

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012952.D
 Acq On : 13 Sep 2019 14:05
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:36 AM

Quant Time: Sep 13 17:05:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	180953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	13785	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
35) Dibromofluoromethane	7.88	113	11940	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
50) Toluene-d8	10.32	98	45535	5.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.30%	
62) 4-Bromofluorobenzene	12.62	95	17461	5.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6457	5.319	ug/l	91
3) Chloromethane	2.21	50	8267	5.325	ug/l	96
4) Vinyl Chloride	2.36	62	9877	4.860	ug/l	96
5) Bromomethane	2.78	94	6855	5.523	ug/l	82
6) Chloroethane	2.92	64	5931	4.758	ug/l	99
7) Trichlorofluoromethane	3.26	101	6620	4.658	ug/l	96
8) Diethyl Ether	3.68	74	5542	4.994	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11676	5.417	ug/l	98
10) Methyl Iodide	4.27	142	12461	4.619	ug/l	98
11) Tert butyl alcohol	5.15	59	6832	33.239	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	9846	5.024	ug/l	96
13) Acrolein	3.88	56	3360	17.467	ug/l	92
14) Allyl chloride	4.65	41	17902	4.811	ug/l	99
15) Acrylonitrile	5.36	53	13735	24.232	ug/l	94
16) Acetone	4.12	43	18750	30.098	ug/l	100
17) Carbon Disulfide	4.37	76	17284	4.425	ug/l	96
18) Methyl Acetate	4.66	43	9147	6.122	ug/l #	74
19) Methyl tert-butyl Ether	5.42	73	19195	4.961	ug/l	92
20) Methylene Chloride	4.92	84	15808	6.413	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	10889	5.187	ug/l	94
22) Diisopropyl ether	6.31	45	38296	4.954	ug/l	98
23) Vinyl Acetate	6.25	43	105196	22.722	ug/l	98
24) 1,1-Dichloroethane	6.21	63	22981	5.156	ug/l	95
25) 2-Butanone	7.17	43	21768	26.105	ug/l	94
26) 2,2-Dichloropropane	7.16	77	18840	5.962	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	12691	5.050	ug/l	91
28) Bromochloromethane	7.51	49	9841	5.246	ug/l #	97
29) Tetrahydrofuran	7.53	42	11263	23.705	ug/l	96
30) Chloroform	7.68	83	24304	5.367	ug/l	91
31) Cyclohexane	7.95	56	23385	6.158	ug/l #	83
32) 1,1,1-Trichloroethane	7.87	97	19220	5.154	ug/l	94
36) 1,1-Dichloropropene	8.08	75	16934	5.088	ug/l	96
37) Ethyl Acetate	7.26	43	9019	5.105	ug/l	99
38) Carbon Tetrachloride	8.06	117	17049	4.999	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	17535	4.808	ug/l	98
40) Benzene	8.32	78	46474	5.002	ug/l	96
41) Methacrylonitrile	7.48	41	5822	5.004	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	16019	5.143	ug/l	100
43) Isopropyl Acetate	8.42	43	16371	4.826	ug/l	99
44) Trichloroethene	9.09	130	12930	5.080	ug/l	89
45) 1,2-Dichloropropane	9.37	63	12526	5.074	ug/l	97
46) Dibromomethane	9.46	93	5869	4.962	ug/l	97
47) Bromodichloromethane	9.64	83	16027	4.831	ug/l	93
48) Methyl methacrylate	9.43	41	7224	4.538	ug/l	99
49) 1,4-Dioxane	9.44	88	2075	104.704	ug/l #	61
51) 4-Methyl-2-Pentanone	10.21	43	41723	23.825	ug/l	99
52) Toluene	10.38	92	29133	4.934	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	15901	4.766	ug/l	90
54) cis-1,3-Dichloropropene	10.07	75	17919	4.694	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	9125	5.065	ug/l	97
56) Ethyl methacrylate	10.65	69	10760	4.437	ug/l #	94
57) 1,3-Dichloropropane	10.93	76	16090	5.034	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	30696	23.595	ug/l	96
59) 2-Hexanone	10.97	43	28367	23.263	ug/l	100
60) Dibromochloromethane	11.13	129	10792	4.954	ug/l	95
61) 1,2-Dibromoethane	11.23	107	7942	4.832	ug/l	92
64) Tetrachloroethene	10.86	164	11131	5.197	ug/l	93
65) Chlorobenzene	11.66	112	34575	5.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	12842	5.226	ug/l	96
67) Ethyl Benzene	11.73	91	59373	5.013	ug/l	100
68) m/p-Xylenes	11.84	106	42295	9.775	ug/l	97
69) o-Xylene	12.16	106	20226	4.986	ug/l	98
70) Styrene	12.18	104	34980	4.848	ug/l	99
71) Bromoform	12.35	173	6157	4.770	ug/l #	99
73) Isopropylbenzene	12.46	105	58857	4.907	ug/l	100
74) N-amyl acetate	12.27	43	14542	4.713	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	10639	5.050	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8899m	5.829	ug/l	
77) Bromobenzene	12.74	156	14456	5.232	ug/l	97
78) n-propylbenzene	12.80	91	70465	4.994	ug/l	99
79) 2-Chlorotoluene	12.89	91	41419	5.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	51876	5.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	3366	4.817	ug/l	97
82) 4-Chlorotoluene	12.99	91	44859	5.242	ug/l	99
83) tert-Butylbenzene	13.21	119	46863	5.163	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	50742	5.061	ug/l	99
85) sec-Butylbenzene	13.38	105	63693	5.151	ug/l	99
86) p-Isopropyltoluene	13.50	119	58000	5.109	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	29851	5.457	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	29208	5.434	ug/l	92
89) n-Butylbenzene	13.82	91	54016	5.045	ug/l	99
90) Hexachloroethane	14.09	117	10694	5.256	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	25940	5.393	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.48	75	2012	5.218	ug/l	94

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VSTDICC005

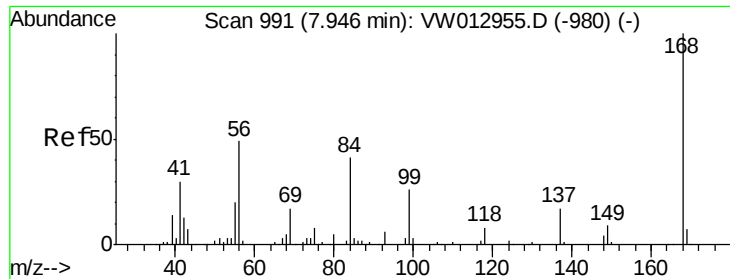
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	16913	4.930	ug/l	96
94) Hexachlorobutadiene	15.23	225	13397	5.517	ug/l	96
95) Naphthalene	15.36	128	24447	4.265	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	15461	5.098	ug/l	98

(#) = 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: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:168 Resp: 283947

Ion Ratio Lower Upper

168 100

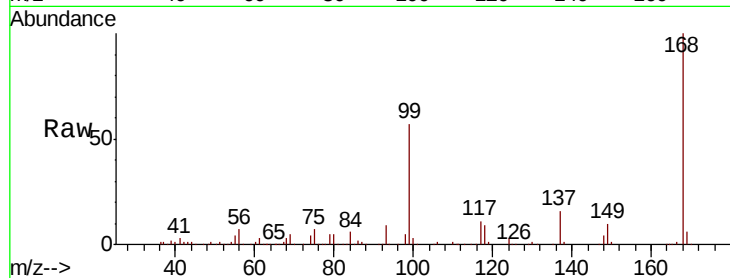
99 56.9 46.2 69.2

Manual Integrations

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9/16/2019 12:43:36 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

100000

50000

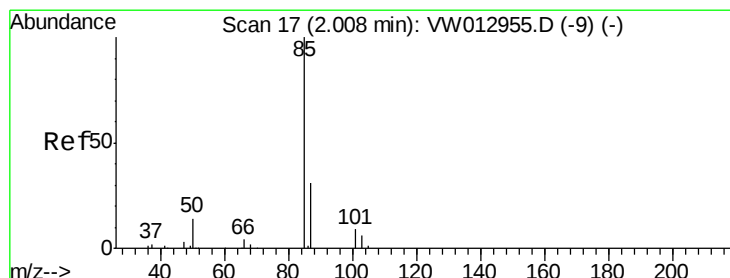
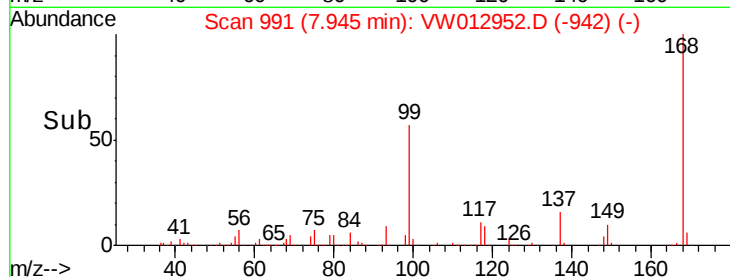
0

7.95

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 5.319 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012952.D

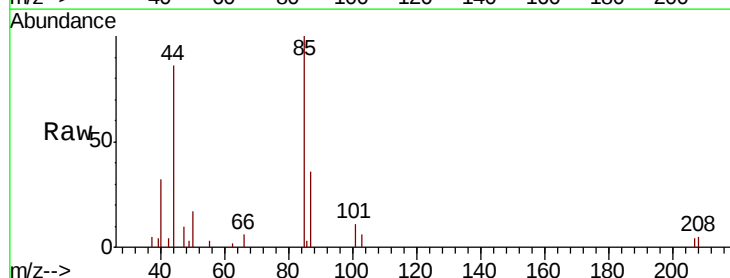
Acq: 13 Sep 2019 14:05

Tgt Ion: 85 Resp: 6457

Ion Ratio Lower Upper

85 100

87 36.0 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2500

2000

1500

1000

500

0

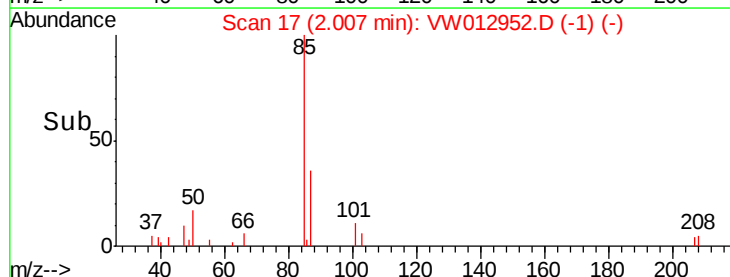
2.01

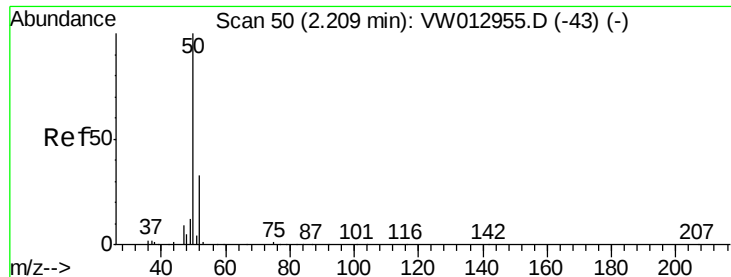
1.95

2.05

2.10

Time-->





#3

Chloromethane

Concen: 5.325 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 8267

Ion Ratio Lower Upper

50 100

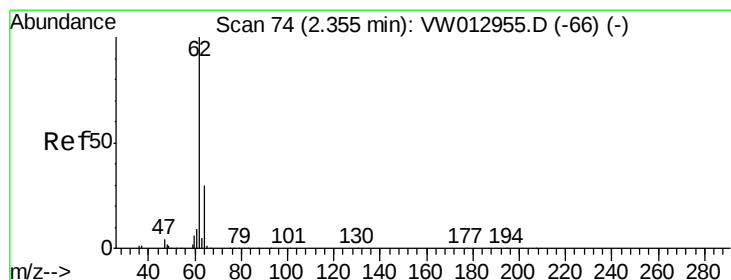
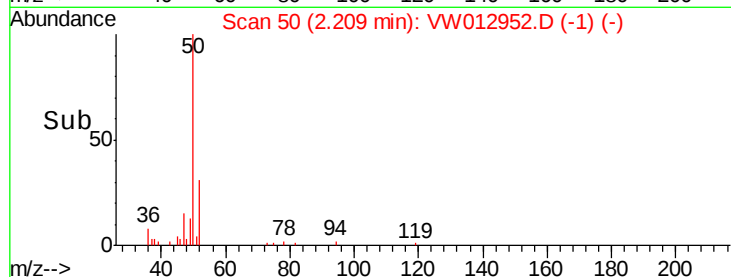
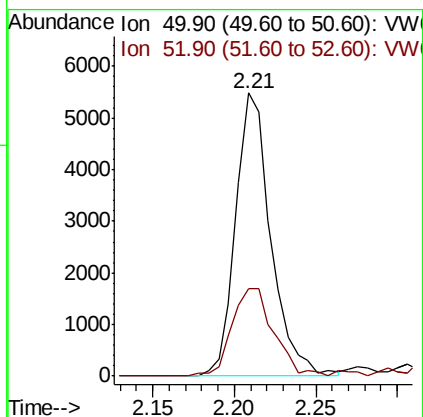
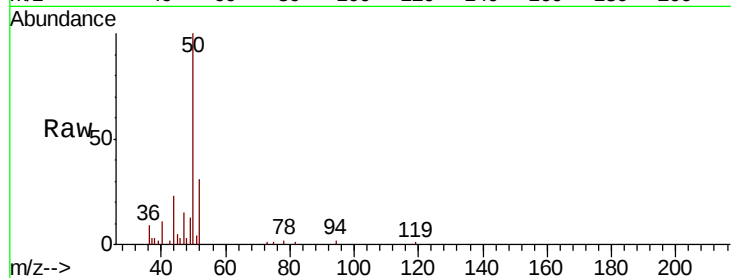
52 31.1 26.6 39.8

Manual Integrations

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9/16/2019 12:43:36 AM



#4

Vinyl Chloride

Concen: 4.860 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW012952.D

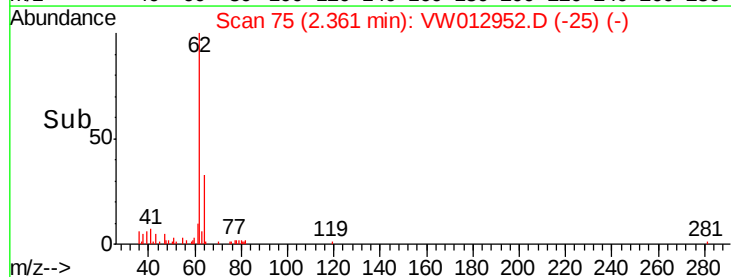
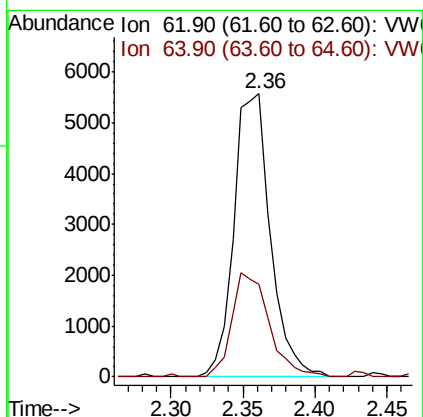
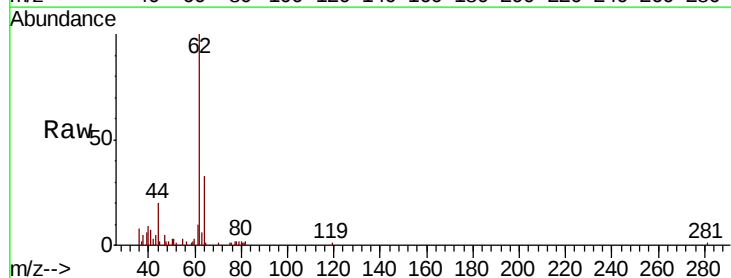
Acq: 13 Sep 2019 14:05

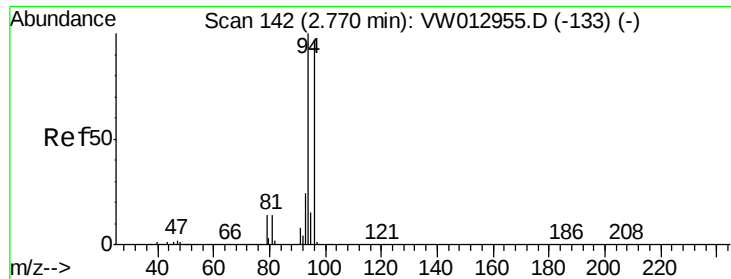
Tgt Ion: 62 Resp: 9877

Ion Ratio Lower Upper

62 100

64 32.5 24.2 36.4





#5

Bromomethane

Concen: 5.523 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 6855

Ion Ratio Lower Upper

94 100

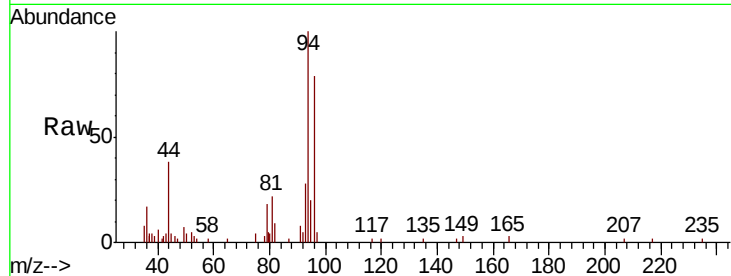
96 79.1 77.8 116.6

Manual Integrations

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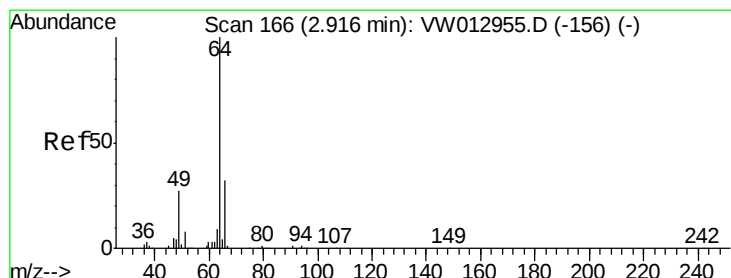
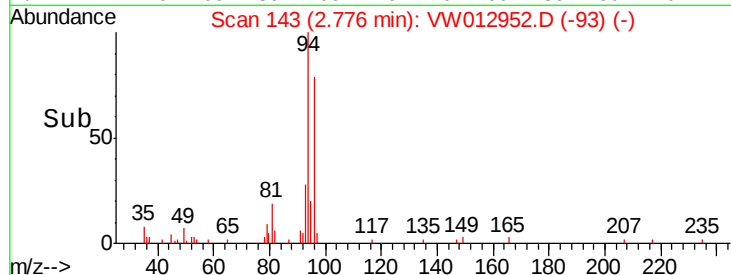
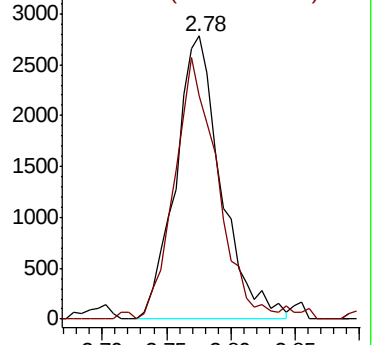
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 4.758 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW012952.D

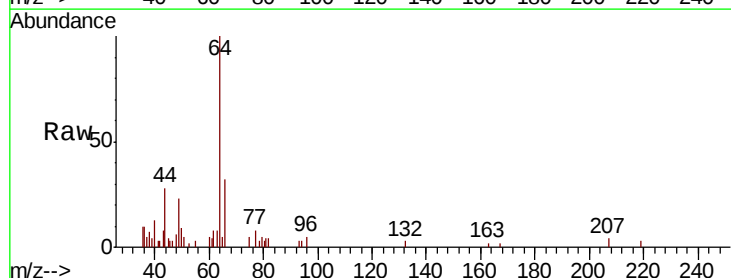
Acq: 13 Sep 2019 14:05

Tgt Ion: 64 Resp: 5931

Ion Ratio Lower Upper

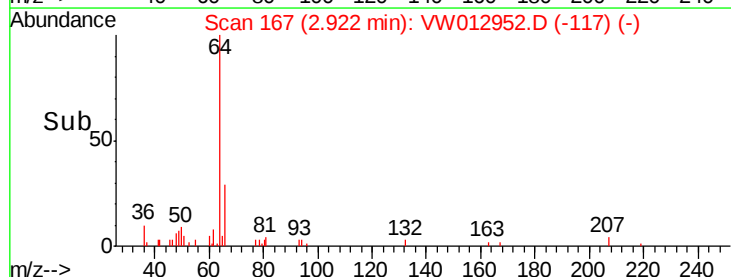
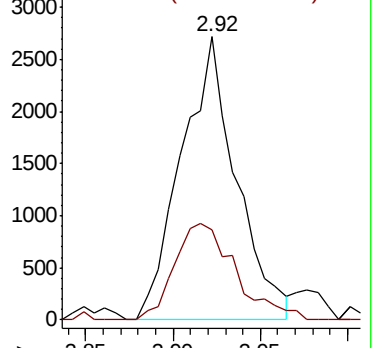
64 100

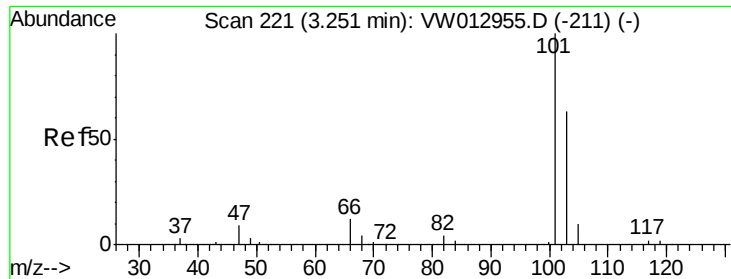
66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

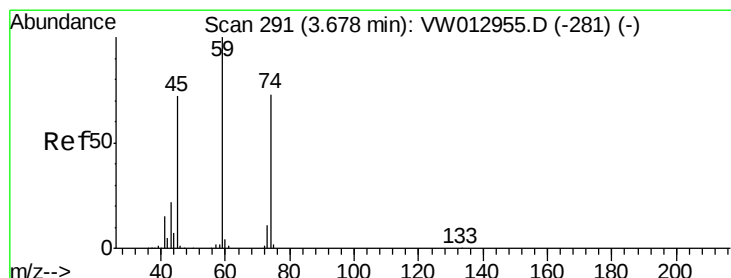
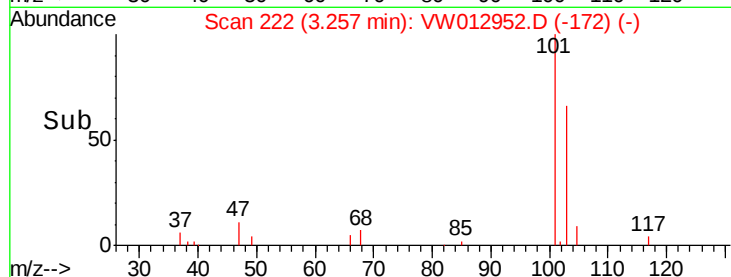
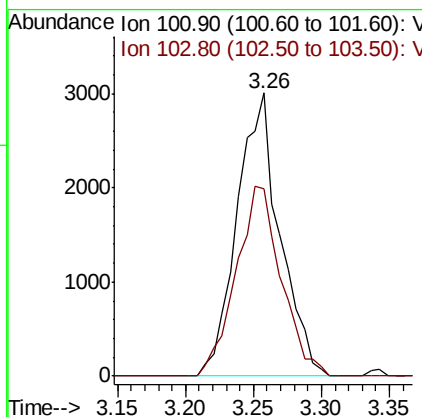
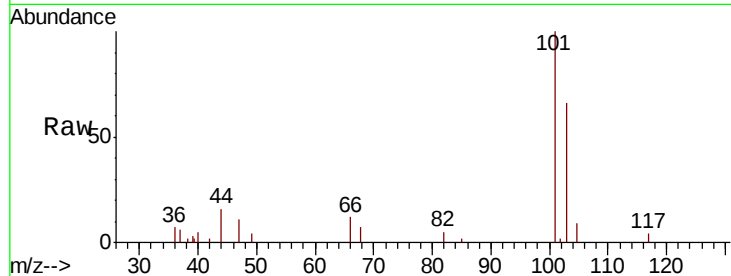
Trichlorofluoromethane
 Concen: 4.658 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 101 Resp: 6620
 Ion Ratio Lower Upper
 101 100
 103 66.2 50.7 76.1

Manual Integrations
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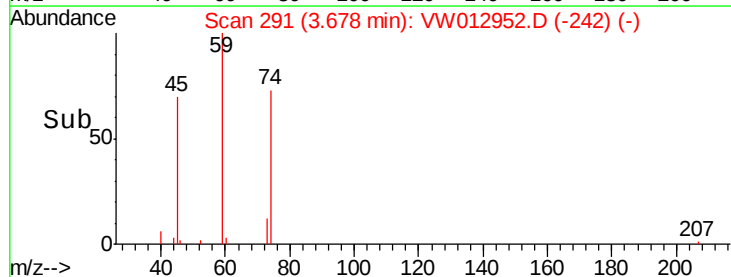
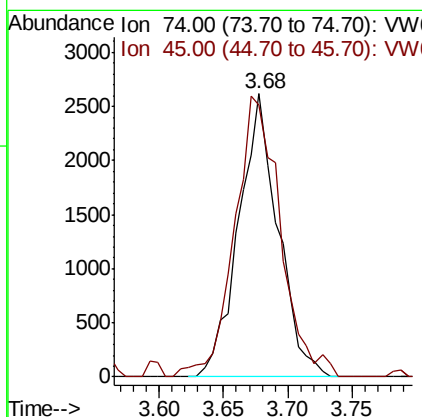
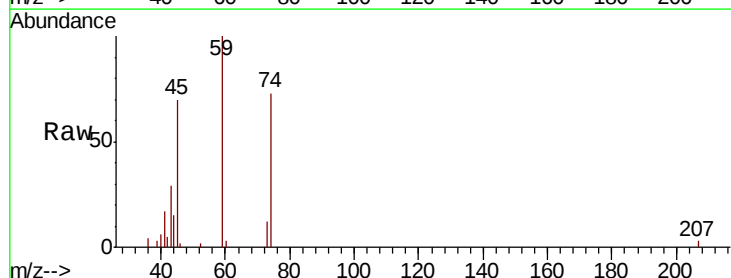
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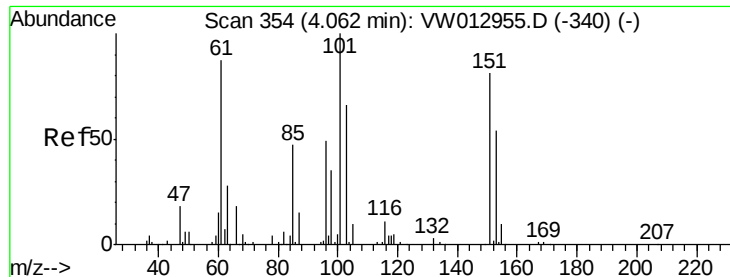


#8

Diethyl Ether
 Concen: 4.994 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 74 Resp: 5542
 Ion Ratio Lower Upper
 74 100
 45 115.3 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.417 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

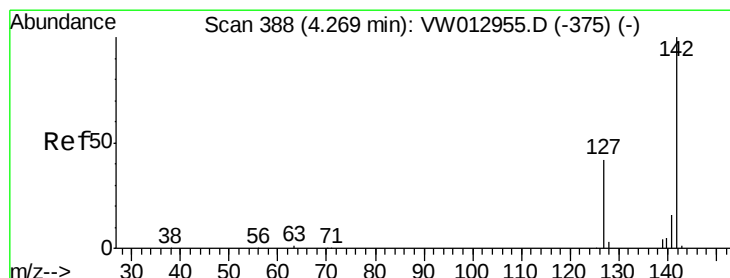
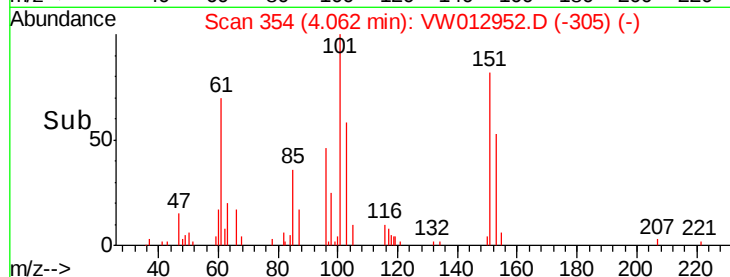
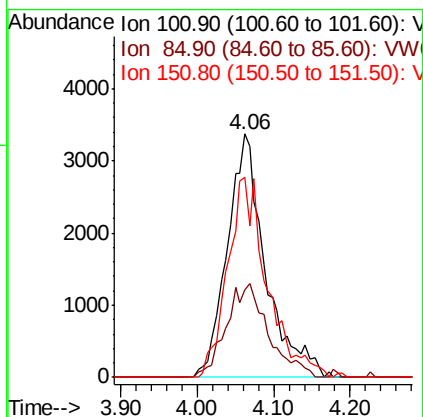
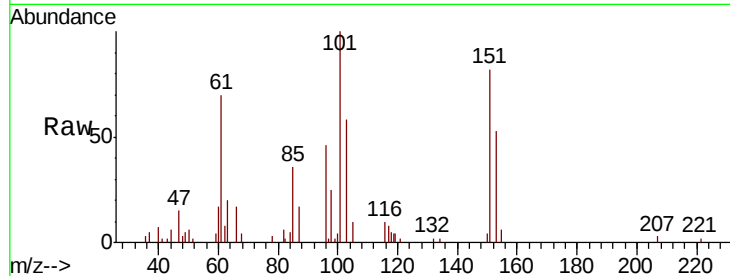
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	11676
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.9	52.3
151	84.9	66.0	99.0

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#10

Methyl Iodide

Concen: 4.619 ug/l

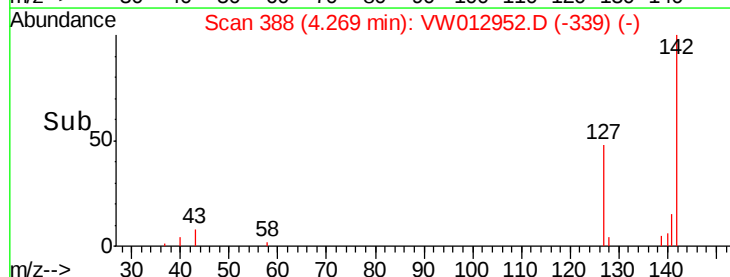
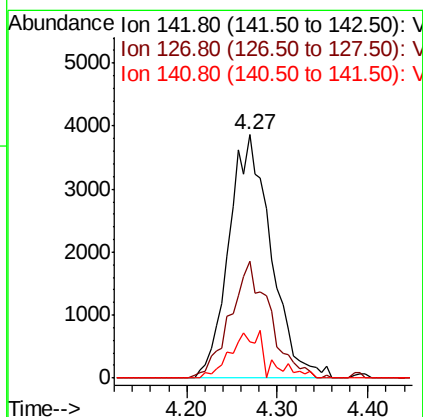
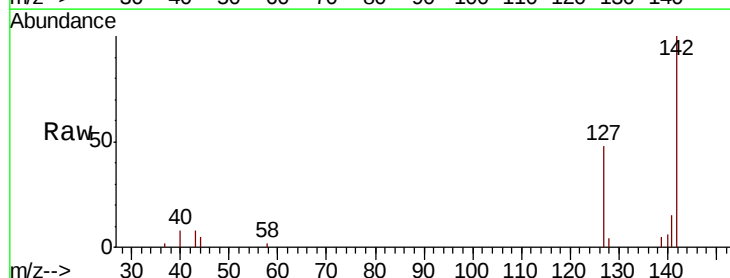
RT: 4.27 min Scan# 388

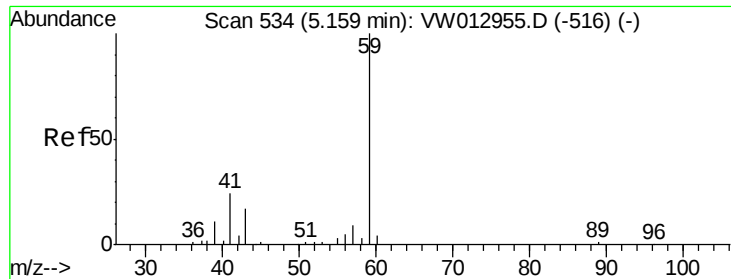
Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion:	142	Resp:	12461
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.7	52.1
141	14.8	12.2	18.2





