

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010349.D
 Acq On : 09 May 2019 20:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:57 AM

Quant Time: May 10 03:37:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1379092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2282629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2104939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1039275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	794034	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	7.88	113	685538	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.32	98	2737861	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	988910	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	490459	46.391	ug/l	98
3) Chloromethane	2.21	50	704693	49.918	ug/l	98
4) Vinyl Chloride	2.37	62	870777	49.633	ug/l	98
5) Bromomethane	2.78	94	517019	51.103	ug/l	98
6) Chloroethane	2.92	64	535958	52.824	ug/l	95
7) Trichlorofluoromethane	3.25	101	368103	41.912	ug/l	97
8) Diethyl Ether	3.67	74	447305	57.933	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	714670	49.660	ug/l	98
10) Methyl Iodide	4.27	142	1064231	52.219	ug/l	95
11) Tert butyl alcohol	5.17	59	268465	259.281	ug/l	99
12) 1,1-Dichloroethene	4.04	96	746557	49.645	ug/l	94
13) Acrolein	3.89	56	294175	215.193	ug/l	96
14) Allyl chloride	4.66	41	1196005	53.280	ug/l	91
15) Acrylonitrile	5.36	53	1089817	254.657	ug/l	98
16) Acetone	4.12	43	947505	247.897	ug/l	96
17) Carbon Disulfide	4.38	76	2259725	49.684	ug/l	100
18) Methyl Acetate	4.67	43	481844	50.896	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	1094108	61.117	ug/l	98
20) Methylene Chloride	4.91	84	837401	52.528	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	857335	52.964	ug/l	98
22) Diisopropyl ether	6.31	45	2673670	61.371	ug/l	95
23) Vinyl Acetate	6.25	43	8812380	294.588	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1614253	55.035	ug/l	99
25) 2-Butanone	7.17	43	1528063	261.333	ug/l	97
26) 2,2-Dichloropropane	7.16	77	733313	50.250	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	941092	56.533	ug/l	96
28) Bromochloromethane	7.51	49	614648	56.840	ug/l	98
29) Tetrahydrofuran	7.52	42	1015803	268.590	ug/l	97
30) Chloroform	7.67	83	1557129	56.726	ug/l	98
31) Cyclohexane	7.95	56	1473080	49.050	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1115410	52.459	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1239729	50.090	ug/l	100
37) Ethyl Acetate	7.25	43	681174	51.691	ug/l	97
38) Carbon Tetrachloride	8.06	117	1056647	49.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1519051	50.172	ug/l	96
40) Benzene	8.32	78	3573965	52.728	ug/l	99
41) Methacrylonitrile	7.48	41	391597	52.988	ug/l	96
42) 1,2-Dichloroethane	8.40	62	1080811	55.707	ug/l	97
43) Isopropyl Acetate	8.43	43	1200656	54.937	ug/l	98
44) Trichloroethene	9.09	130	855017	50.387	ug/l	98
45) 1,2-Dichloropropane	9.37	63	932453	55.344	ug/l	97
46) Dibromomethane	9.46	93	472242	54.255	ug/l	99
47) Bromodichloromethane	9.64	83	1171766	56.122	ug/l	99
48) Methyl methacrylate	9.43	41	580335	56.160	ug/l	89
49) 1,4-Dioxane	9.45	88	167636	1104.386	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3392481	270.710	ug/l	94
52) Toluene	10.38	92	2223231	53.663	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1204085	56.934	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1412684	56.402	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	683309	55.272	ug/l	98
56) Ethyl methacrylate	10.65	69	983371	60.236	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1243053	56.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	2239072	286.460	ug/l	99
59) 2-Hexanone	10.97	43	2367996	267.256	ug/l	92
60) Dibromochloromethane	11.13	129	753433	56.637	ug/l	100
61) 1,2-Dibromoethane	11.24	107	654387	55.140	ug/l	99
64) Tetrachloroethene	10.86	164	766337	52.089	ug/l	99
65) Chlorobenzene	11.66	112	2266786	52.023	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	798709	54.234	ug/l	98
67) Ethyl Benzene	11.73	91	4252848	53.055	ug/l	99
68) m/p-Xylenes	11.84	106	3158456	106.051	ug/l	98
69) o-Xylene	12.16	106	1474979	54.748	ug/l	98
70) Styrene	12.18	104	2637409	56.183	ug/l	98
71) Bromoform	12.35	173	442923	52.611	ug/l #	98
73) Isopropylbenzene	12.46	105	3995048	52.738	ug/l	100
74) N-amyl acetate	12.27	43	1135197	58.005	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	857577	51.379	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	608277m	50.200	ug/l	
77) Bromobenzene	12.75	156	920383	53.809	ug/l	98
78) n-propylbenzene	12.80	91	4884059	52.202	ug/l	100
79) 2-Chlorotoluene	12.90	91	2803923	52.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3397587	53.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	271954	50.685	ug/l	93
82) 4-Chlorotoluene	12.99	91	2942053	52.700	ug/l	99
83) tert-Butylbenzene	13.21	119	2808619	52.726	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3427301	54.006	ug/l	100
85) sec-Butylbenzene	13.38	105	4050776	51.513	ug/l	100
86) p-Isopropyltoluene	13.50	119	3631016	52.006	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1786362	52.301	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1752187	51.694	ug/l	100
89) n-Butylbenzene	13.83	91	3545615	50.647	ug/l	97
90) Hexachloroethane	14.10	117	656021	50.659	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1606721	53.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	143296	47.675	ug/l	95

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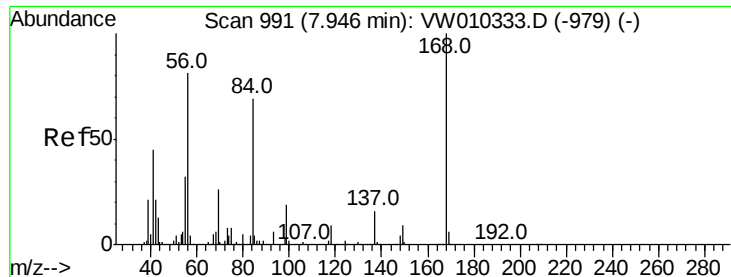
Manual Integrations
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QLast Update : Thu May 09 13:55:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1084320	52.548	ug/l	99
94) Hexachlorobutadiene	15.24	225	631019	47.702	ug/l	99
95) Naphthalene	15.37	128	2312675	49.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	993611	53.301	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050EC

Tot Ion:168 Resp: 1379092

Ion Ratio Lower Upper

168 100

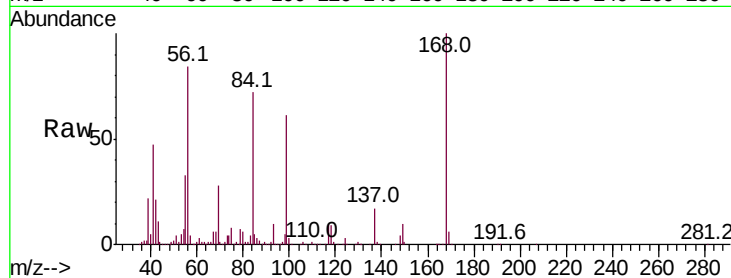
99 60.8 48.4 72.6

Manual Integrations

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5/10/2019 10:07:57 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

600000

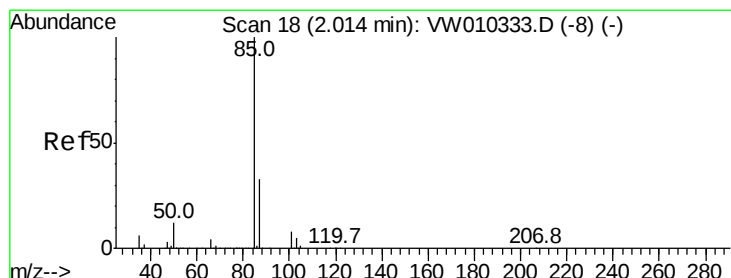
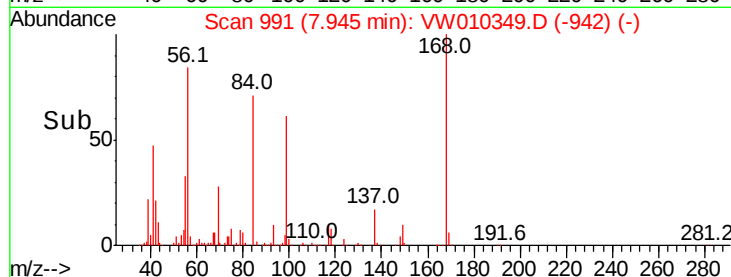
400000

200000

0

7.95

Time-->



#2

Dichlorodifluoromethane

Concen: 46.391 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010349.D

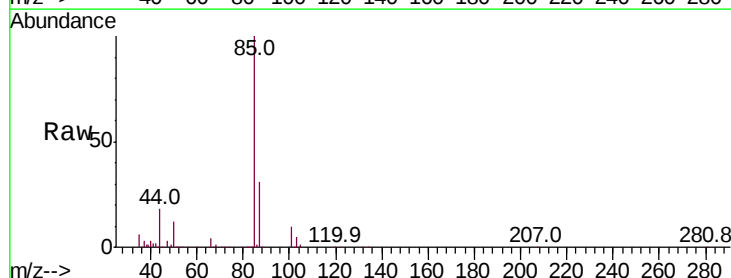
Acq: 09 May 2019 20:58

Tgt Ion: 85 Resp: 490459

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

150000

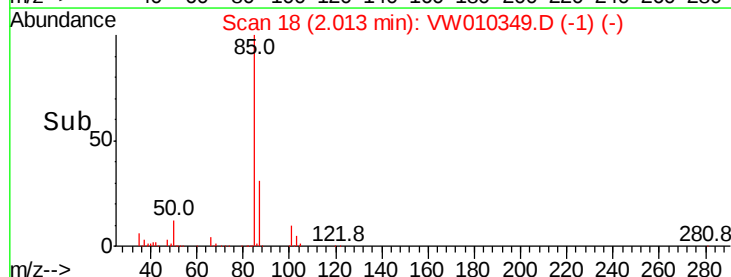
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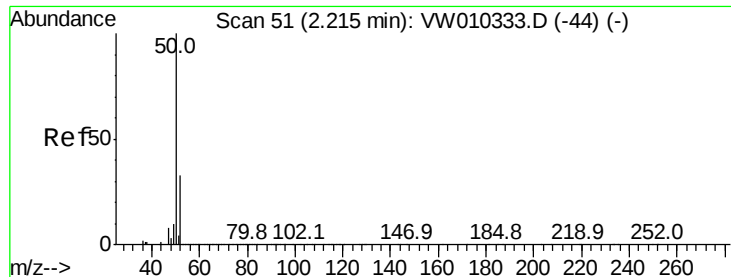
50000

0

2.01

Time-->





#3

Chloromethane

Concen: 49.918 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 704693

Ion Ratio Lower Upper

50 100

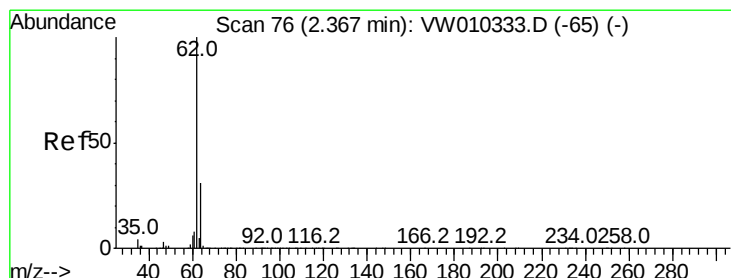
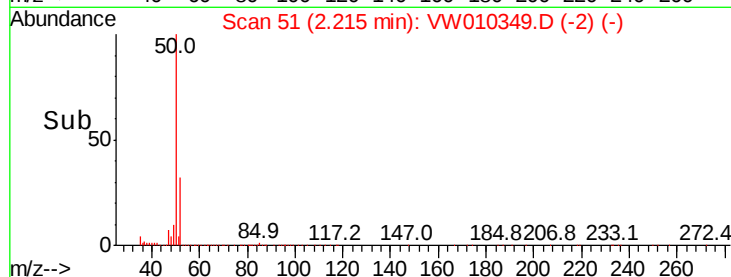
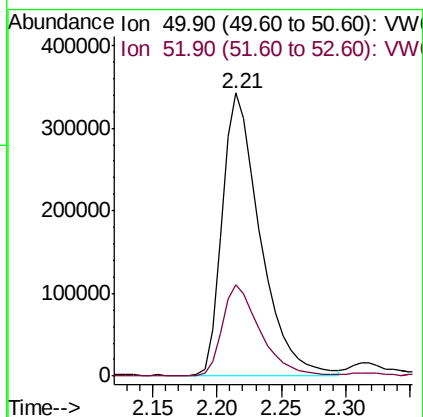
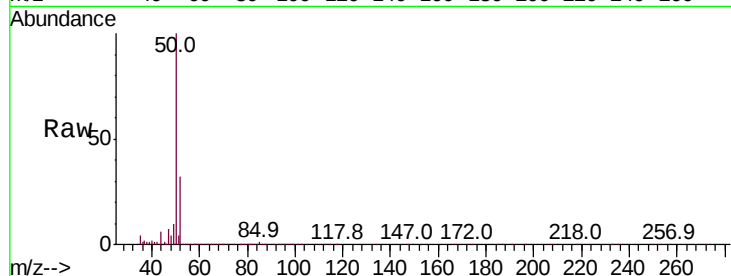
52 32.4 25.0 37.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.633 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW010349.D

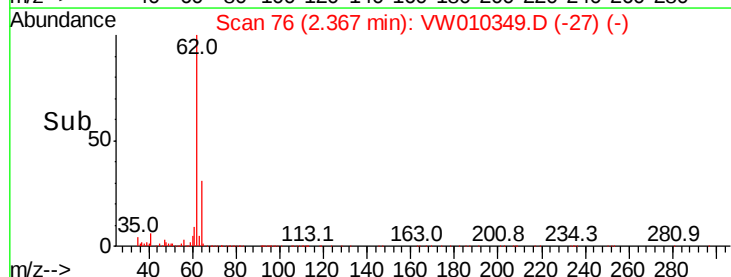
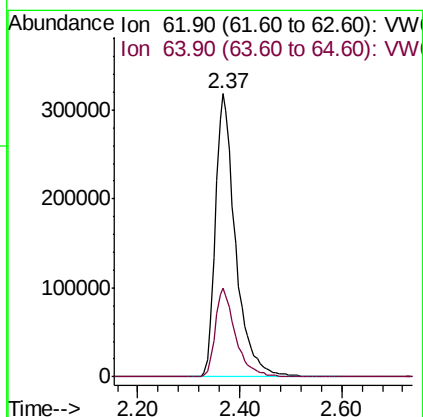
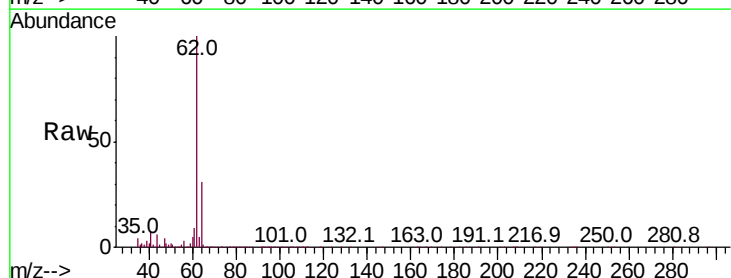
Acq: 09 May 2019 20:58

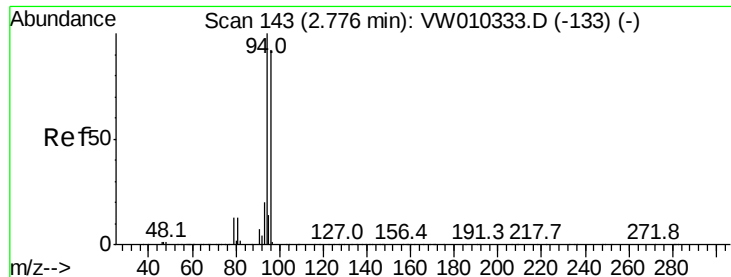
Tgt Ion: 62 Resp: 870777

Ion Ratio Lower Upper

62 100

64 31.2 25.9 38.9





#5

Bromomethane

Concen: 51.103 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 517019

Ion Ratio Lower Upper

94 100

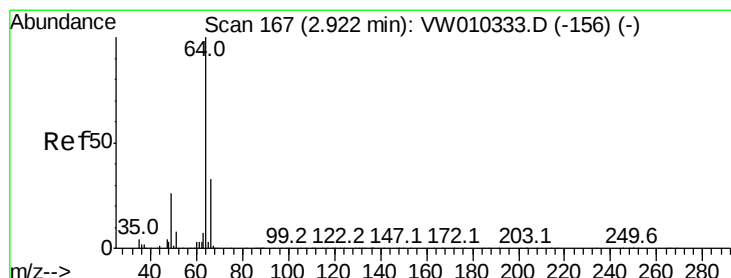
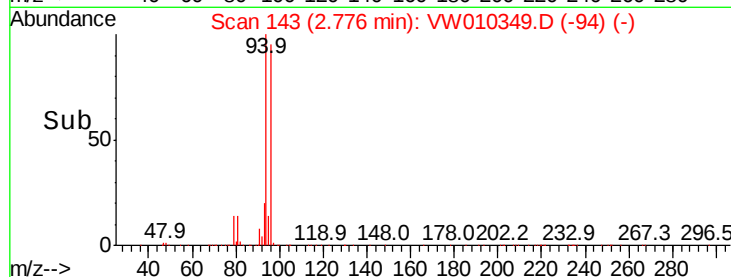
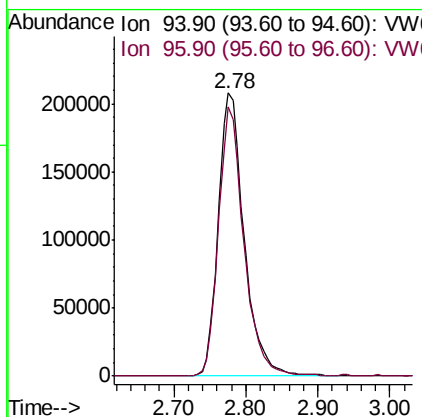
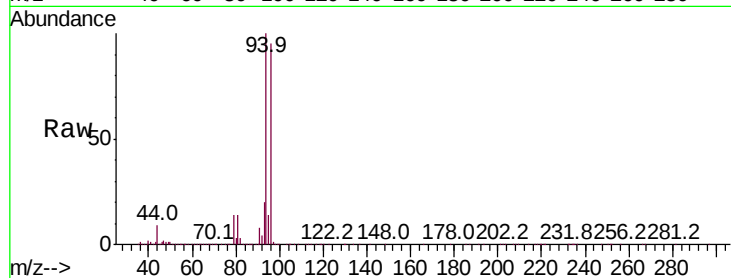
96 95.0 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 52.824 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW010349.D

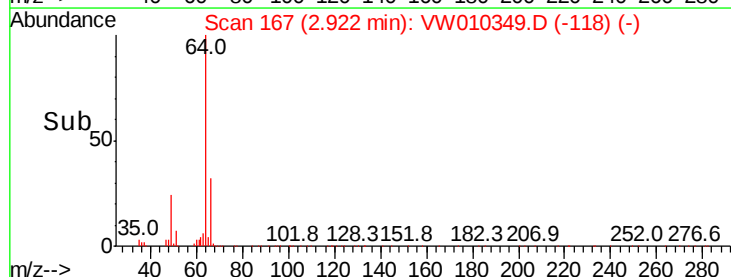
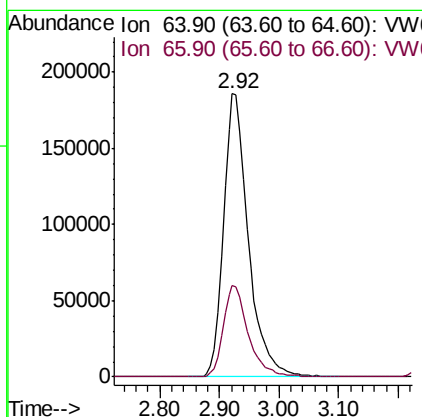
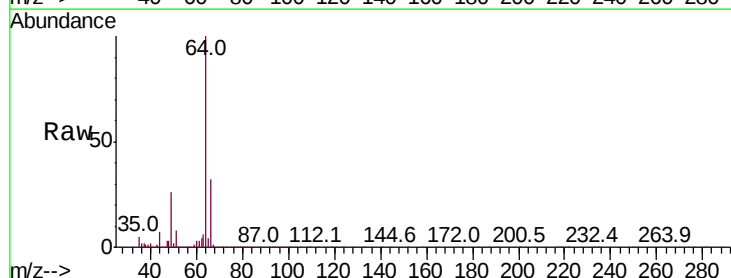
Acq: 09 May 2019 20:58

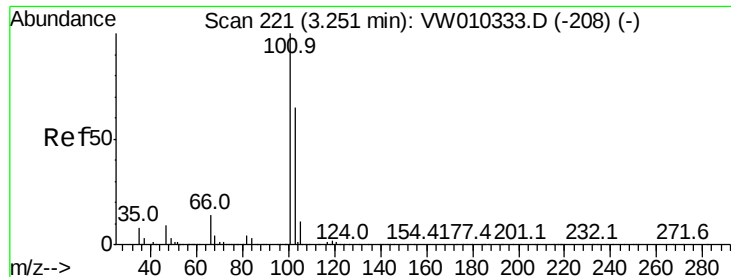
Tgt Ion: 64 Resp: 535958

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.0





#7

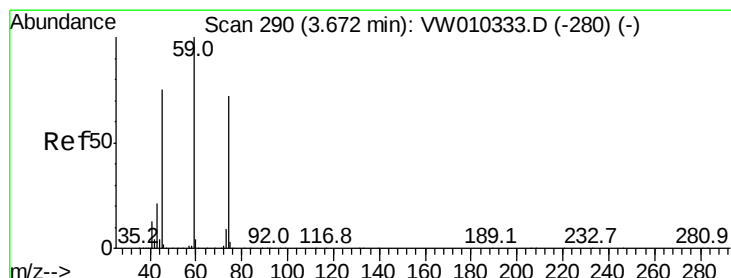
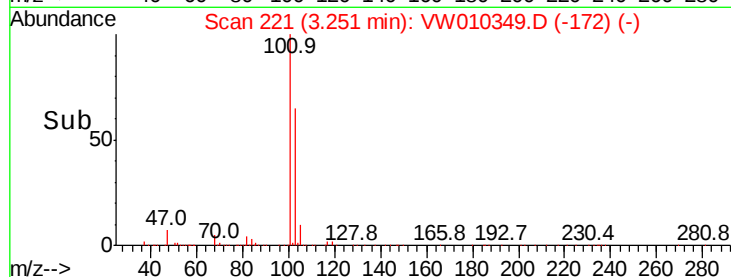
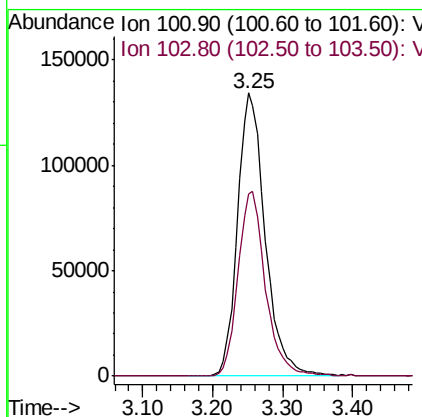
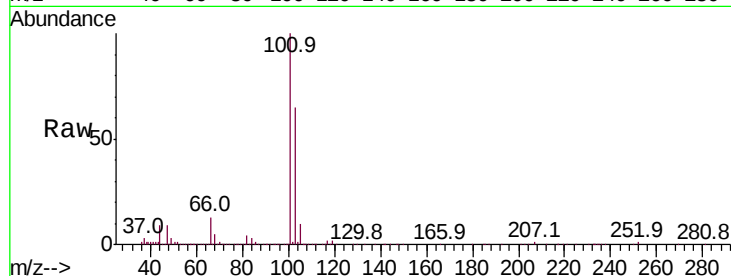
Trichlorofluoromethane
 Concen: 41.912 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	49.8	74.6

