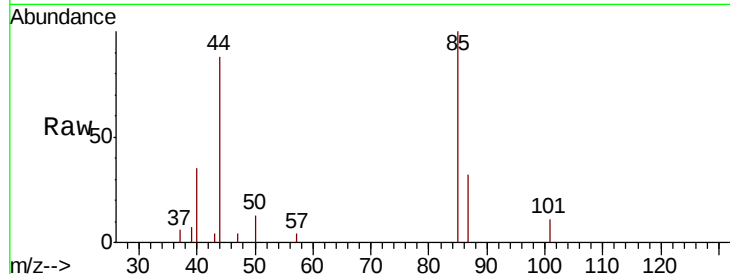
Dichlorodifluoromethane
Concen: 1.602 ug/L m
RT: 2.01 min Scan# 17
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	85	Resp	4888
Ion Ratio	100	Lower	Upper
85	100		
87	23.8	21.3	39.6

Manual Integrations
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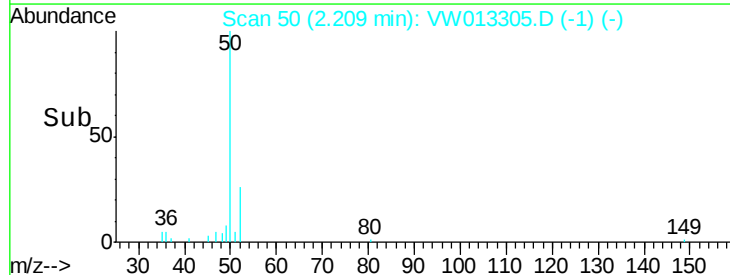
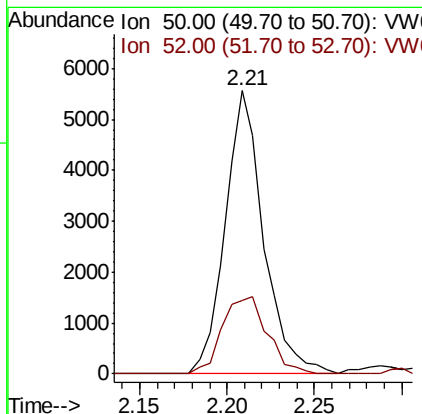
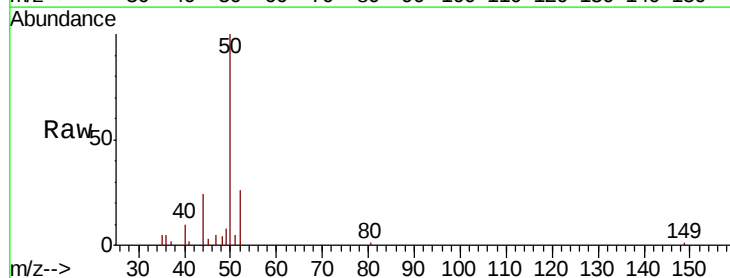
MMDadoda
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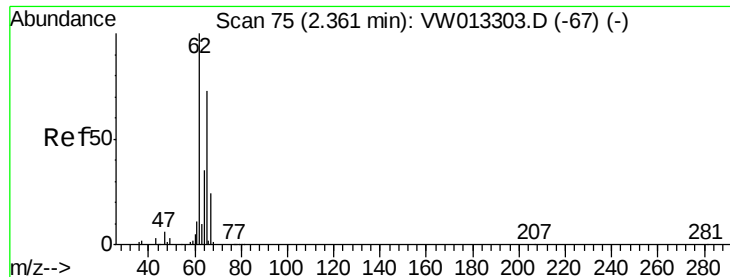


#3

Chloromethane
Concen: 2.076 ug/L
RT: 2.21 min Scan# 50
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	50	Resp	8484
Ion Ratio	100	Lower	Upper
50	100		
52	26.1	24.4	45.4





#5

Vinyl chloride

Concen: 2.055 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 62 Resp: 11616

Ion Ratio Lower Upper

62 100

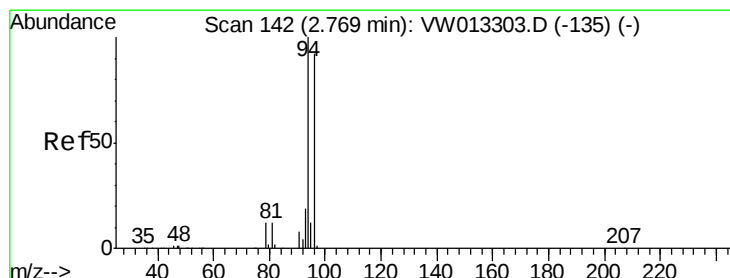
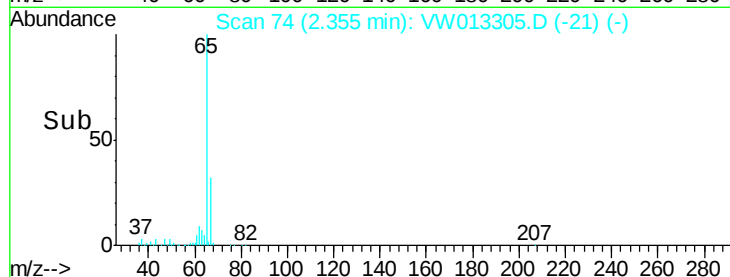
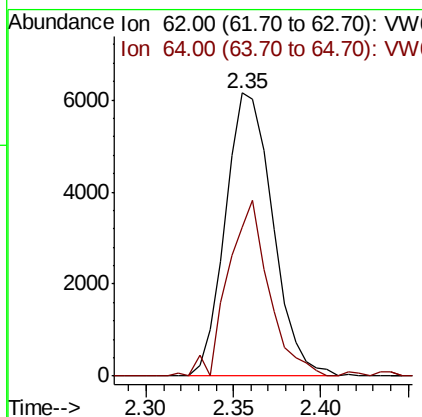
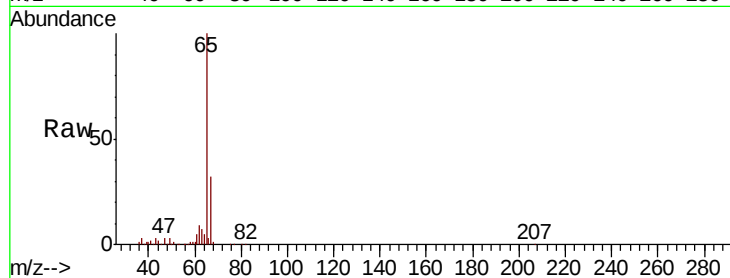
64 52.7 23.2 43.0#

Manual Integrations

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#6

Bromomethane

Concen: 1.967 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013305.D

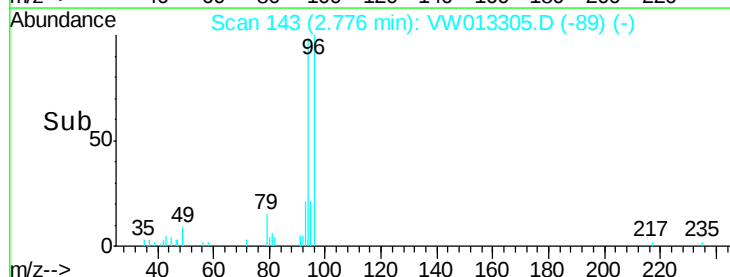
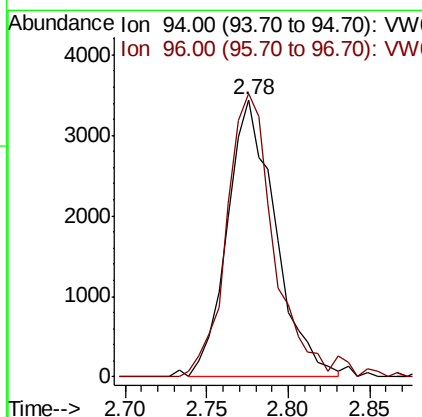
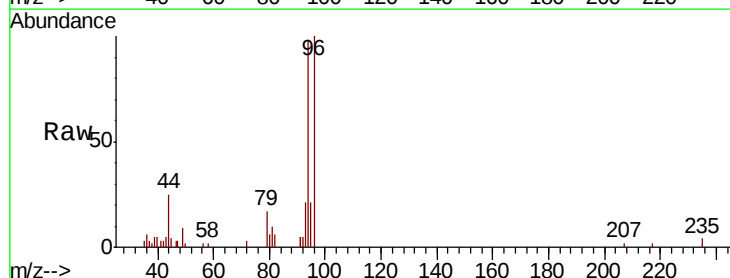
Acq: 26 Sep 2019 14:26

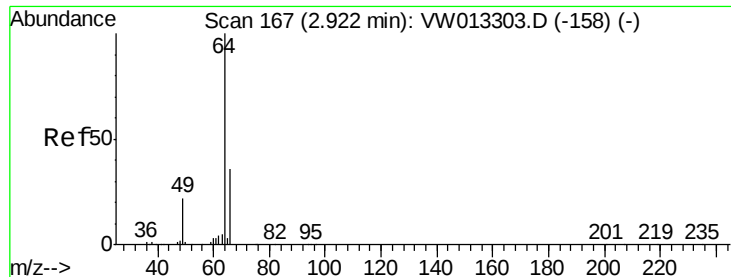
Tgt Ion: 94 Resp: 7069

Ion Ratio Lower Upper

94 100

96 99.1 9.7 184.3





#8

Chloroethane

Concen: 1.875 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 64 Resp: 6431

Ion Ratio Lower Upper

64 100

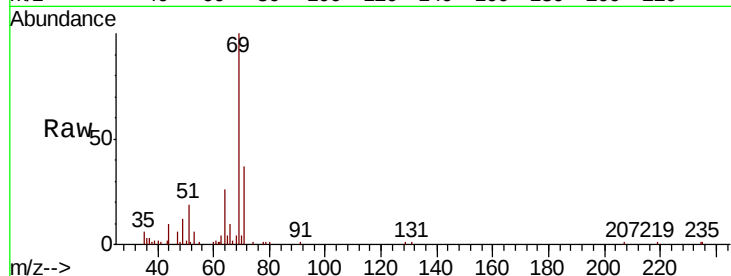
66 37.0 22.7 42.1

Manual Integrations

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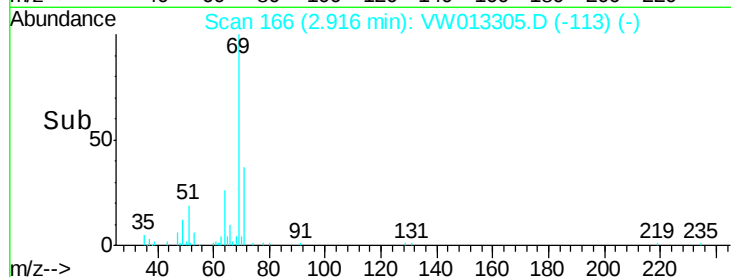
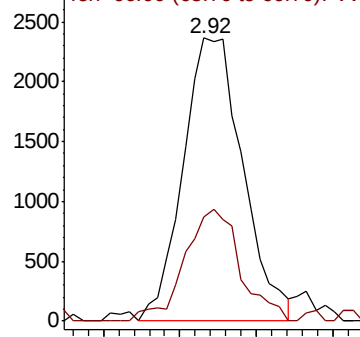
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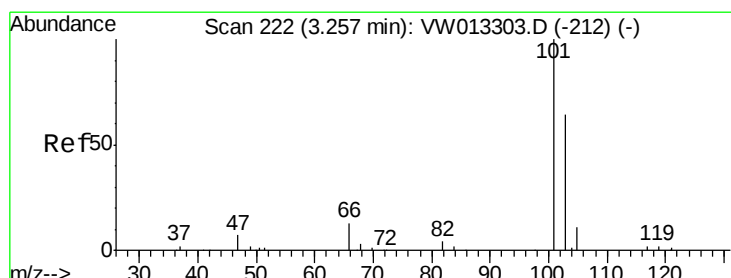


Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



Time-->



#9

Trichlorofluoromethane

Concen: 1.567 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW013305.D

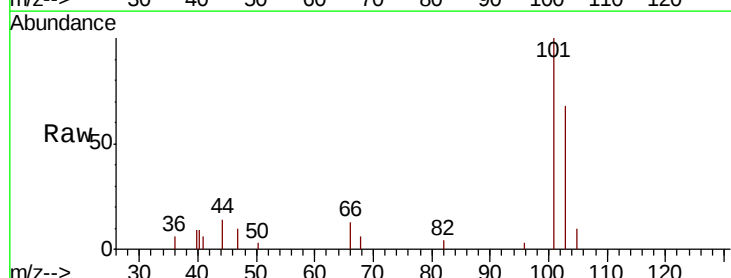
Acq: 26 Sep 2019 14:26

Tgt Ion: 101 Resp: 5489

Ion Ratio Lower Upper

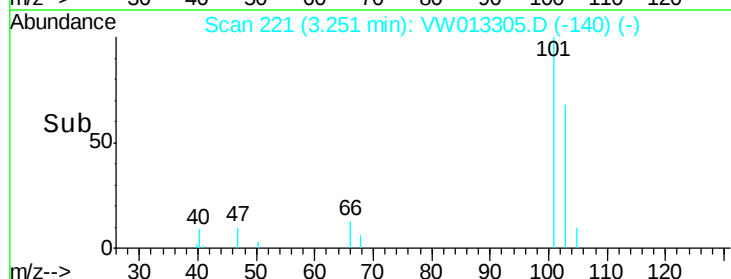
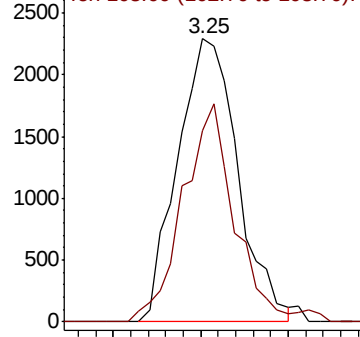
101 100

103 65.2 45.2 84.0

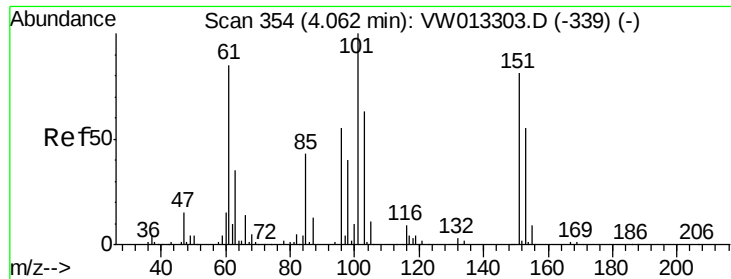


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



Time-->



#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.296 ug/L m

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

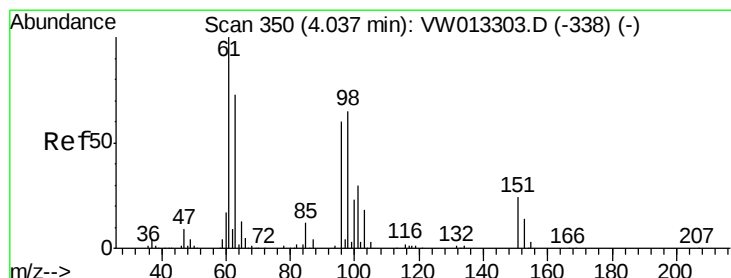
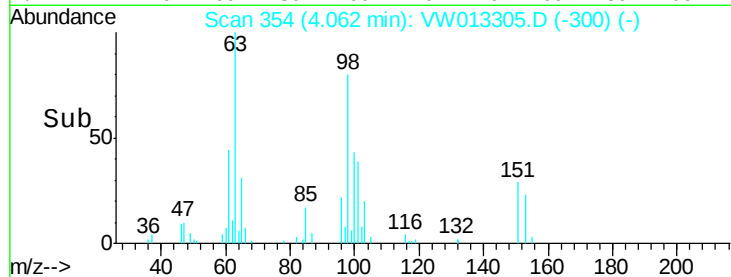
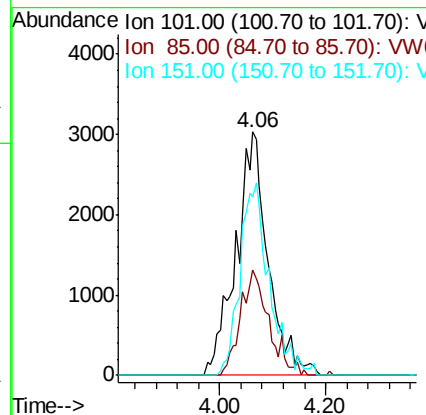
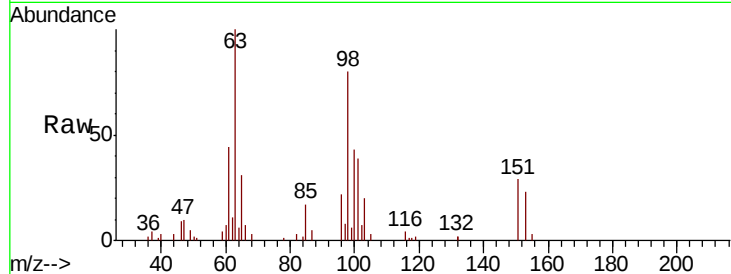
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	12714
Ion Ratio	Lower	Upper	
101	100		
85	34.7	31.8	47.8
151	40.1	65.4	98.0#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.182 ug/L m