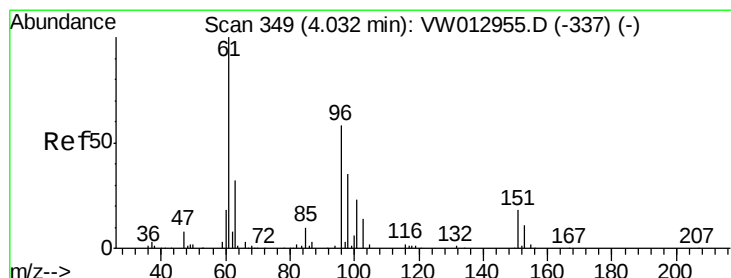
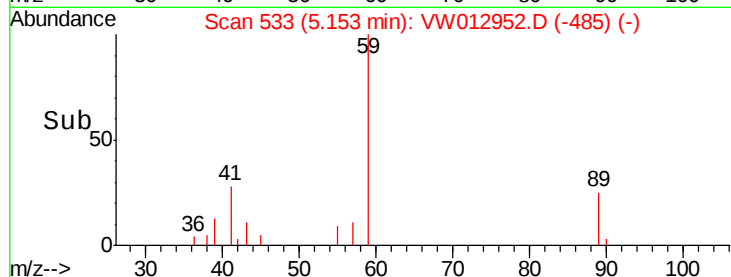
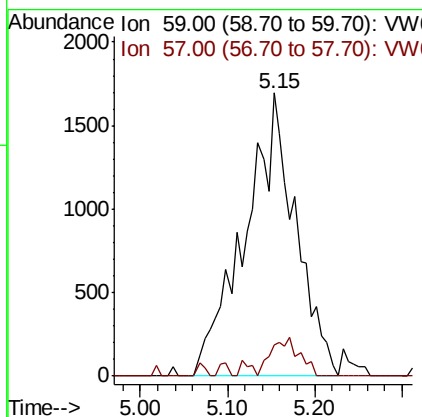
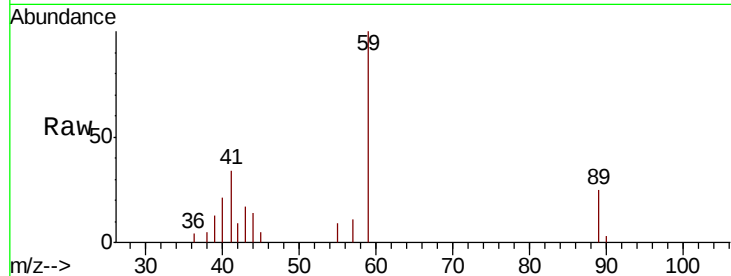
#11
Tert butyl alcohol
Concen: 33.239 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 6832
Ion Ratio Lower Upper
59 100
57 7.7 8.5 12.7#

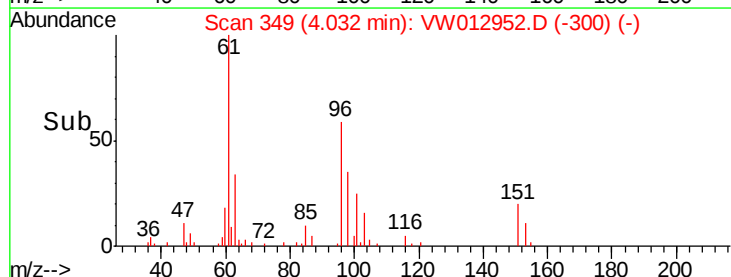
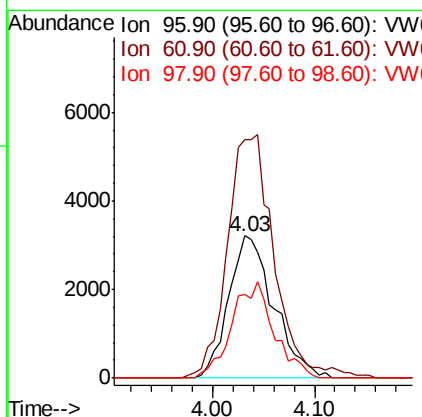
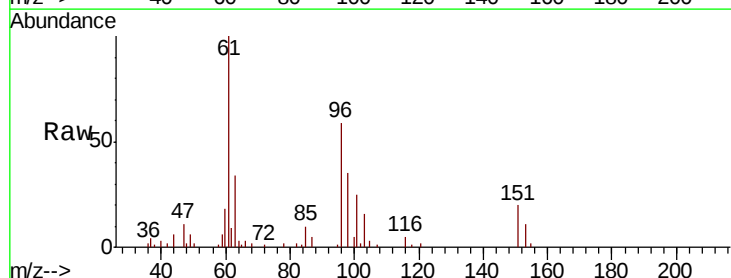
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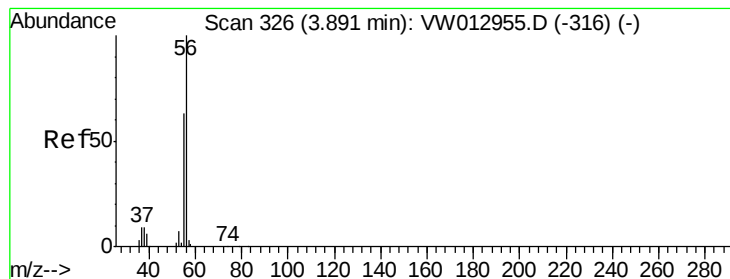
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#12
1,1-Dichloroethene
Concen: 5.024 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 96 Resp: 9846
Ion Ratio Lower Upper
96 100
61 166.5 137.9 206.9
98 58.5 48.9 73.3





#13

Acrolein

Concen: 17.467 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tgt Ion: 56 Resp: 3360

Ion Ratio Lower Upper

56 100

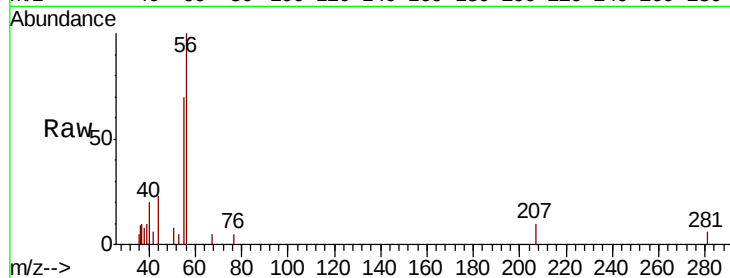
55 76.7 55.8 83.8

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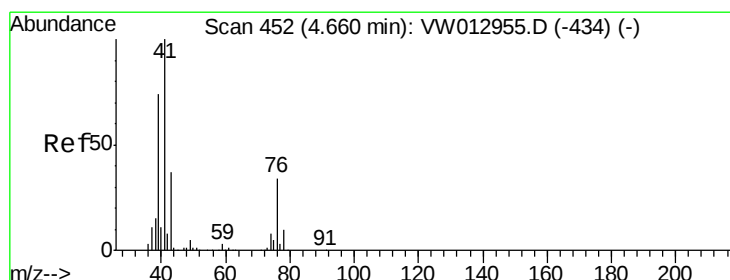
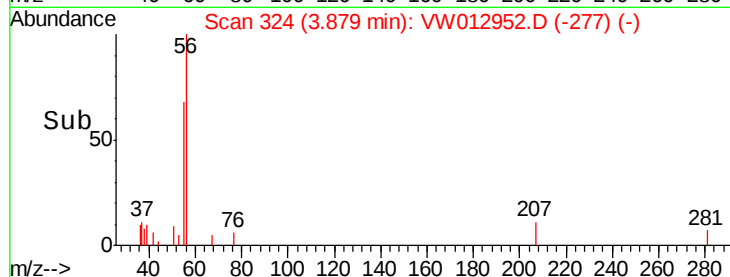
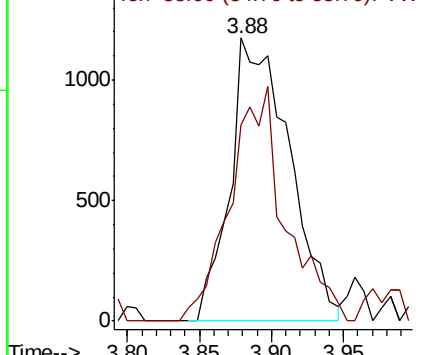
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.811 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

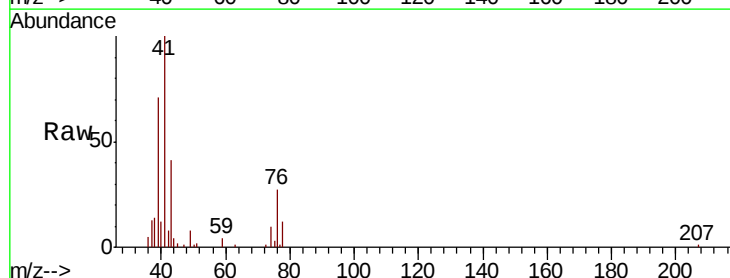
Tgt Ion: 41 Resp: 17902

Ion Ratio Lower Upper

41 100

39 72.5 56.7 85.1

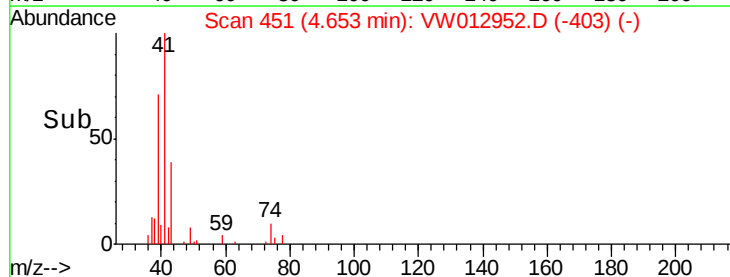
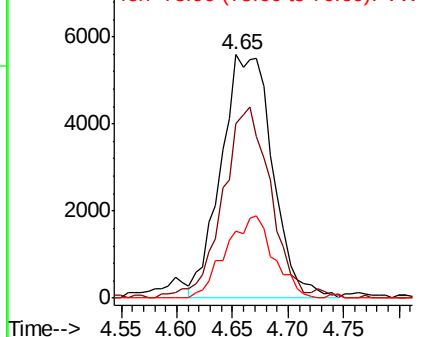
76 31.4 25.1 37.7

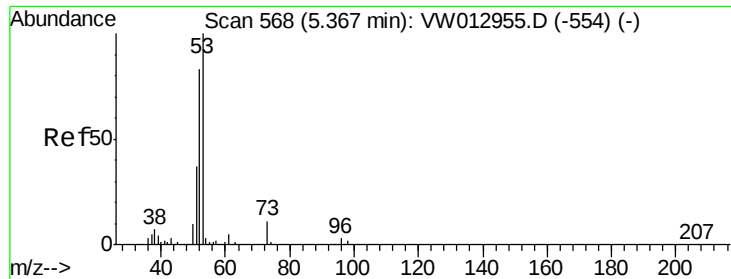


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 24.232 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

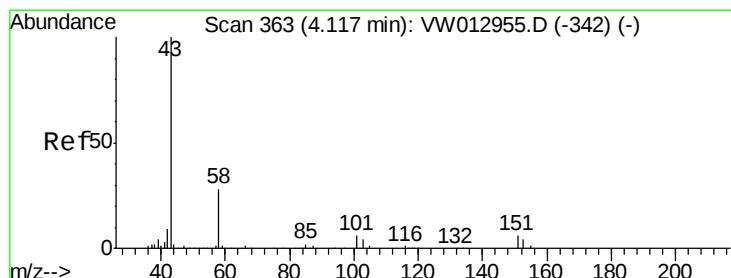
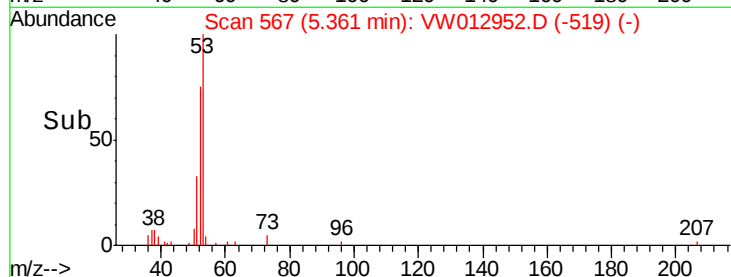
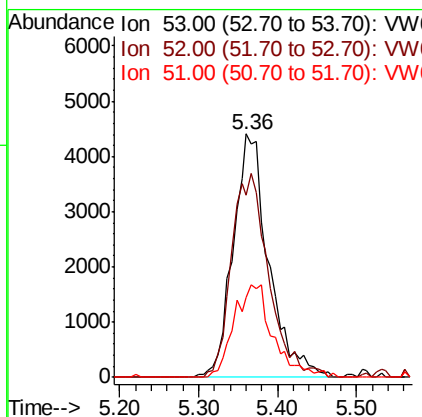
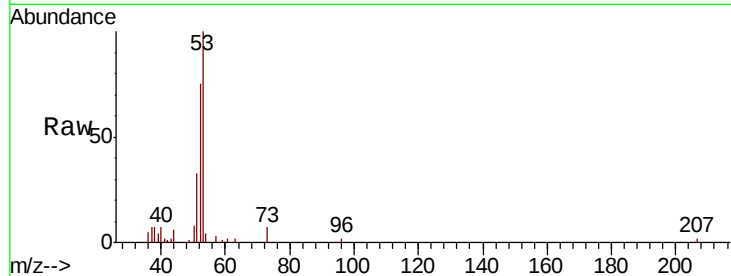
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	13735
Ion	Ratio	Lower	Upper
53	100		
52	87.7	66.6	100.0
51	42.1	29.8	44.8

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#16

Acetone

Concen: 30.098 ug/l

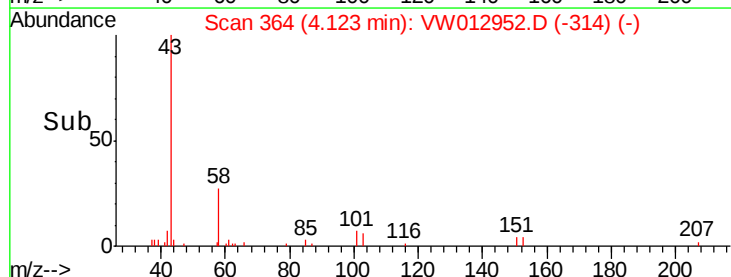
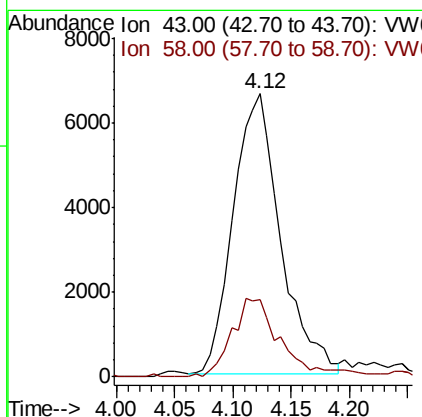
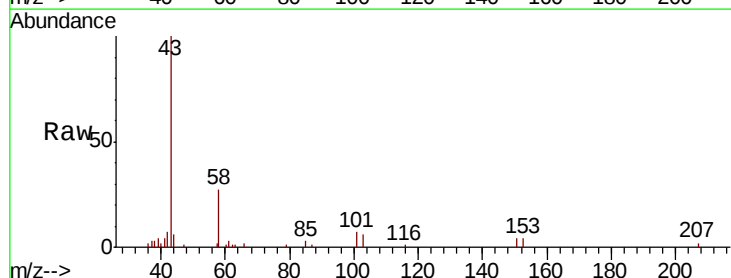
RT: 4.12 min Scan# 364

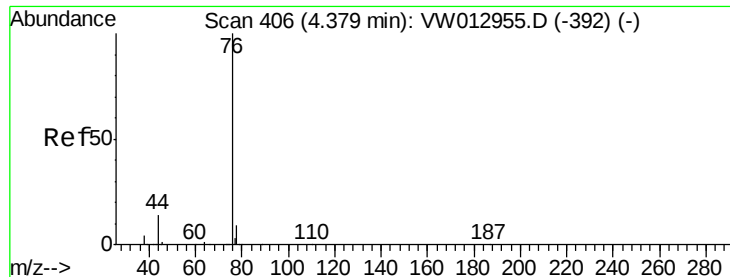
Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion:	43	Resp:	18750
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.3	33.5





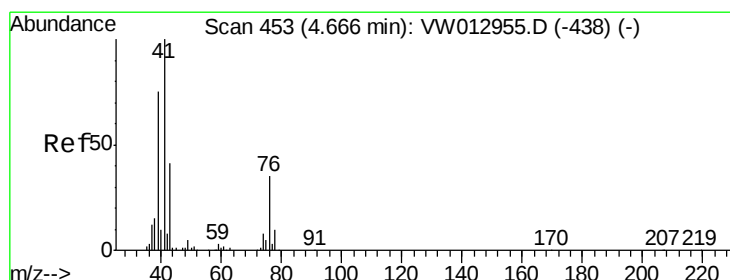
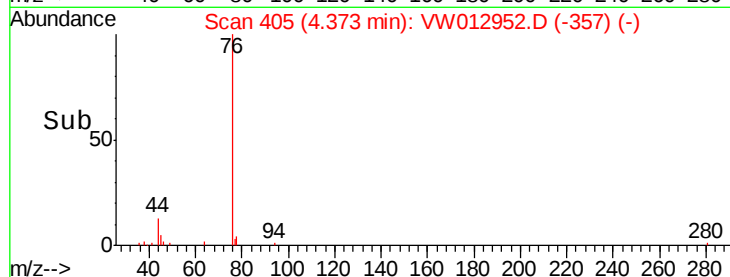
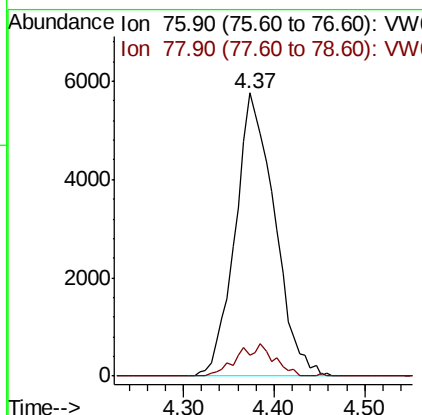
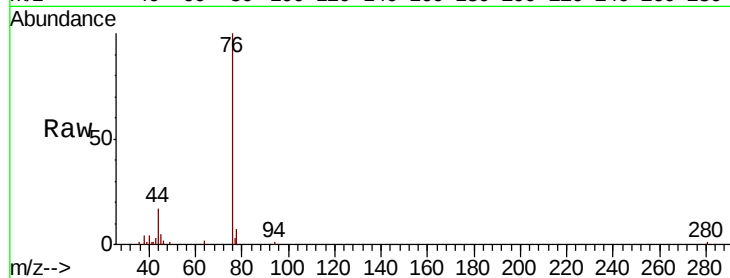
#17
Carbon Disulfide
Concen: 4.425 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 17284
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.4

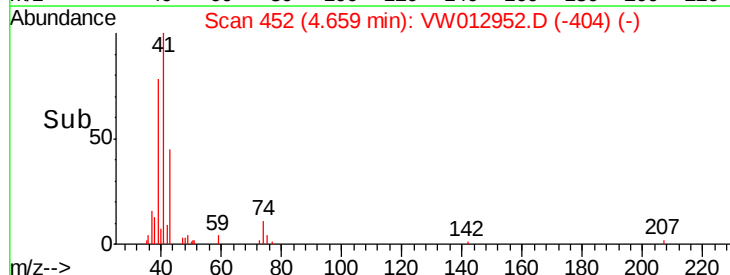
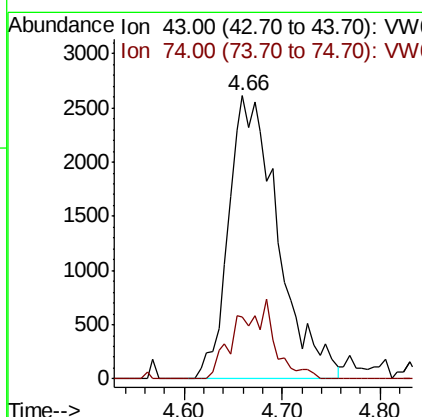
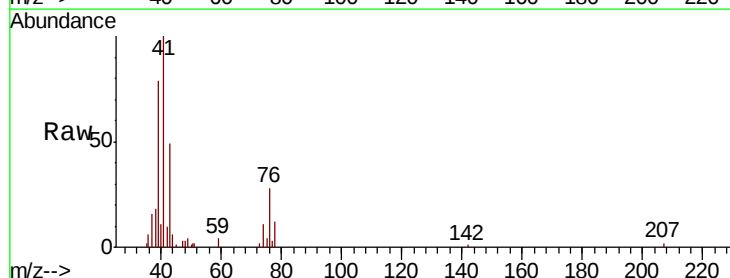
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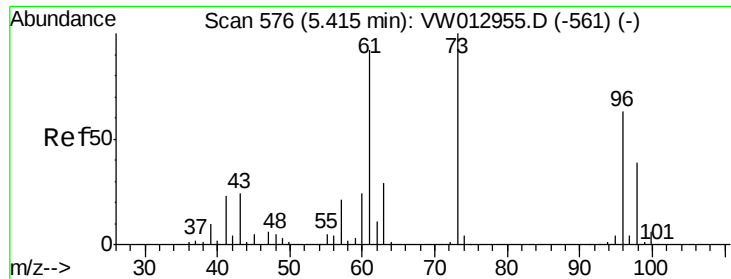
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#18
Methyl Acetate
Concen: 6.122 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 43 Resp: 9147
Ion Ratio Lower Upper
43 100
74 10.1 17.8 26.8#





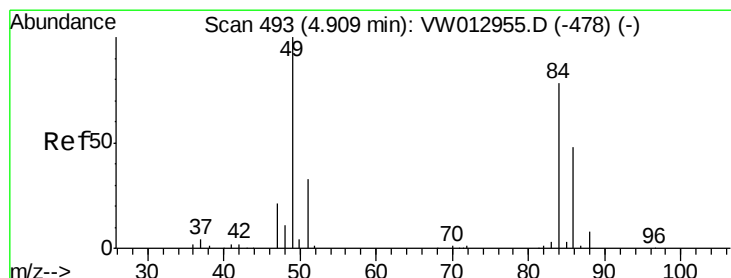
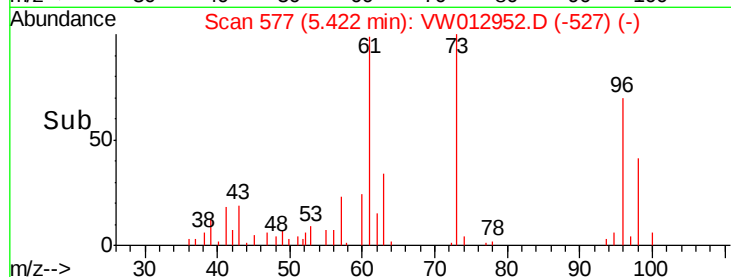
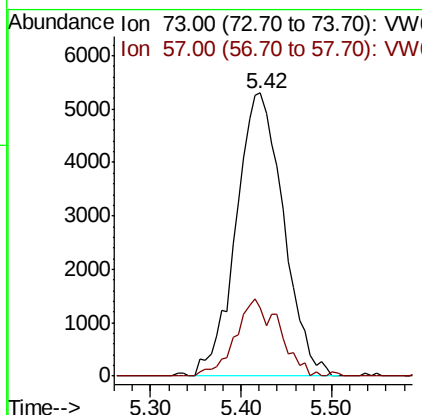
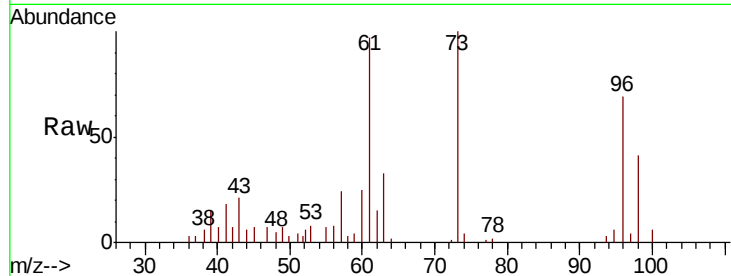
#19
Methyl tert-butyl Ether
Concen: 4.961 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 19195
Ion Ratio Lower Upper
73 100
57 24.2 16.4 24.6

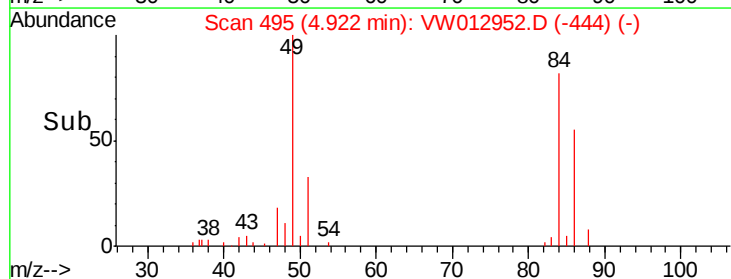
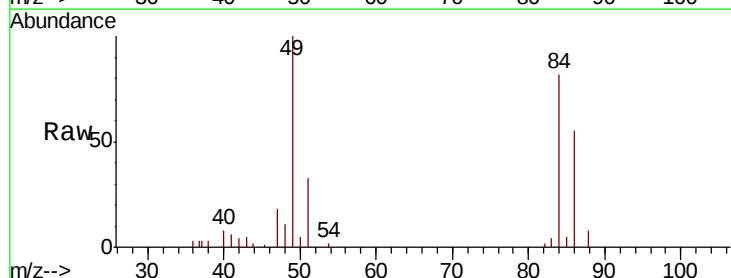
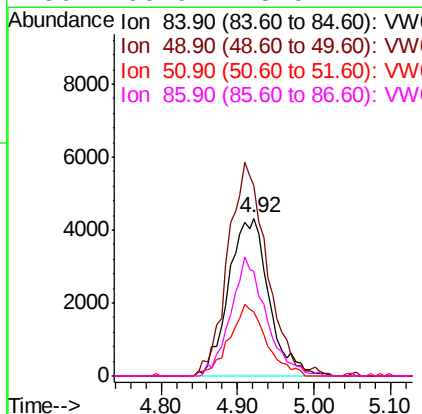
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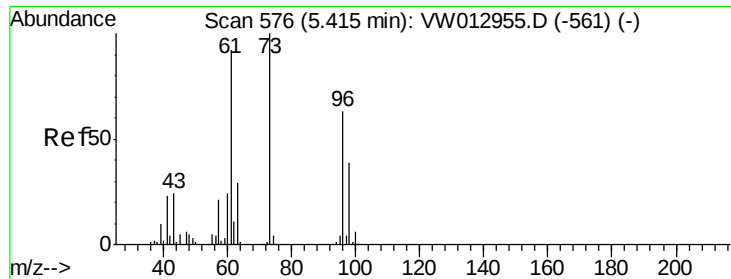
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#20
Methylene Chloride
Concen: 6.413 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 84 Resp: 15808
Ion Ratio Lower Upper
84 100
49 121.3 102.0 153.0
51 40.5 34.0 51.0
86 66.9 48.5 72.7





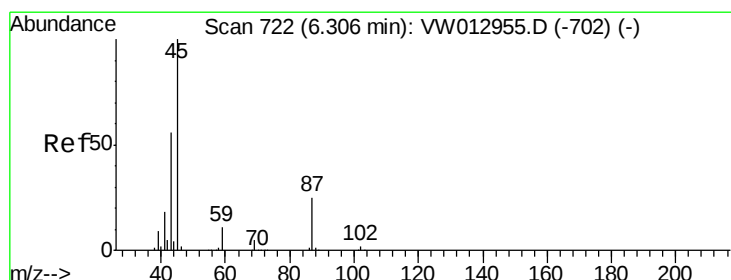
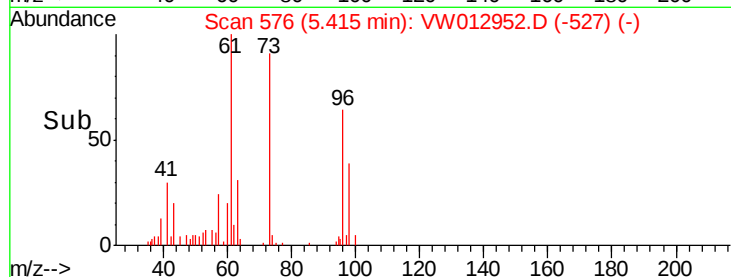
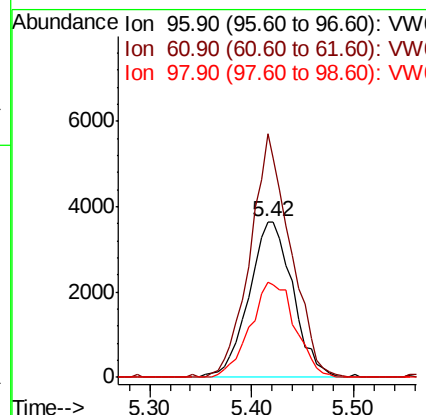
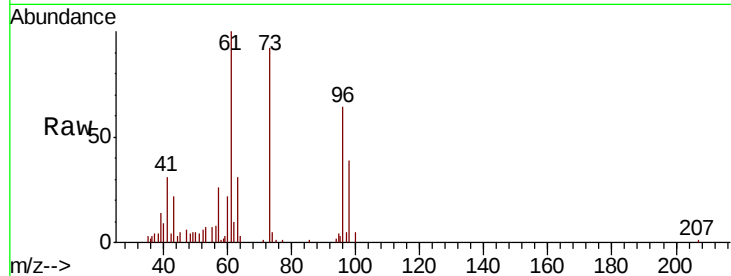
#21
trans-1,2-Dichloroethene
Concen: 5.187 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	116.2	174.2
98	61.4	49.8	74.6

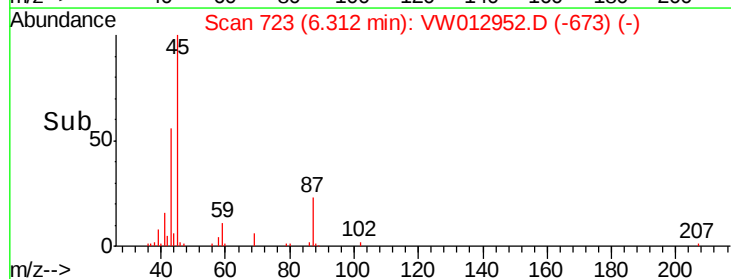
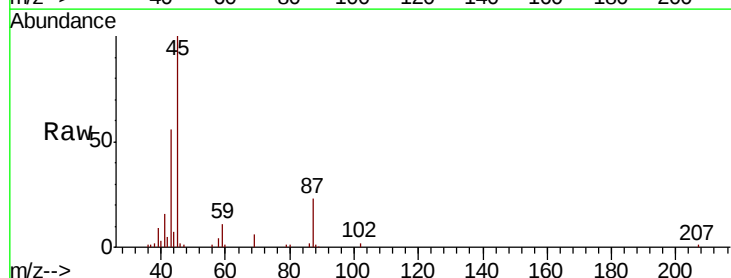
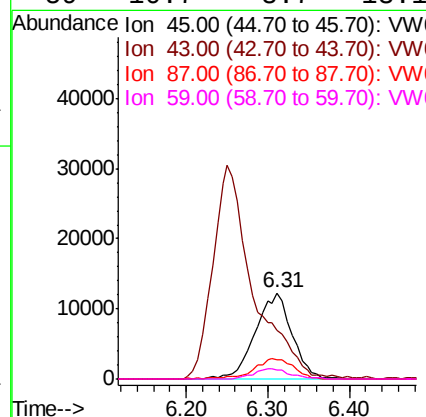
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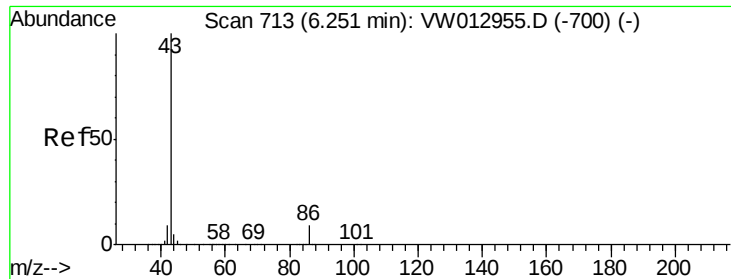
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#22
Diisopropyl ether
Concen: 4.954 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.6	44.6	67.0
87	22.9	20.0	30.0
59	10.7	8.7	13.1





