

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060419\
 Data File : VW010674.D
 Acq On : 04 Jun 2019 14:21
 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
 6/5/2019 3:04:50 PM

Quant Time: Jun 05 03:09:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 02:25:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	463247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	403354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	186148	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	16330	4.87	ug/l	0.00
Spiked Amount			Recovery	=	9.74%	
35) Dibromofluoromethane	7.89	113	10793	4.29	ug/l	0.00
Spiked Amount			Recovery	=	8.58%	
50) Toluene-d8	10.32	98	55211	5.01	ug/l	0.00
Spiked Amount			Recovery	=	10.02%	
62) 4-Bromofluorobenzene	12.62	95	20052	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	14887	5.660	ug/l	93
3) Chloromethane	2.21	50	20716	5.354	ug/l	100
4) Vinyl Chloride	2.36	62	18685	5.226	ug/l	97
5) Bromomethane	2.76	94	11984	6.104	ug/l	99
6) Chloroethane	2.92	64	11460	5.340	ug/l	95
7) Trichlorofluoromethane	3.26	101	23653	5.097	ug/l	100
8) Diethyl Ether	3.68	74	8190	4.938	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14297	5.011	ug/l	98
10) Methyl Iodide	4.27	142	8083	3.208	ug/l	98
11) Tert butyl alcohol	5.18	59	6607	24.176	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	14116	5.129	ug/l	98
13) Acrolein	3.90	56	2953	26.443	ug/l	90
14) Allyl chloride	4.67	41	28894	4.761	ug/l	97
15) Acrylonitrile	5.38	53	18983	23.560	ug/l	100
16) Acetone	4.13	43	20934	23.290	ug/l	95
17) Carbon Disulfide	4.38	76	43226	4.947	ug/l	97
18) Methyl Acetate	4.68	43	9564	4.943	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	37948	4.780	ug/l	100
20) Methylene Chloride	4.92	84	17072	5.414	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	15385	4.924	ug/l	97
22) Diisopropyl ether	6.31	45	58916	4.849	ug/l	91
23) Vinyl Acetate	6.26	43	168366	22.962	ug/l	100
24) 1,1-Dichloroethane	6.22	63	29545	4.852	ug/l	99
25) 2-Butanone	7.18	43	27999	22.464	ug/l	98
26) 2,2-Dichloropropane	7.17	77	24603	4.966	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	16707	4.859	ug/l	99
28) Bromochloromethane	7.51	49	14725	5.419	ug/l	97
29) Tetrahydrofuran	7.54	42	18615	23.745	ug/l	99
30) Chloroform	7.68	83	27135	4.872	ug/l	96
31) Cyclohexane	7.95	56	39125	5.781	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	23930	4.919	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23575	4.972	ug/l	98
37) Ethyl Acetate	7.26	43	13059	4.970	ug/l	98
38) Carbon Tetrachloride	8.07	117	19828	4.844	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29588	4.908	ug/l	98
40) Benzene	8.32	78	64394	4.978	ug/l	96
41) Methacrylonitrile	7.49	41	7609	4.872	ug/l	97
42) 1,2-Dichloroethane	8.40	62	20286	4.941	ug/l	98
43) Isopropyl Acetate	8.43	43	23638	4.656	ug/l	97
44) Trichloroethene	9.09	130	15753	4.937	ug/l	94
45) 1,2-Dichloropropane	9.37	63	16749	4.891	ug/l	96
46) Dibromomethane	9.46	93	7688	4.834	ug/l	98
47) Bromodichloromethane	9.65	83	19218	4.661	ug/l	98
48) Methyl methacrylate	9.44	41	11167	4.562	ug/l	97
49) 1,4-Dioxane	9.46	88	2310	92.894	ug/l #	88
51) 4-Methyl-2-Pentanone	10.21	43	59321	22.874	ug/l	99
52) Toluene	10.39	92	38943	4.893	ug/l	96
53) t-1,3-Dichloropropene	10.61	75	19883	4.553	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	23551	4.583	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	11041	4.819	ug/l	96
56) Ethyl methacrylate	10.65	69	15946	4.523	ug/l	98
57) 1,3-Dichloropropane	10.93	76	20733	4.801	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	43201	23.394	ug/l	100
59) 2-Hexanone	10.97	43	41086	21.920	ug/l	98
60) Dibromochloromethane	11.13	129	11470	4.516	ug/l	99
61) 1,2-Dibromoethane	11.23	107	10322	4.755	ug/l	98
64) Tetrachloroethene	10.86	164	13438	5.018	ug/l	96
65) Chlorobenzene	11.66	112	39000	4.917	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	12979	4.727	ug/l	99
67) Ethyl Benzene	11.73	91	76395	5.011	ug/l	100
68) m/p-Xylenes	11.84	106	53352	9.777	ug/l	99
69) o-Xylene	12.16	106	25143	4.858	ug/l	100
70) Styrene	12.18	104	42523	4.730	ug/l	99
71) Bromoform	12.35	173	6190	4.359	ug/l #	98
73) Isopropylbenzene	12.46	105	70174	5.017	ug/l	99
74) N-amyl acetate	12.27	43	20554	4.547	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	12884	4.838	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	9660m	3.622	ug/l	
77) Bromobenzene	12.75	156	15067	4.934	ug/l	98
78) n-propylbenzene	12.80	91	83601	4.956	ug/l	99
79) 2-Chlorotoluene	12.90	91	48077	4.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	56329	4.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	3841	4.516	ug/l	89
82) 4-Chlorotoluene	12.99	91	49902	5.018	ug/l	100
83) tert-Butylbenzene	13.21	119	47763	4.915	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	57002	4.947	ug/l	99
85) sec-Butylbenzene	13.38	105	70414	4.977	ug/l	99
86) p-Isopropyltoluene	13.50	119	61493	4.860	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	28561	4.850	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	29169	4.997	ug/l	93
89) n-Butylbenzene	13.83	91	60829	4.819	ug/l	100
90) Hexachloroethane	14.10	117	10469	4.621	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	26750	5.052	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2154	4.710	ug/l	95

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VSTDICC005

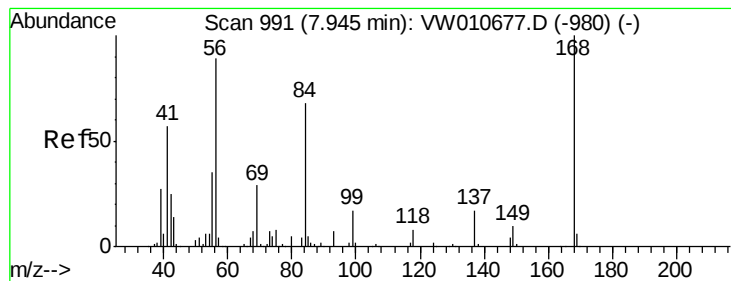
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	17485	4.705	ug/l	98
94) Hexachlorobutadiene	15.24	225	11193	4.799	ug/l	98
95) Naphthalene	15.37	128	29544	4.376	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	14179	4.487	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 284608

Ion Ratio Lower Upper

168 100

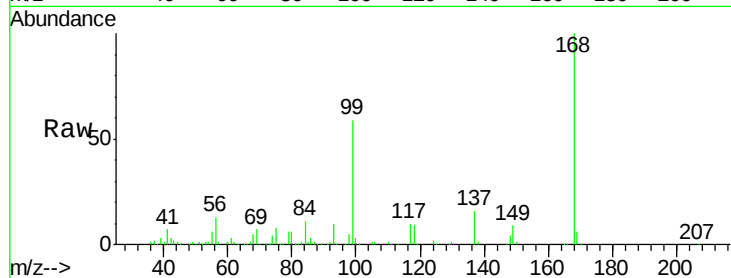
99 59.0 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

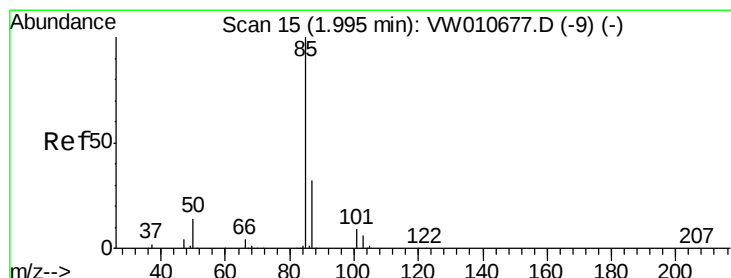
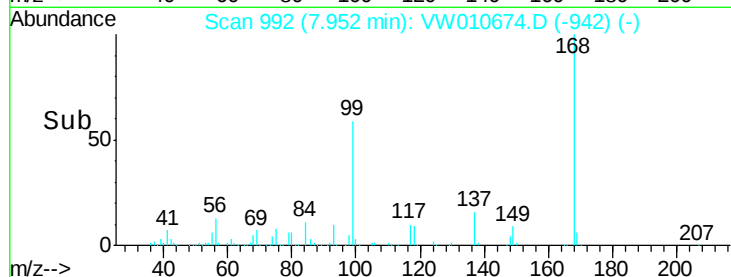
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.660 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW010674.D

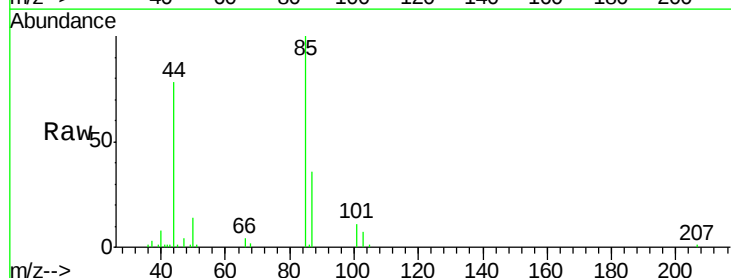
Acq: 04 Jun 2019 14:21

Tgt Ion: 85 Resp: 14887

Ion Ratio Lower Upper

85 100

87 36.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

10000

8000

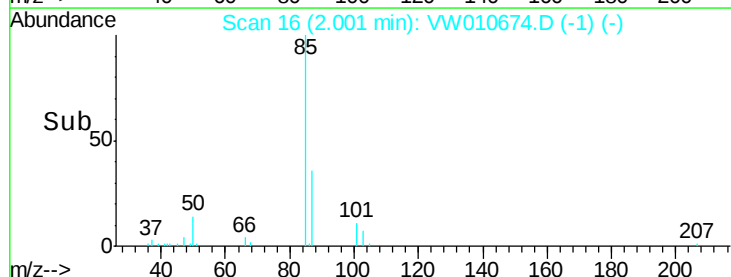
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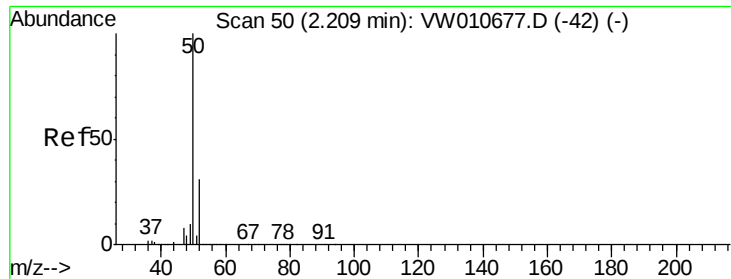
4000

2000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 5.354 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20716

Ion Ratio Lower Upper

50 100

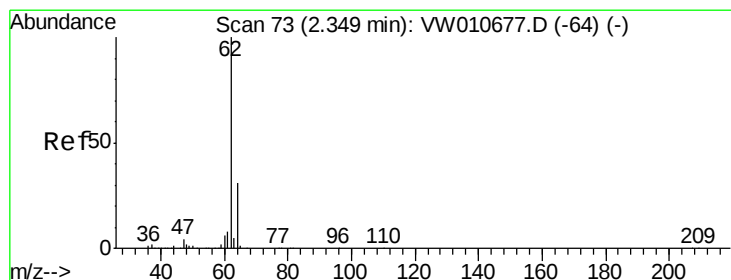
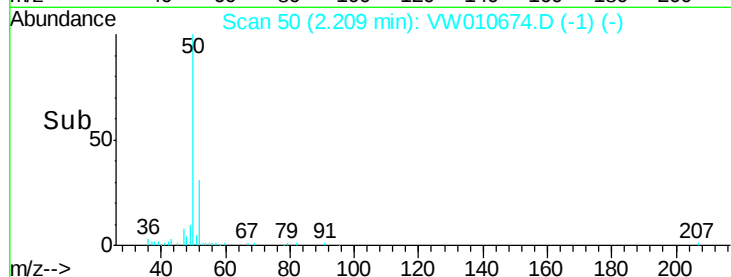
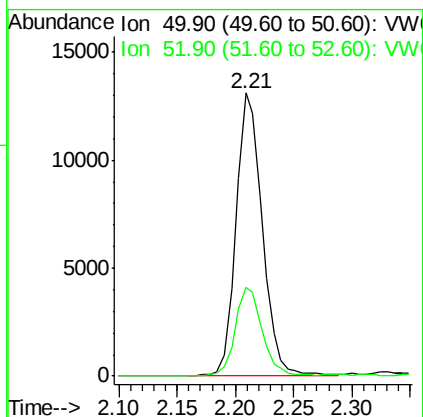
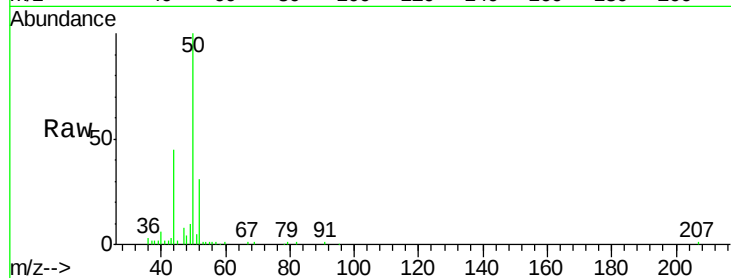
52 31.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 5.226 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VW010674.D

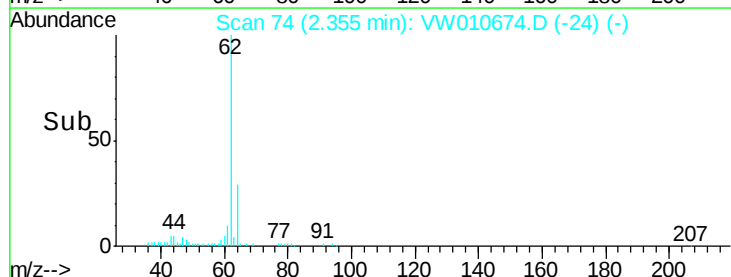
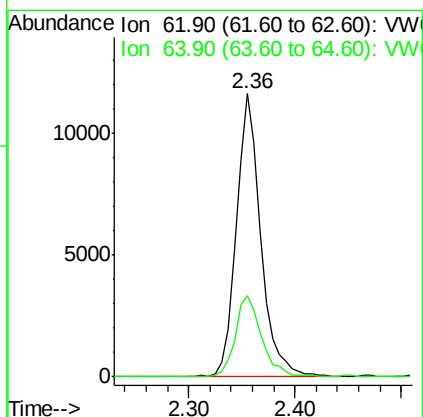
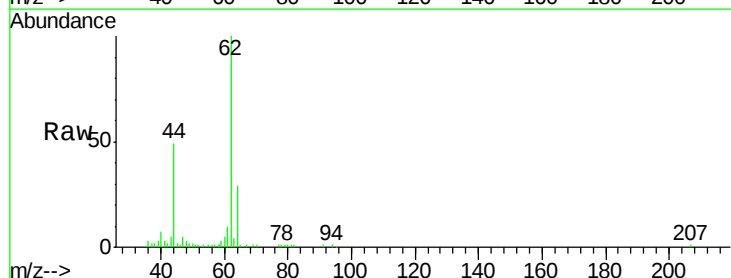
Acq: 04 Jun 2019 14:21

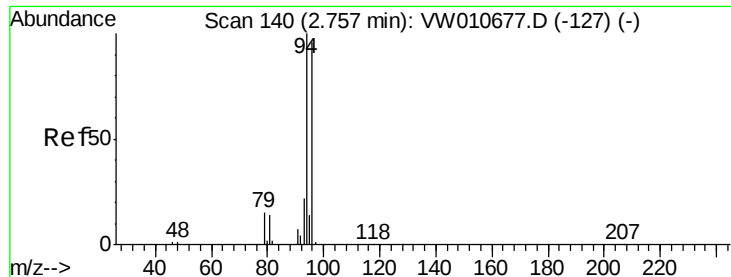
Tgt Ion: 62 Resp: 18685

Ion Ratio Lower Upper

62 100

64 28.8 24.5 36.7





#5

Bromomethane

Concen: 6.104 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 11984

Ion Ratio Lower Upper

94 100

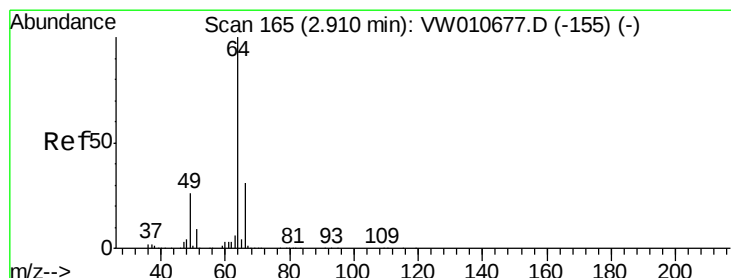
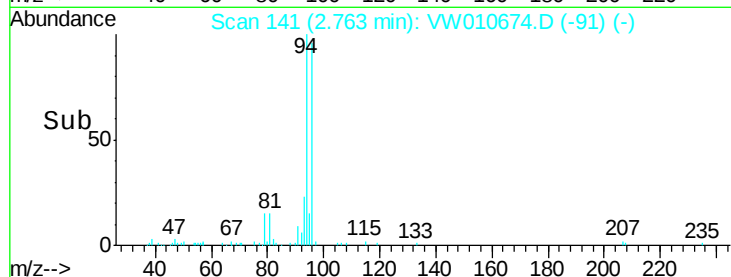
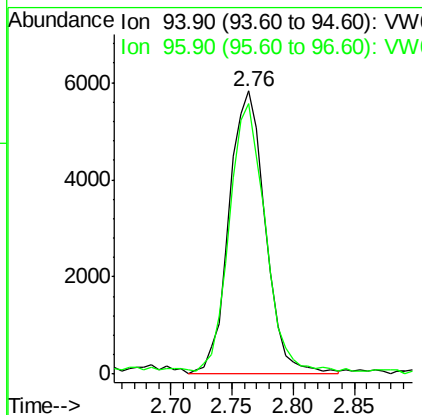
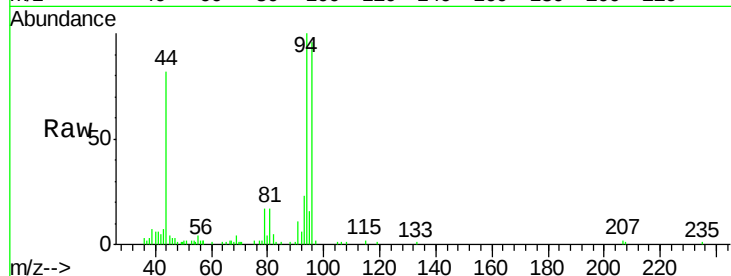
96 94.6 76.5 114.7

Manual Integrations

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#6

Chloroethane

Concen: 5.340 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW010674.D

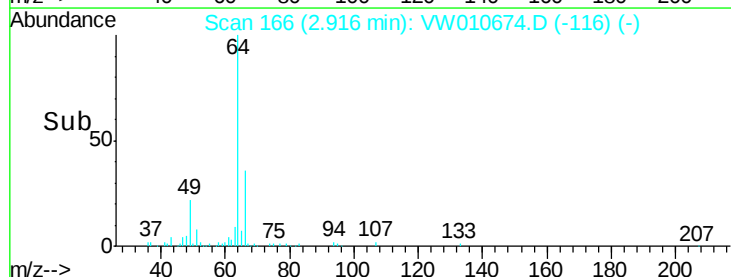
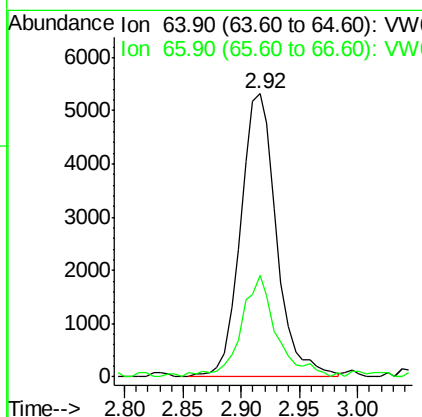
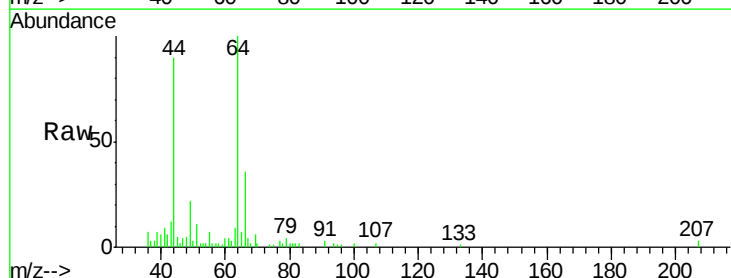
Acq: 04 Jun 2019 14:21

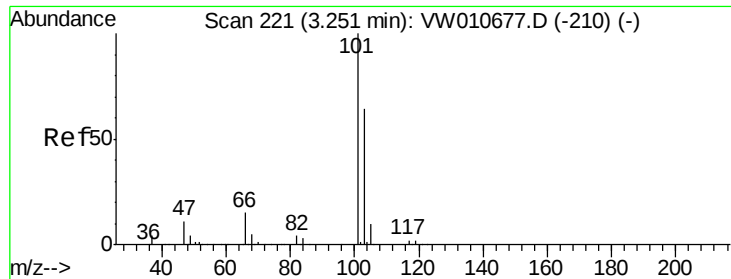
Tgt Ion: 64 Resp: 11460

Ion Ratio Lower Upper

64 100

66 34.4 25.1 37.7





#7

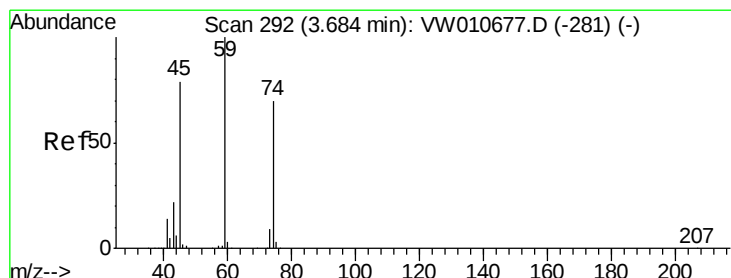
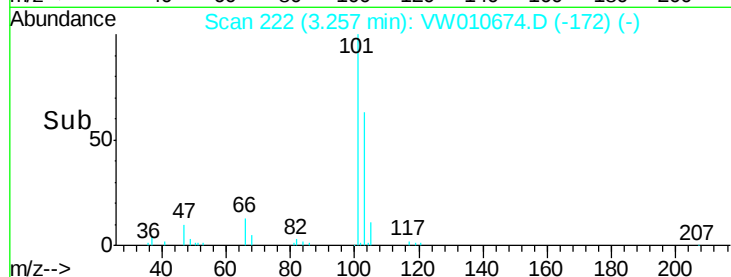
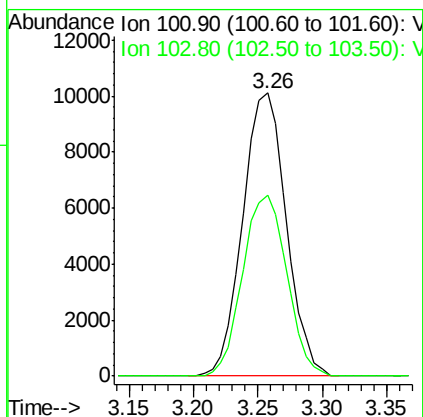
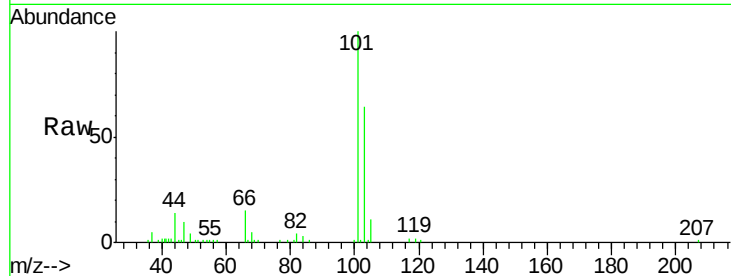
Trichlorofluoromethane
 Concen: 5.097 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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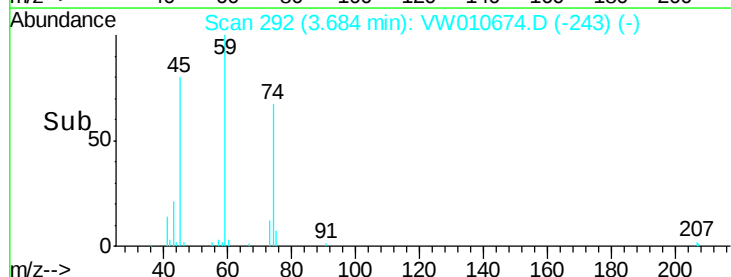
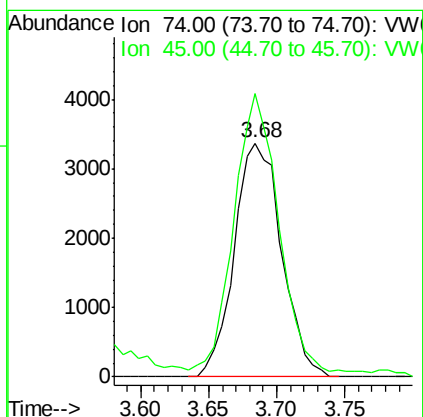
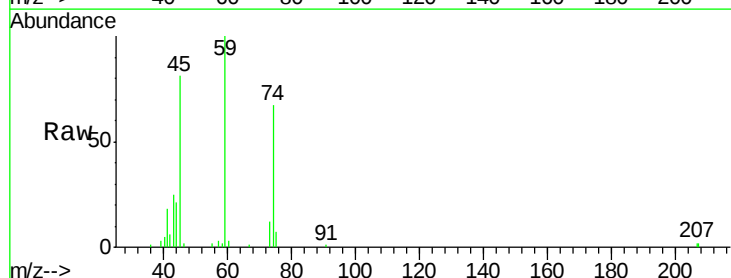
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 6/5/2019 3:04:50 PM

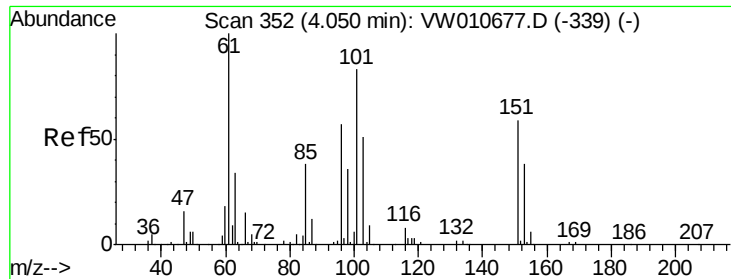


#8

Diethyl Ether
 Concen: 4.938 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.8	56.9	170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.011 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

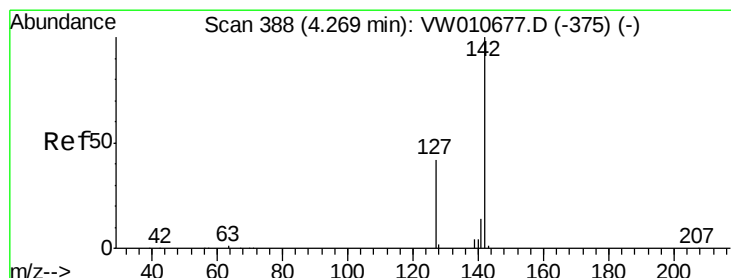
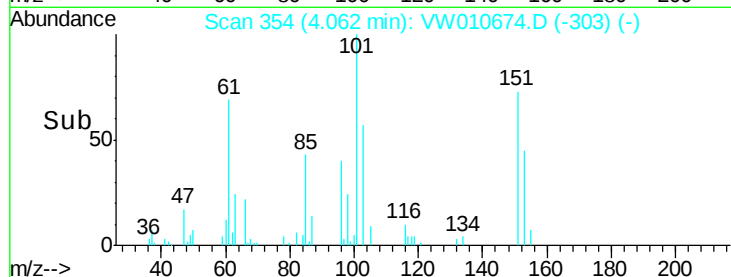
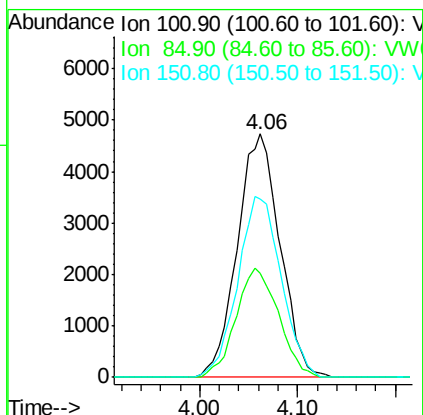
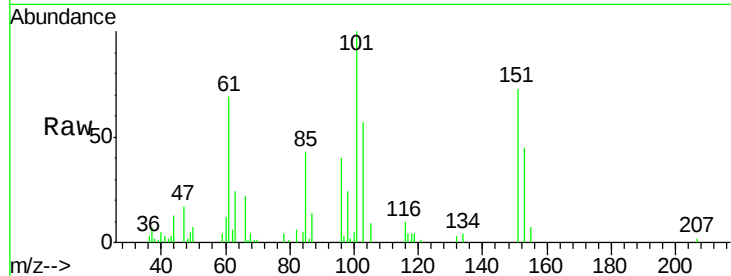
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	14297
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.8	53.8
151	75.8	58.1	87.1

Manual Integrations
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#10

Methyl Iodide

Concen: 3.208 ug/l

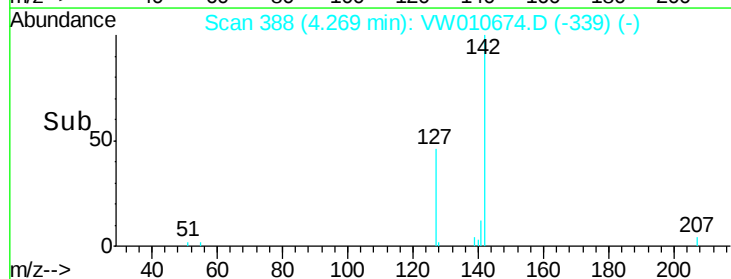
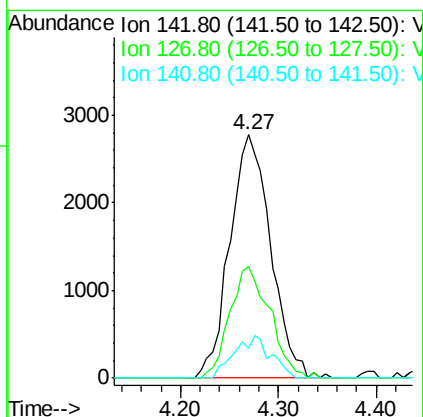
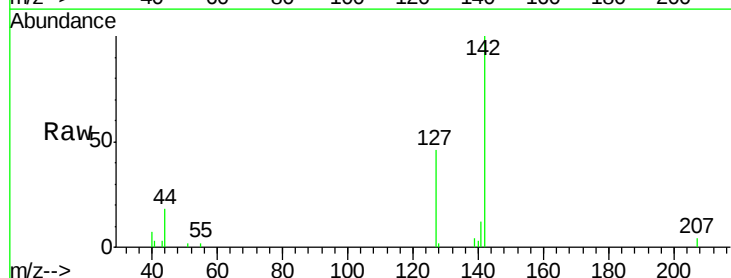
RT: 4.27 min Scan# 388

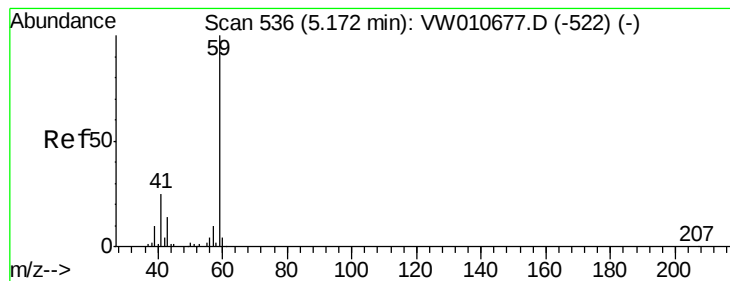
Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	142	Resp:	8083
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.6	51.8
141	15.6	11.6	17.4