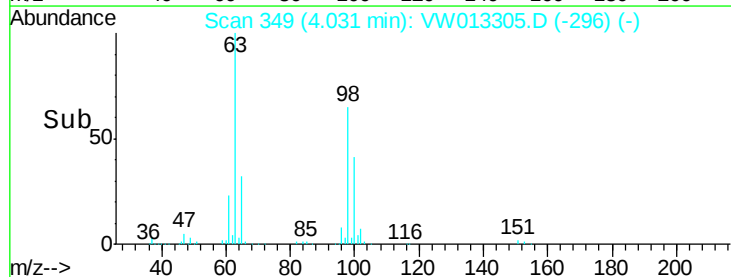
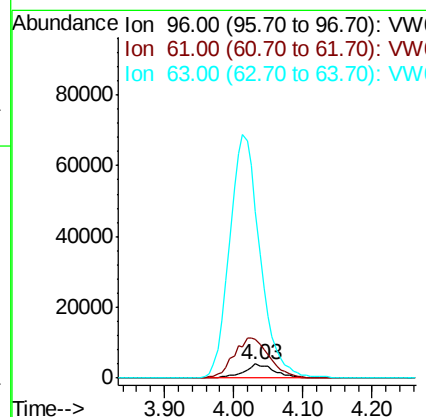
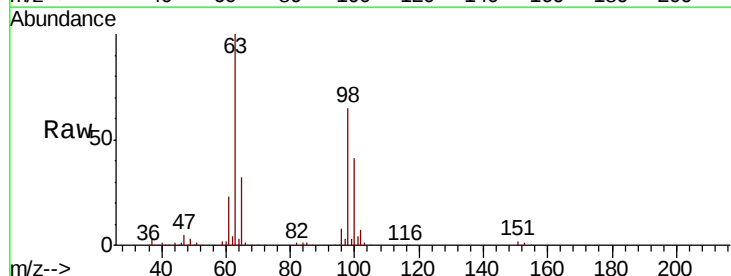
RT: 4.03 min Scan# 349

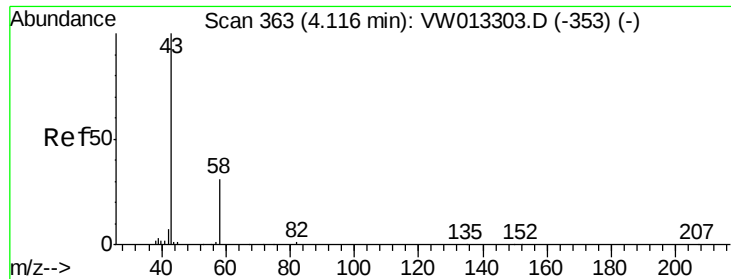
Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion:	96	Resp:	12263
Ion Ratio	Lower	Upper	
96	100		
61	275.2	115.9	215.3#
63	1199.1	88.9	165.1#





#13

Acetone

Concen: 4.674 ug/L m

RT: 4.14 min Scan# 366

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 43 Resp: 7816

Ion Ratio Lower Upper

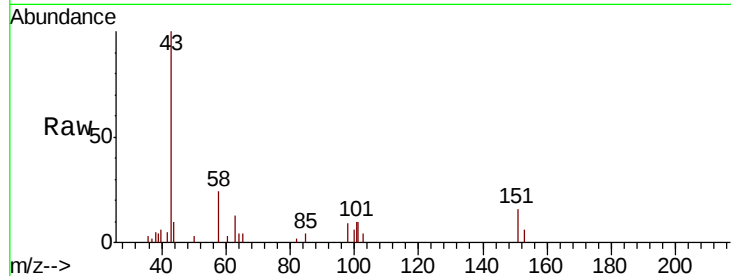
43 100

58 15.5 0.0 63.2

Manual Integrations
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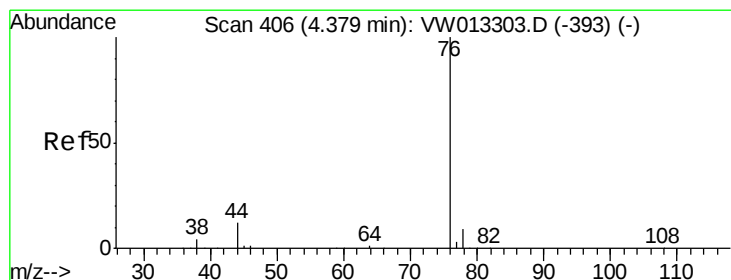
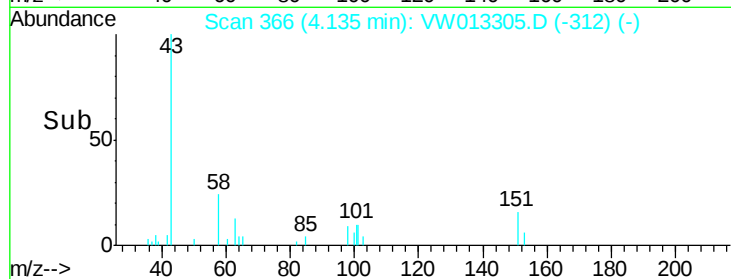
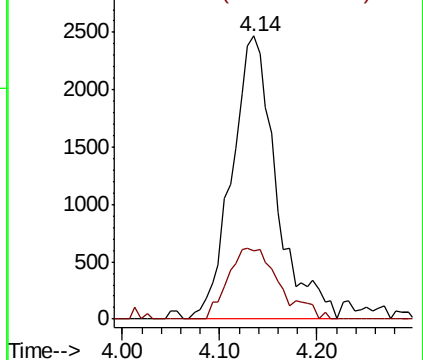
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.915 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013305.D

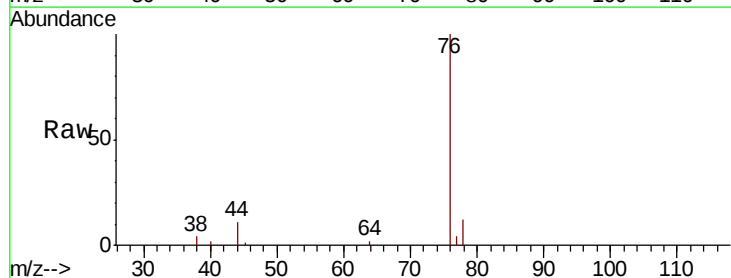
Acq: 26 Sep 2019 14:26

Tgt Ion: 76 Resp: 30551

Ion Ratio Lower Upper

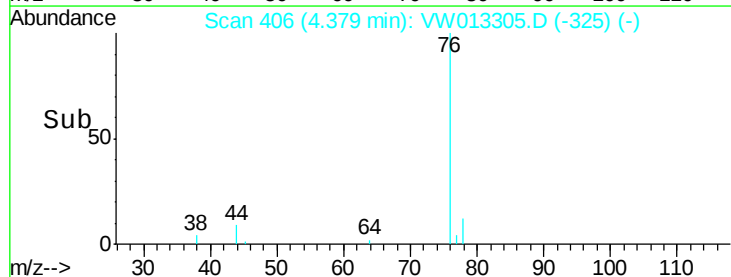
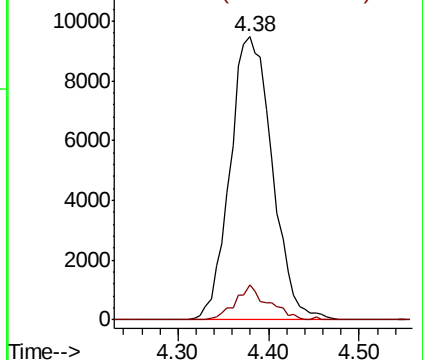
76 100

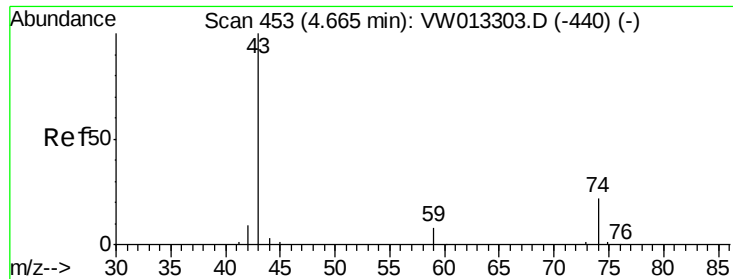
78 12.3 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methyl Acetate

Concen: 1.945 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 43 Resp: 6274

Ion Ratio Lower Upper

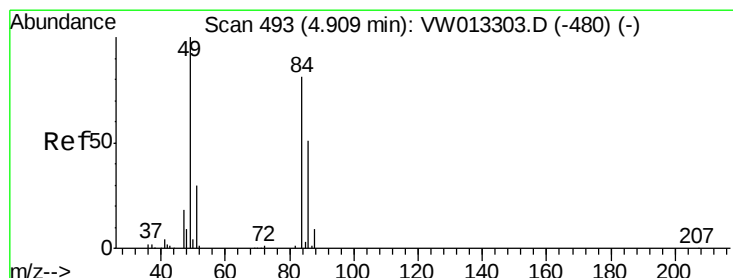
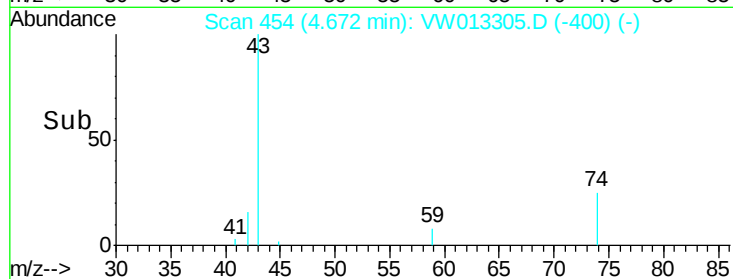
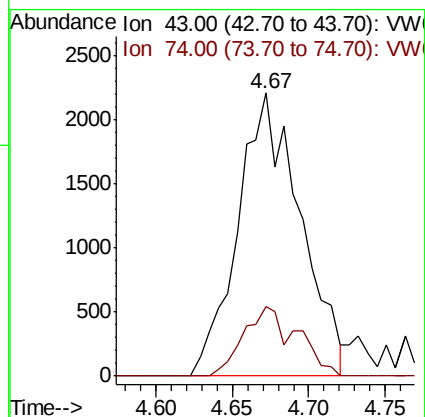
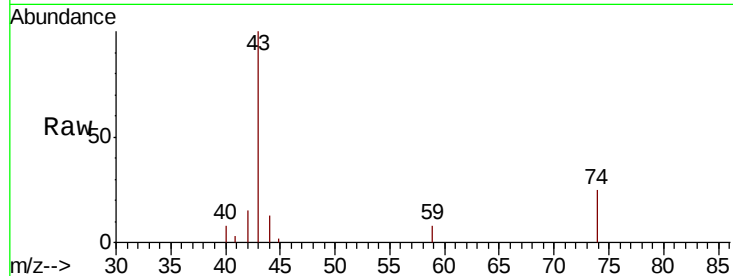
43 100

74 14.6 18.7 28.1#

Manual Integrations
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#16

Methylene chloride

Concen: 2.716 ug/L m

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

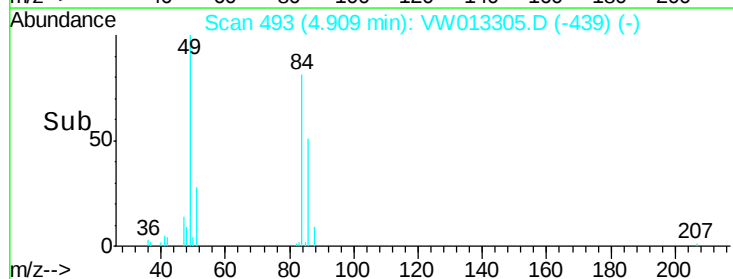
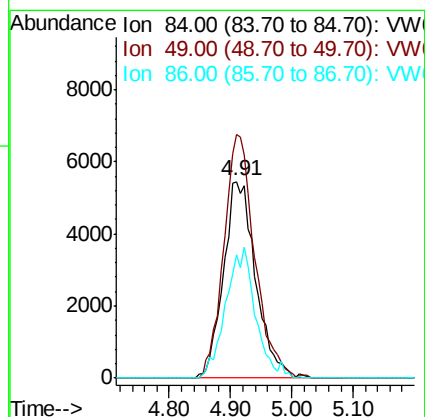
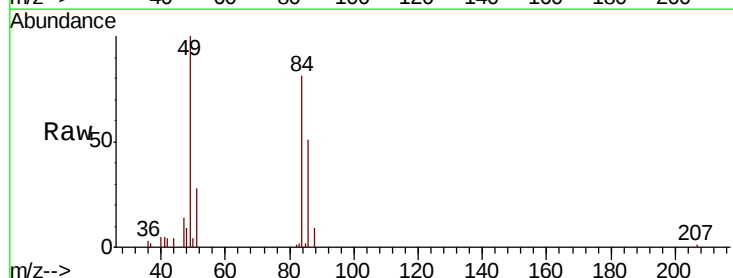
Tgt Ion: 84 Resp: 19780

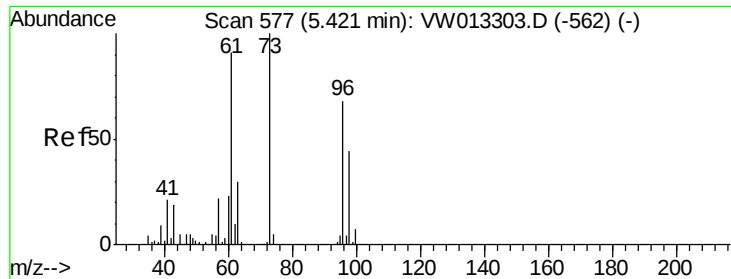
Ion Ratio Lower Upper

84 100

49 123.9 84.8 157.4

86 62.8 44.0 81.6





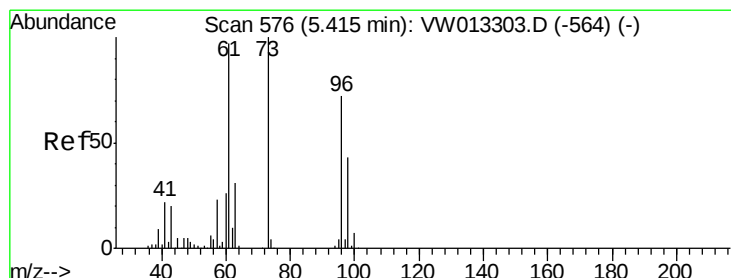
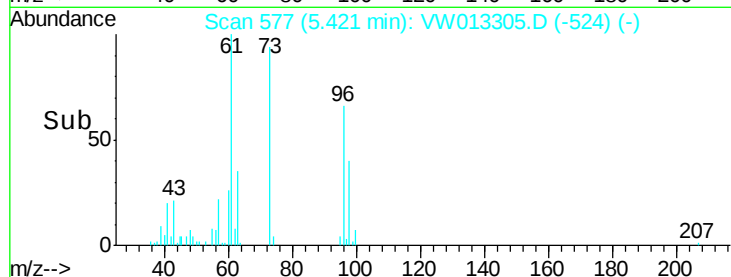
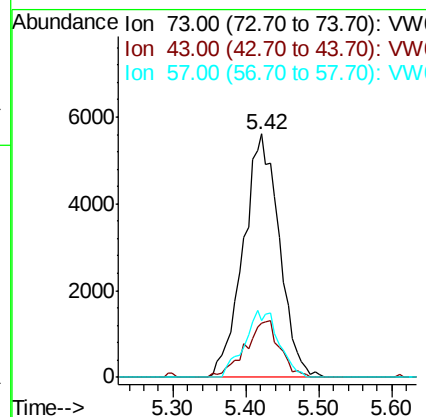
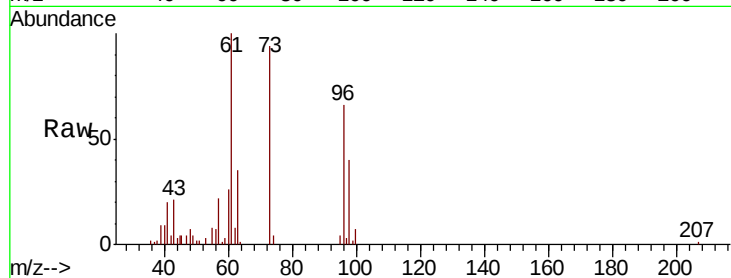
#17
Methvl tert-butvl Ether
Concen: 1.991 ug/L m
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.2	15.3	22.9
57	12.0	18.2	27.4#

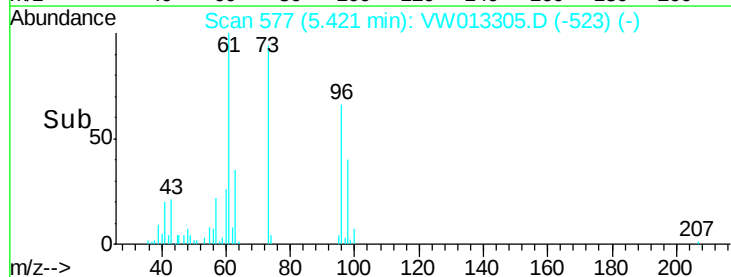
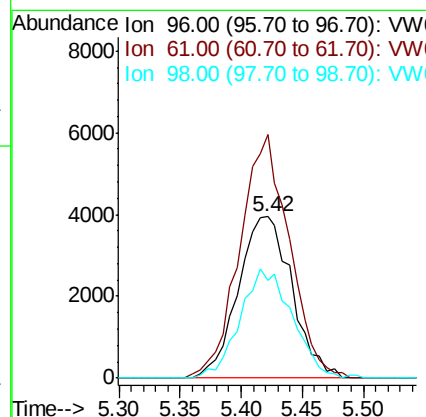
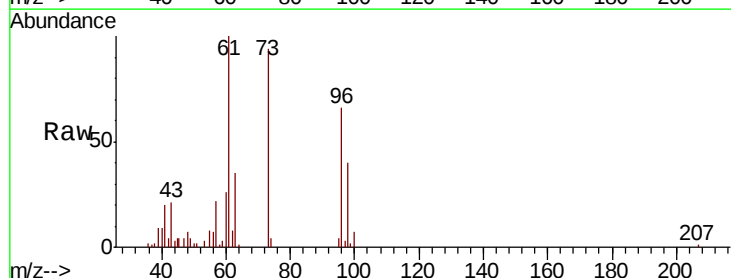
Manual Integrations
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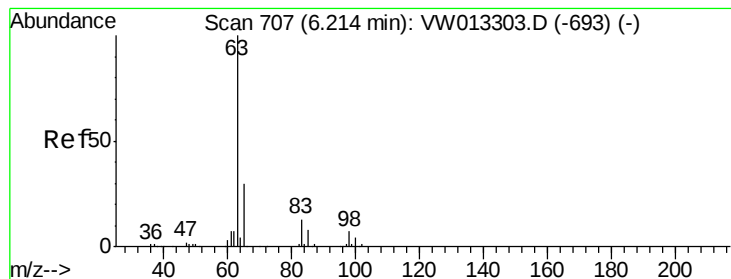
MMDadoda
10/9/2019 2:13:07 PM