#23

Vinyl Acetate

Concen: 22.722 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 105196

Ion Ratio Lower Upper

43 100

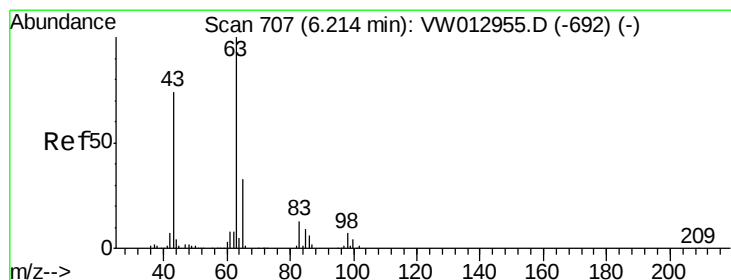
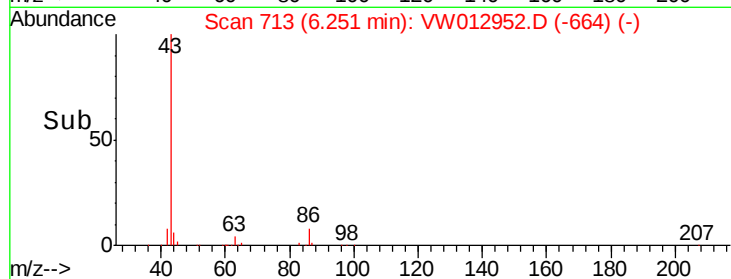
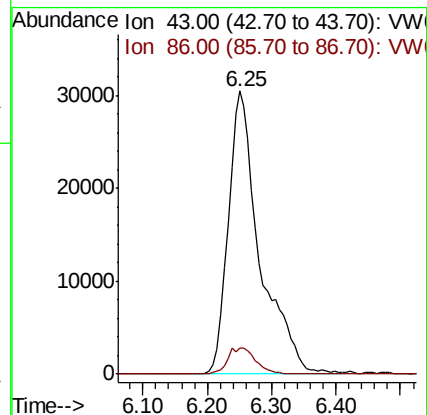
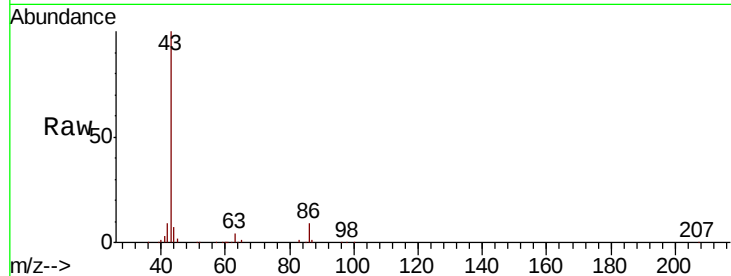
86 9.4 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 5.156 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

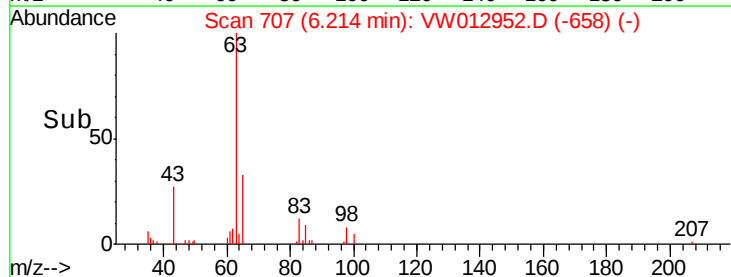
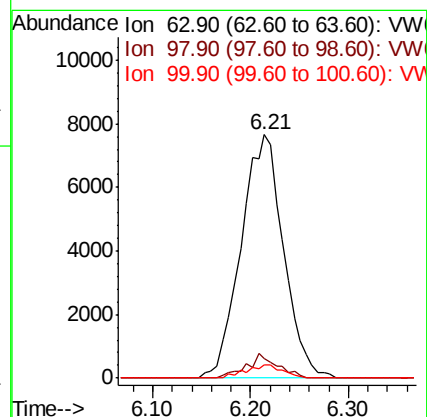
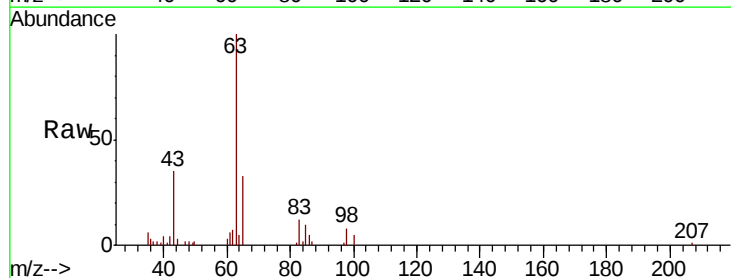
Tgt Ion: 63 Resp: 22981

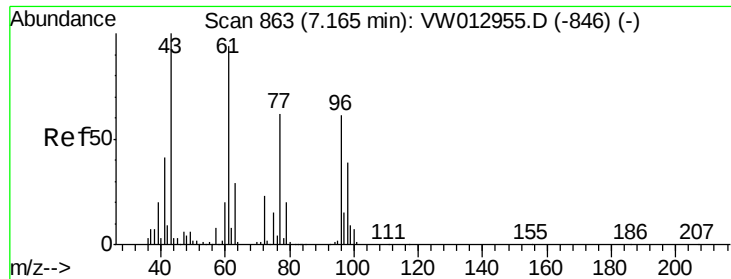
Ion Ratio Lower Upper

63 100

98 8.1 3.3 9.9

100 5.3 1.8 5.5





#25

2-Butanone

Concen: 26.105 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 21768

Ion Ratio Lower Upper

43 100

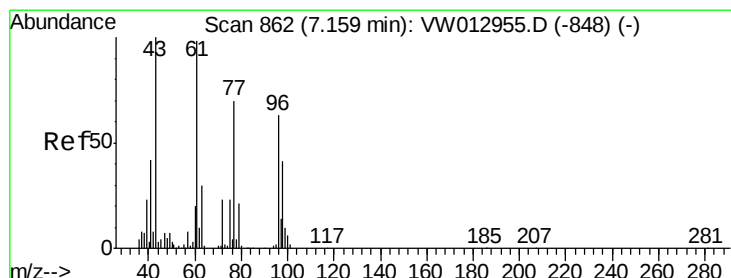
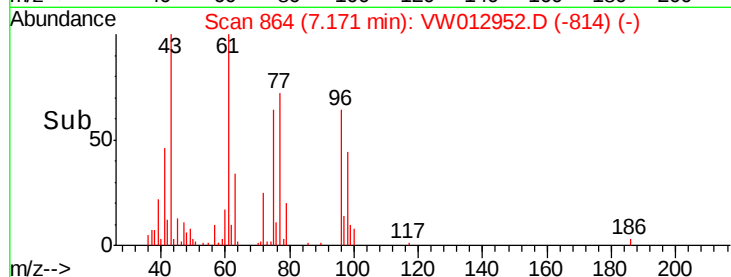
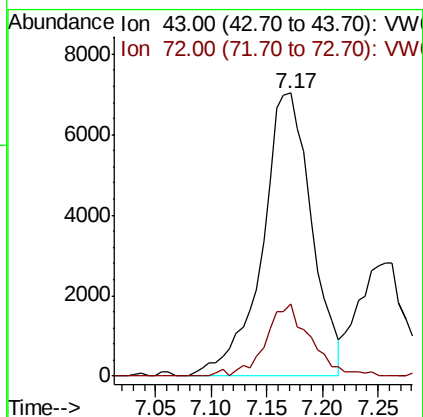
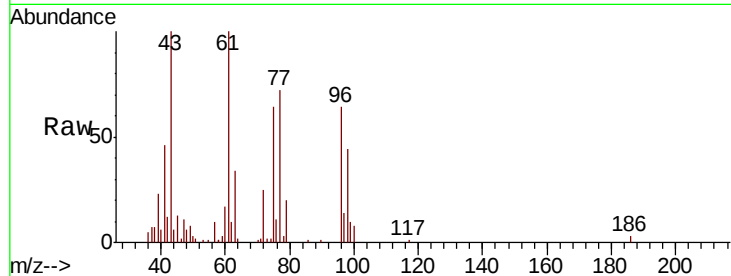
72 25.5 18.2 27.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.962 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW012952.D

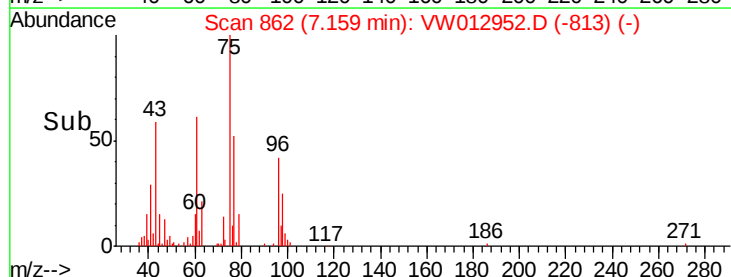
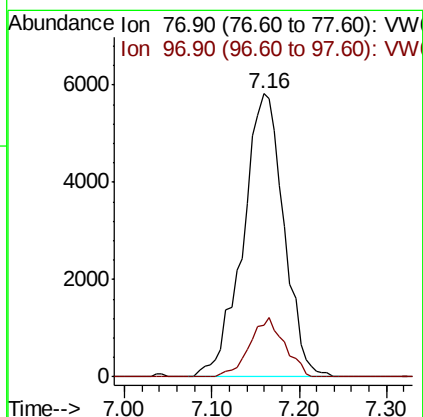
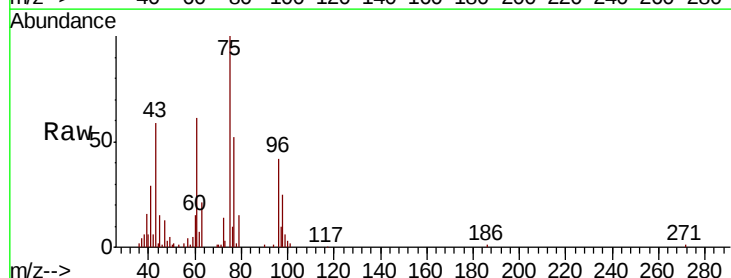
Acq: 13 Sep 2019 14:05

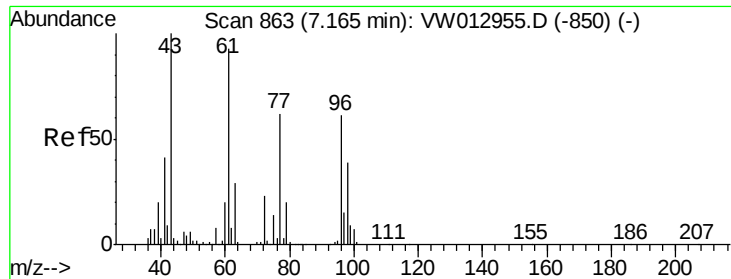
Tgt Ion: 77 Resp: 18840

Ion Ratio Lower Upper

77 100

97 18.0 10.7 32.1





#27

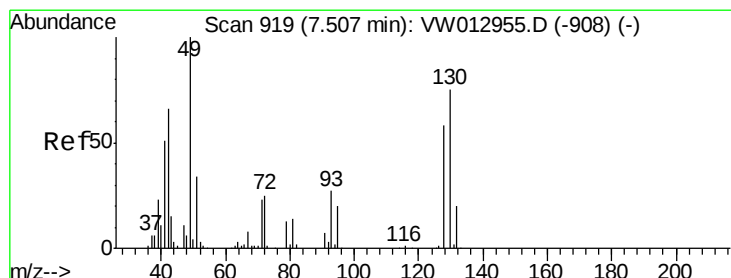
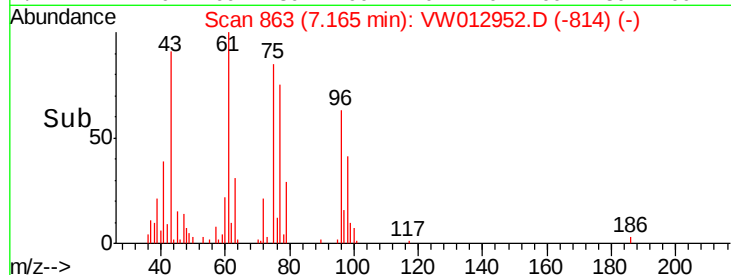
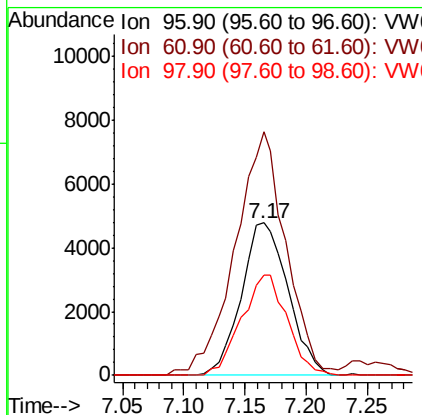
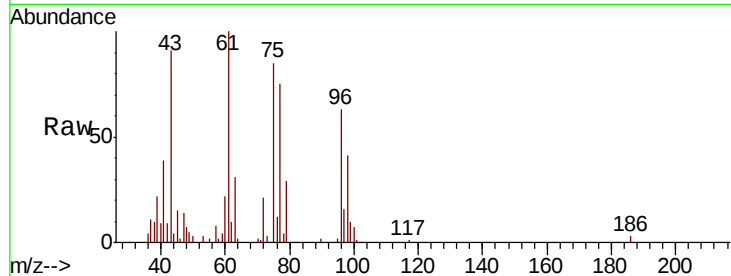
cis-1,2-Dichloroethene
Concen: 5.050 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	0.0	315.4
98	64.3	0.0	131.0

Manual Integrations
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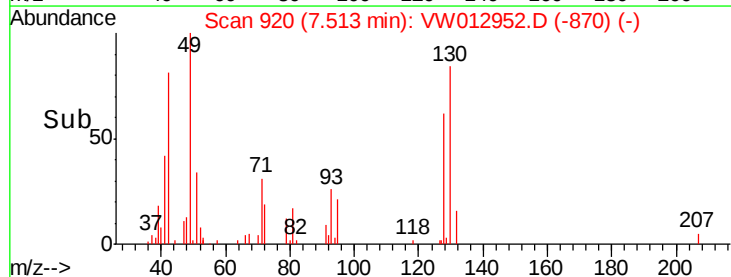
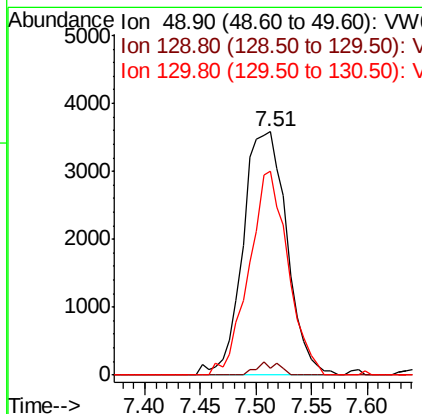
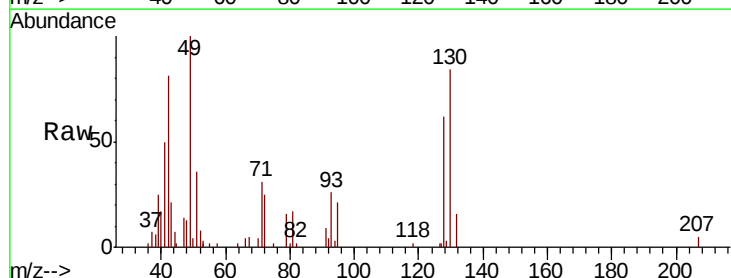
MMDadoda
9/16/2019 12:43:36 AM

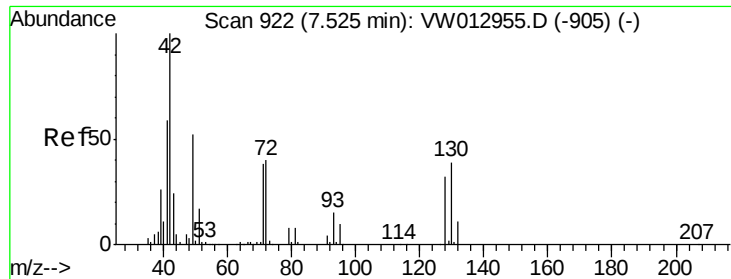


#28

Bromochloromethane
Concen: 5.246 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	1.4#
130	74.5	57.8	86.6





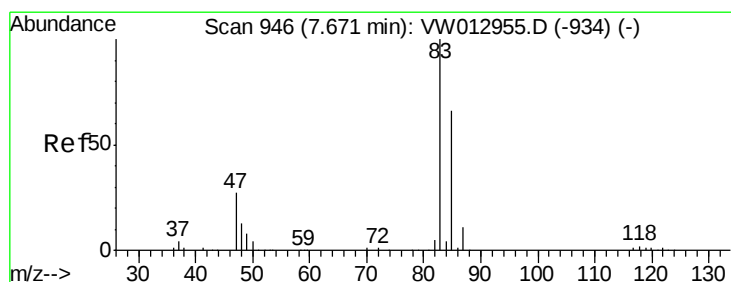
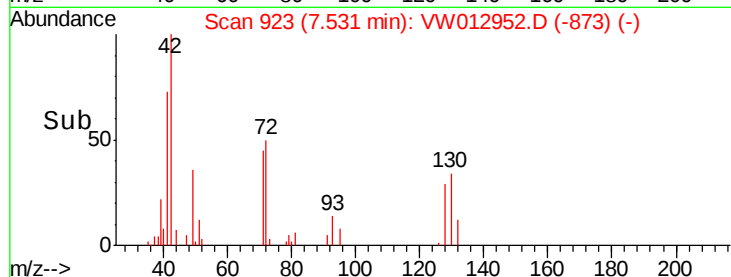
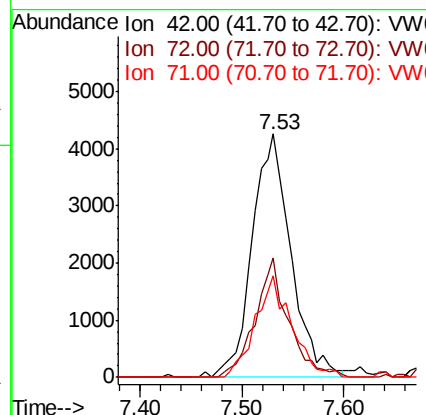
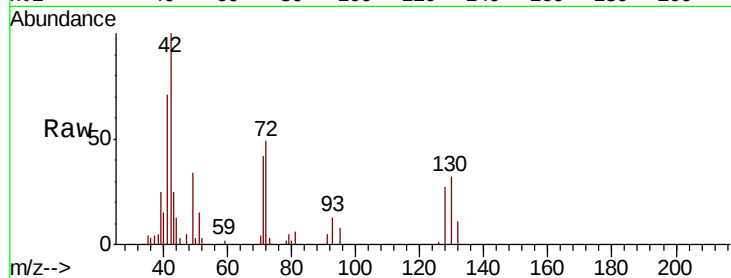
#29
Tetrahydrofuran
Concen: 23.705 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.2	31.4	47.0
71	39.1	29.8	44.8

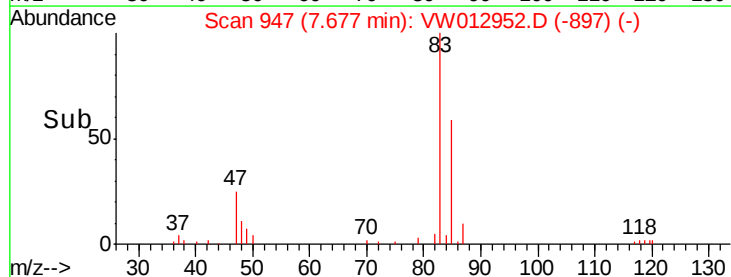
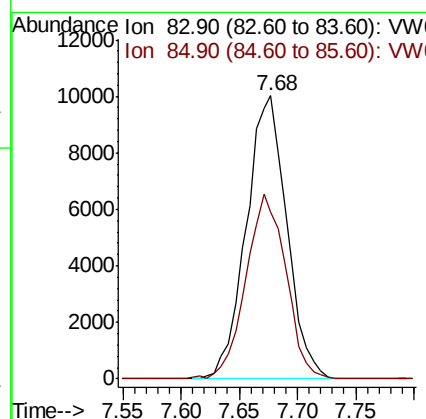
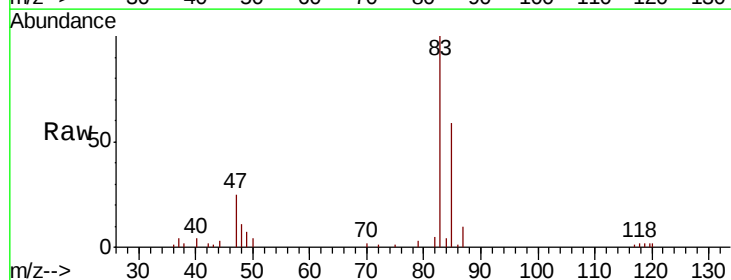
Manual Integrations
APPROVED

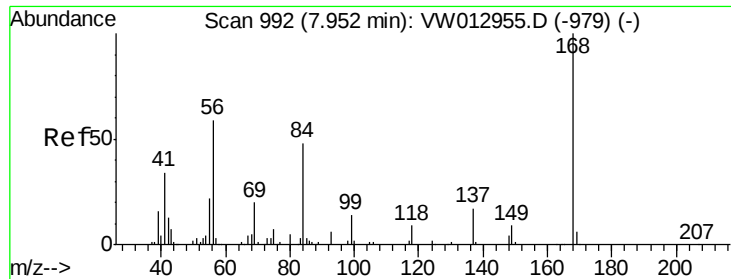
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#30
Chloroform
Concen: 5.367 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.8	52.8	79.2





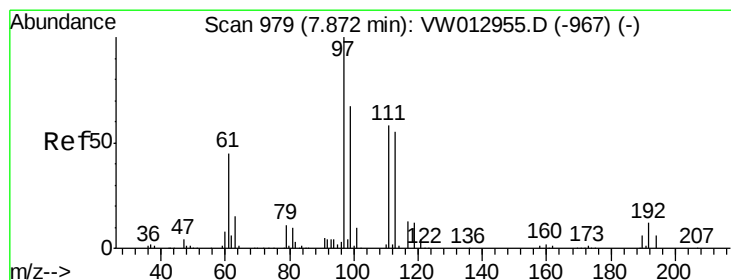
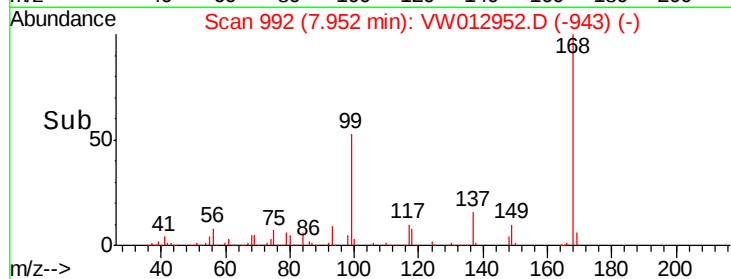
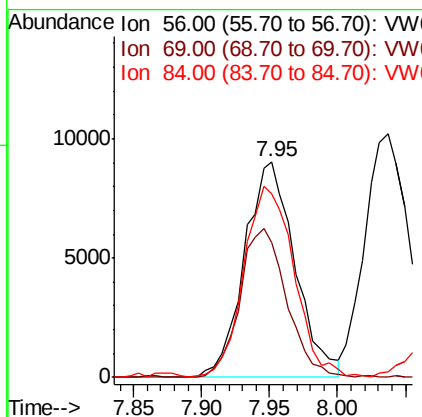
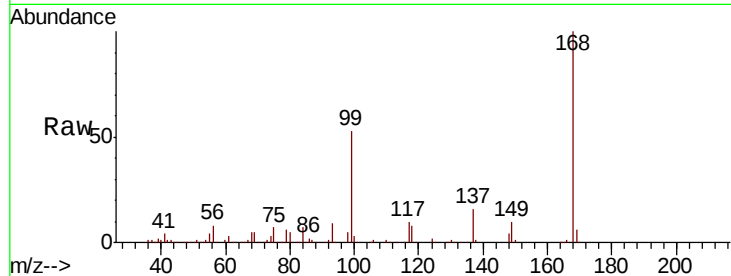
#31
Cyclohexane
Concen: 6.158 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	62.7	27.0	40.6#
84	85.0	66.2	99.2

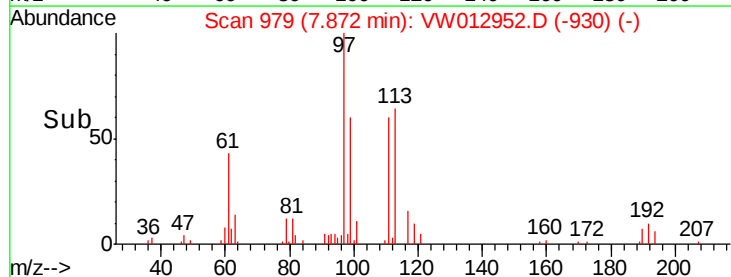
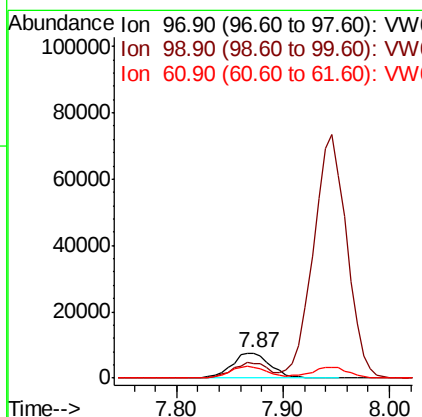
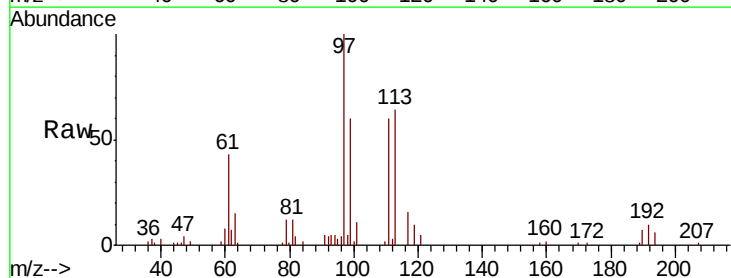
Manual Integrations
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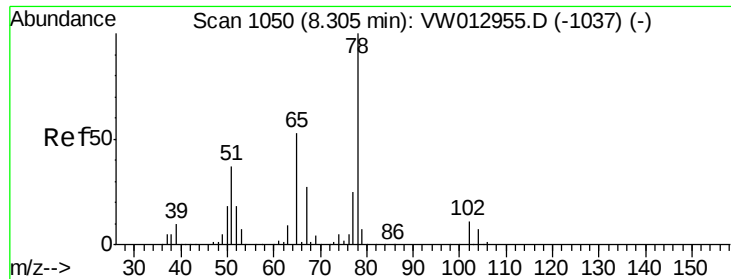
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 5.154 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.9	53.0	79.4
61	46.6	36.5	54.7





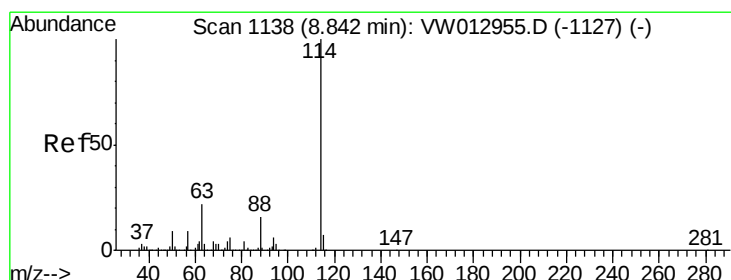
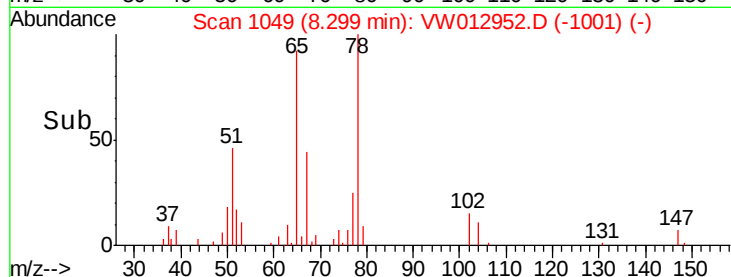
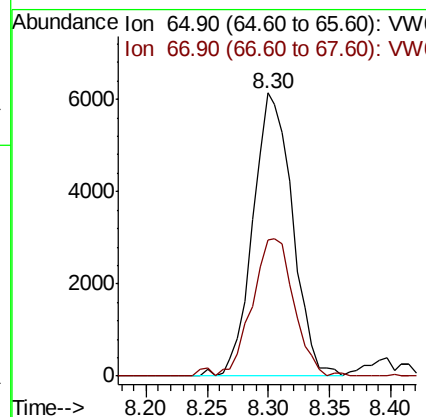
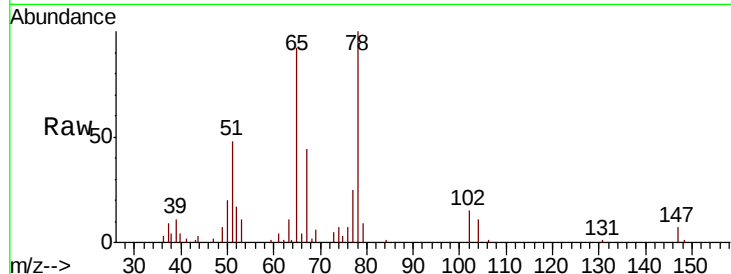
#33
 1,2-Dichloroethane-d4
 Concen: 5.257 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	13785		
67	51.0	0.0	101.2	

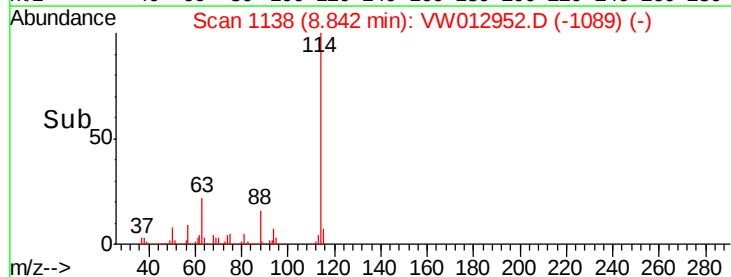
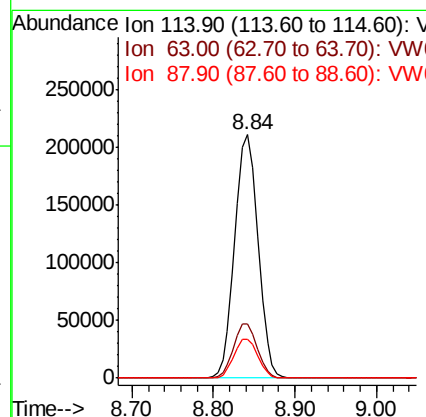
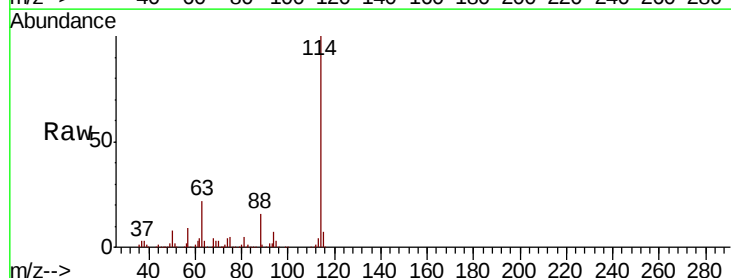
Manual Integrations
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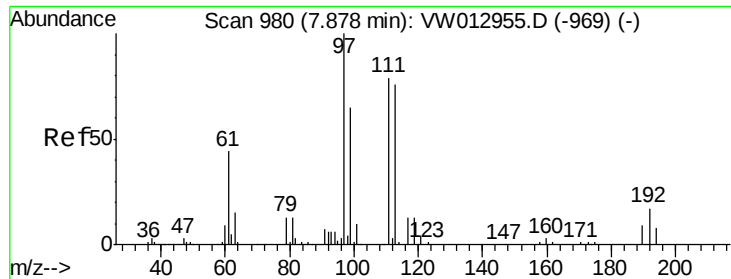
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	416515		
63	22.1	0.0	43.4	
88	16.0	0.0	31.6	