#11

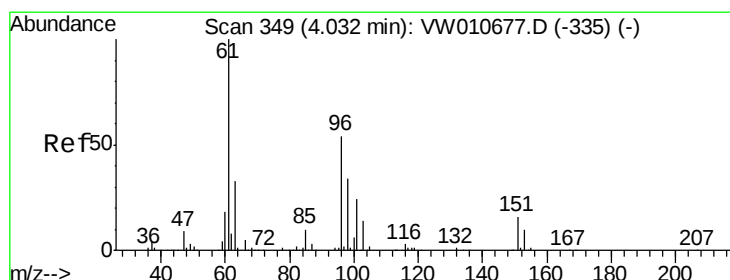
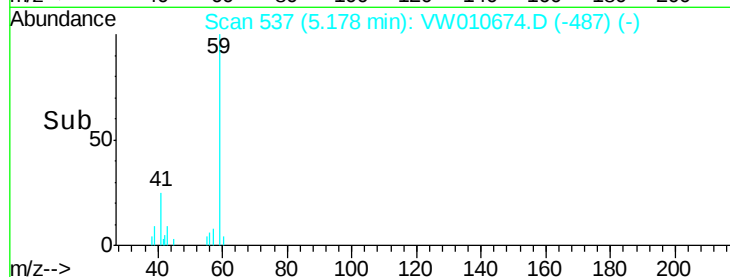
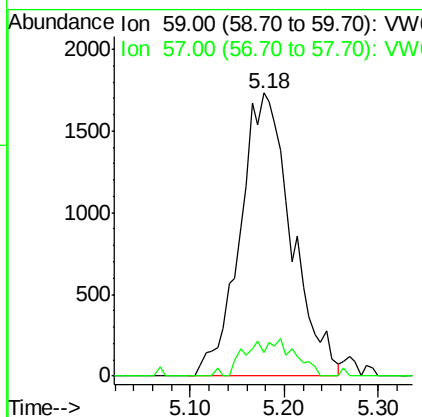
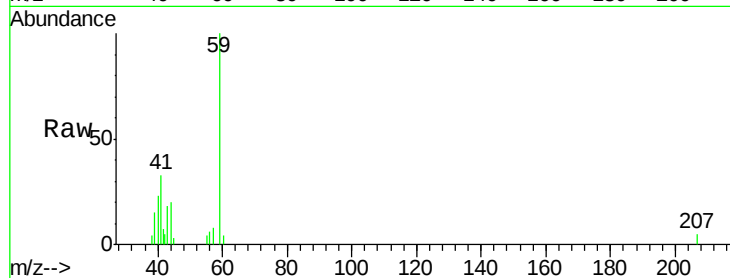
Tert butyl alcohol
Concen: 24.176 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
59	100	6607		
57	5.1		8.6	12.8#

Manual Integrations
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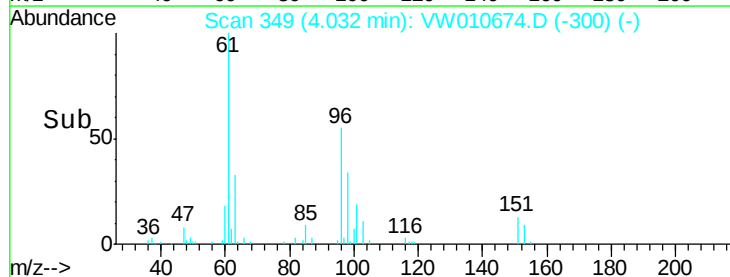
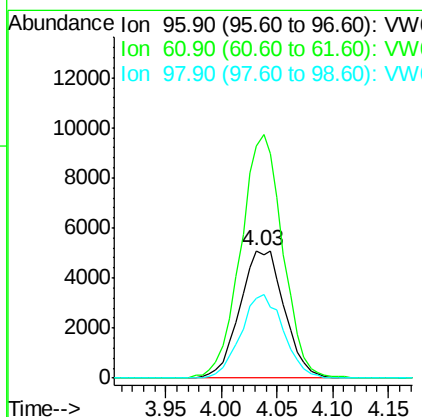
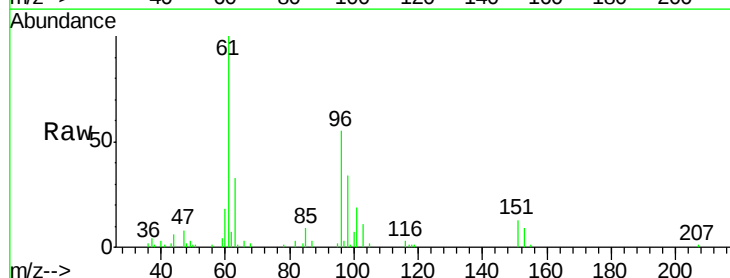
MMDadoda
6/5/2019 3:04:50 PM

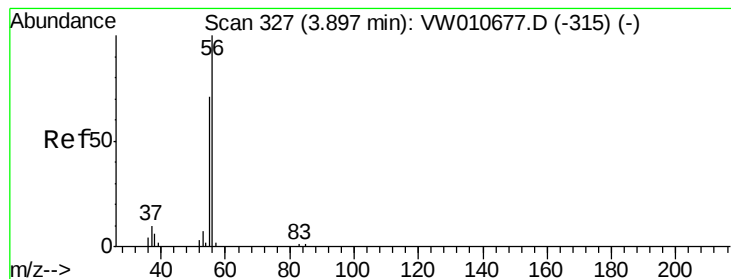


#12

1,1-Dichloroethene
Concen: 5.129 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	14116		
61	182.8		149.1	223.7
98	62.7		51.1	76.7





#13

Acrolein

Concen: 26.443 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2953

Ion Ratio Lower Upper

56 100

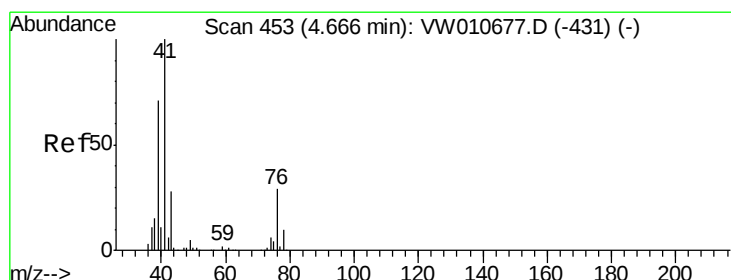
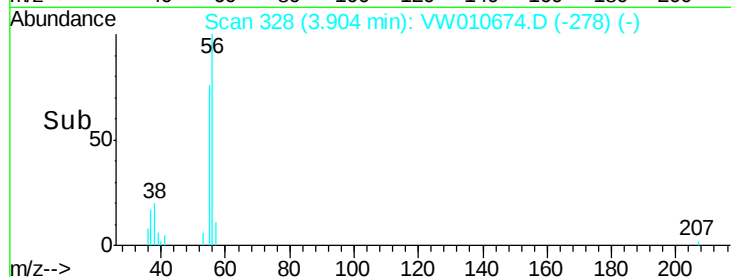
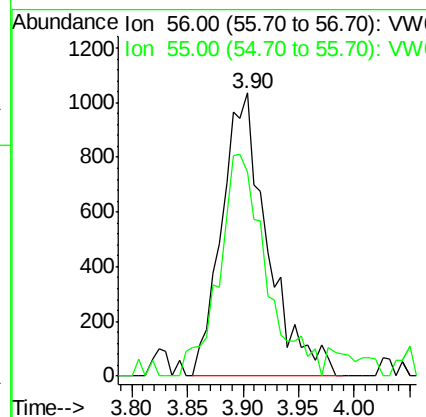
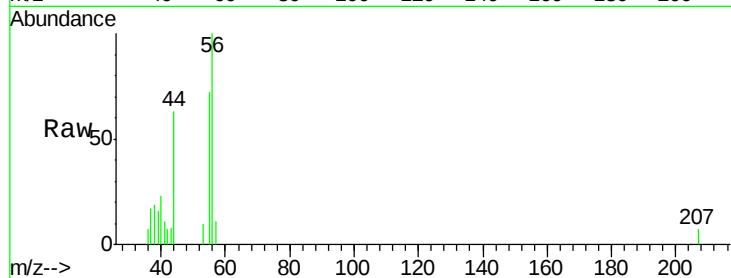
55 80.6 57.6 86.4

Manual Integrations

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#14

Allyl chloride

Concen: 4.761 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

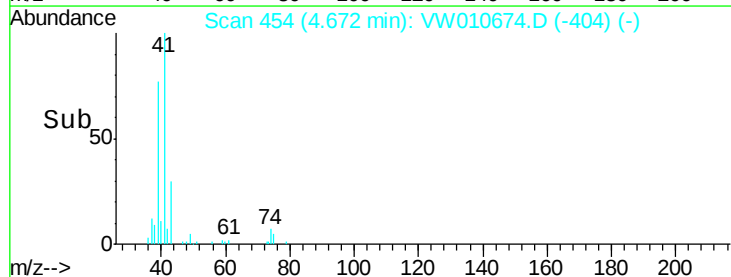
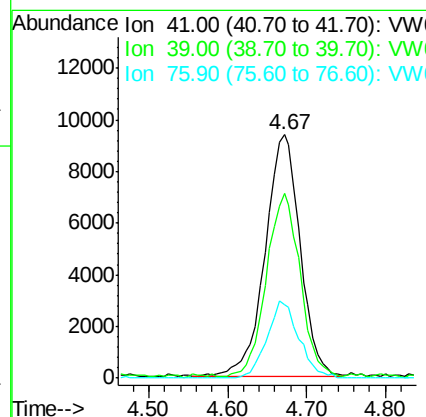
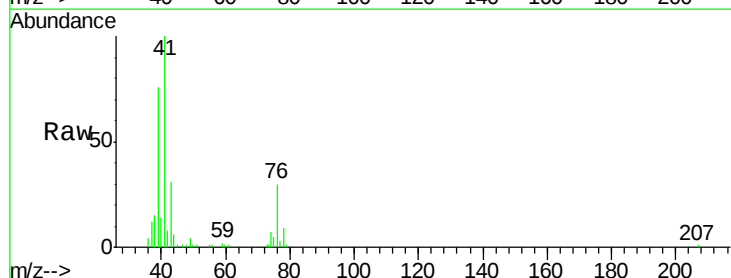
Tgt Ion: 41 Resp: 28894

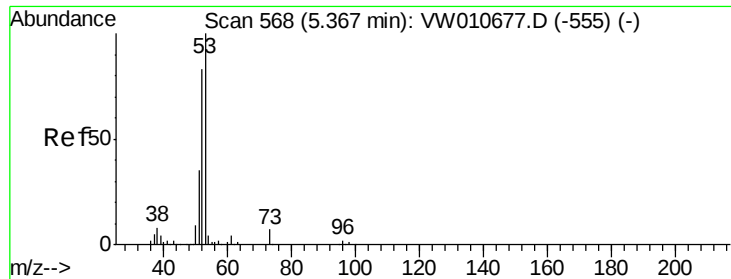
Ion Ratio Lower Upper

41 100

39 73.1 55.8 83.6

76 29.0 22.7 34.1





#15

Acrylonitrile

Concen: 23.560 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

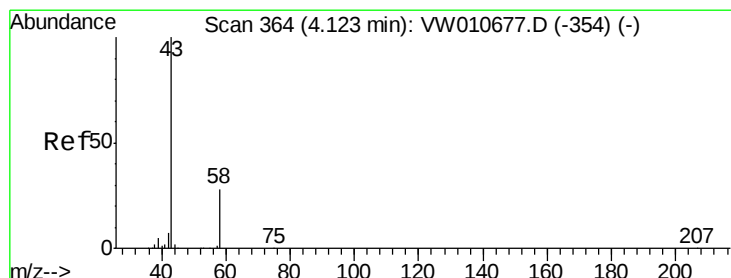
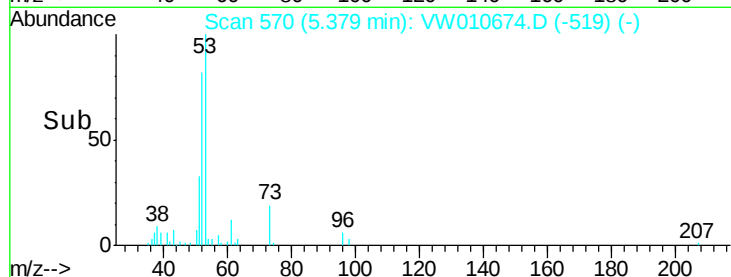
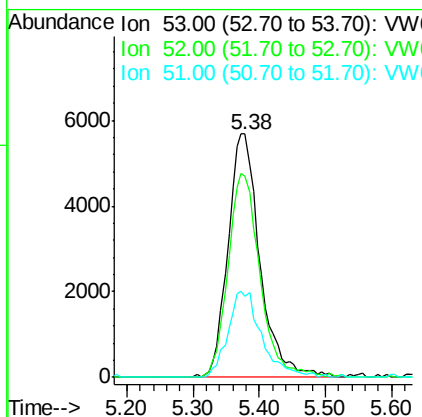
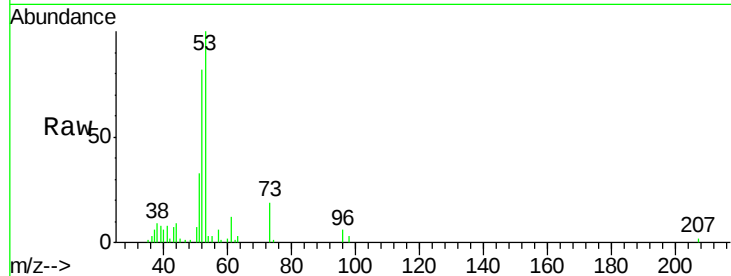
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	18983
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.5	29.8	44.8

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#16

Acetone

Concen: 23.290 ug/l

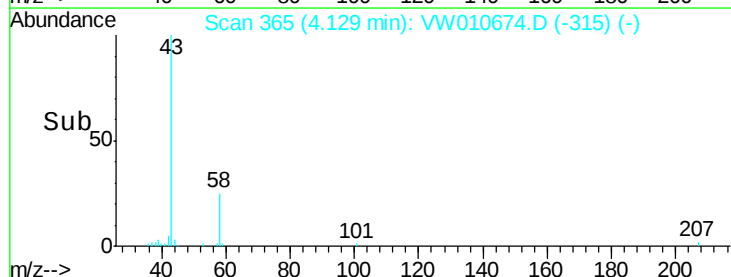
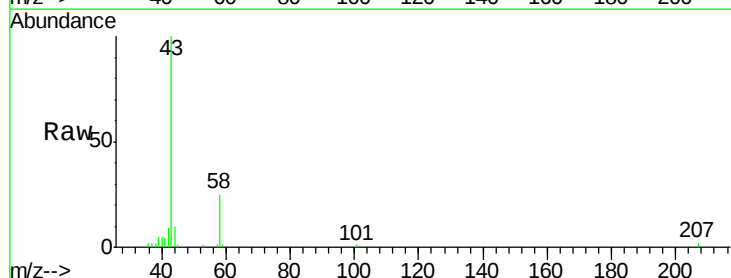
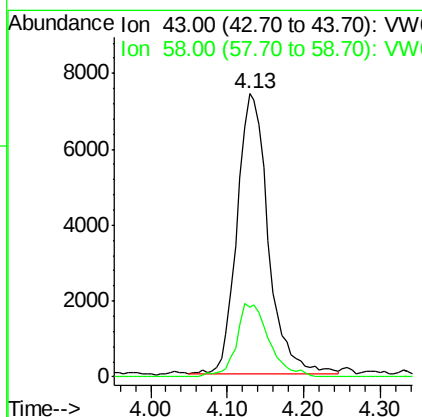
RT: 4.13 min Scan# 365

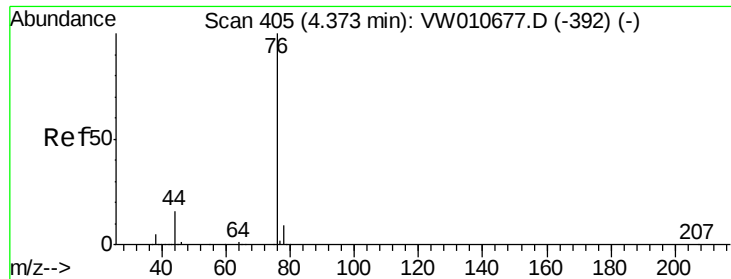
Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	43	Resp:	20934
Ion	Ratio	Lower	Upper
43	100		
58	24.9	22.1	33.1





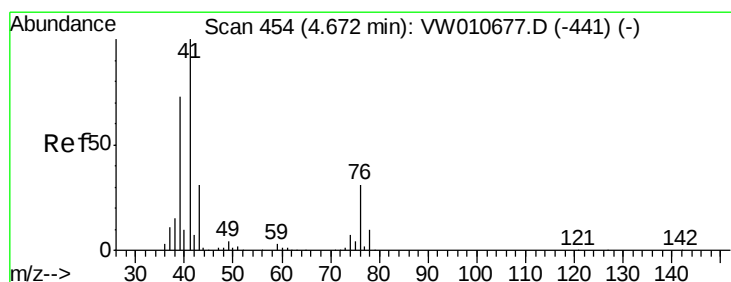
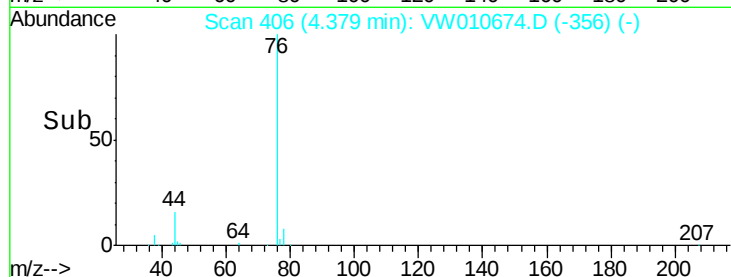
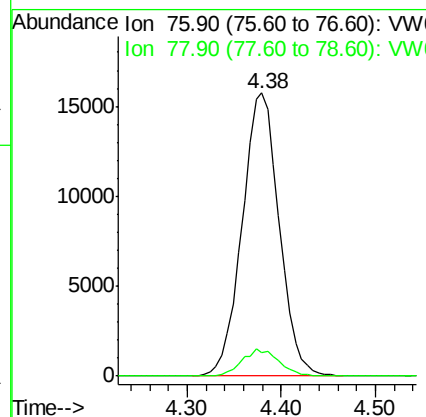
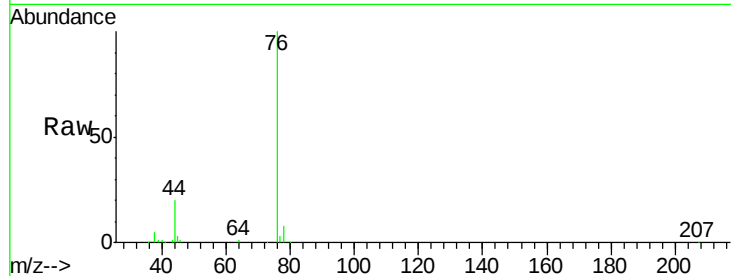
#17
Carbon Disulfide
Concen: 4.947 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.5	11.3

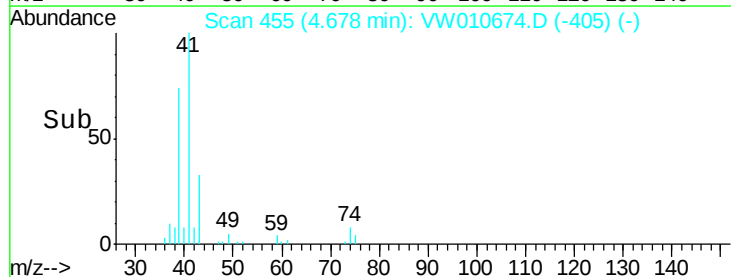
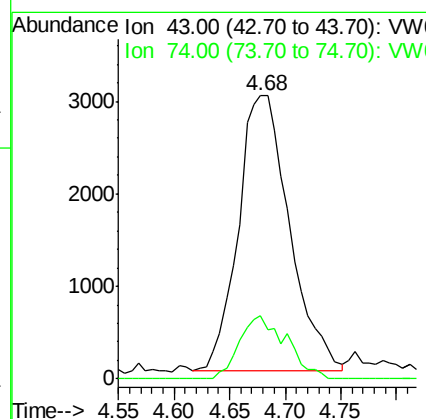
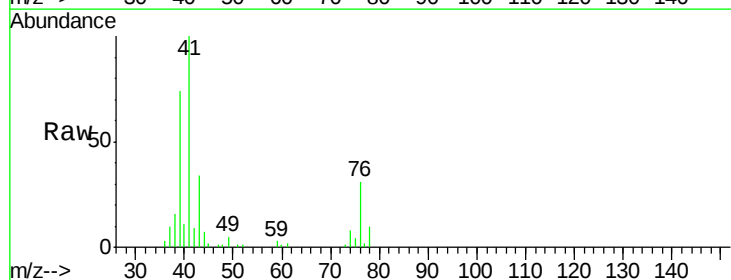
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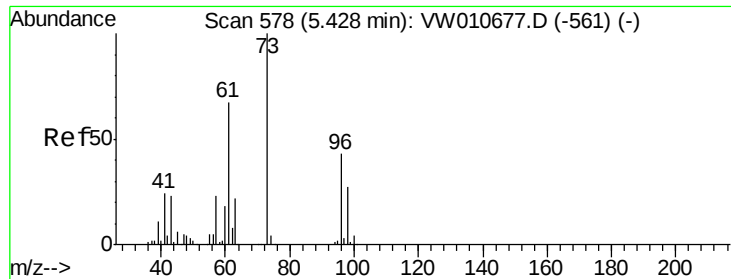
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#18
Methyl Acetate
Concen: 4.943 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	16.7	25.1





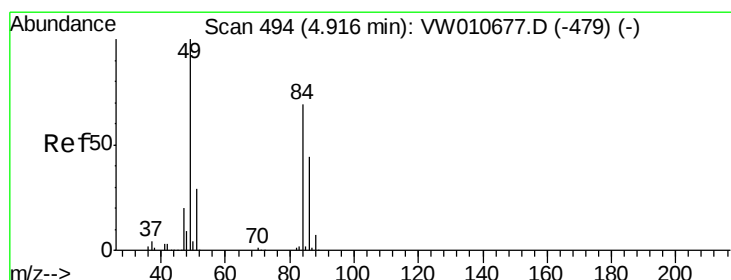
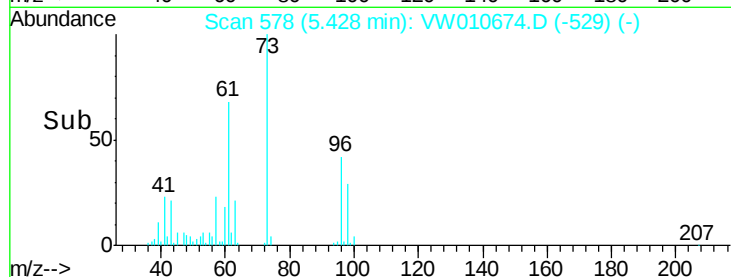
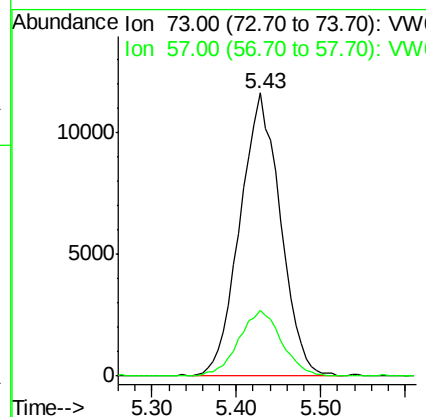
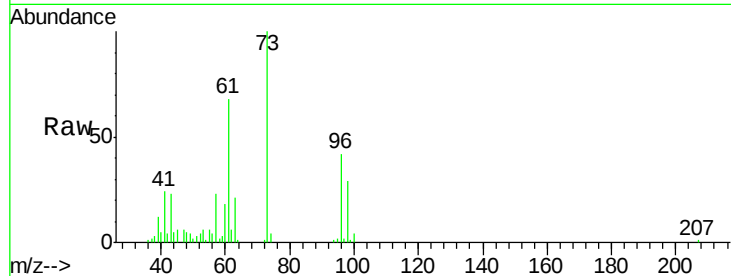
#19
Methvl tert-butvl Ether
Concen: 4.780 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 37948
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

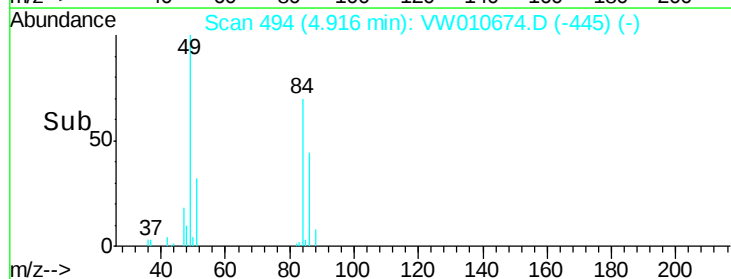
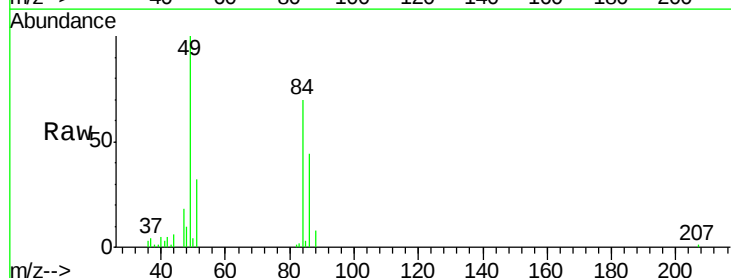
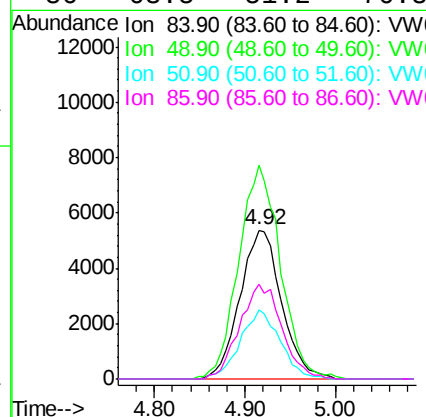
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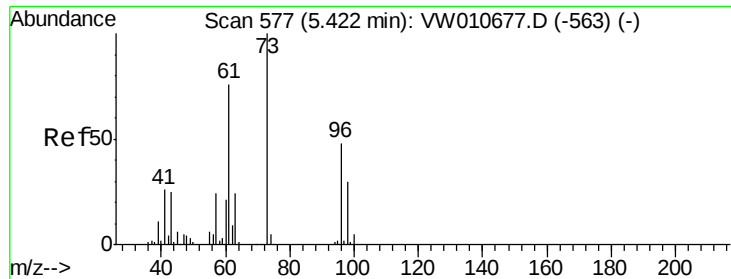
MMDadoda
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#20
Methylene Chloride
Concen: 5.414 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion: 84 Resp: 17072
Ion Ratio Lower Upper
84 100
49 143.7 116.7 175.1
51 46.6 34.2 51.2
86 63.5 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 4.924 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

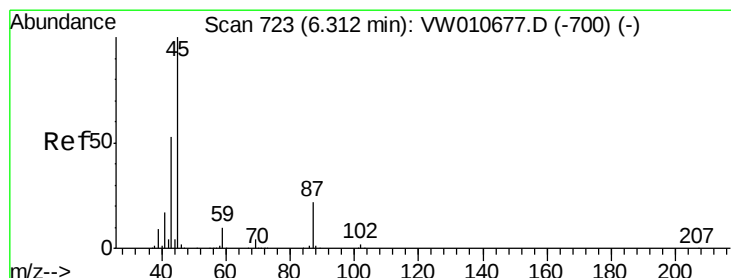
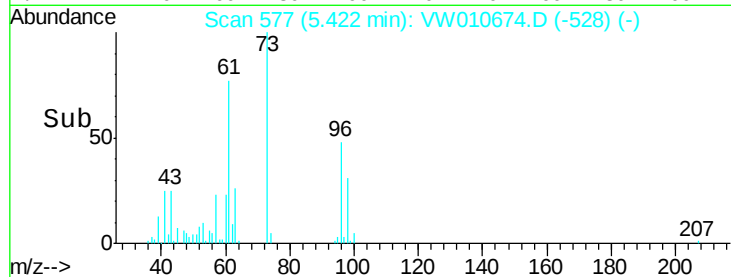
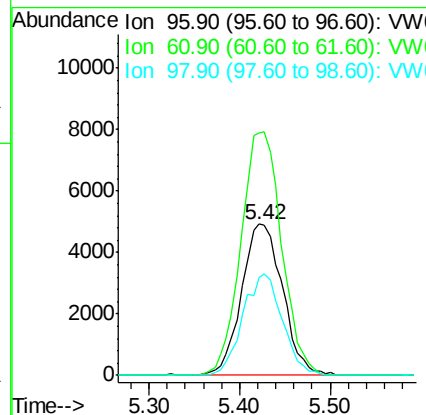
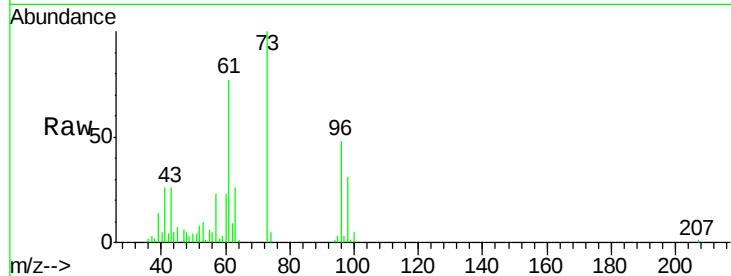
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	15385
Ion	Ratio	Lower	Upper
96	100		
61	160.5	126.0	189.0
98	64.5	49.6	74.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.849 ug/l

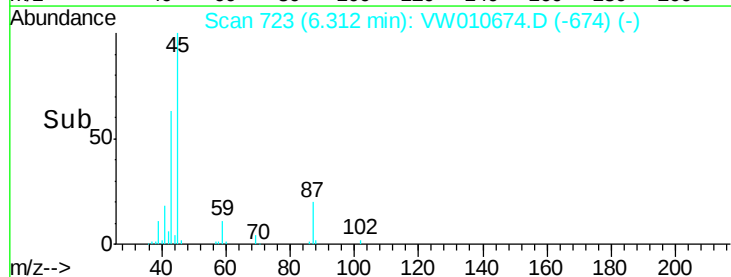
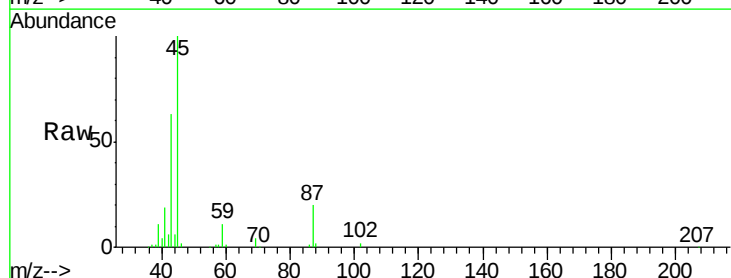
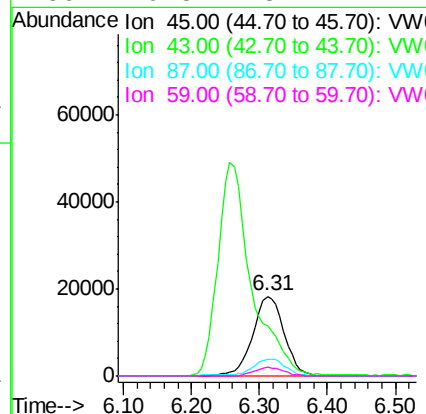
RT: 6.31 min Scan# 723