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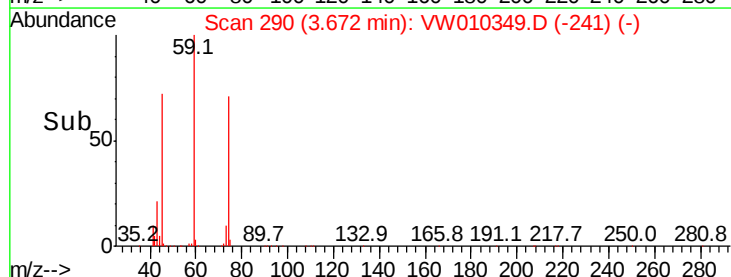
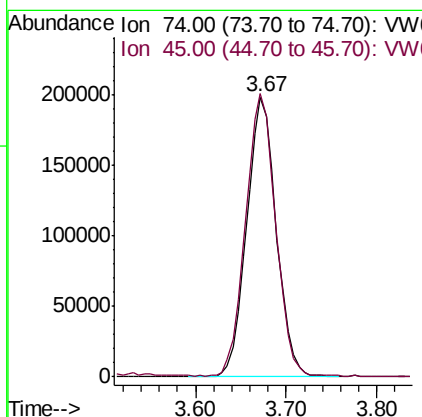
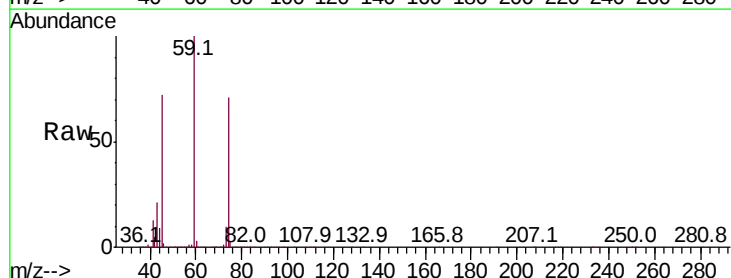
MMDadoda
 5/10/2019 10:07:57 AM

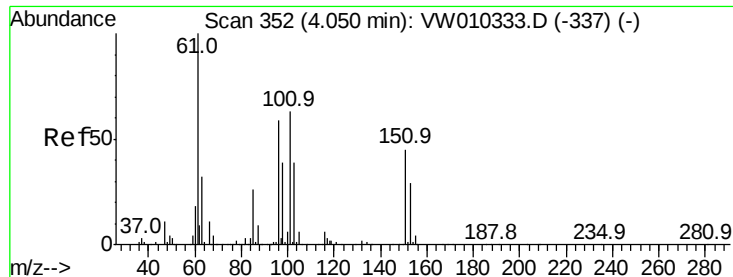


#8

Diethyl Ether
 Concen: 57.933 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	56.0	168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.660 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

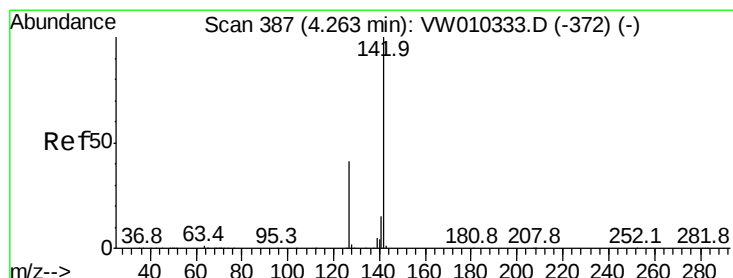
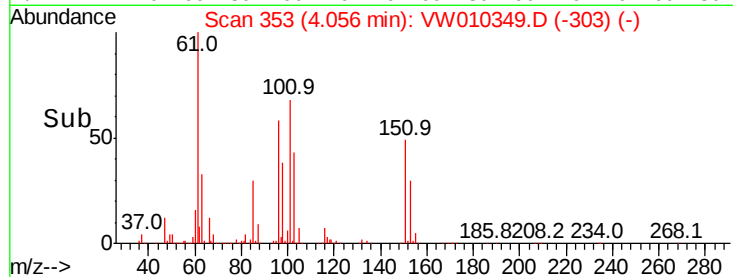
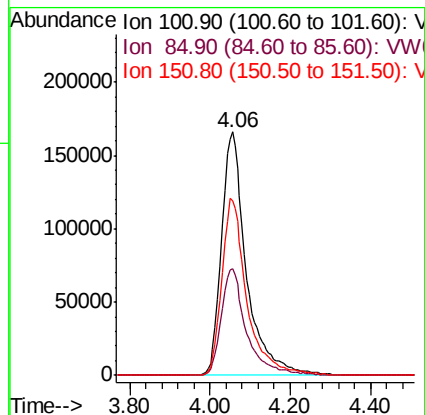
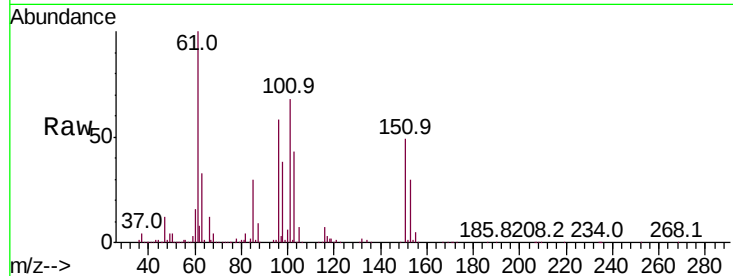
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	714670
Ion Ratio	Lower	Upper	
101	100		
85	44.2	36.3	54.5
151	72.9	60.2	90.2

Manual Integrations
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5/10/2019 10:07:57 AM



#10

Methyl Iodide

Concen: 52.219 ug/l

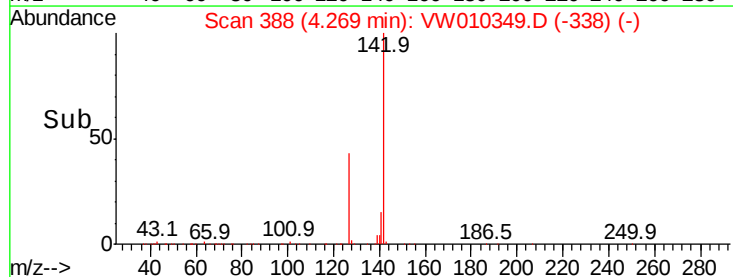
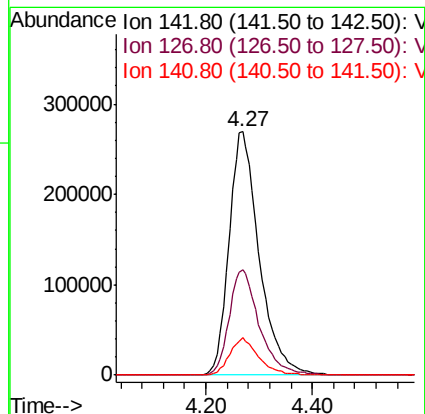
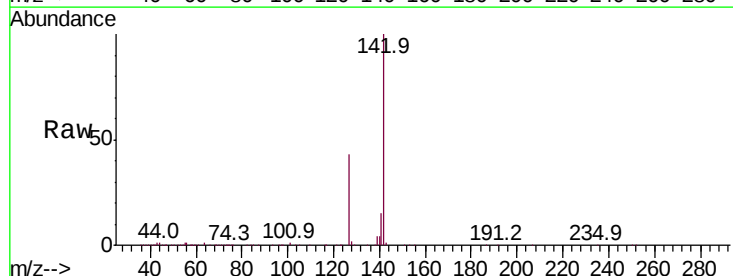
RT: 4.27 min Scan# 388

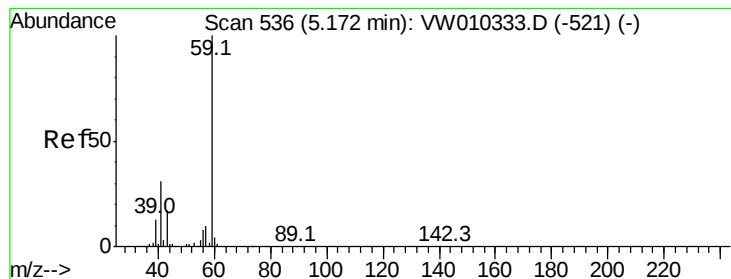
Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion:	142	Resp:	1064231
Ion Ratio	Lower	Upper	
142	100		
127	43.3	38.1	57.1
141	14.7	12.2	18.2





#11

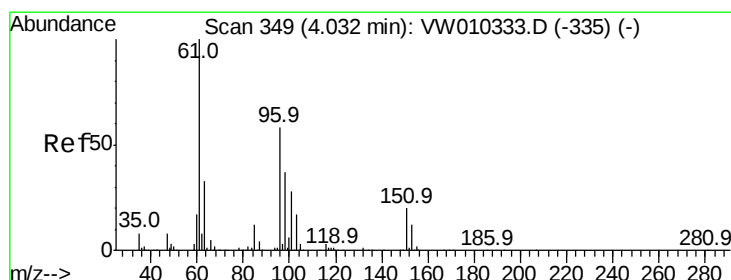
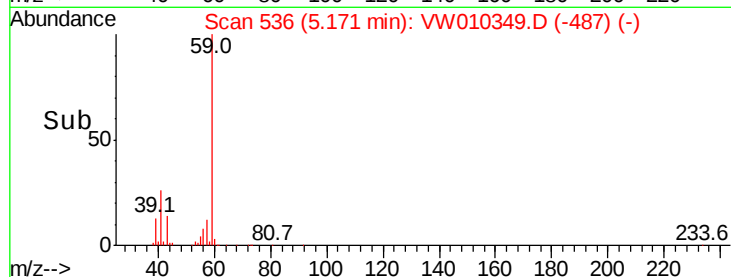
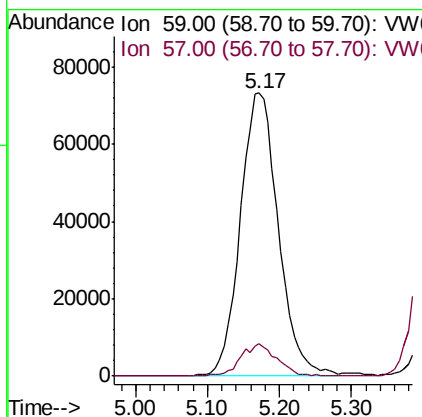
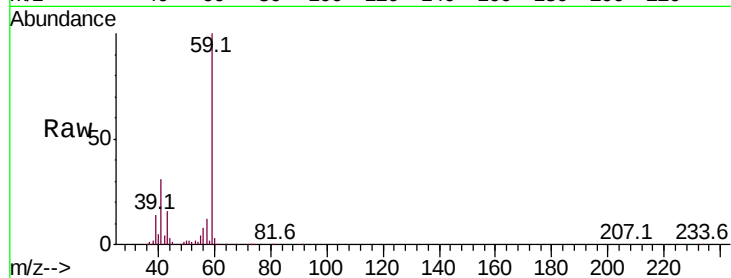
Tert butyl alcohol
 Concen: 259.281 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	268465
Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.0	13.4

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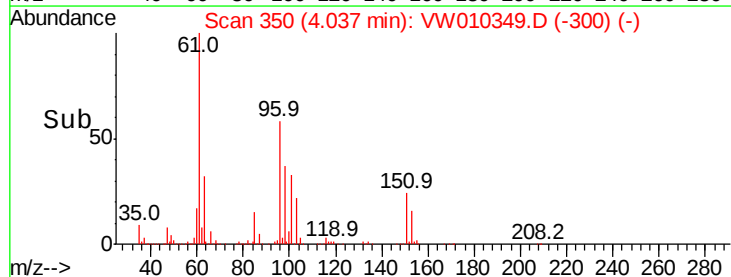
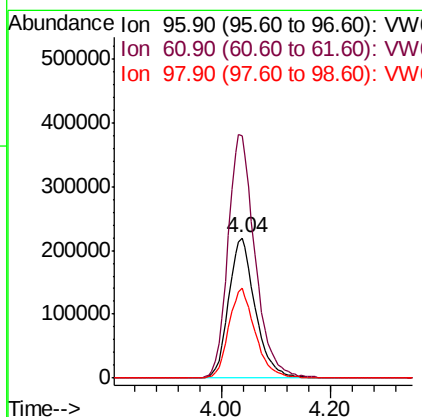
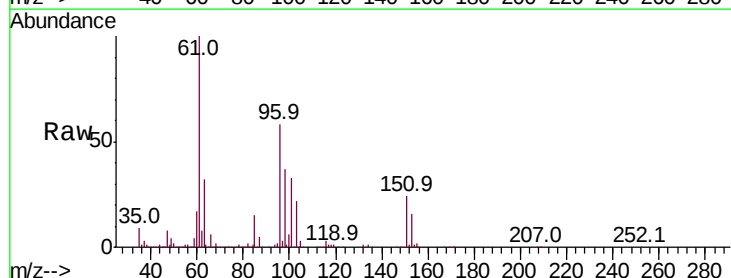
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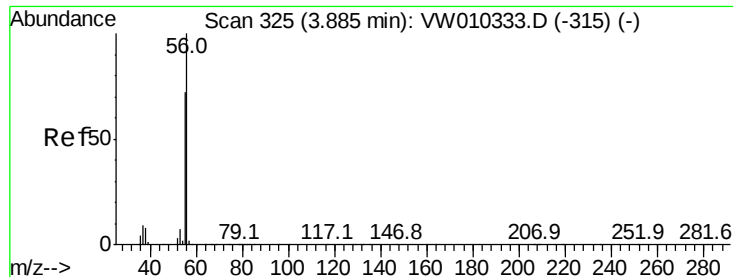


#12

1,1-Dichloroethene
 Concen: 49.645 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	96	Resp	746557
Ion	Ratio	Lower	Upper
96	100		
61	172.9	147.4	221.2
98	63.7	49.7	74.5





#13

Acrolein

Concen: 215.193 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 294175

Ion Ratio Lower Upper

56 100

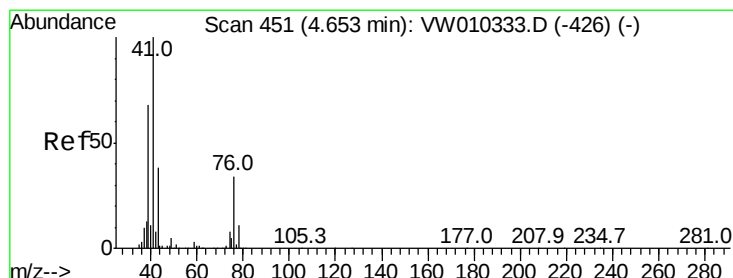
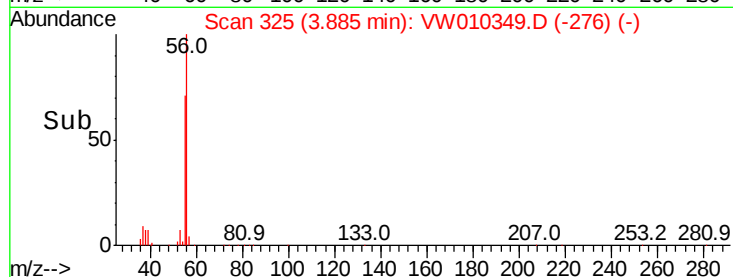
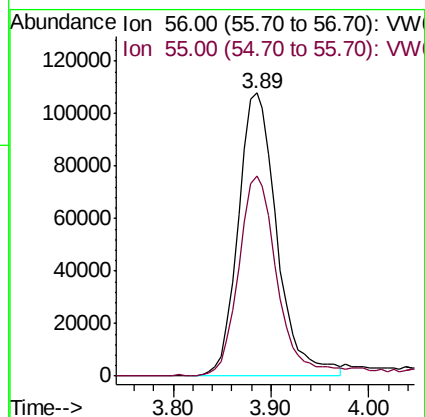
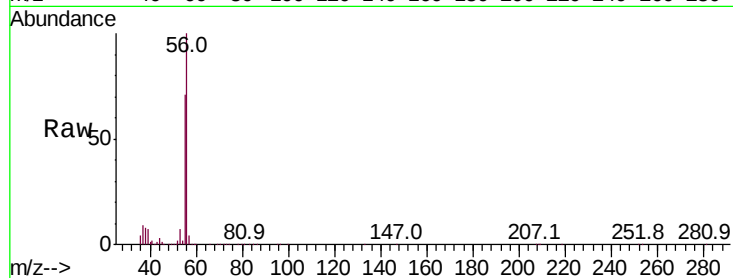
55 70.7 54.2 81.2

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#14

Allyl chloride

Concen: 53.280 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

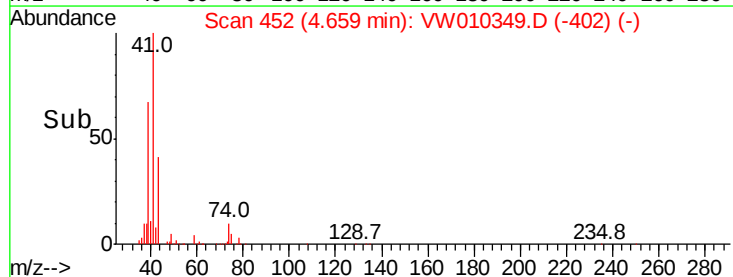
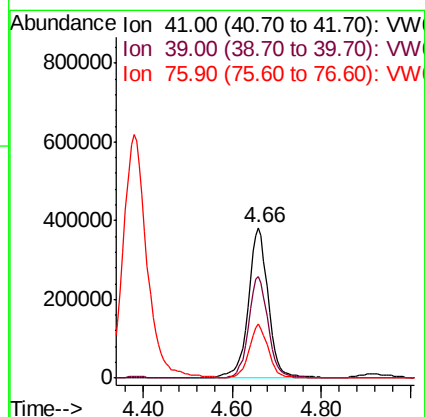
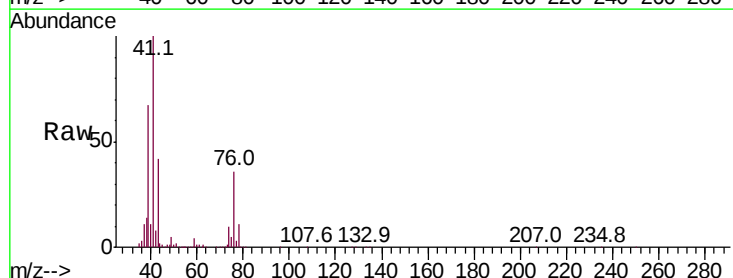
Tgt Ion: 41 Resp: 1196005

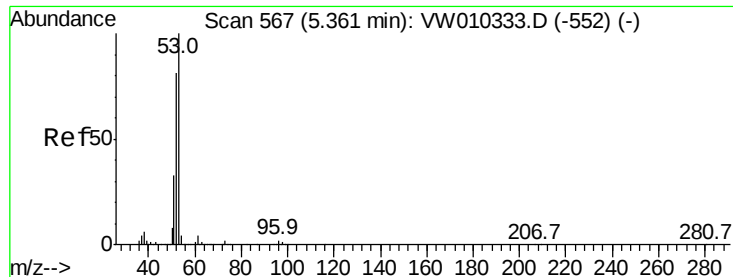
Ion Ratio Lower Upper

41 100

39 66.6 60.2 90.4

76 33.7 25.0 37.6





#15

Acrylonitrile

Concen: 254.657 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 1089817

Ion Ratio Lower Upper

53 100

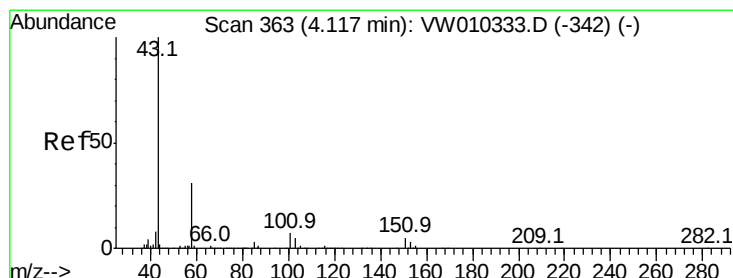
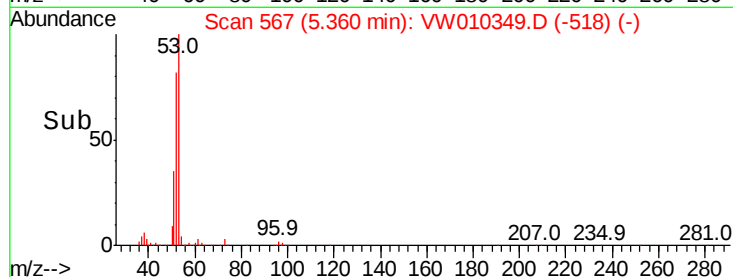
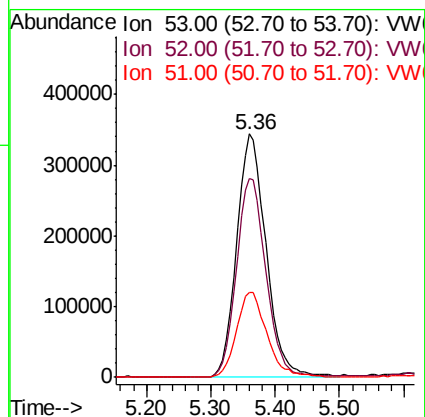
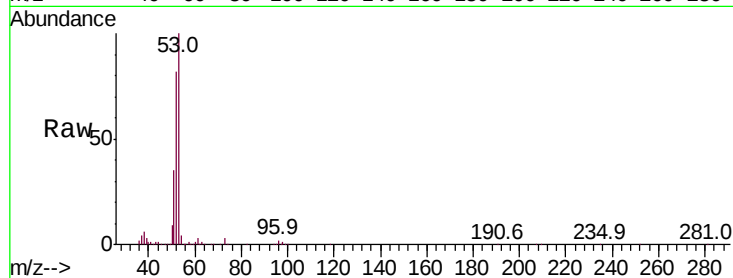
52 82.3 66.6 100.0

51 36.3 30.3 45.5

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#16

Acetone

Concen: 247.897 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW010349.D

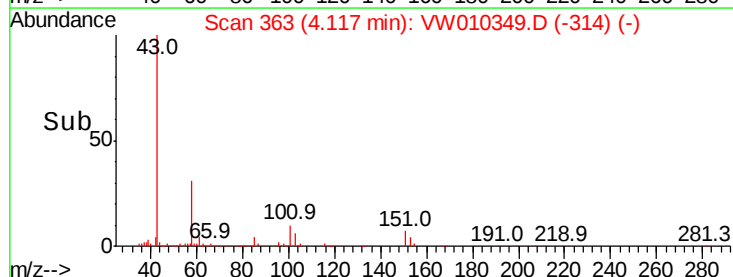
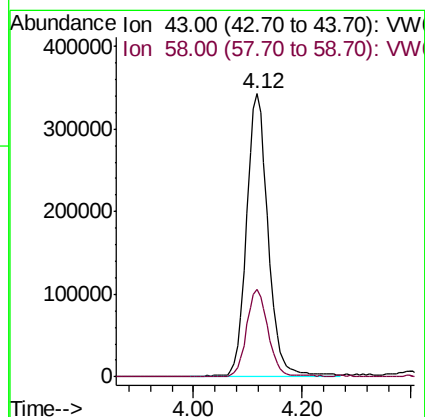
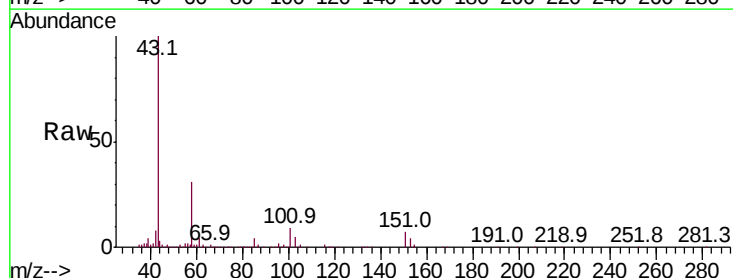
Acq: 09 May 2019 20:58