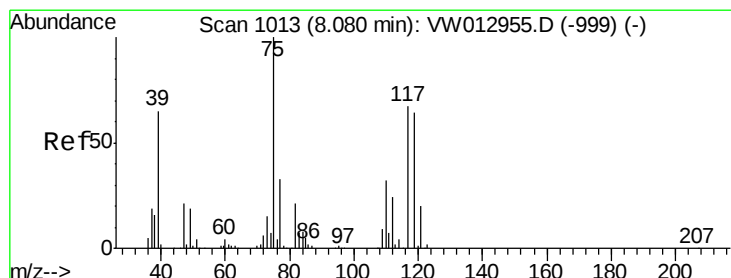
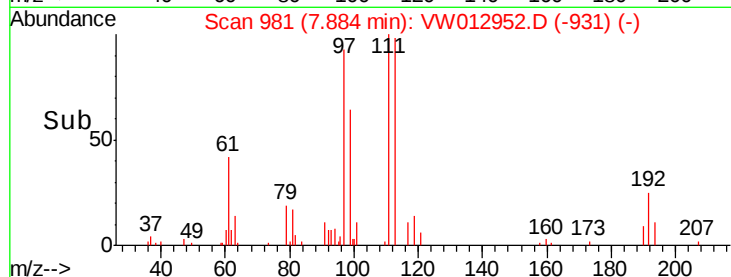
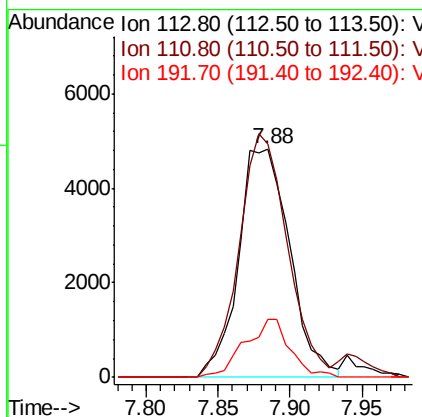
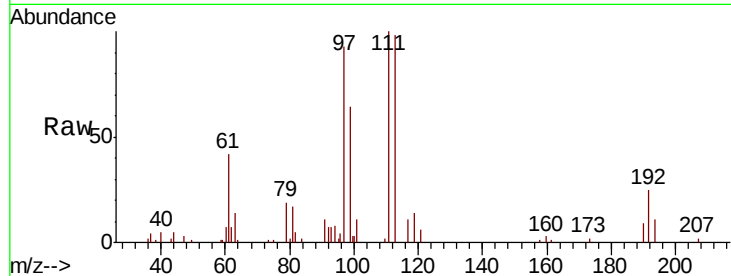
#35
 Dibromofluoromethane
 Concen: 5.283 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	11940		
111	100.9	82.8	124.2	
192	22.4	17.8	26.8	

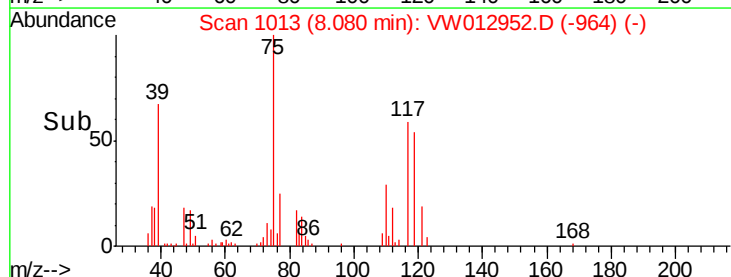
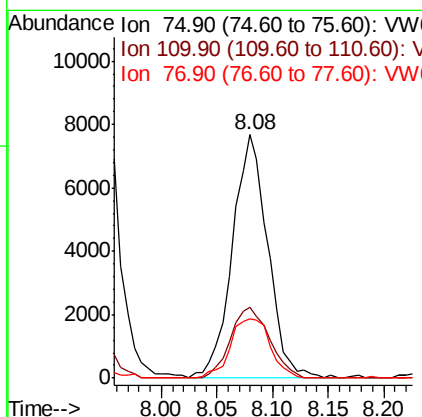
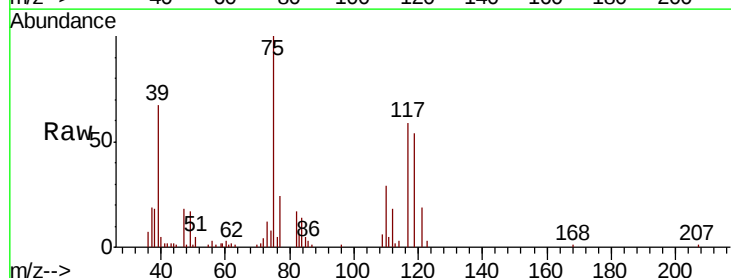
Manual Integrations
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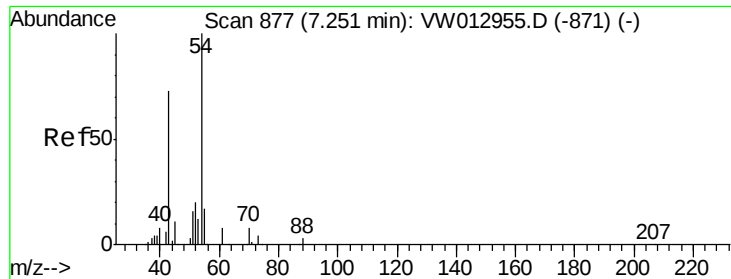
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#36
 1,1-Dichloropropene
 Concen: 5.088 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	16934		
110	32.1	16.4	49.1	
77	27.4	25.1	37.7	





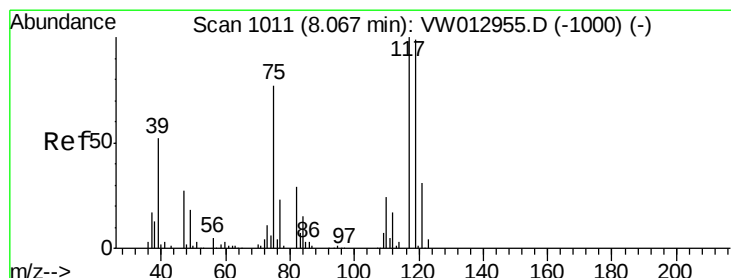
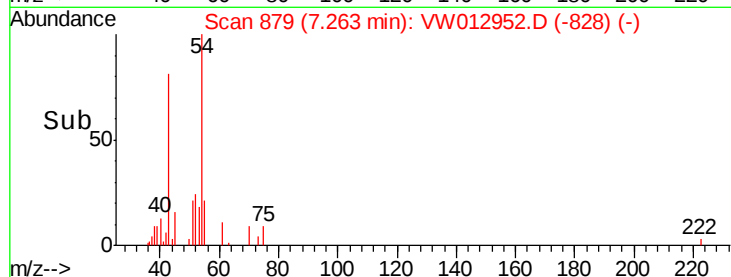
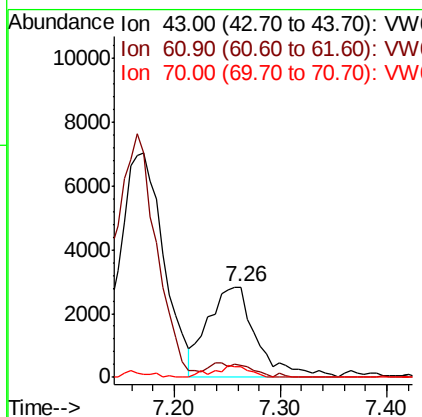
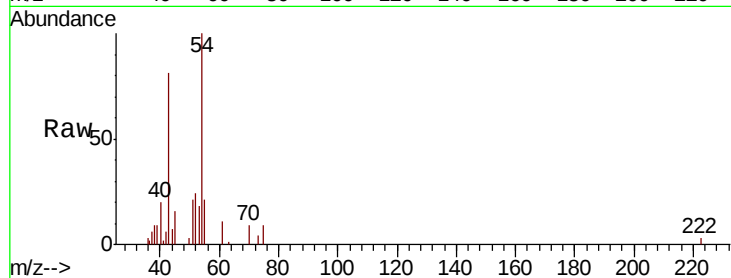
#37
Ethyl Acetate
Concen: 5.105 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.7	9.6	14.4
70	9.5	7.6	11.4

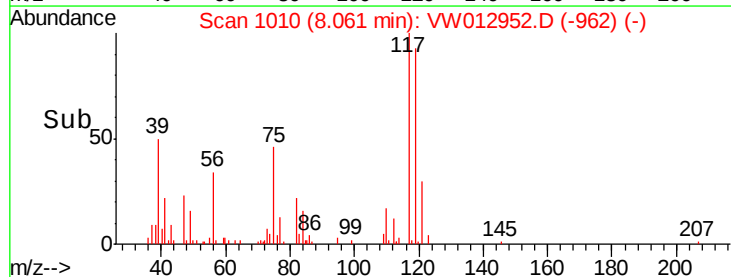
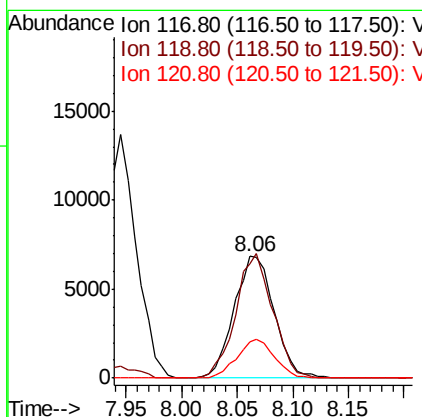
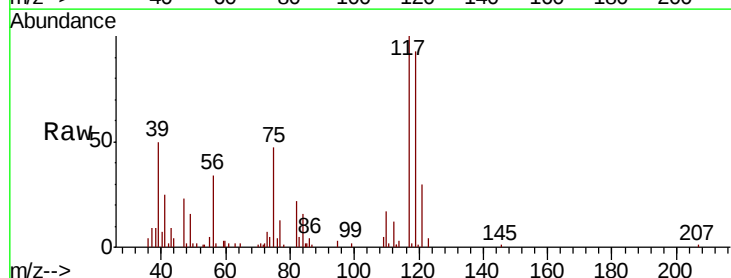
Manual Integrations
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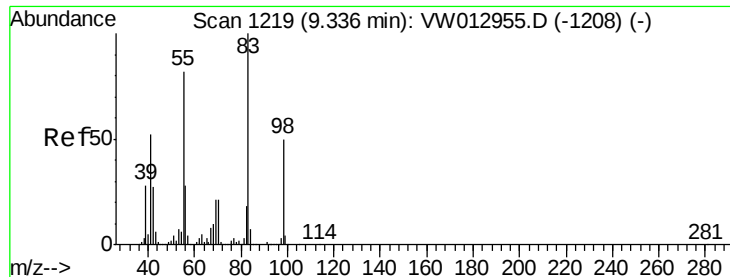
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#38
Carbon Tetrachloride
Concen: 4.999 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	79.4	119.0
121	30.2	24.6	36.8





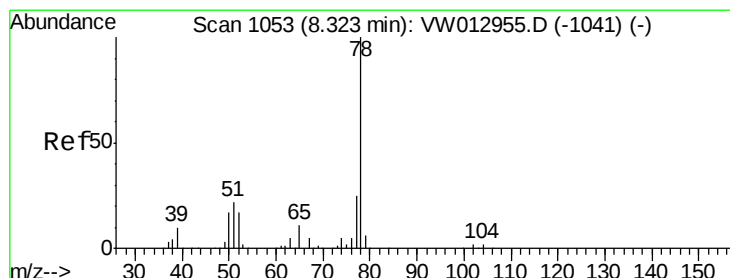
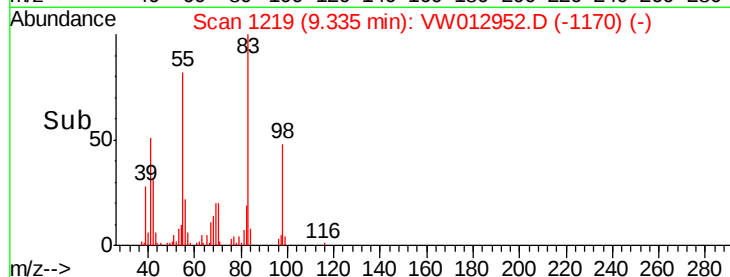
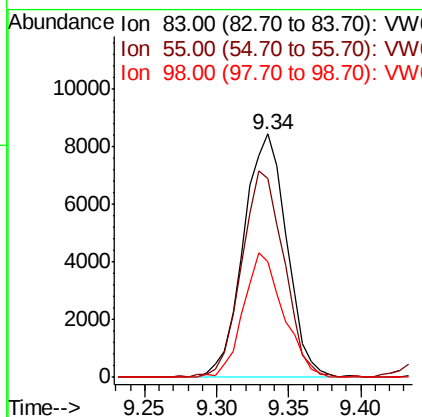
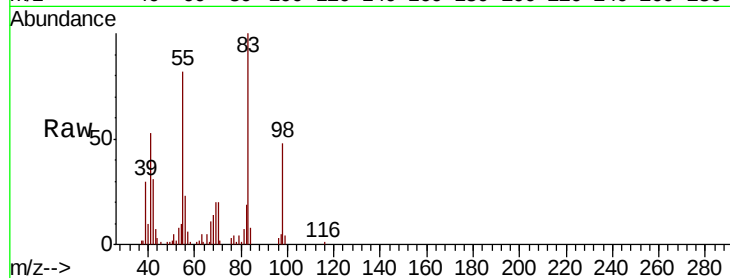
#39
Methylcyclohexane
Concen: 4.808 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.8	65.9	98.9
98	47.5	39.6	59.4

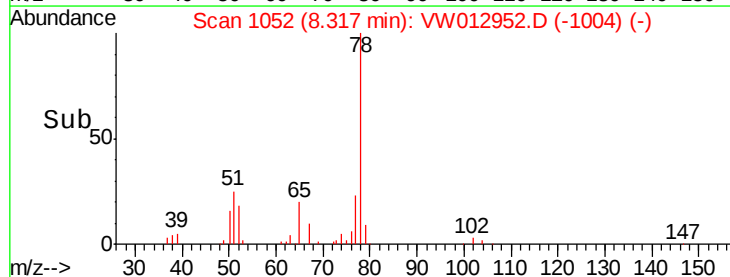
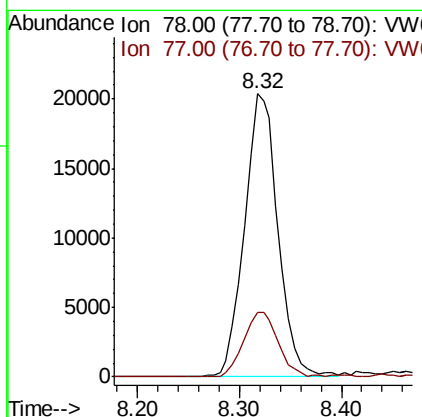
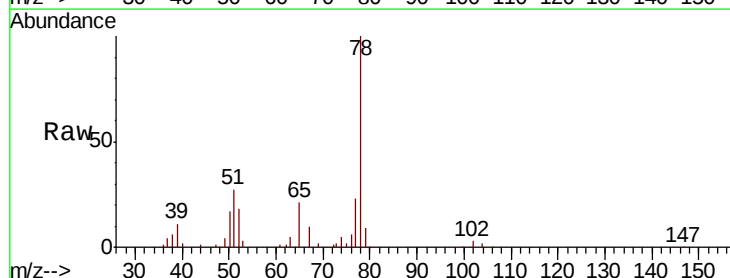
Manual Integrations
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#40
Benzene
Concen: 5.002 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.6	29.4





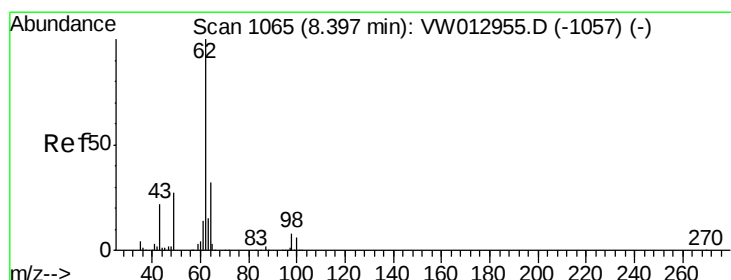
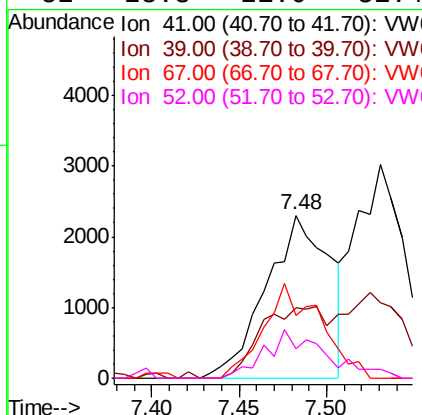
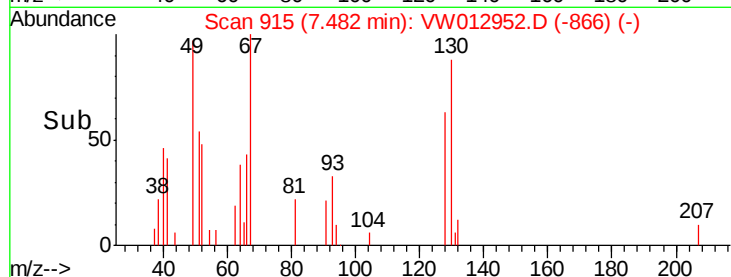
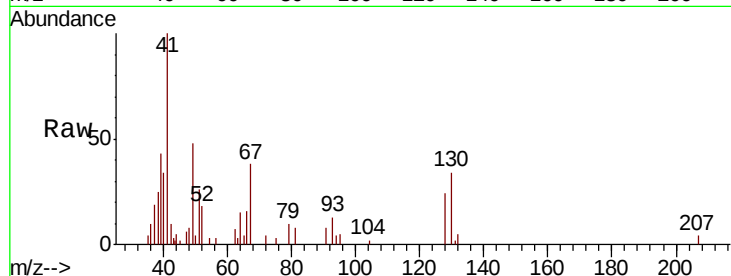
#41
Methacrylonitrile
Concen: 5.004 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	44.5	48.2	72.4#
67	51.7	47.5	71.3
52	28.3	21.0	31.4

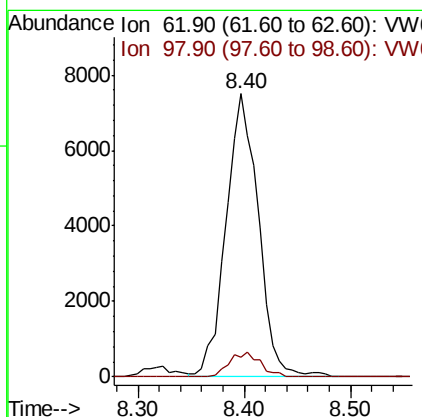
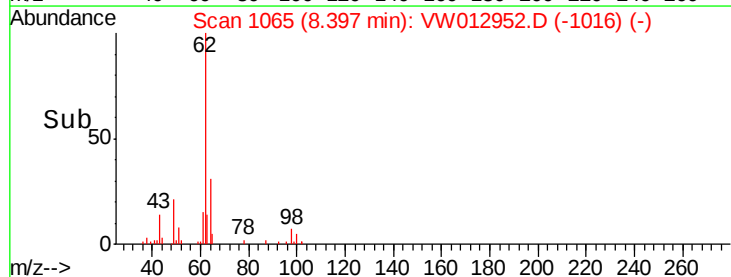
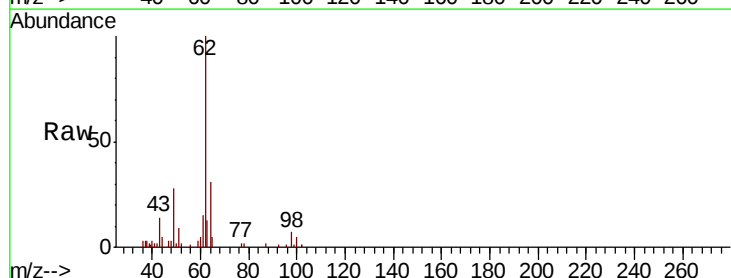
Manual Integrations
APPROVED

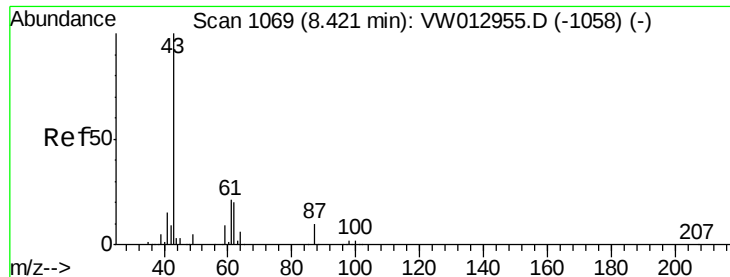
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#42
1,2-Dichloroethane
Concen: 5.143 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 4.826 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

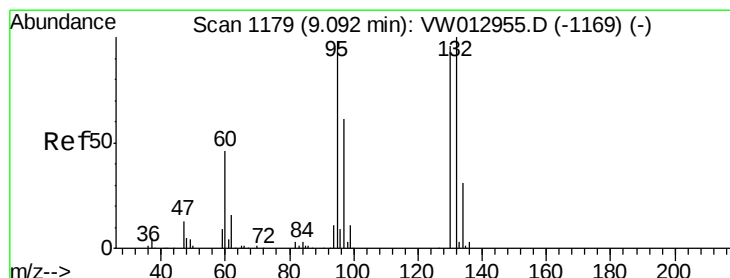
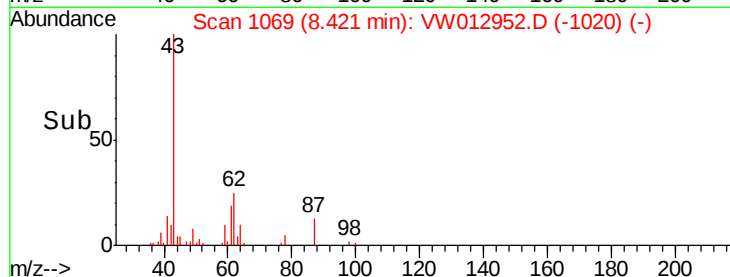
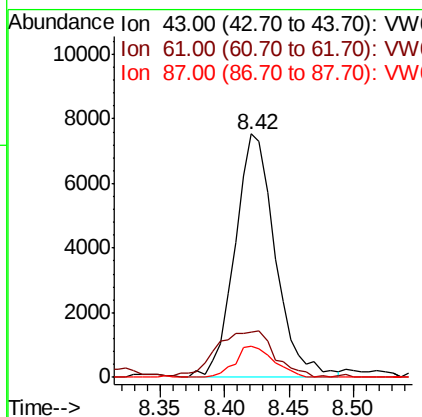
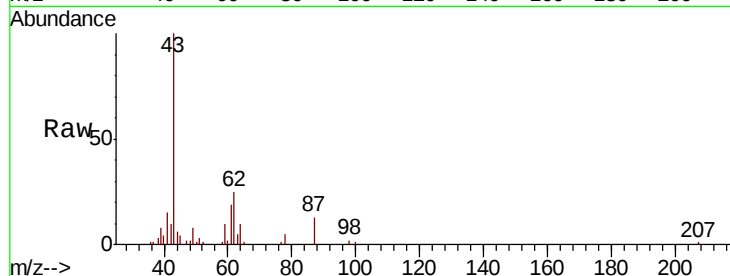
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	16371
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.7	34.1
87	12.1	9.4	14.2

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#44

Trichloroethene

Concen: 5.080 ug/l

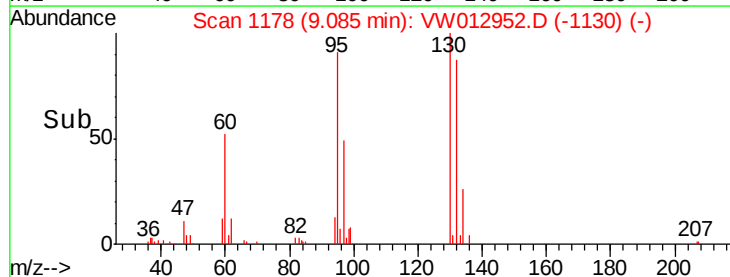
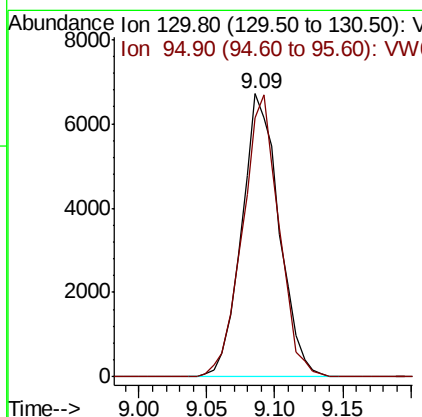
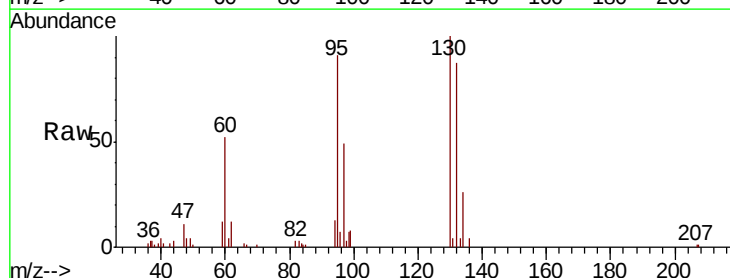
RT: 9.09 min Scan# 1178

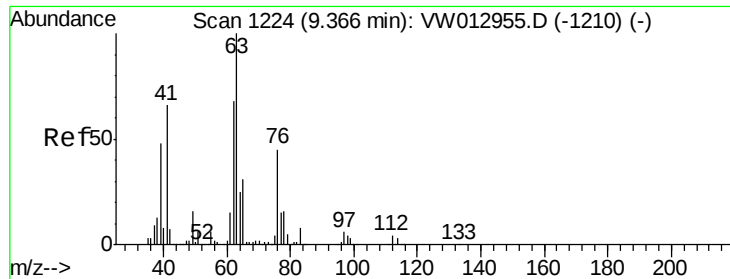
Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion:	130	Resp:	12930
Ion	Ratio	Lower	Upper
130	100		
95	91.4	0.0	204.4





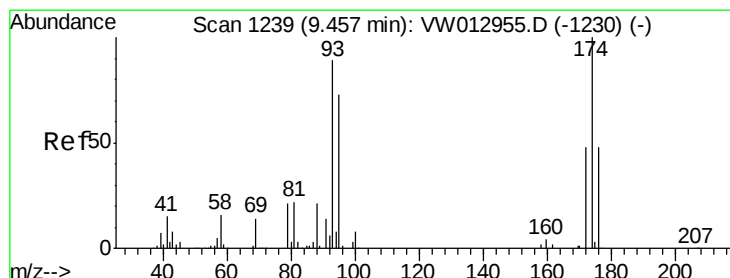
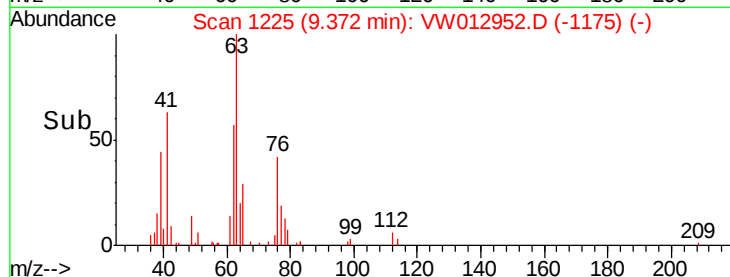
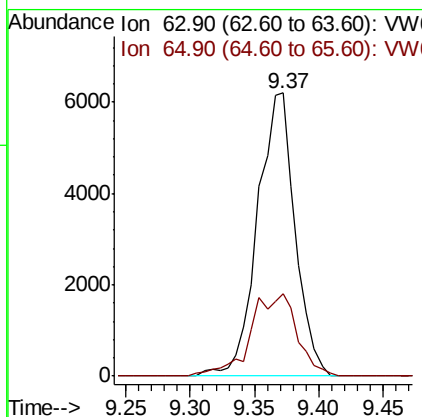
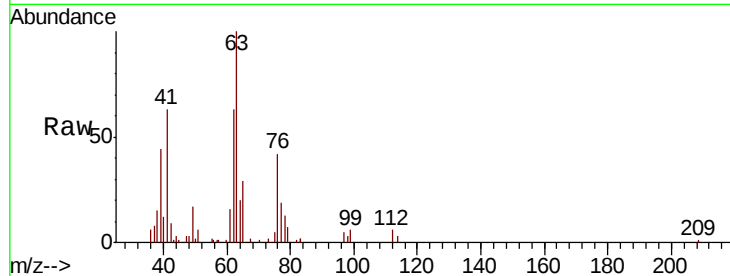
#45
 1,2-Dichloropropane
 Concen: 5.074 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 63 Resp: 12526
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.6 37.0

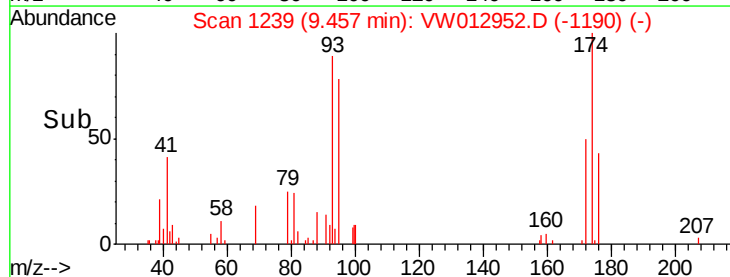
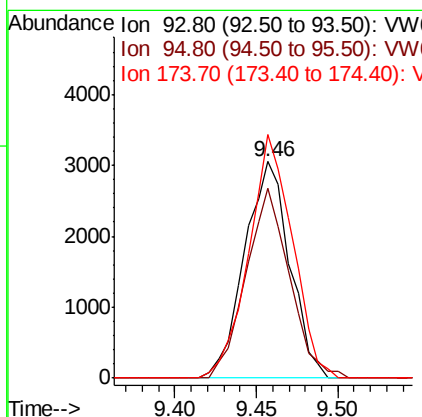
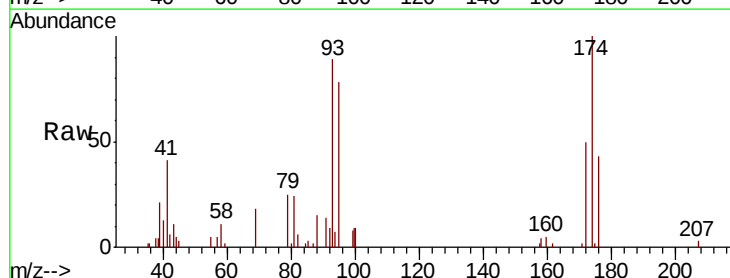
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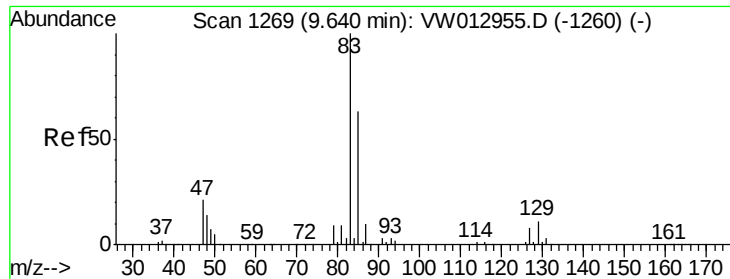
MMDadoda
 9/16/2019 12:43:36 AM



#46
 Dibromomethane
 Concen: 4.962 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 93 Resp: 5869
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 108.6 90.5 135.7