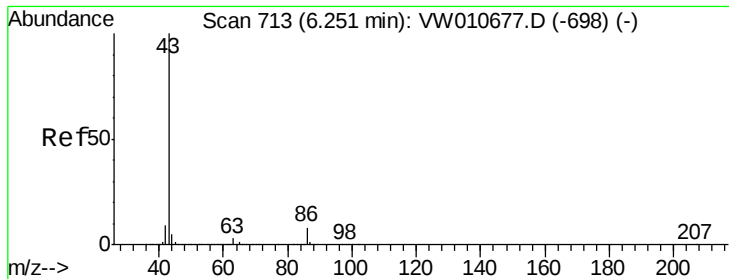
Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	45	Resp:	58916
Ion	Ratio	Lower	Upper
45	100		
43	62.0	42.5	63.7
87	20.5	17.4	26.2
59	10.8	8.1	12.1





#23

Vinyl Acetate

Concen: 22.962 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 168366

Ion Ratio Lower Upper

43 100

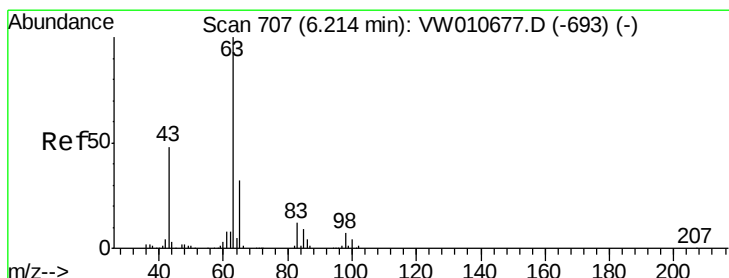
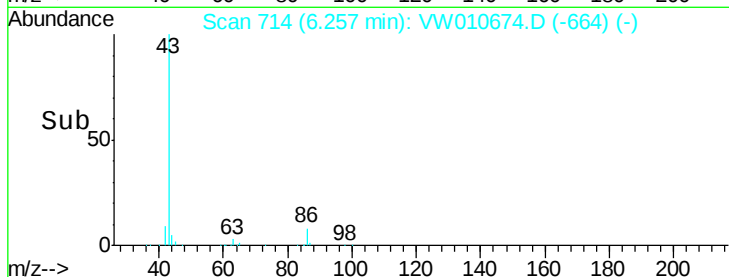
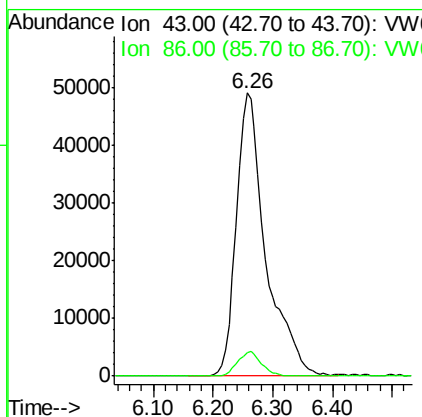
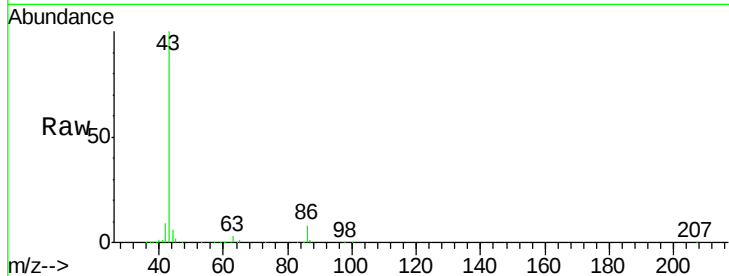
86 8.2 6.6 10.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 4.852 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

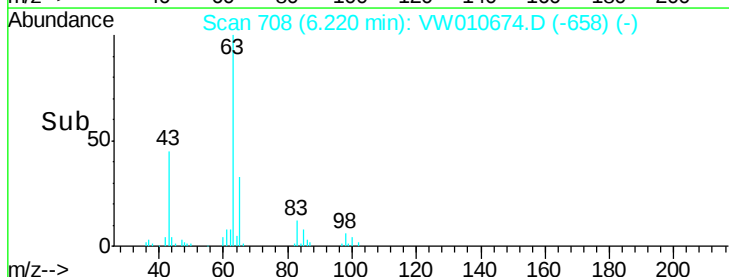
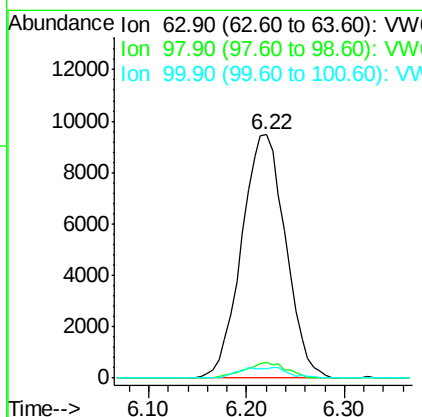
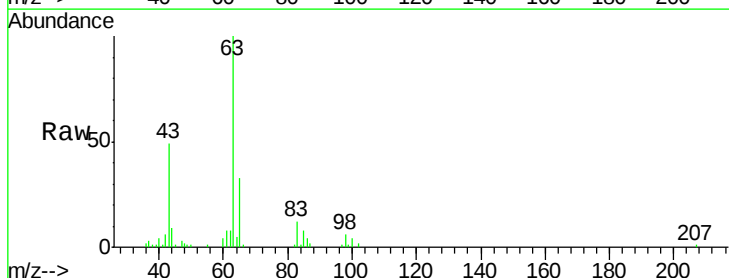
Tgt Ion: 63 Resp: 29545

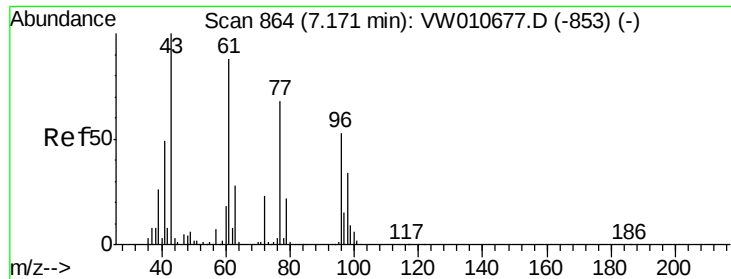
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 22.464 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 27999

Ion Ratio Lower Upper

43 100

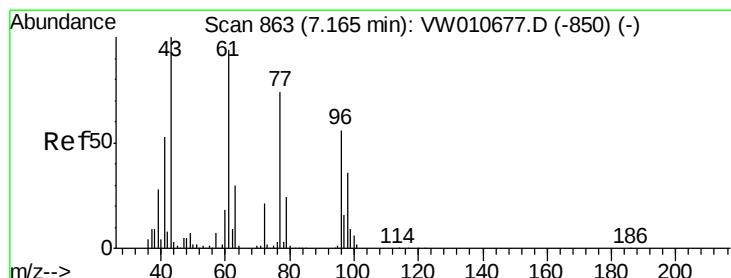
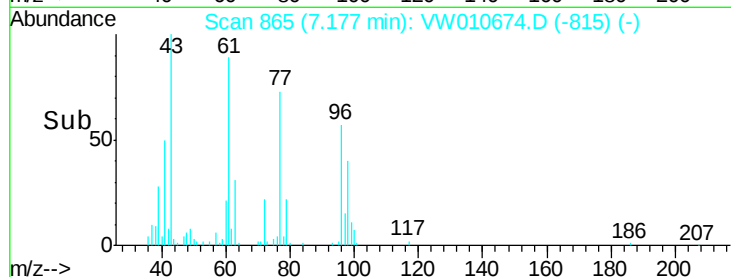
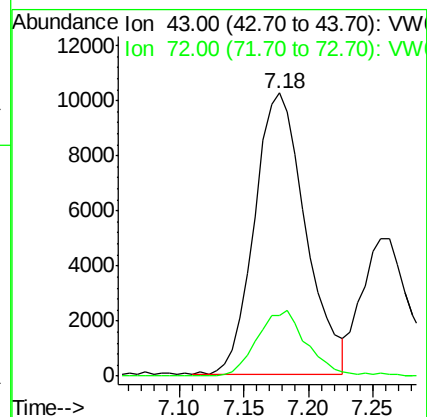
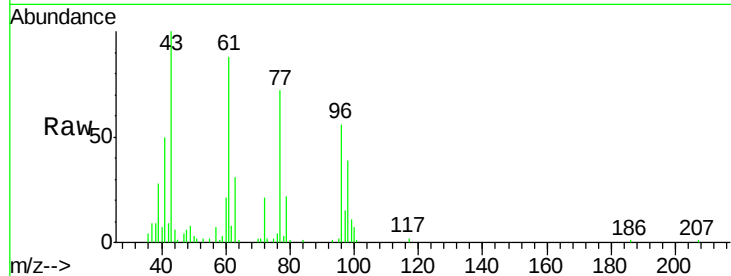
72 21.6 18.1 27.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.966 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW010674.D

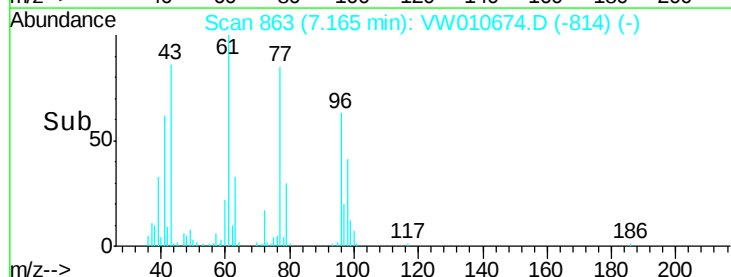
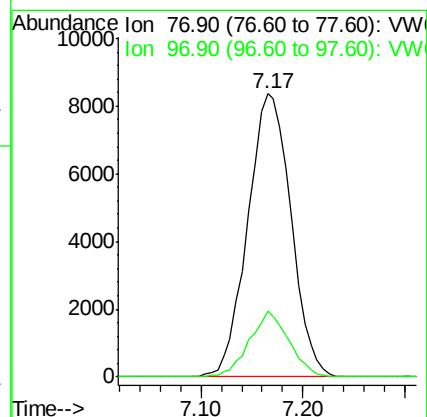
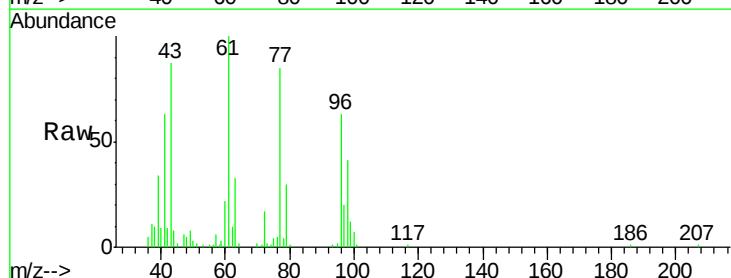
Acq: 04 Jun 2019 14:21

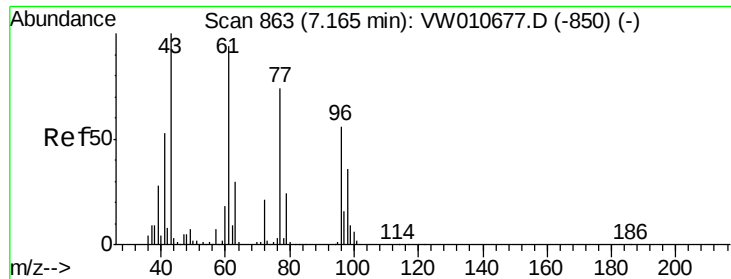
Tgt Ion: 77 Resp: 24603

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

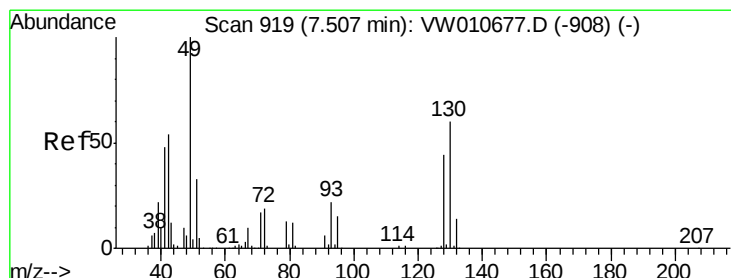
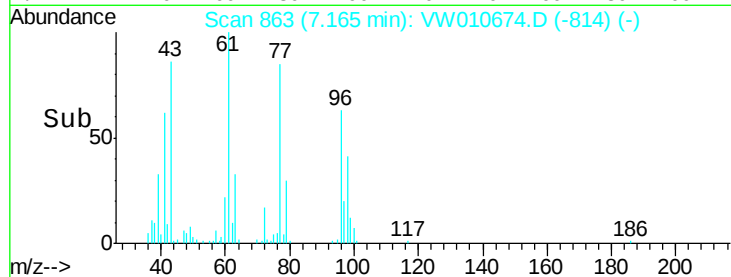
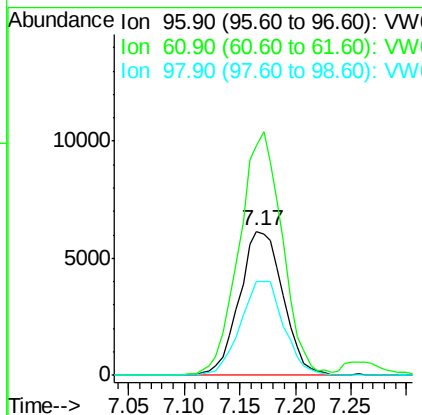
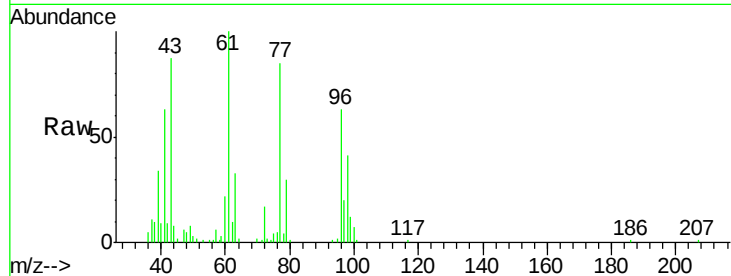
cis-1,2-Dichloroethene
Concen: 4.859 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.7	0.0	336.4
98	65.2	0.0	128.0

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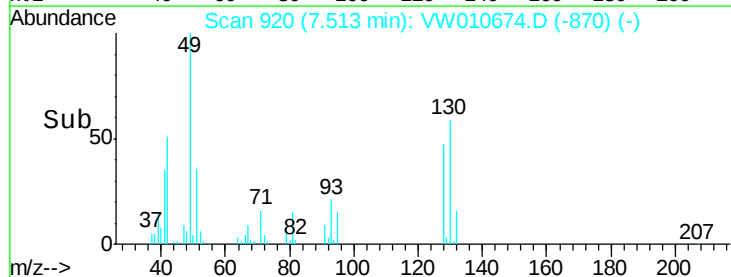
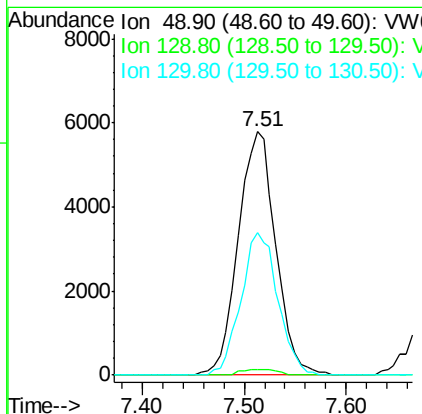
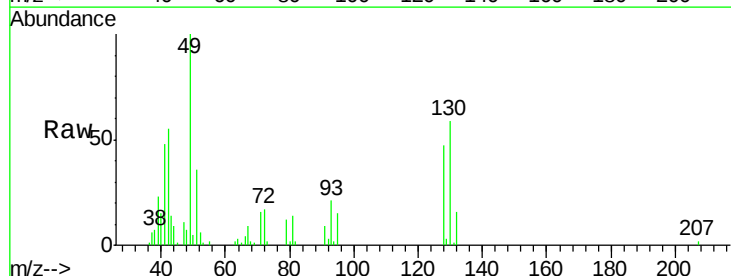
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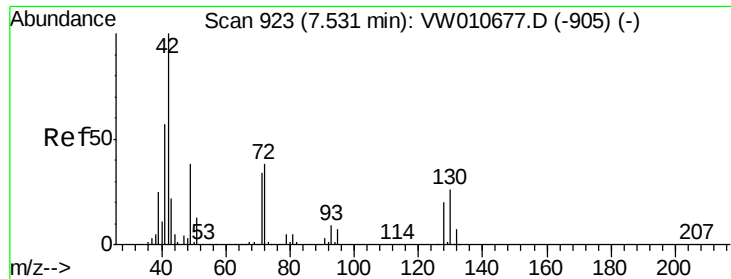


#28

Bromochloromethane
Concen: 5.419 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.2
130	57.8	48.3	72.5





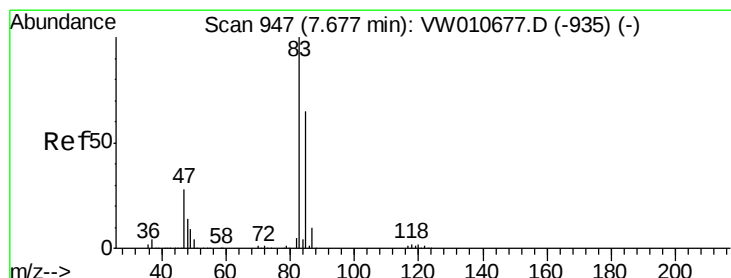
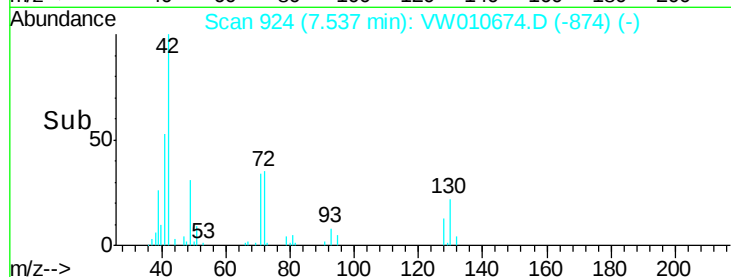
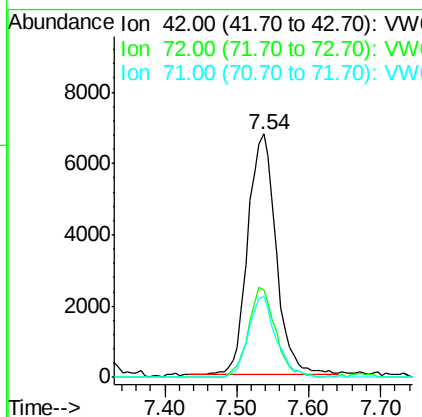
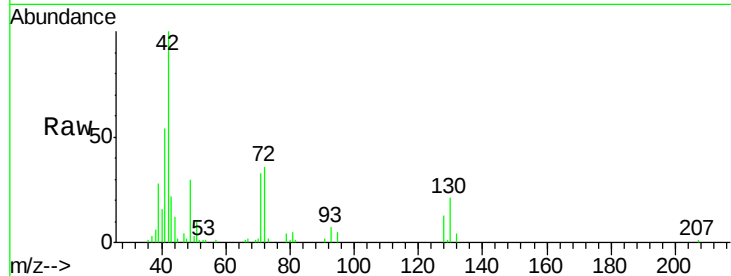
#29
Tetrahydrofuran
Concen: 23.745 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	18615
Ion	Ratio	Lower	Upper
42	100		
72	35.5	28.7	43.1
71	32.7	26.6	39.8

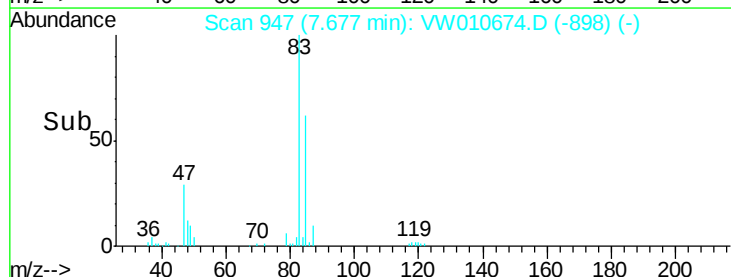
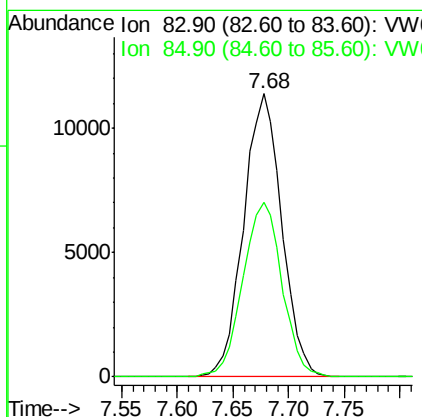
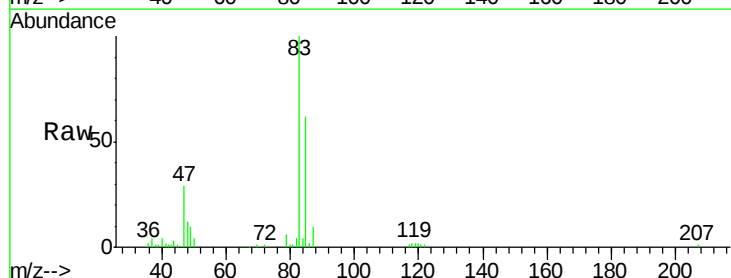
Manual Integrations
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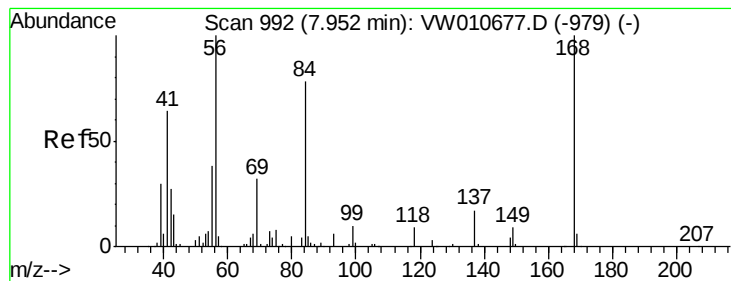
MMDadoda
6/5/2019 3:04:50 PM



#30
Chloroform
Concen: 4.872 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion:	83	Resp:	27135
Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.8	77.8





#31

Cyclohexane

Concen: 5.781 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

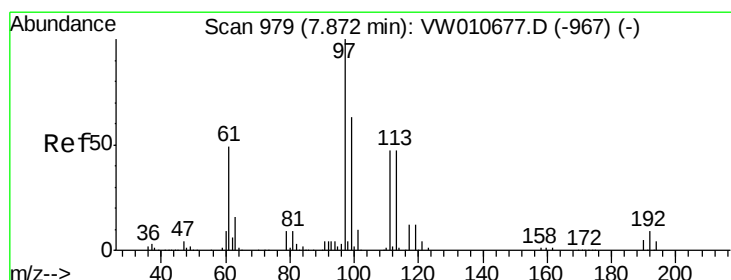
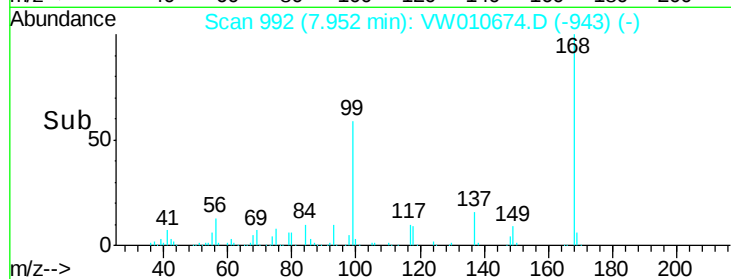
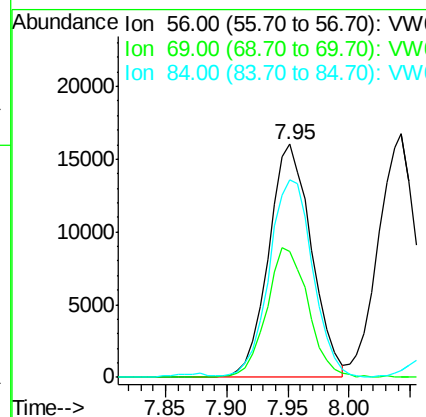
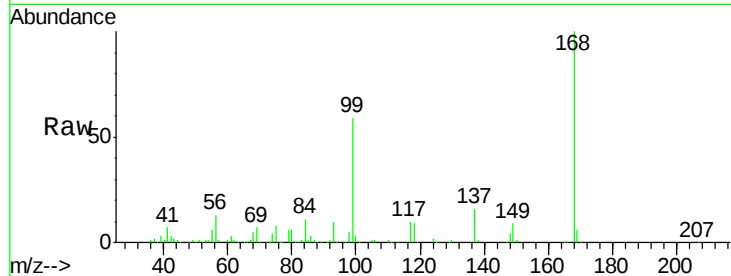
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	39125
Ion Ratio	Lower	Upper	
56	100		
69	53.8	25.2	37.8#
84	83.6	62.2	93.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.919 ug/l

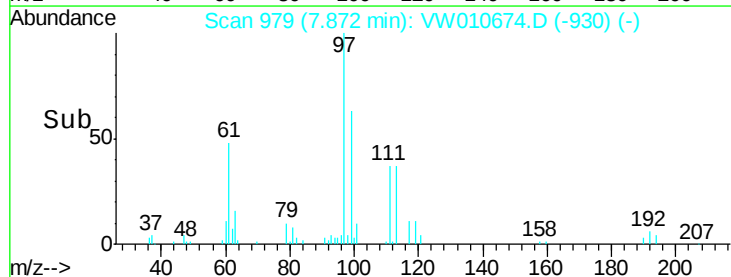
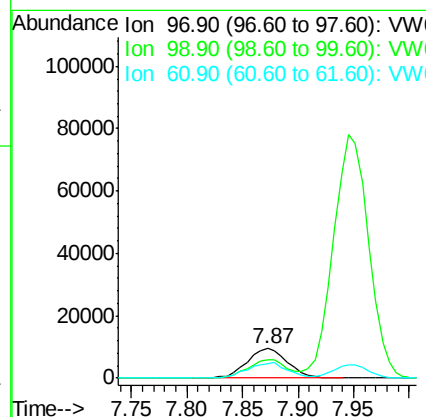
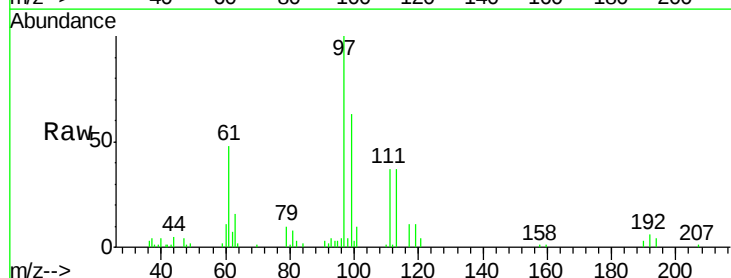
RT: 7.87 min Scan# 979

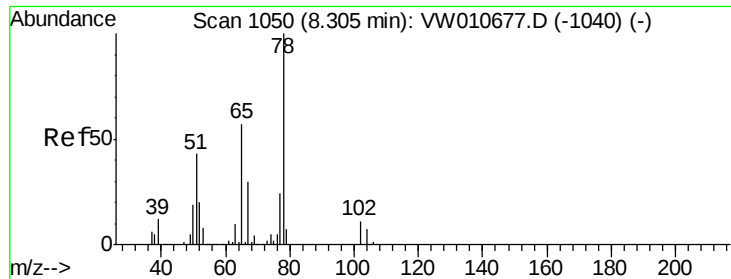
Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	97	Resp:	23930
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.3	76.9
61	51.8	40.4	60.6





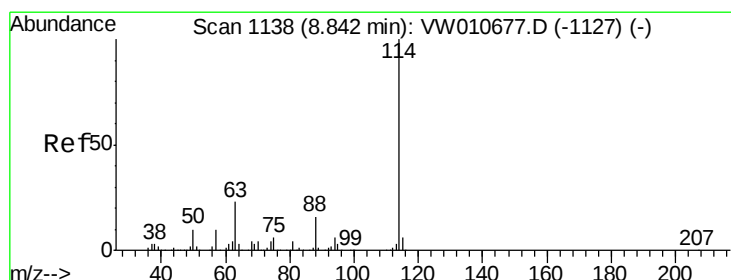
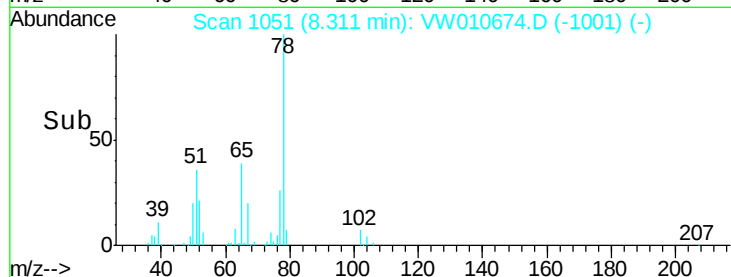
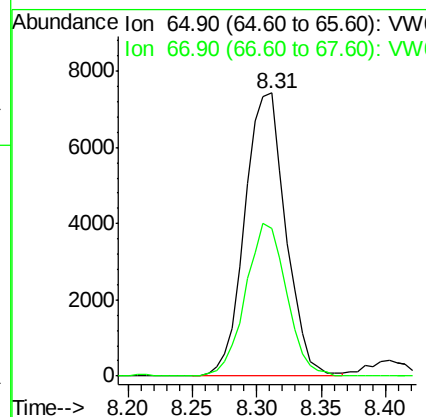
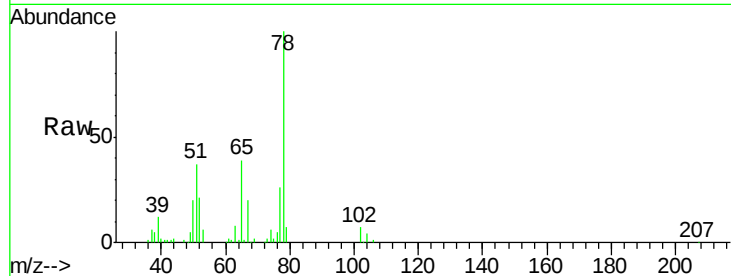
#33
 1,2-Dichloroethane-d4
 Concen: 4.868 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	16330		
67	53.9	0.0	102.6	

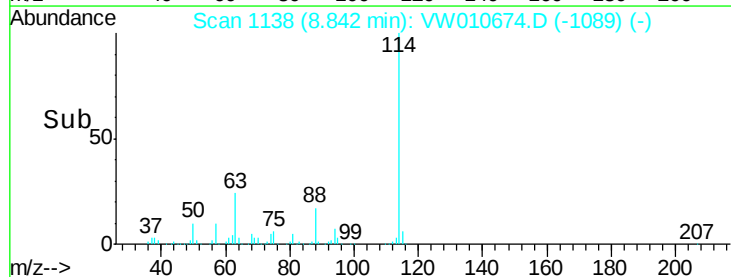
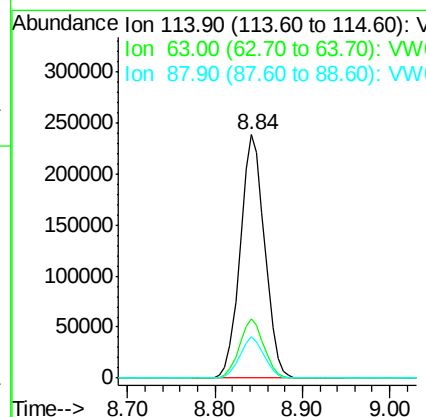
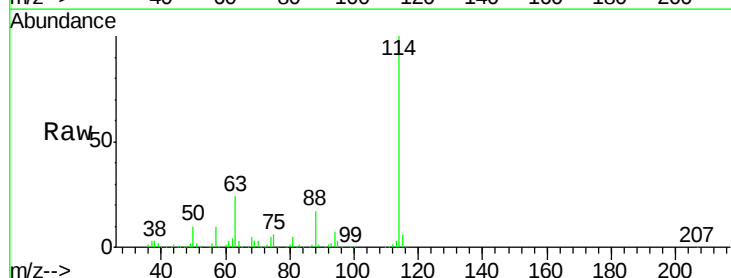
Manual Integrations
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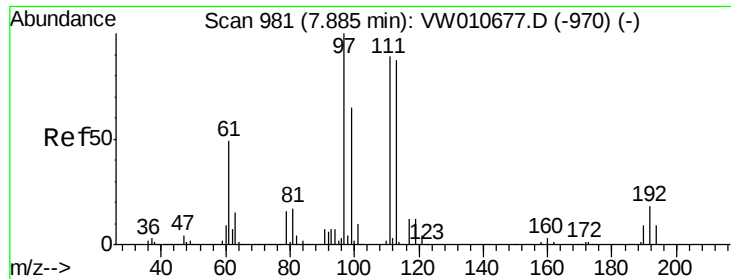
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	463247		
63	24.3	0.0	46.4	
88	16.9	0.0	32.2	