#18
trans-1,2-Dichloroethene
Concen: 2.002 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	91.2	169.4
98	60.4	44.7	82.9





#19

1,1-Dichloroethane

Concen: 1.947 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

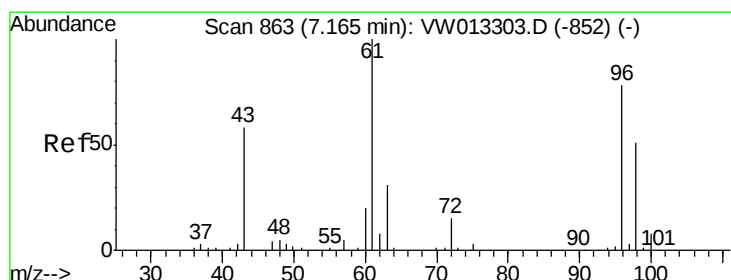
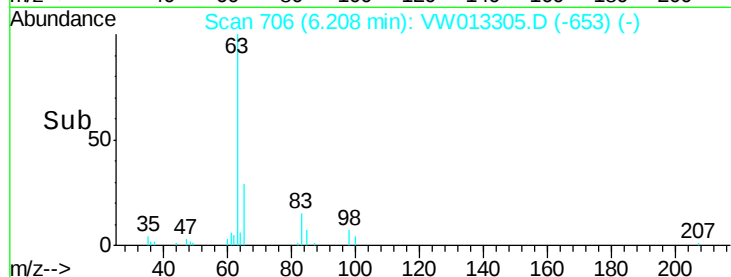
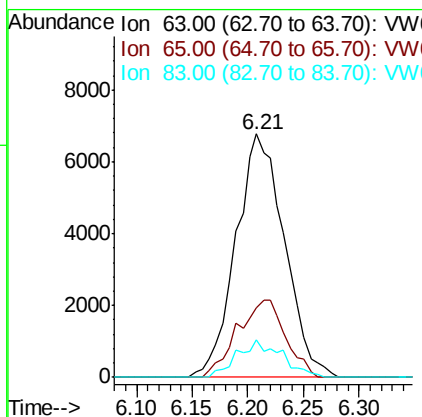
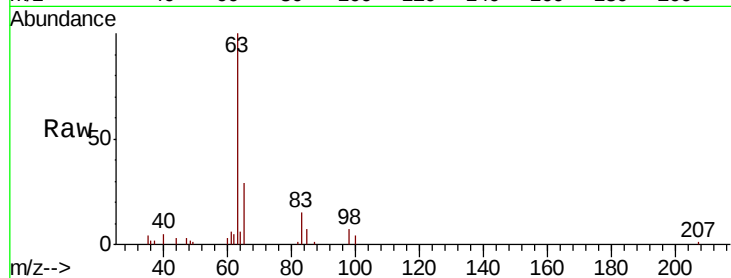
ClientSampled :

MDL01

Tot Ion:	63	Resp:	20515
Ion Ratio	Lower	Upper	
63	100		
65	28.6	21.8	40.4
83	15.2	9.3	17.3

Manual Integrations
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#21

2-Butanone

Concen: 4.312 ug/L m

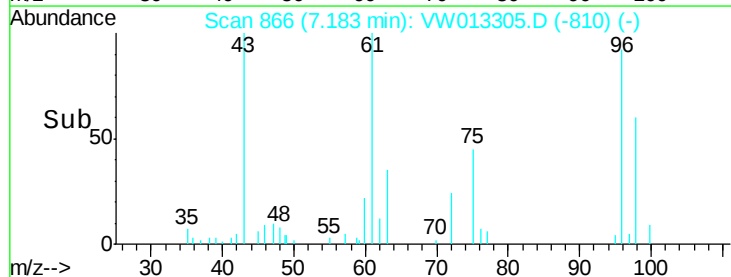
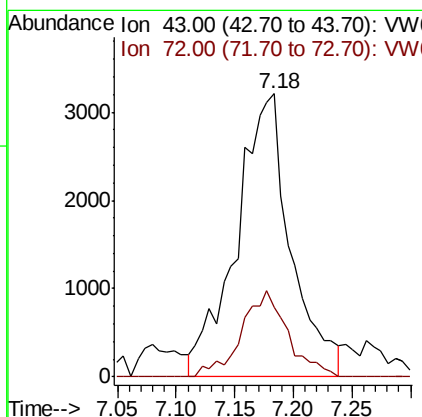
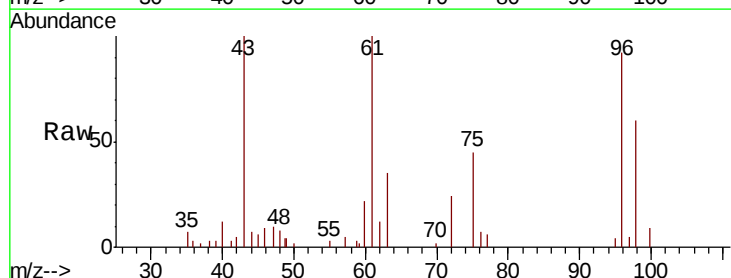
RT: 7.18 min Scan# 866

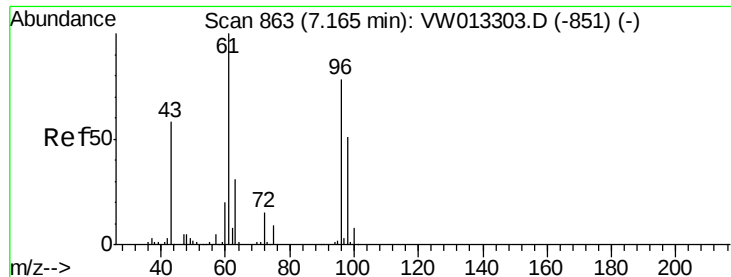
Delta R.T. 0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion:	43	Resp:	10386
Ion Ratio	Lower	Upper	
43	100		
72	25.9	13.2	39.6





#22

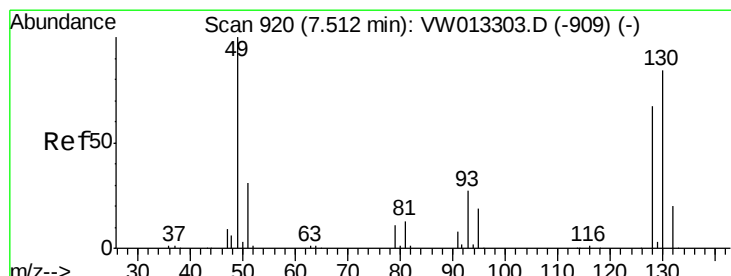
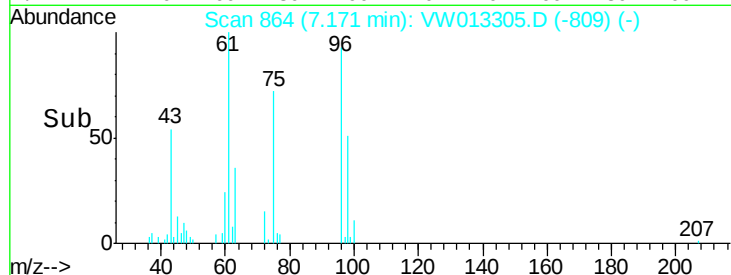
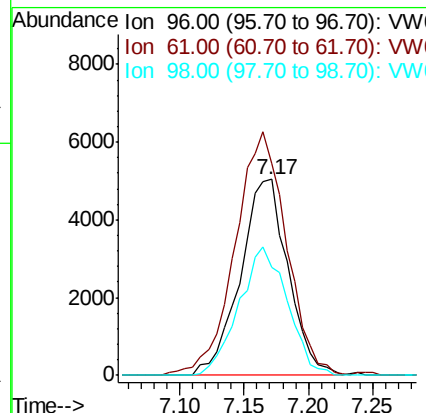
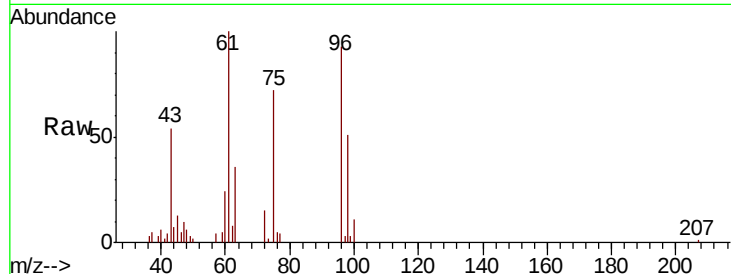
cis-1,2-Dichloroethene
Concen: 1.981 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.9	86.0	159.6
98	55.0	43.5	80.9

Manual Integrations
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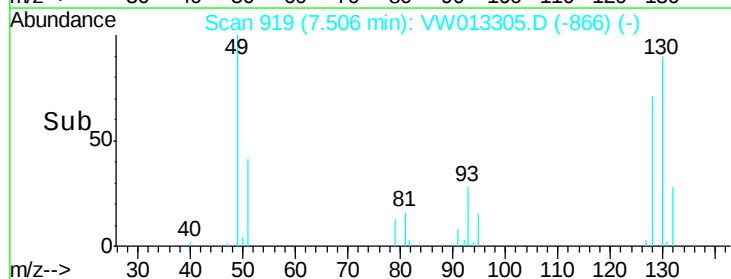
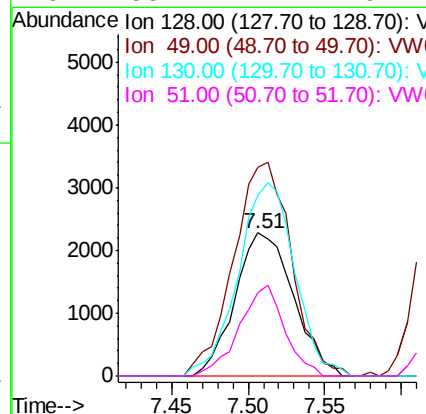
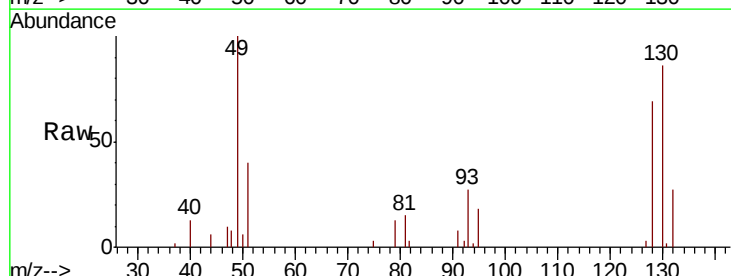
MMDadoda
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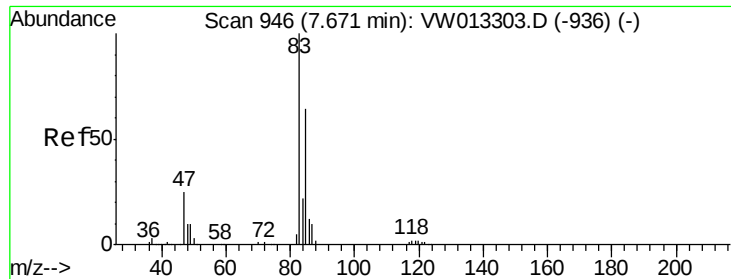


#23

Bromochloromethane
Concen: 2.048 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	145.9	114.6	212.8
130	126.1	92.6	172.0
51	58.2	42.7	64.1





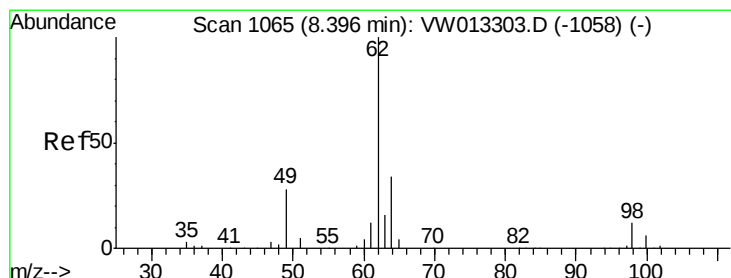
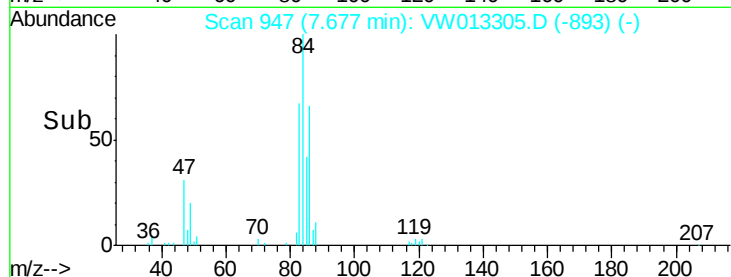
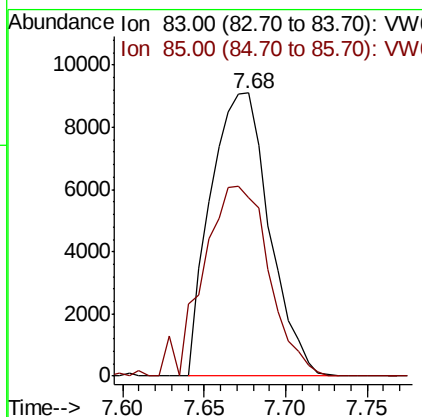
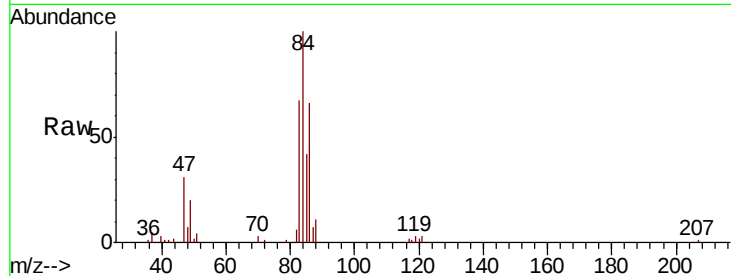
#25
Chloroform
Concen: 2.202 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	83	Resp	22807
Ion Ratio	100	Lower	Upper
85	73.4	45.9	85.3

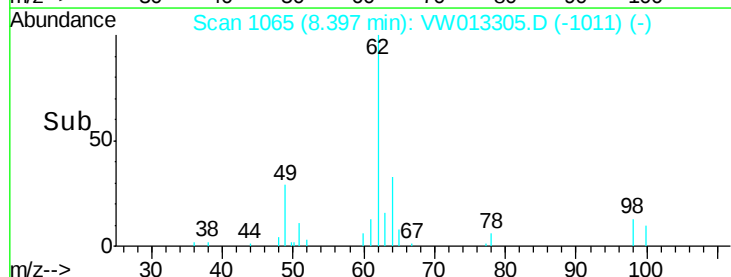
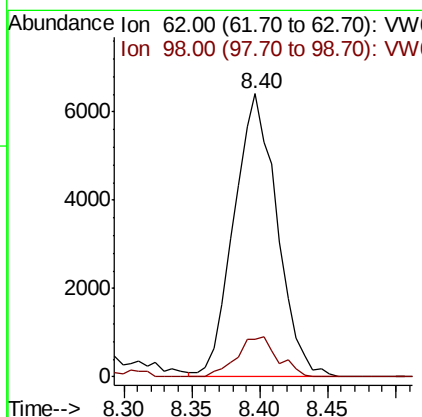
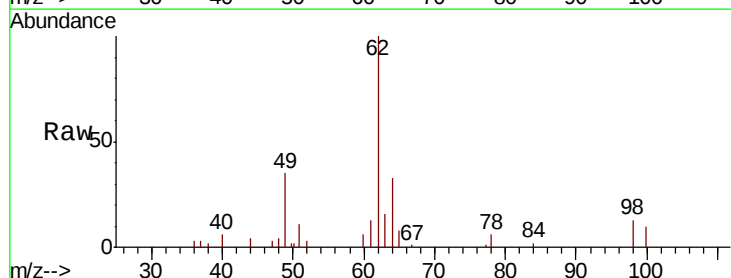
Manual Integrations
APPROVED

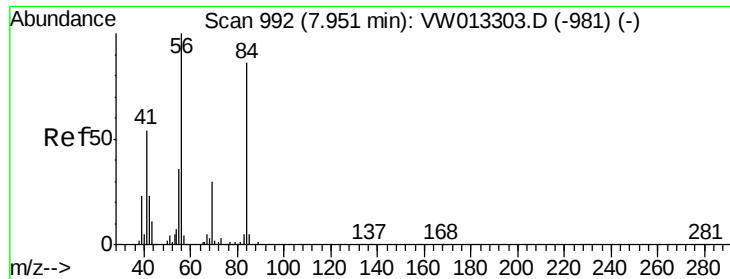
MMDadoda
10/9/2019 2:13:07 PM



#27
1,2-Dichloroethane
Concen: 2.099 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	62	Resp	14239
Ion Ratio	100	Lower	Upper
98	13.5	9.0	13.6