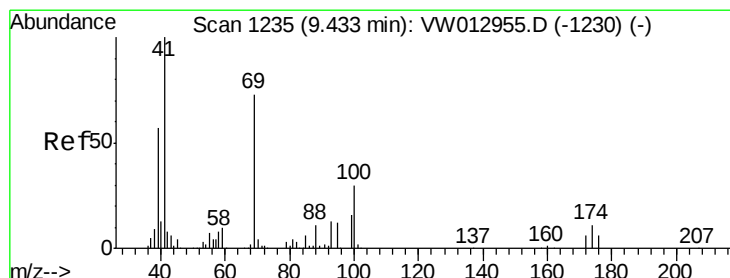
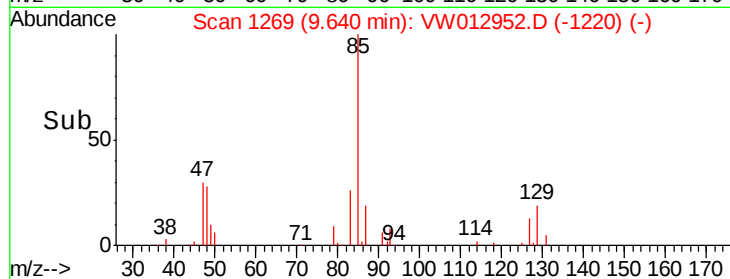
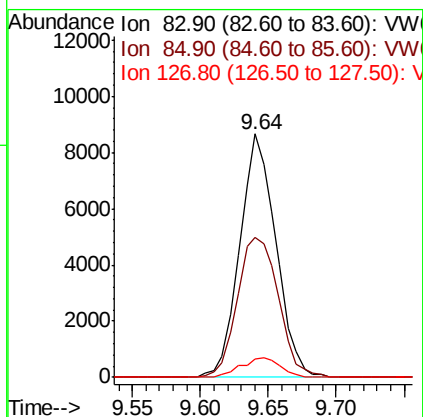
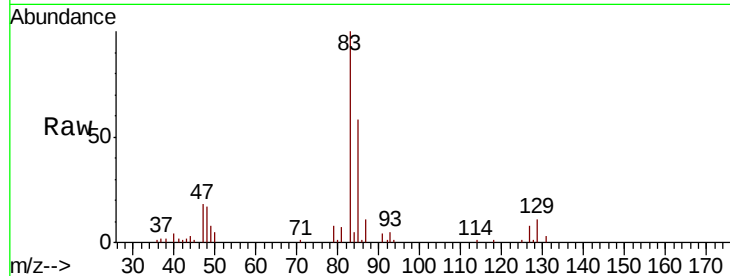
#47
 Bromodichloromethane
 Concen: 4.831 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.5	50.6	75.8
127	7.6	6.7	10.1

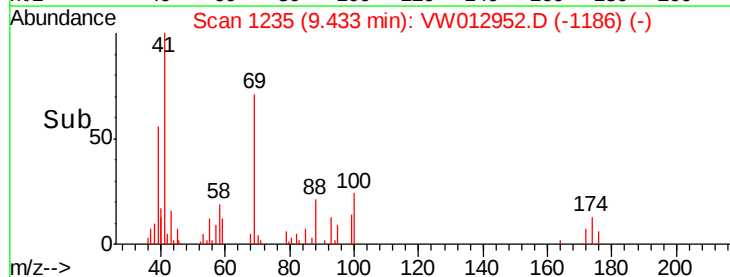
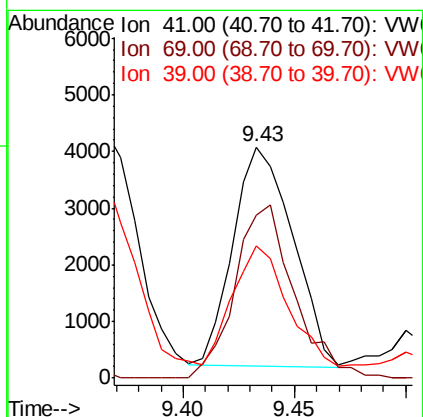
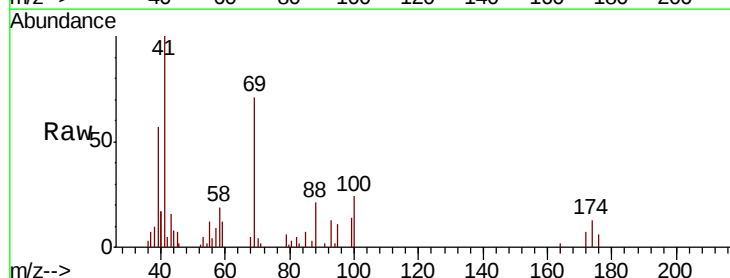
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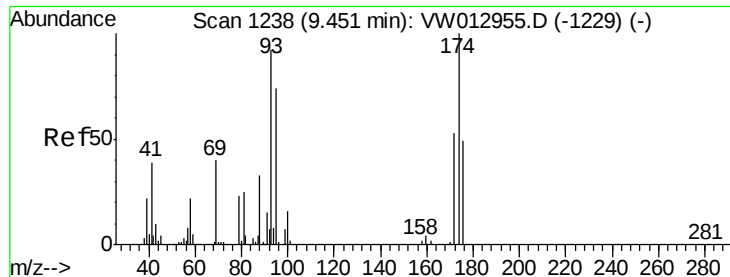
MMDadoda
 9/16/2019 12:43:36 AM



#48
 Methyl methacrylate
 Concen: 4.538 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.3	62.8	94.2
39	61.7	48.5	72.7





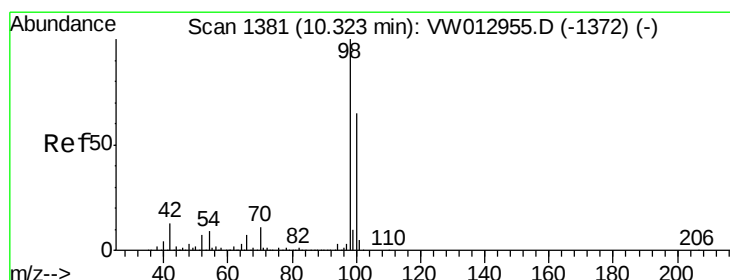
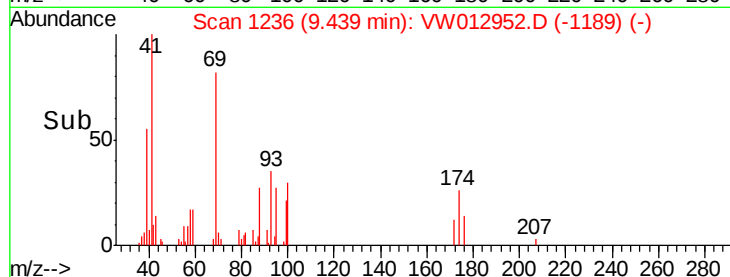
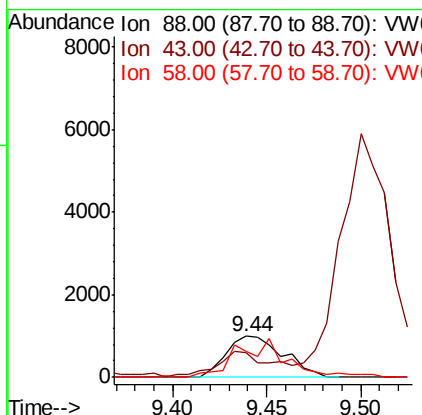
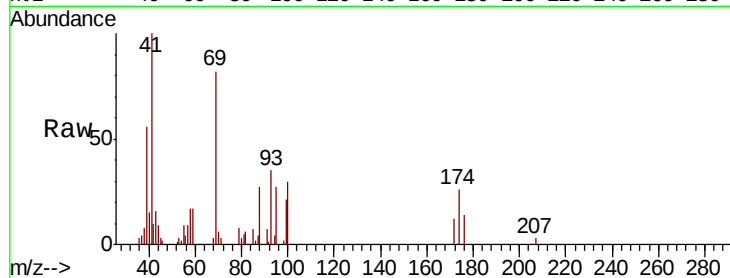
#49
1,4-Dioxane
Concen: 104.704 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	62.4	31.3	46.9#
58	41.6	60.2	90.2#

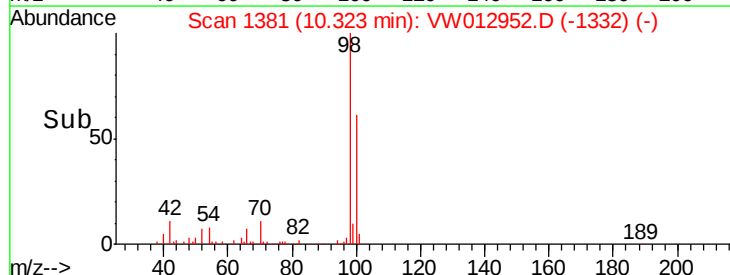
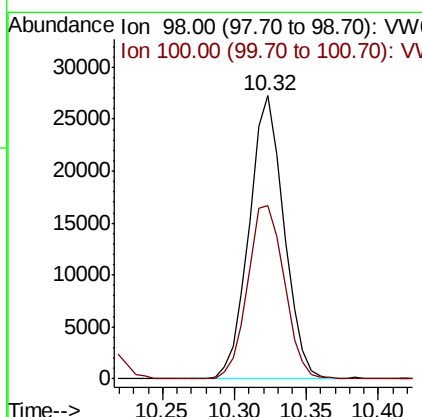
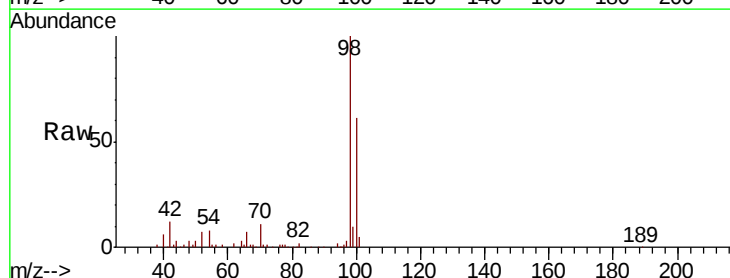
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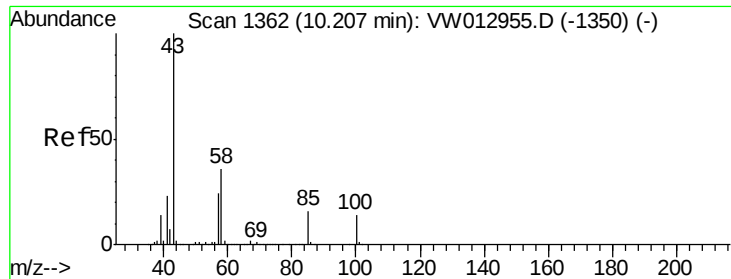
MMDadoda
9/16/2019 12:43:36 AM



#50
Toluene-d8
Concen: 5.149 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





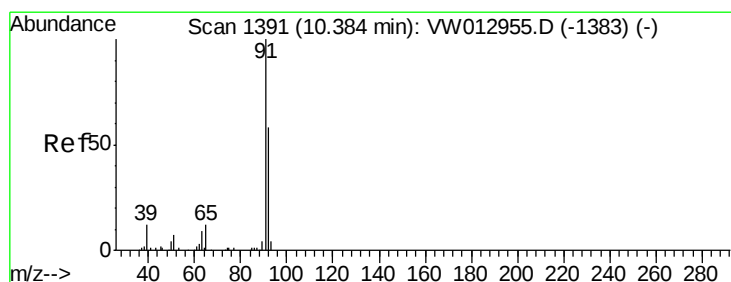
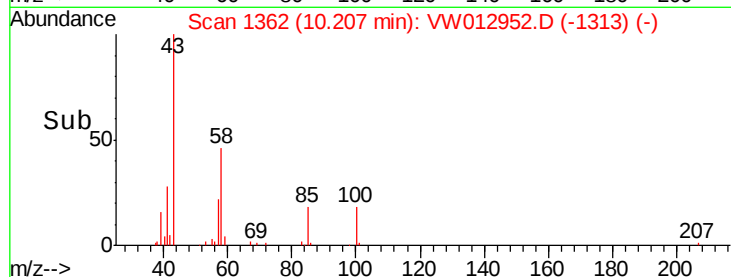
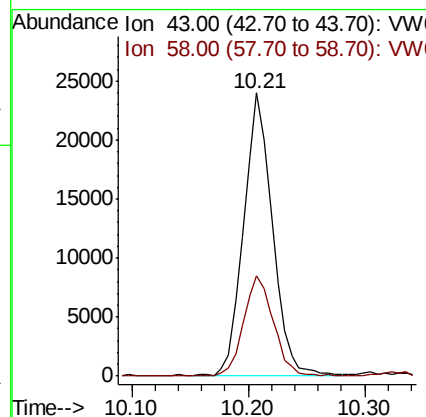
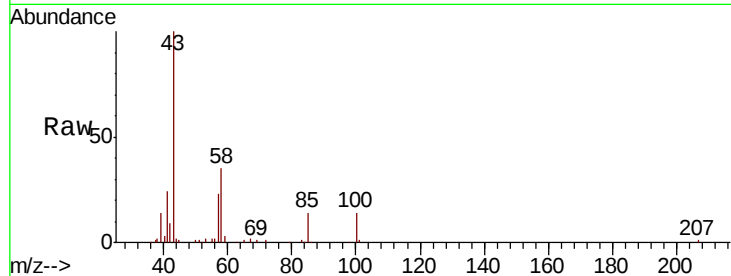
#51
 4-Methyl-2-Pentanone
 Concen: 23.825 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 41723
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.5 44.3

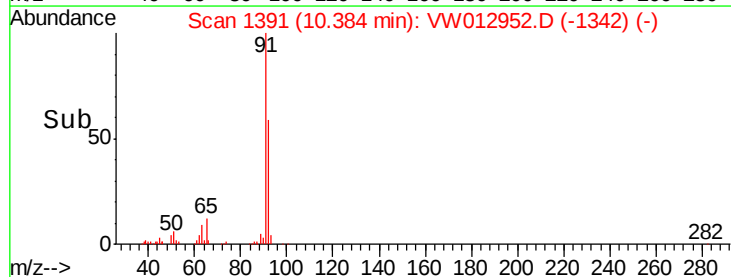
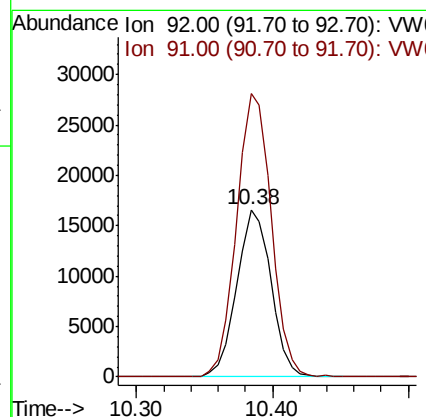
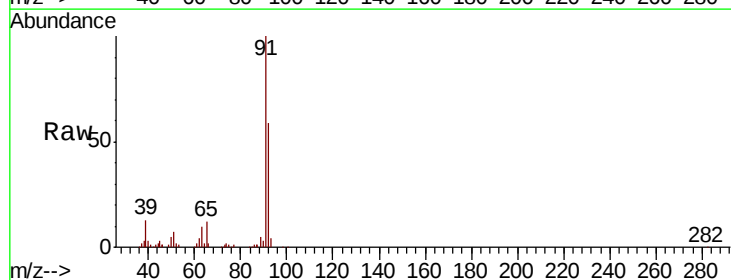
Manual Integrations
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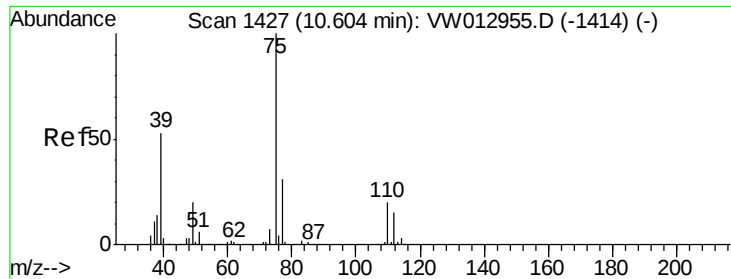
MMDadoda
 9/16/2019 12:43:36 AM



#52
 Toluene
 Concen: 4.934 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 92 Resp: 29133
 Ion Ratio Lower Upper
 92 100
 91 172.0 137.5 206.3





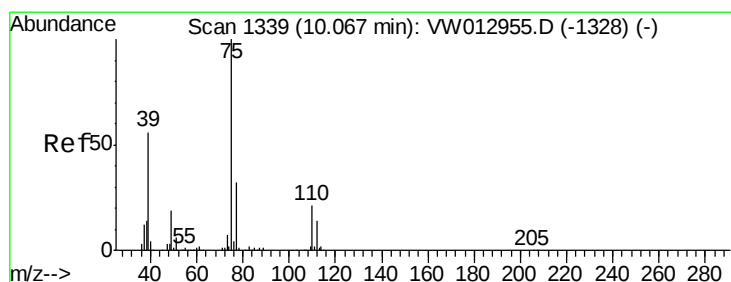
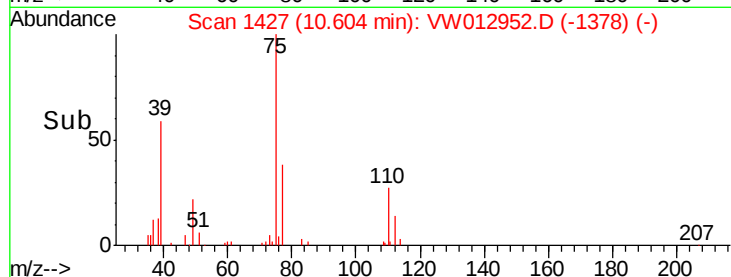
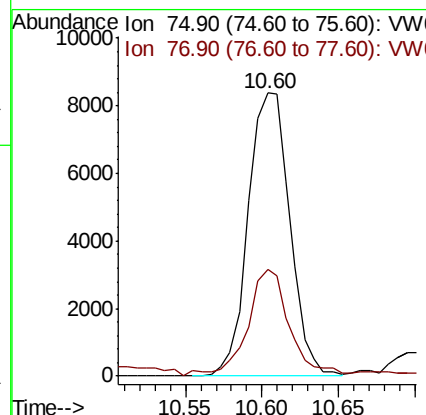
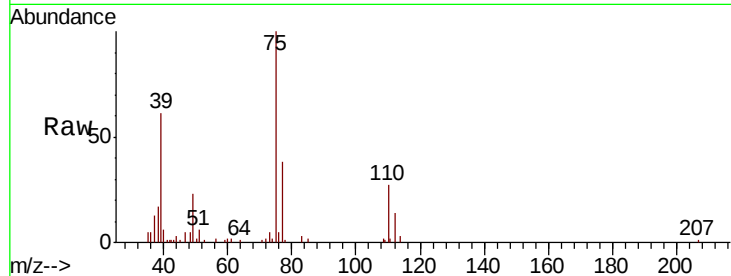
#53
t-1,3-Dichloropropene
Concen: 4.766 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 75 Resp: 15901
Ion Ratio Lower Upper
75 100
77 36.5 24.6 37.0

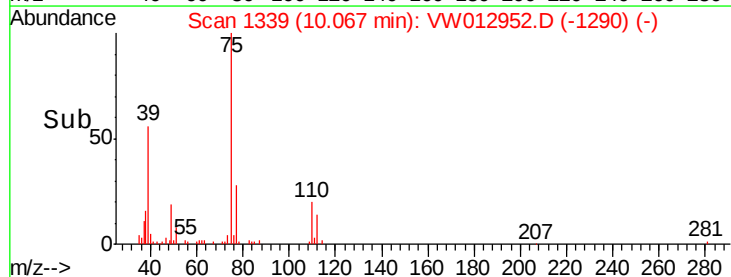
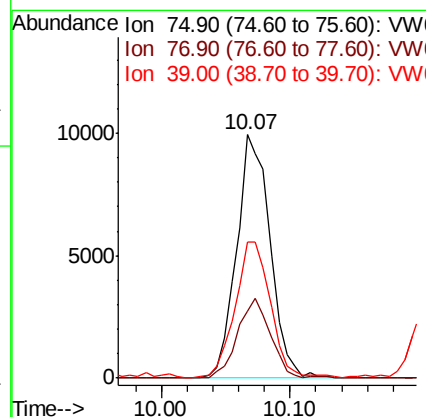
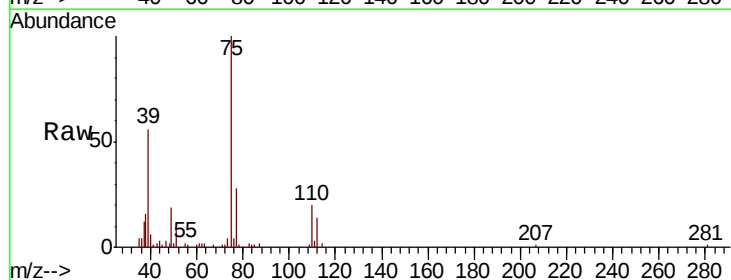
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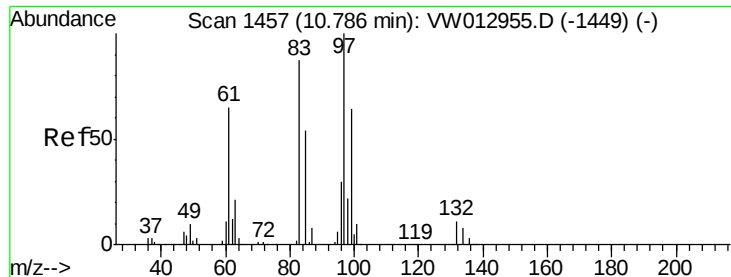
MMDadoda
9/16/2019 12:43:36 AM



#54
cis-1,3-Dichloropropene
Concen: 4.694 ug/l
RT: 10.07 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 75 Resp: 17919
Ion Ratio Lower Upper
75 100
77 27.6 25.5 38.3
39 56.1 45.0 67.6





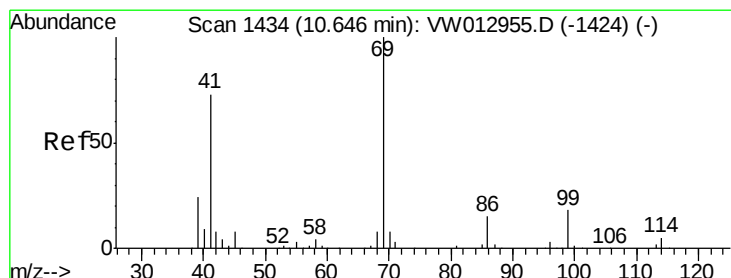
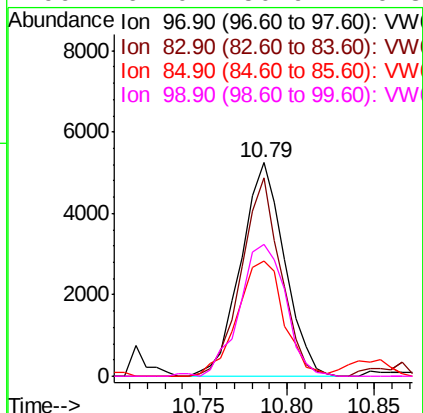
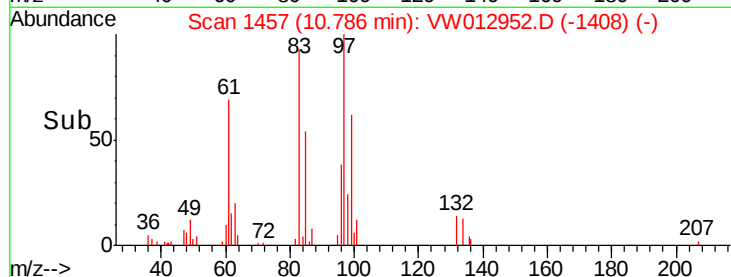
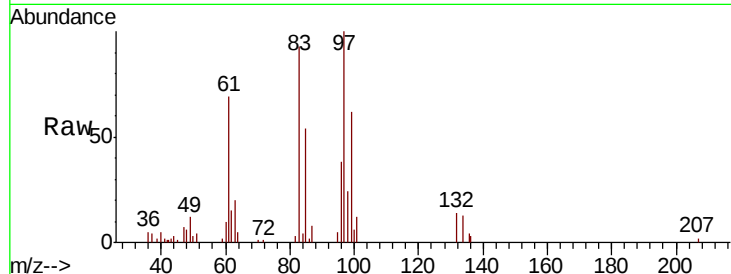
#55
 1,1,2-Trichloroethane
 Concen: 5.065 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:	97	Resp:	9125
Ion	Ratio	Lower	Upper
97	100		
83	92.8	69.4	104.0
85	54.1	43.3	64.9
99	62.0	50.9	76.3

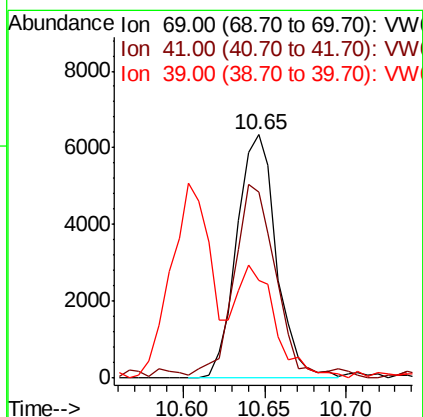
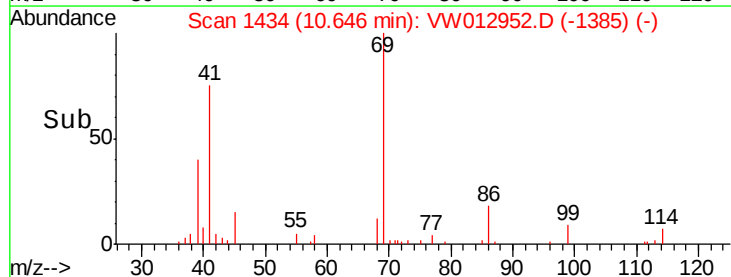
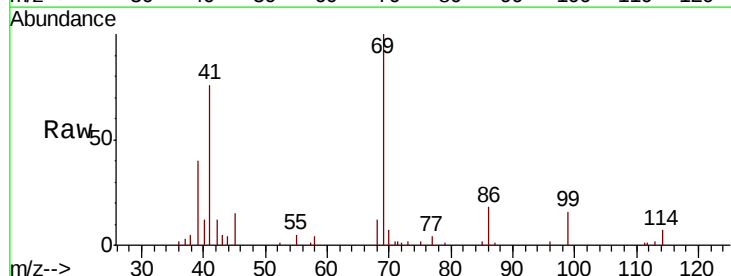
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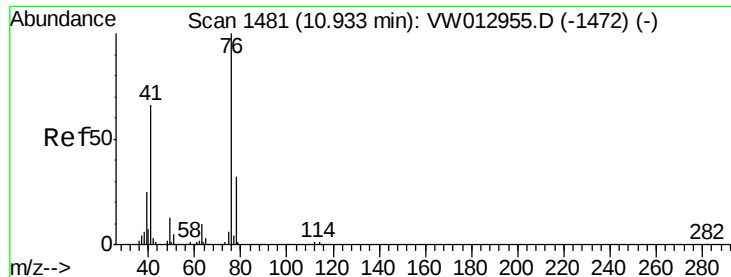
MMDadoda
 9/16/2019 12:43:36 AM



#56
 Ethyl methacrylate
 Concen: 4.437 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion:	69	Resp:	10760
Ion	Ratio	Lower	Upper
69	100		
41	78.6	60.8	91.2
39	44.1	29.4	44.0#





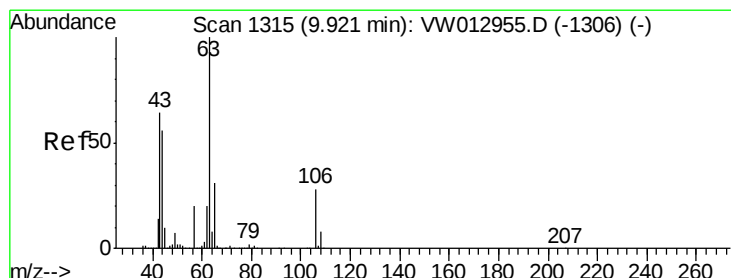
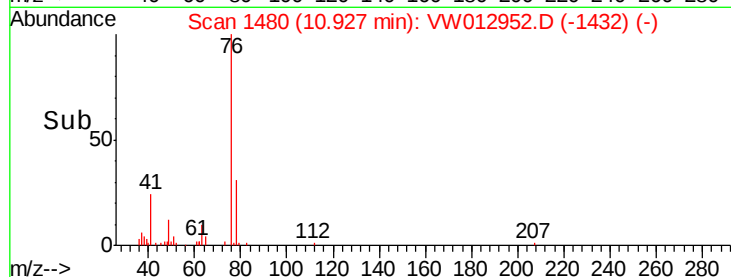
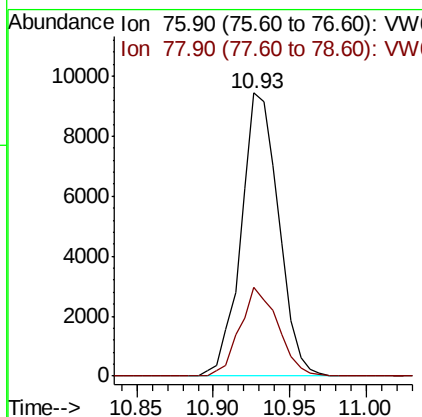
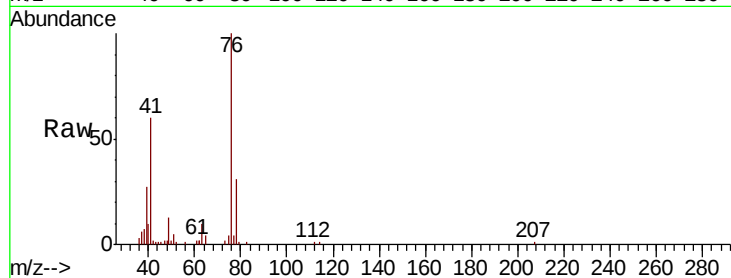
#57
 1,3-Dichloropropane
 Concen: 5.034 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 16090
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

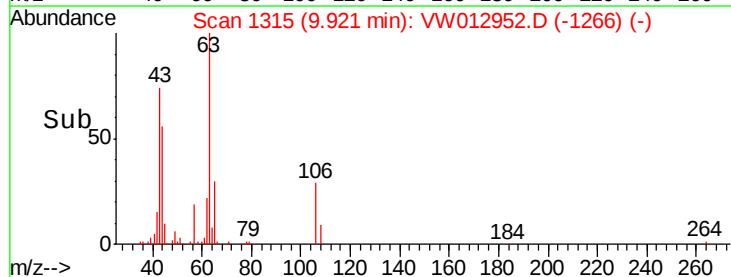
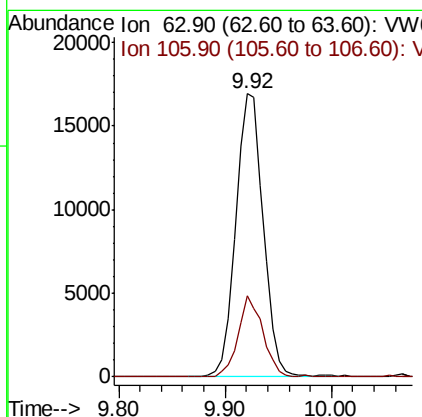
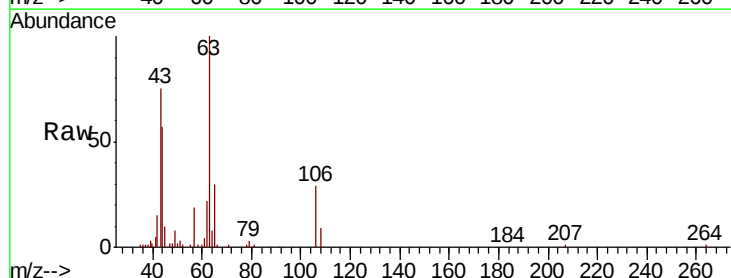
Manual Integrations
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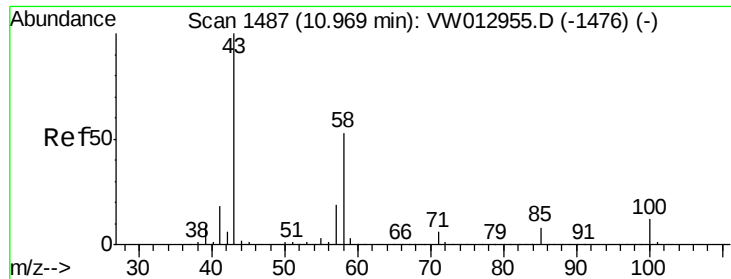
MMDadoda
 9/16/2019 12:43:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.595 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion: 63 Resp: 30696
 Ion Ratio Lower Upper
 63 100
 106 25.8 22.2 33.2