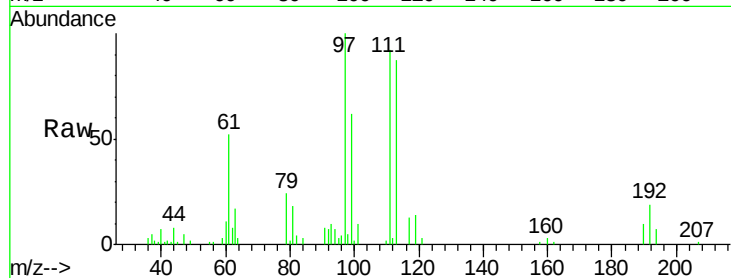
#35
 Dibromofluoromethane
 Concen: 4.292 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.6	123.8
192	21.5	16.4	24.6

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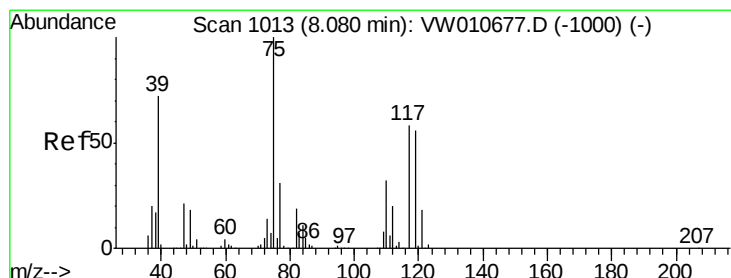
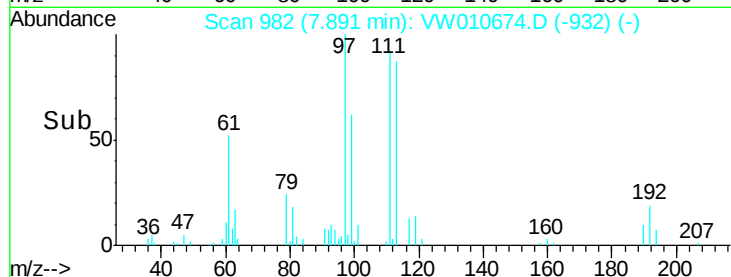
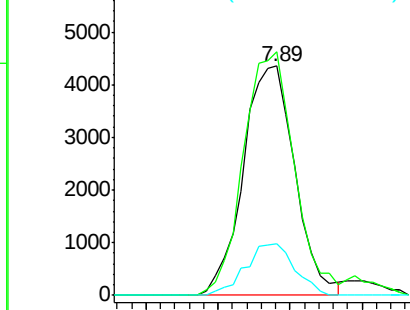


Abundance

Ion 112.80 (112.50 to 113.50): V

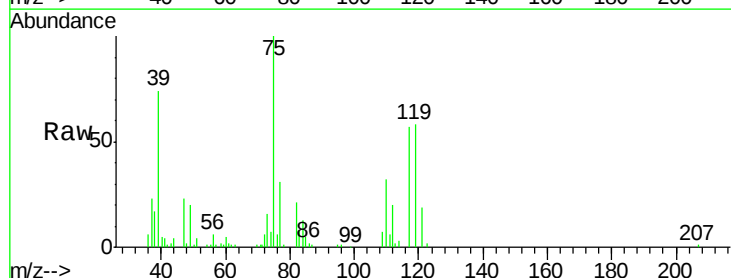
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.972 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	15.8	47.3
77	32.1	24.7	37.1

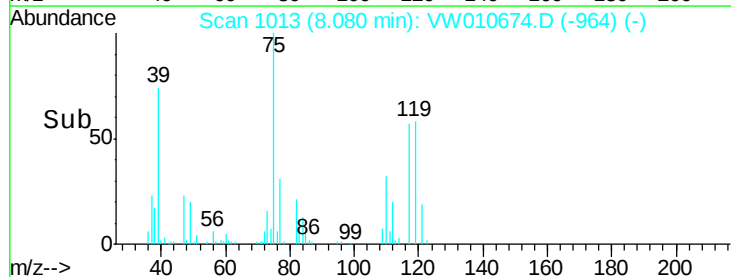
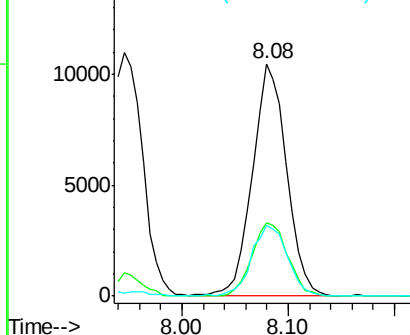


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





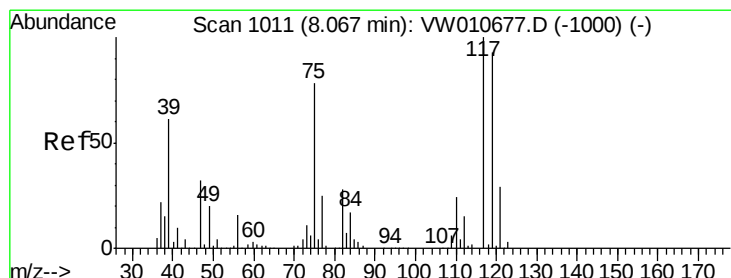
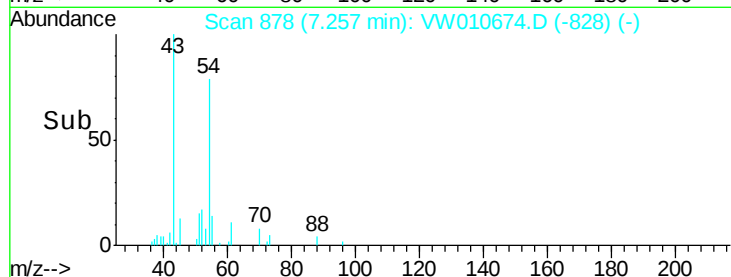
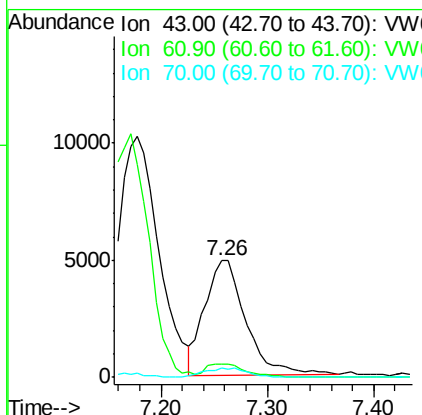
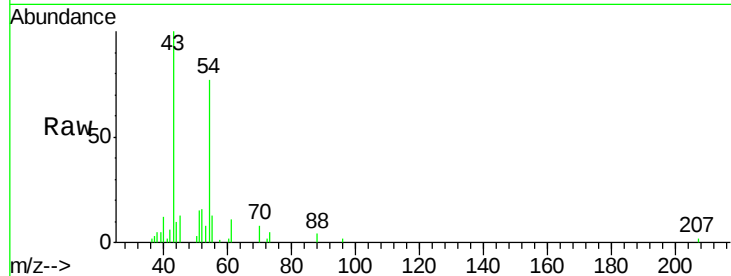
#37
Ethyl Acetate
Concen: 4.970 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	9.7	14.5
70	8.5	7.2	10.8

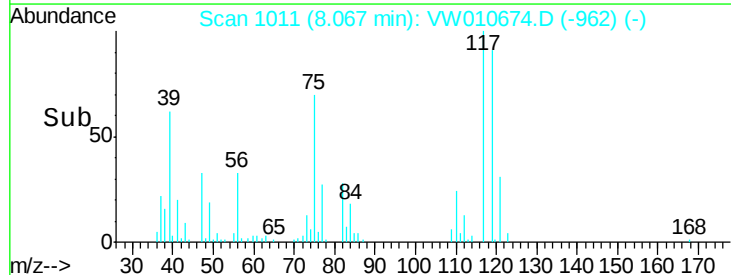
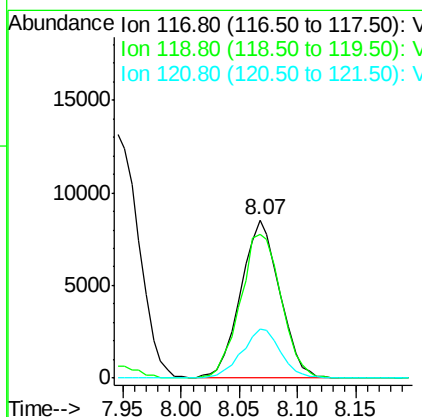
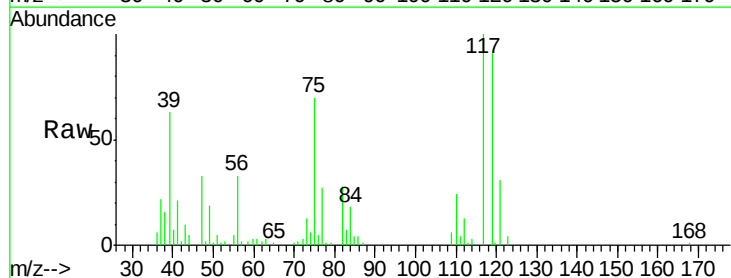
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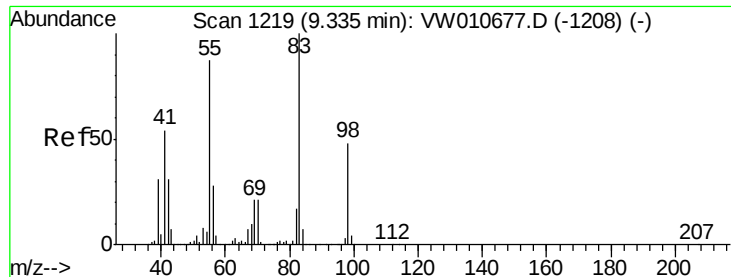
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#38
Carbon Tetrachloride
Concen: 4.844 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	74.2	111.4
121	30.8	22.9	34.3





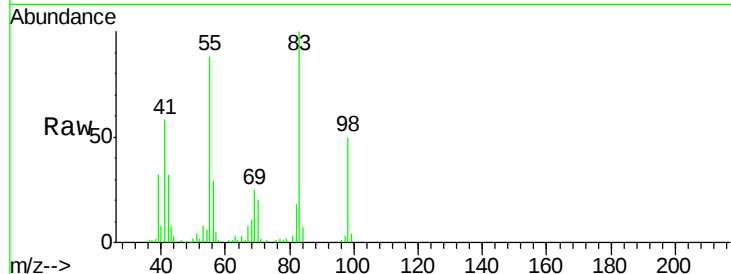
#39
Methvlcvclohexane
Concen: 4.908 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

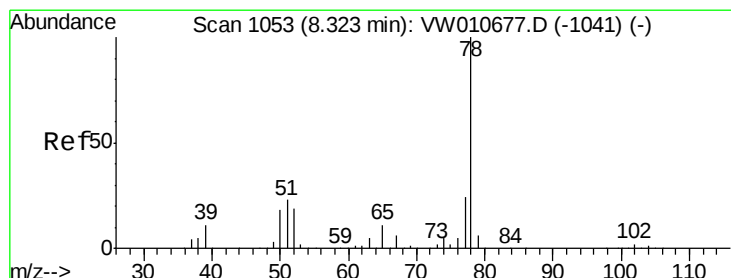
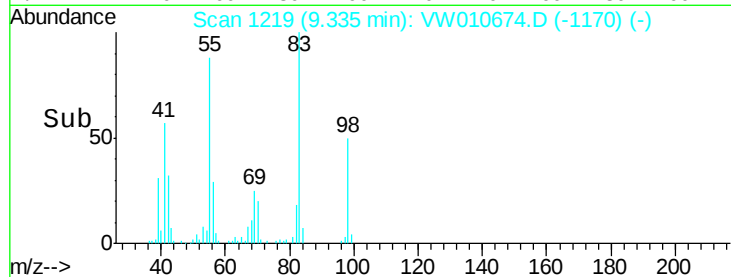
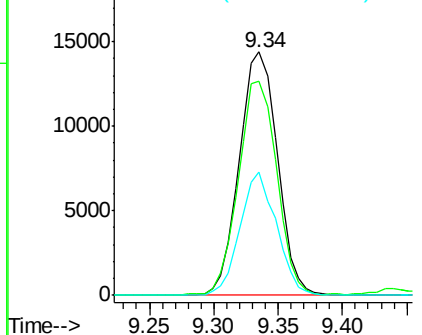
Tot Ion	Ratio	Lower	Upper
83	100		
55	87.5	70.0	105.0
98	50.5	38.1	57.1

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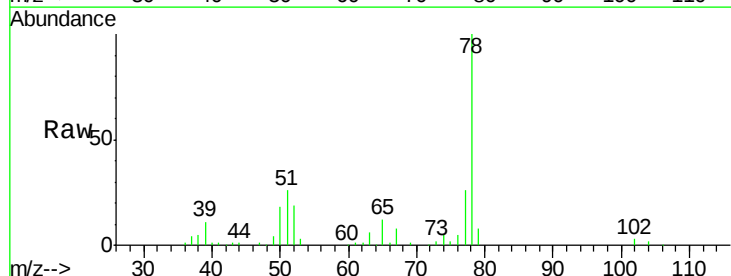


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

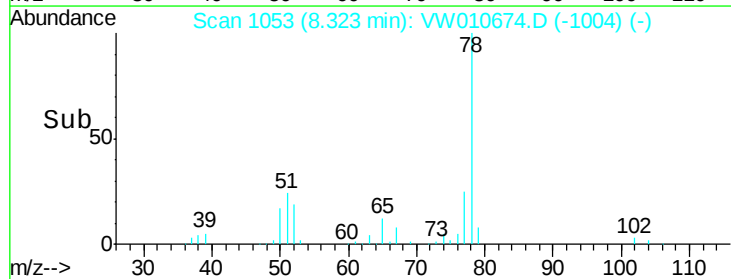
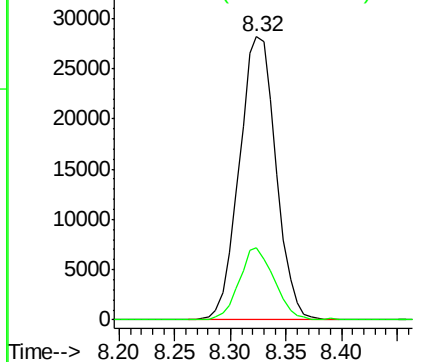


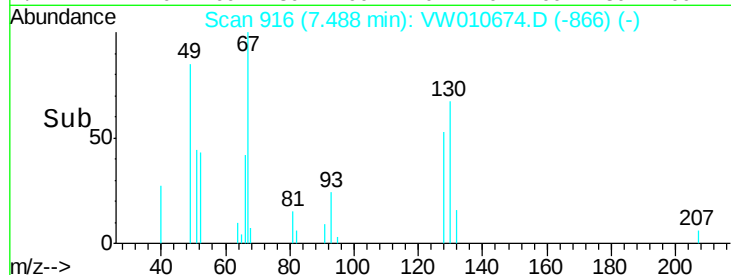
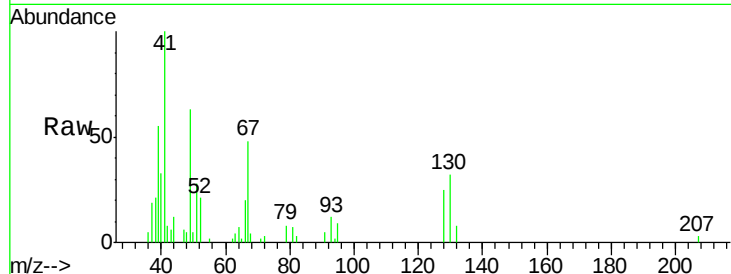
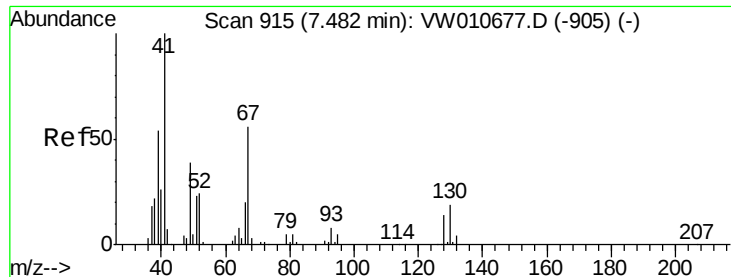
#40
Benzene
Concen: 4.978 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





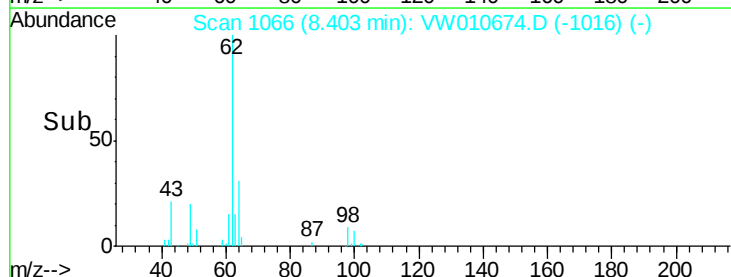
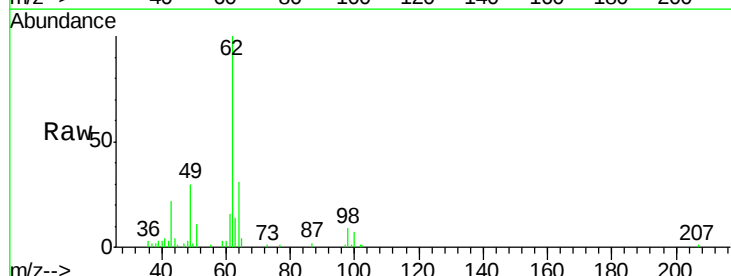
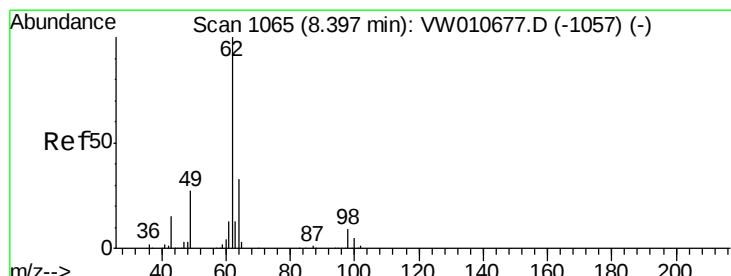
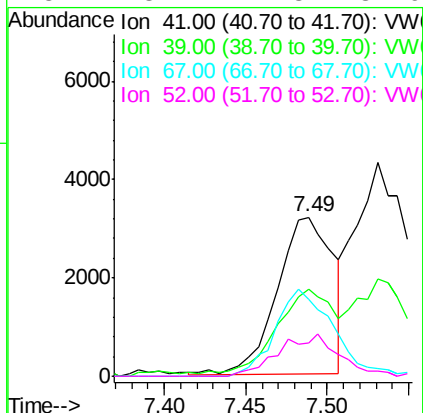
#41
Methacrylonitrile
Concen: 4.872 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tot Ion:	41	Resp:	7609
Ion	Ratio	Lower	Upper
41	100		
39	55.6	47.3	70.9
67	58.2	47.2	70.8
52	28.7	21.3	31.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

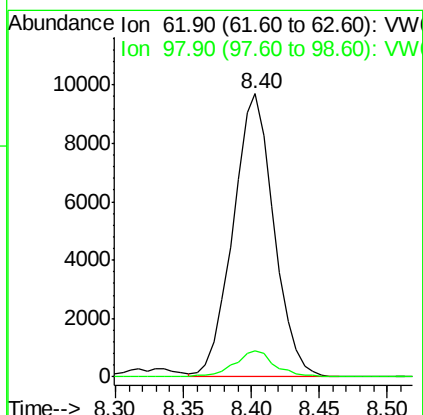
Manual Integrations
APPROVED

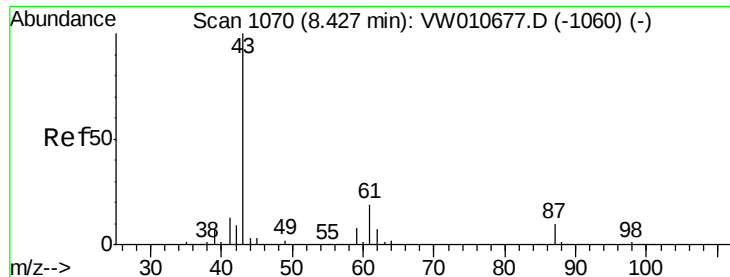
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6/5/2019 3:04:50 PM



#42
1,2-Dichloroethane
Concen: 4.941 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion:	62	Resp:	20286
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 4.656 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

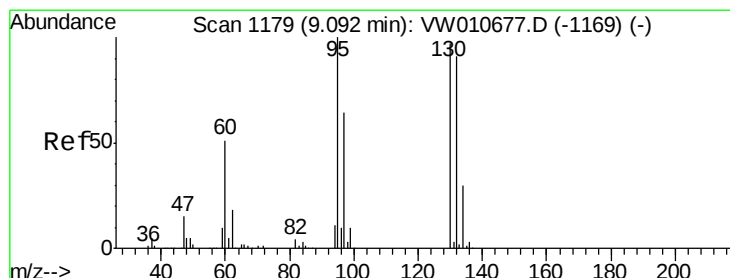
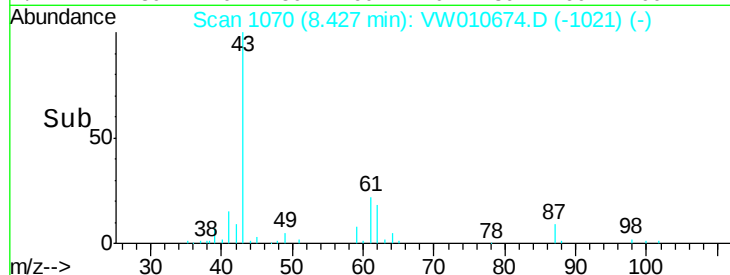
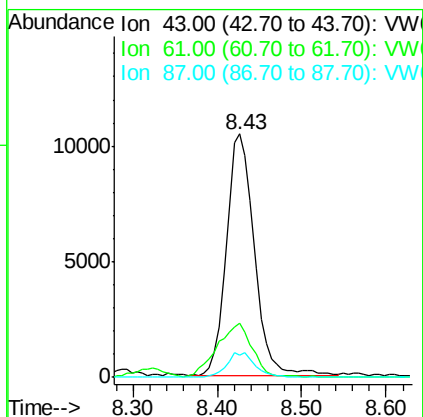
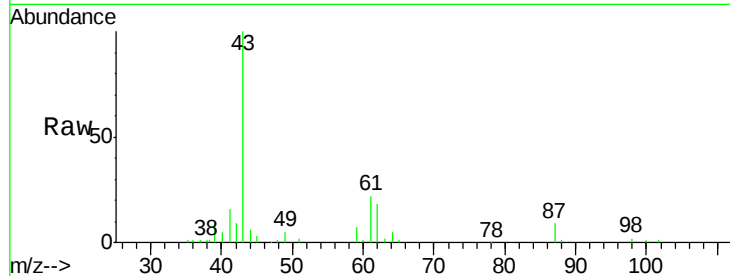
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	23638
Ion	Ratio	Lower	Upper
43	100		
61	28.2	21.2	31.8
87	10.1	8.3	12.5

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#44

Trichloroethene

Concen: 4.937 ug/l

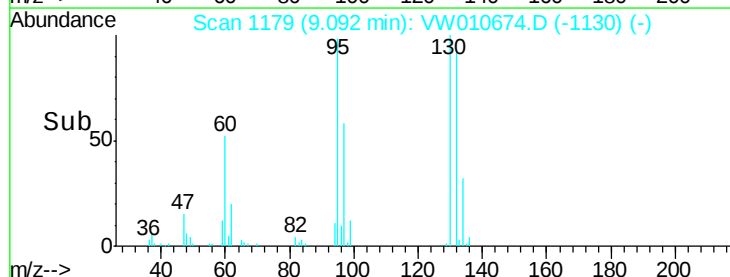
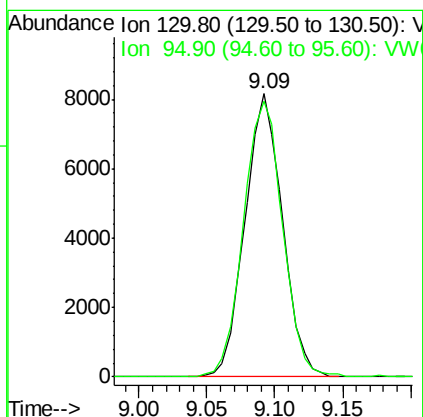
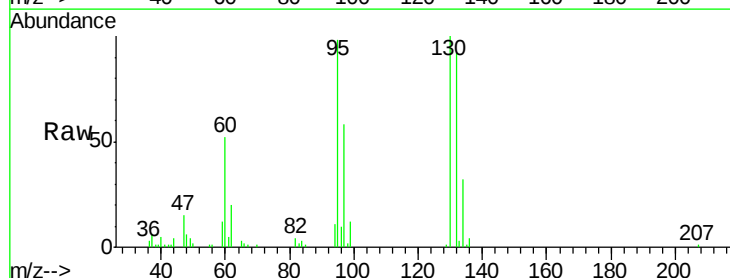
RT: 9.09 min Scan# 1179

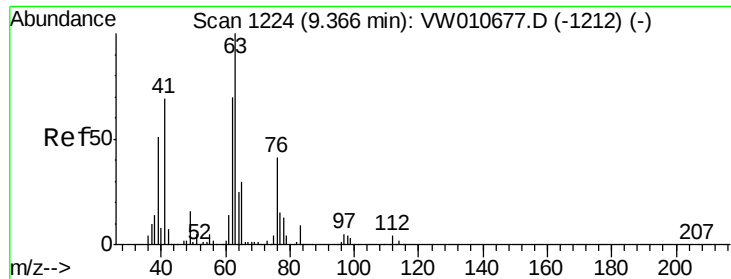
Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	130	Resp:	15753
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	207.0





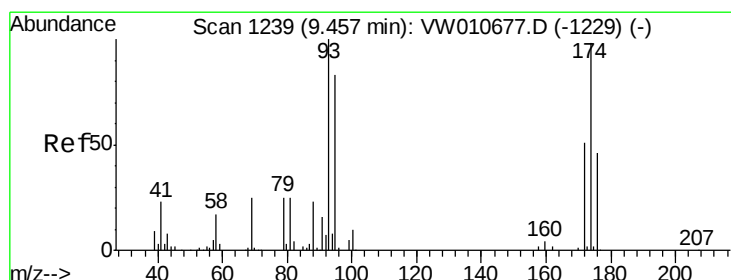
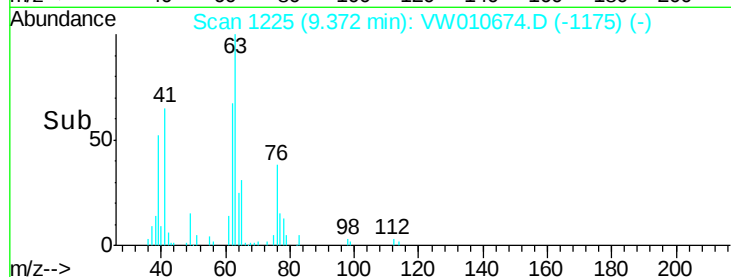
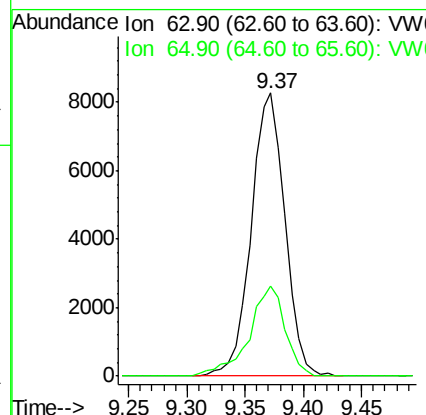
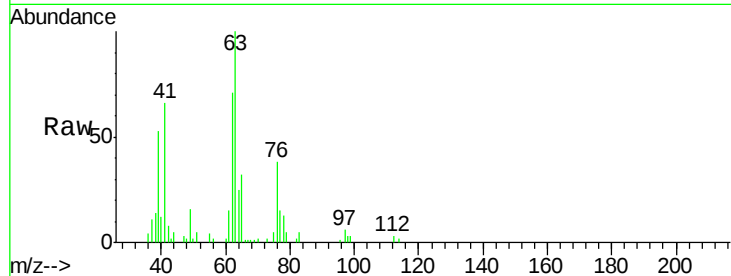
#45
 1,2-Dichloropropane
 Concen: 4.891 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 16749
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.8 35.6

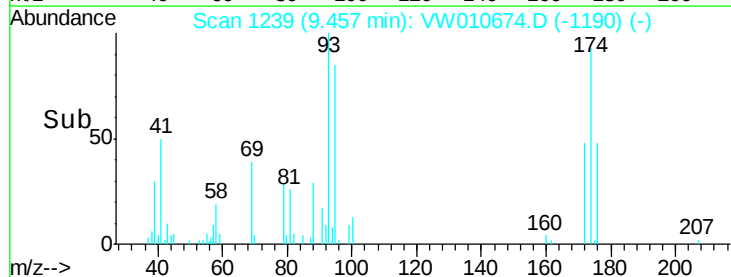
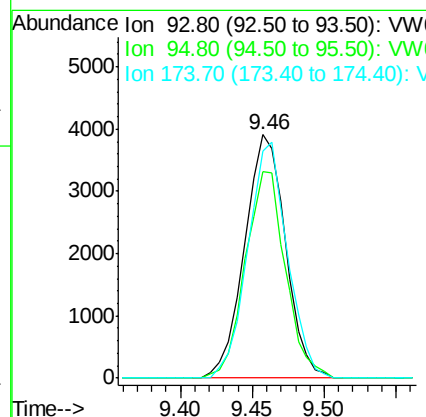
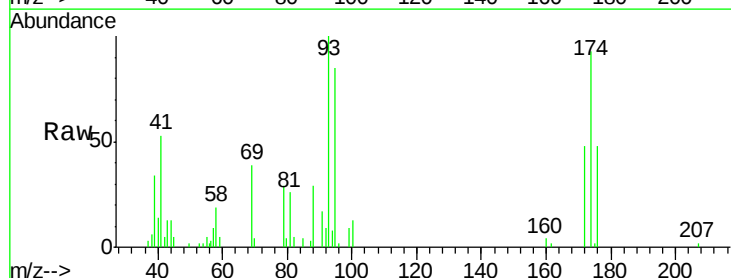
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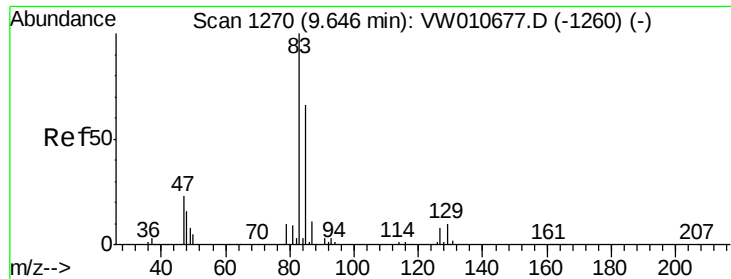
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#46
 Dibromomethane
 Concen: 4.834 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion: 93 Resp: 7688
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.8
 174 93.5 77.4 116.0