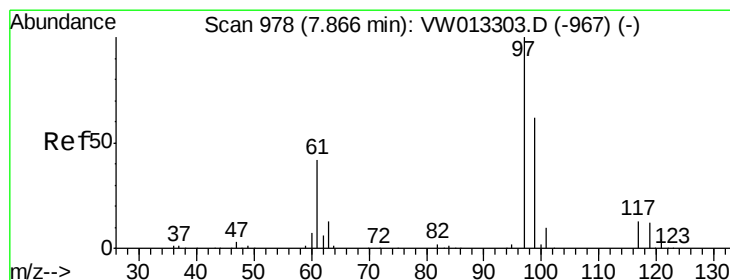
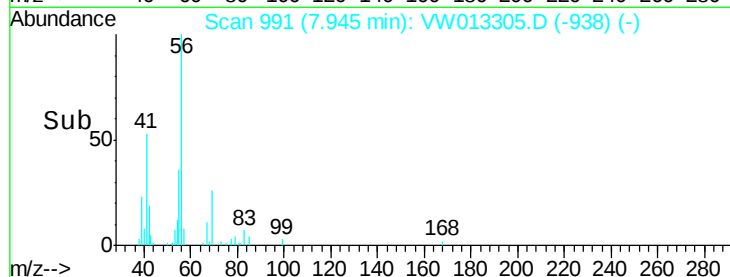
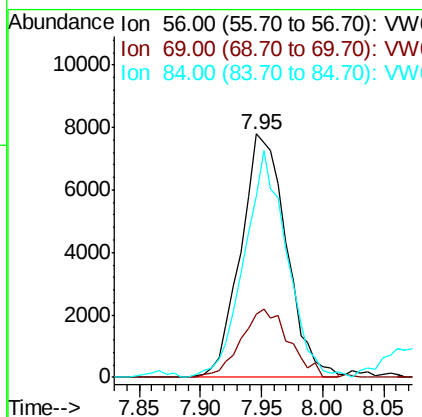
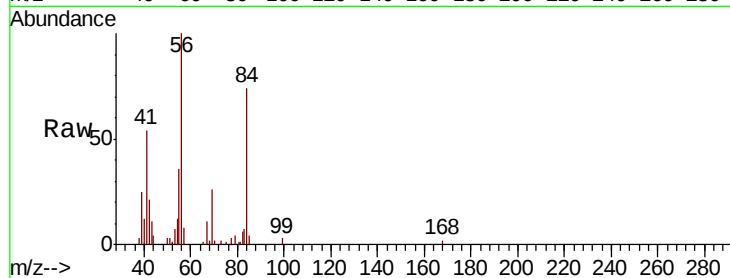
#30
Cvclohexane
Concen: 1.951 ug/L
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	24.6	37.0
84	86.8	69.5	104.3

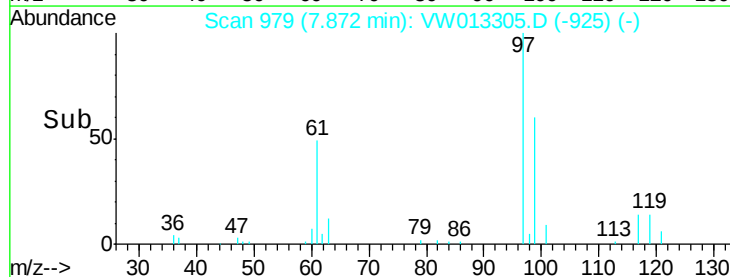
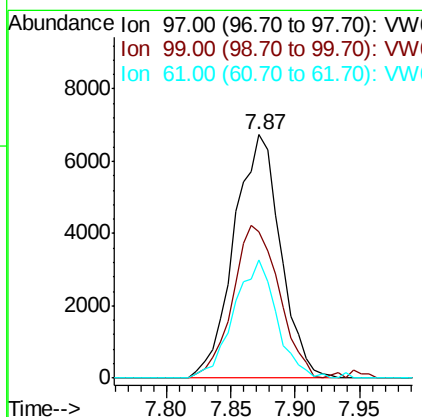
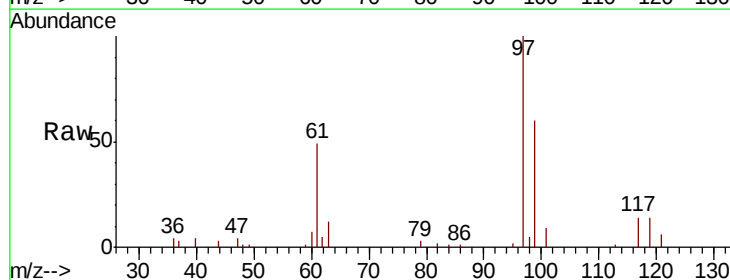
Manual Integrations
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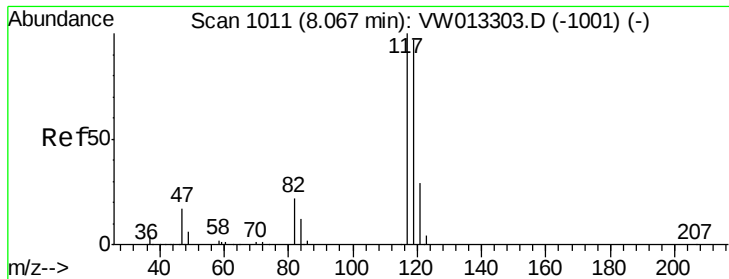
MMDadoda
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#31
1,1,1-Trichloroethane
Concen: 2.030 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	50.6	75.8
61	44.8	34.2	51.2





#32

Carbon tetrachloride

Concen: 2.040 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion:117 Resp: 16113

Ion Ratio Lower Upper

117 100

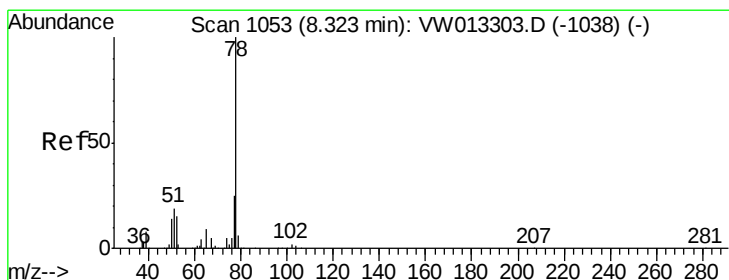
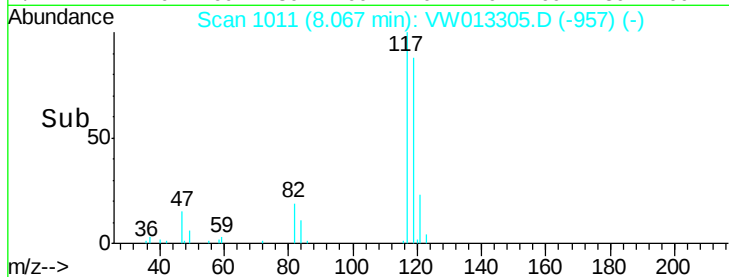
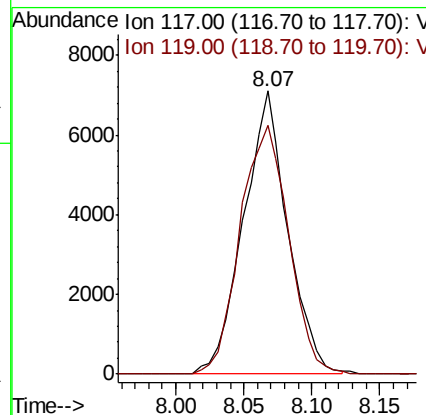
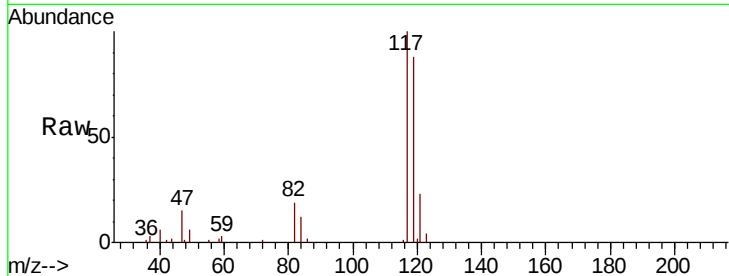
119 96.4 76.7 115.1

Manual Integrations

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10/9/2019 2:13:07 PM



#34

Benzene

Concen: 2.025 ug/L m

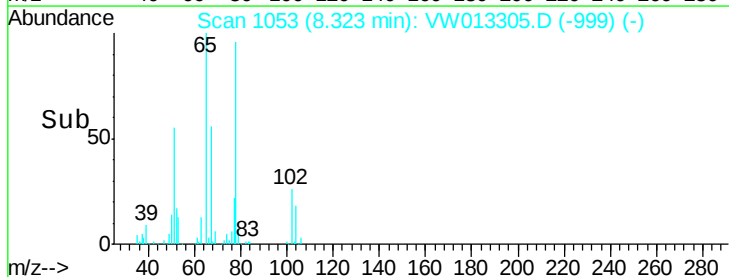
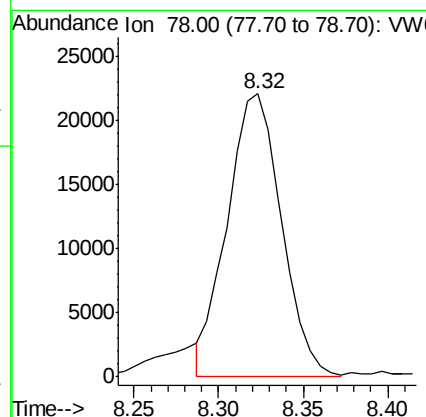
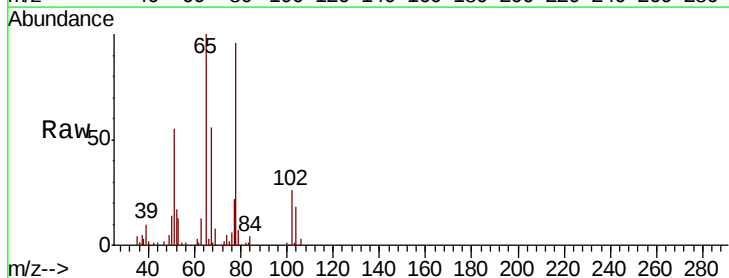
RT: 8.32 min Scan# 1053

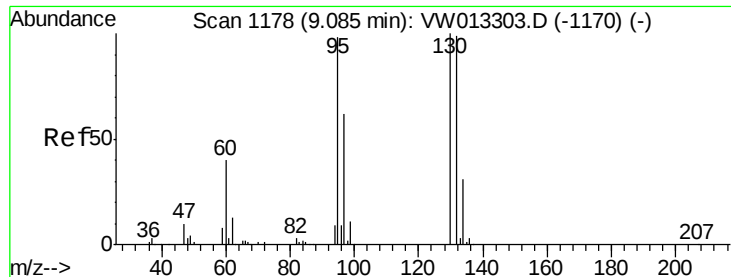
Delta R.T. -0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion: 78 Resp: 49014





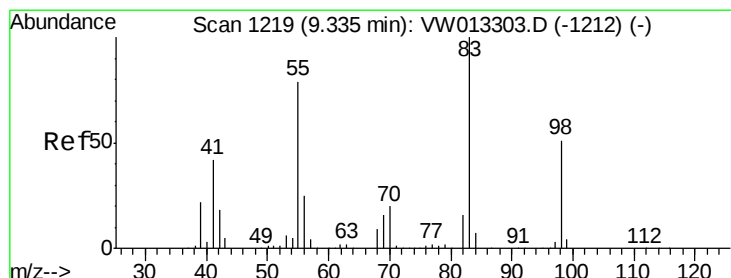
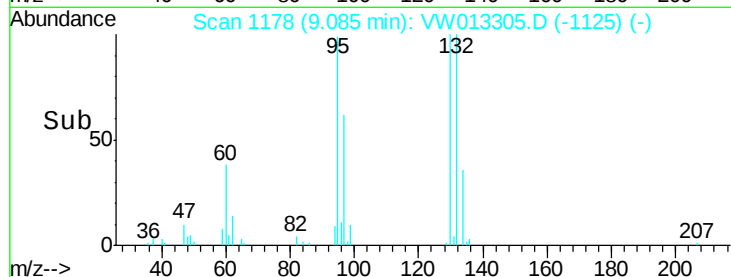
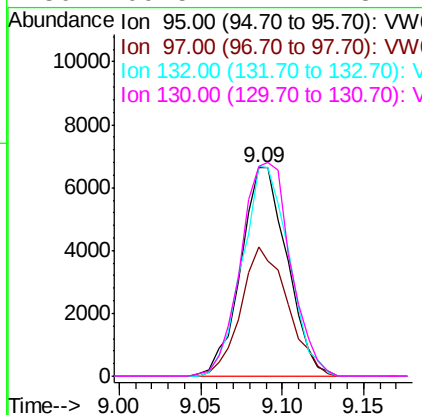
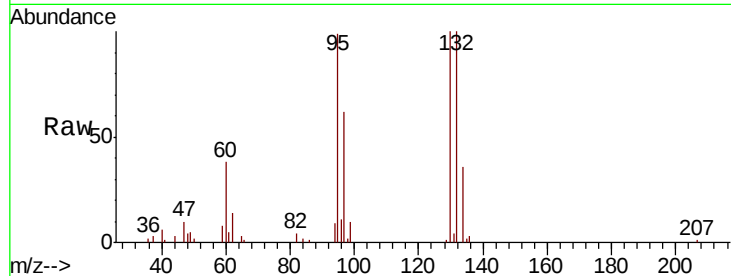
#35
 Trichloroethene
 Concen: 2.059 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		13091		
97	63.0	44.3	82.3		
132	101.8	71.7	133.3		
130	109.5	74.1	137.7		

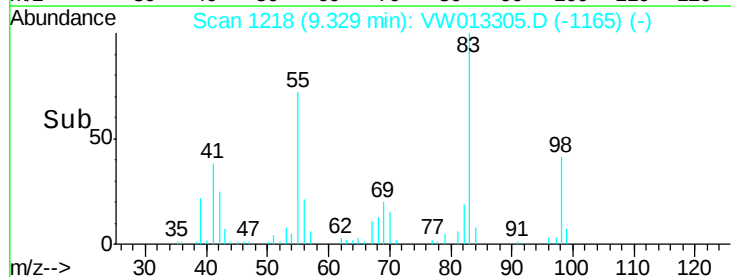
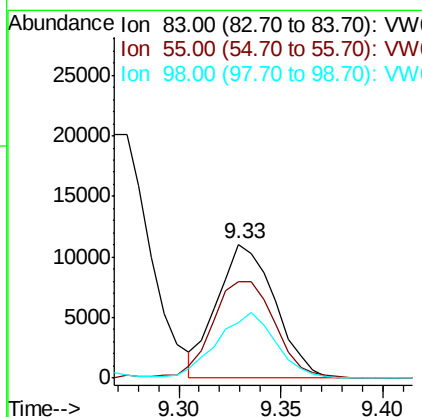
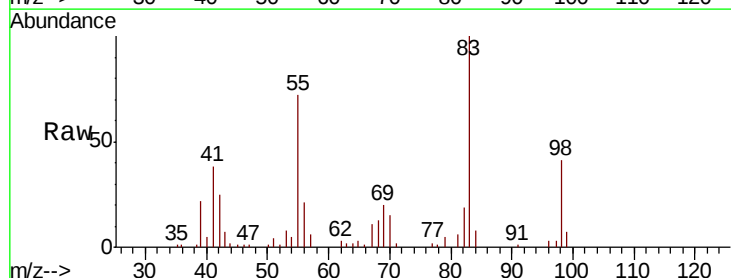
Manual Integrations
 APPROVED

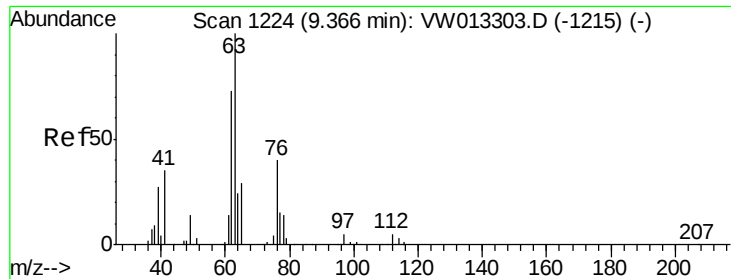
MMDadoda
 10/9/2019 2:13:07 PM



#36
 Methylcyclohexane
 Concen: 1.890 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		21401		
55	79.3	61.8	92.6		
98	50.1	39.6	59.4		





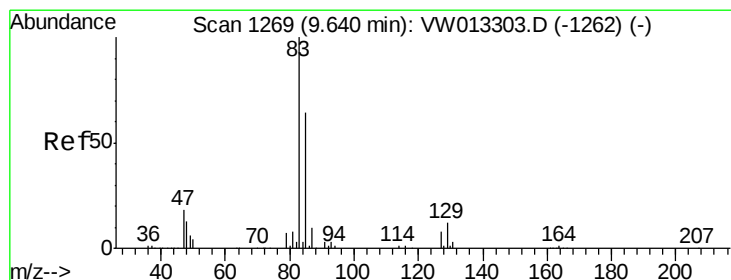
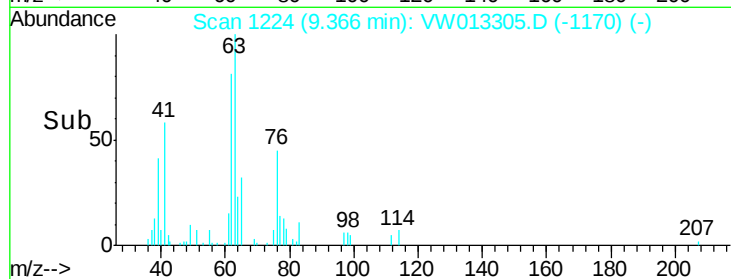
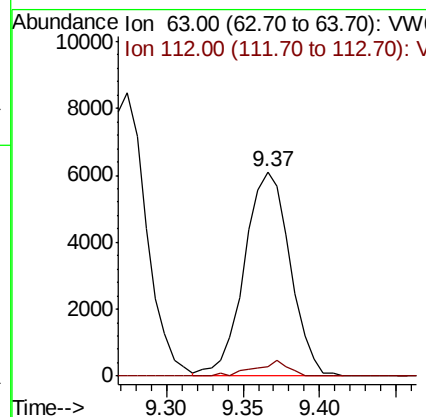
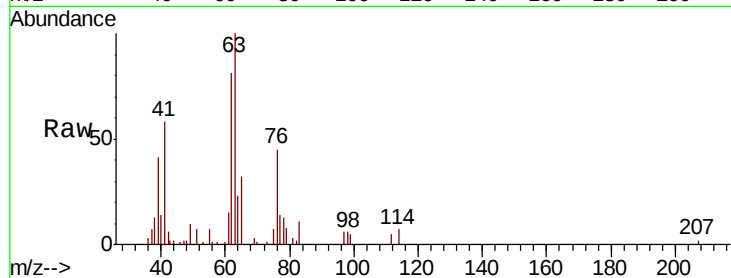
#40
 1,2-Dichloropropane
 Concen: 2.131 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampled :
 MDL01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	12690		
112	5.3		4.1	6.1