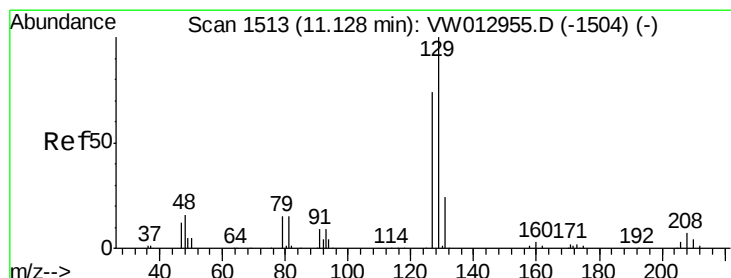
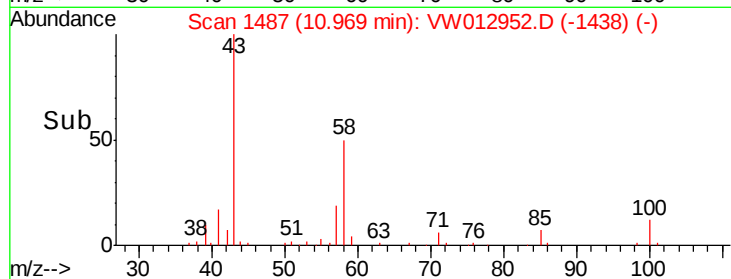
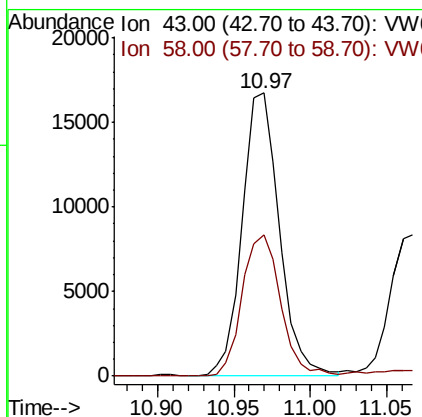
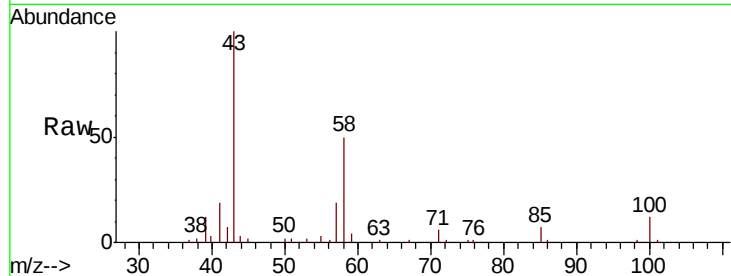
#59
2-Hexanone
Concen: 23.263 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 28367
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

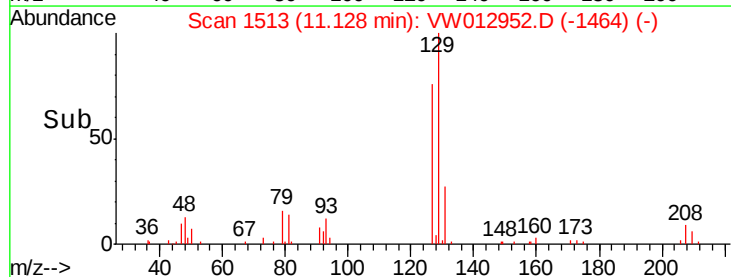
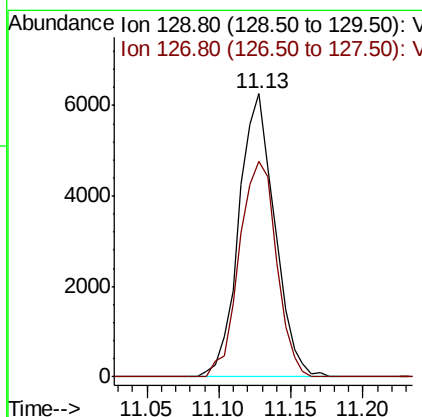
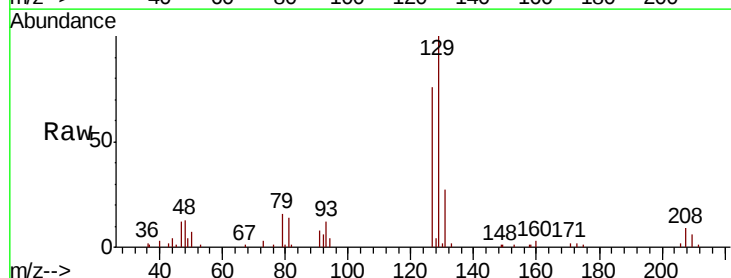
Manual Integrations
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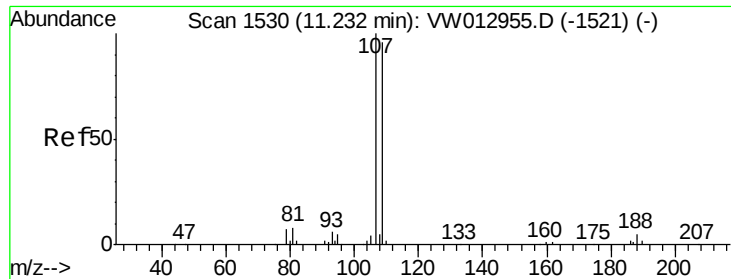
MMDadoda
9/16/2019 12:43:36 AM



#60
Dibromochloromethane
Concen: 4.954 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 129 Resp: 10792
Ion Ratio Lower Upper
129 100
127 79.1 37.4 112.2





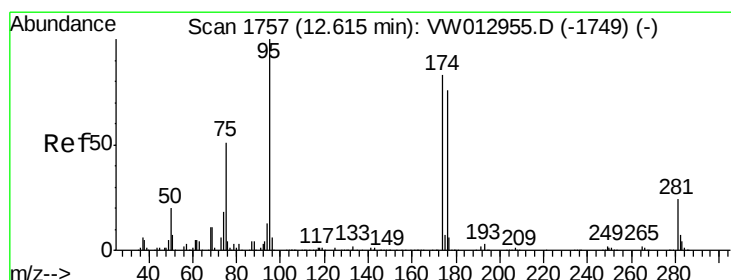
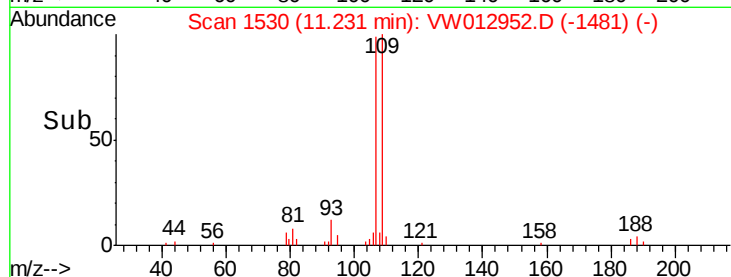
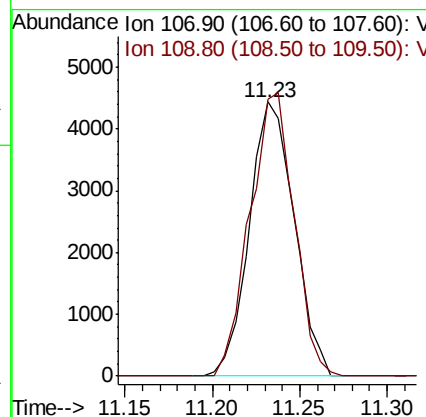
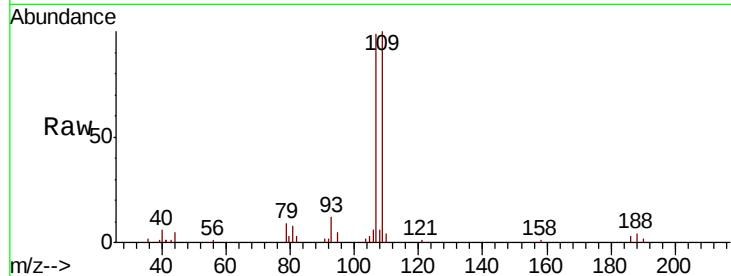
#61
 1,2-Dibromoethane
 Concen: 4.832 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
107	100		
109	101.5	75.0	112.6

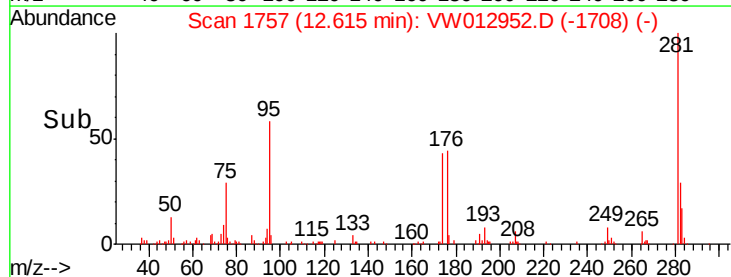
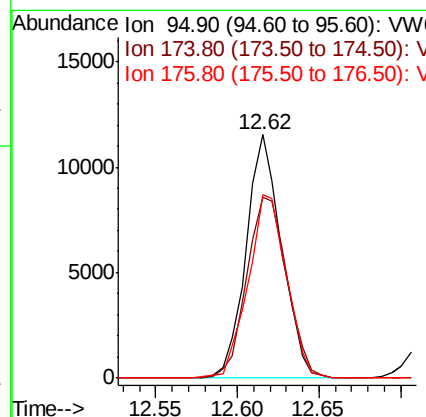
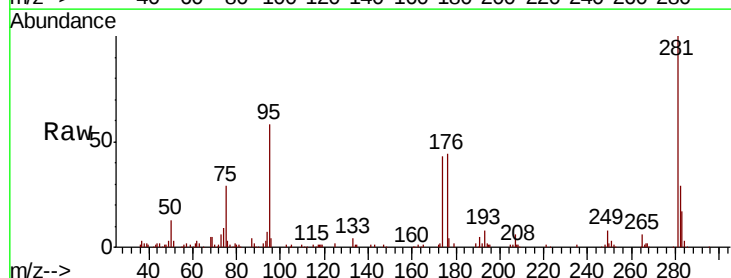
Manual Integrations
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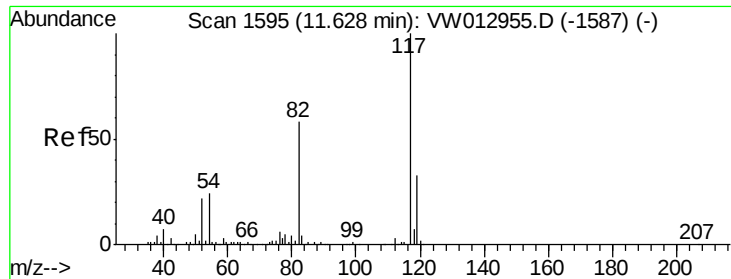
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 9/16/2019 12:43:36 AM



#62
 4-Bromofluorobenzene
 Concen: 5.491 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	170.4
176	81.8	0.0	164.6





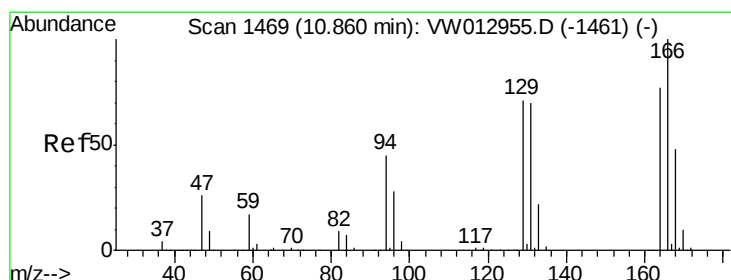
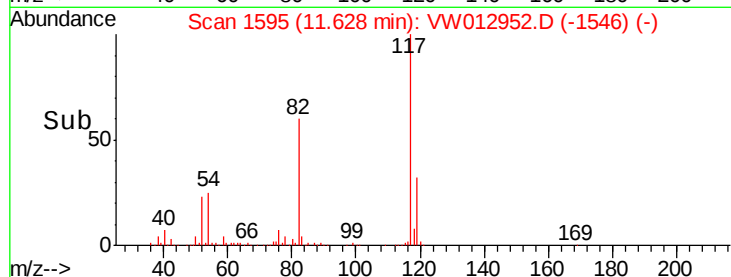
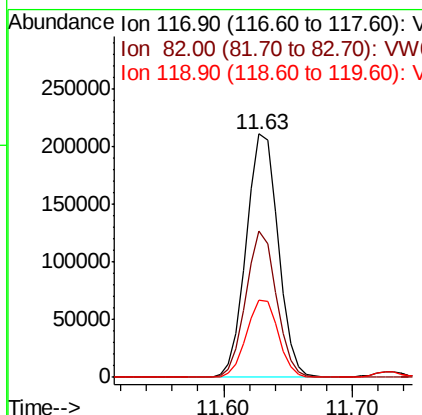
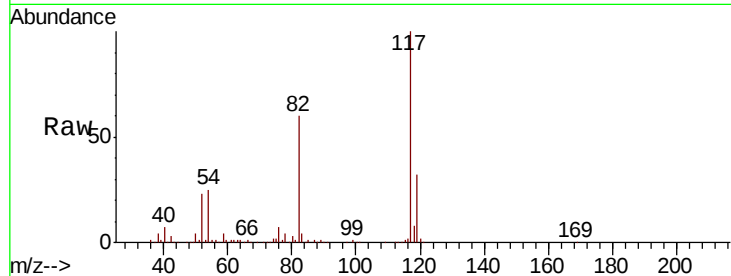
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	360021		
82	59.9	46.3	69.5	
119	31.8	26.2	39.4	

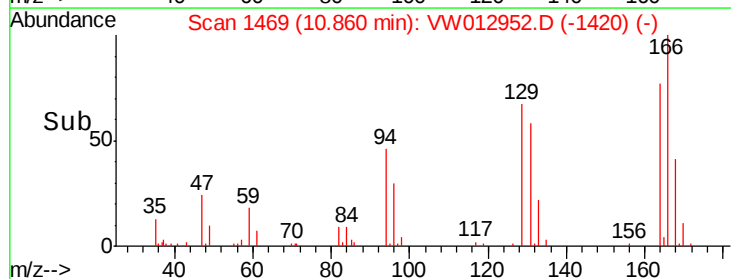
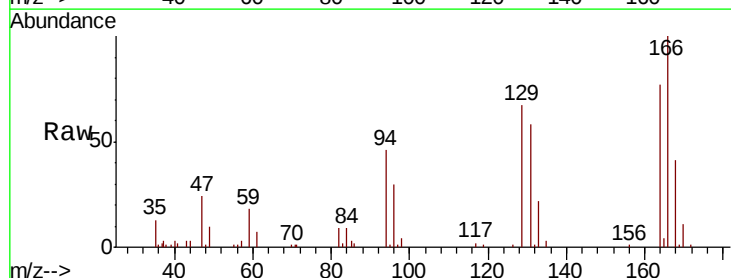
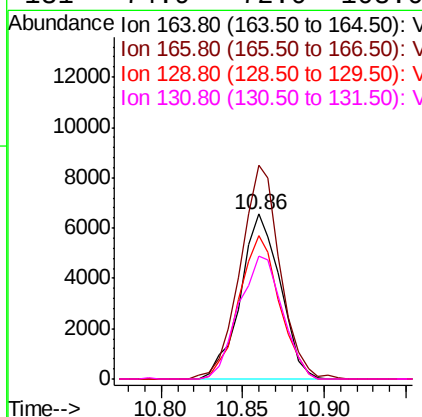
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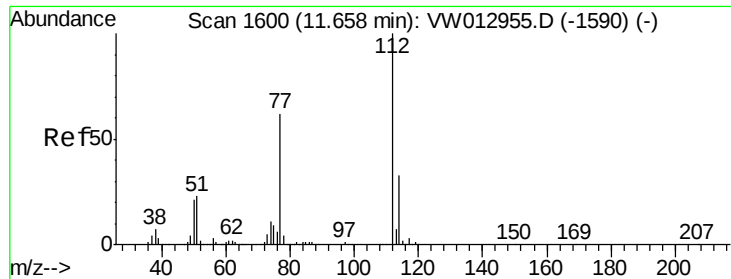
MMDadoda
9/16/2019 12:43:36 AM



#64
Tetrachloroethene
Concen: 5.197 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	11131		
166	129.8	103.3	154.9	
129	87.0	73.8	110.8	
131	74.9	72.0	108.0	





#65

Chlorobenzene

Concen: 5.392 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion:112 Resp: 34575

Ion Ratio Lower Upper

112 100

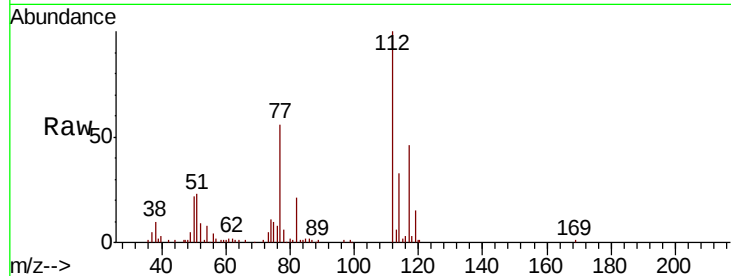
114 32.6 26.4 39.6

Manual Integrations

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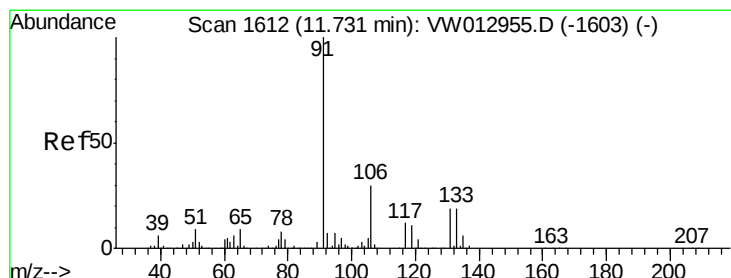
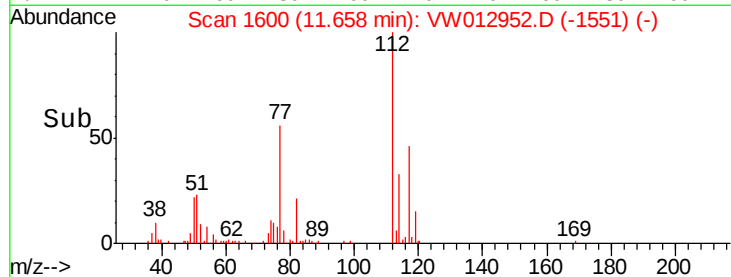
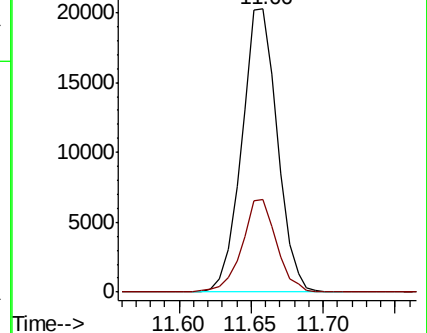
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.226 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

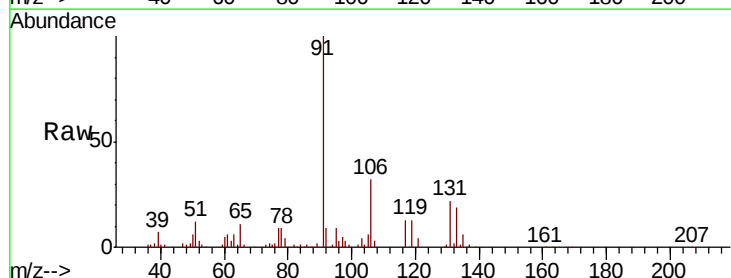
Tgt Ion:131 Resp: 12842

Ion Ratio Lower Upper

131 100

133 90.4 47.9 143.8

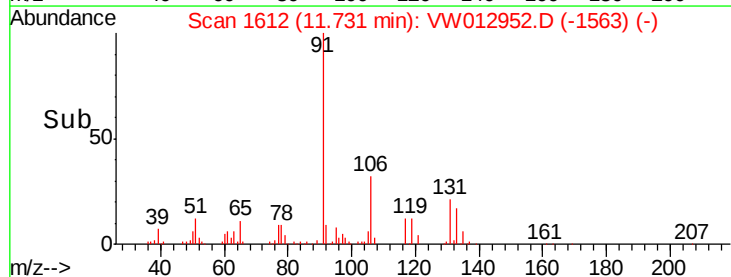
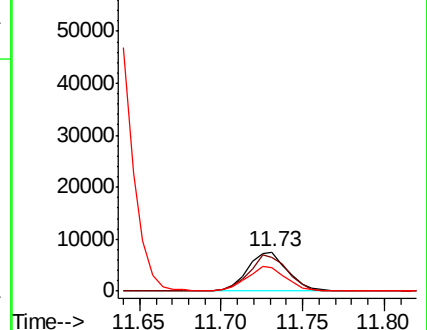
119 62.6 30.9 92.7

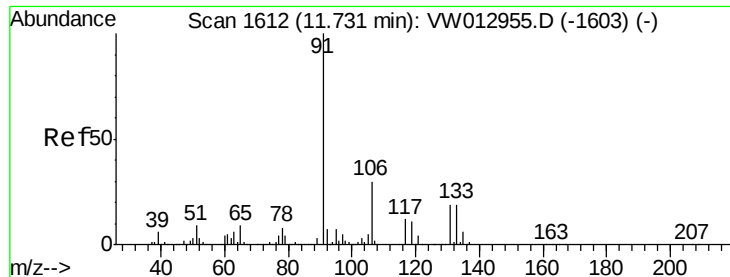


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





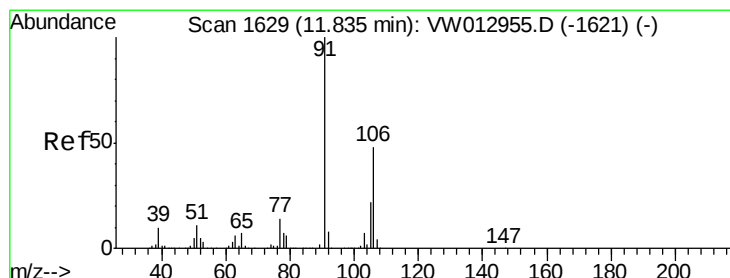
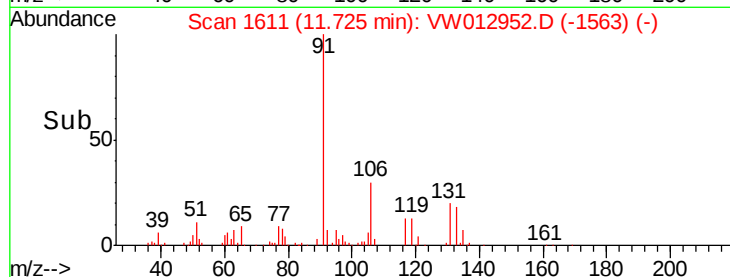
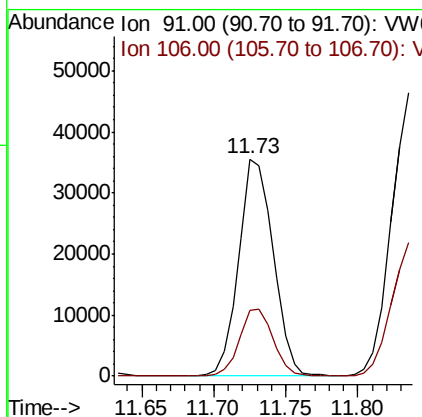
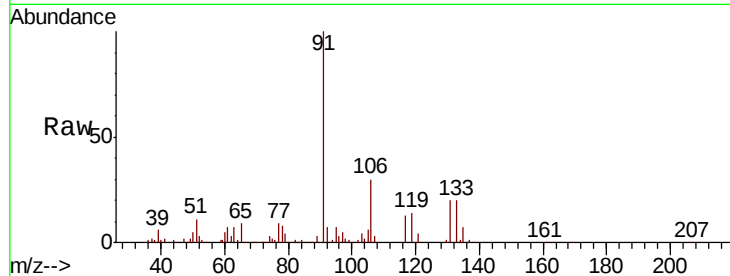
#67
Ethyl Benzene
Concen: 5.013 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion: 91 Resp: 59373
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

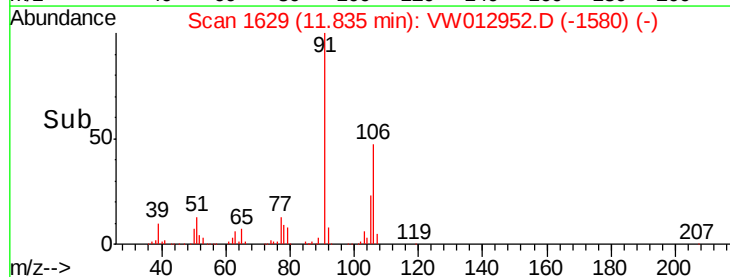
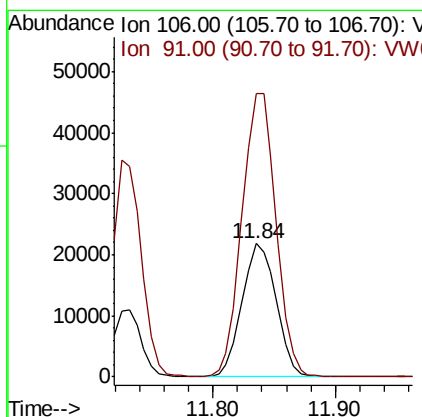
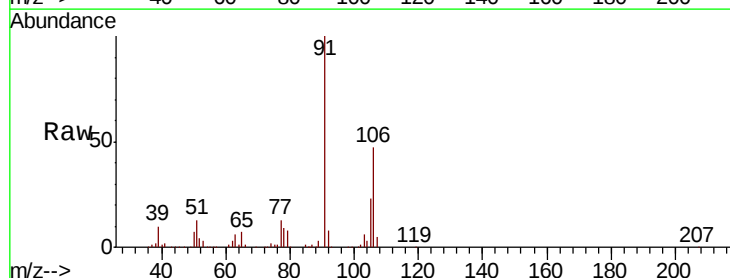
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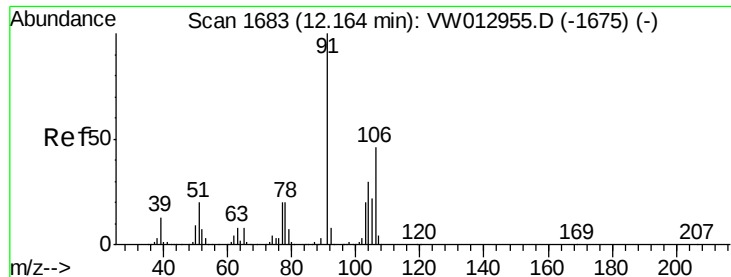
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#68
m/p-Xylenes
Concen: 9.775 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion: 106 Resp: 42295
Ion Ratio Lower Upper
106 100
91 212.3 165.8 248.8





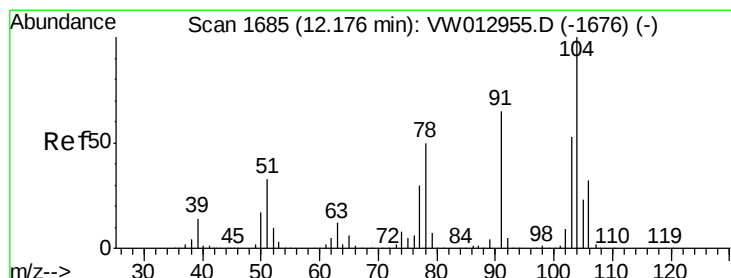
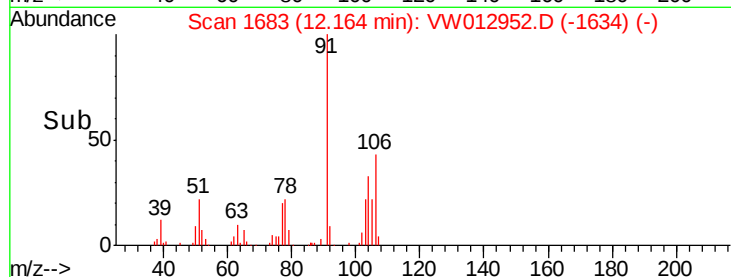
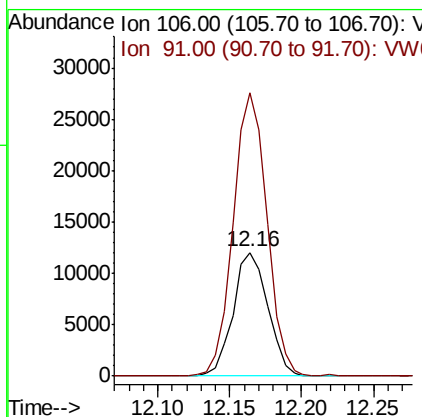
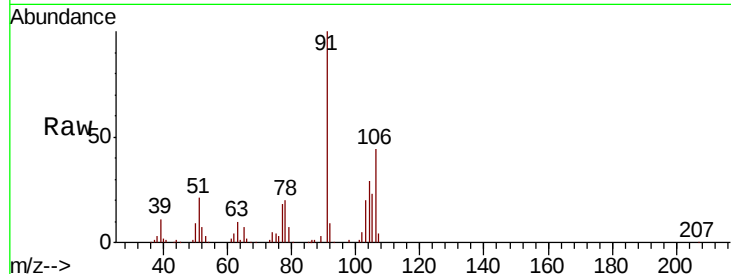
#69
o-Xylene
Concen: 4.986 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 20226
Ion Ratio Lower Upper
106 100
91 222.6 109.7 329.0

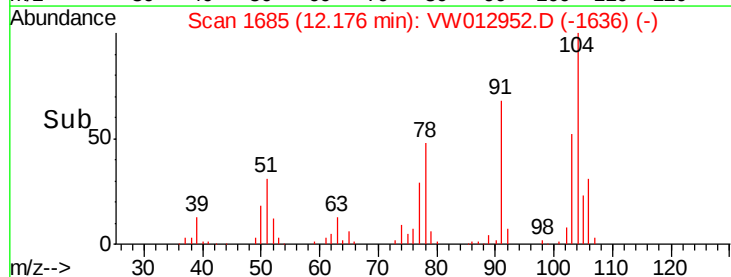
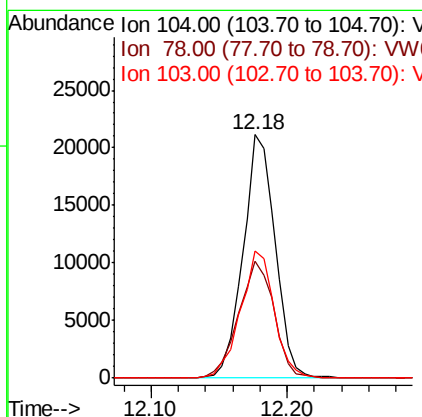
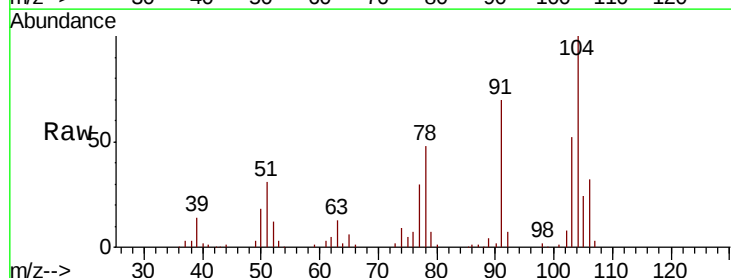
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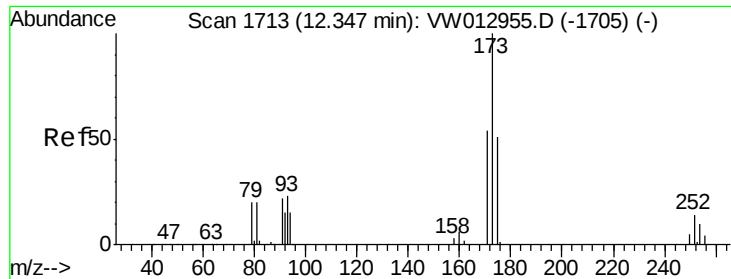
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#70
Styrene
Concen: 4.848 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion:104 Resp: 34980
Ion Ratio Lower Upper
104 100
78 53.0 42.1 63.1
103 54.6 44.2 66.4





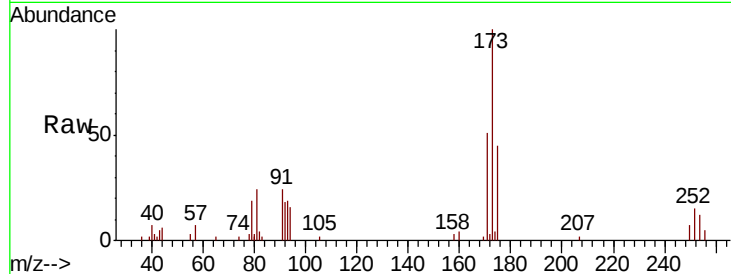
#71
Bromoform
Concen: 4.770 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.0	0.1	0.1#