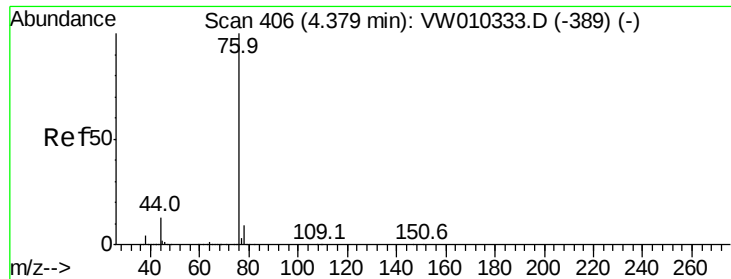
Tgt Ion: 43 Resp: 947505

Ion Ratio Lower Upper

43 100

58 30.6 22.7 34.1





#17

Carbon Disulfide

Concen: 49.684 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

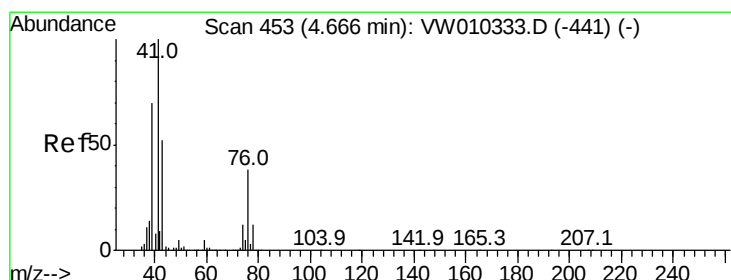
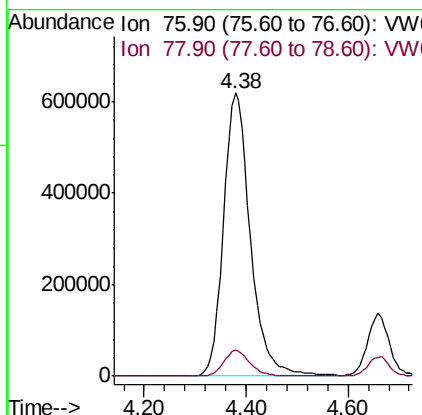
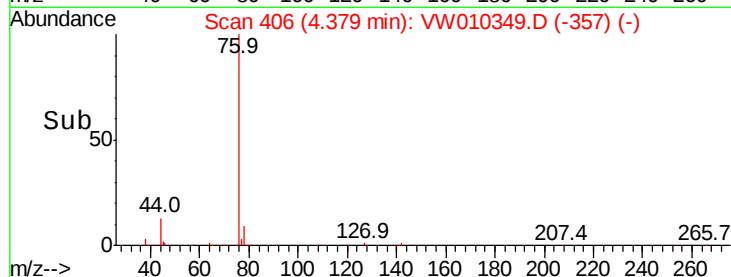
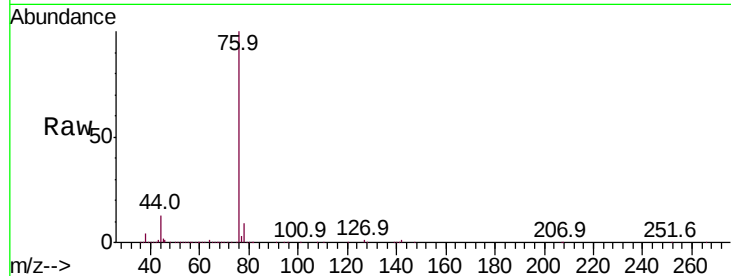
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 2259725

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.2

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#18

Methyl Acetate

Concen: 50.896 ug/l

RT: 4.67 min Scan# 453

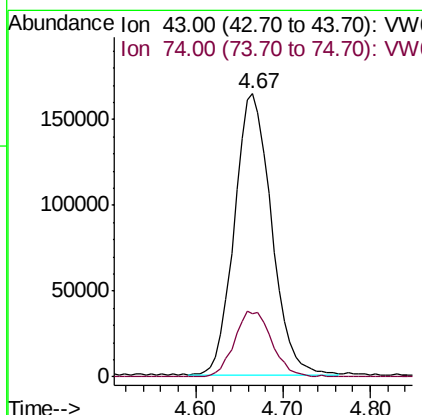
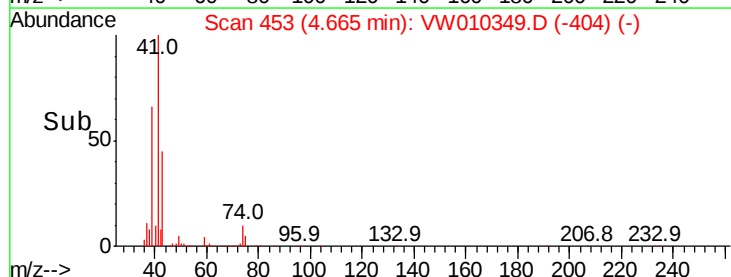
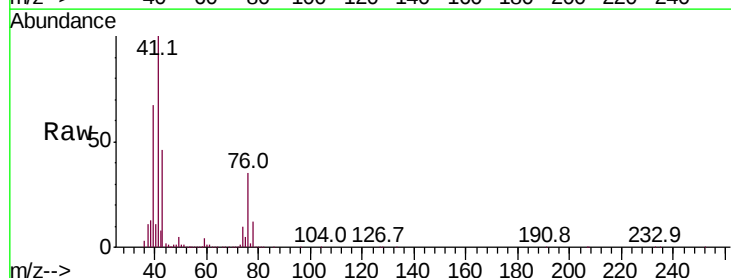
Delta R.T. -0.00 min

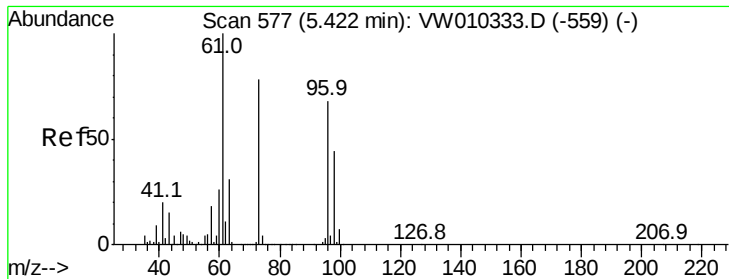
Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 43 Resp: 481844

Ion	Ratio	Lower	Upper
43	100		
74	23.8	16.8	25.2





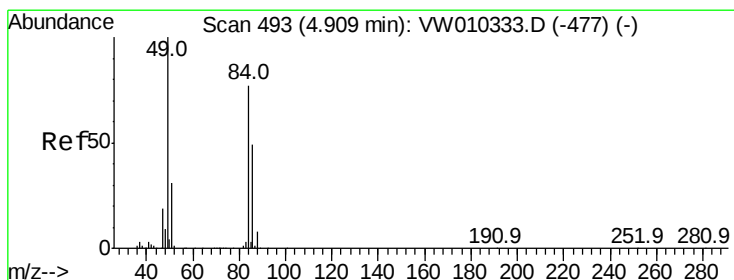
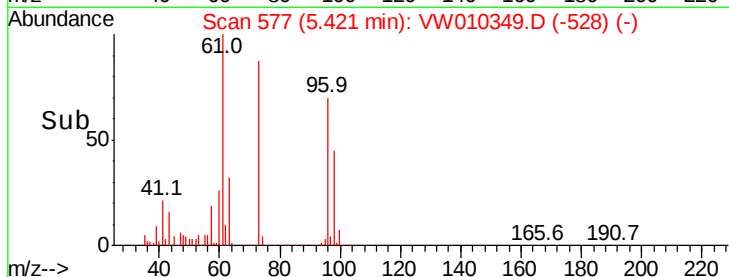
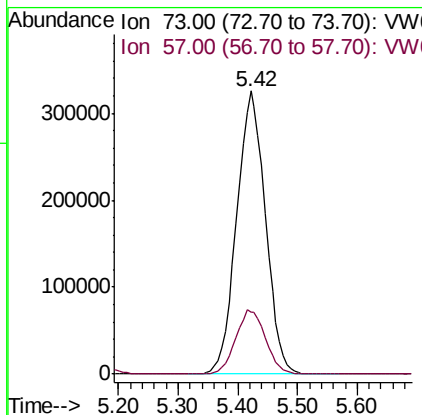
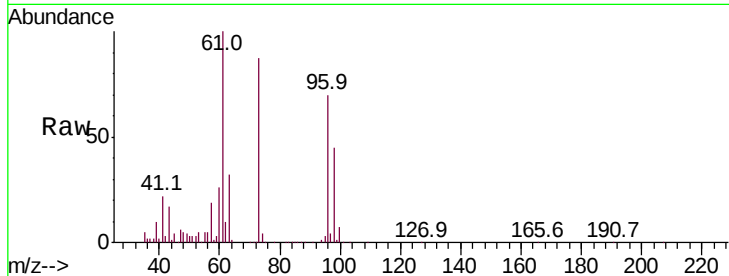
#19
Methyl tert-butyl Ether
Concen: 61.117 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1094108
Ion Ratio Lower Upper
73 100
57 21.9 18.5 27.7

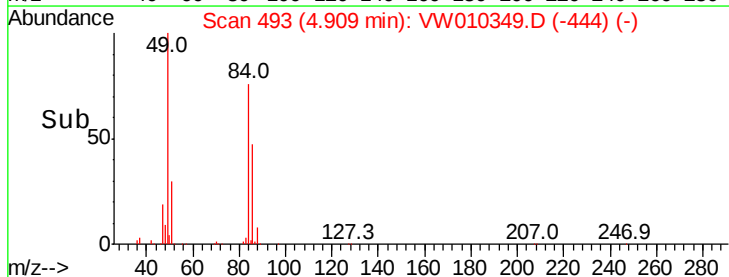
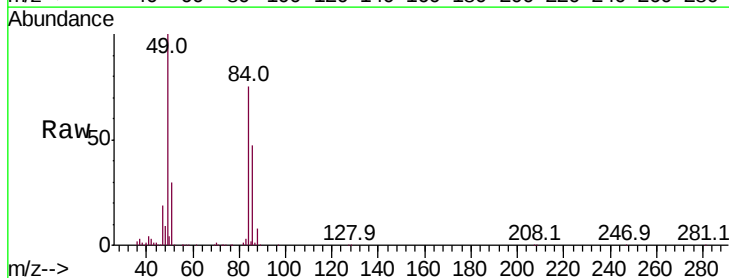
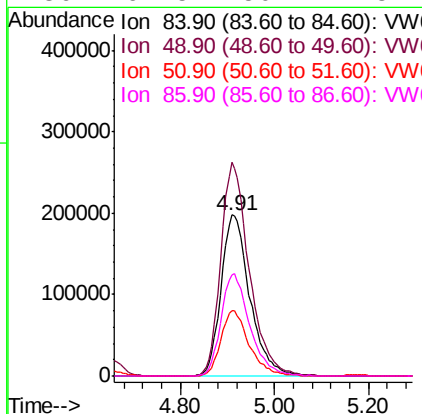
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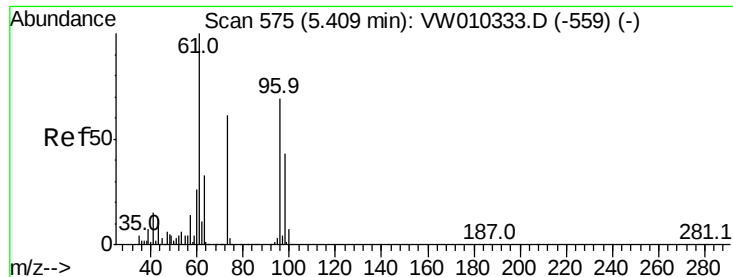
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#20
Methylene Chloride
Concen: 52.528 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 84 Resp: 837401
Ion Ratio Lower Upper
84 100
49 132.5 112.3 168.5
51 40.2 33.9 50.9
86 62.5 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 52.964 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 857335

Ion Ratio Lower Upper

96 100

61 150.6 122.3 183.5

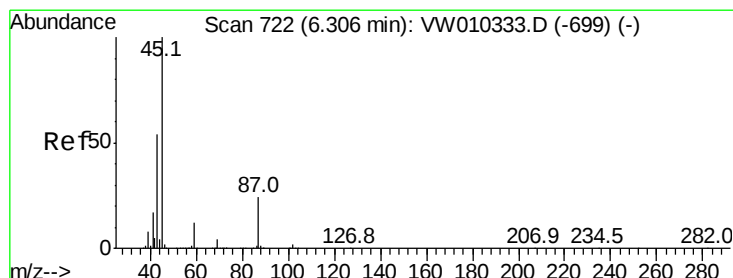
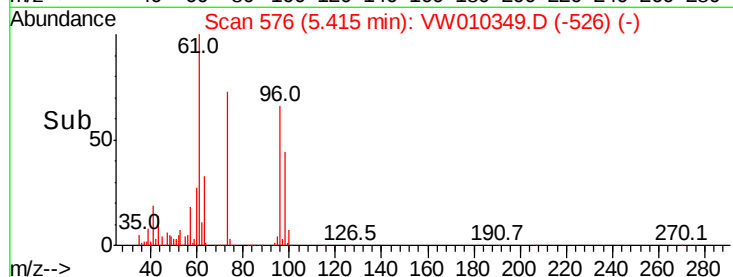
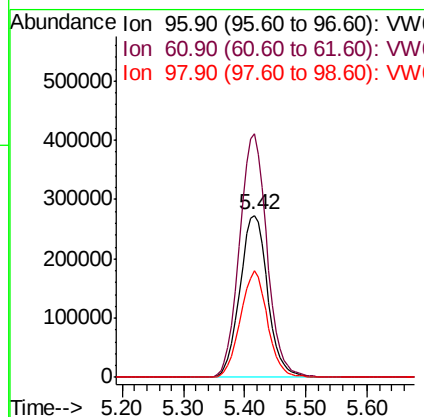
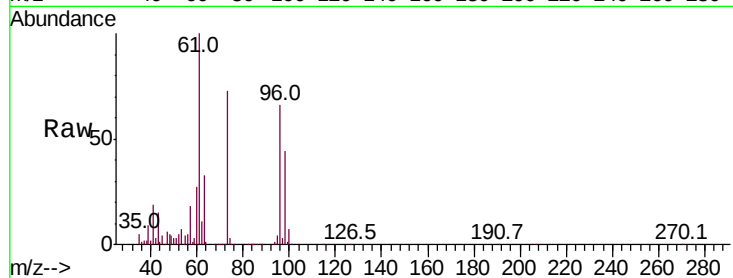
98 65.6 50.5 75.7

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#22

Diisopropyl ether

Concen: 61.371 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 45 Resp: 2673670

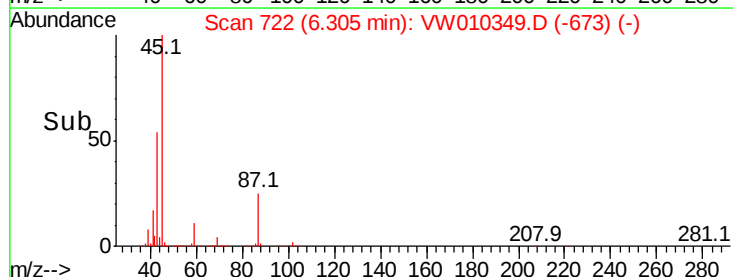
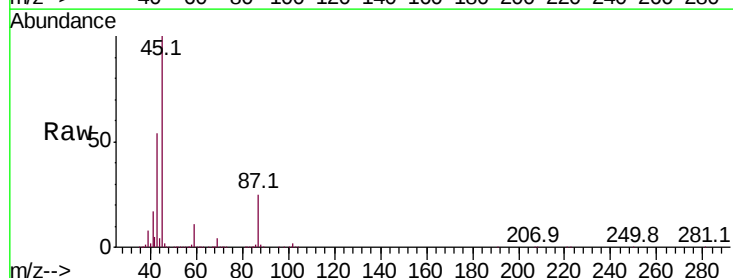
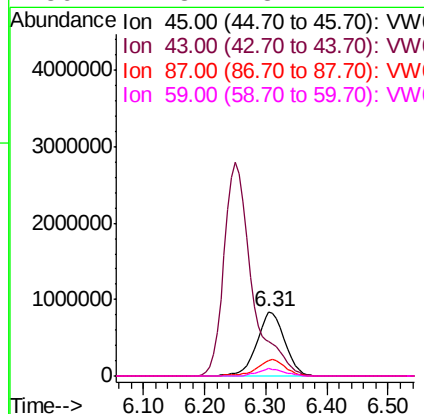
Ion Ratio Lower Upper

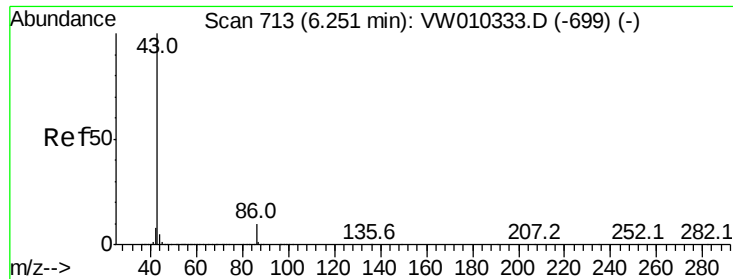
45 100

43 53.6 46.1 69.1

87 24.6 18.3 27.5

59 11.3 8.2 12.4





#23

Vinyl Acetate

Concen: 294.588 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 8812380

Ion Ratio Lower Upper

43 100

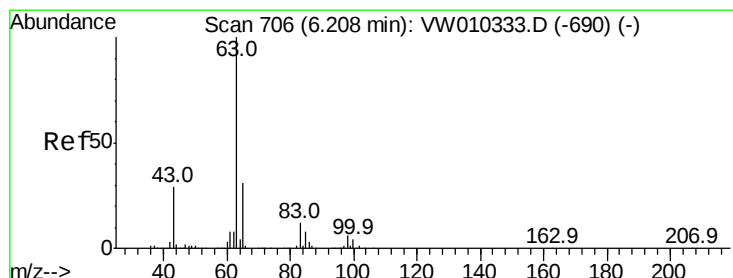
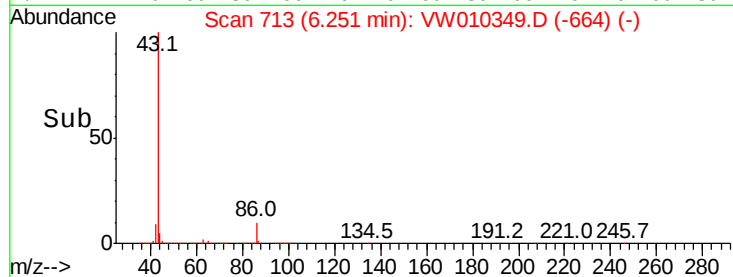
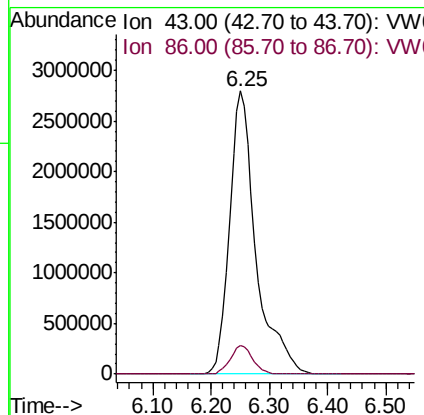
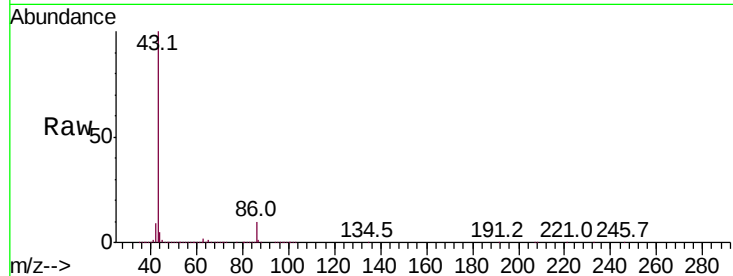
86 10.2 7.0 10.6

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#24

1,1-Dichloroethane

Concen: 55.035 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

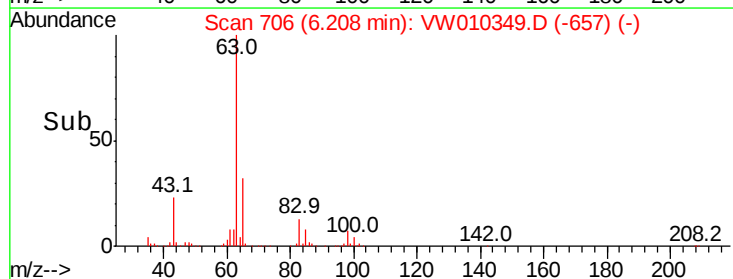
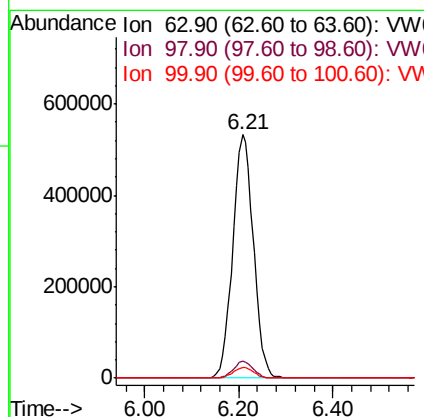
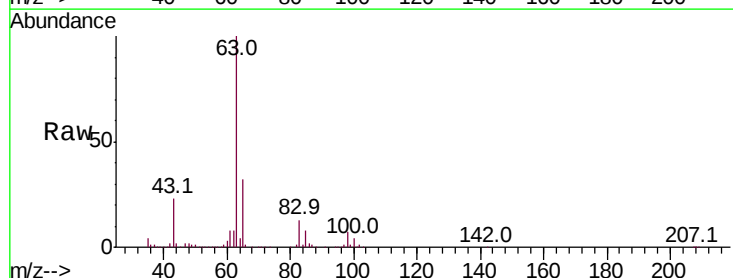
Tgt Ion: 63 Resp: 1614253

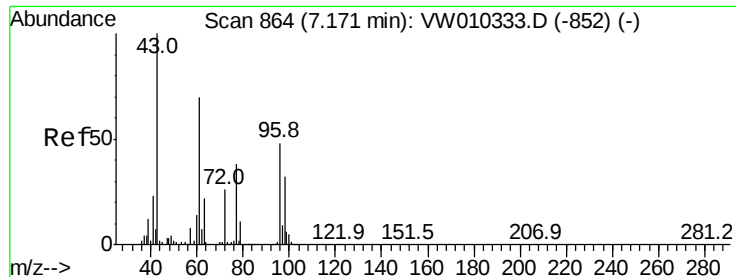
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 261.333 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1528063

Ion Ratio Lower Upper

43 100

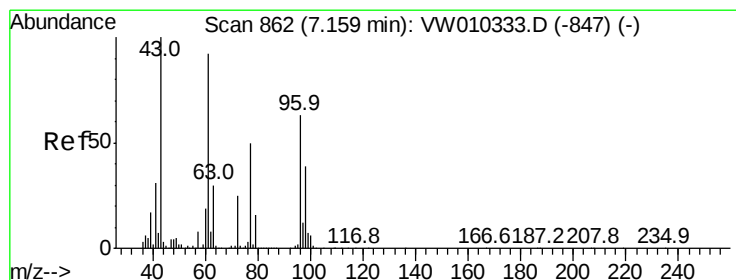
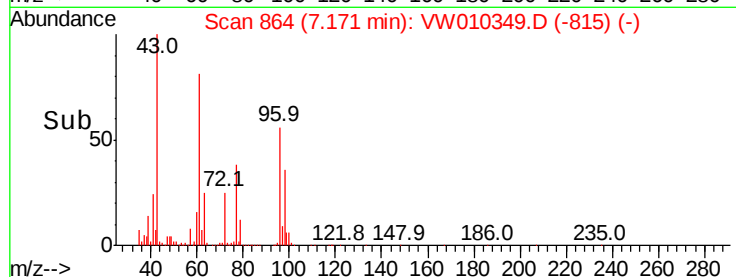
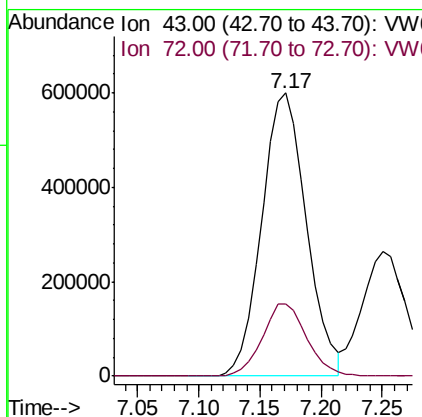
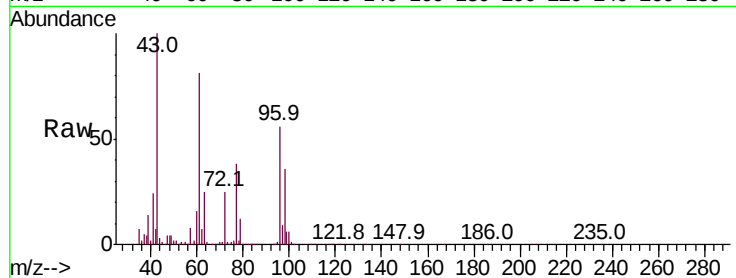
72 25.5 19.1 28.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.250 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW010349.D