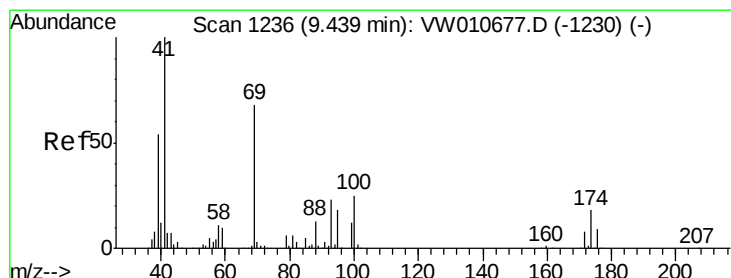
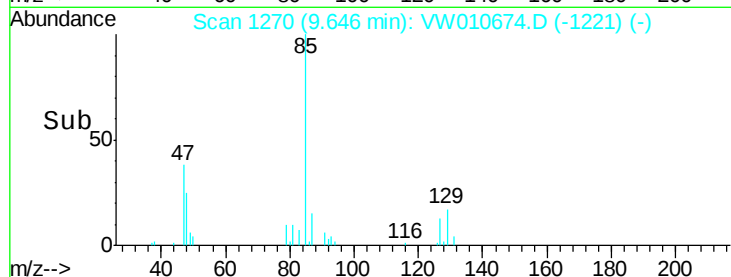
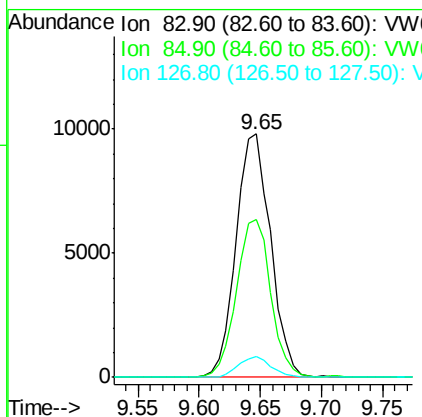
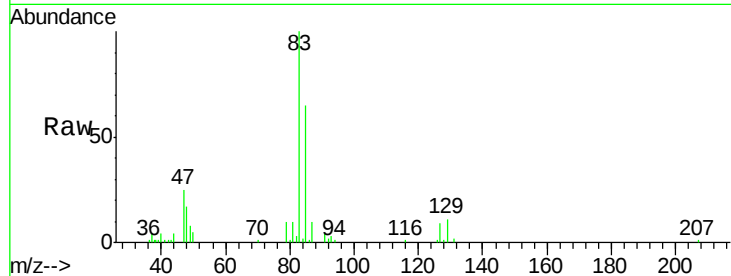
#47
Bromodichloromethane
Concen: 4.661 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	19218		
85	64.8	53.0	79.4	
127	8.5	6.4	9.6	

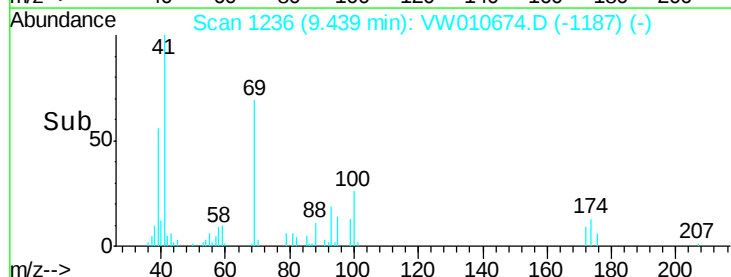
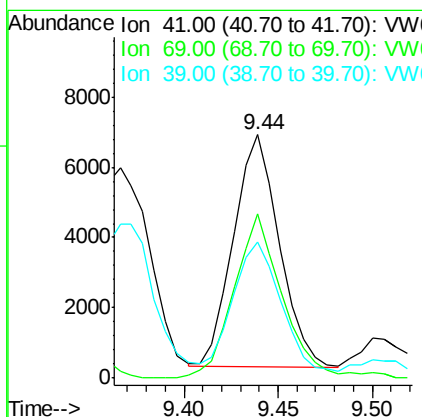
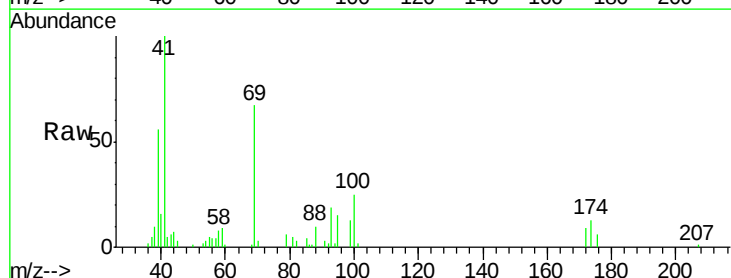
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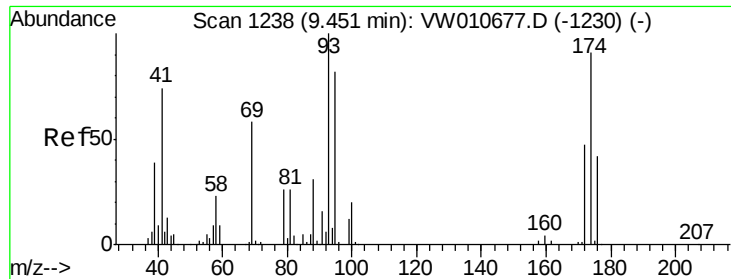
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#48
Methyl methacrylate
Concen: 4.562 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	11167		
69	74.0	56.6	85.0	
39	56.5	44.4	66.6	





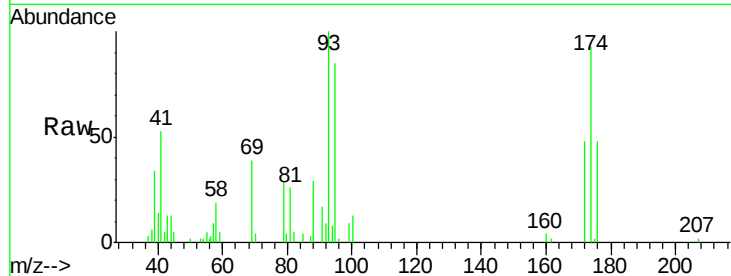
#49
1,4-Dioxane
Concen: 92.894 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	62.9	34.2	51.4#
58	87.8	69.0	103.4

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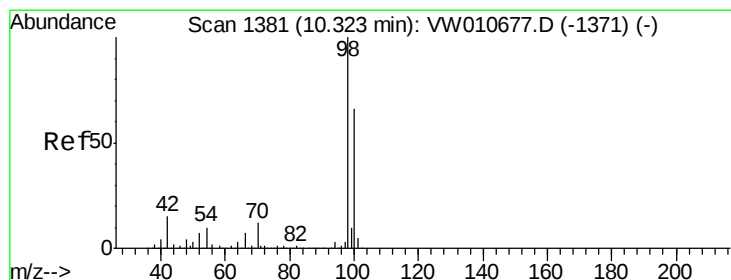
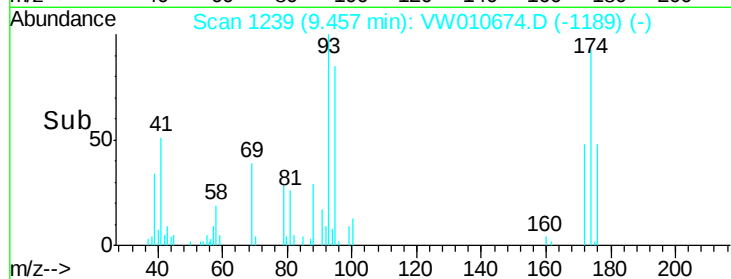
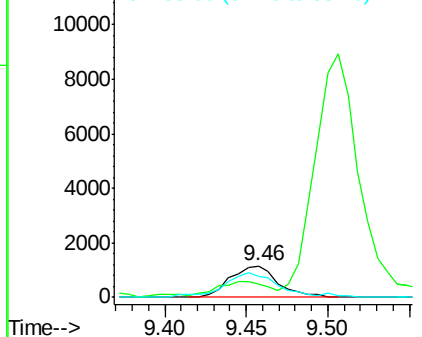


Abundance

Ion 88.00 (87.70 to 88.70): VW

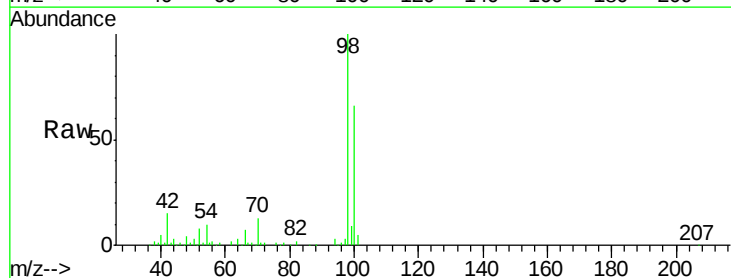
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 5.007 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

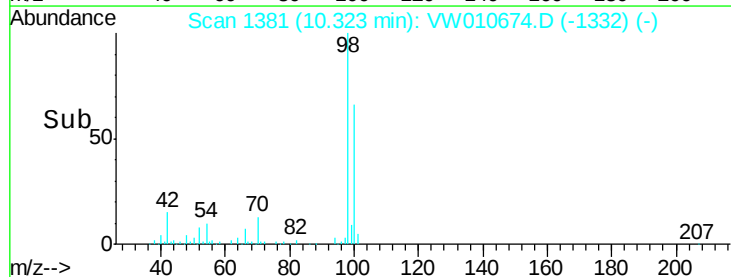
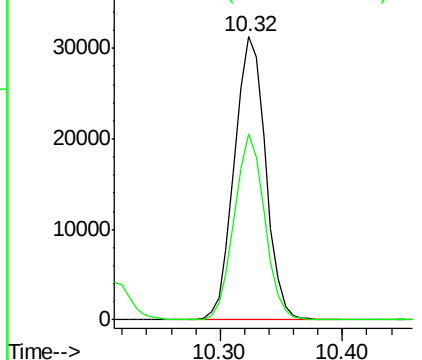
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	53.0	79.6

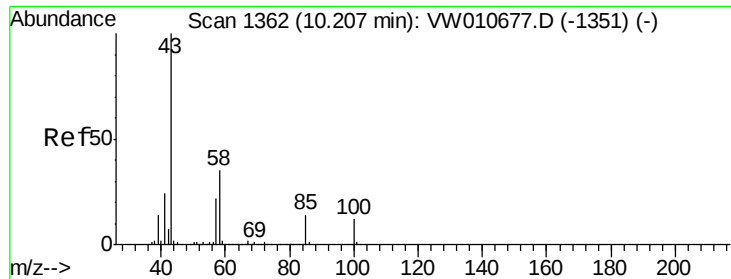


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 22.874 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 59321

Ion Ratio Lower Upper

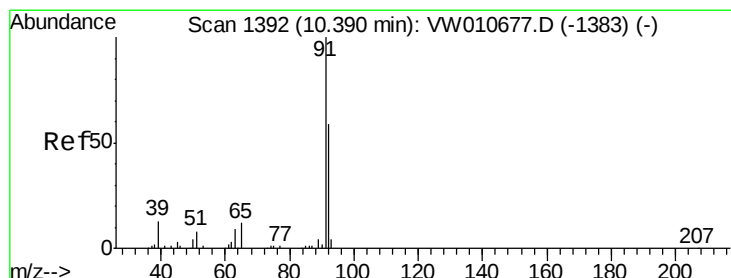
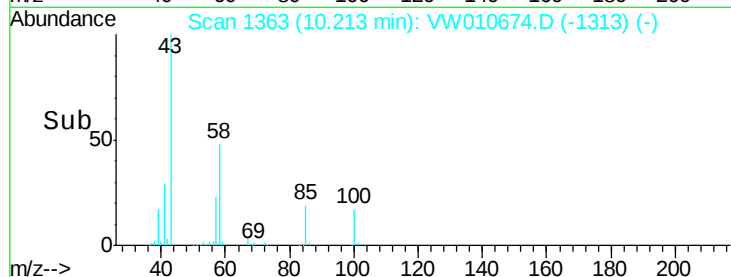
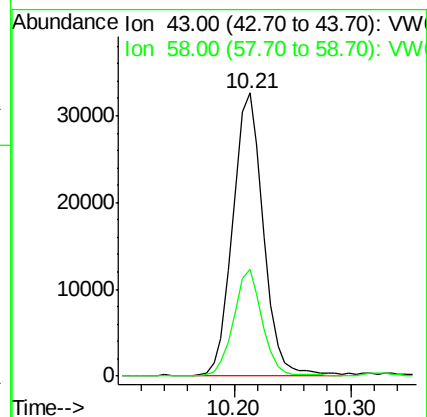
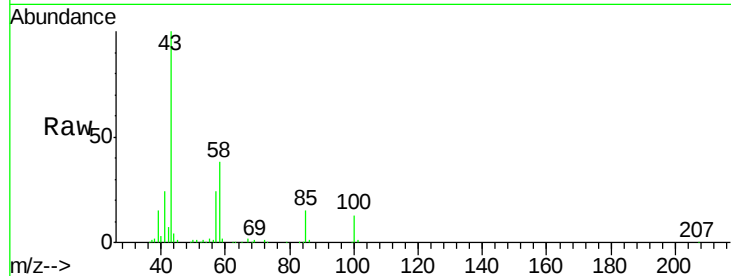
43 100

58 35.9 28.4 42.6

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#52

Toluene

Concen: 4.893 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW010674.D

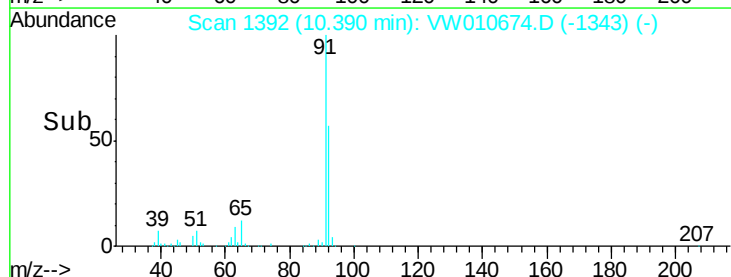
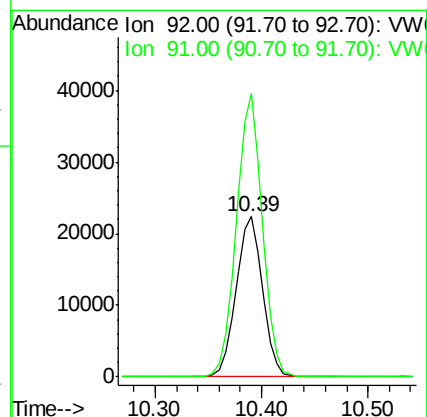
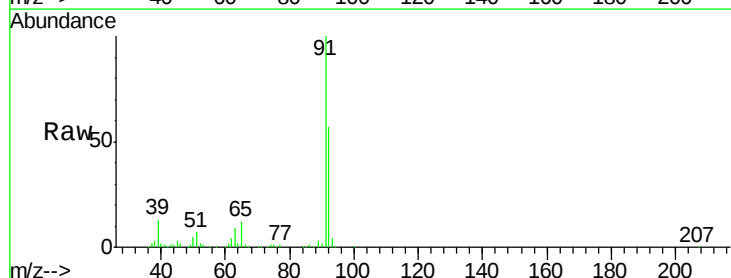
Acq: 04 Jun 2019 14:21

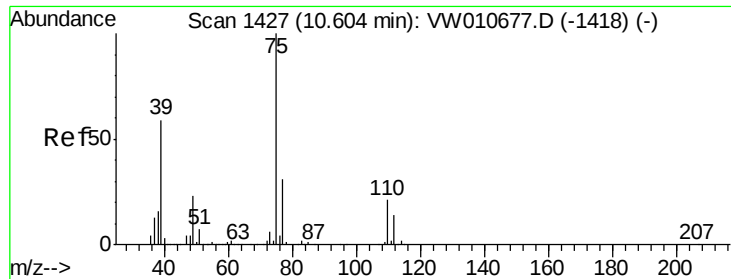
Tgt Ion: 92 Resp: 38943

Ion Ratio Lower Upper

92 100

91 173.8 134.9 202.3





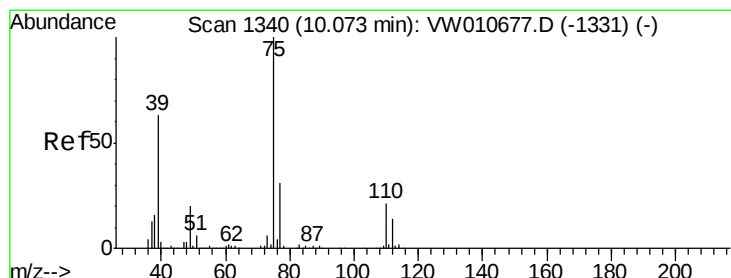
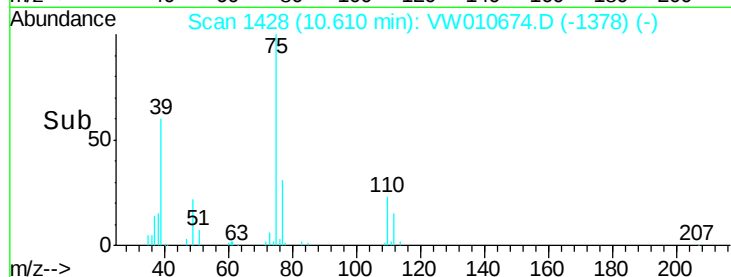
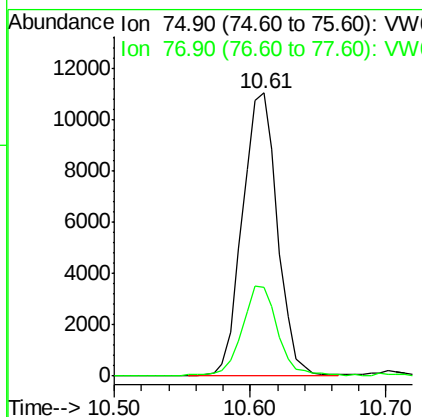
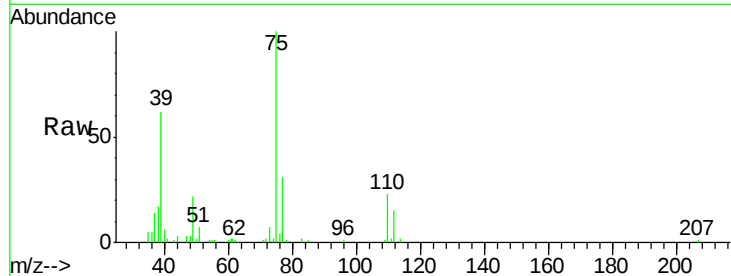
#53
 t-1,3-Dichloropropene
 Concen: 4.553 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 19883
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.6 36.8

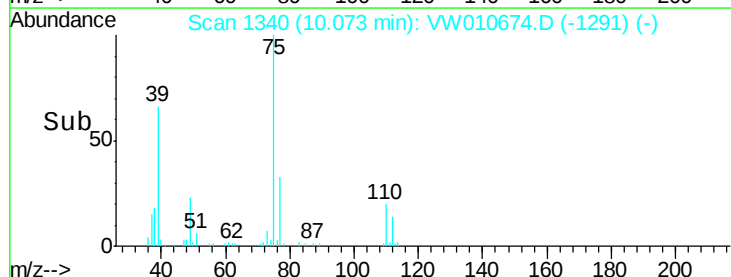
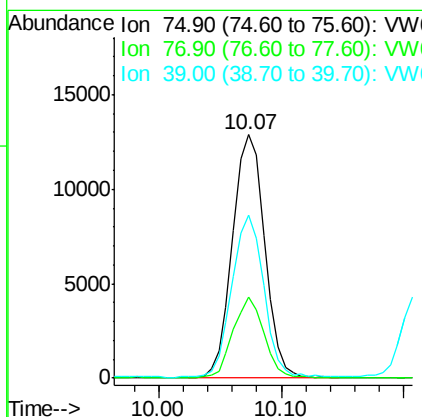
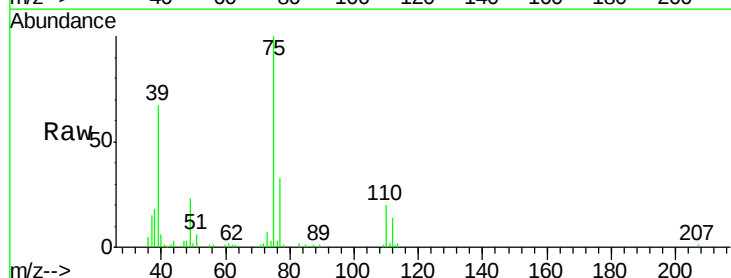
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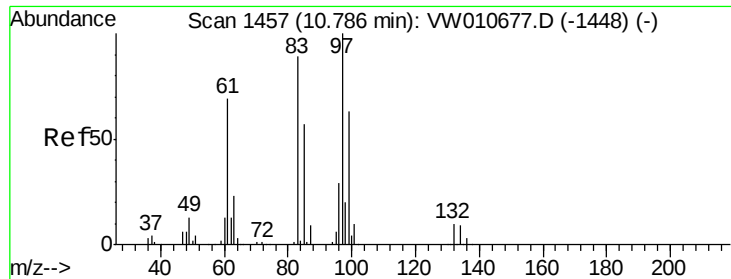
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#54
 cis-1,3-Dichloropropene
 Concen: 4.583 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion: 75 Resp: 23551
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.2 37.8
 39 66.1 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 4.819 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 11041

Ion Ratio Lower Upper

97 100

83 89.2 71.1 106.7

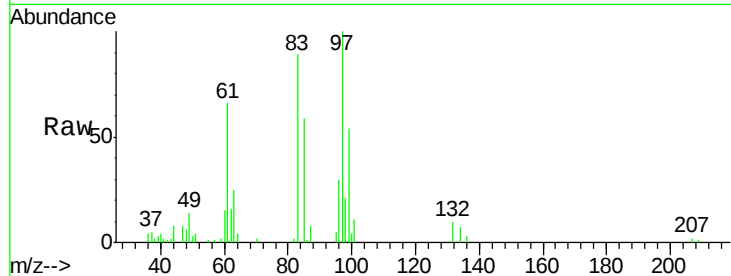
85 59.4 45.2 67.8

99 54.1 50.0 75.0

Manual Integrations
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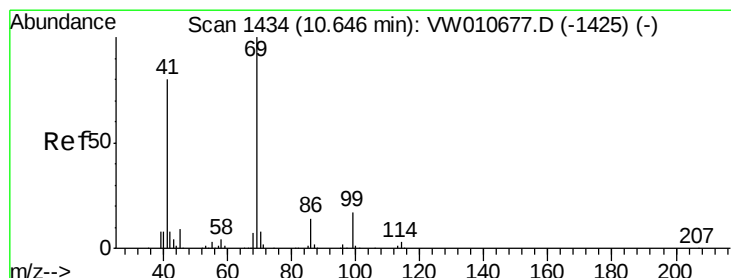
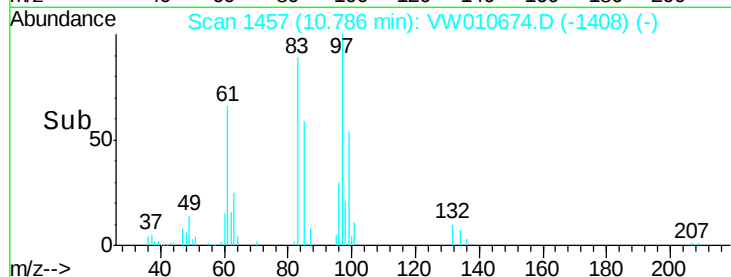
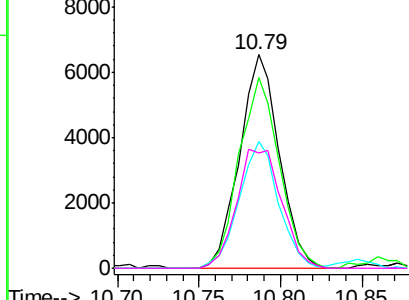


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.523 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

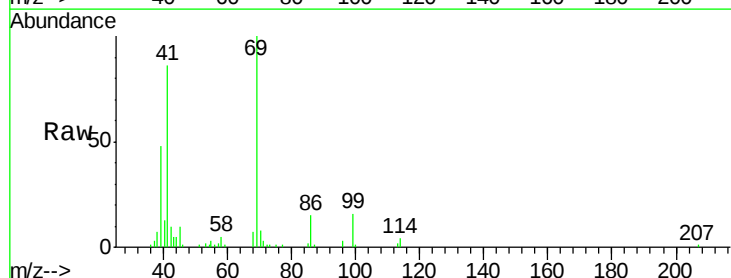
Tgt Ion: 69 Resp: 15946

Ion Ratio Lower Upper

69 100

41 80.4 64.8 97.2

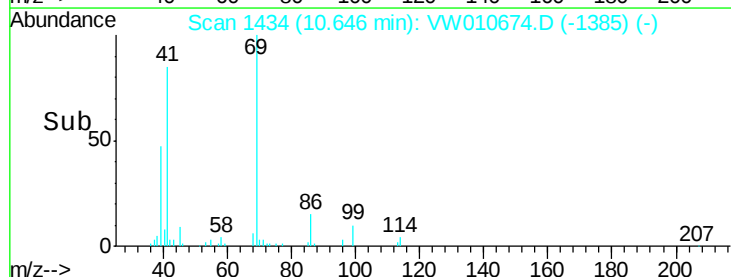
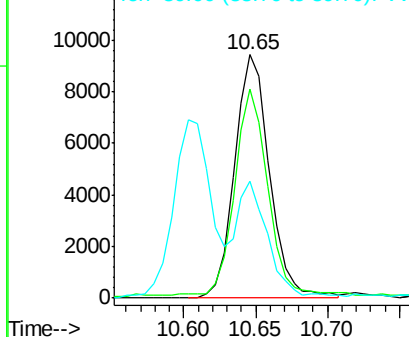
39 42.5 32.2 48.2

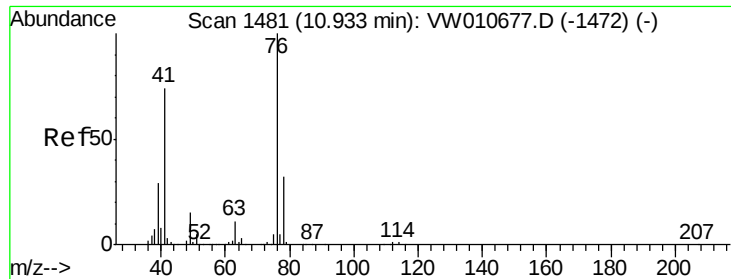


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





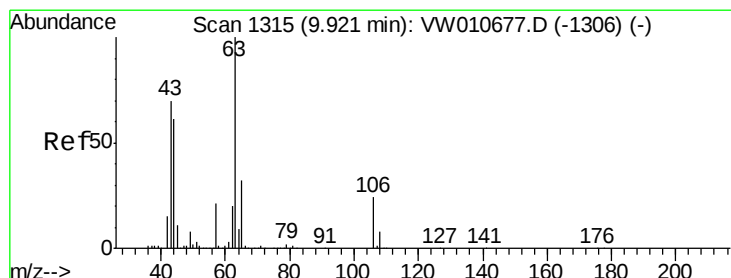
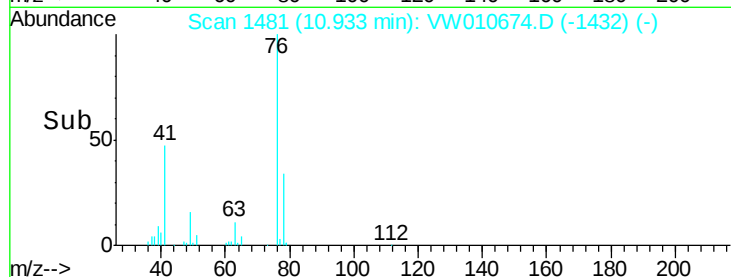
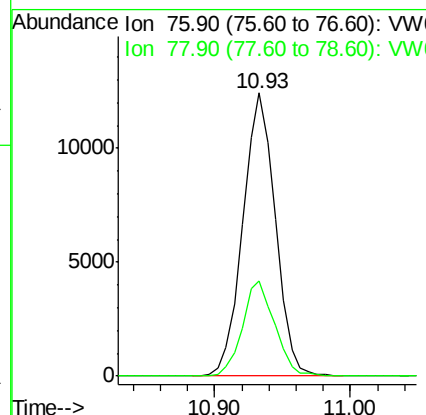
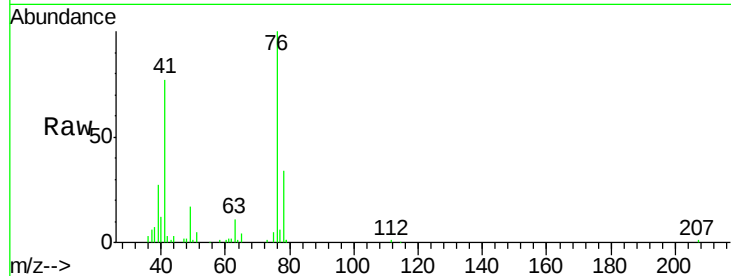
#57
 1,3-Dichloropropane
 Concen: 4.801 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.7	38.5

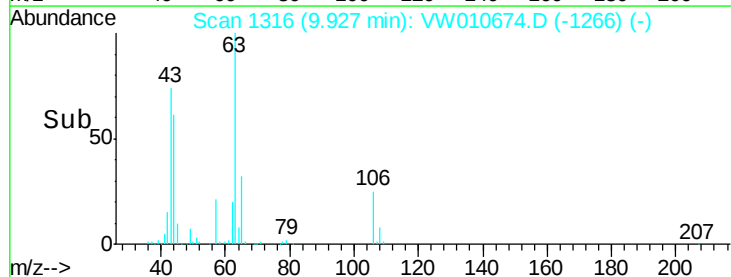
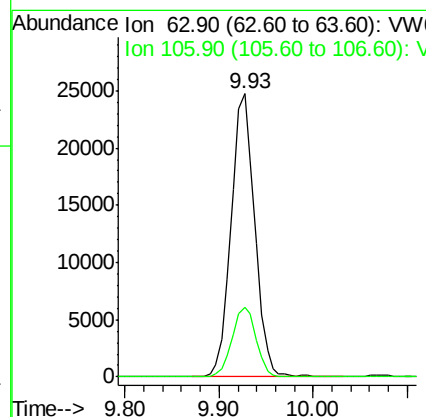
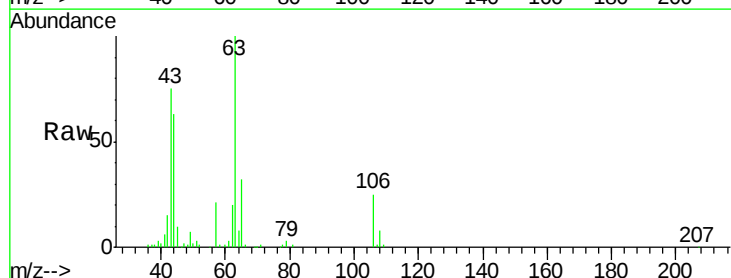
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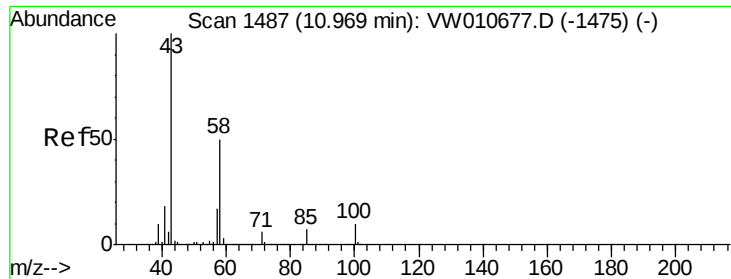
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#58
 2-Chloroethyl Vinyl ether
 Concen: 23.394 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	20.1	30.1