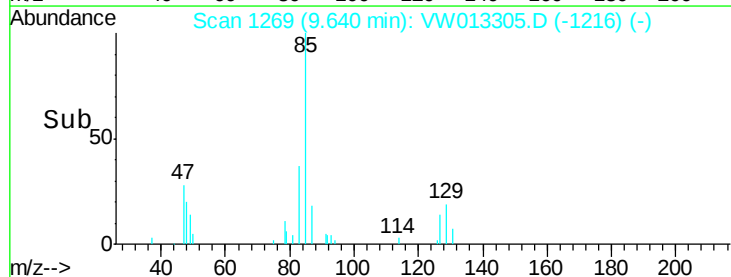
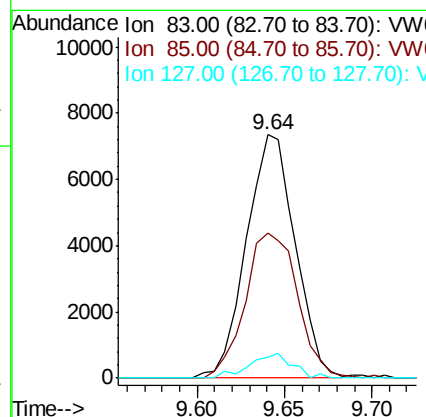
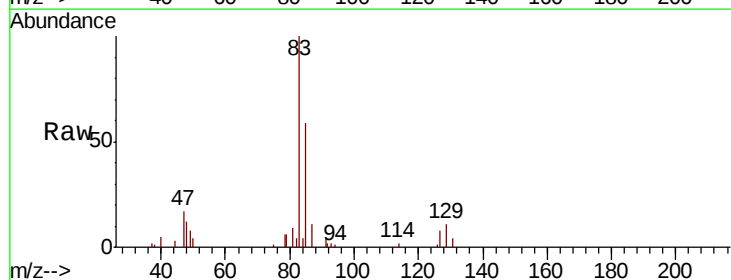
Manual Integrations
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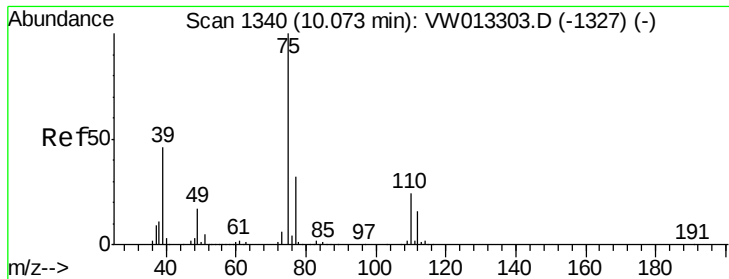
MMDadoda
 10/9/2019 2:13:07 PM



#41
 Bromodichloromethane
 Concen: 1.952 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	14260		
85	59.4		43.8	81.4
127	8.3		7.0	10.6





#42

cis-1,3-Dichloropropene

Concen: 1.831 ug/L m

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion: 75 Resp: 17415

Ion Ratio Lower Upper

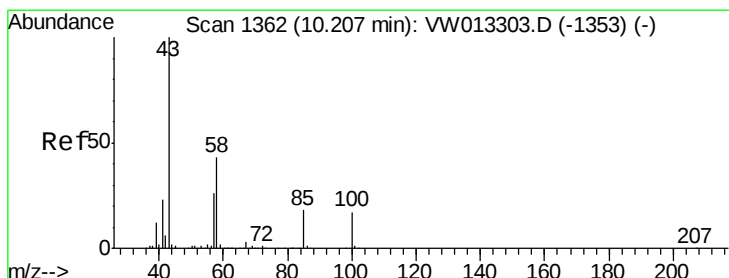
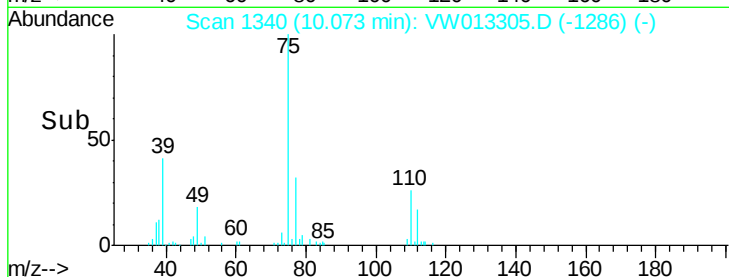
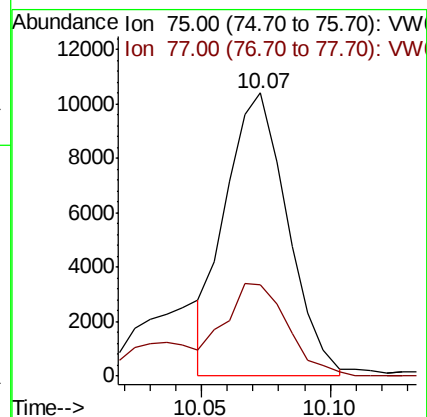
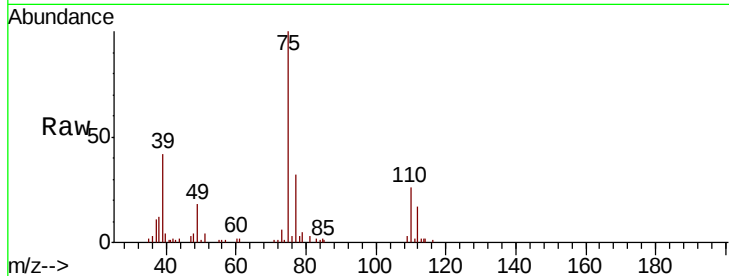
75 100

77 32.3 21.3 39.5

Manual Integrations
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#43

4-Methyl-2-pentanone

Concen: 4.180 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

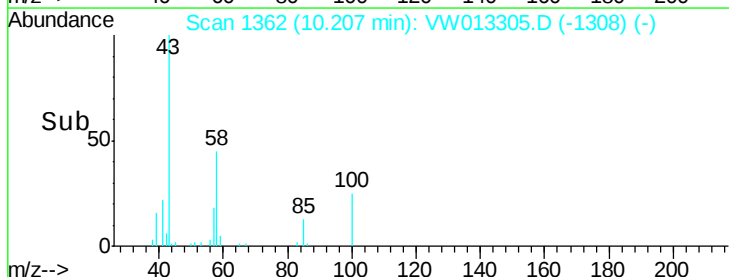
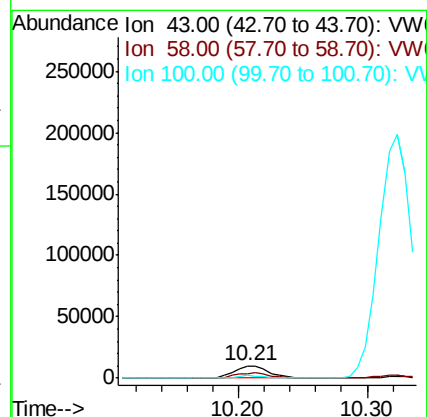
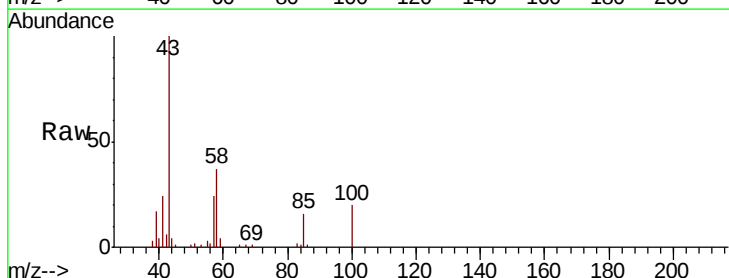
Tgt Ion: 43 Resp: 19052

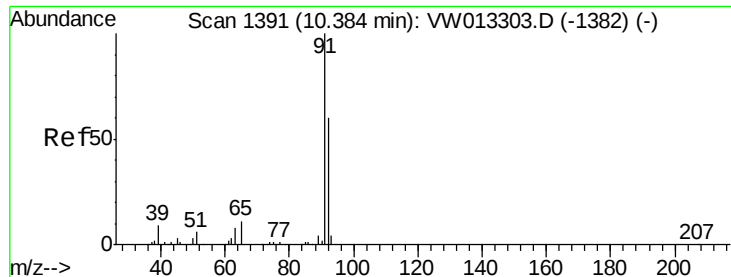
Ion Ratio Lower Upper

43 100

58 40.4 32.7 49.1

100 16.9 12.9 19.3





#44

Toluene

Concen: 2.068 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 54479

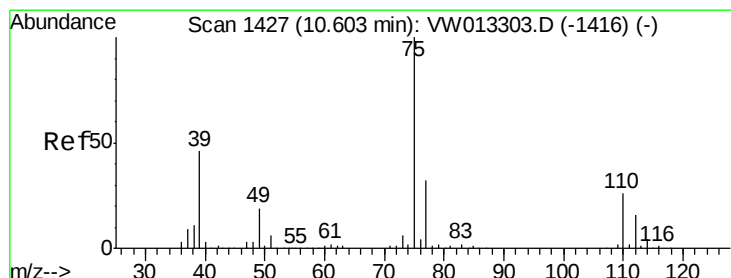
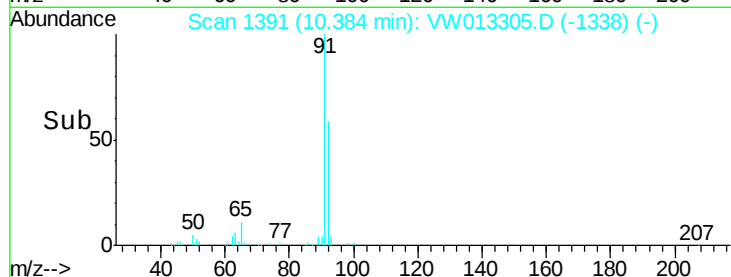
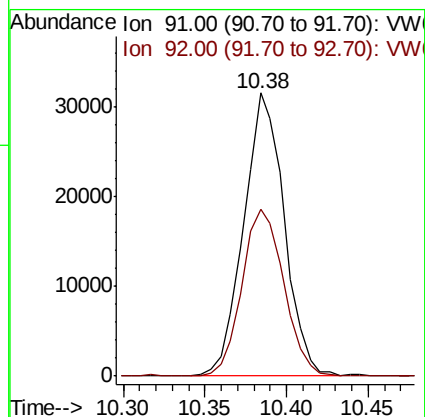
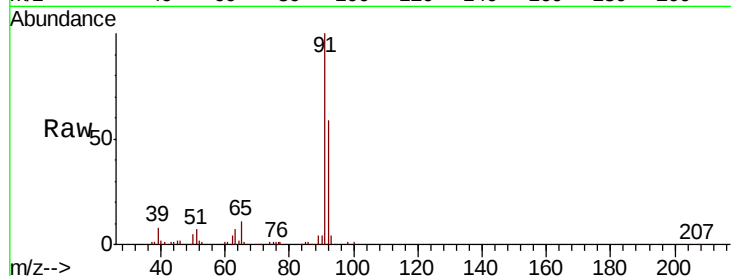
Ion Ratio Lower Upper

91 100

92 59.2 41.5 77.1

Manual Integrations
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#45

trans-1,3-Dichloropropene

Concen: 2.034 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013305.D

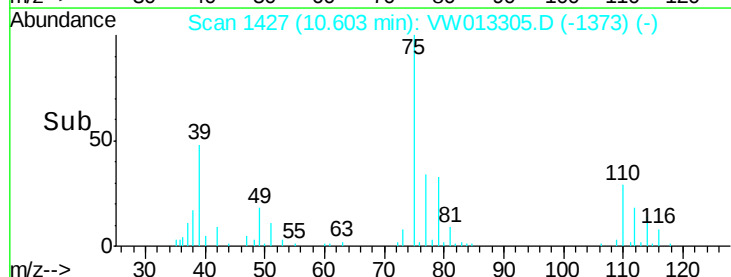
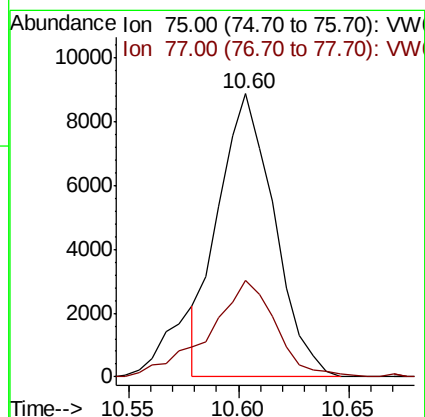
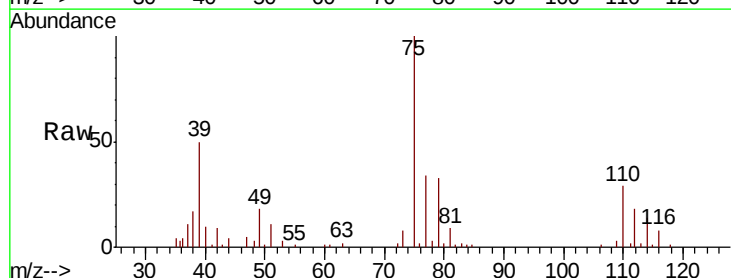
Acq: 26 Sep 2019 14:26

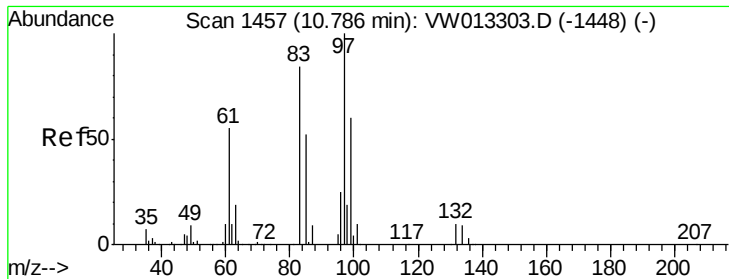
Tgt Ion: 75 Resp: 15545

Ion Ratio Lower Upper

75 100

77 34.1 20.5 38.1





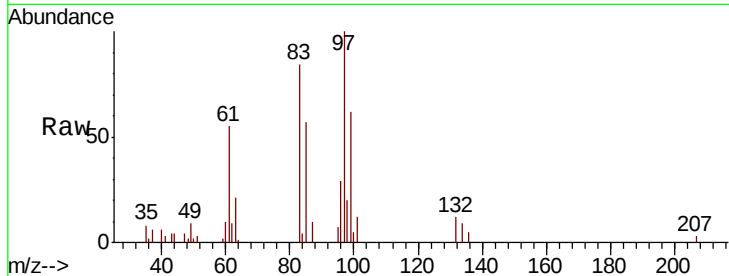
#46
 1,1,2-Trichloroethane
 Concen: 2.014 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	59.4	110.2
85	57.3	38.7	71.9
99	61.8	45.8	85.0

Manual Integrations
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MMDadoda
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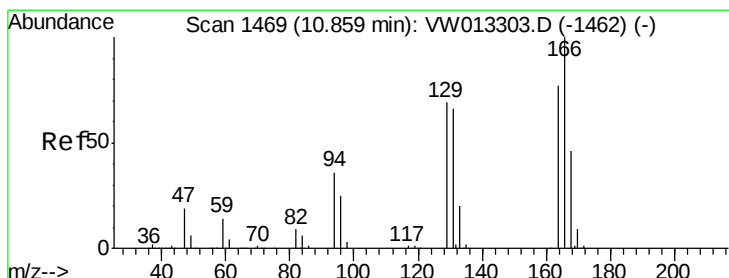
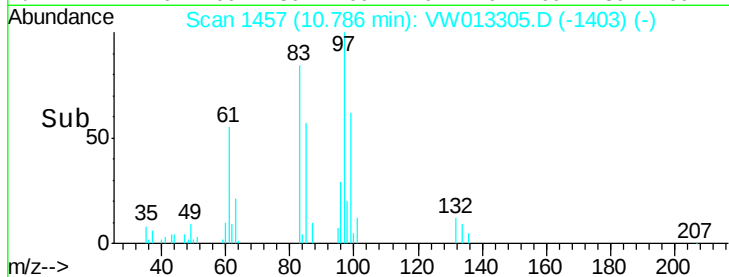
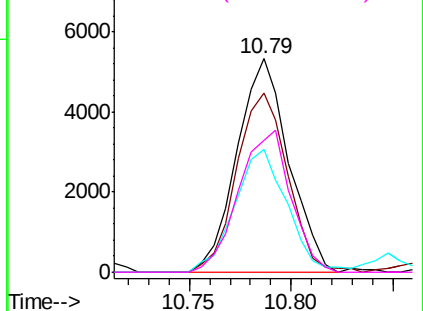
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 2.087 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Lower	Upper
164	100		
129	91.6	60.5	112.5
131	85.9	60.6	112.6
166	117.4	90.6	168.2

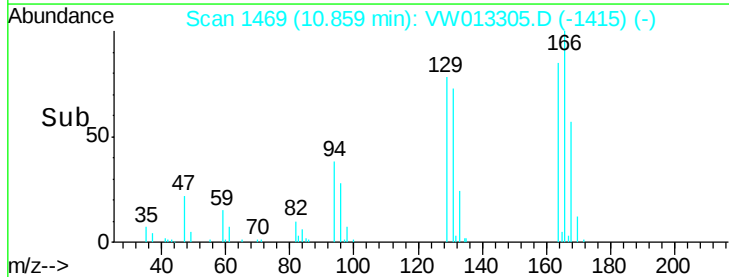
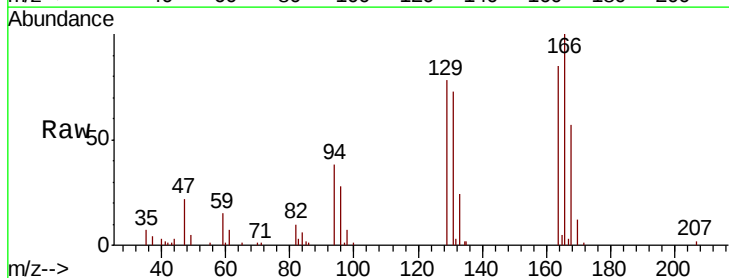
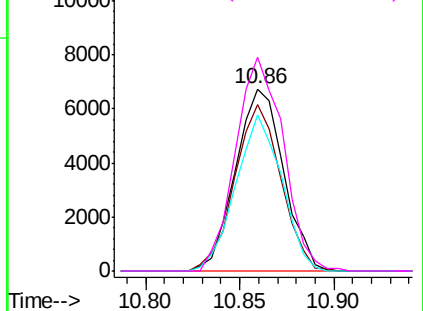
Abundance