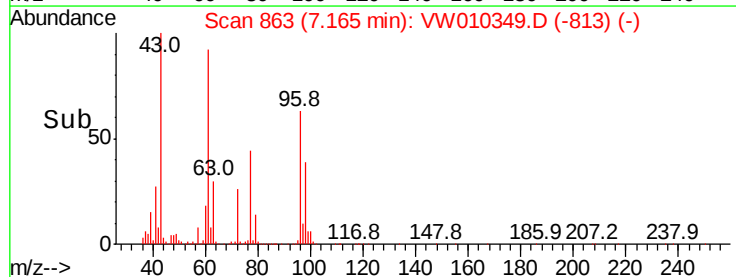
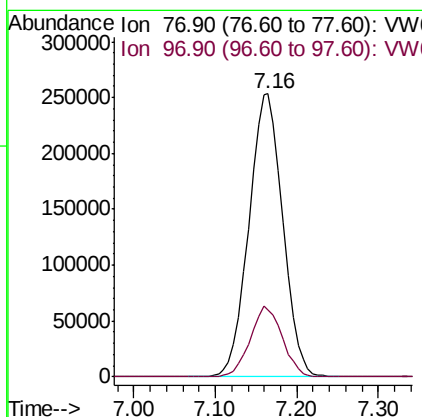
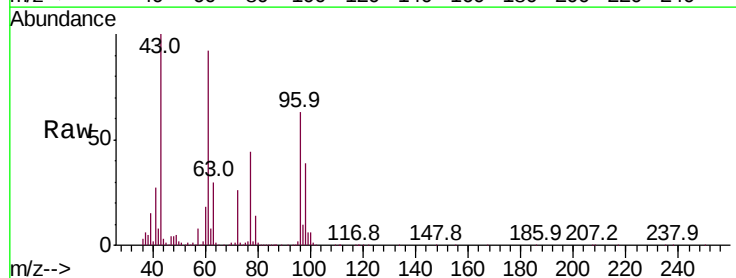
Acq: 09 May 2019 20:58

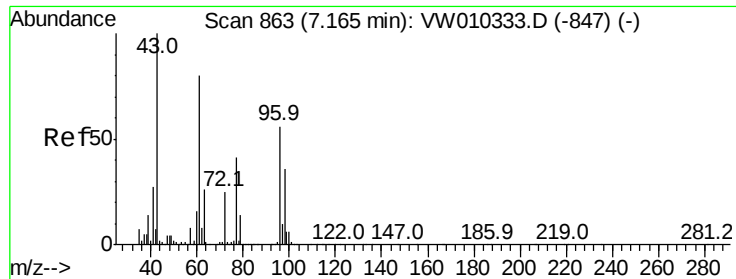
Tgt Ion: 77 Resp: 733313

Ion Ratio Lower Upper

77 100

97 23.8 11.3 33.9





#27

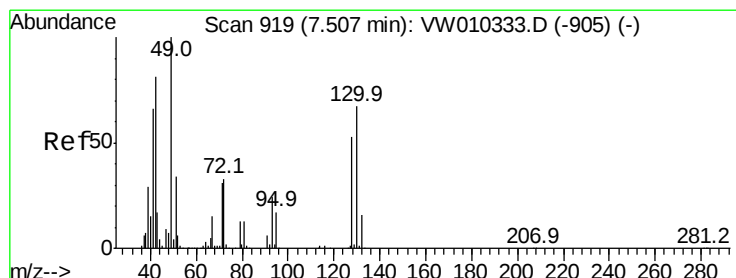
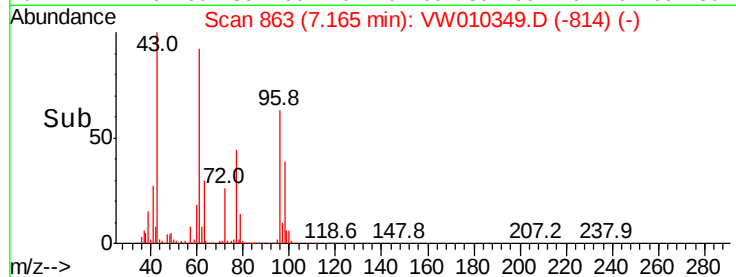
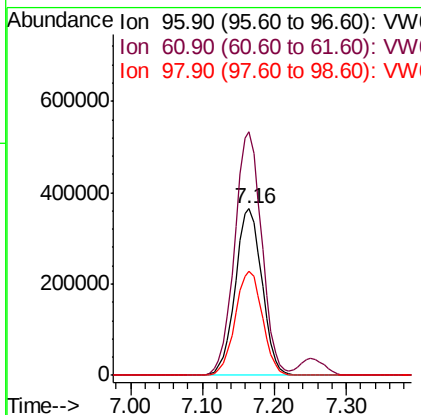
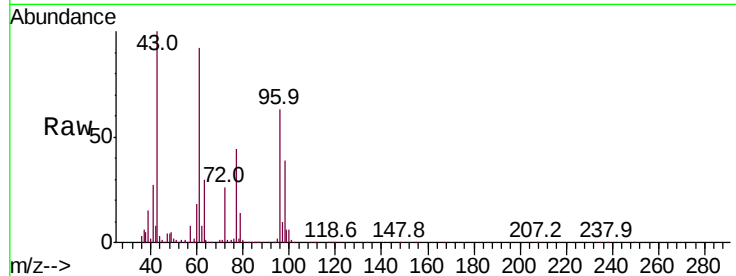
cis-1,2-Dichloroethene
 Concen: 56.533 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	941092		
61	148.0		0.0	309.4
98	63.6		0.0	128.6

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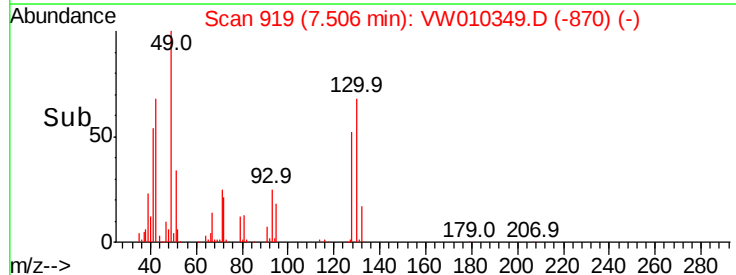
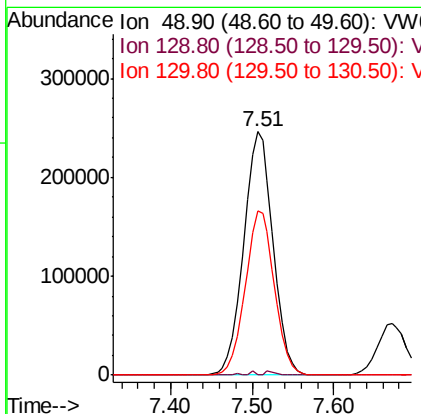
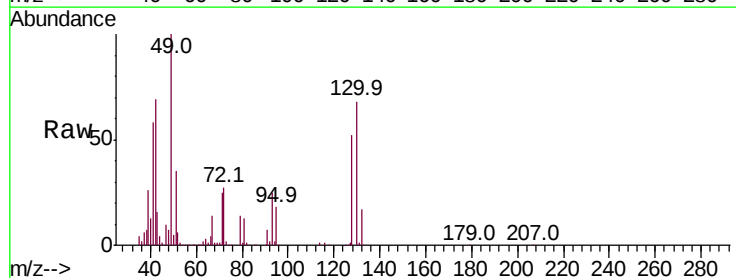
MMDadoda
 5/10/2019 10:07:57 AM

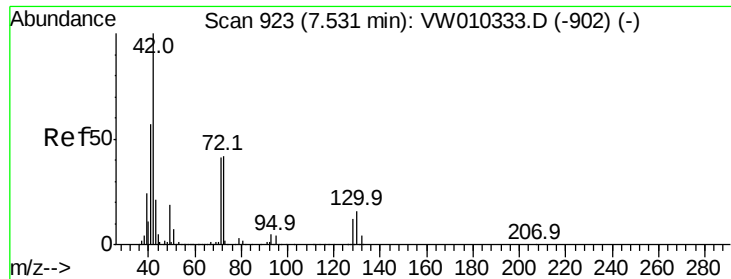


#28

Bromochloromethane
 Concen: 56.840 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	614648		
129	0.4		0.0	3.8
130	67.1		54.6	82.0





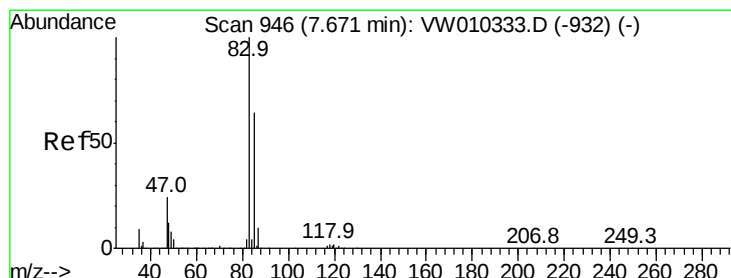
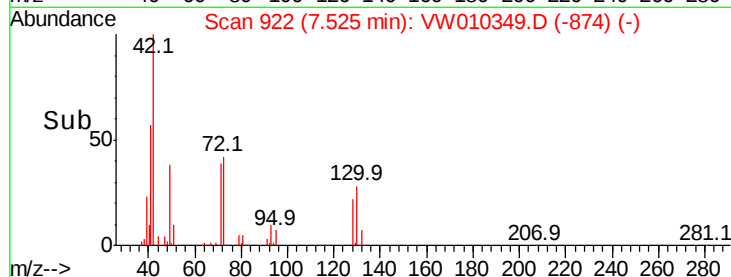
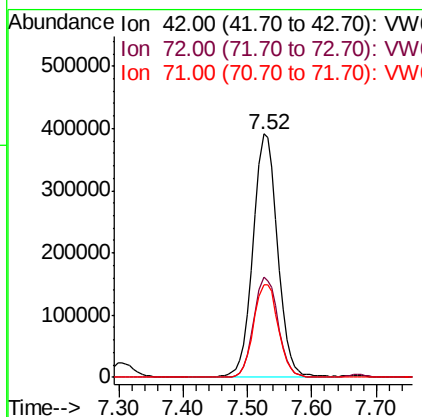
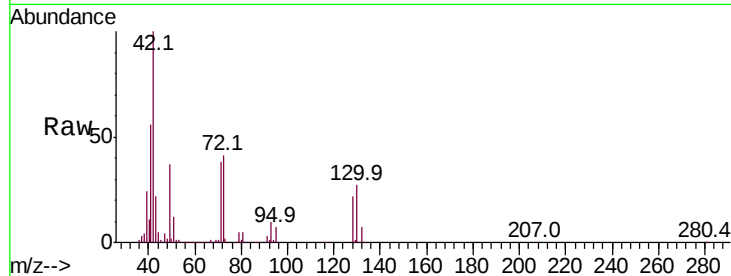
#29
Tetrahydrofuran
Concen: 268.590 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	31.0	46.6
71	38.7	29.7	44.5

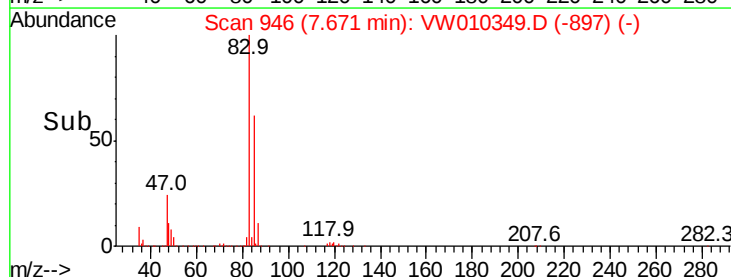
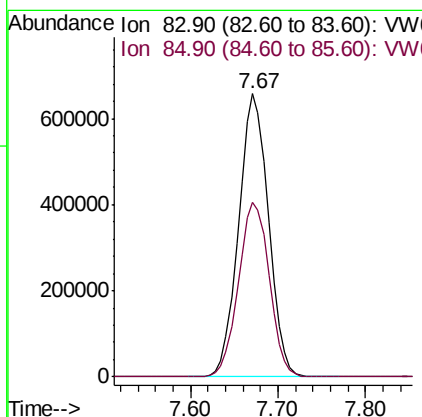
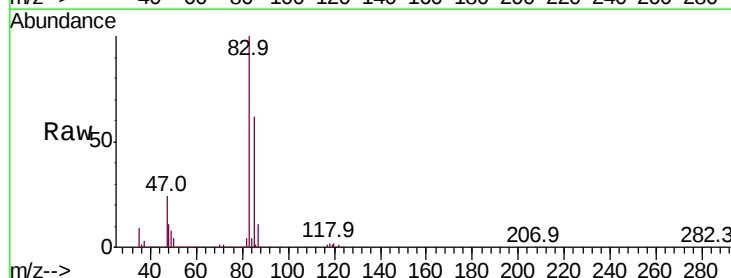
Manual Integrations
APPROVED

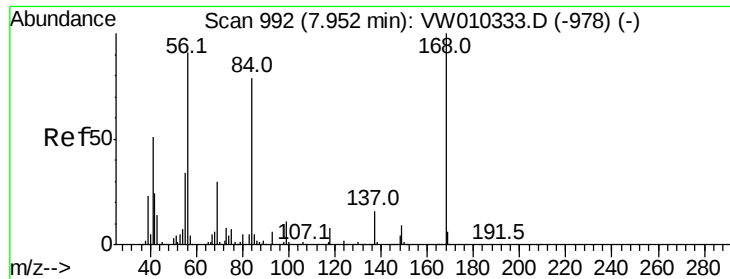
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#30
Chloroform
Concen: 56.726 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.7	76.1





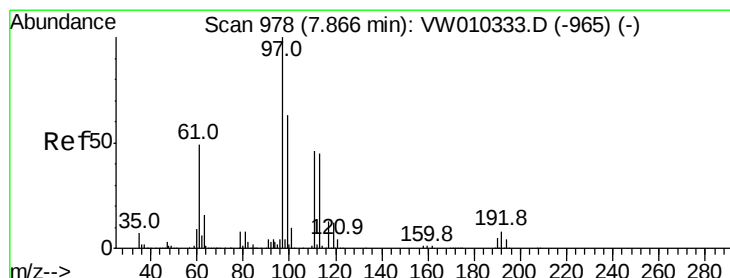
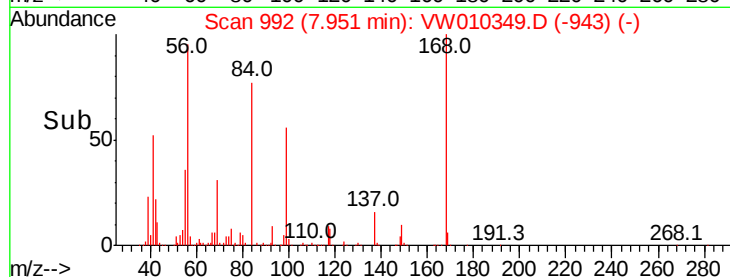
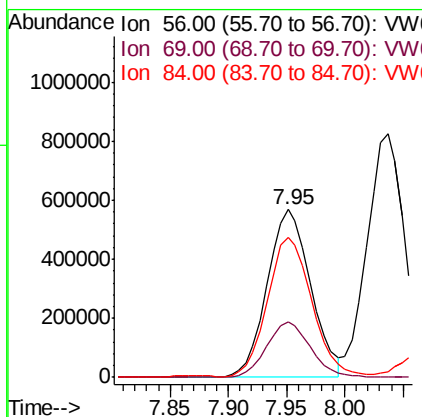
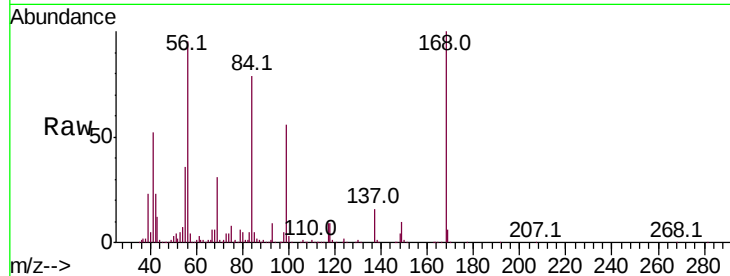
#31
Cyclohexane
Concen: 49.050 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 1473080
Ion Ratio Lower Upper
56 100
69 32.9 26.6 40.0
84 82.2 66.2 99.2

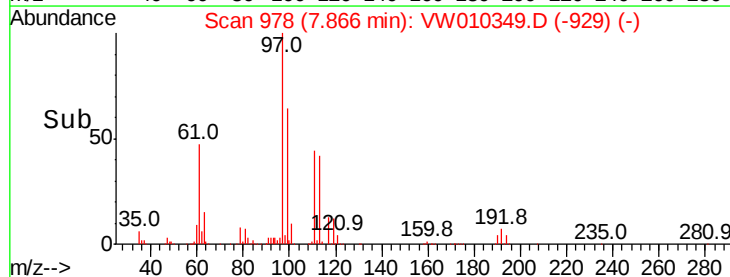
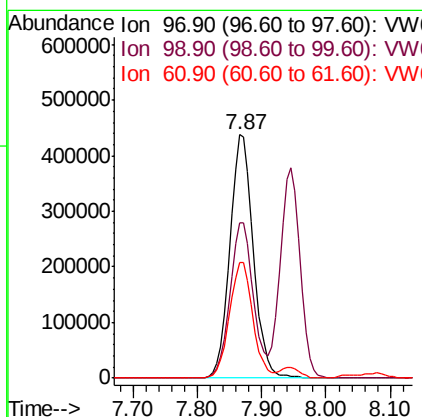
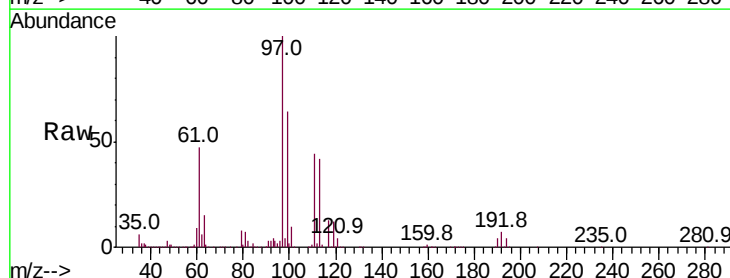
Manual Integrations
APPROVED

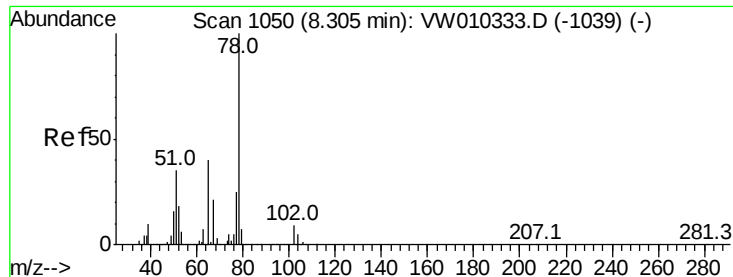
MMDadoda
5/10/2019 10:07:57 AM



#32
1,1,1-Trichloroethane
Concen: 52.459 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 97 Resp: 1115410
Ion Ratio Lower Upper
97 100
99 63.8 50.2 75.2
61 47.4 38.2 57.2





#33

1,2-Dichloroethane-d4

Concen: 54.157 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 794034

Ion Ratio Lower Upper

65 100

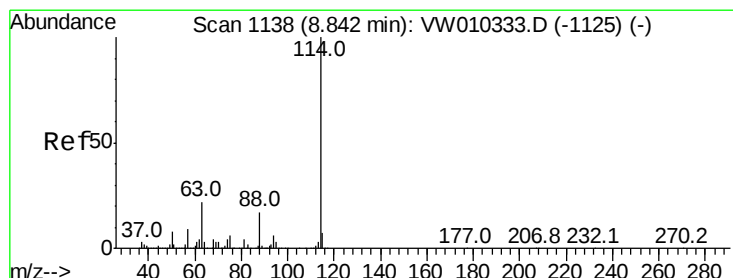
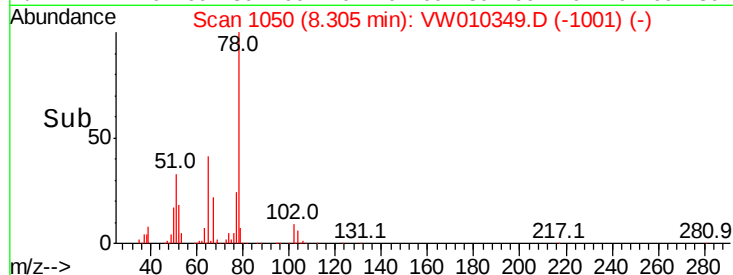
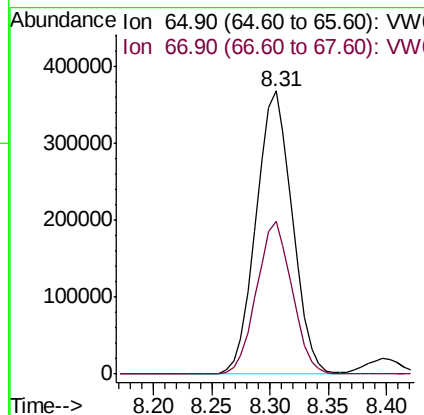
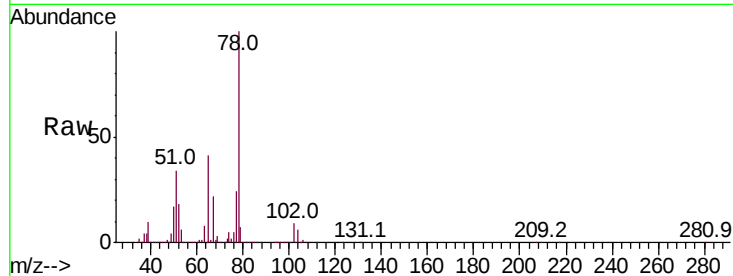
67 53.0 0.0 100.8

Manual Integrations

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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: VW010349.D

Acq: 09 May 2019 20:58

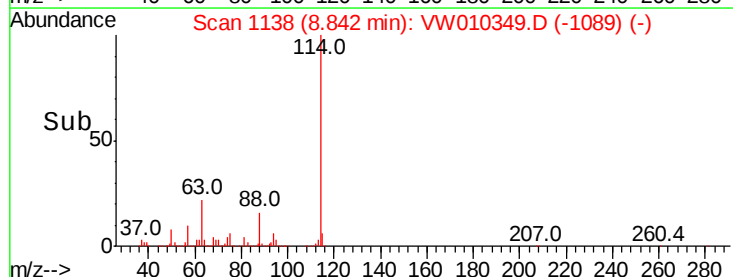
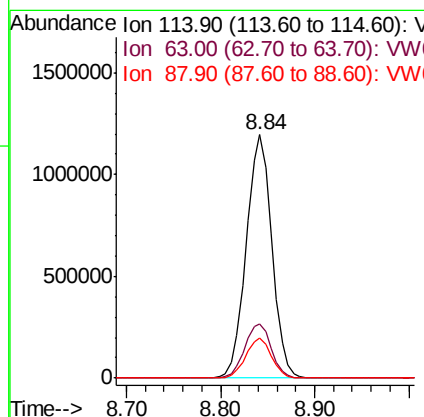
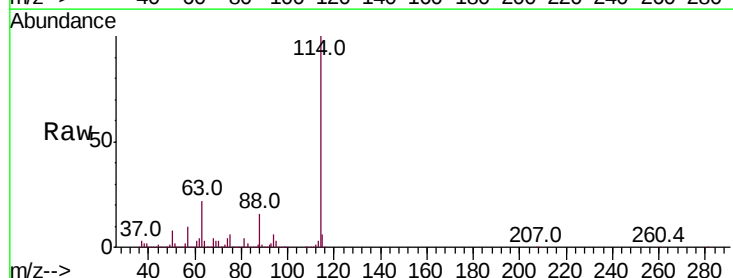
Tgt Ion: 114 Resp: 2282629

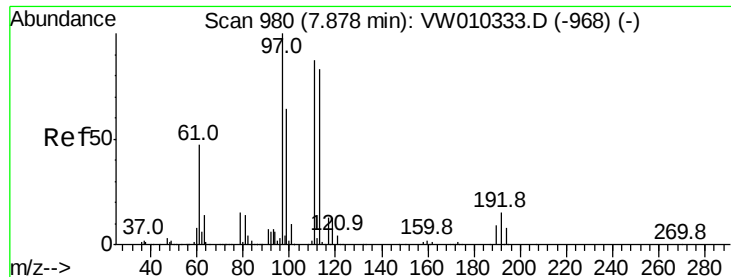
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.2