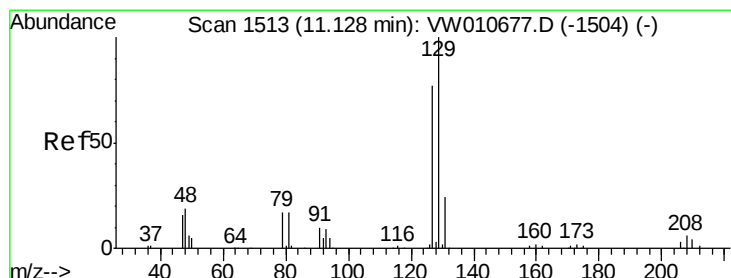
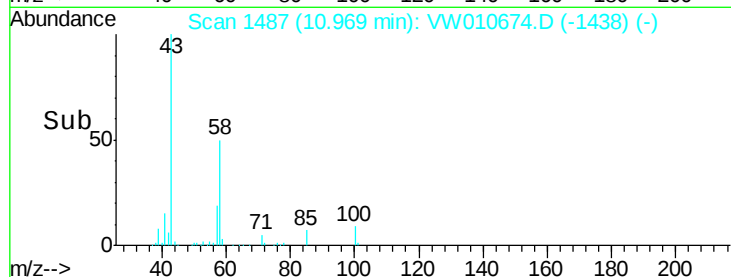
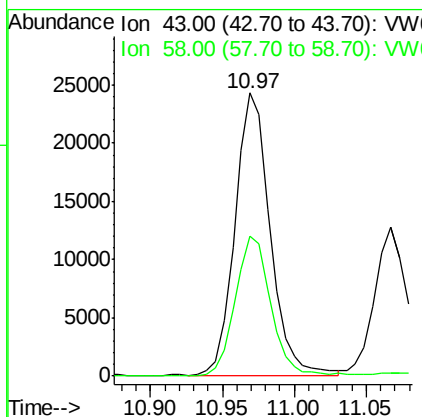
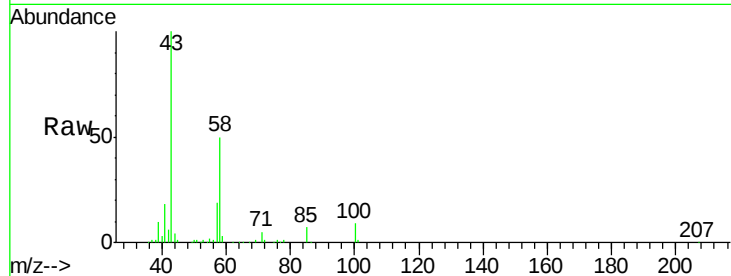
#59
2-Hexanone
Concen: 21.920 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 41086
Ion Ratio Lower Upper
43 100
58 50.8 24.9 74.6

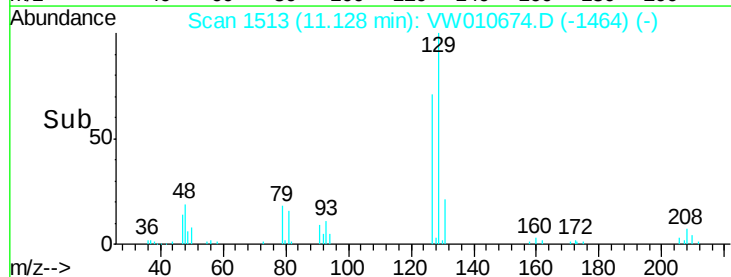
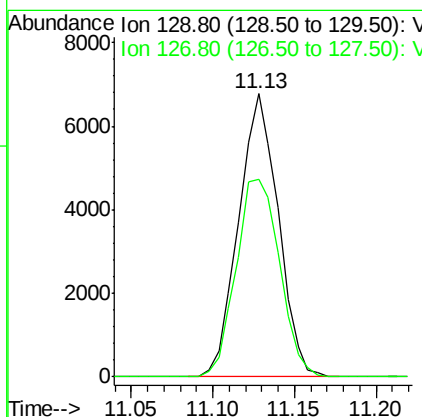
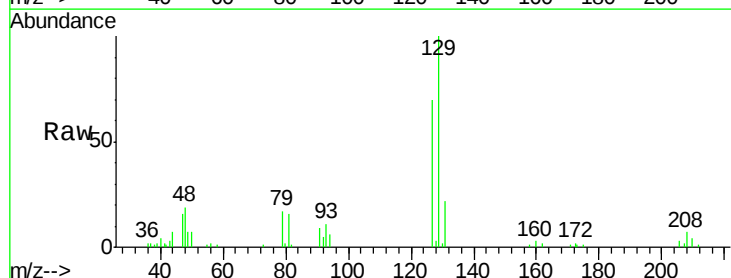
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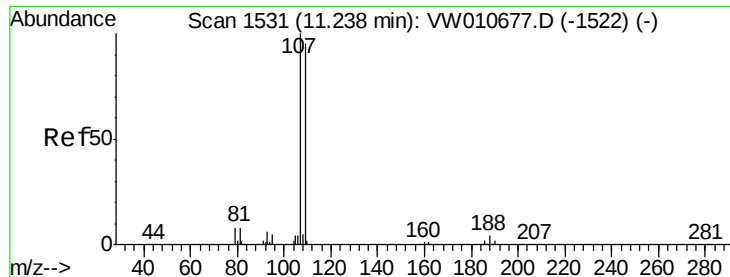
MMDadoda
6/5/2019 3:04:50 PM



#60
Dibromochloromethane
Concen: 4.516 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion: 129 Resp: 11470
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0





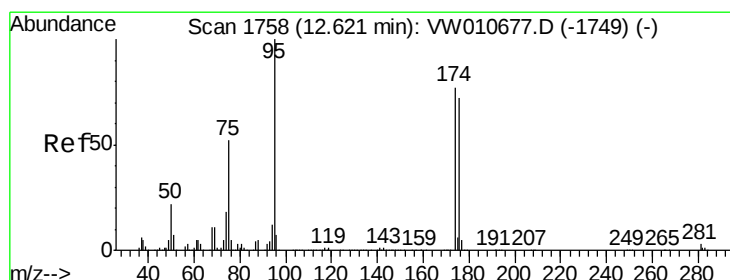
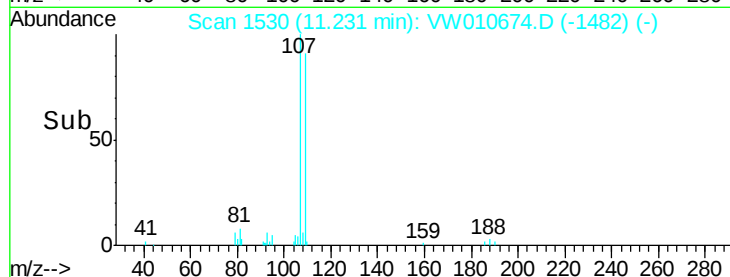
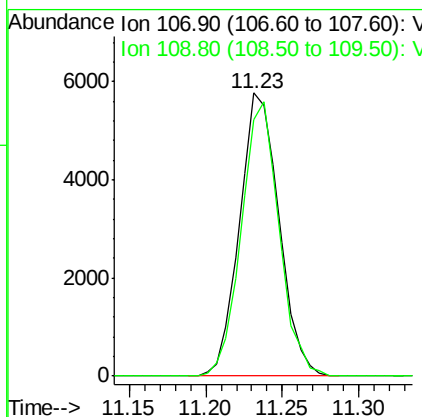
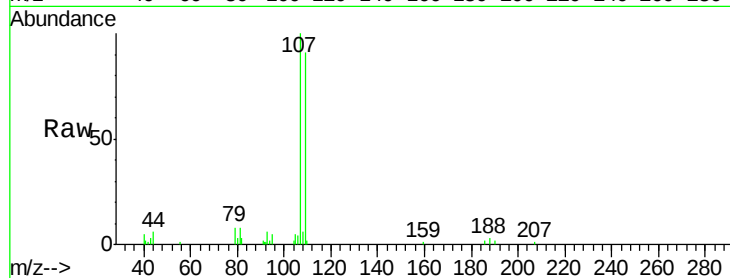
#61
 1,2-Dibromoethane
 Concen: 4.755 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.8	113.8

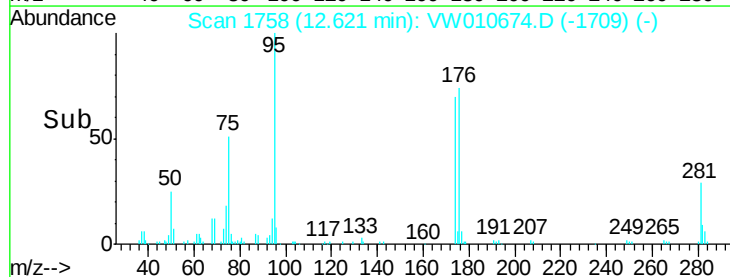
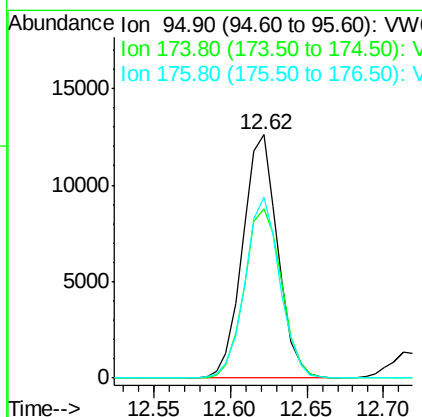
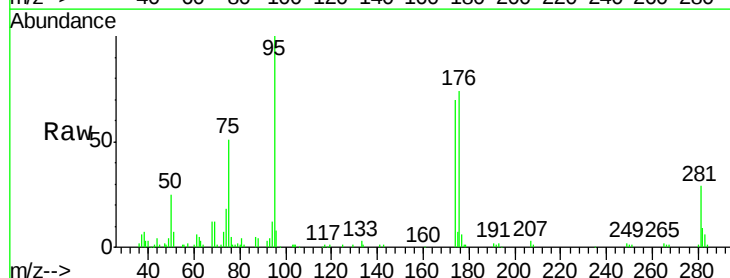
Manual Integrations
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 6/5/2019 3:04:50 PM



#62
 4-Bromofluorobenzene
 Concen: 4.998 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	150.4
176	73.7	0.0	144.8





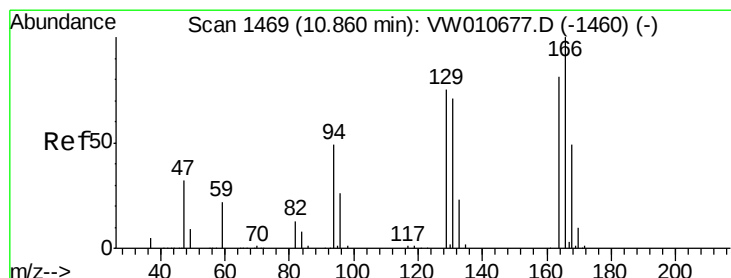
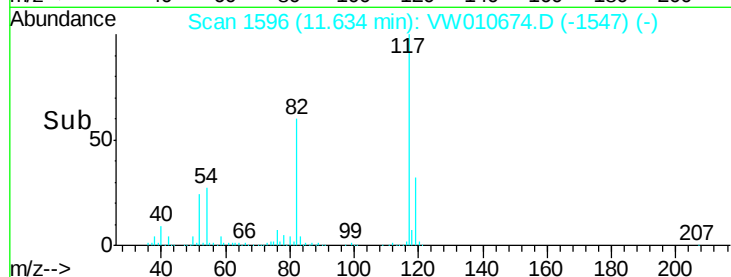
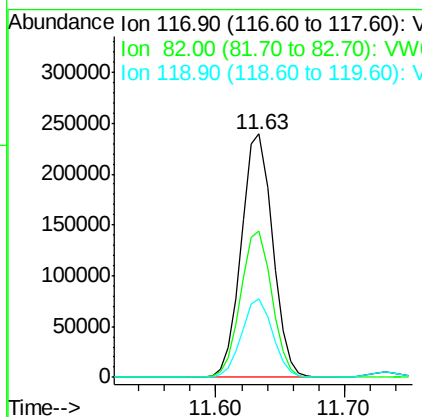
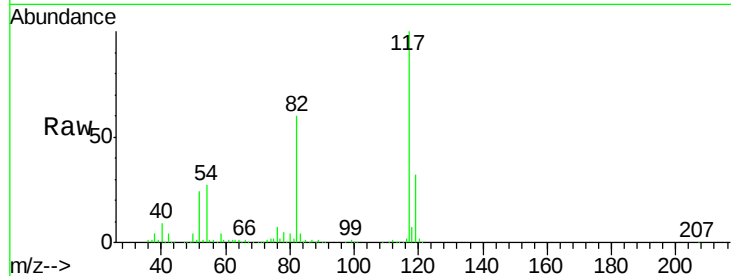
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.0	70.4
119	32.3	25.1	37.7

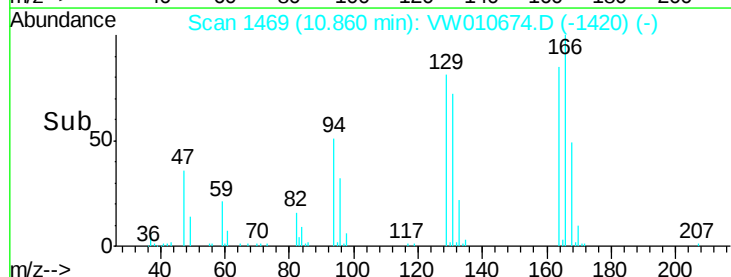
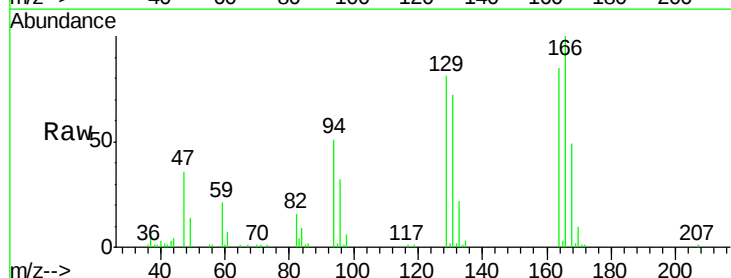
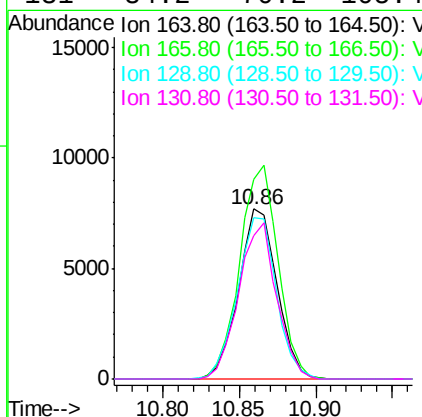
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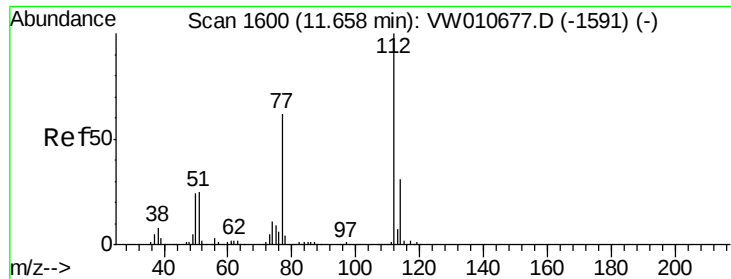
MMDadoda
6/5/2019 3:04:50 PM



#64
Tetrachloroethene
Concen: 5.018 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.5	99.2	148.8
129	95.0	74.6	112.0
131	84.2	70.2	105.4





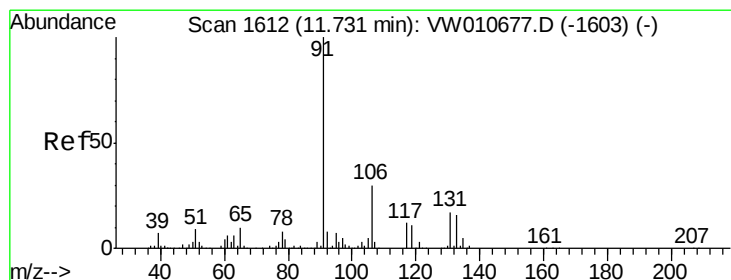
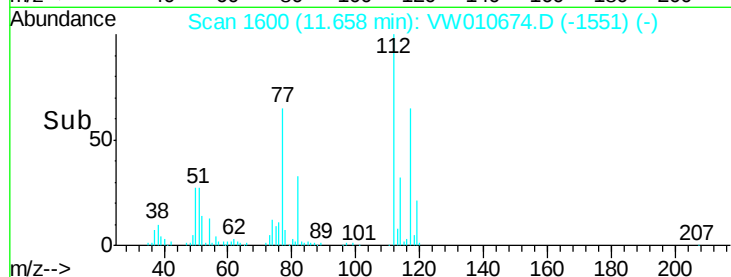
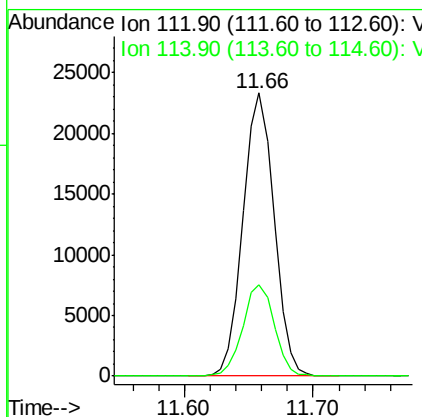
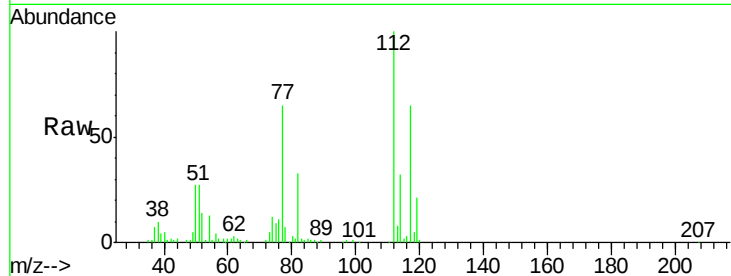
#65
Chlorobenzene
Concen: 4.917 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 39000
Ion Ratio Lower Upper
112 100
114 32.3 24.8 37.2

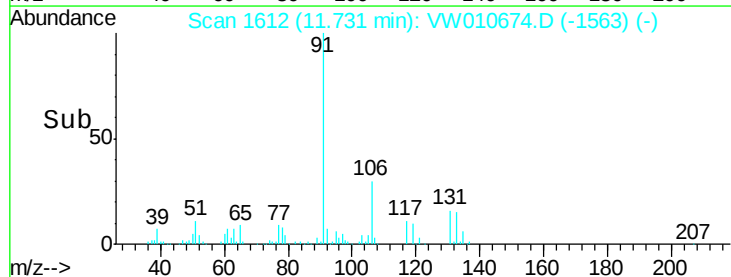
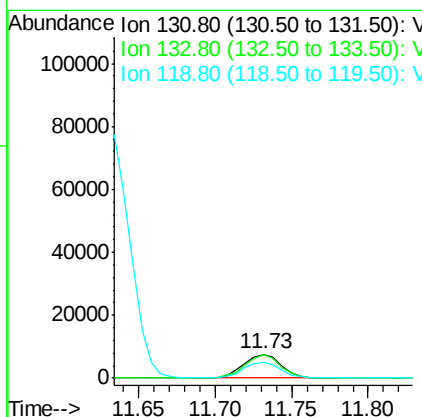
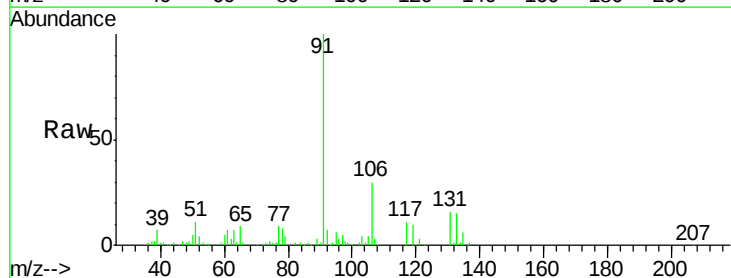
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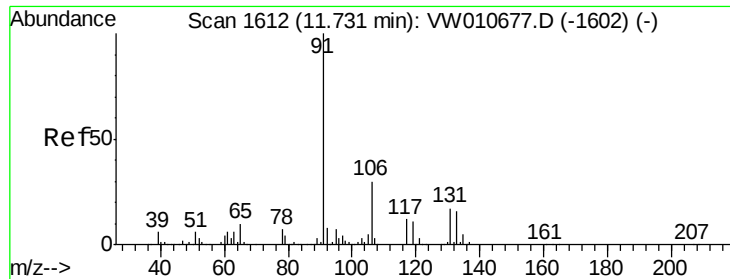
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.727 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion:131 Resp: 12979
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 66.3 32.4 97.0





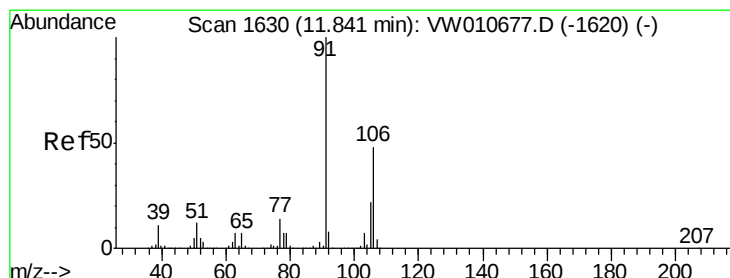
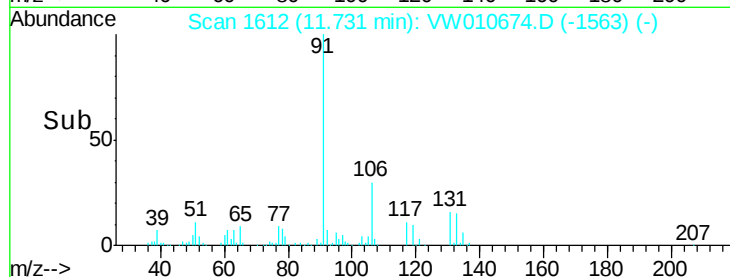
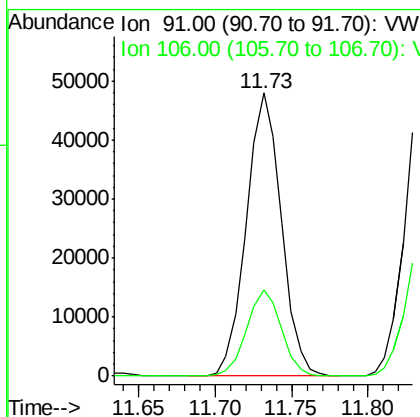
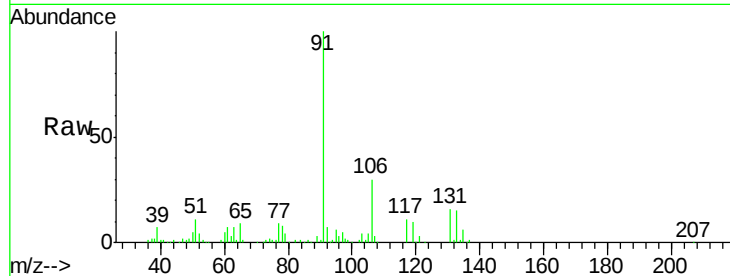
#67
Ethyl Benzene
Concen: 5.011 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 76395
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.4

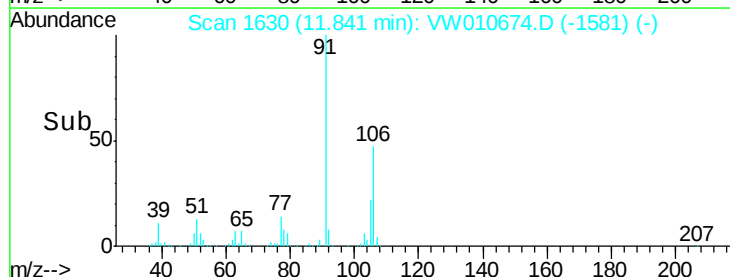
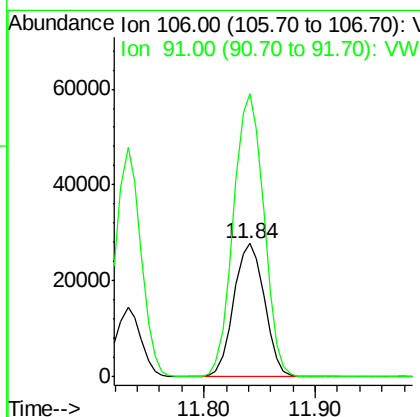
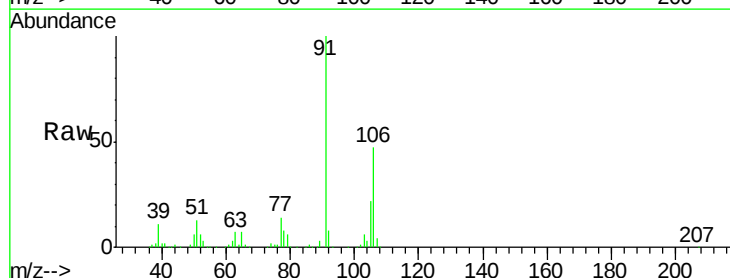
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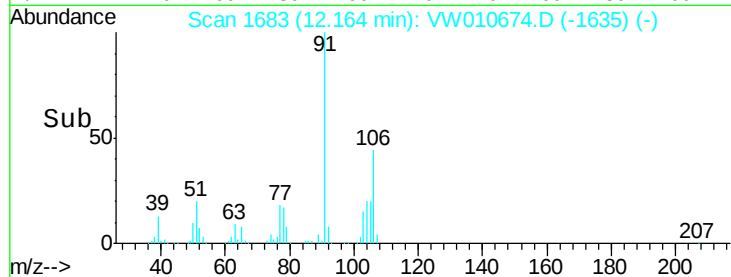
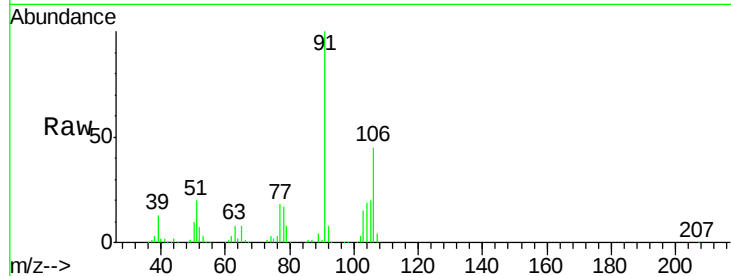
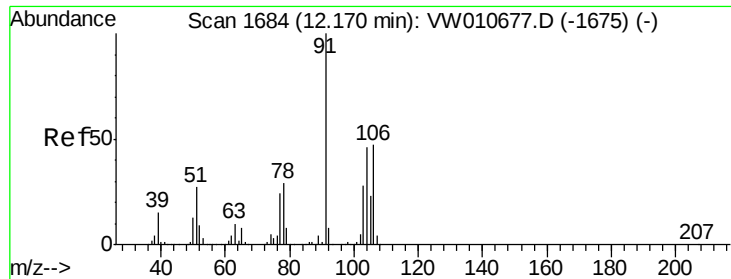
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6/5/2019 3:04:50 PM



#68
m/p-Xylenes
Concen: 9.777 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion: 106 Resp: 53352
Ion Ratio Lower Upper
106 100
91 209.3 166.5 249.7





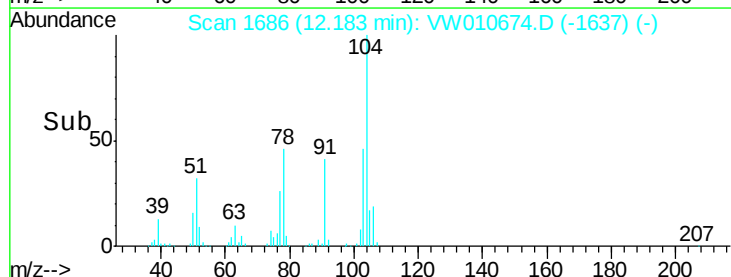
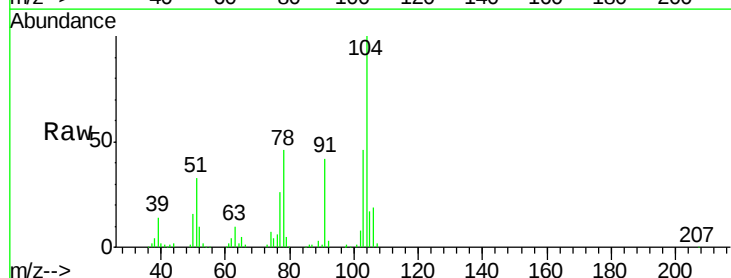
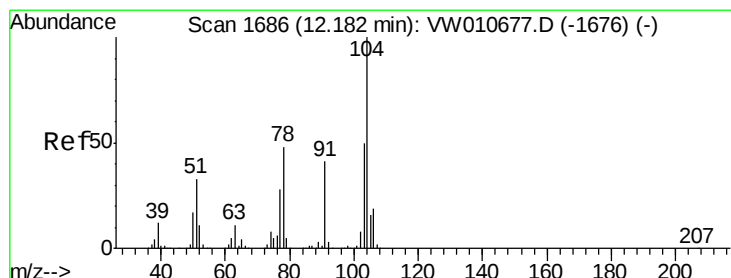
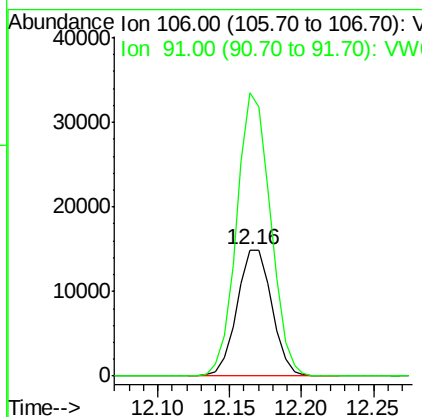
#69
o-Xylene
Concen: 4.858 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tot Ion:106 Resp: 25143
Ion Ratio Lower Upper
106 100
91 217.8 108.9 326.6

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

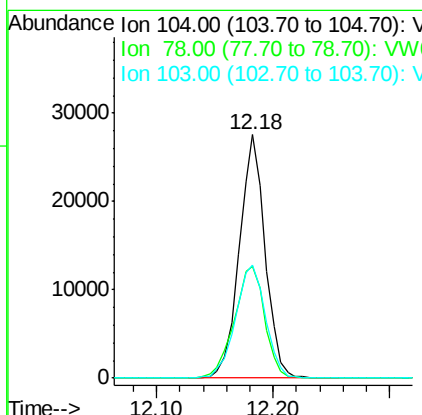
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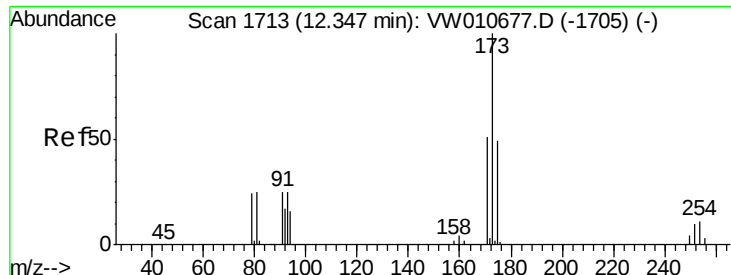
MMDadoda
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#70
Styrene
Concen: 4.730 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion:104 Resp: 42523
Ion Ratio Lower Upper
104 100
78 53.9 42.7 64.1
103 53.8 43.6 65.4





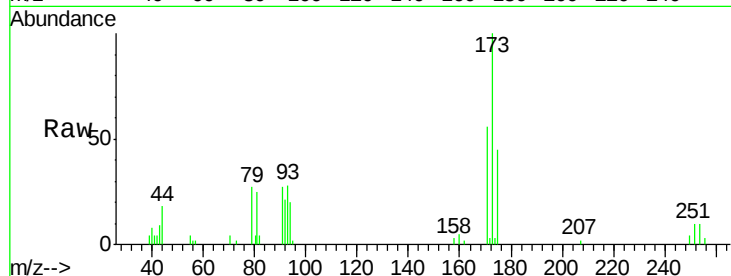
#71
Bromoform
Concen: 4.359 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

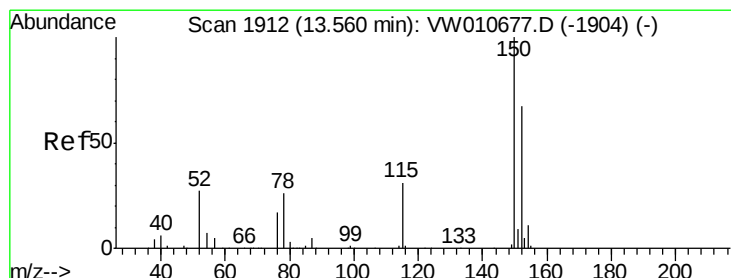
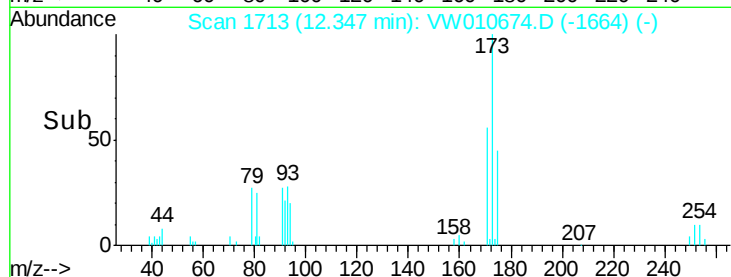
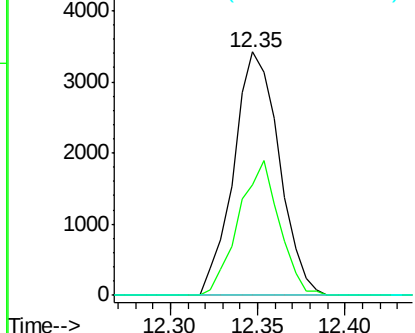
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.3	72.8
254	0.0	0.1	0.1