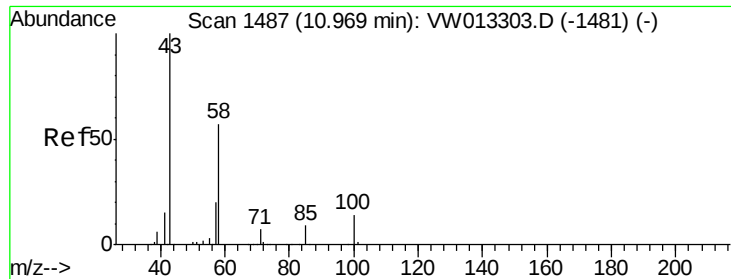
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





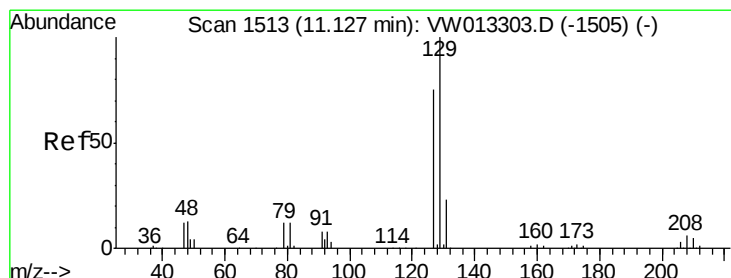
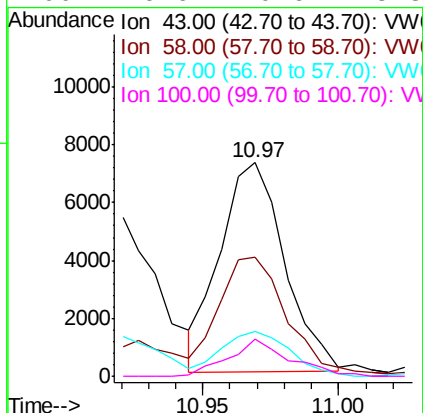
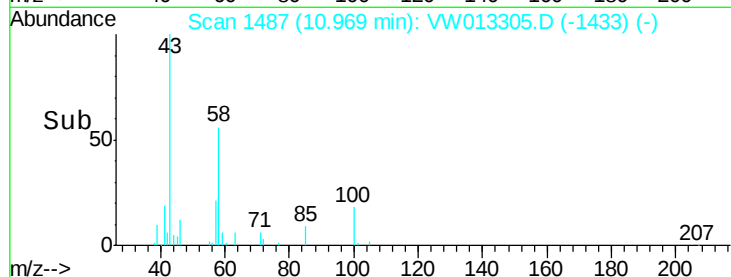
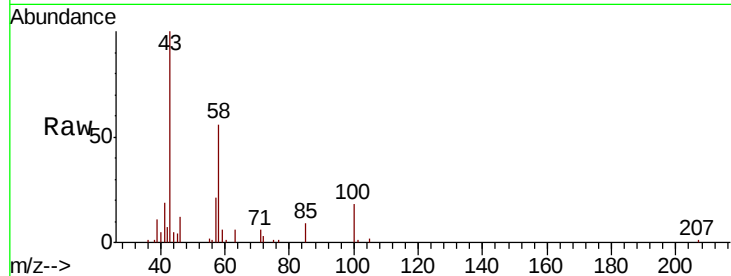
#49
2-Hexanone
Concen: 3.651 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.6	44.3	66.5
57	22.9	15.3	22.9
100	16.6	10.6	15.8

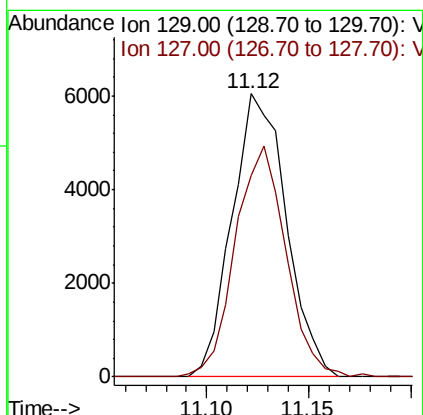
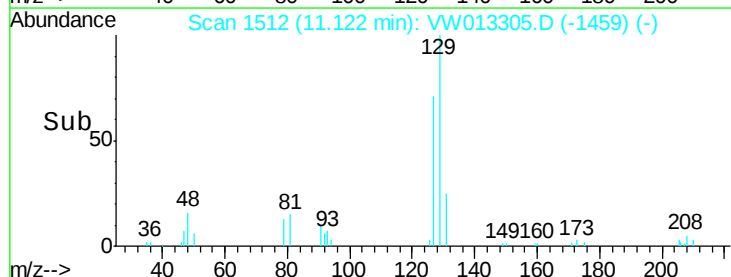
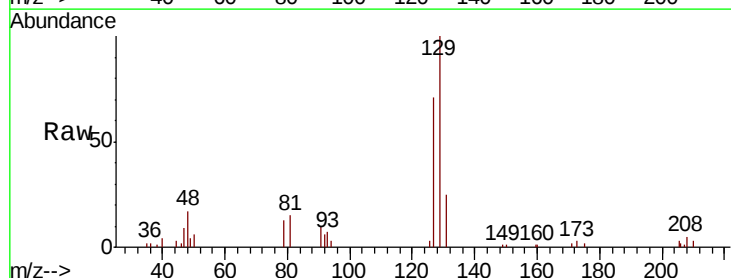
Manual Integrations
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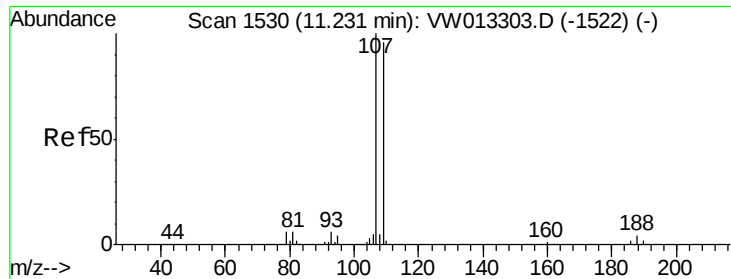
MMDadoda
10/9/2019 2:13:07 PM



#50
Dibromochloromethane
Concen: 2.085 ug/L
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.0	56.1	104.1





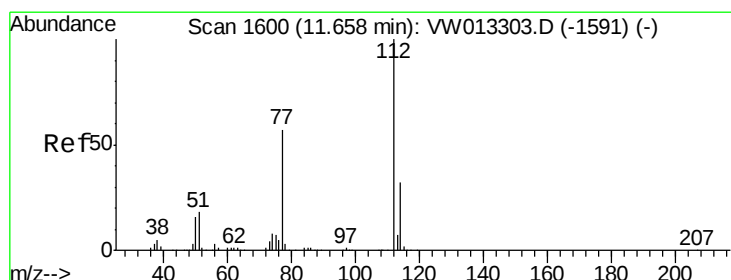
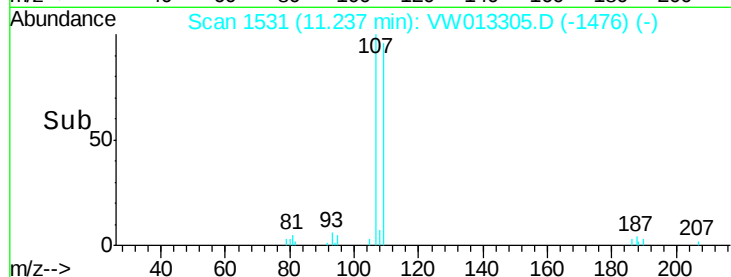
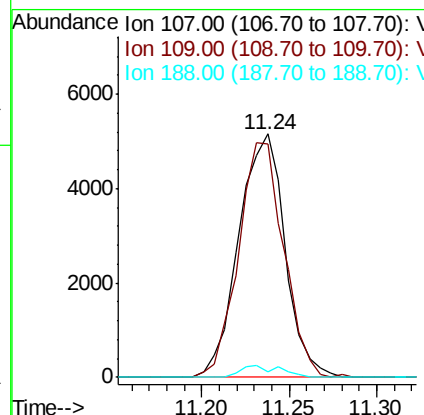
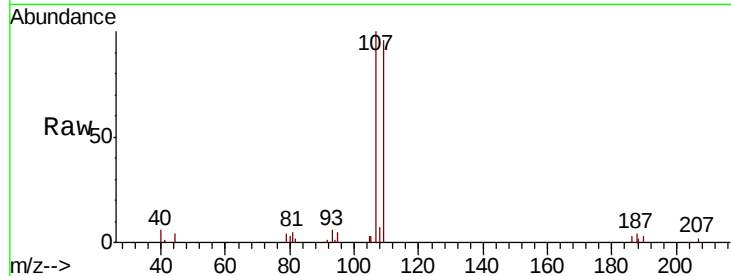
#51
1,2-Dibromoethane
Concen: 2.073 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	9502		
109	95.7	65.5	121.6	
188	2.3	3.0	4.6#	

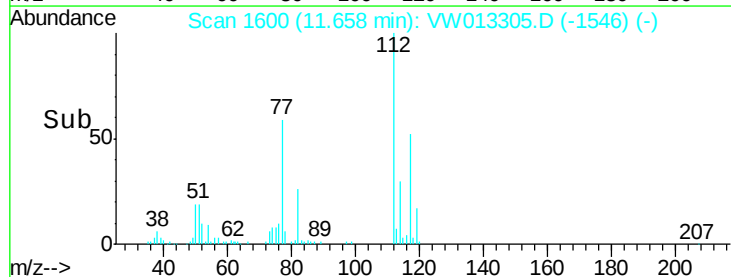
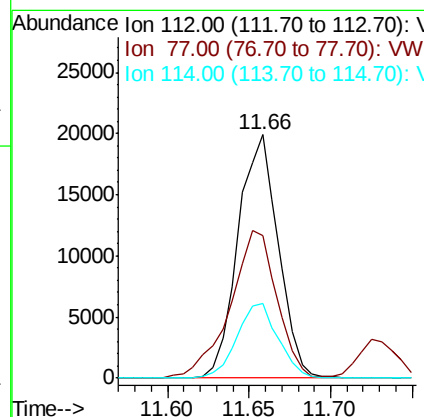
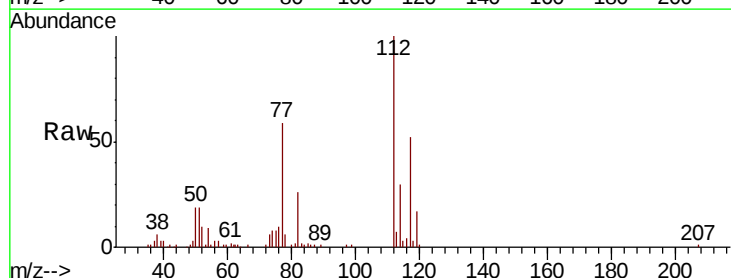
Manual Integrations
APPROVED

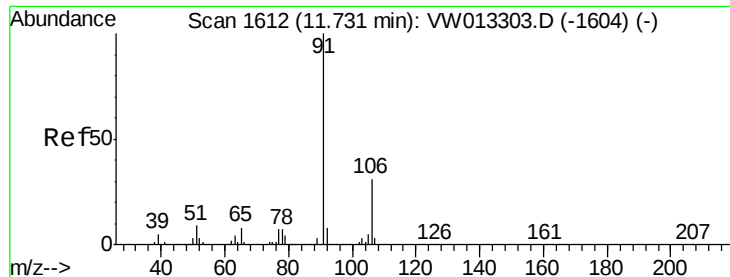
MMDadoda
10/9/2019 2:13:07 PM



#52
Chlorobenzene
Concen: 2.063 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	34247		
77	58.7	46.5	69.7	
114	30.5	23.0	42.8	





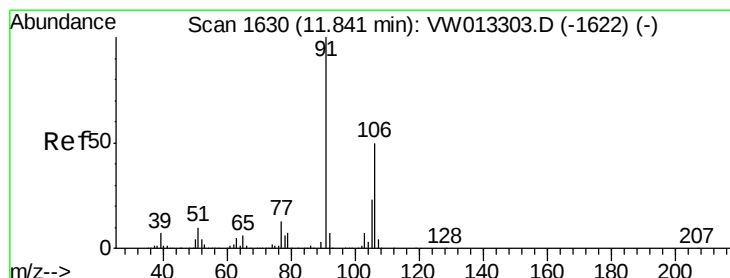
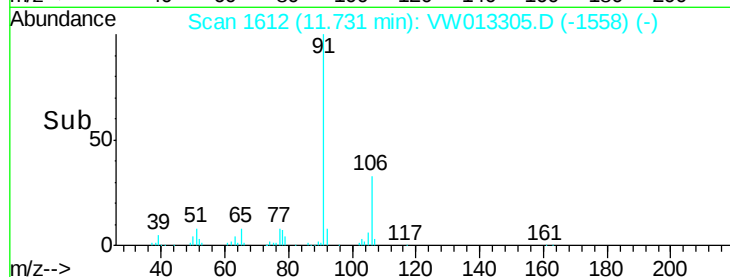
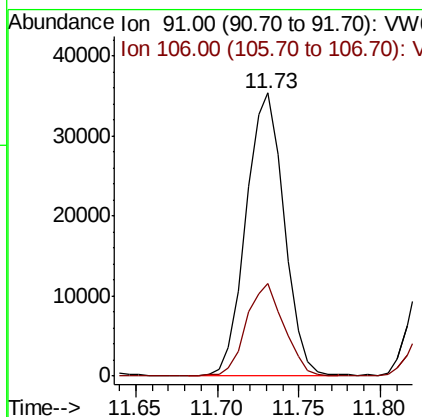
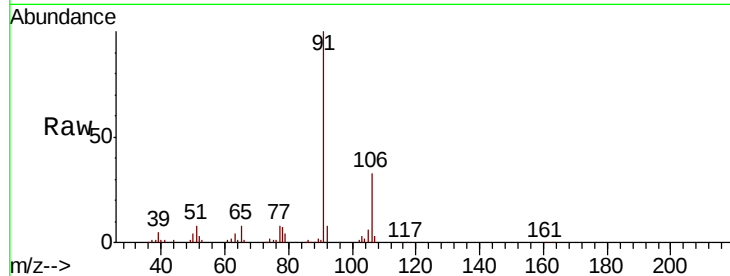
#53
Ethylbenzene
Concen: 1.975 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Instrument :
MSVOA_W
ClientSampleId :
MDL01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		57690		
106	32.9	20.8	38.6		

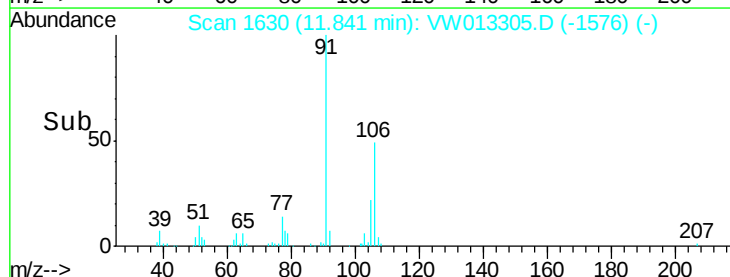
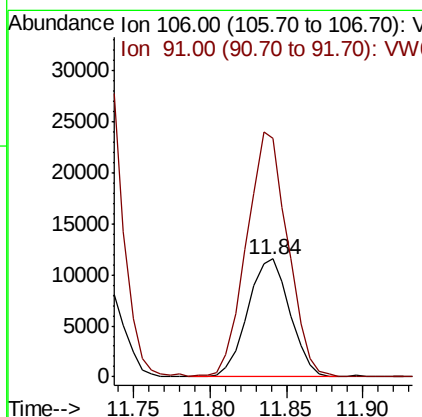
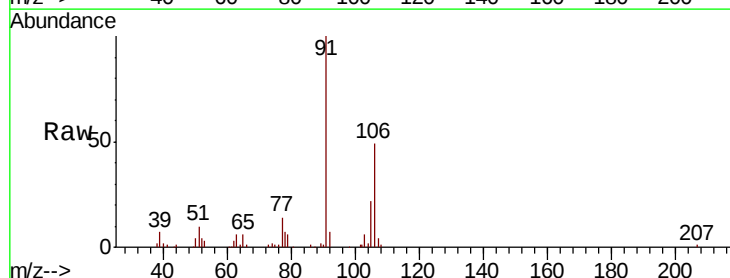
Manual Integrations
APPROVED

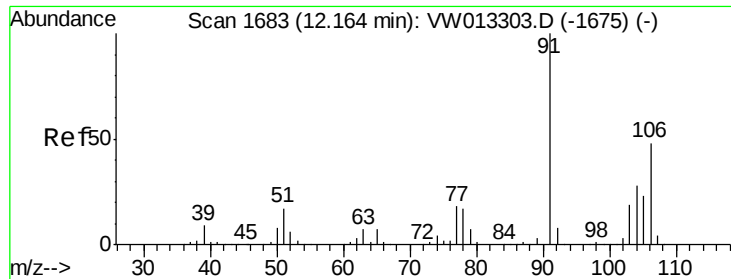
MMDadoda
10/9/2019 2:13:07 PM



#54
m,p-Xylene
Concen: 1.987 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013305.D
Acq: 26 Sep 2019 14:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		22286		
91	202.4	138.3	256.9		





#55

o-xylene

Concen: 1.908 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

ClientSampled :