88 16.5 0.0 32.6





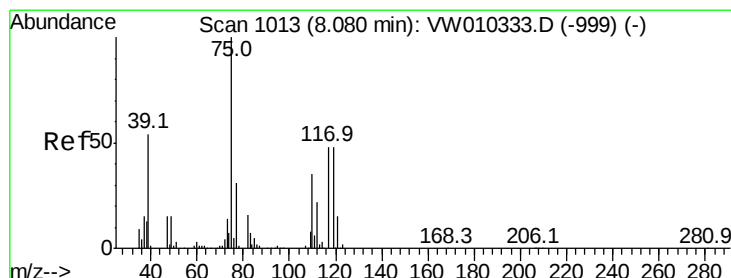
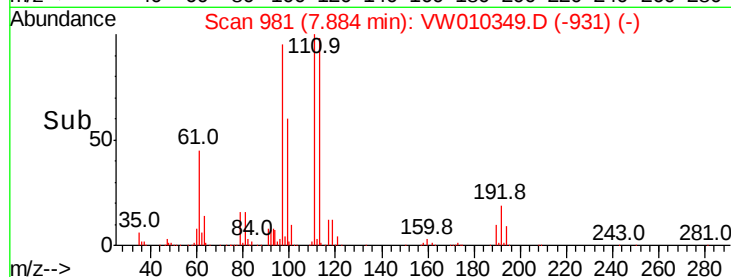
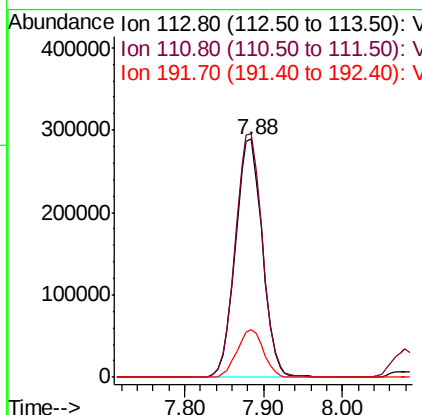
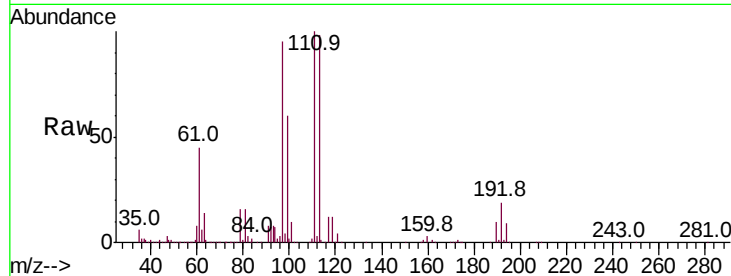
#35
Dibromofluoromethane
Concen: 51.322 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	685538		
111	102.9	82.6	123.8	
192	19.7	15.4	23.2	

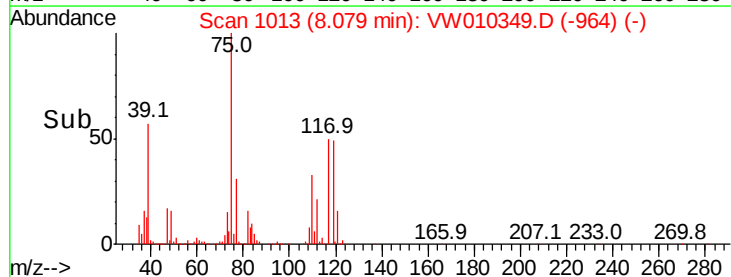
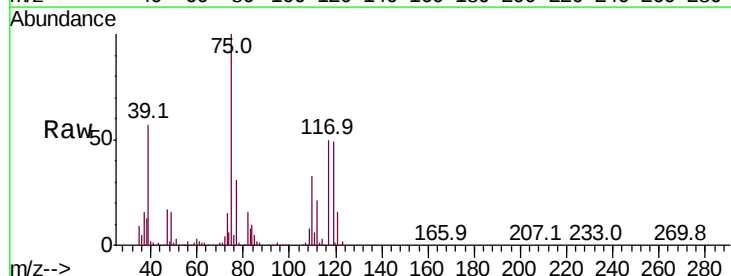
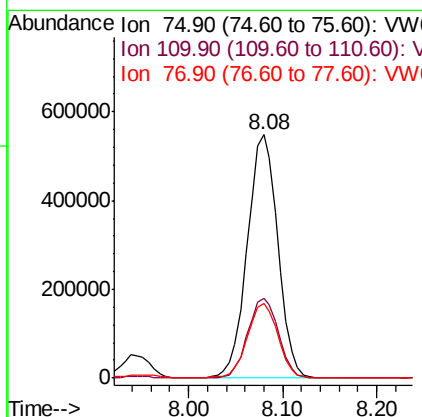
Manual Integrations
APPROVED

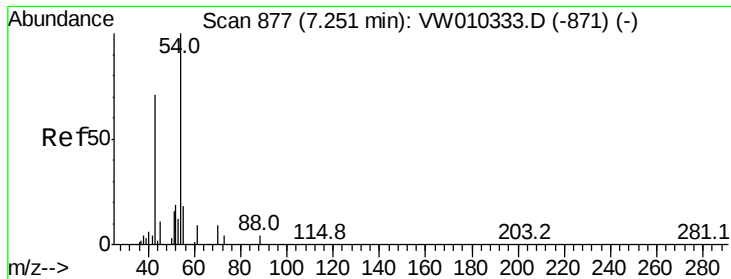
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#36
1,1-Dichloropropene
Concen: 50.090 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1239729		
110	33.0	16.6	49.8	
77	31.0	24.8	37.2	





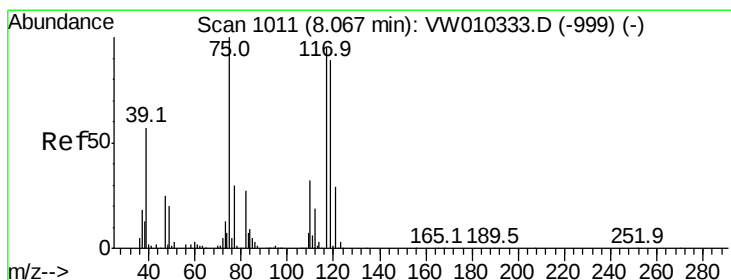
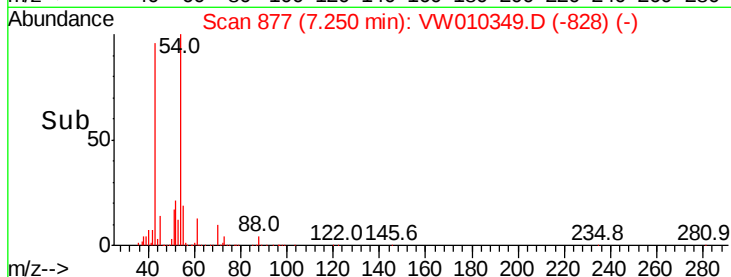
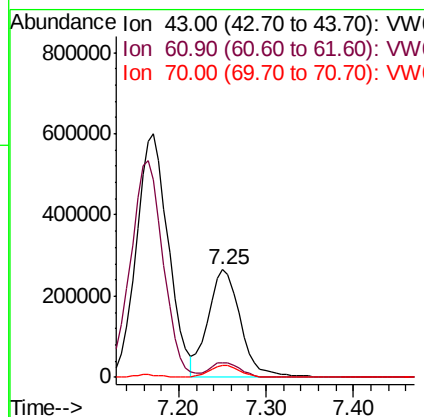
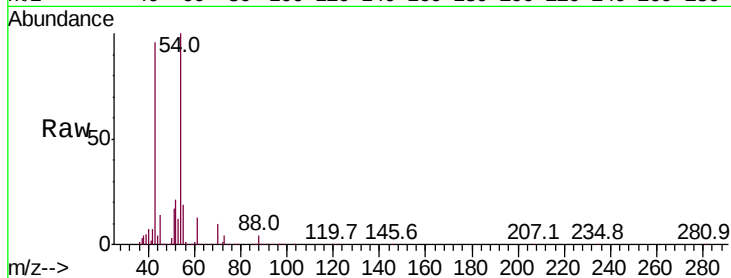
#37
Ethyl Acetate
Concen: 51.691 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.8	14.8
70	10.2	7.4	11.0

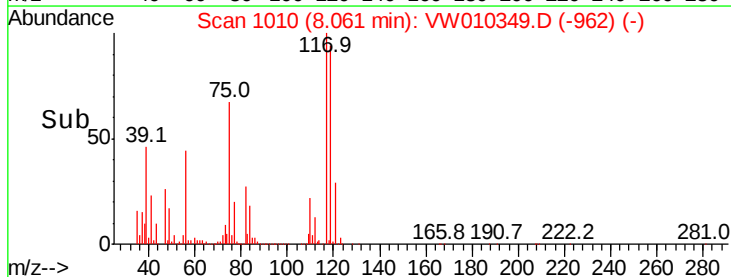
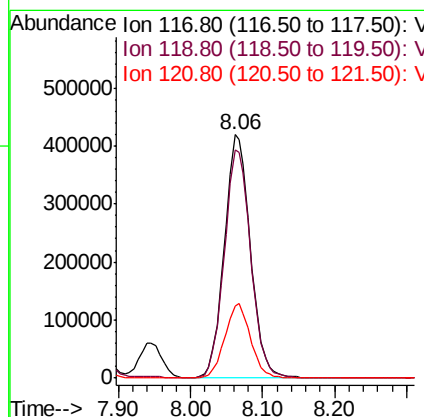
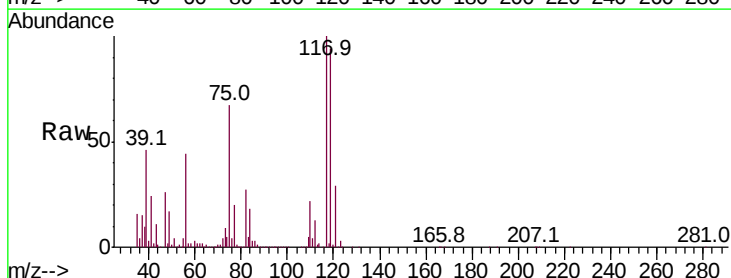
Manual Integrations
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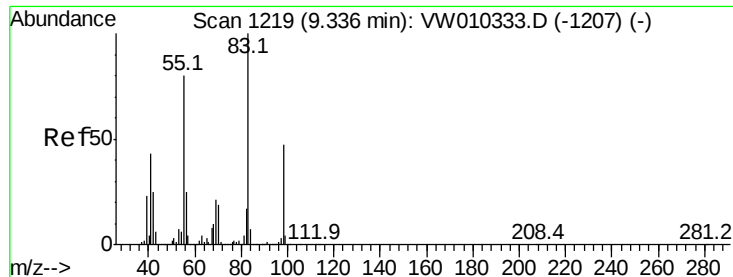
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#38
Carbon Tetrachloride
Concen: 49.804 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.3	112.9
121	29.4	24.4	36.6





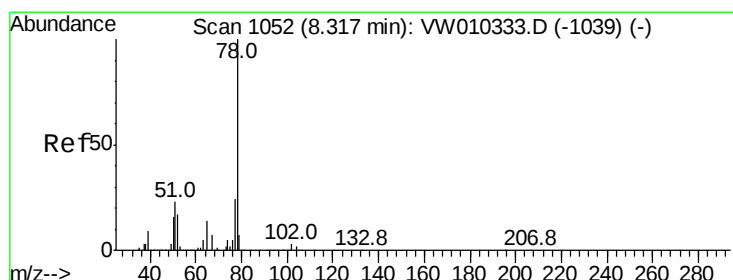
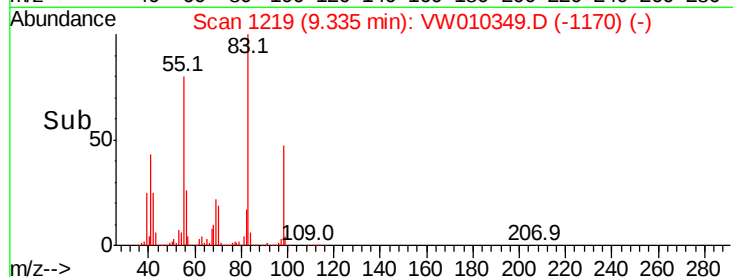
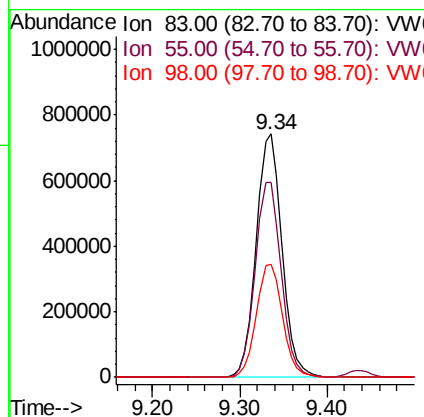
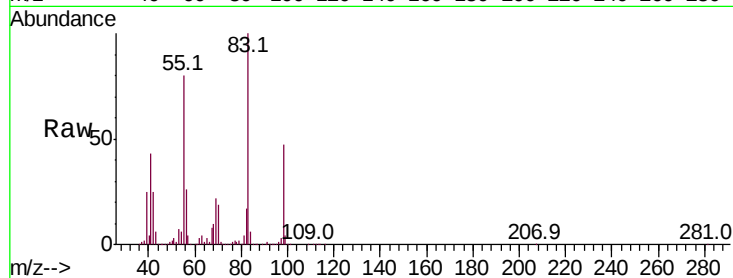
#39
Methvlcvclohexane
Concen: 50.172 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	67.1	100.7
98	46.7	39.2	58.8

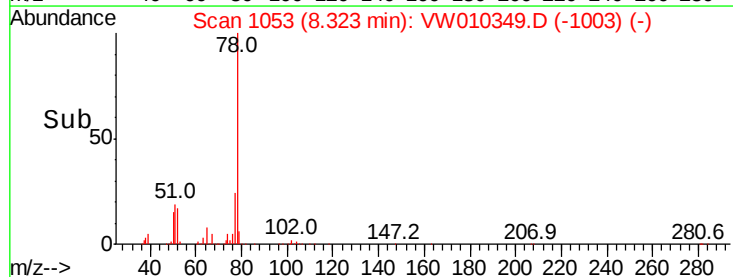
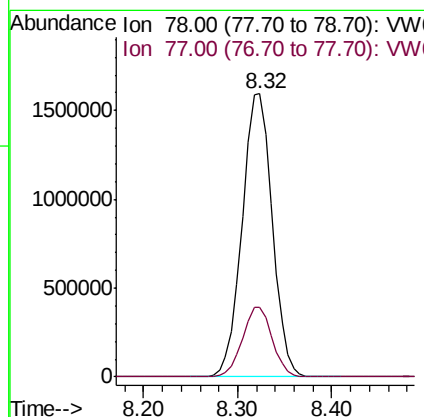
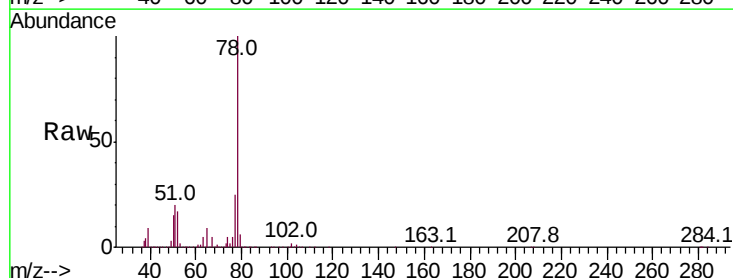
Manual Integrations
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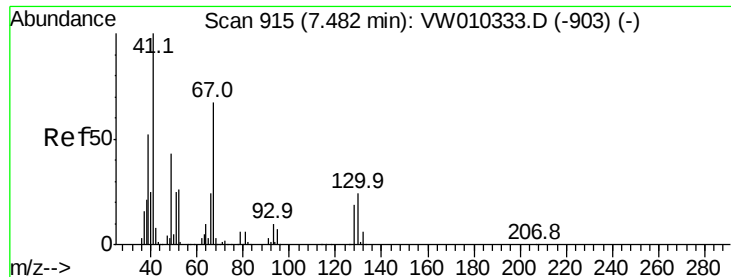
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#40
Benzene
Concen: 52.728 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





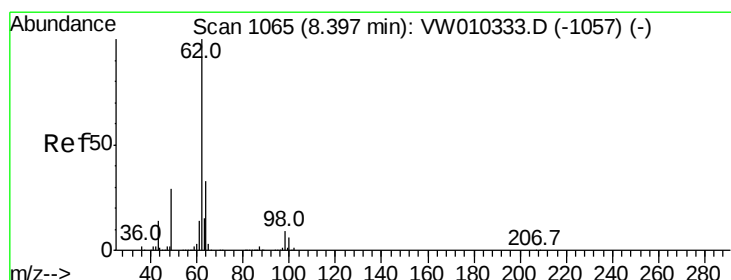
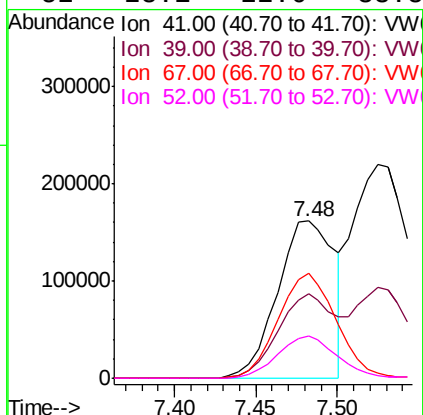
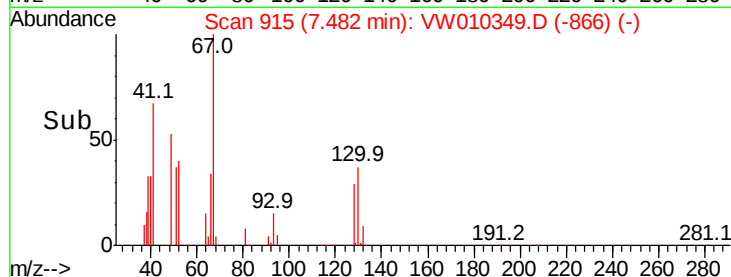
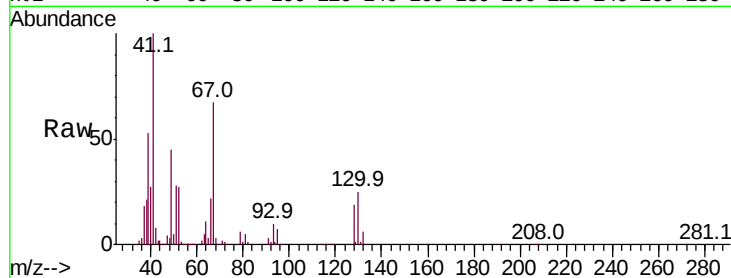
#41
Methacrylonitrile
Concen: 52.988 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	45.0	67.4
67	68.4	50.7	76.1
52	28.1	22.6	33.8

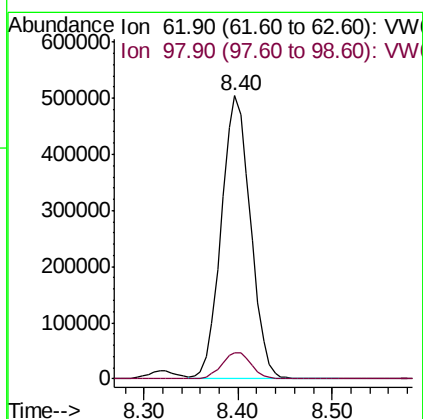
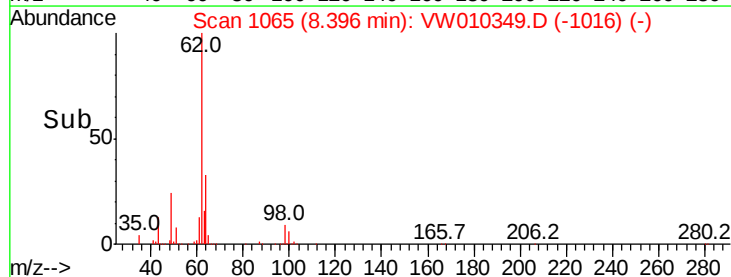
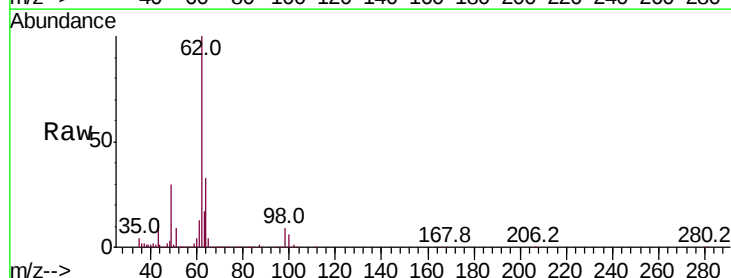
Manual Integrations
APPROVED

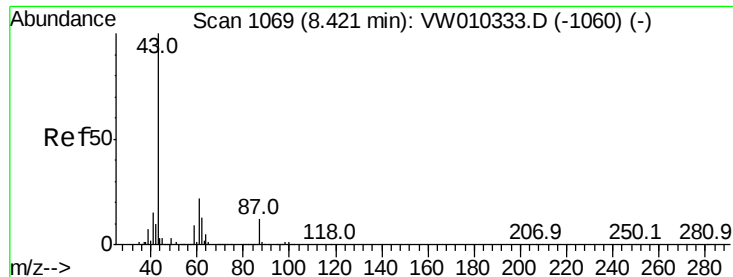
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#42
1,2-Dichloroethane
Concen: 55.707 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.6





#43

Isopropyl Acetate

Concen: 54.937 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1200656

Ion Ratio Lower Upper

43 100

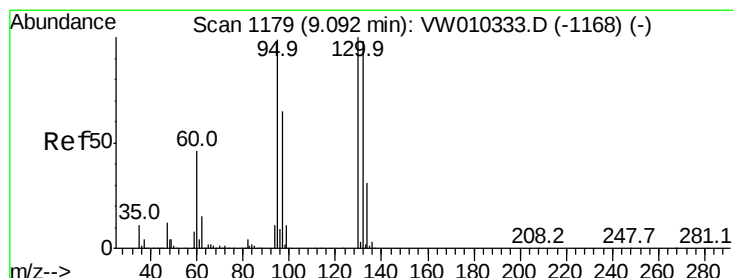
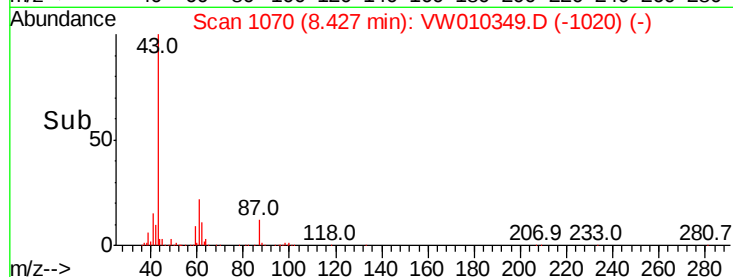
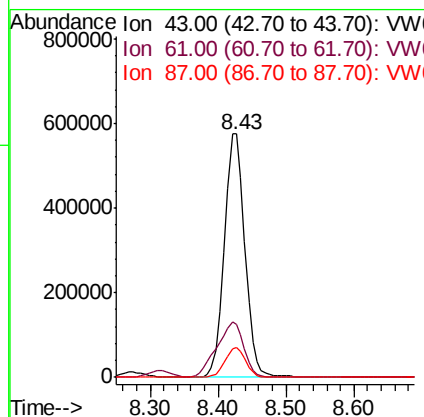
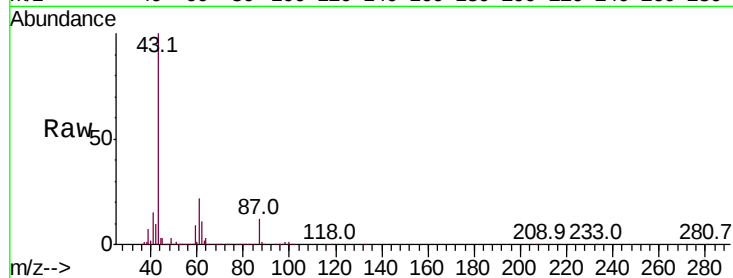
61 29.7 23.0 34.6

87 12.5 9.3 13.9

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#44

Trichloroethene

Concen: 50.387 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010349.D

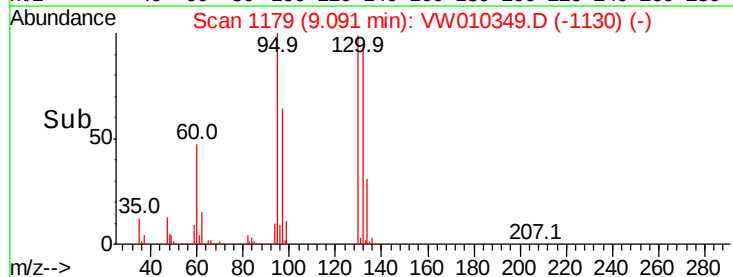
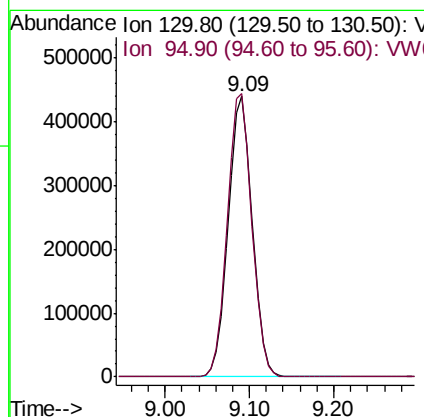
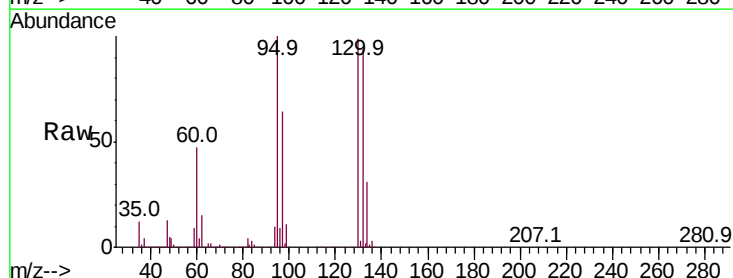
Acq: 09 May 2019 20:58