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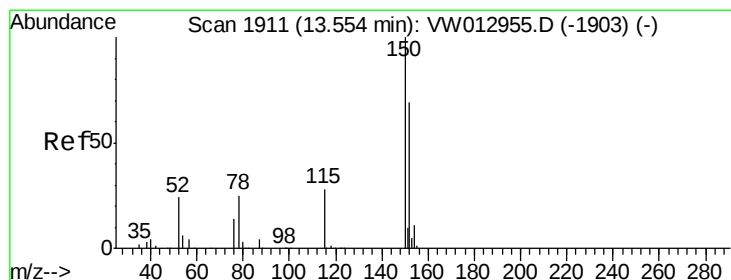
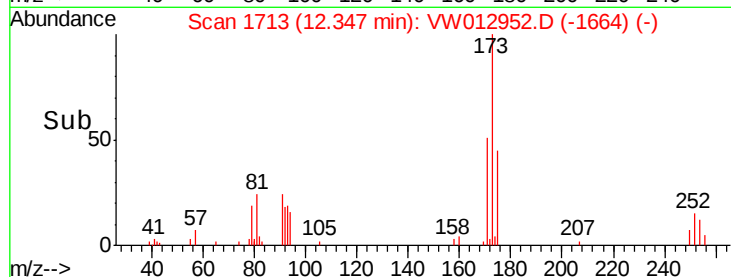
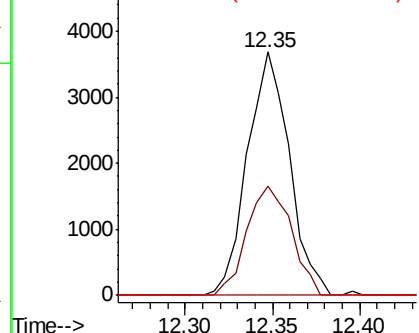


Abundance

Ion 172.70 (172.40 to 173.40): V

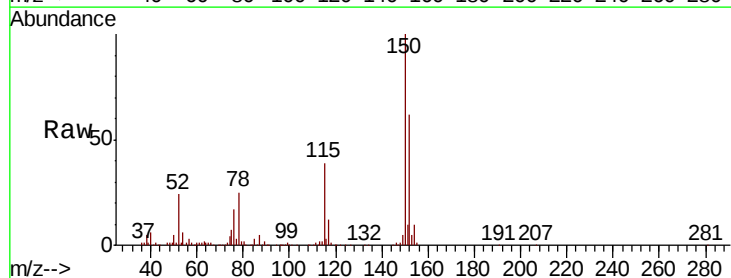
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.4
150	159.5	0.0	340.2

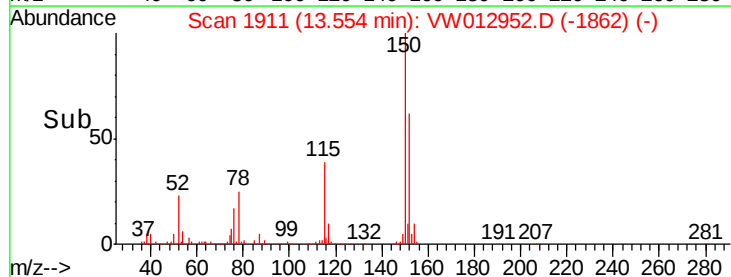
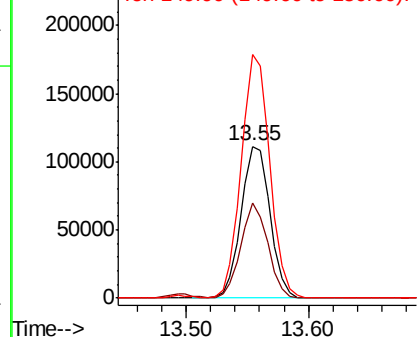


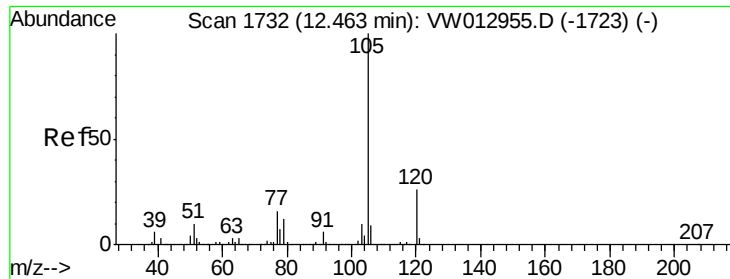
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.907 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 58857

Ion Ratio Lower Upper

105 100

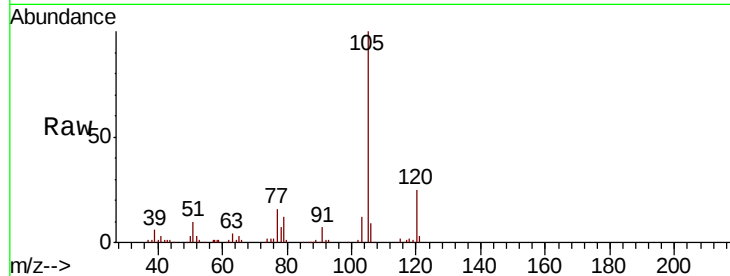
120 25.8 13.0 39.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

40000

30000

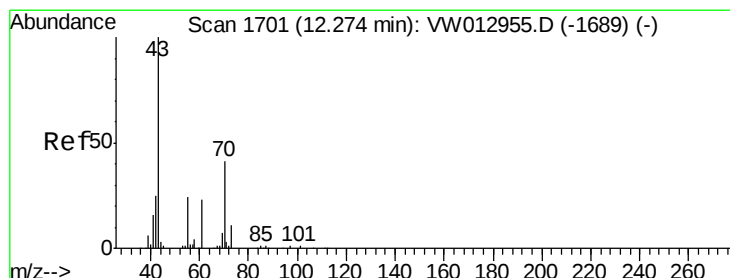
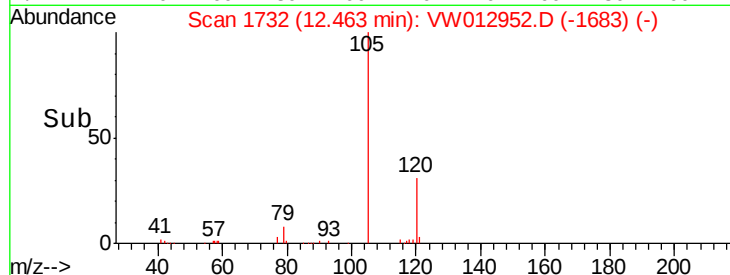
20000

10000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 4.713 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.01 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion: 43 Resp: 14542

Ion Ratio Lower Upper

43 100

70 36.7 31.7 47.5

55 23.8 19.4 29.2

61 22.9 18.7 28.1

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

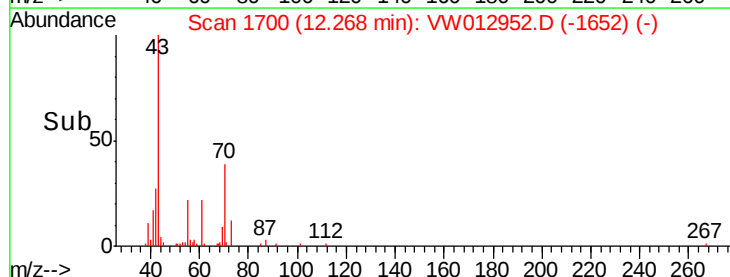
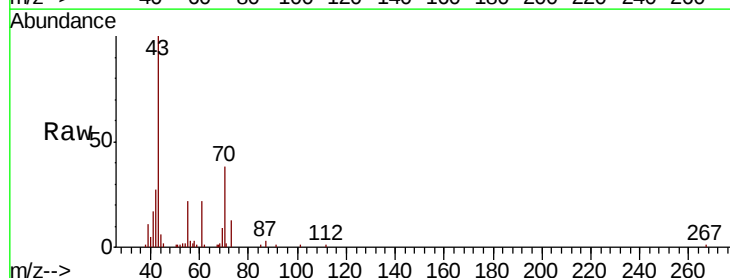
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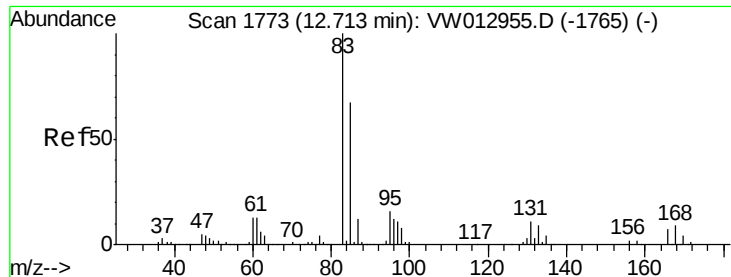
5000

0

12.20 12.25 12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 5.050 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

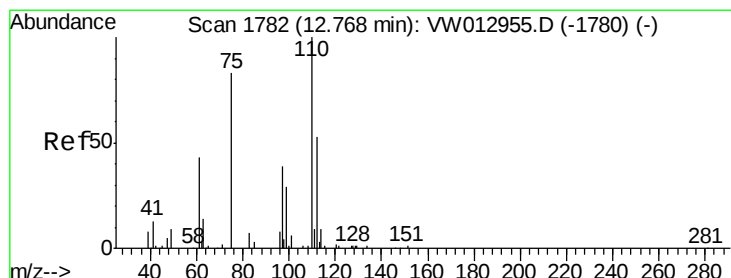
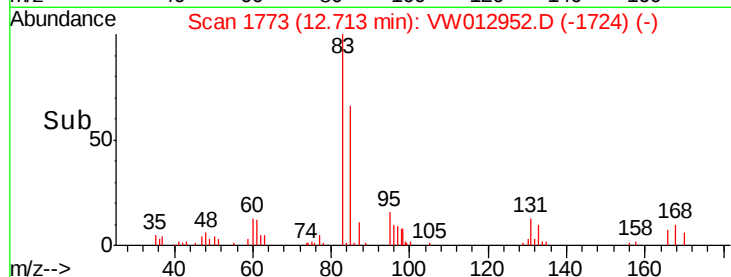
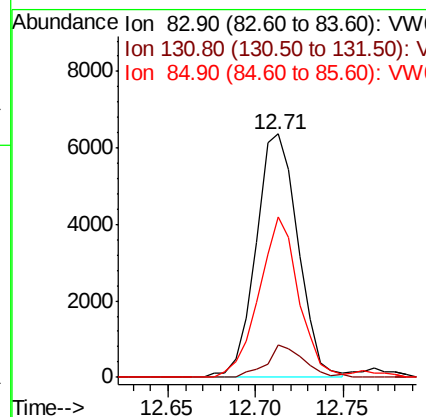
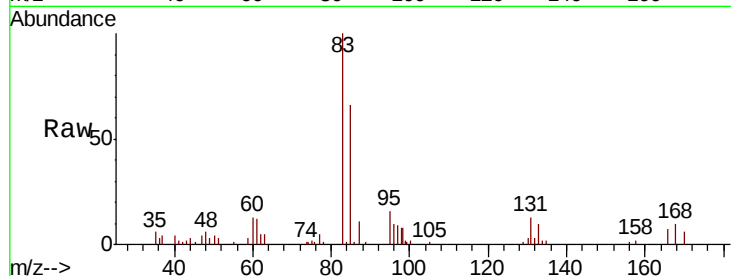
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	10639
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.7	17.1
85	62.8	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.829 ug/l m

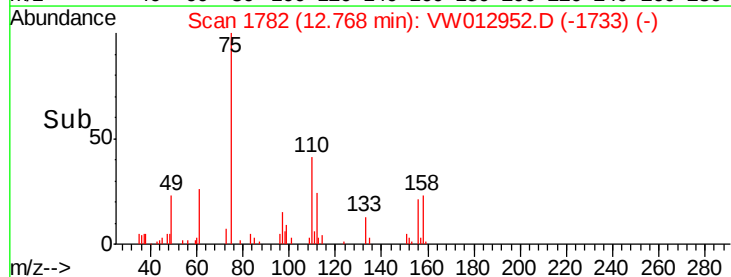
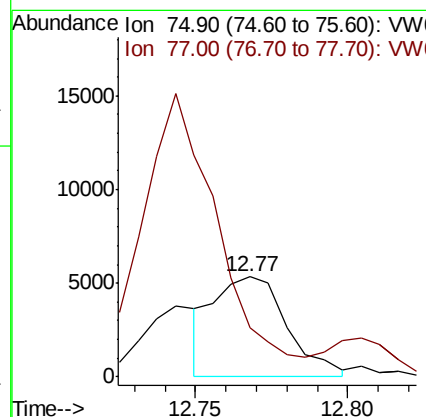
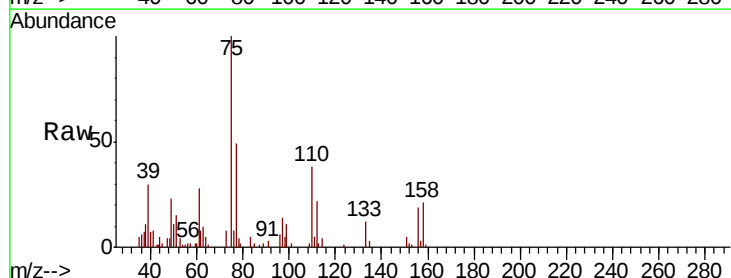
RT: 12.77 min Scan# 1782

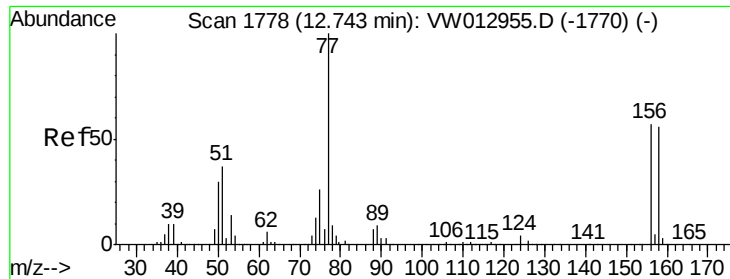
Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion:	75	Resp:	8899
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.232 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

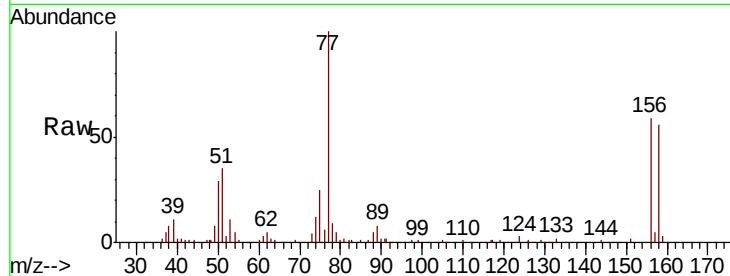
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	14456
Ion Ratio	Lower	Upper	
156	100		
77	184.5	95.2	285.6
158	96.4	49.0	147.2

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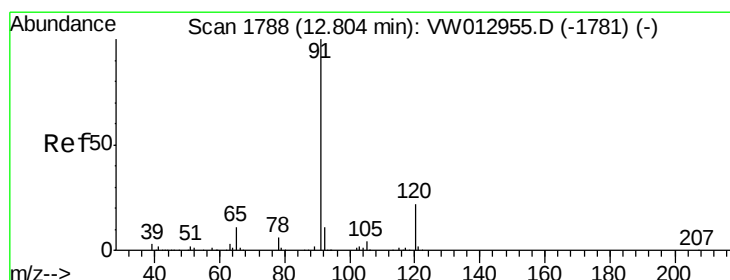
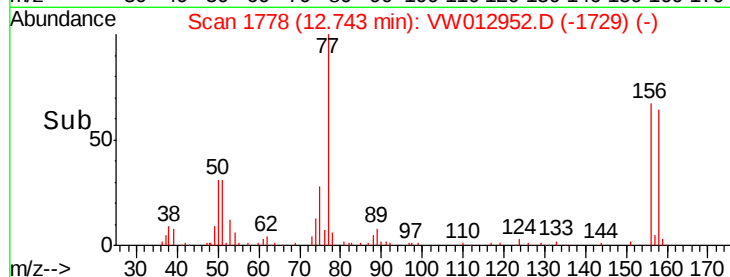
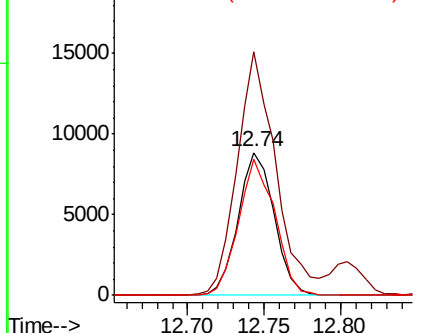
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.994 ug/l

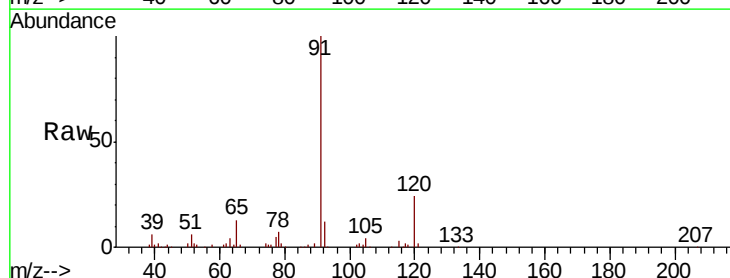
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012952.D

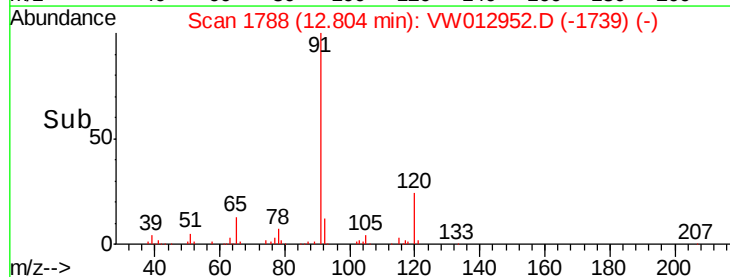
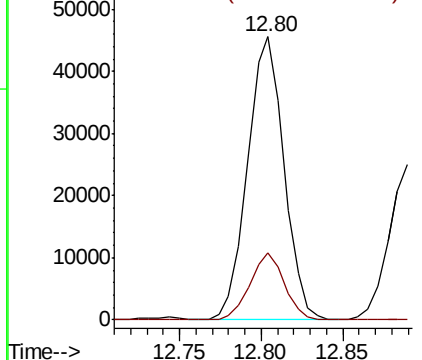
Acq: 13 Sep 2019 14:05

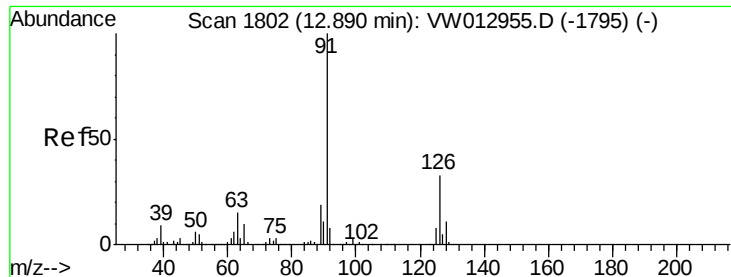
Tgt Ion:	91	Resp:	70465
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.107 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 41419

Ion Ratio Lower Upper

91 100

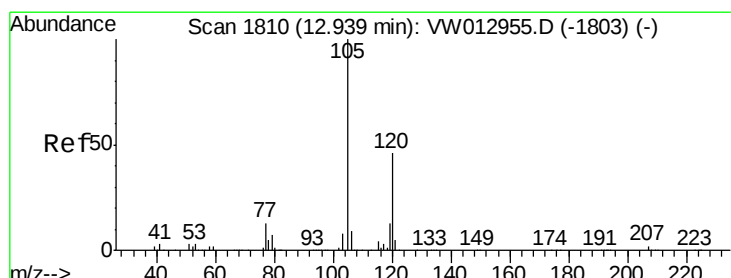
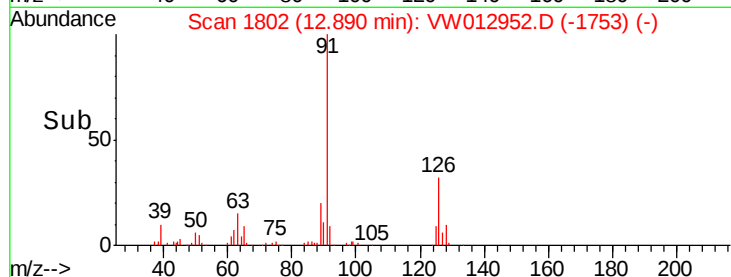
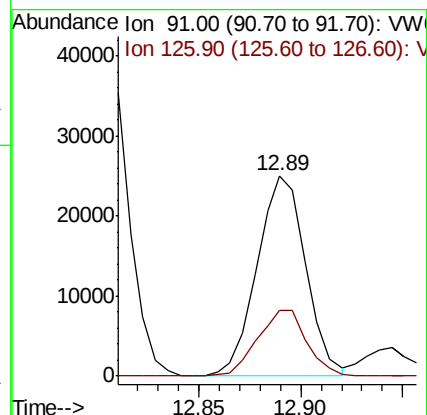
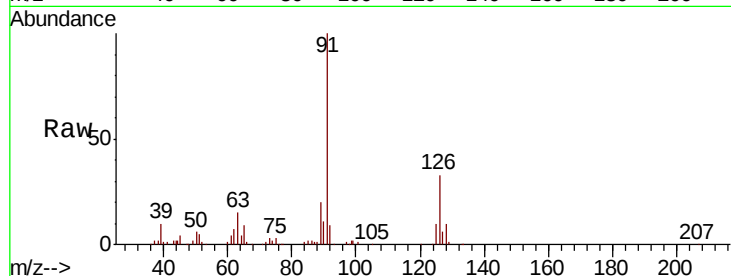
126 33.5 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 5.112 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW012952.D

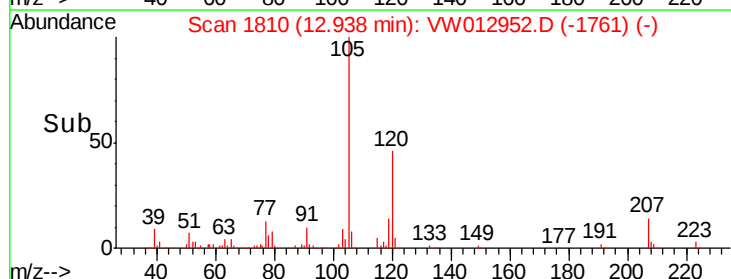
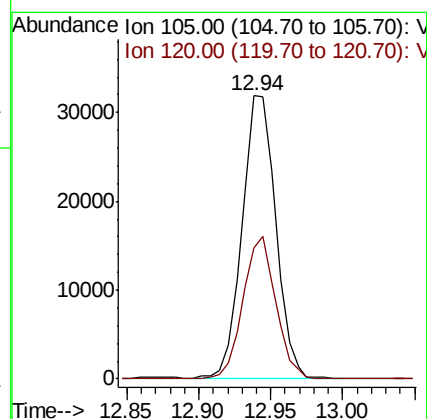
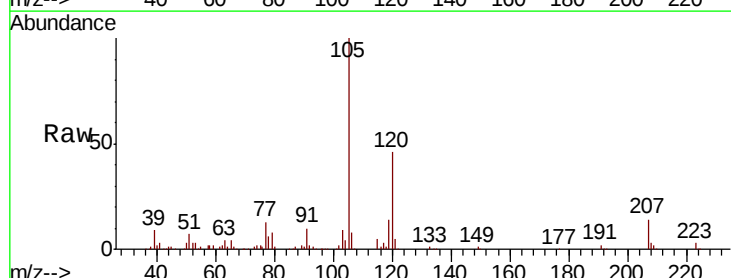
Acq: 13 Sep 2019 14:05

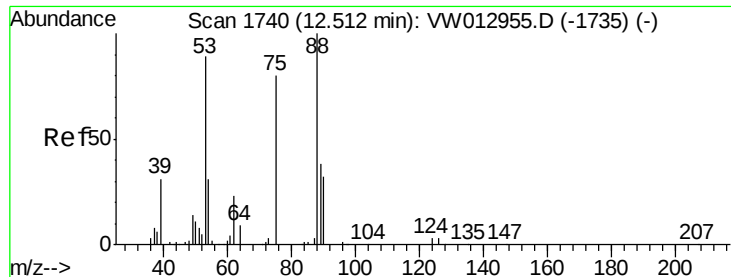
Tgt Ion: 105 Resp: 51876

Ion Ratio Lower Upper

105 100

120 48.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 4.817 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Instrument :

MSVOA_W

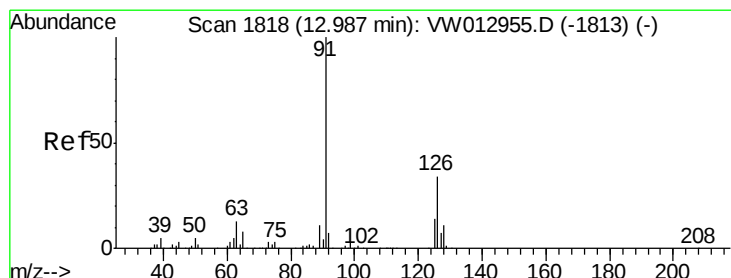
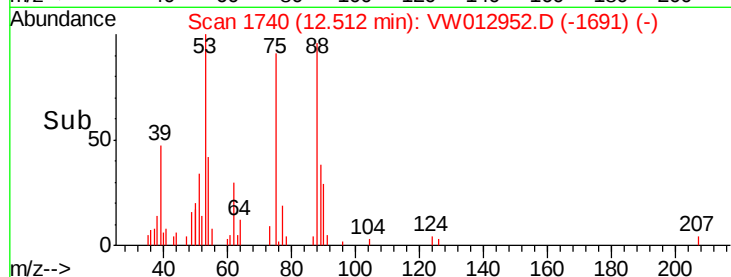
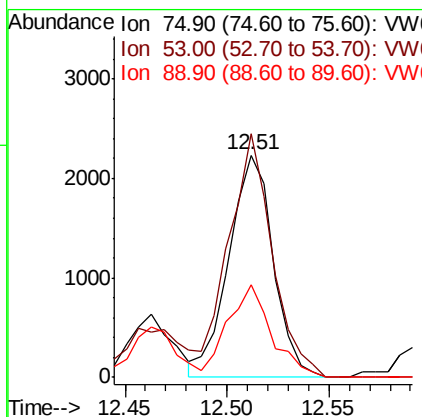
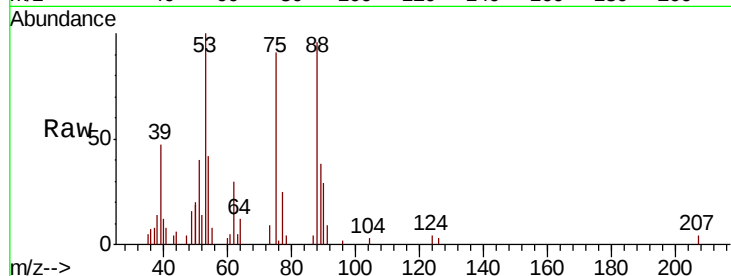
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	3366
Ion	Ratio	Lower	Upper
75	100		
53	106.6	85.6	128.4
89	41.1	37.2	55.8

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#82

4-Chlorotoluene

Concen: 5.242 ug/l

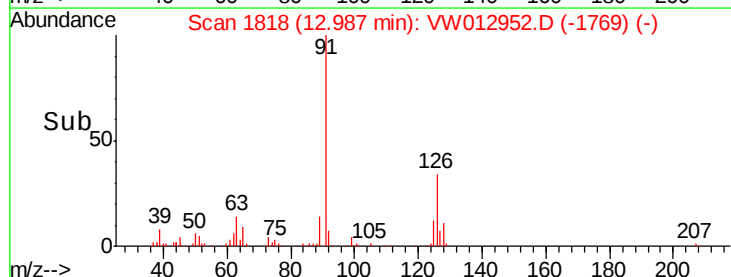
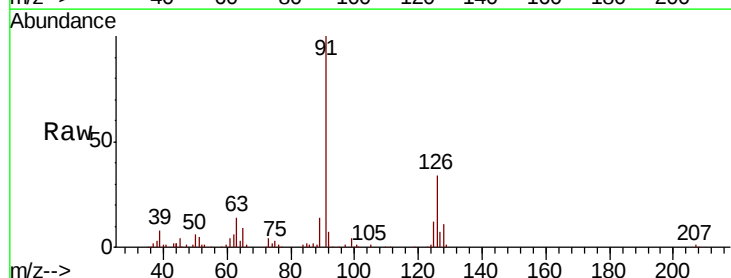
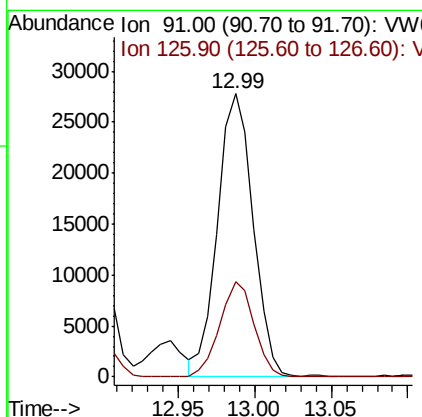
RT: 12.99 min Scan# 1818

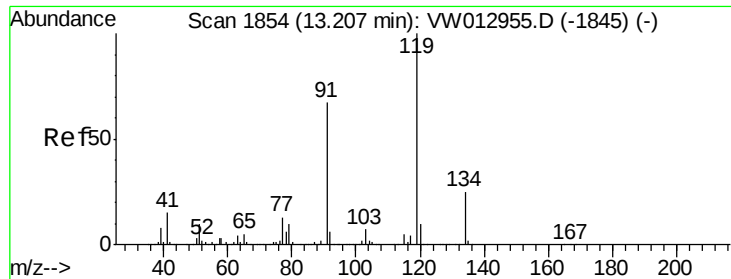
Delta R.T. -0.00 min

Lab File: VW012952.D

Acq: 13 Sep 2019 14:05

Tgt Ion:	91	Resp:	44859
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.3





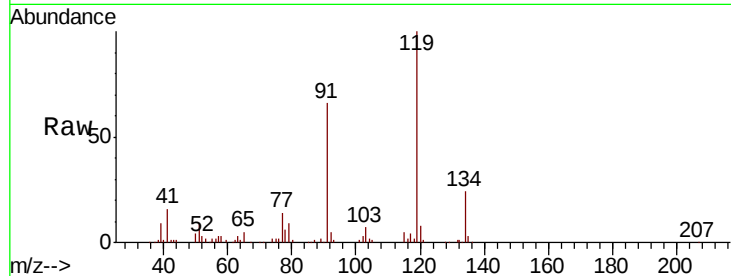
#83
tert-Butylbenzene
Concen: 5.163 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	46863		
91	65.9	32.6	98.0	
134	27.0	12.4	37.4	

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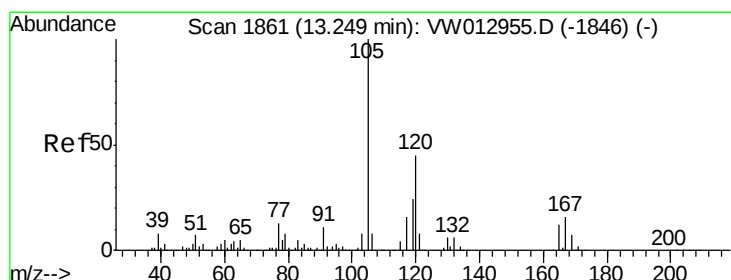
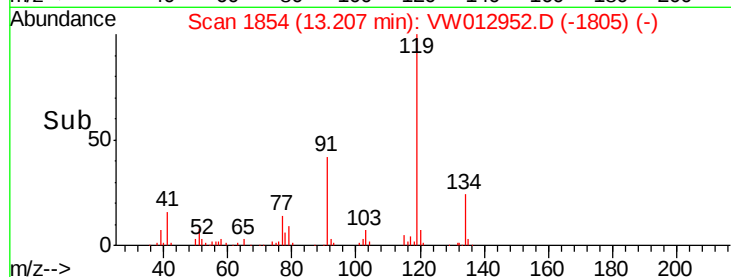
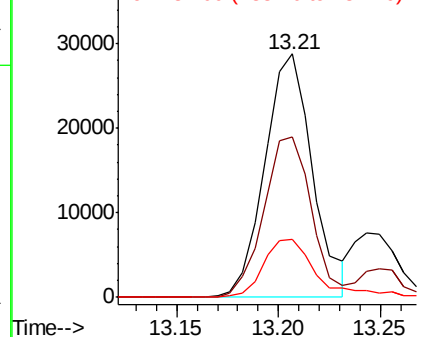