MDL01

Tot Ion:106 Resp: 20195

Ion Ratio Lower Upper

106 100

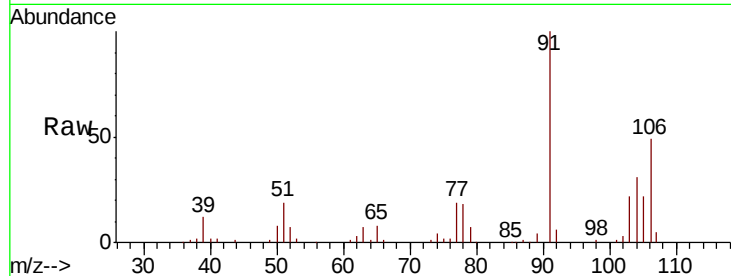
91 205.8 145.9 271.1

Manual Integrations

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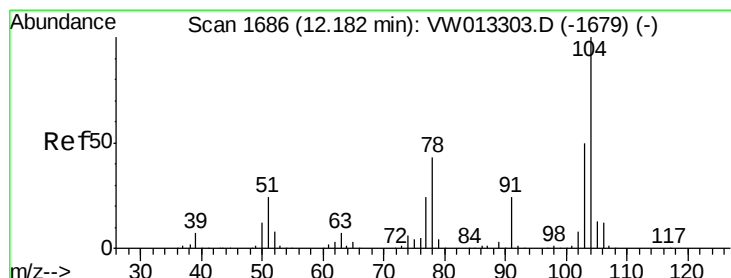
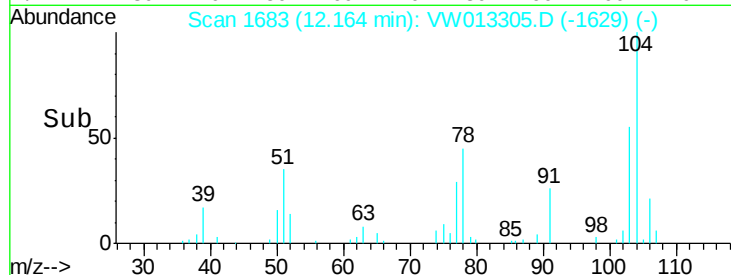
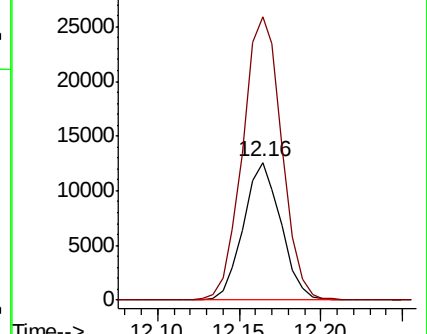
MMDadoda

10/9/2019 2:13:07 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 1.905 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW013305.D

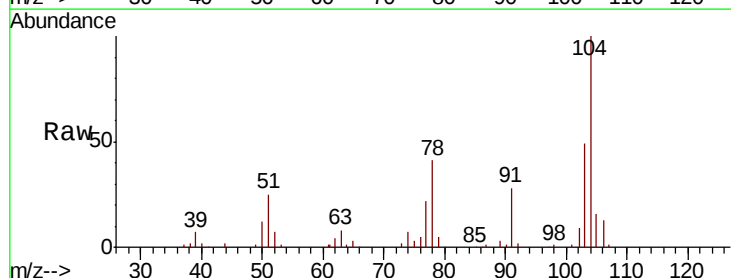
Acq: 26 Sep 2019 14:26

Tgt Ion:104 Resp: 34571

Ion Ratio Lower Upper

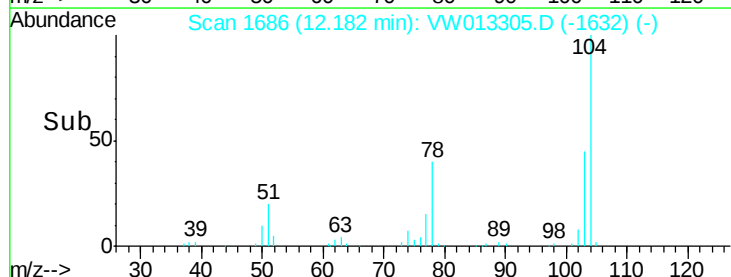
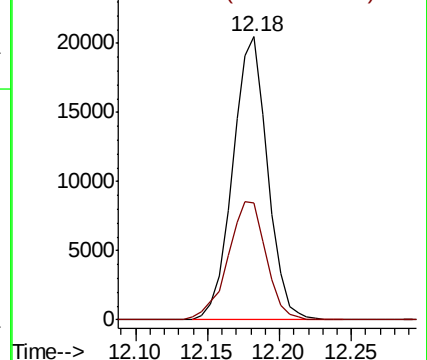
104 100

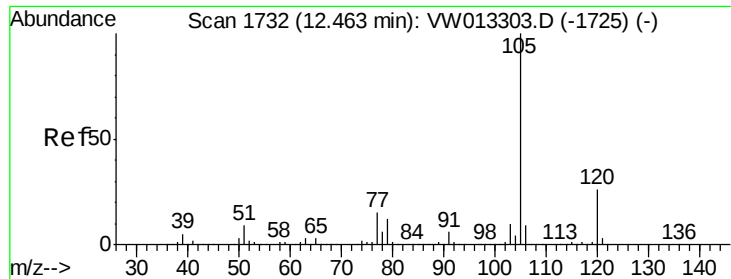
78 41.2 29.8 55.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 1.940 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

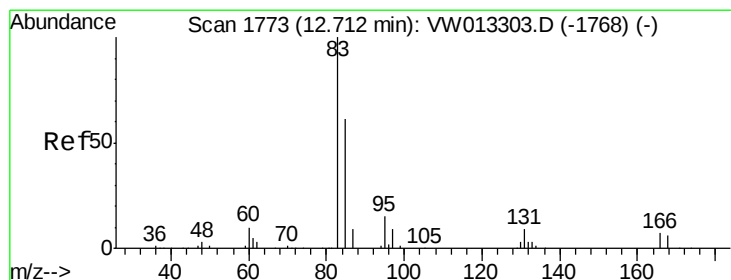
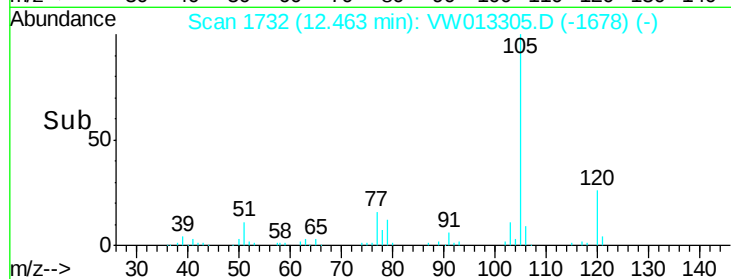
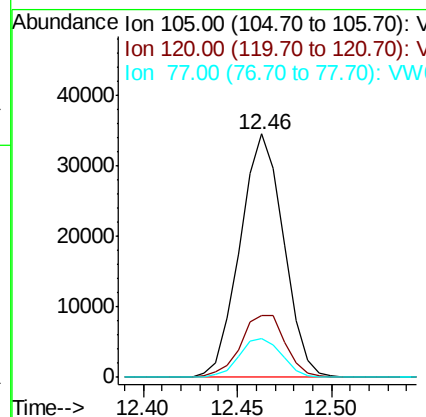
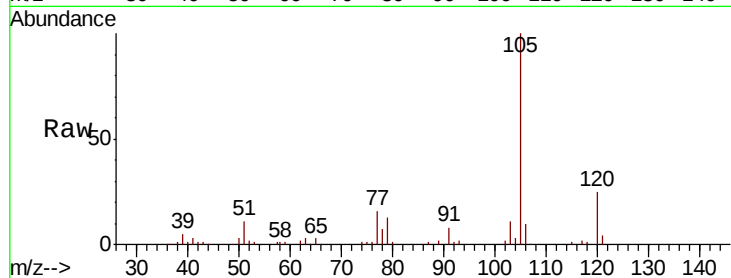
ClientSampled :

MDL01

Tot Ion:	105	Resp:	55504
Ion Ratio	Lower	Upper	
105	100		
120	26.4	21.4	32.2
77	15.7	11.8	17.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.157 ug/L

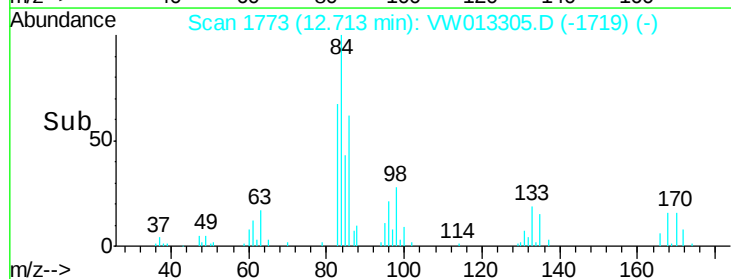
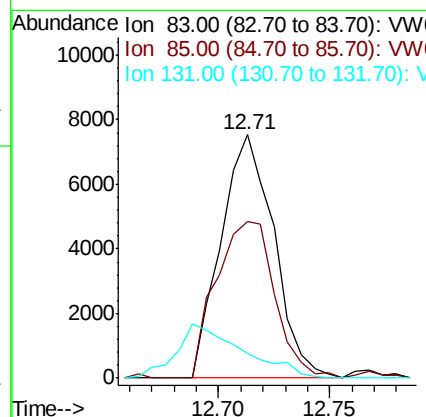
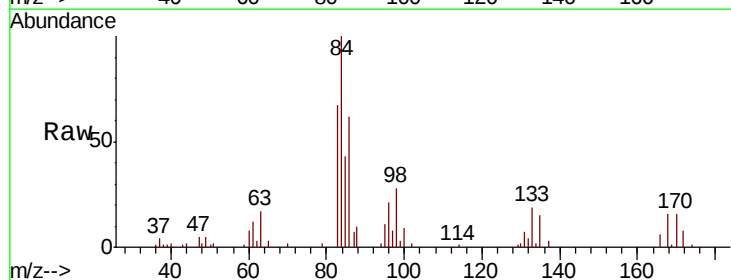
RT: 12.71 min Scan# 1773

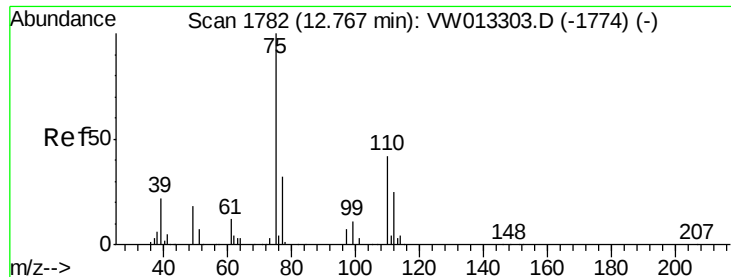
Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion:	83	Resp:	12399
Ion Ratio	Lower	Upper	
83	100		
85	64.1	45.2	84.0
131	10.1	8.9	13.3





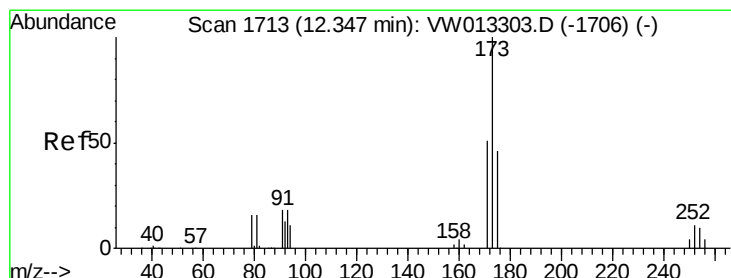
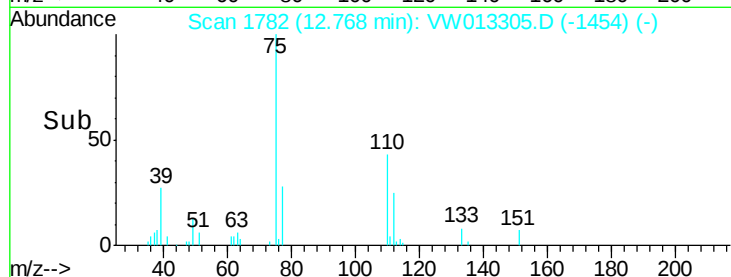
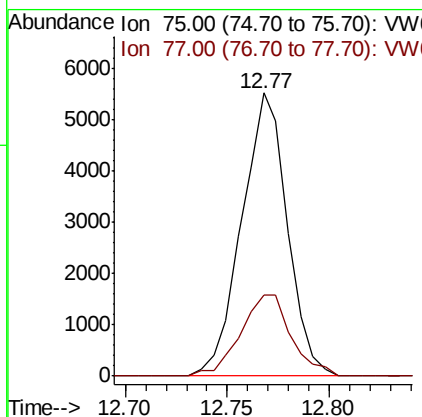
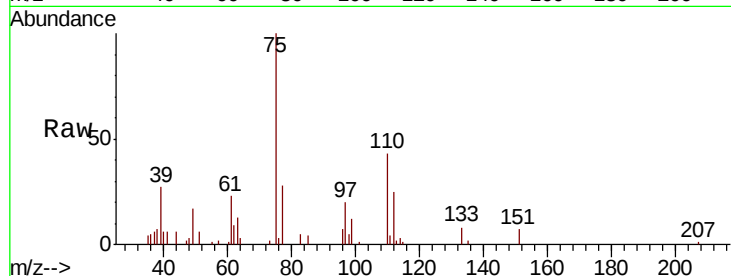
#59
 1,2,3-Trichloropropane
 Concen: 1.992 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 8543
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8

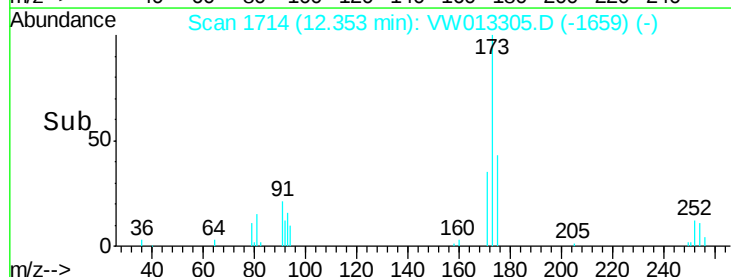
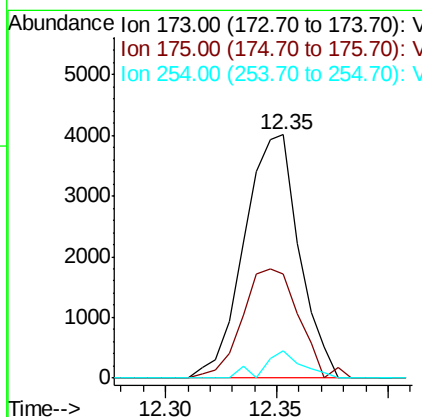
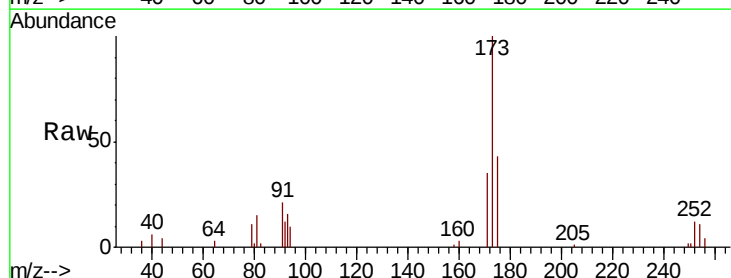
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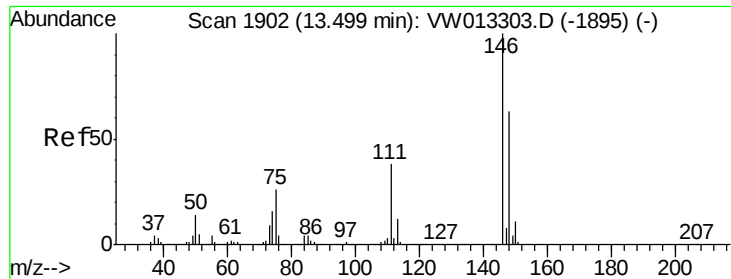
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#62
 Bromoform
 Concen: 1.984 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion: 173 Resp: 6885
 Ion Ratio Lower Upper
 173 100
 175 45.5 39.3 58.9
 254 6.8 9.1 13.7#





#63

1,3-Dichlorobenzene

Concen: 2.027 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

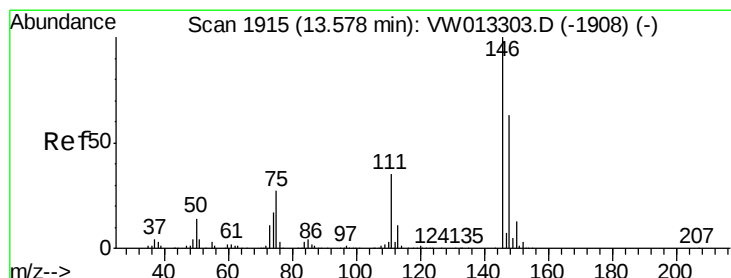
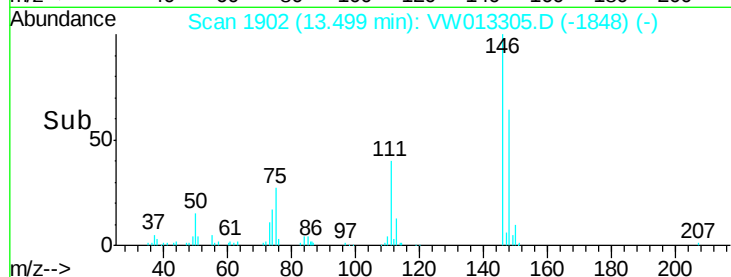
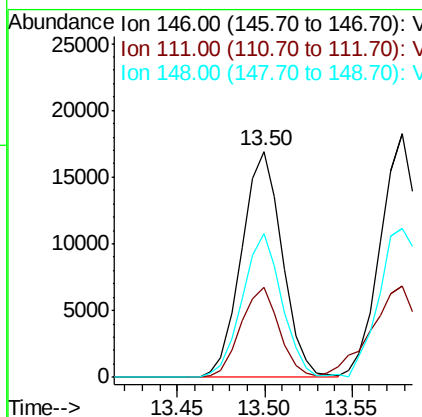
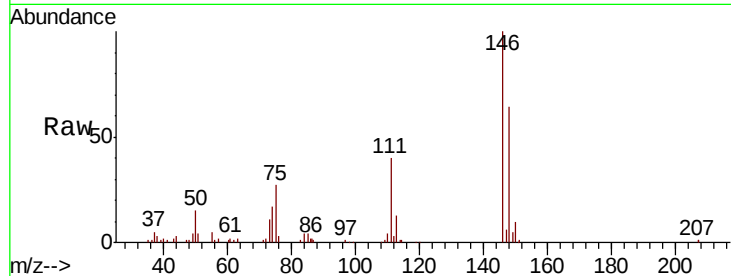
ClientSampleId :