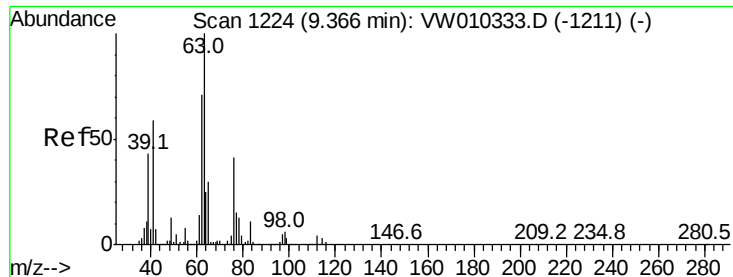
Tgt Ion: 130 Resp: 855017

Ion Ratio Lower Upper

130 100

95 101.0 0.0 205.4





#45

1,2-Dichloropropane

Concen: 55.344 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 932453

Ion Ratio Lower Upper

63 100

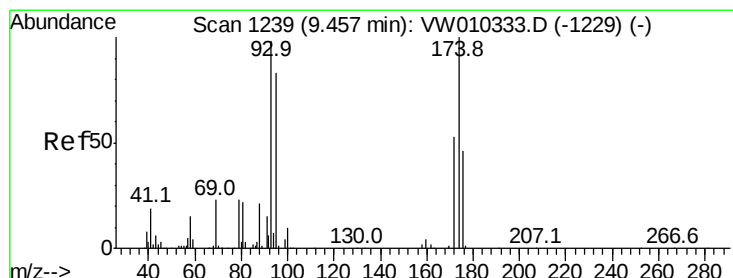
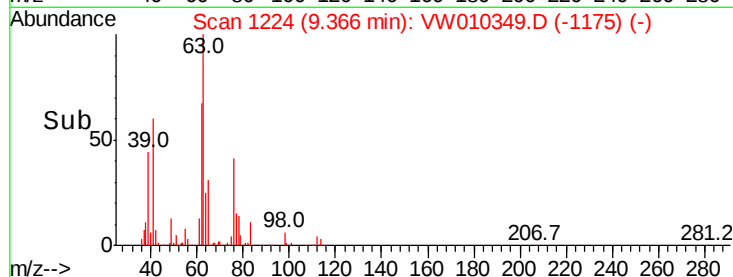
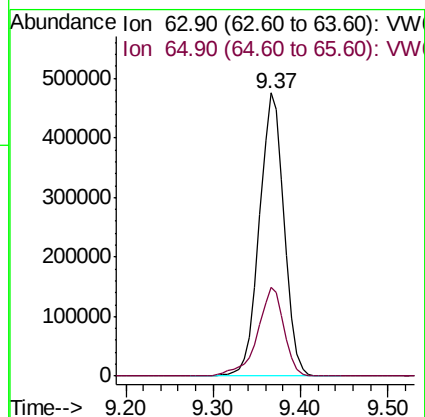
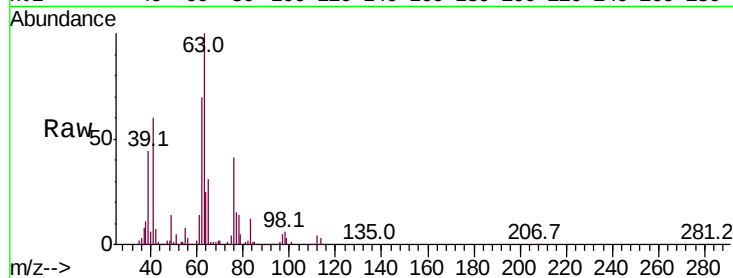
65 31.3 23.8 35.6

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#46

Dibromomethane

Concen: 54.255 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

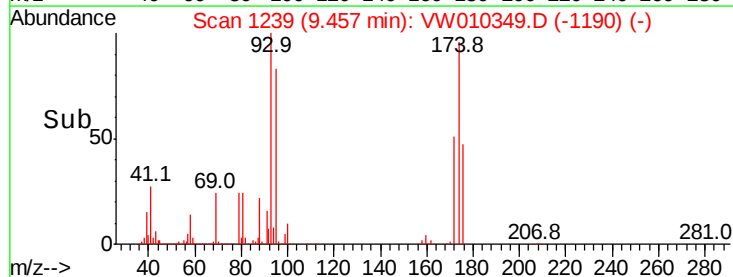
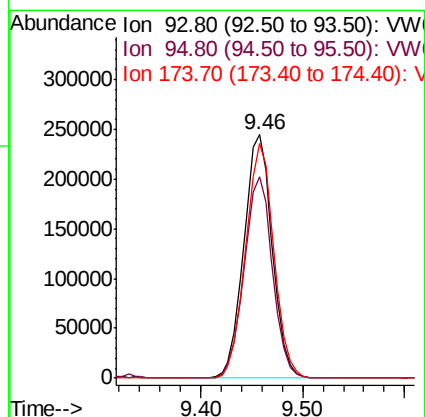
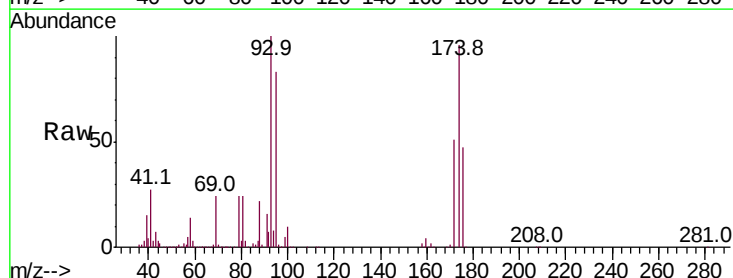
Tgt Ion: 93 Resp: 472242

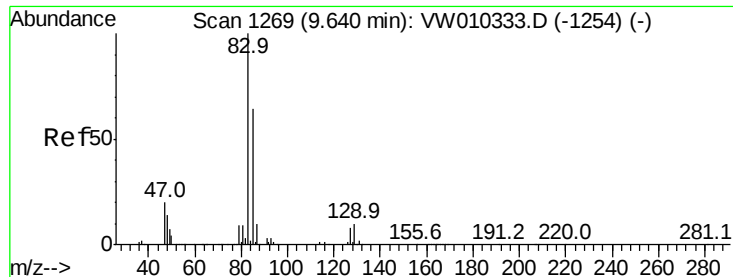
Ion Ratio Lower Upper

93 100

95 82.5 65.8 98.8

174 95.8 75.5 113.3





#47

Bromodichloromethane

Concen: 56.122 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 1171766

Ion Ratio Lower Upper

83 100

85 62.3 50.6 75.8

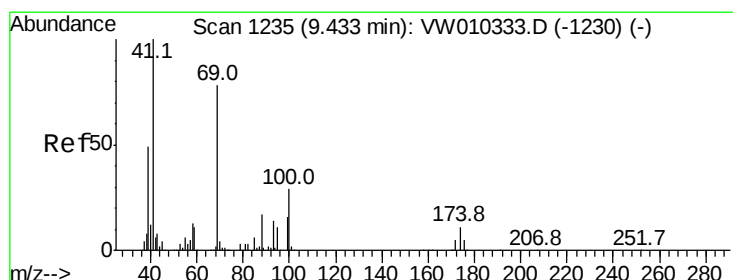
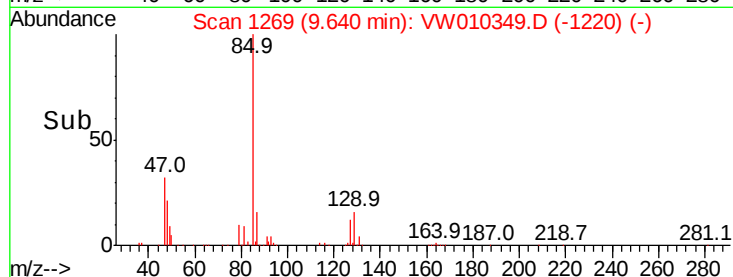
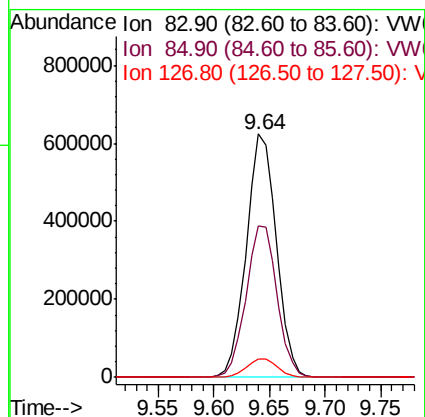
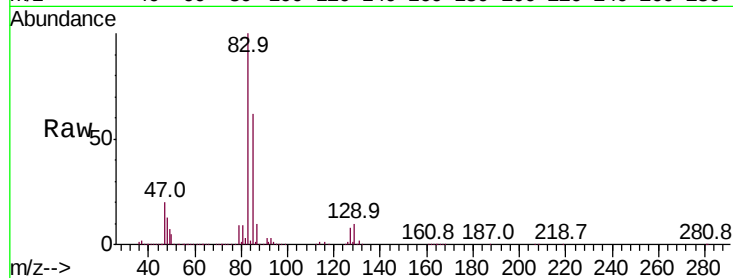
127 7.6 6.6 10.0

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#48

Methyl methacrylate

Concen: 56.160 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

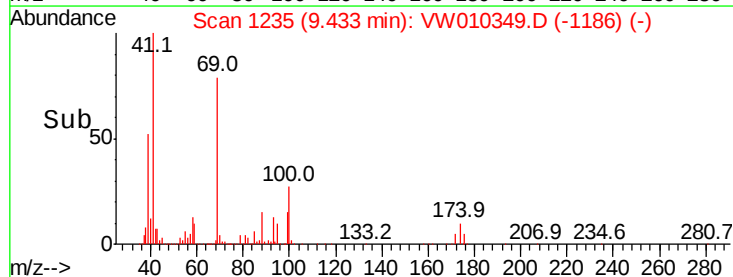
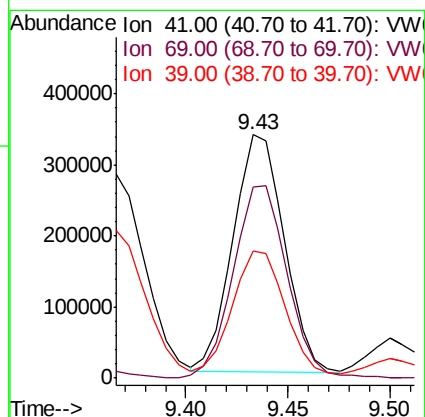
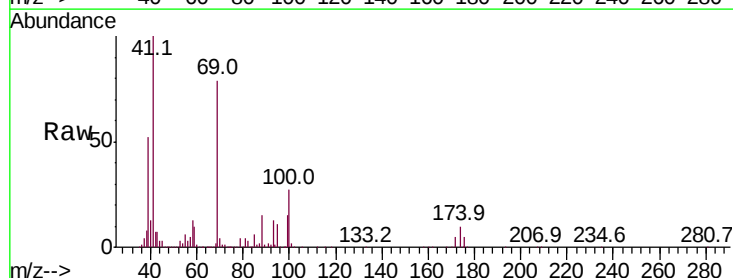
Tgt Ion: 41 Resp: 580335

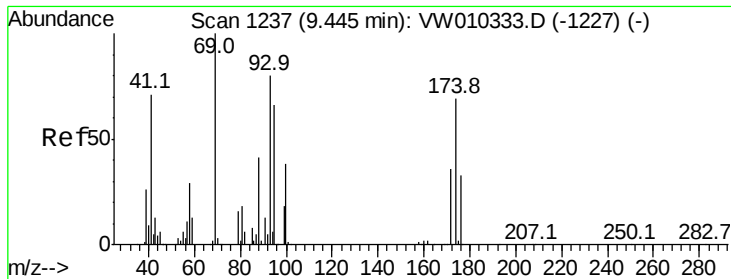
Ion Ratio Lower Upper

41 100

69 86.2 60.1 90.1

39 56.6 51.0 76.6





#49

1,4-Dioxane

Concen: 1104.386 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

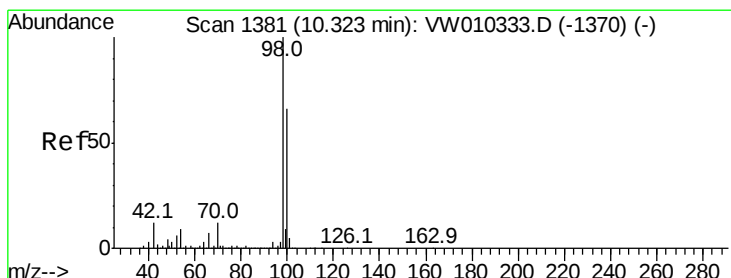
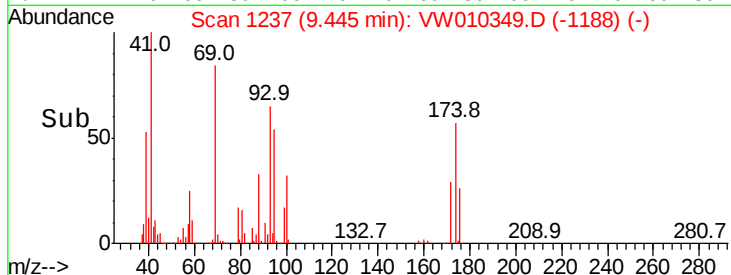
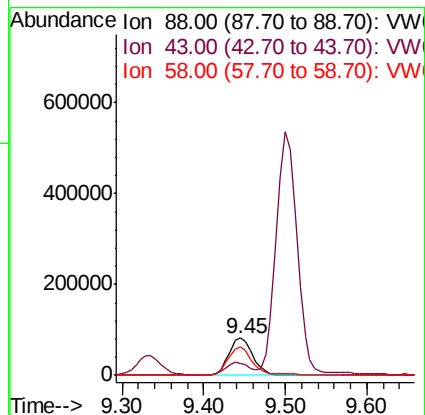
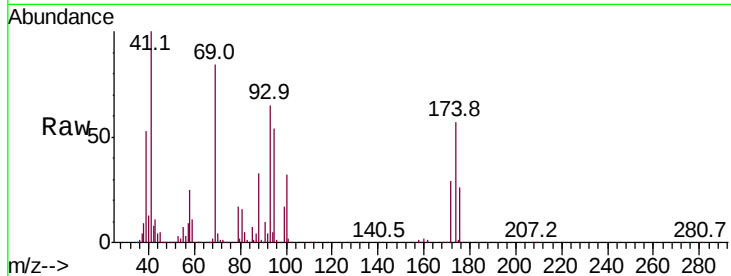
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	167636
Ion	Ratio	Lower	Upper
88	100		
43	34.7	31.9	47.9
58	78.7	61.8	92.6

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#50

Toluene-d8

Concen: 50.335 ug/l

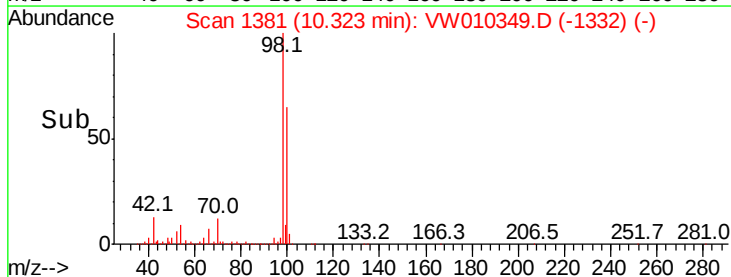
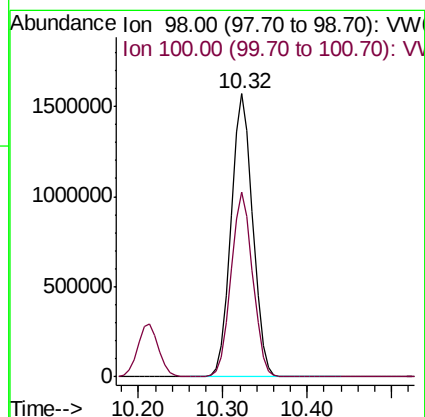
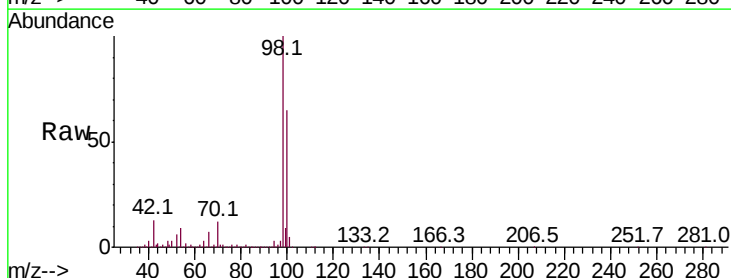
RT: 10.32 min Scan# 1381

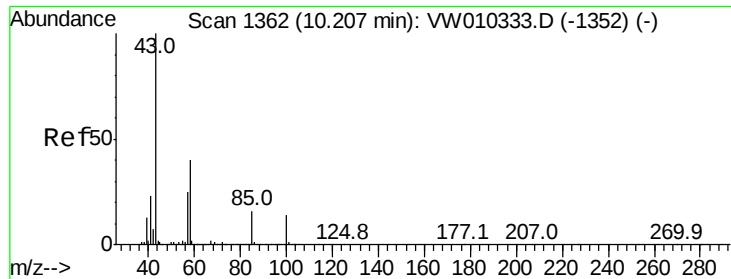
Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion:	98	Resp:	2737861
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 270.710 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3392481

Ion Ratio Lower Upper

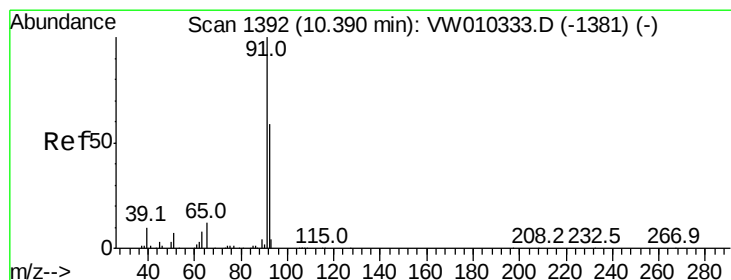
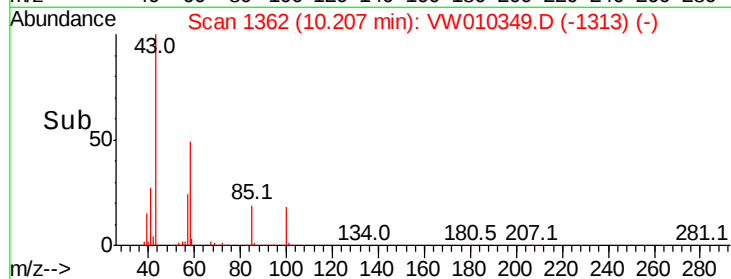
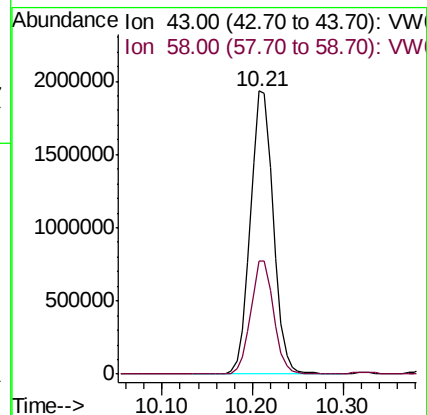
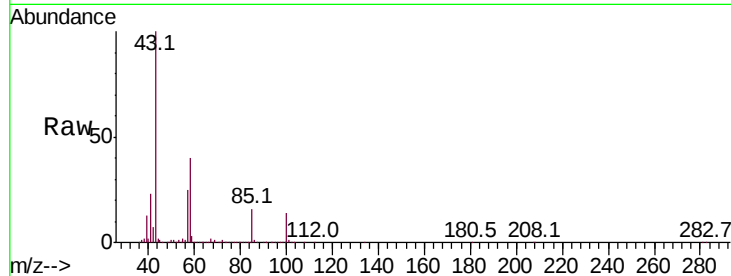
43 100

58 39.9 28.9 43.3

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#52

Toluene

Concen: 53.663 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW010349.D

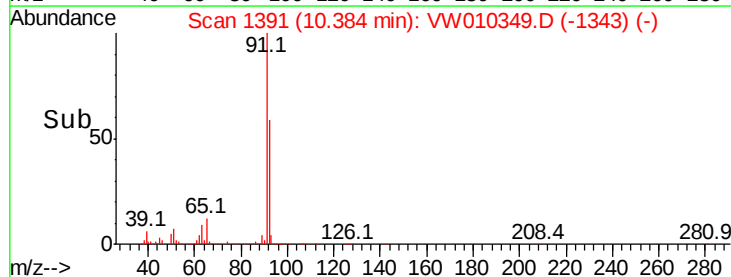
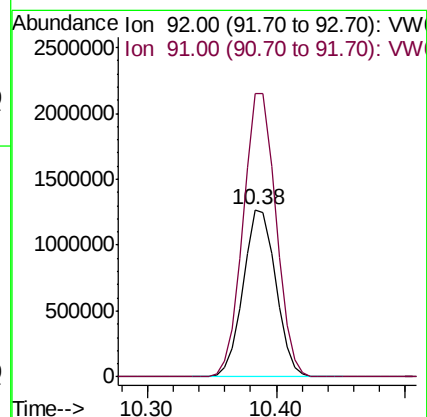
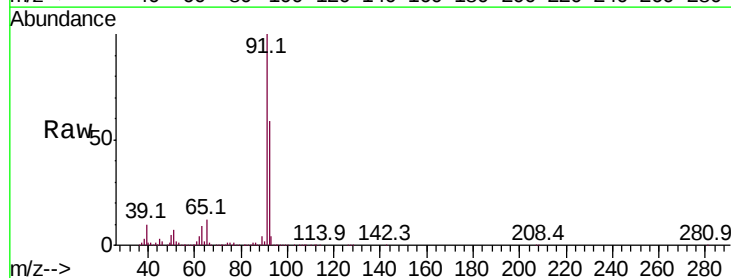
Acq: 09 May 2019 20:58

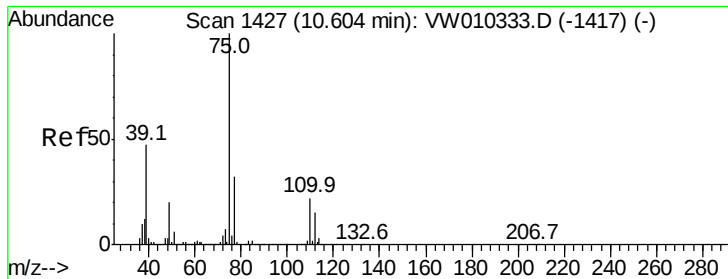
Tgt Ion: 92 Resp: 2223231

Ion Ratio Lower Upper

92 100

91 170.8 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 56.934 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 1204085