Abundance

Ion 119.00 (118.70 to 119.70): V

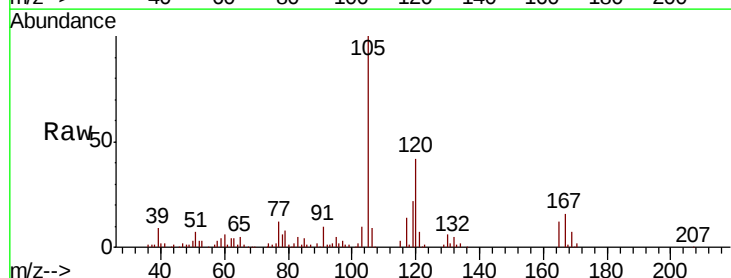
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 5.061 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

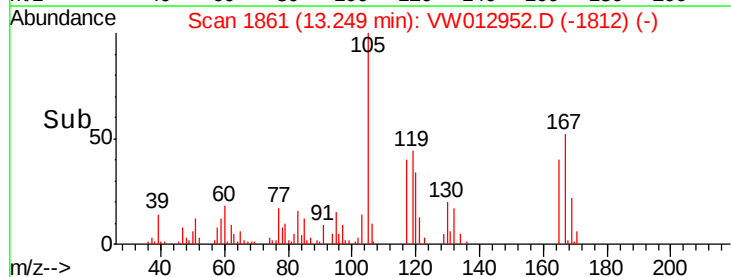
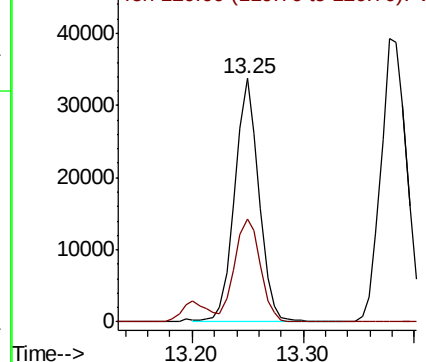
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	50742		
120	44.6	21.9	65.7	

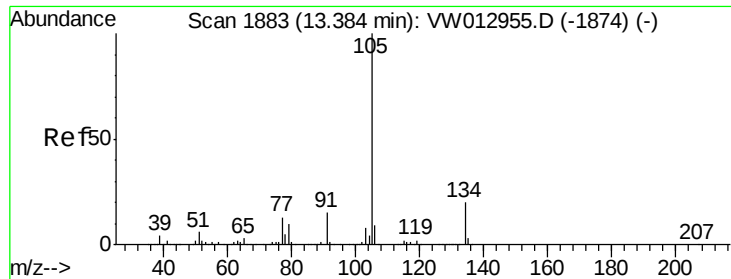


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





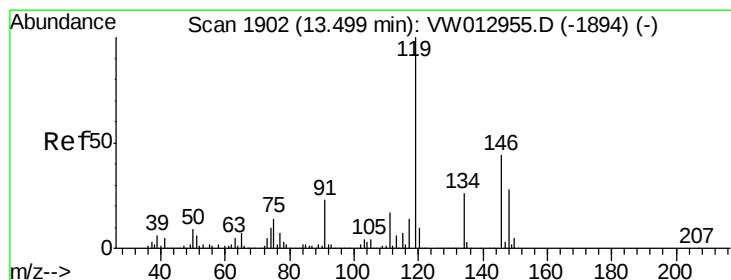
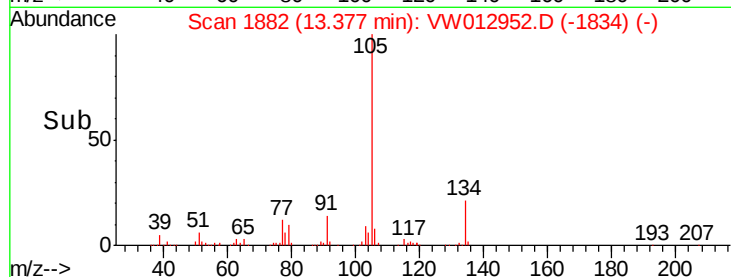
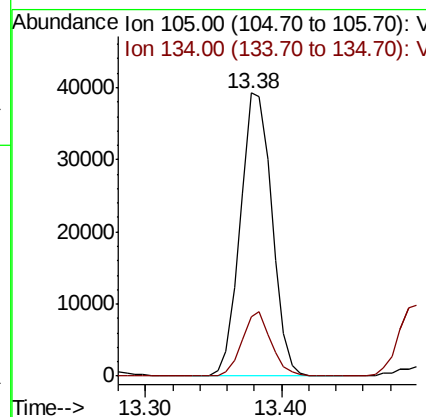
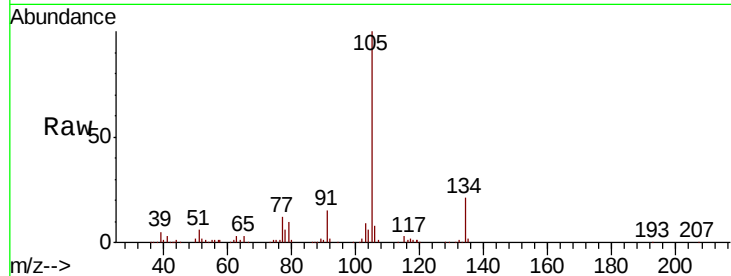
#85
 sec-Butylbenzene
 Concen: 5.151 ug/l
 RT: 13.38 min Scan# 1882
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 63693
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.2 30.4

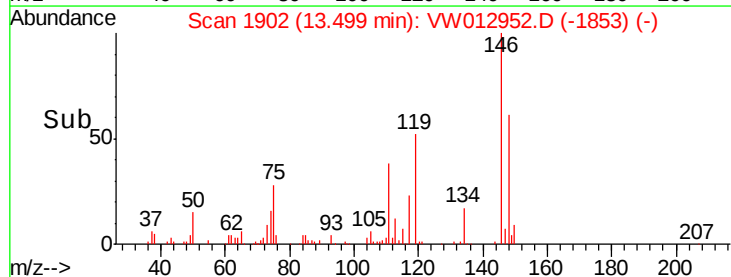
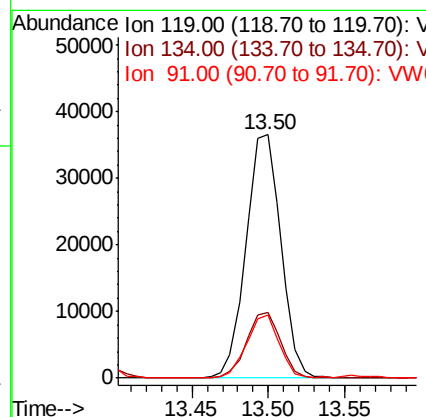
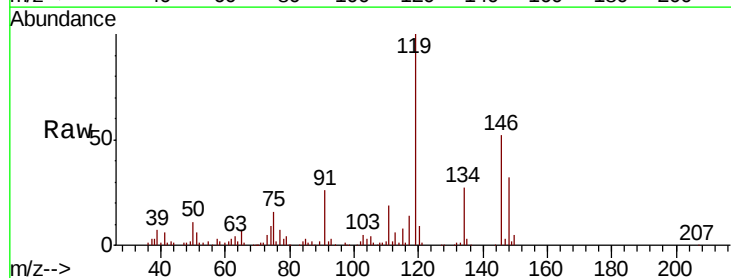
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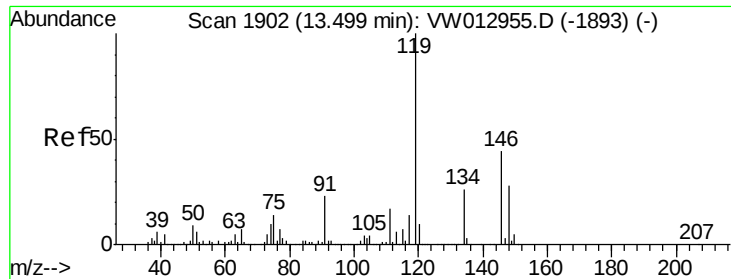
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#86
 p-Isopropyltoluene
 Concen: 5.109 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion:119 Resp: 58000
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.8 38.3
 91 24.4 11.8 35.4





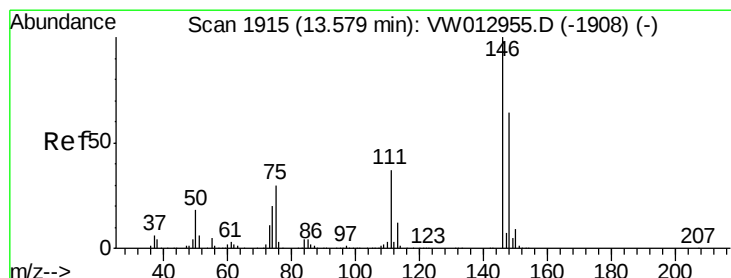
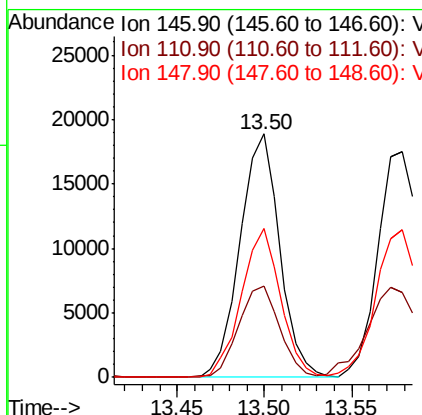
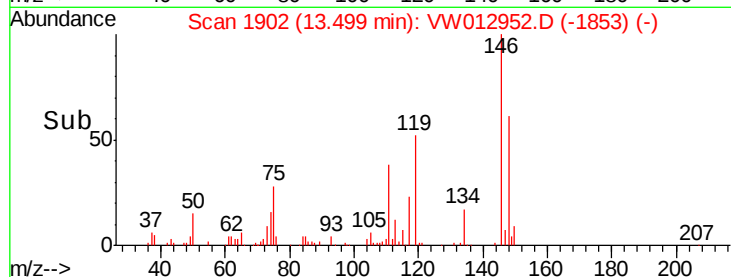
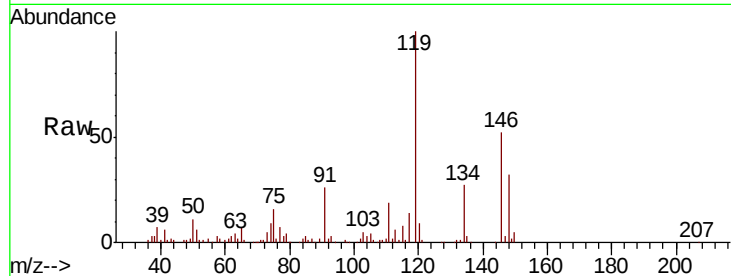
#87
 1,3-Dichlorobenzene
 Concen: 5.457 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.4
148	60.6	31.9	95.7

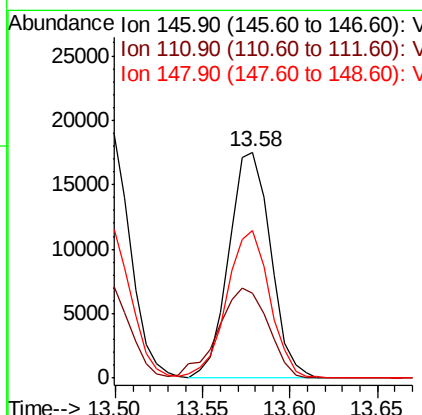
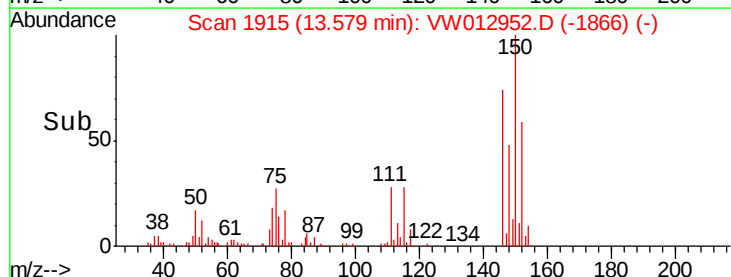
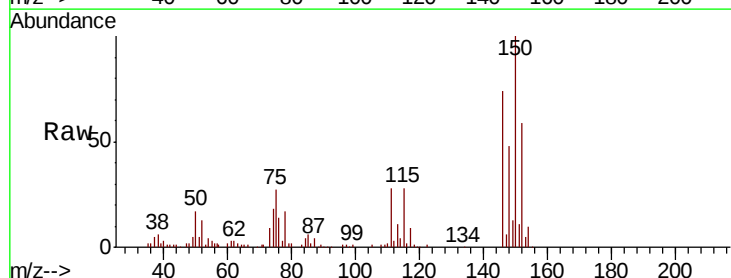
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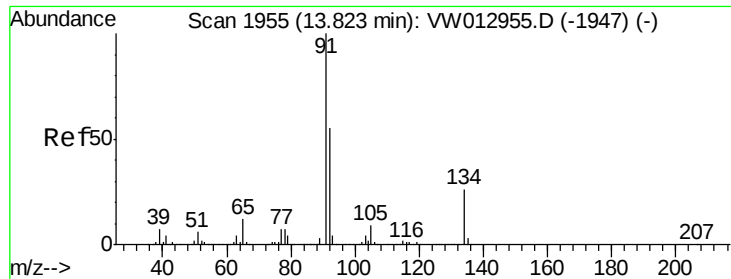
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#88
 1,4-Dichlorobenzene
 Concen: 5.434 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	19.4	58.2
148	67.5	31.9	95.5





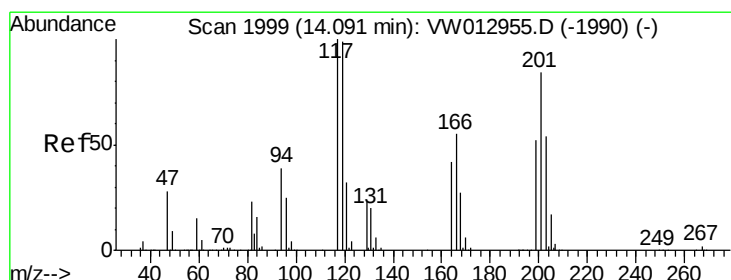
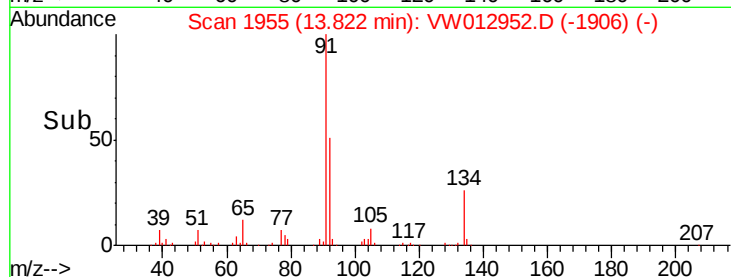
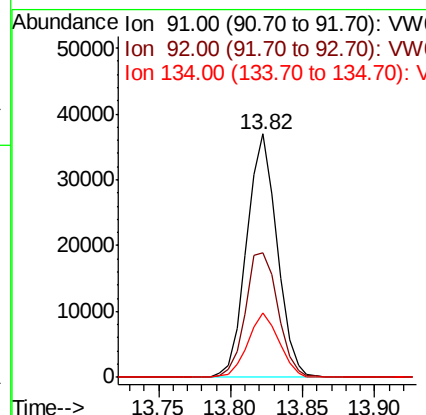
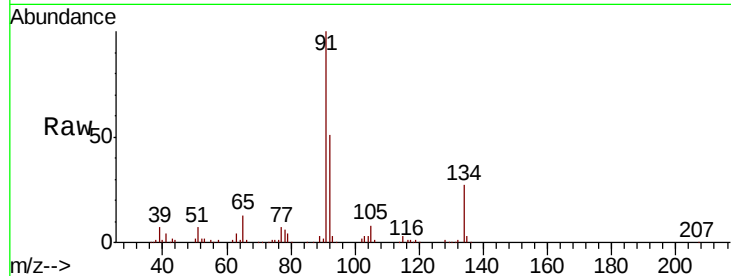
#89
n-Butylbenzene
Concen: 5.045 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.2	81.5
134	27.2	13.1	39.1

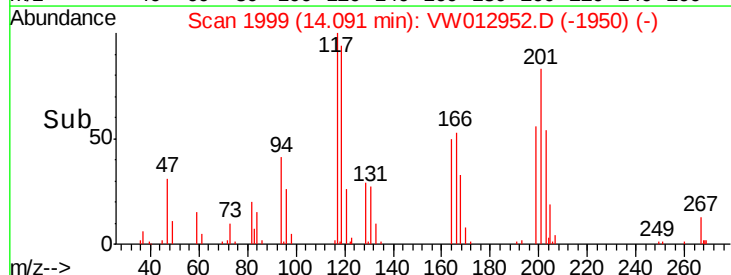
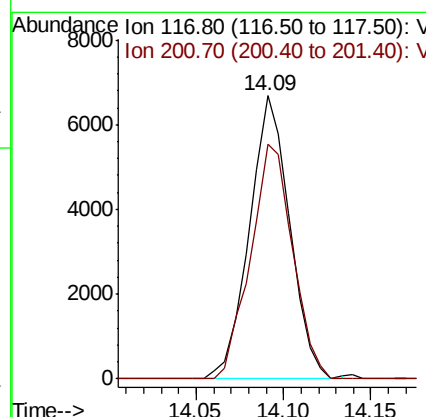
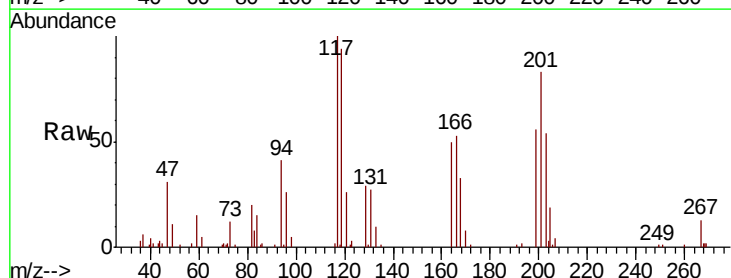
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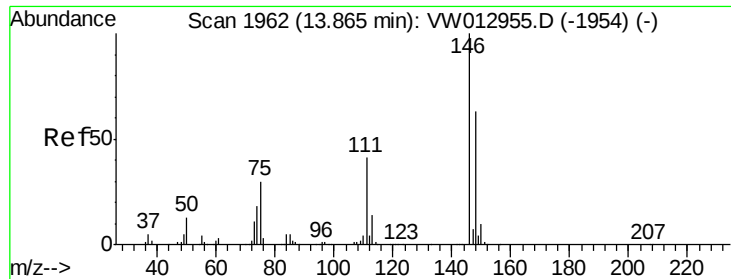
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#90
Hexachloroethane
Concen: 5.256 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.7	45.3	135.9





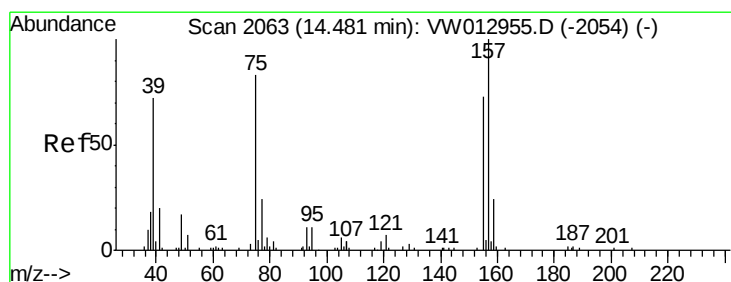
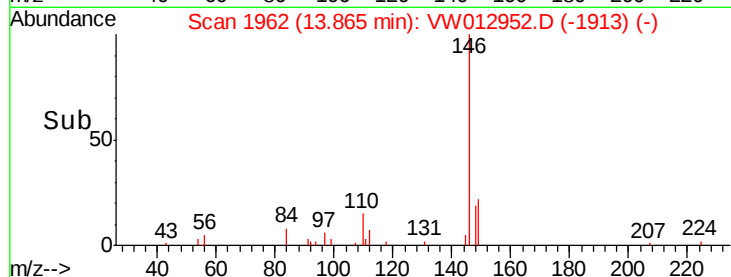
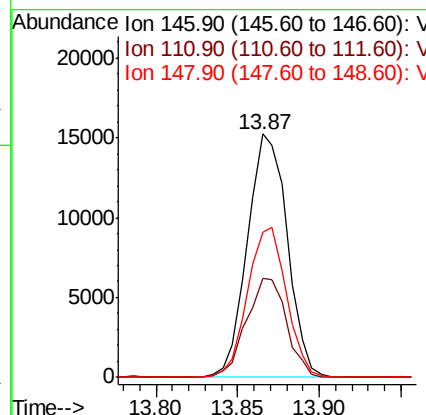
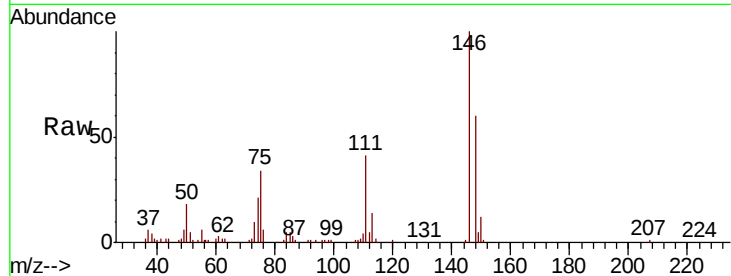
#91
 1,2-Dichlorobenzene
 Concen: 5.393 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.8	62.5
148	60.1	32.7	98.1

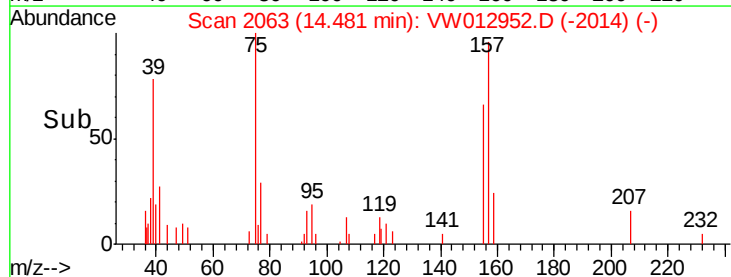
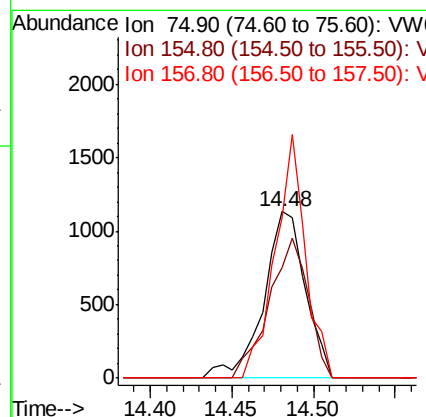
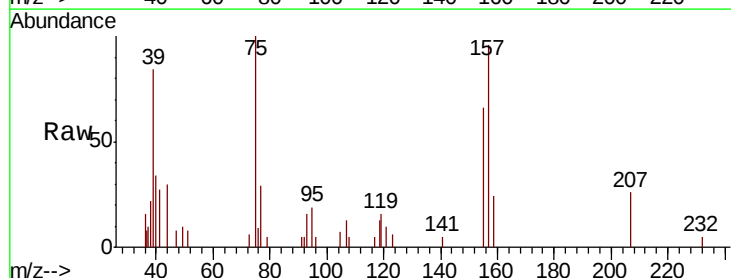
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.218 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.1	43.3	129.9
157	105.3	54.7	164.1





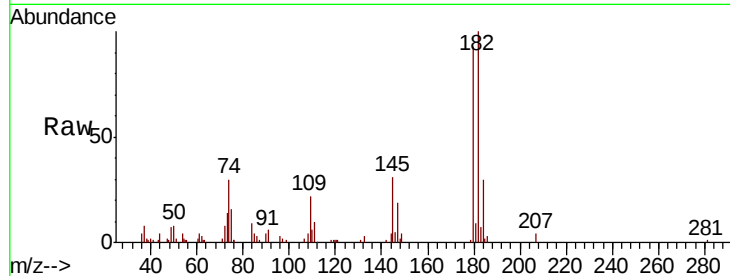
#93
 1,2,4-Trichlorobenzene
 Concen: 4.930 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16913		
182	98.7	47.4	142.2	
145	31.8	14.9	44.7	

Manual Integrations
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 9/16/2019 12:43:36 AM

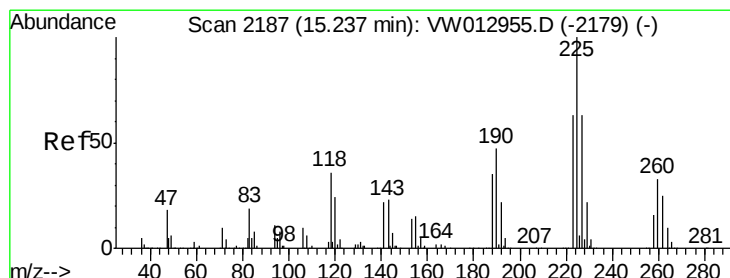
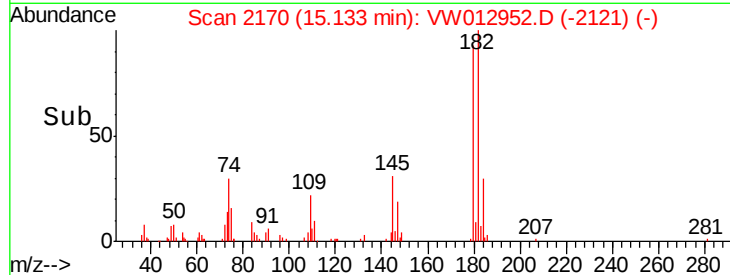
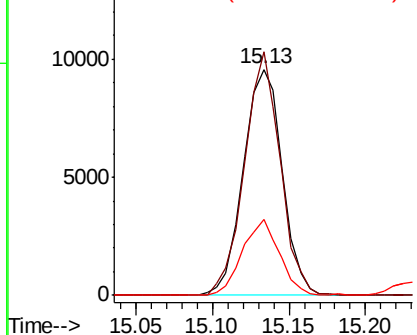


Abundance

Ion 179.80 (179.50 to 180.50): V

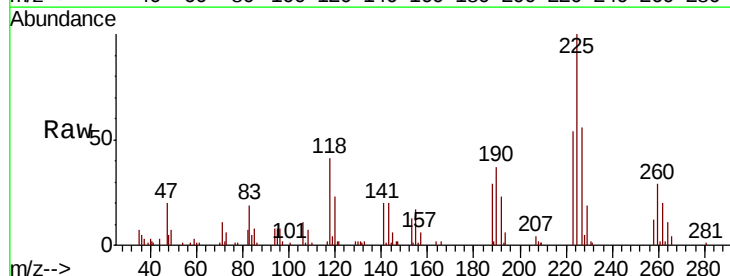
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.517 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW012952.D
 Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13397		
223	63.7	31.8	95.3	
227	67.8	31.3	93.8	

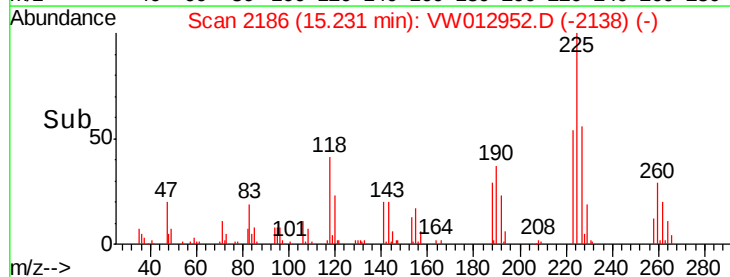
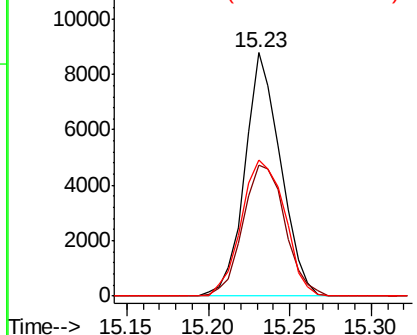


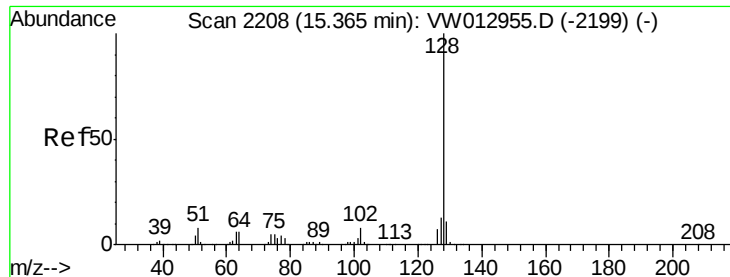
Abundance

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





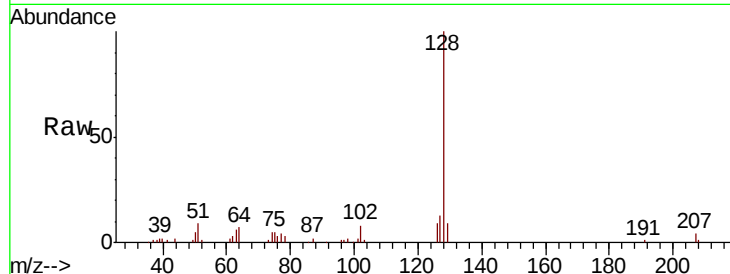
#95
Naphthalene
Concen: 4.265 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

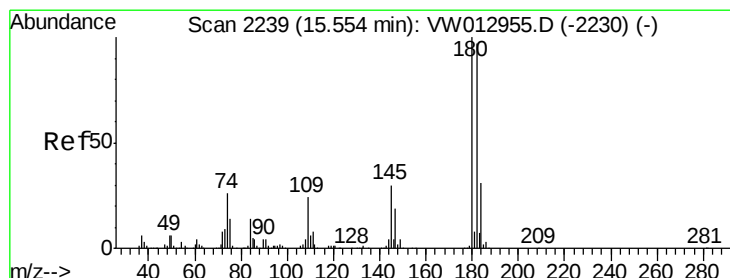
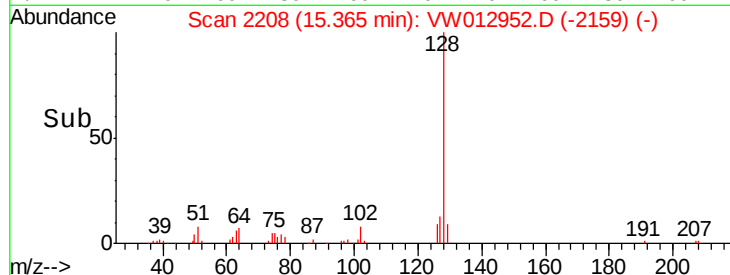
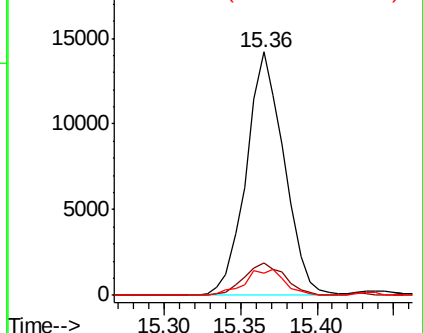
Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.0	16.6
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2019 12:43:36 AM

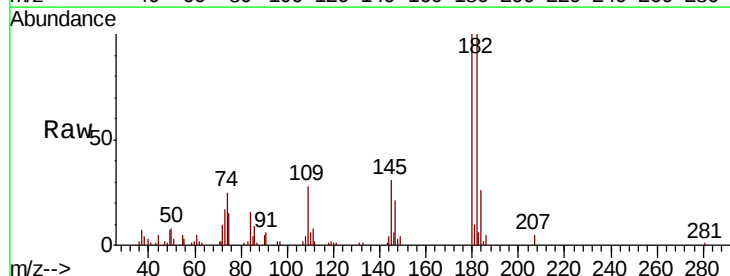


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.098 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW012952.D
Acq: 13 Sep 2019 14:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	34.4	15.4	46.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