MDL01

Tot Ion:	146	Resp:	27361
Ion Ratio	Lower	Upper	
146	100		
111	39.9	26.7	49.5
148	63.5	45.0	83.6

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#64

1,4-Dichlorobenzene

Concen: 2.092 ug/L

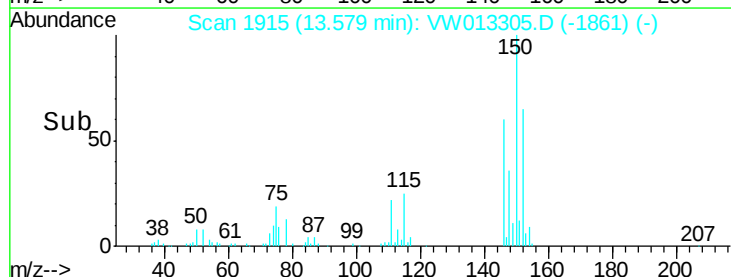
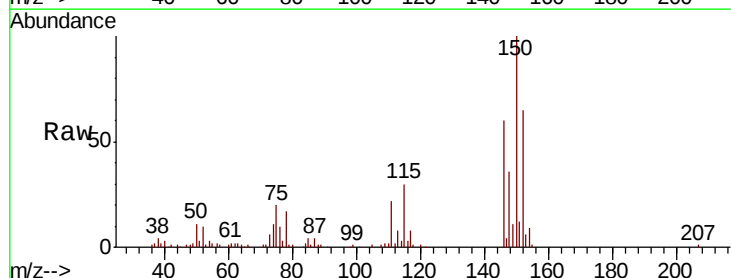
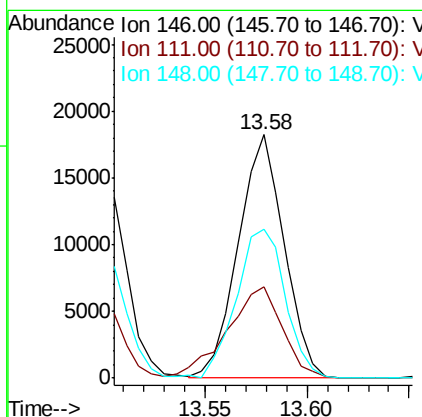
RT: 13.58 min Scan# 1915

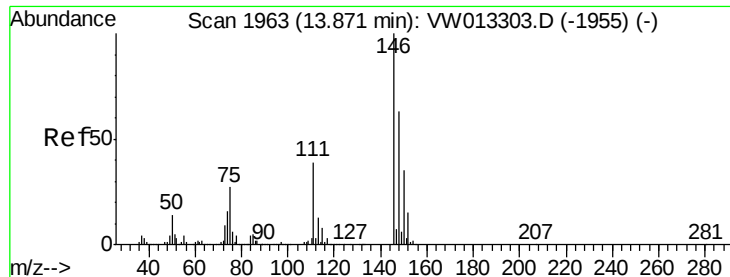
Delta R.T. 0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion:	146	Resp:	28531
Ion Ratio	Lower	Upper	
146	100		
111	37.4	24.2	45.0
148	61.0	45.1	83.7





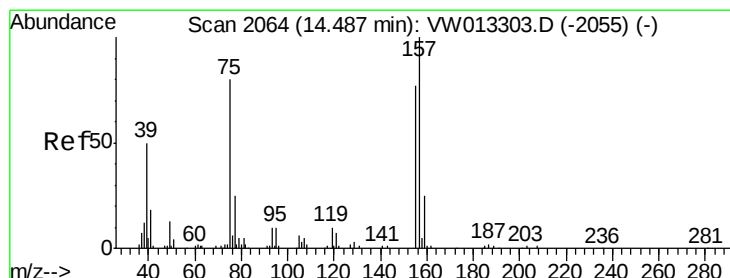
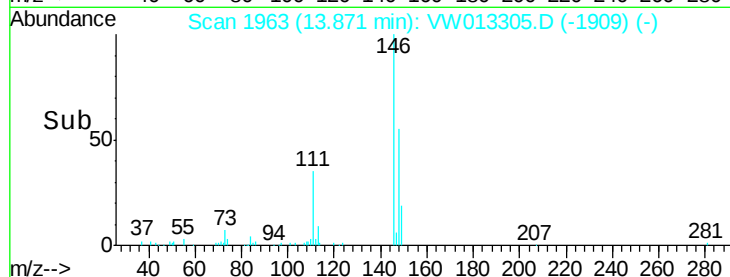
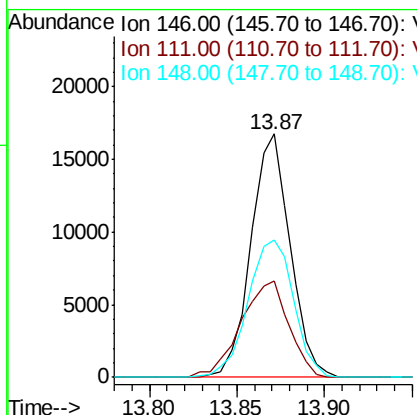
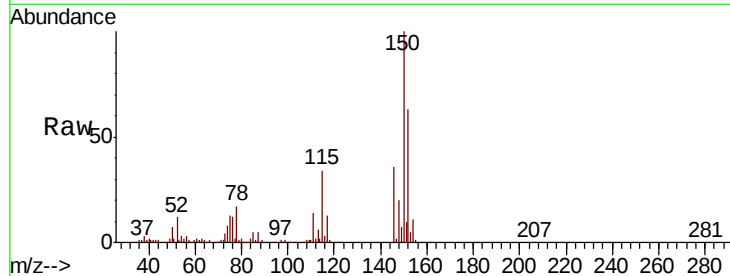
#65
 1,2-Dichlorobenzene
 Concen: 2.124 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	30.8	46.2
148	56.3	52.5	78.7

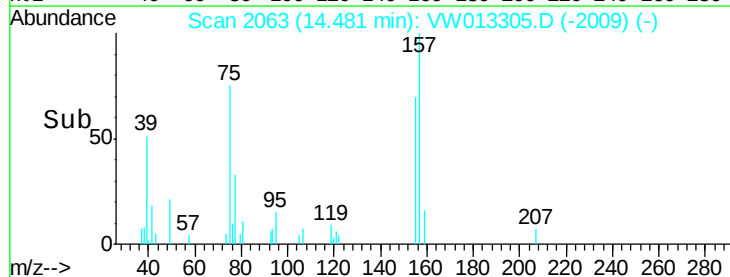
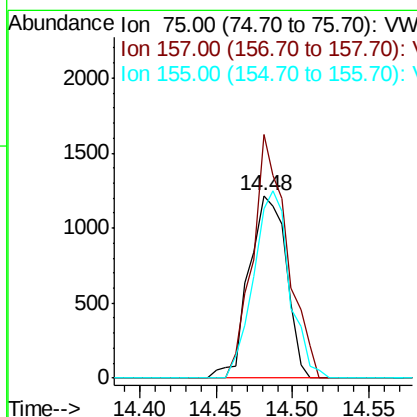
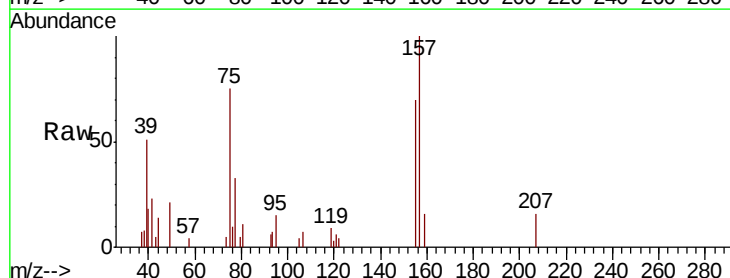
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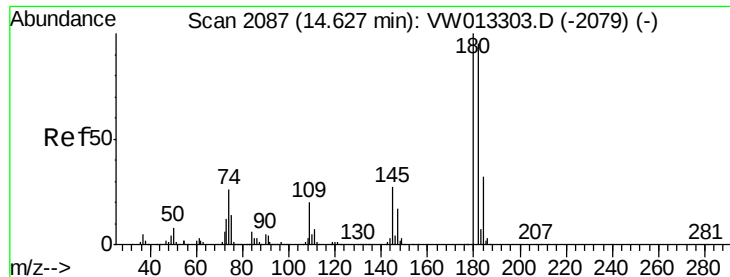
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.137 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion	Ratio	Lower	Upper
75	100		
157	133.4	97.8	146.8
155	92.9	78.4	117.6





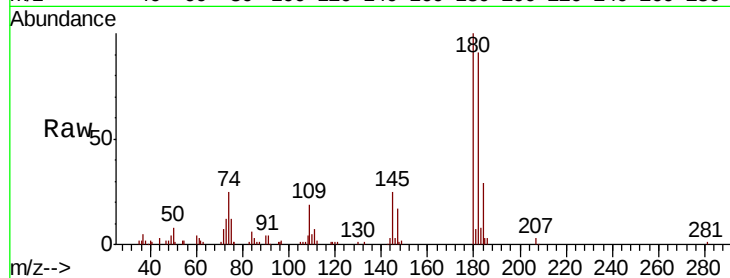
#67
 1,3,5-Trichlorobenzene
 Concen: 1.978 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL01

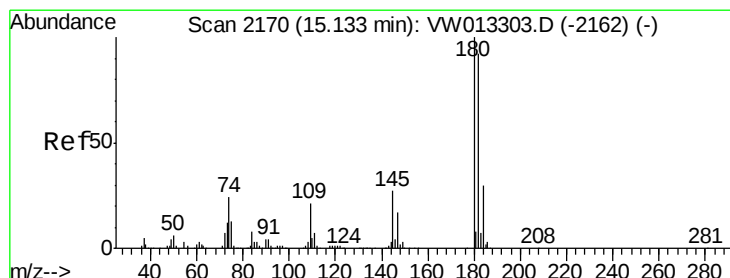
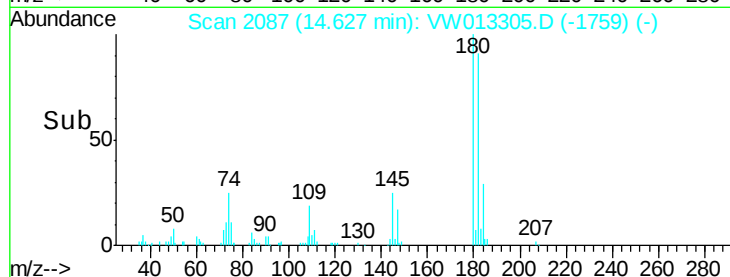
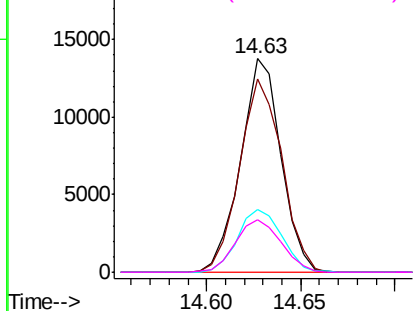
Tot Ion:	180	Resp:	20551
Ion Ratio	Lower	Upper	
180	100		
182	94.8	76.4	114.6
184	31.8	23.9	35.9
145	27.5	21.7	32.5

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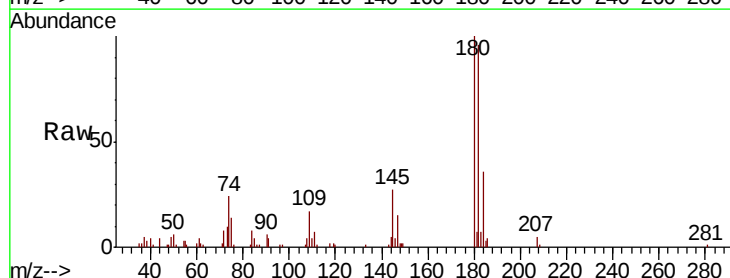


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

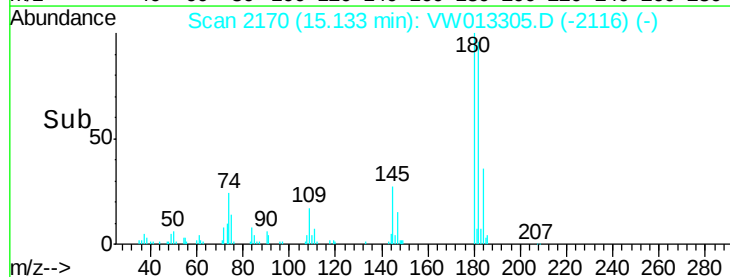
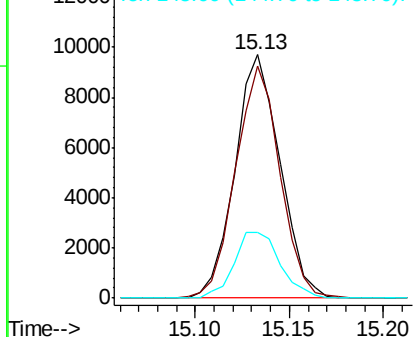


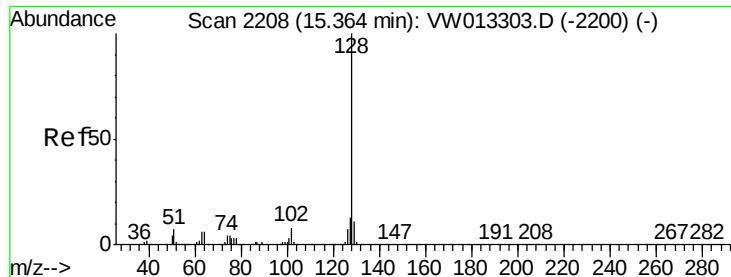
#68
 1,2,4-trichlorobenzene
 Concen: 1.941 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013305.D
 Acq: 26 Sep 2019 14:26

Tgt Ion:	180	Resp:	16099
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.9	113.9
145	27.5	23.0	34.4



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.674 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Instrument :

MSVOA_W

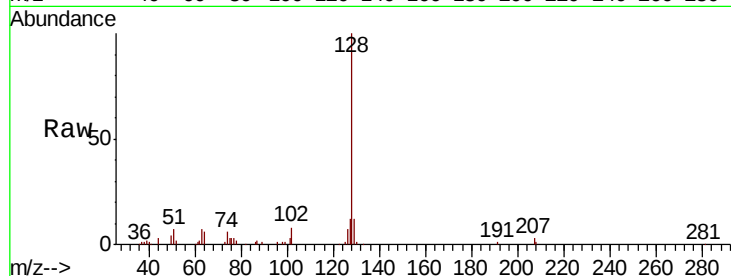
ClientSampleId :

MDL01

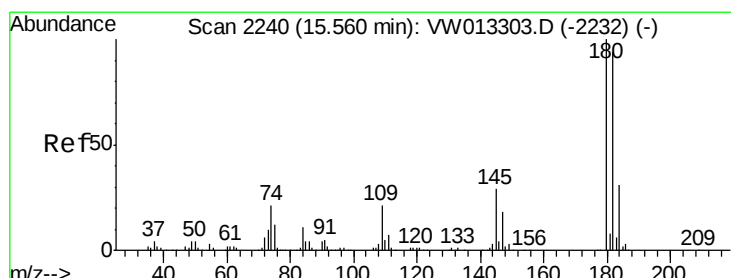
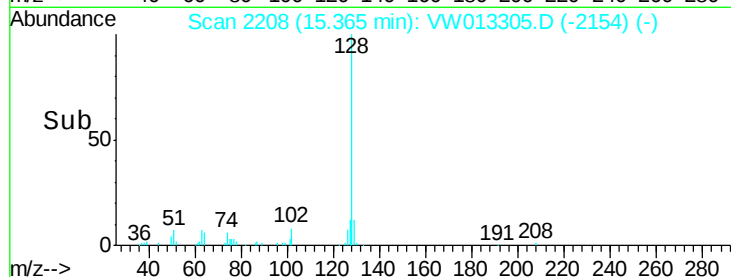
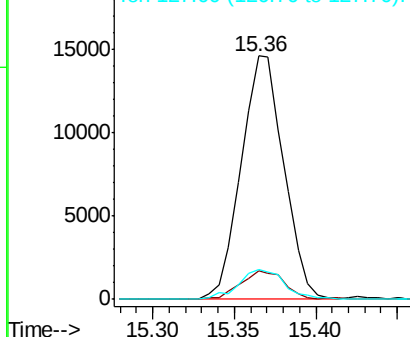
Tot Ion:	128	Resp:	26528
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.7	13.1
127	13.1	10.6	15.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.959 ug/L

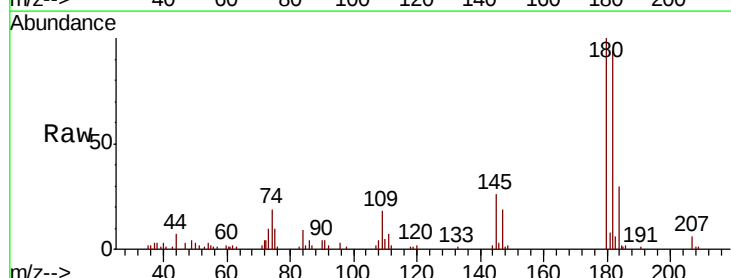
RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW013305.D

Acq: 26 Sep 2019 14:26

Tgt Ion:	180	Resp:	14776
Ion Ratio	Lower	Upper	
180	100		
182	91.9	78.2	117.4
145	15.5	24.1	36.1#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