Ion Ratio Lower Upper

75 100

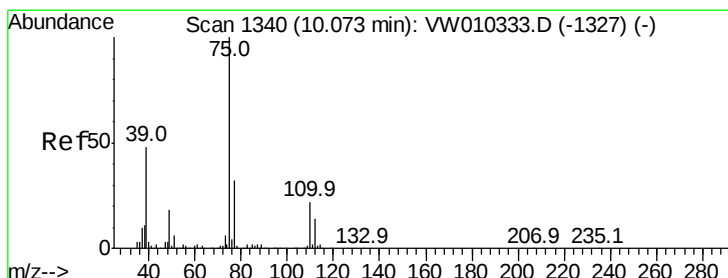
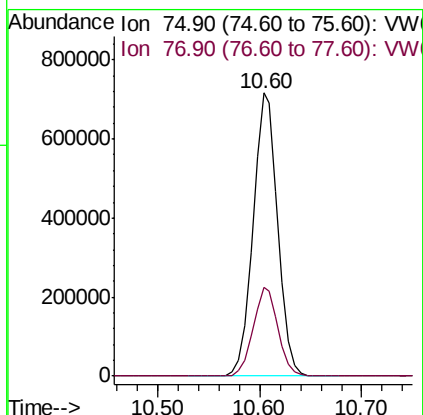
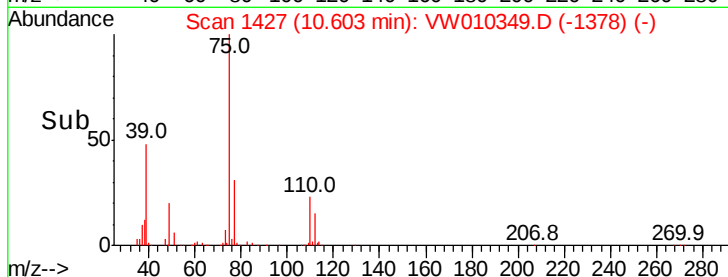
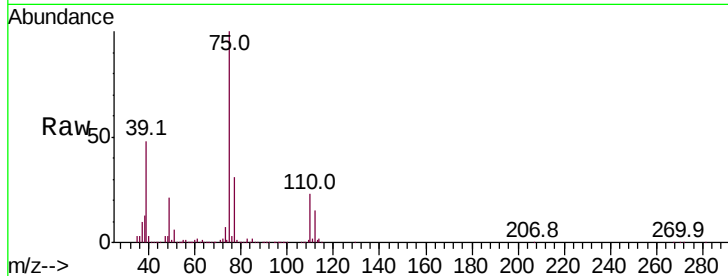
77 31.4 26.9 40.3

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#54

cis-1,3-Dichloropropene

Concen: 56.402 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

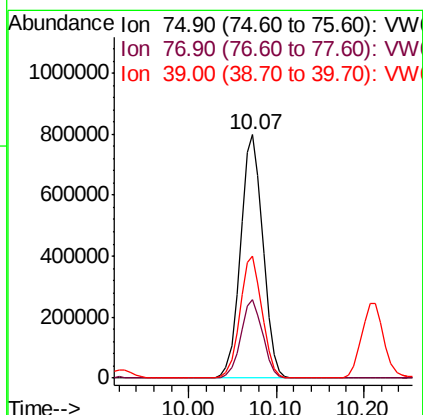
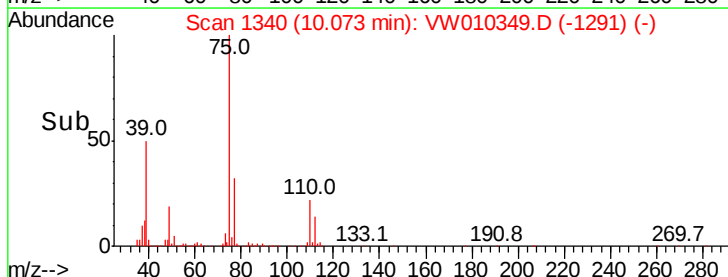
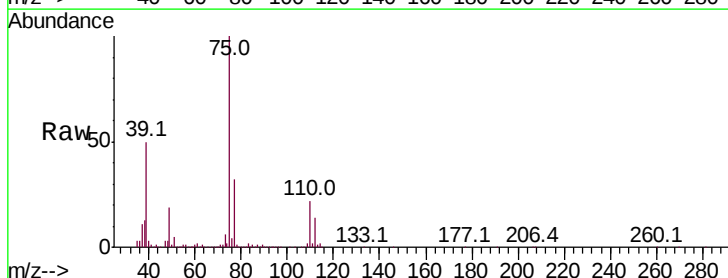
Tgt Ion: 75 Resp: 1412684

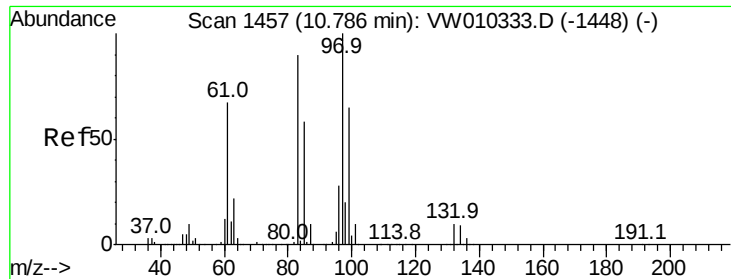
Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4

39 50.2 47.8 71.6





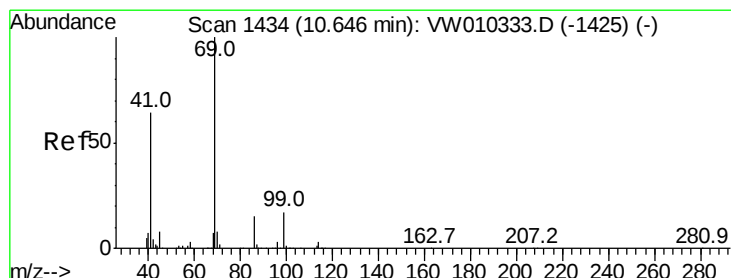
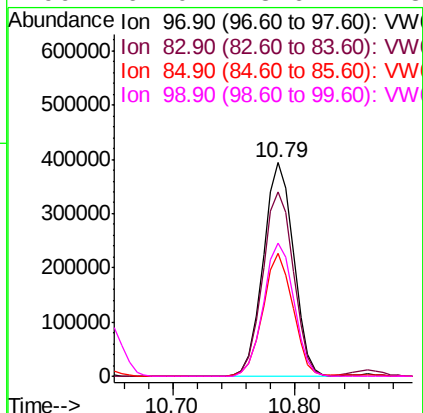
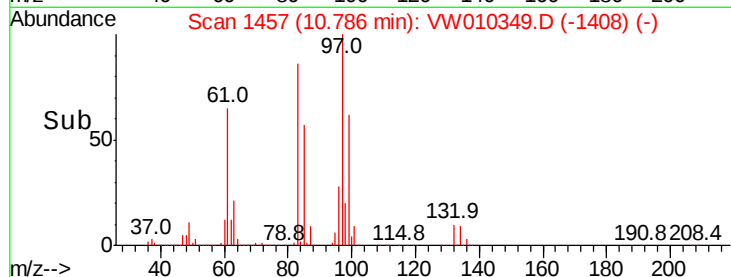
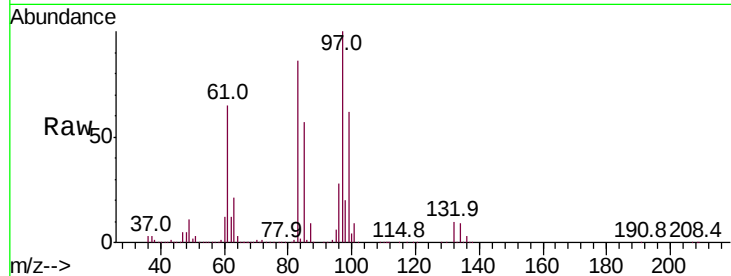
#55
 1,1,2-Trichloroethane
 Concen: 55.272 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	683309
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.9	103.3
85	57.4	42.9	64.3
99	62.0	48.6	72.8

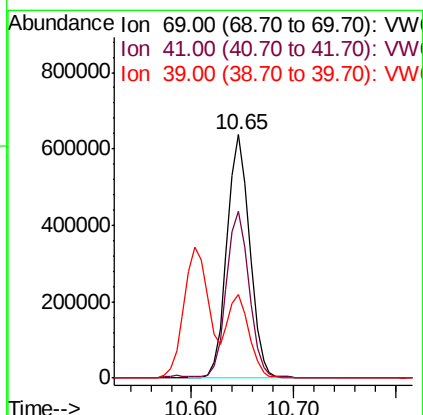
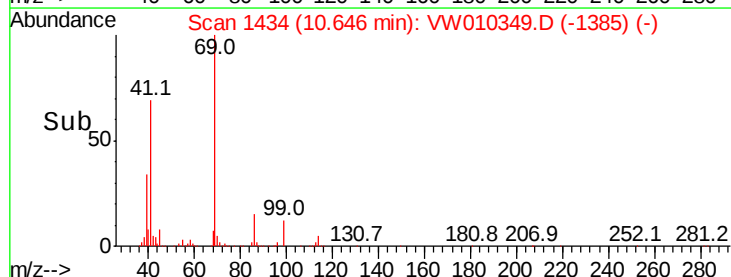
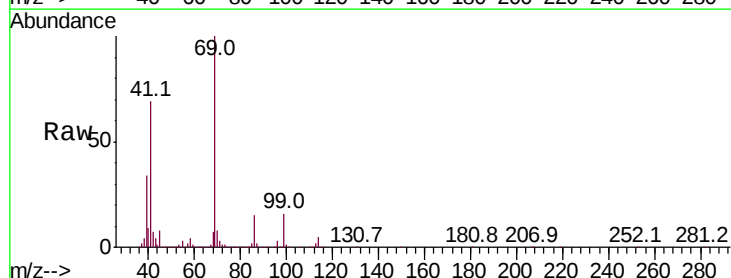
Manual Integrations
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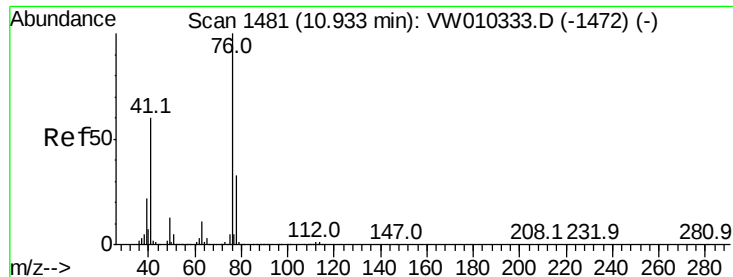
MMDadoda
 5/10/2019 10:07:57 AM



#56
 Ethyl methacrylate
 Concen: 60.236 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	69	Resp	983371
Ion	Ratio	Lower	Upper
69	100		
41	68.7	61.0	91.6
39	32.7	33.8	50.6#





#57

1,3-Dichloropropane

Concen: 56.245 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1243053

Ion Ratio Lower Upper

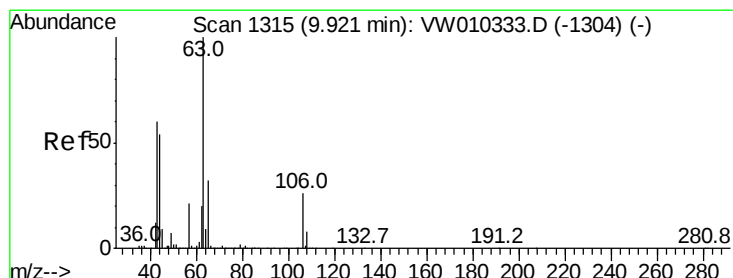
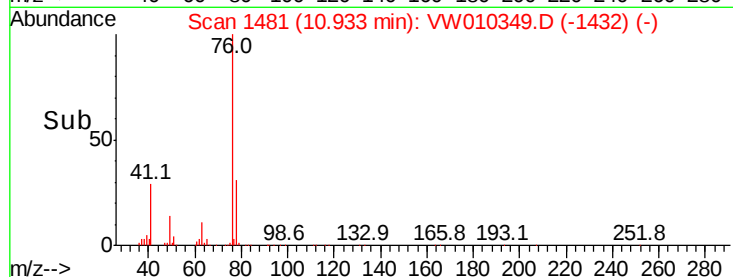
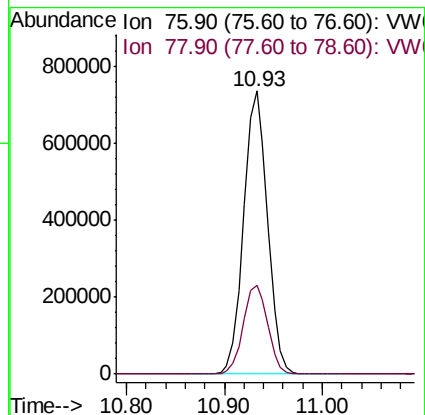
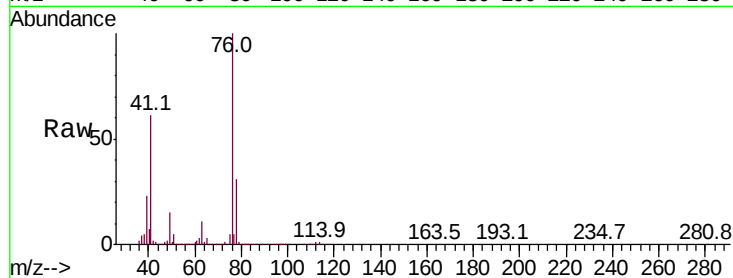
76 100

78 32.2 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 286.460 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010349.D

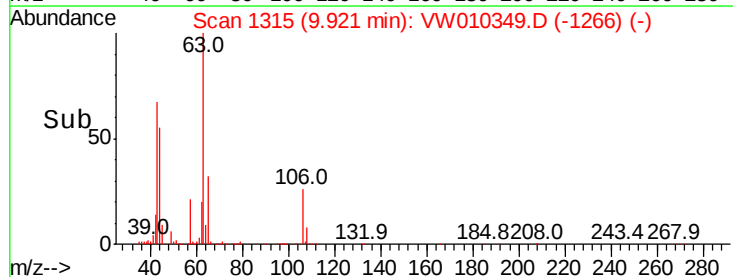
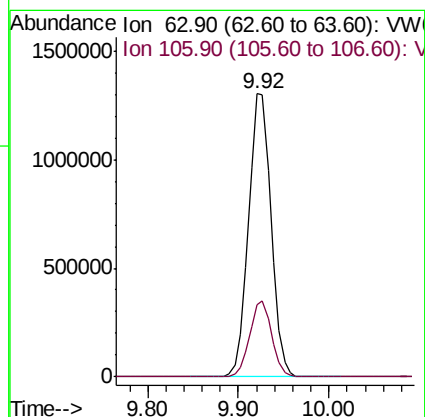
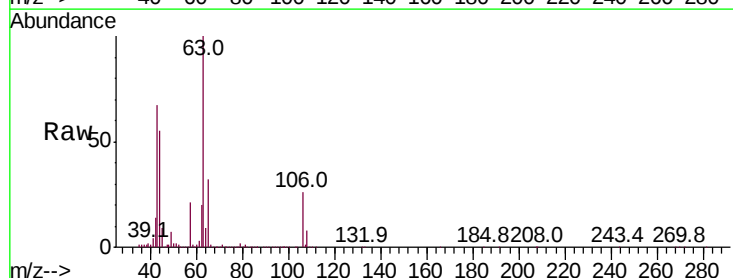
Acq: 09 May 2019 20:58

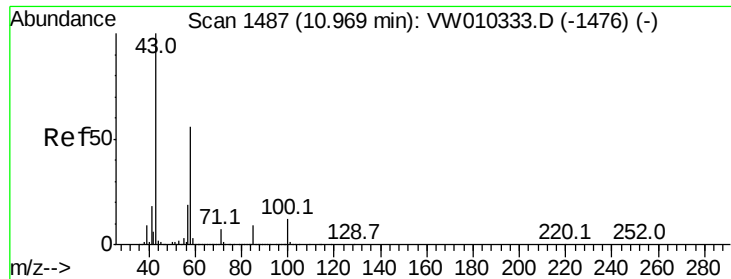
Tgt Ion: 63 Resp: 2239072

Ion Ratio Lower Upper

63 100

106 26.1 21.4 32.0





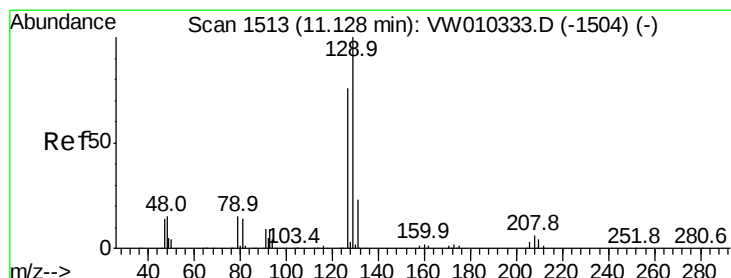
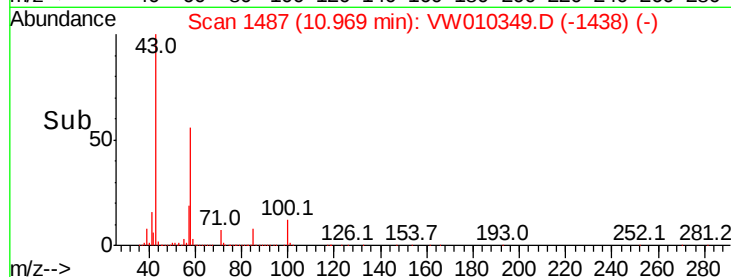
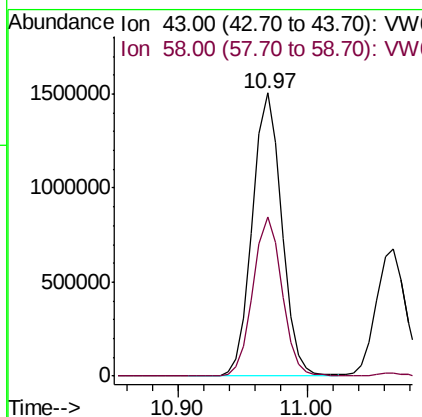
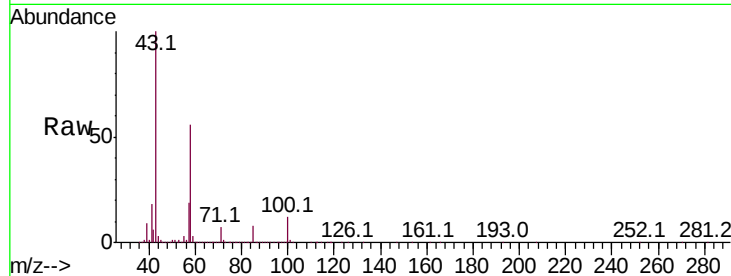
#59
2-Hexanone
Concen: 267.256 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2367996
Ion Ratio Lower Upper
43 100
58 55.5 24.9 74.7

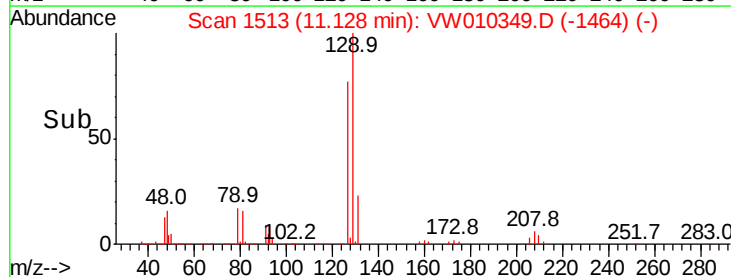
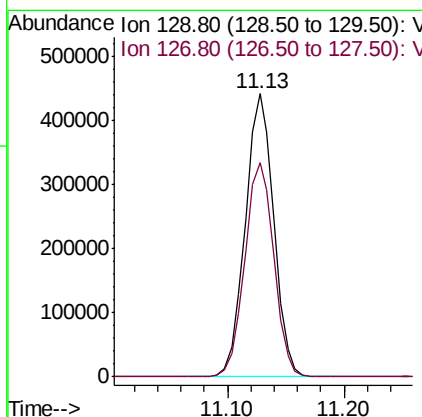
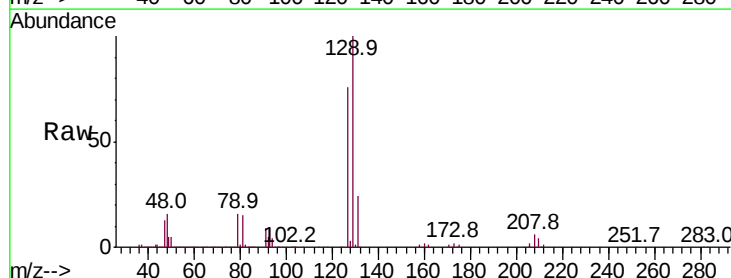
Manual Integrations
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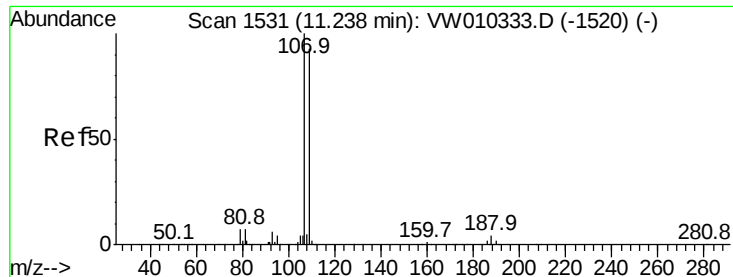
MMDadoda
5/10/2019 10:07:57 AM



#60
Dibromochloromethane
Concen: 56.637 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 129 Resp: 753433
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0





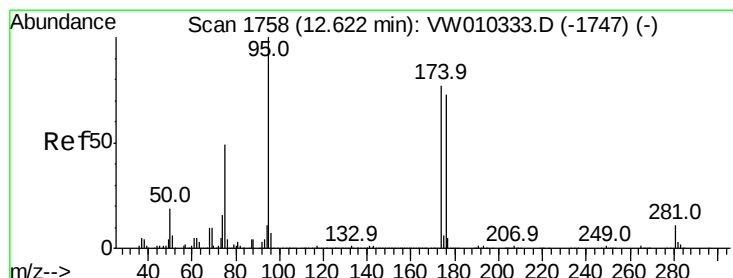
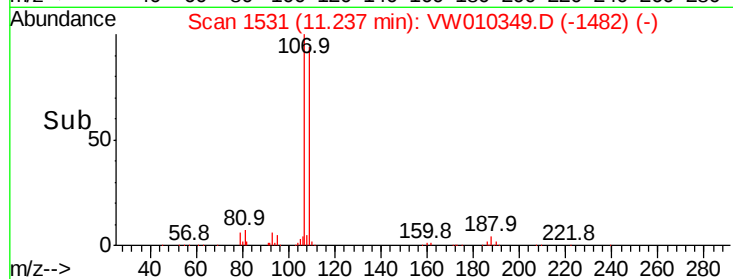
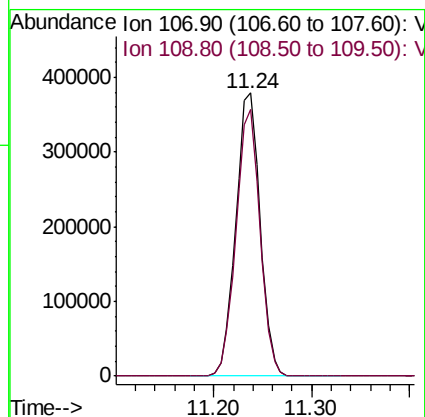
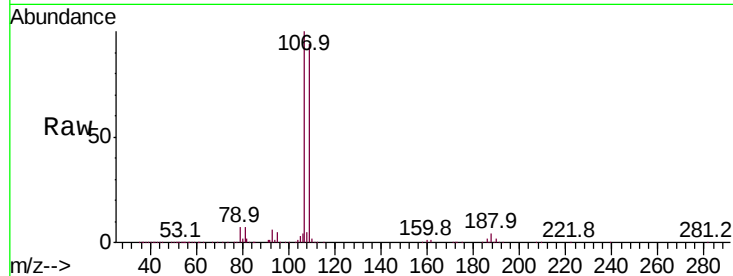
#61
 1,2-Dibromoethane
 Concen: 55.140 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	654387		
109	93.0	73.6	110.4	

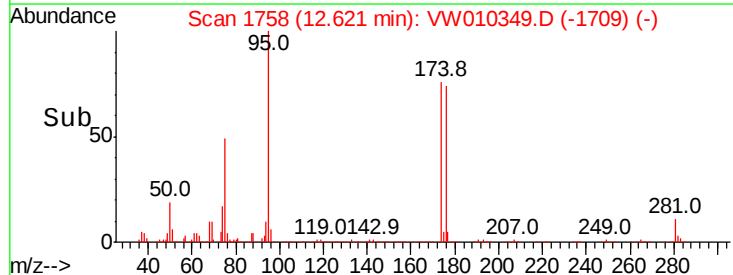
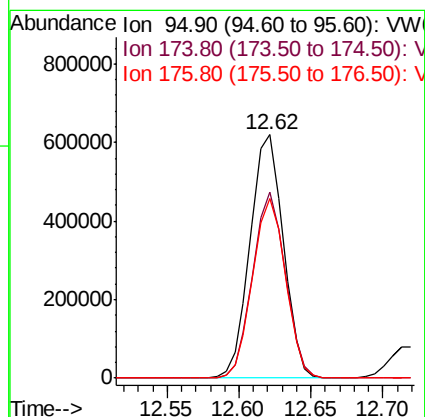
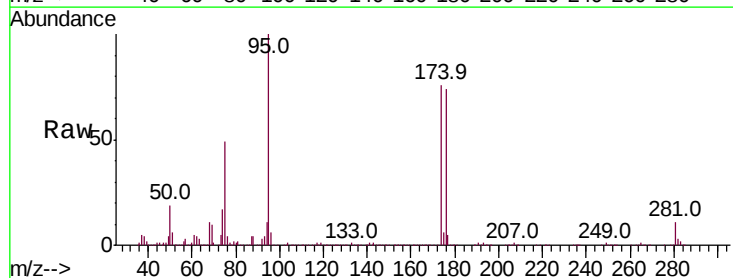
Manual Integrations
 APPROVED