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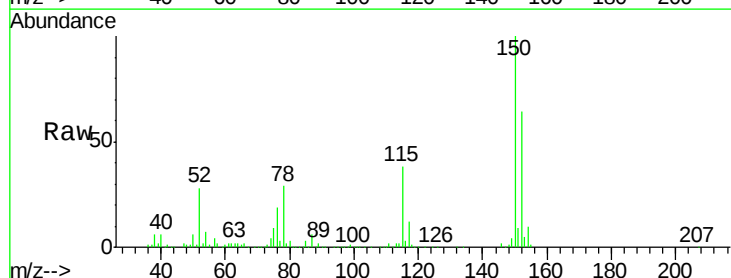


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

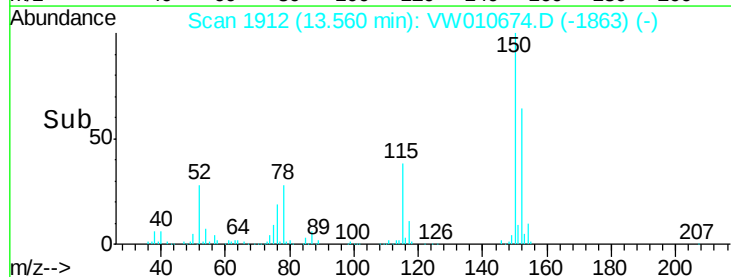
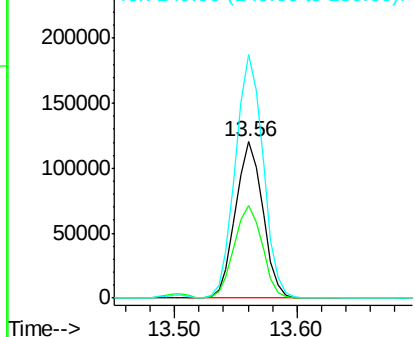


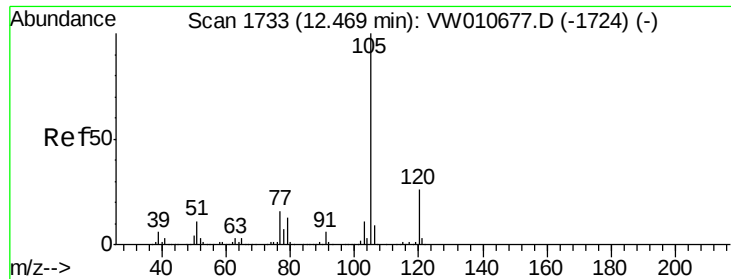
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	29.8	89.3
150	157.7	0.0	345.0



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: 5.017 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 70174

Ion Ratio Lower Upper

105 100

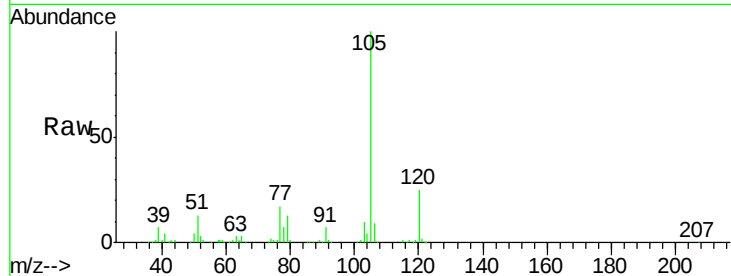
120 25.4 13.1 39.1

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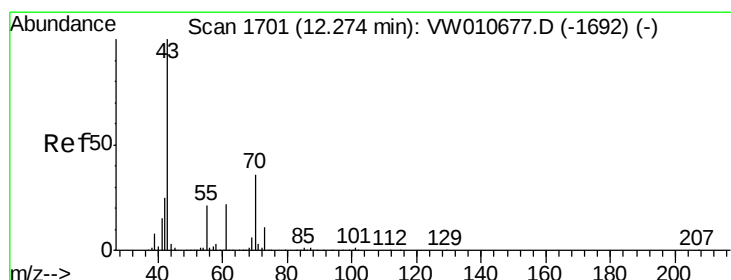
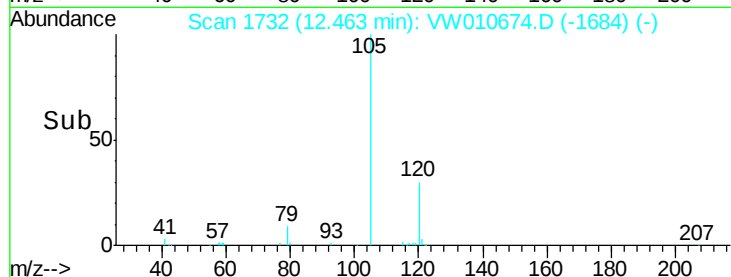
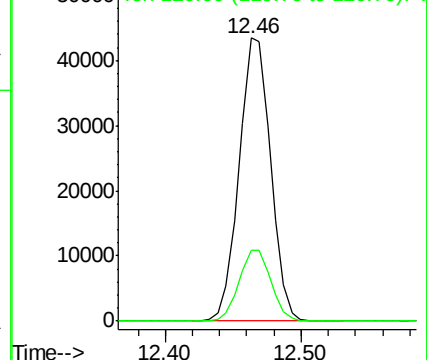
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.547 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion: 43 Resp: 20554

Ion Ratio Lower Upper

43 100

70 35.5 29.2 43.8

55 22.0 17.5 26.3

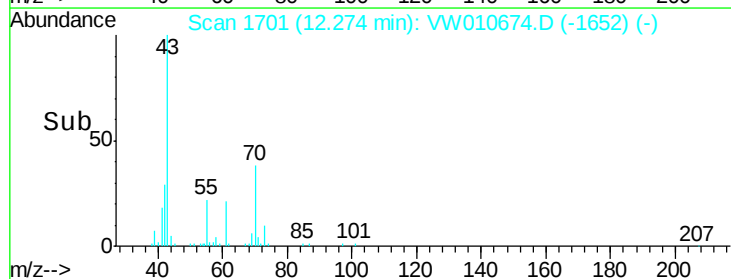
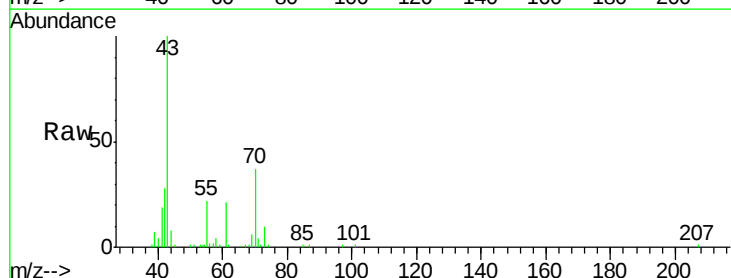
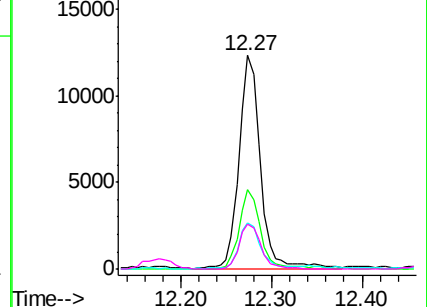
61 21.2 17.4 26.2

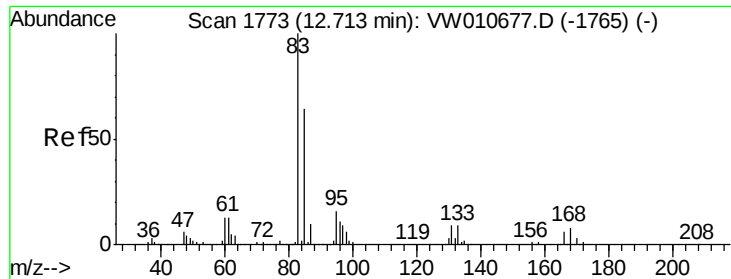
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 4.838 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

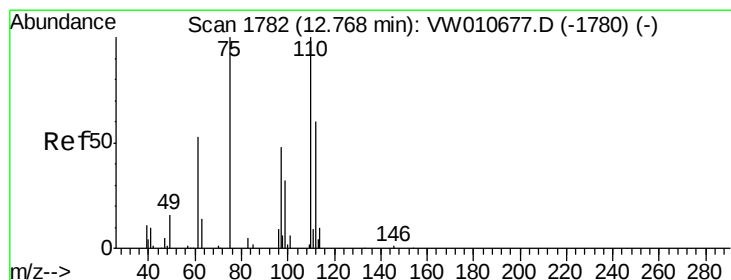
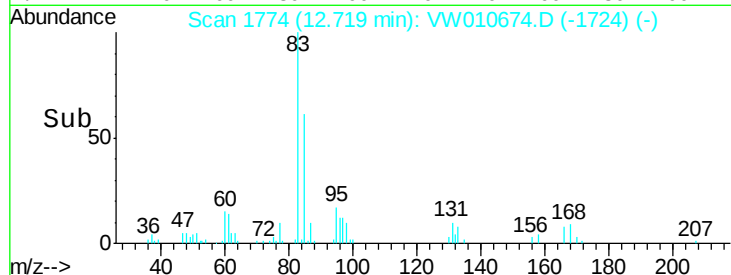
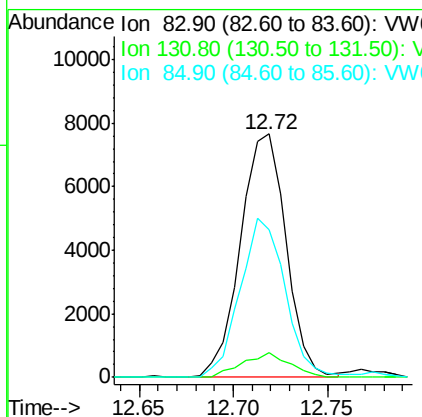
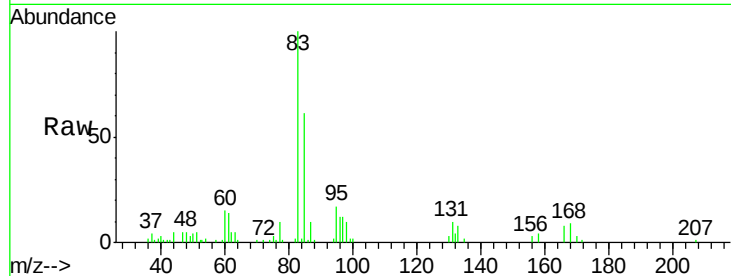
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12884
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.7
85	64.6	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 3.622 ug/l m

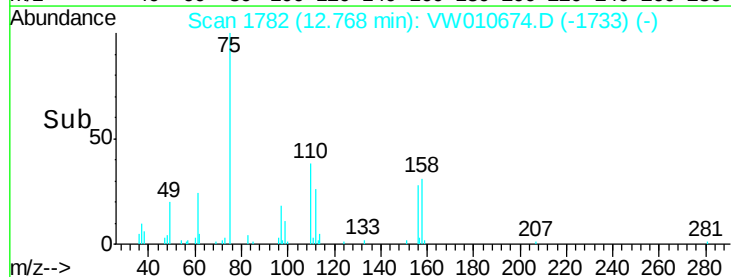
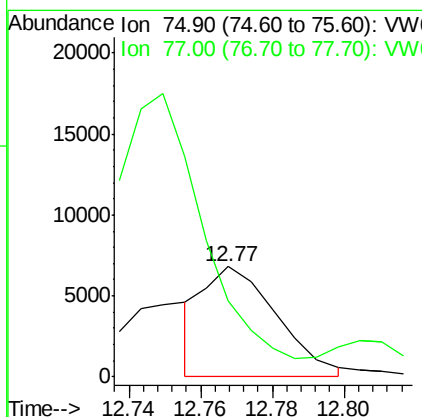
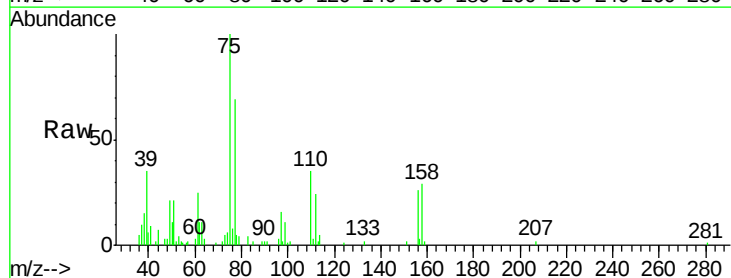
RT: 12.77 min Scan# 1782

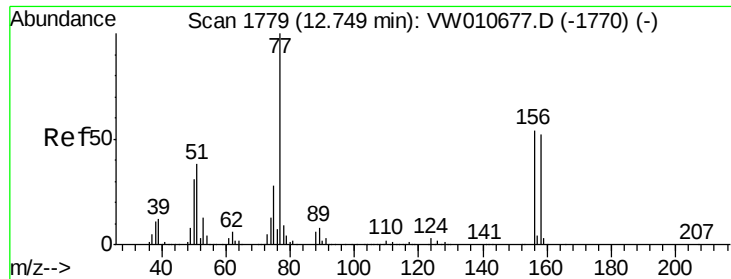
Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	75	Resp:	9660
Ion Ratio	Lower	Upper	
75	100		
77	336.5	0.0	0.0#





#77

Bromobenzene

Concen: 4.934 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

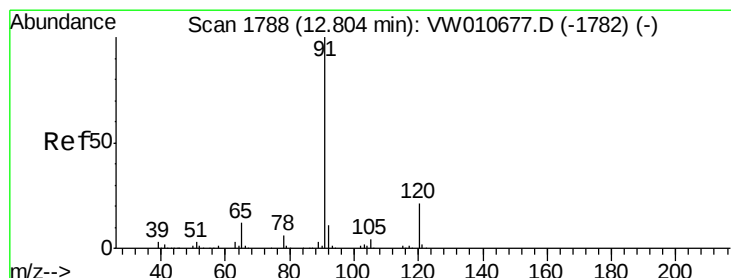
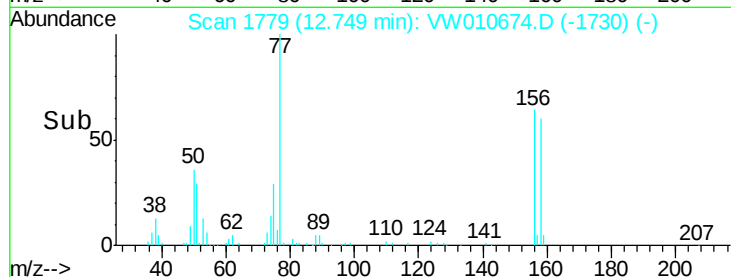
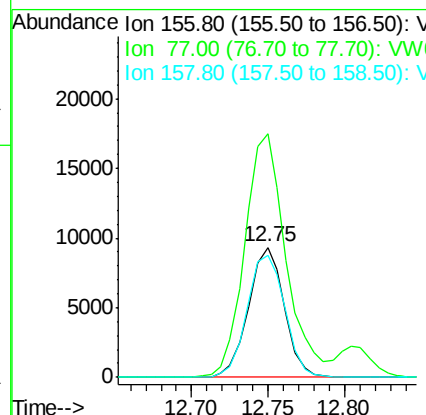
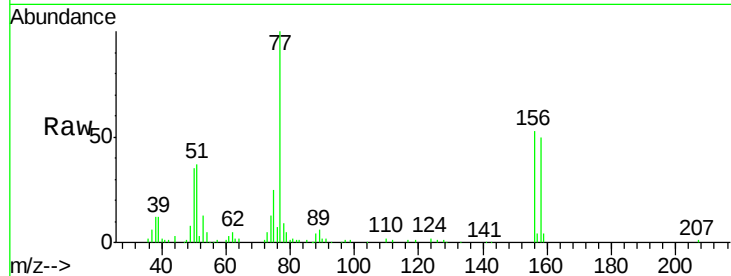
ClientSampled :

VSTDIC005

Tot Ion	156	Resp	15067
Ion Ratio	100	Lower	Upper
77	215.7	106.5	319.4
158	99.6	48.3	144.9

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#78

n-propylbenzene

Concen: 4.956 ug/l

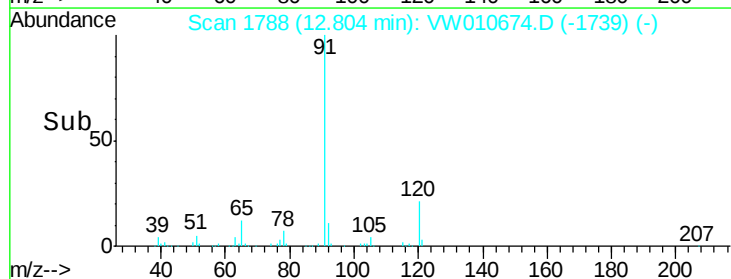
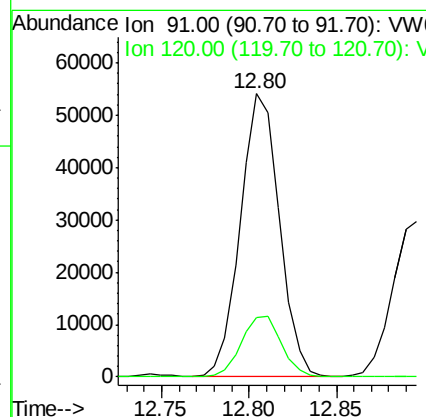
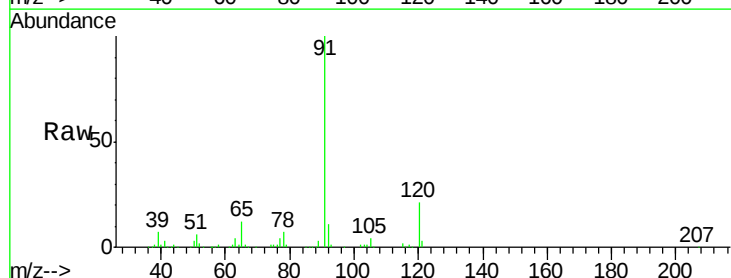
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion	91	Resp	83601
Ion Ratio	100	Lower	Upper
91	100		
120	22.0	10.8	32.4





#79

2-Chlorotoluene

Concen: 4.989 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48077

Ion Ratio Lower Upper

91 100

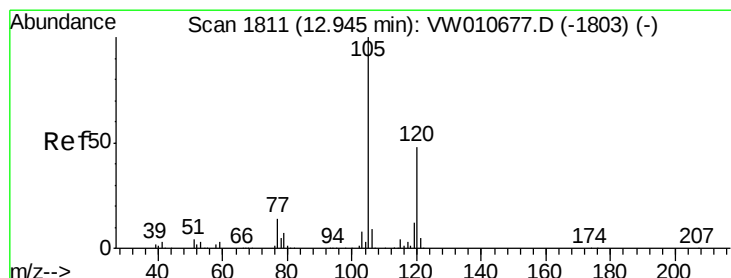
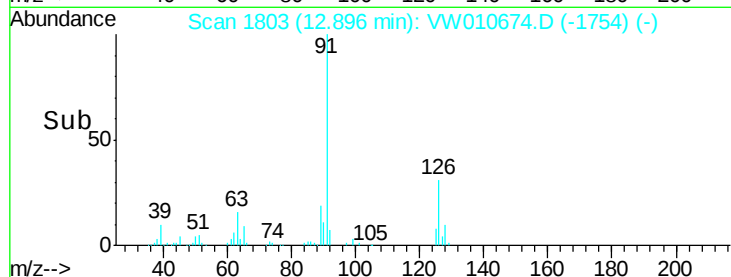
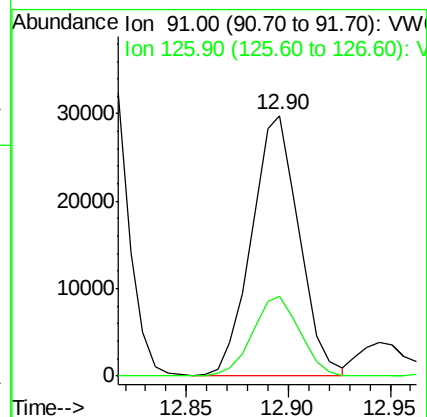
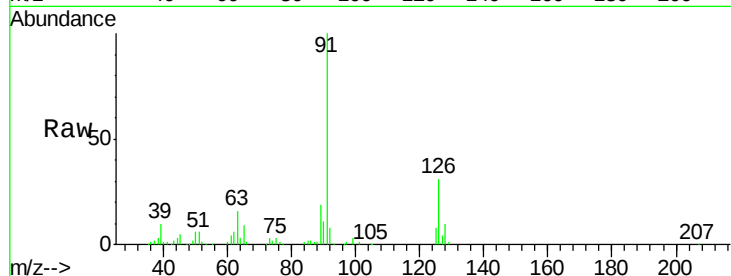
126 30.7 15.7 47.0

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#80

1,3,5-Trimethylbenzene

Concen: 4.920 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010674.D

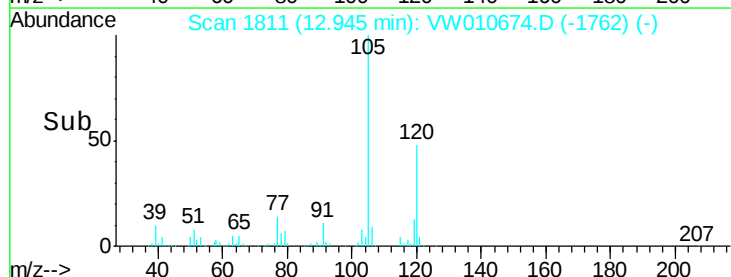
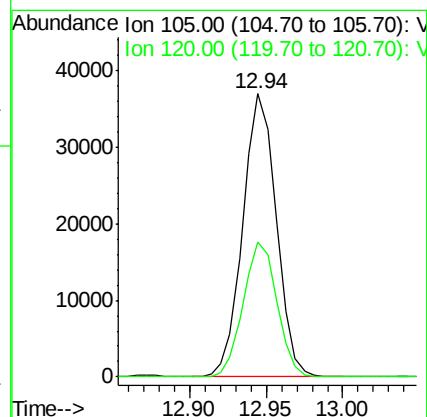
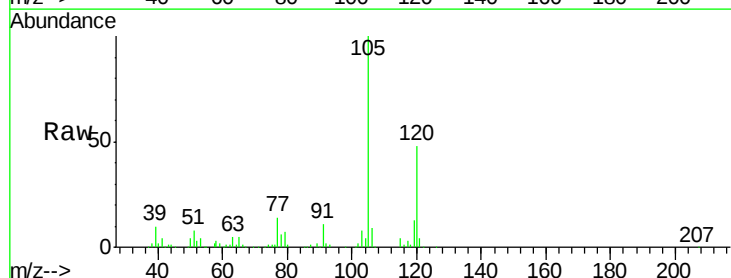
Acq: 04 Jun 2019 14:21

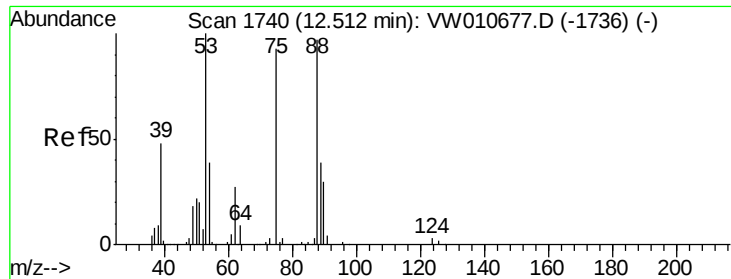
Tgt Ion: 105 Resp: 56329

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.8





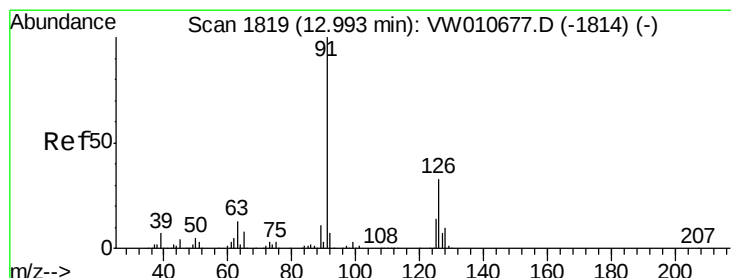
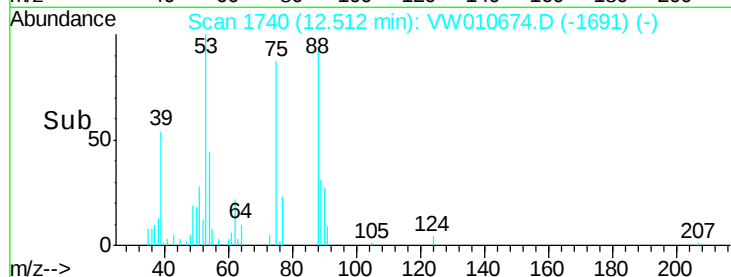
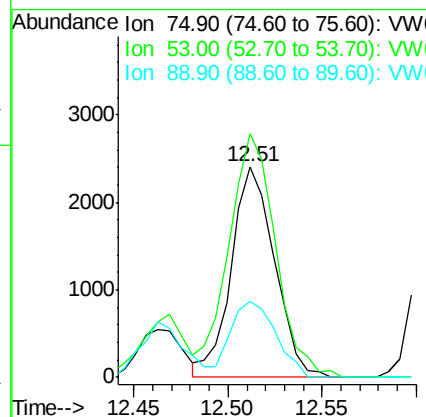
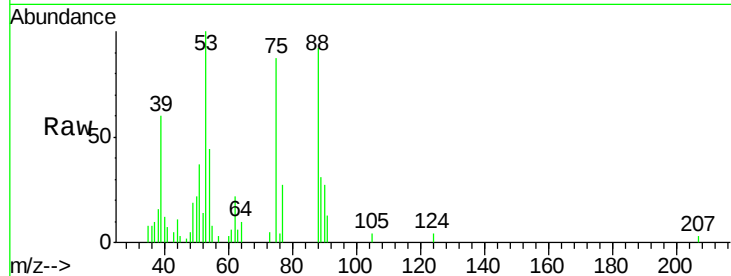
#81
trans-1,4-Dichloro-2-butene
Concen: 4.516 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.4	90.1	135.1
89	37.1	34.6	52.0

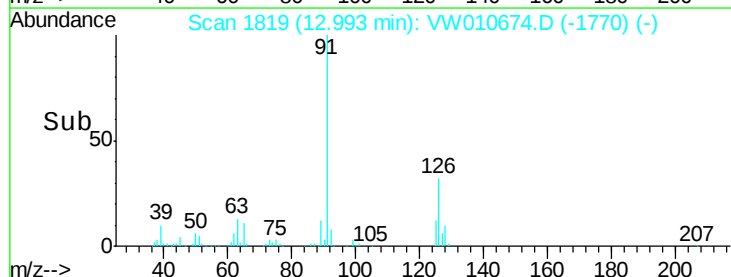
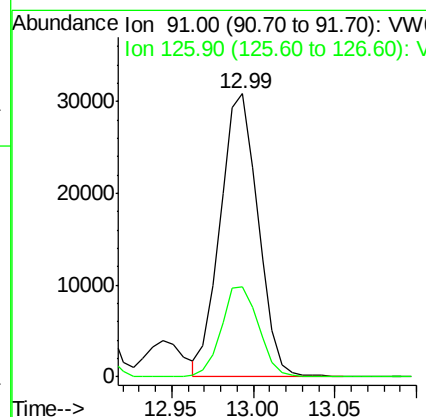
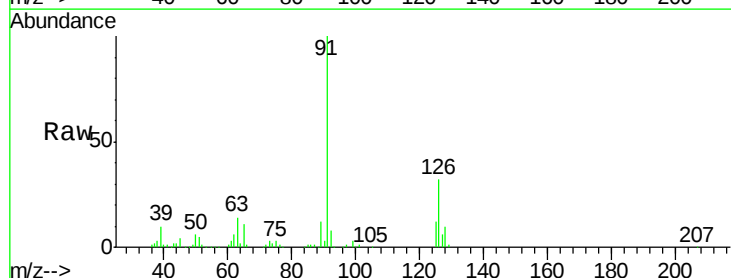
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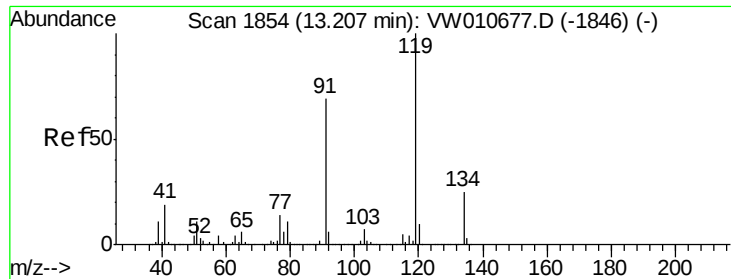
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#82
4-Chlorotoluene
Concen: 5.018 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.7





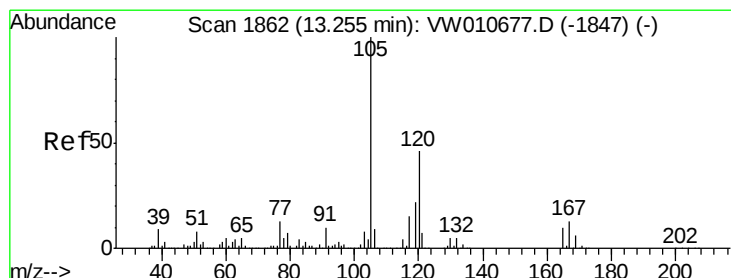
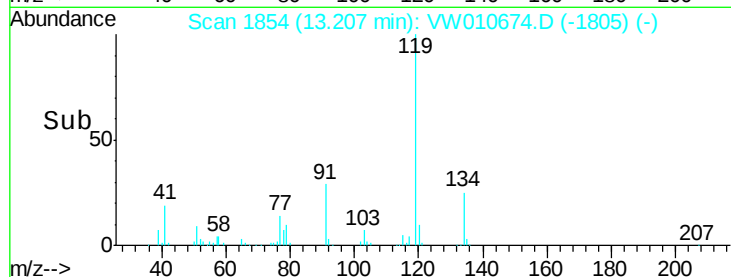
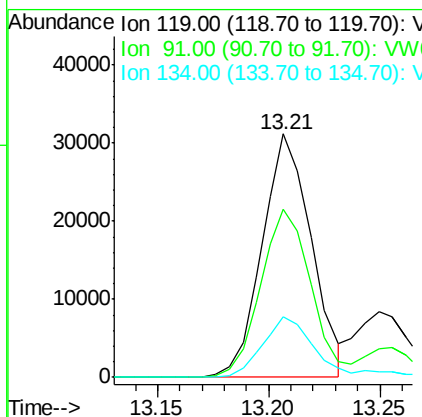
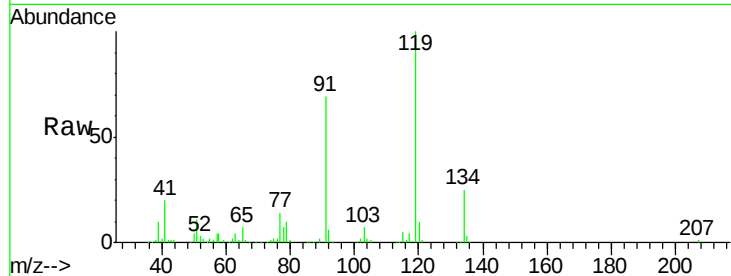
#83
tert-Butylbenzene
Concen: 4.915 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	35.1	105.3
134	27.5	13.6	40.7

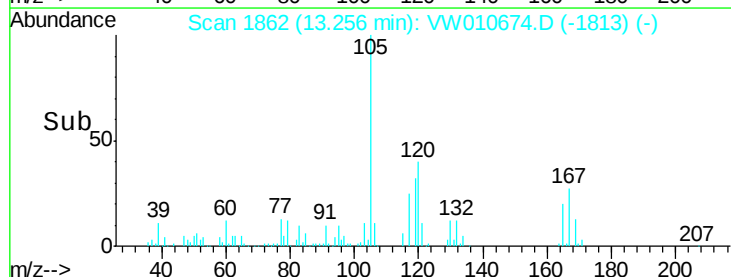
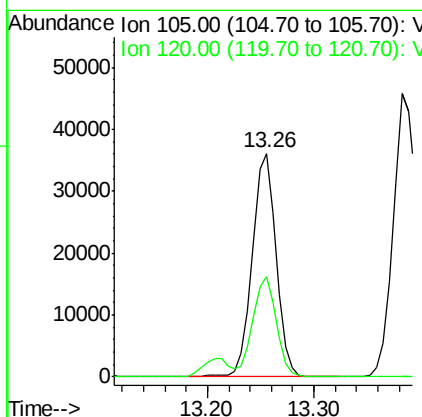
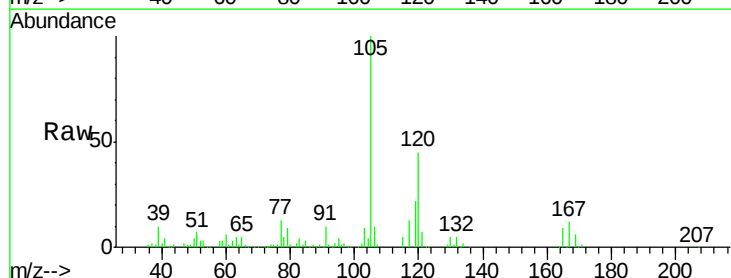
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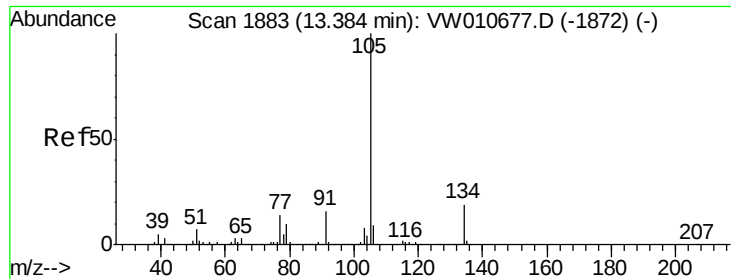
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#84
1,2,4-Trimethylbenzene
Concen: 4.947 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.5	67.5





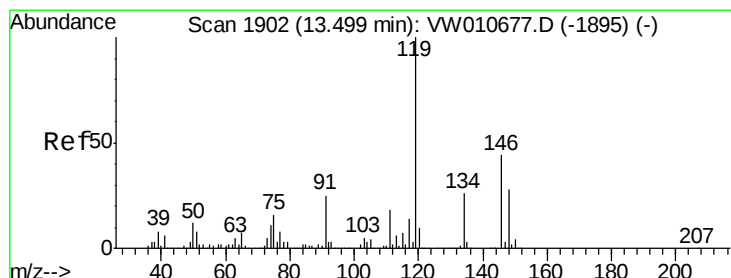
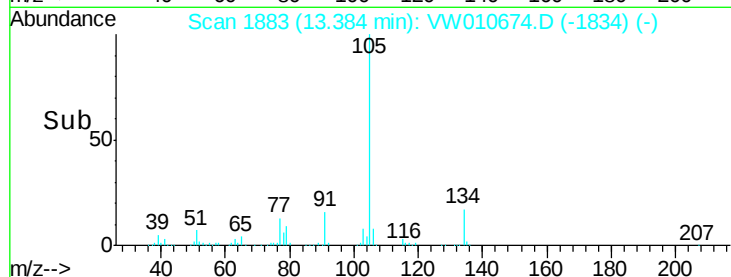
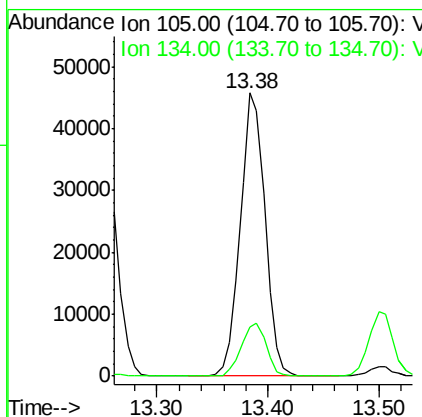
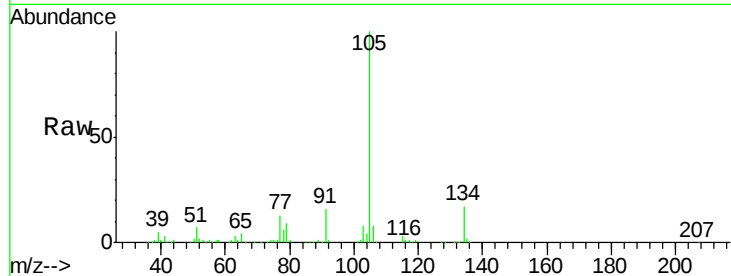
#85
 sec-Butylbenzene
 Concen: 4.977 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.7	28.9

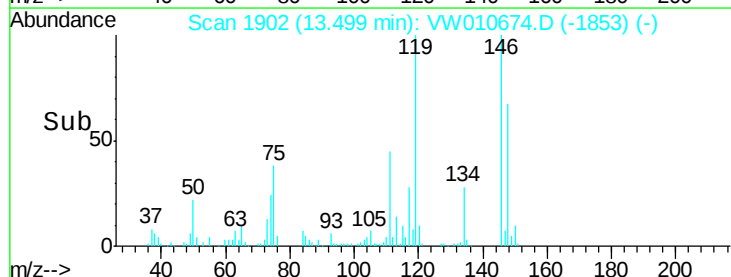
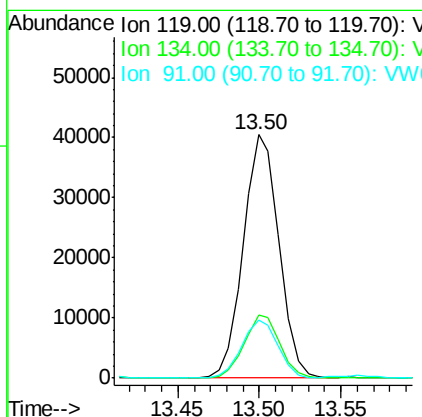
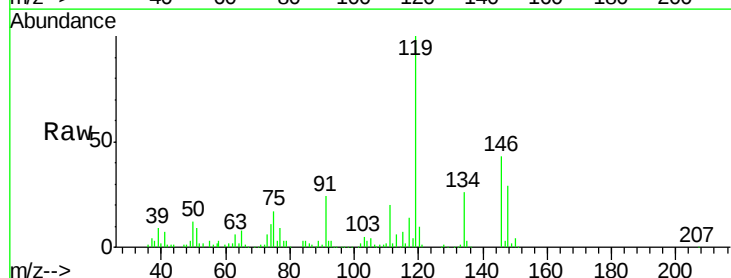
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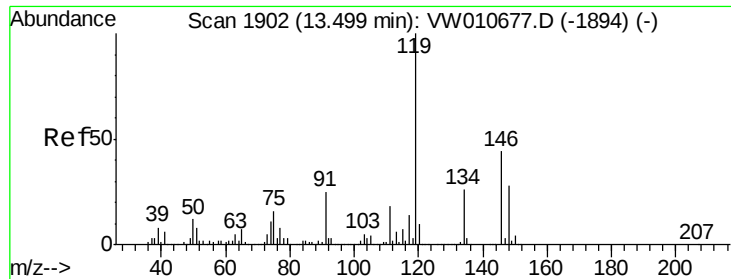
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#86
 p-Isopropyltoluene
 Concen: 4.860 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.0	39.0
91	24.2	12.2	36.4





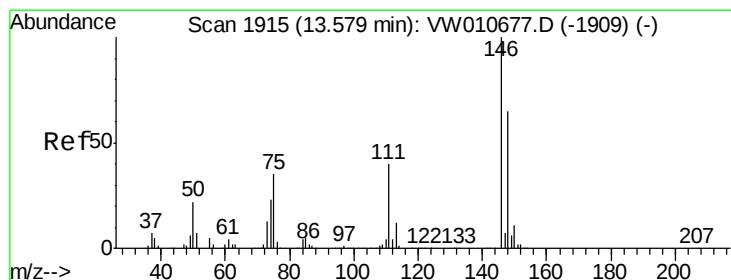
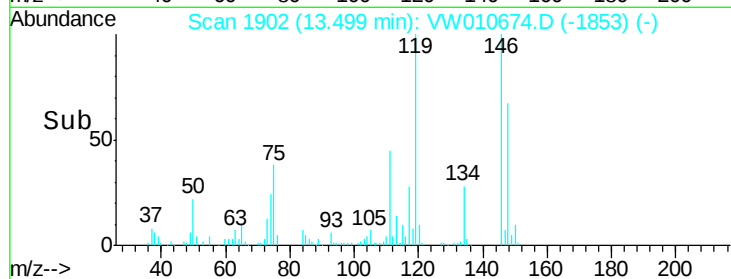
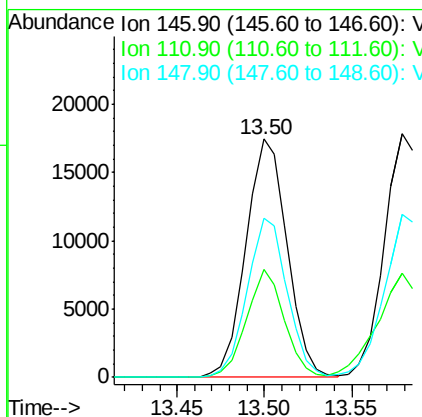
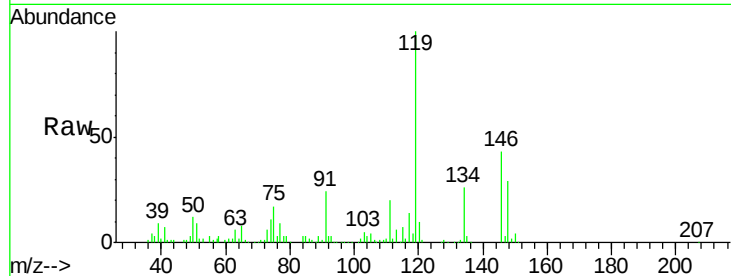
#87
 1,3-Dichlorobenzene
 Concen: 4.850 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.4	61.3
148	64.8	31.5	94.5

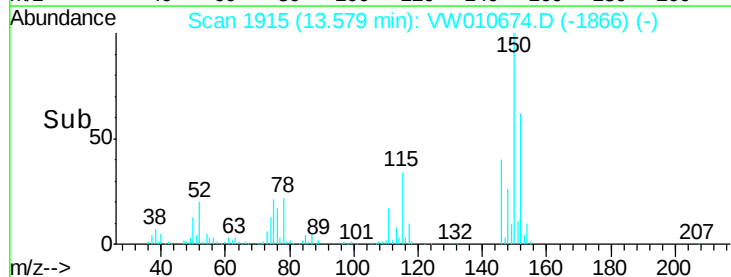
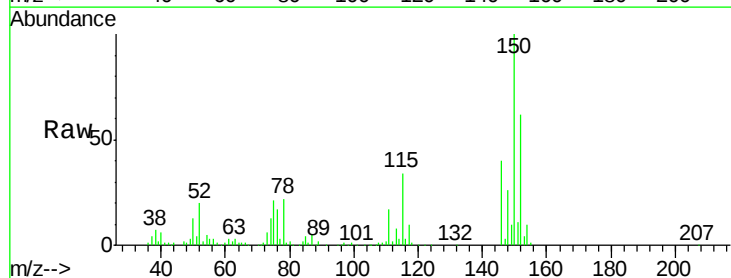
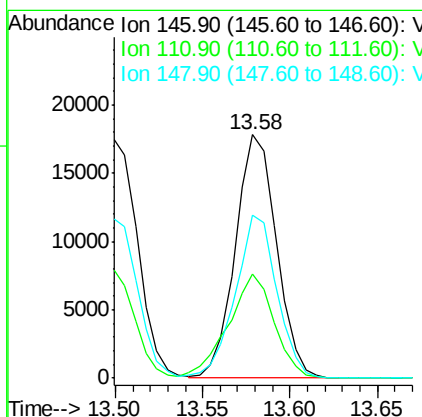
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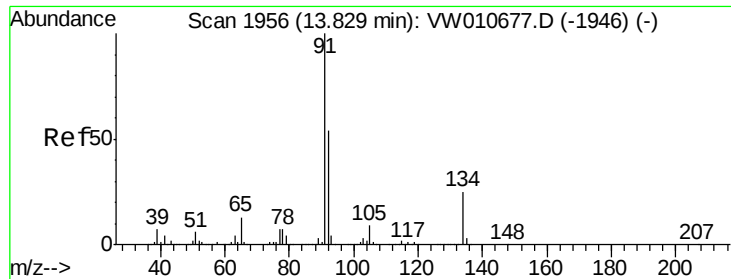
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#88
 1,4-Dichlorobenzene
 Concen: 4.997 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	20.3	60.9
148	67.7	32.4	97.2





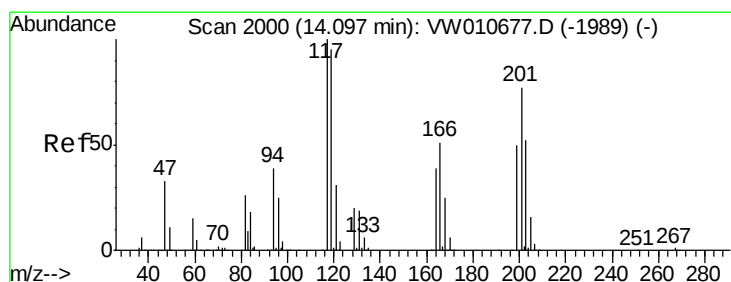
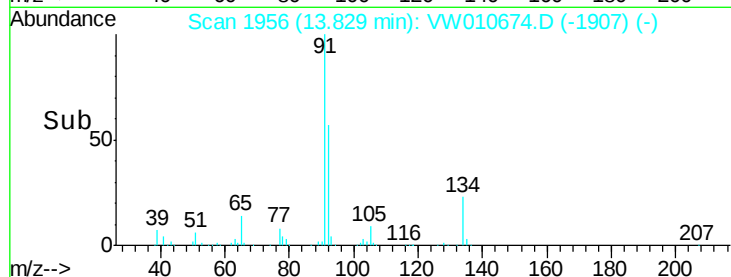
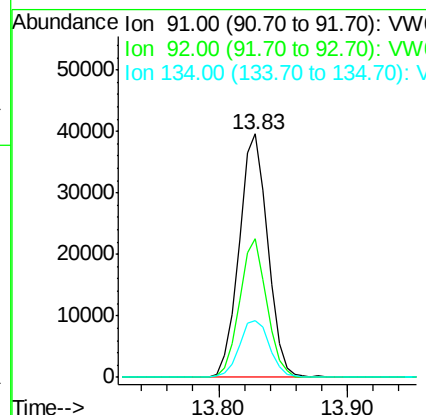
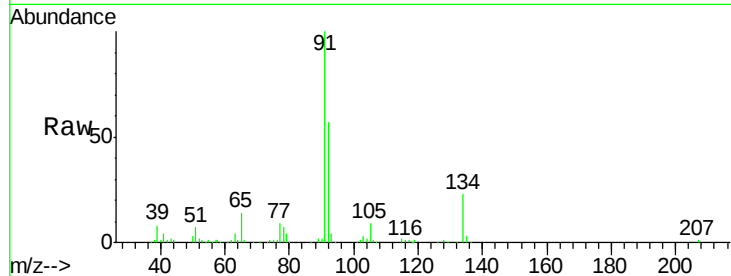
#89
n-Butylbenzene
Concen: 4.819 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.3	81.8
134	24.8	12.3	36.9

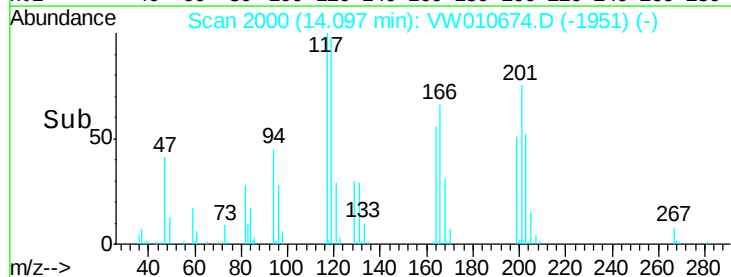
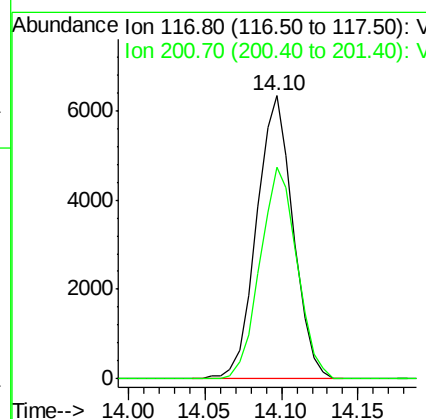
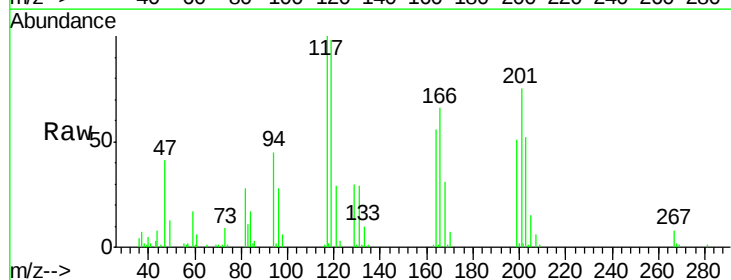
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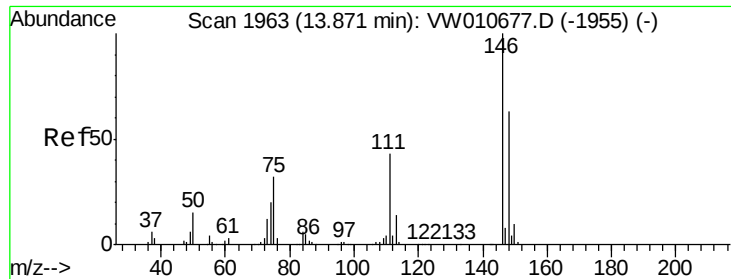
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#90
Hexachloroethane
Concen: 4.621 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW010674.D
Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	38.8	116.4





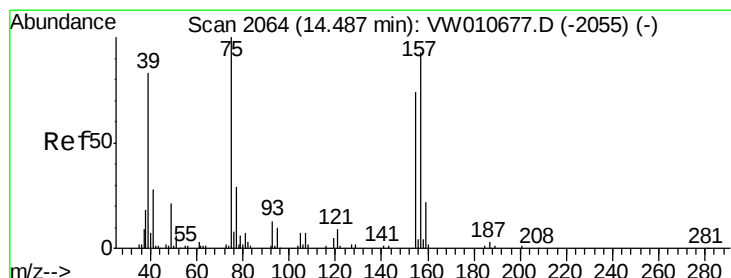
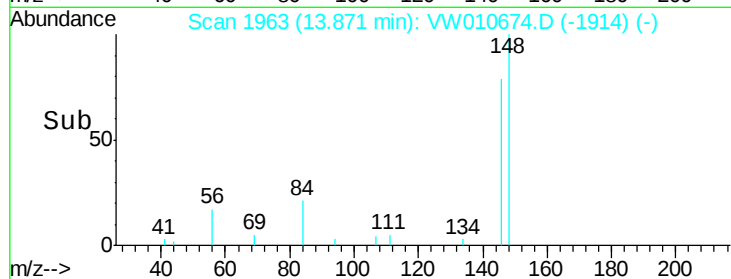
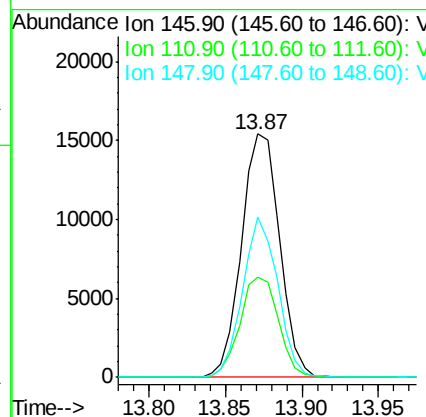
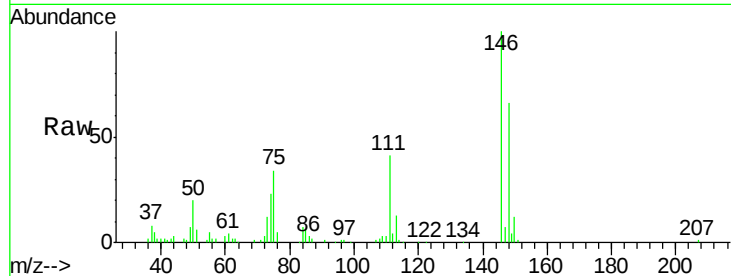
#91
 1,2-Dichlorobenzene
 Concen: 5.052 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.5	64.5
148	60.2	31.9	95.5

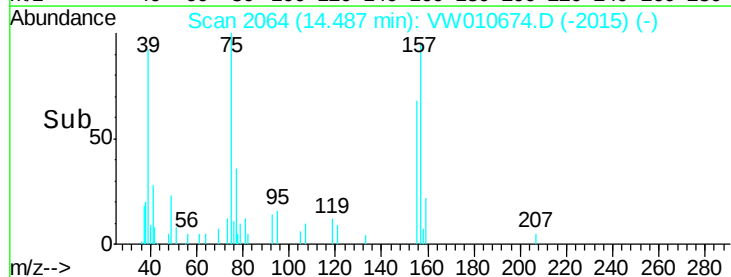
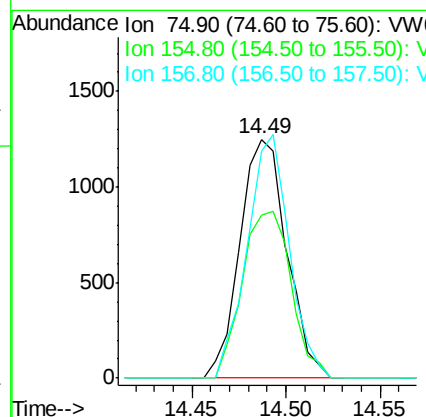
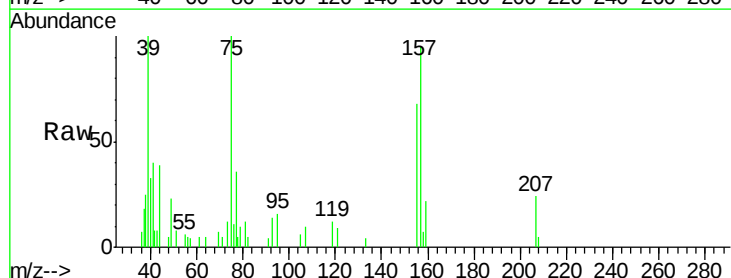
Manual Integrations
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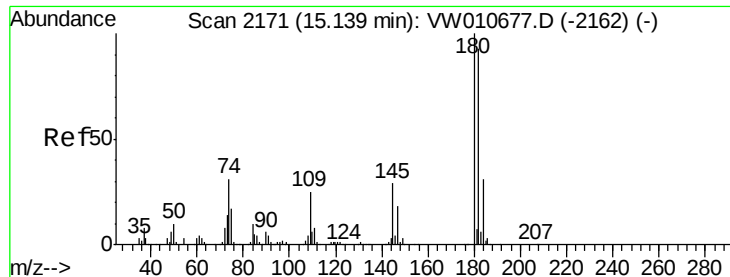
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.710 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	38.8	116.4
157	91.6	48.4	145.0





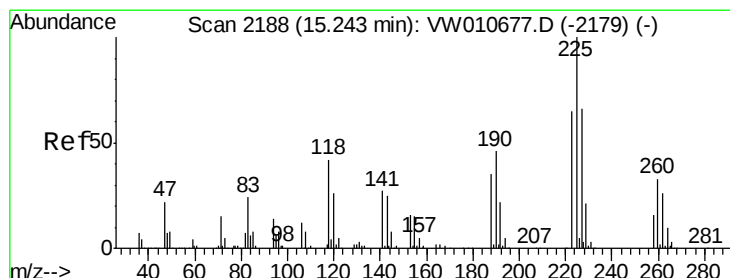
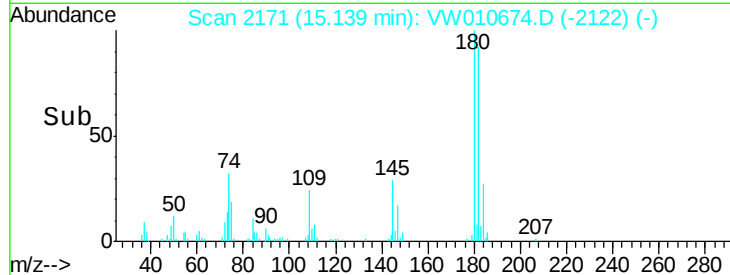
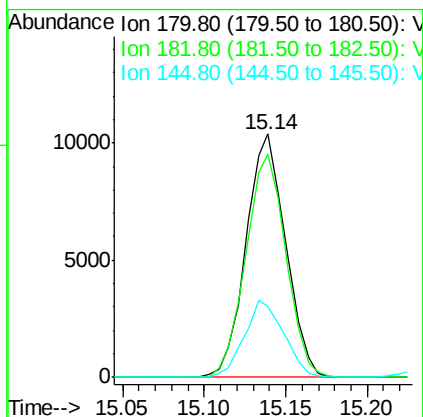
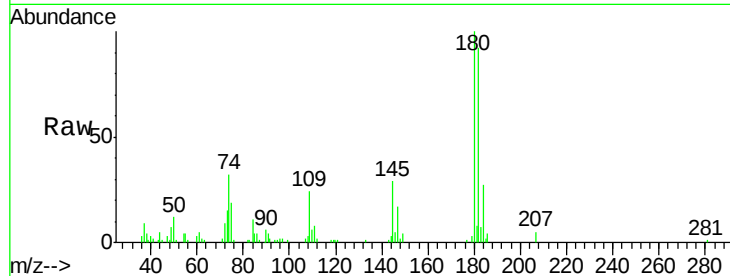
#93
 1,2,4-Trichlorobenzene
 Concen: 4.705 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	17485		
182	92.9	47.1	141.4	
145	31.5	15.2	45.5	

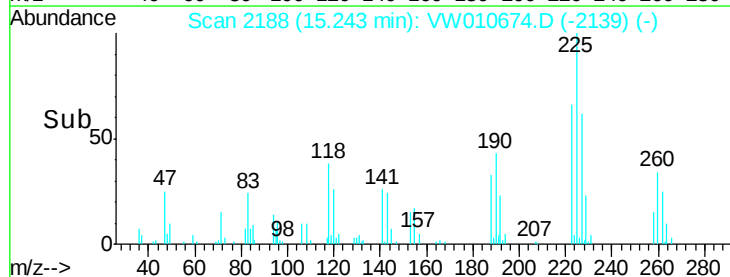
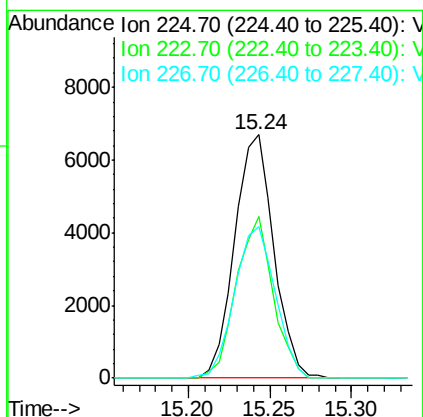
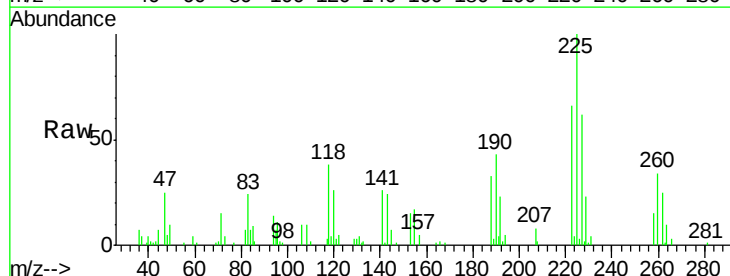
Manual Integrations
 APPROVED

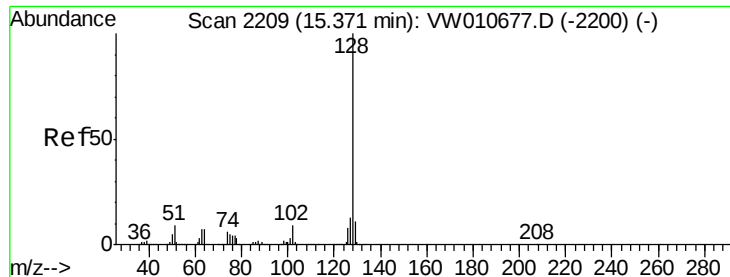
MMDadoda
 6/5/2019 3:04:50 PM



#94
 Hexachlorobutadiene
 Concen: 4.799 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010674.D
 Acq: 04 Jun 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11193		
223	62.5	32.2	96.6	
227	64.5	32.0	96.0	





#95

Naphthalene

Concen: 4.376 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Instrument :

MSVOA_W

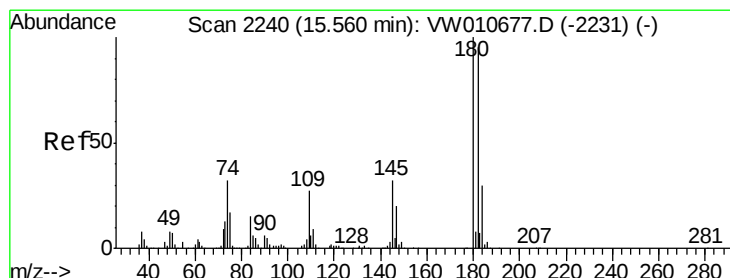
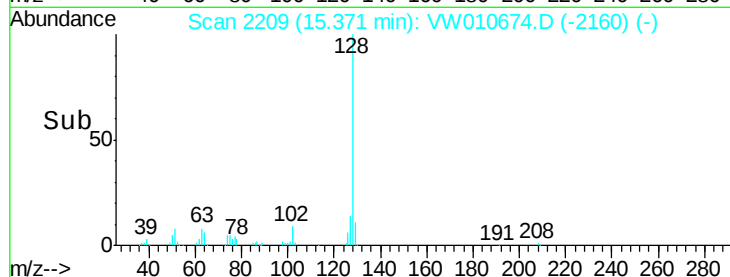
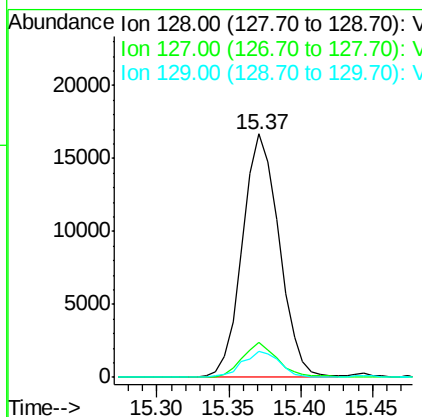
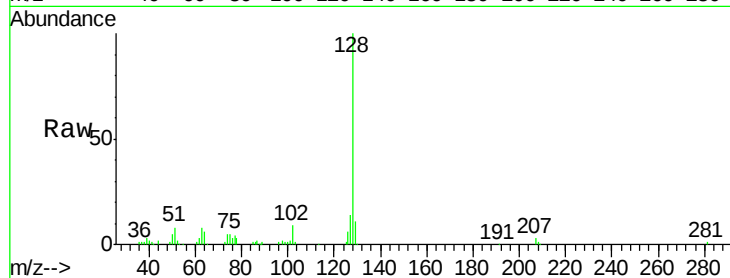
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	29544
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.6	15.8
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/5/2019 3:04:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 4.487 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW010674.D

Acq: 04 Jun 2019 14:21

Tgt Ion:	180	Resp:	14179
Ion Ratio	Lower	Upper	
180	100		
182	101.0	47.0	141.0
145	33.9	16.1	48.3