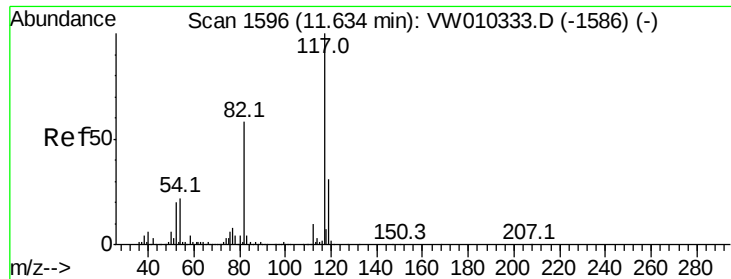
MMDadoda
 5/10/2019 10:07:57 AM



#62
 4-Bromofluorobenzene
 Concen: 51.649 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	988910		
174	75.4	0.0	151.4	
176	73.5	0.0	146.2	





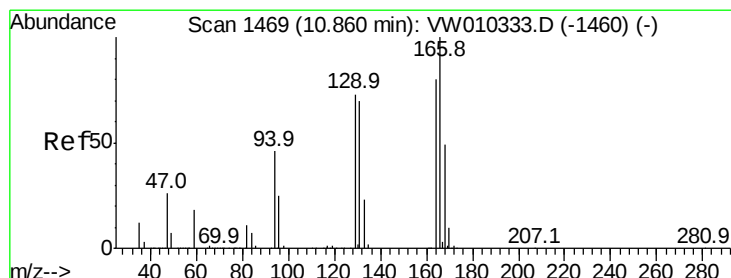
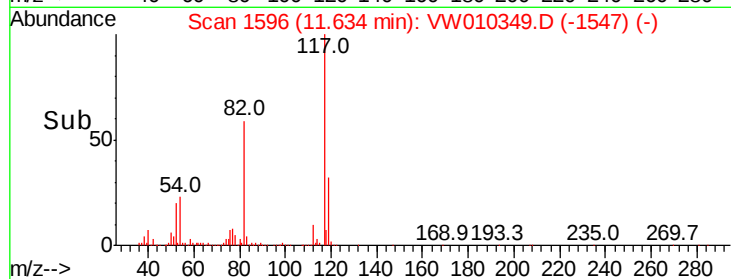
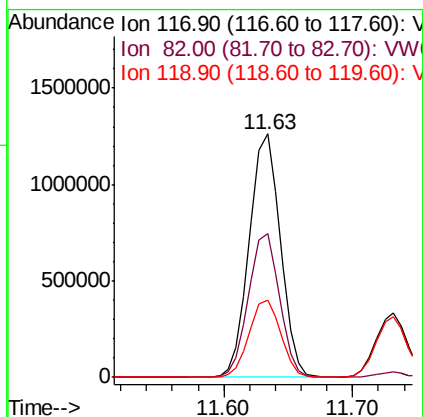
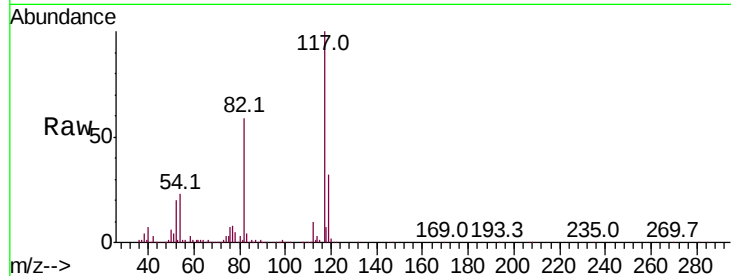
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	45.2	67.8
119	32.0	25.4	38.2

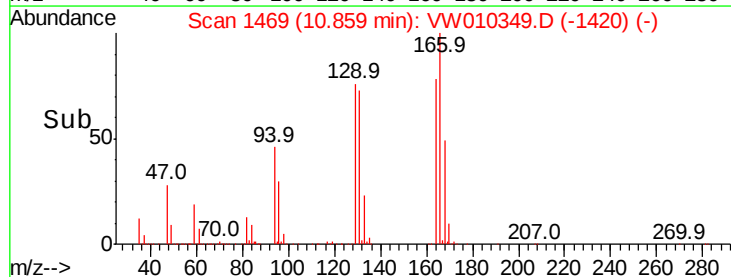
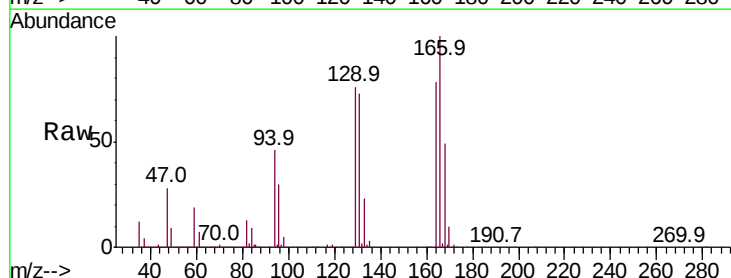
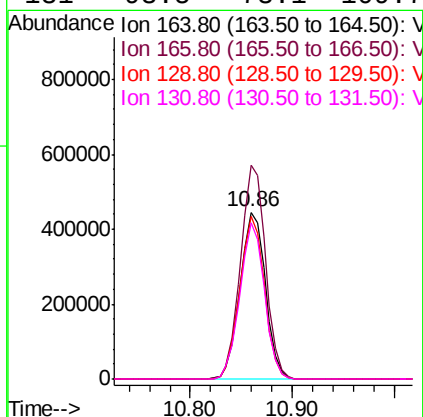
Manual Integrations
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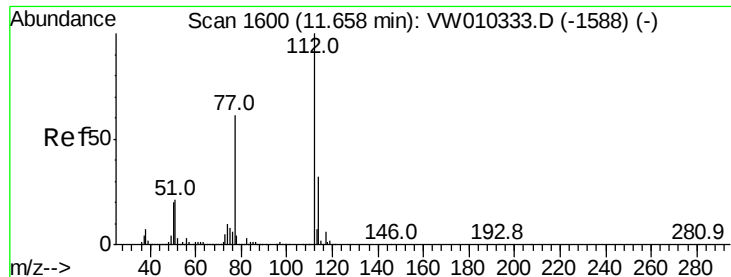
MMDadoda
5/10/2019 10:07:57 AM



#64
Tetrachloroethene
Concen: 52.089 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.2	151.8
129	97.6	77.8	116.6
131	93.5	73.1	109.7





#65

Chlorobenzene

Concen: 52.023 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 2266786

Ion Ratio Lower Upper

112 100

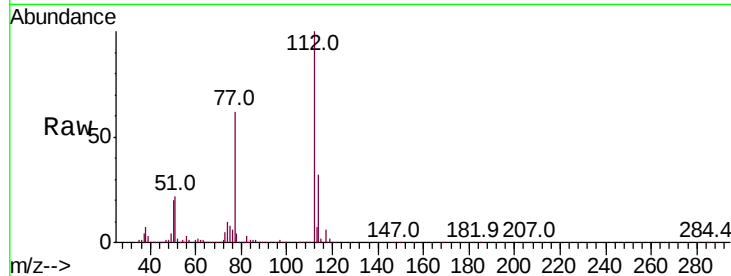
114 31.6 26.5 39.7

Manual Integrations

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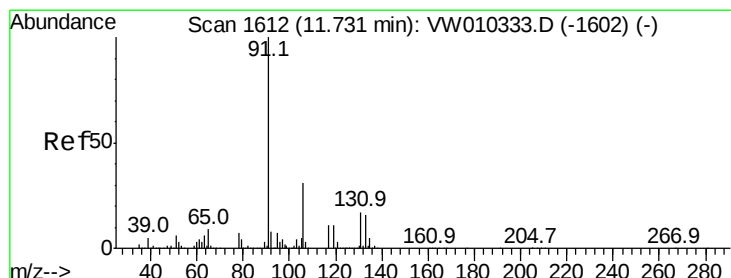
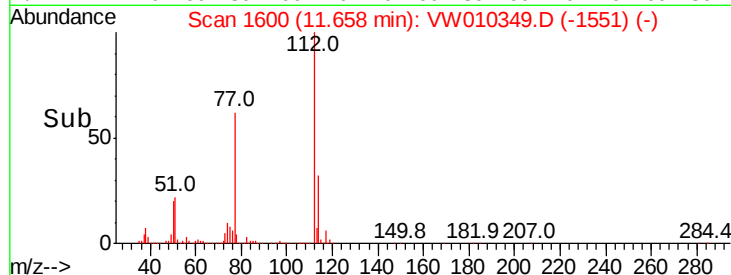
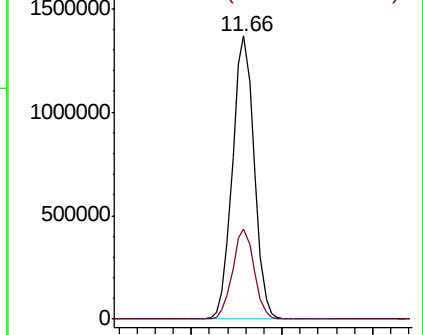
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.234 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

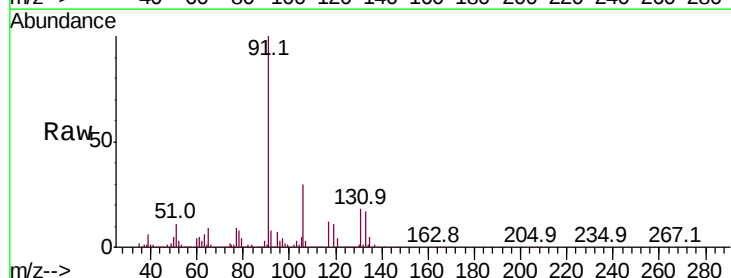
Tgt Ion:131 Resp: 798709

Ion Ratio Lower Upper

131 100

133 94.3 46.5 139.5

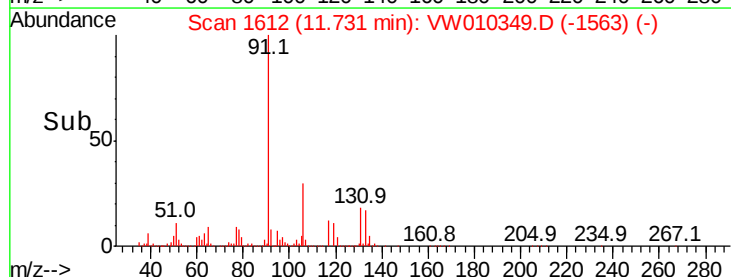
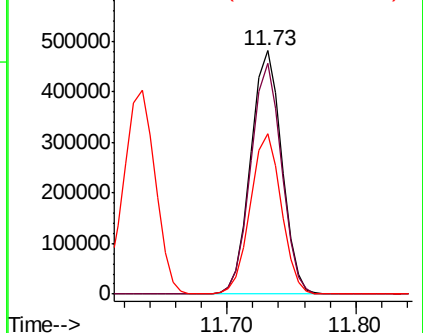
119 65.6 31.9 95.5

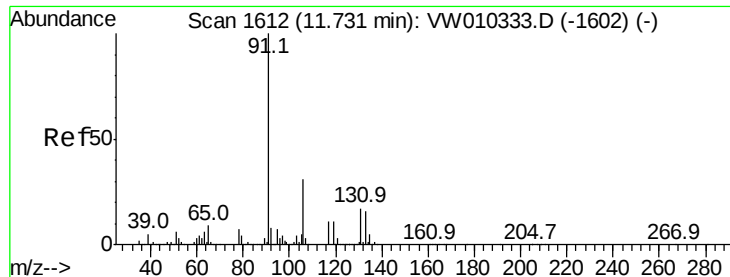


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





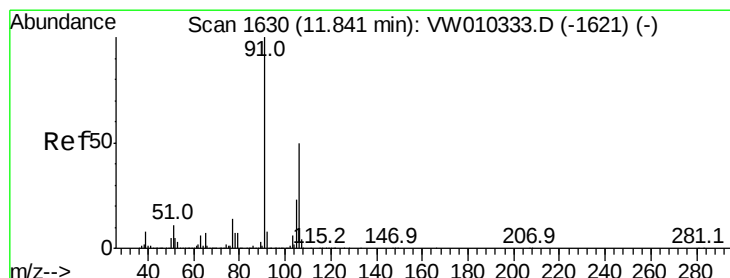
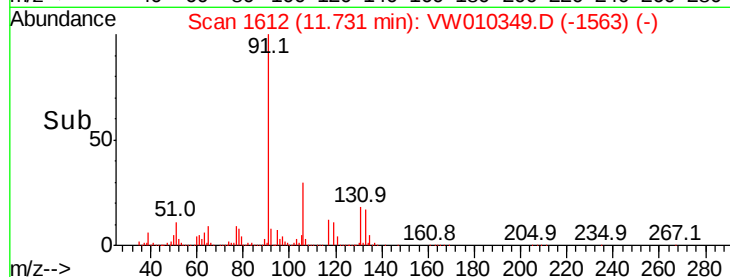
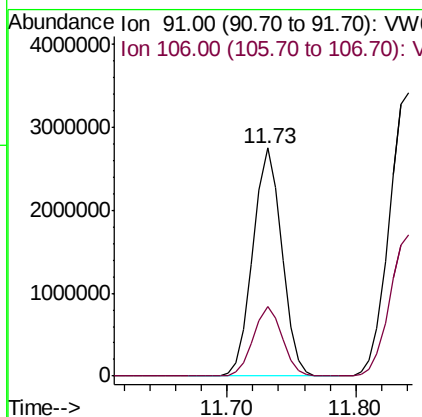
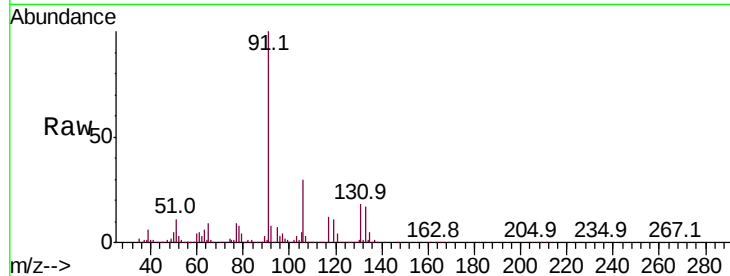
#67
Ethyl Benzene
Concen: 53.055 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 4252848
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8

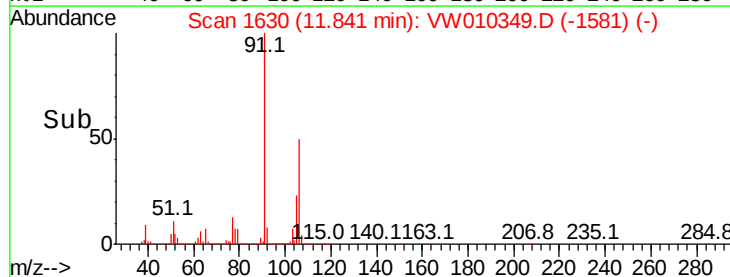
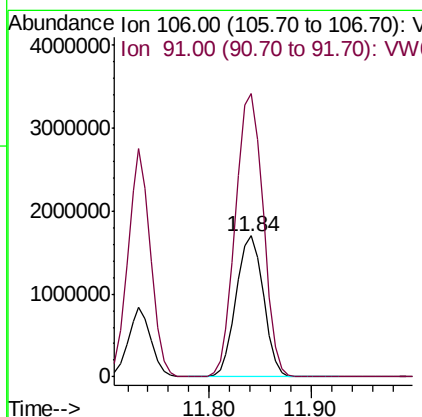
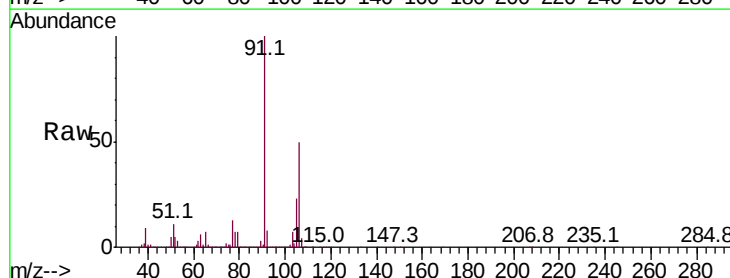
Manual Integrations
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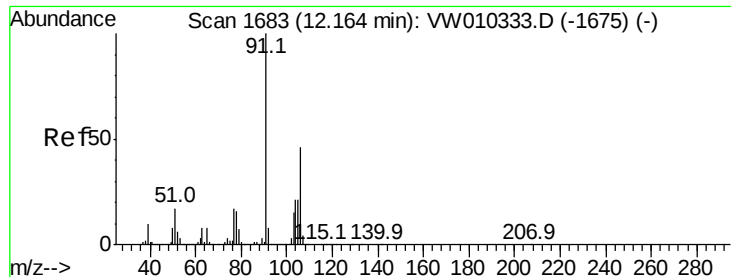
MMDadoda
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#68
m/p-Xylenes
Concen: 106.051 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 106 Resp: 3158456
Ion Ratio Lower Upper
106 100
91 203.5 165.0 247.6





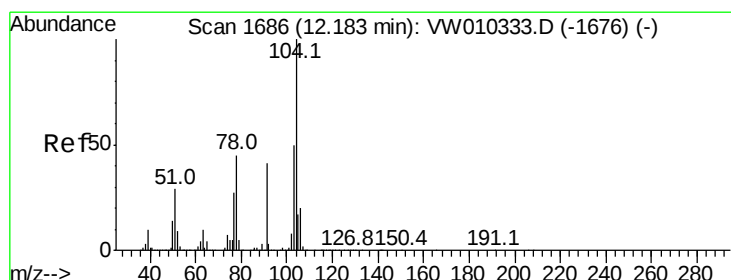
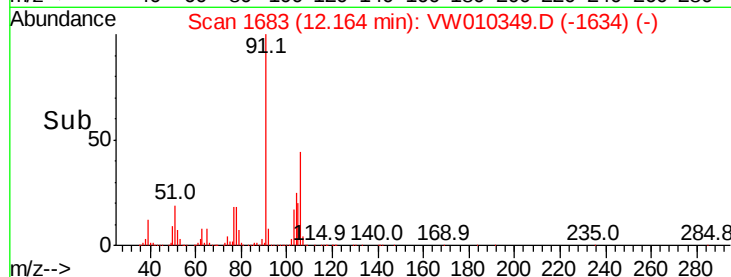
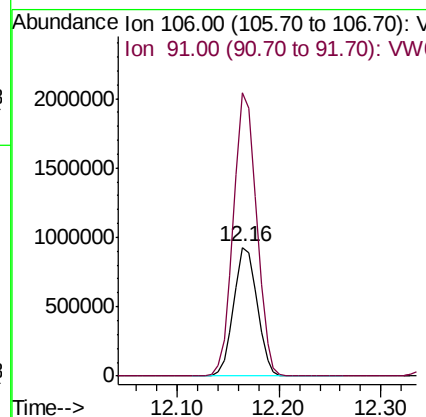
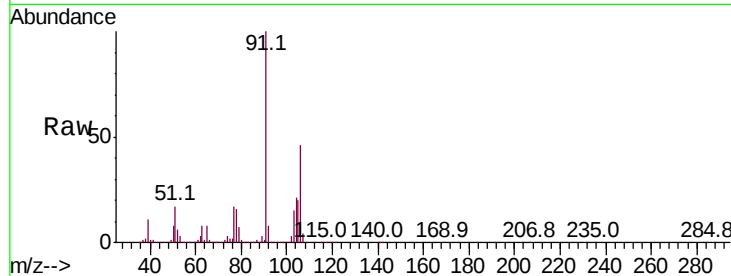
#69
o-Xylene
Concen: 54.748 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1474979
Ion Ratio Lower Upper
106 100
91 217.5 110.5 331.4

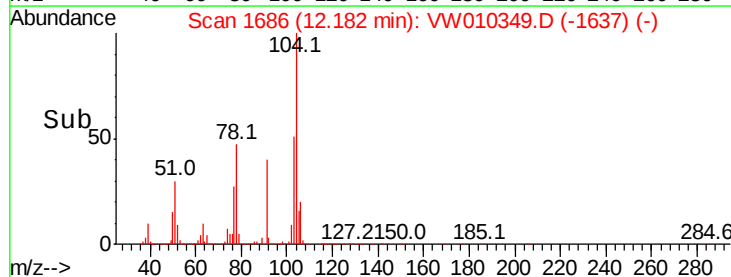
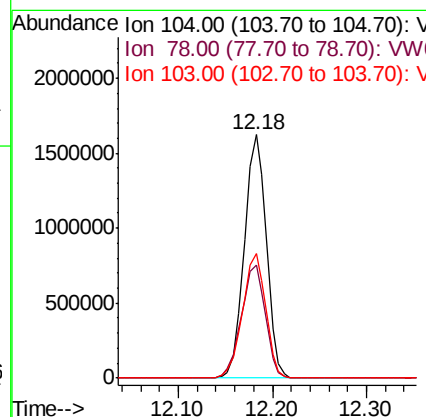
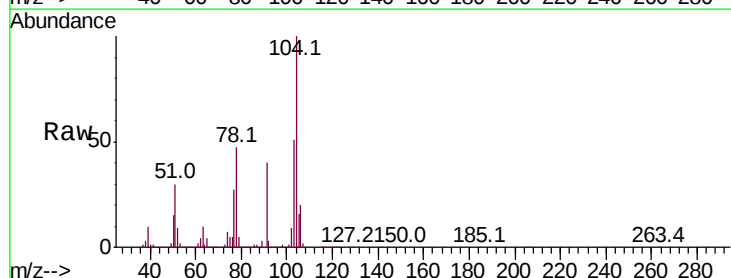
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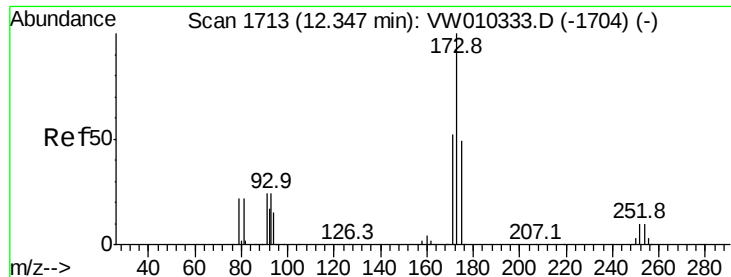
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#70
Styrene
Concen: 56.183 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion:104 Resp: 2637409
Ion Ratio Lower Upper
104 100
78 50.9 42.5 63.7
103 54.0 43.6 65.4





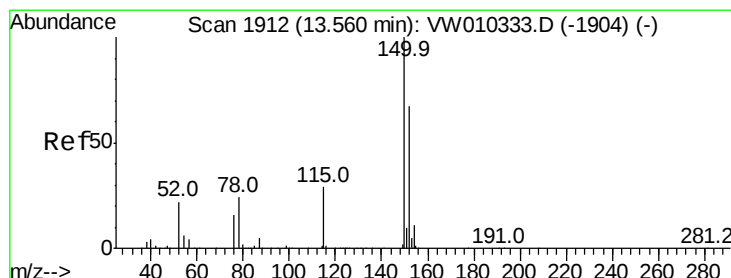
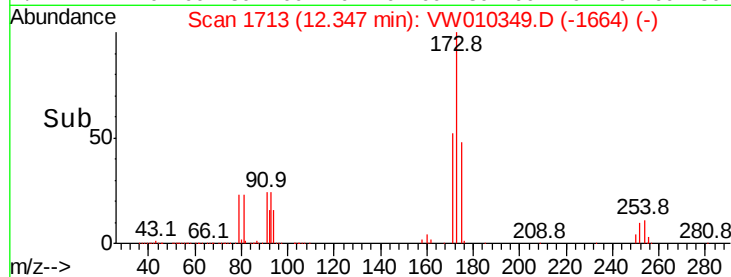
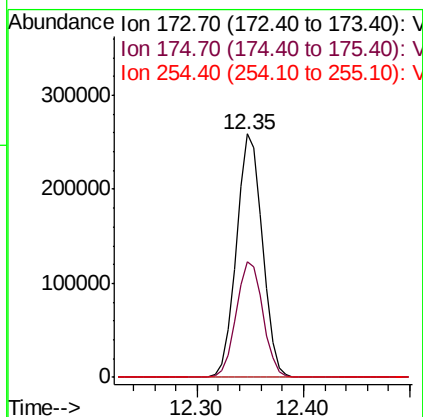
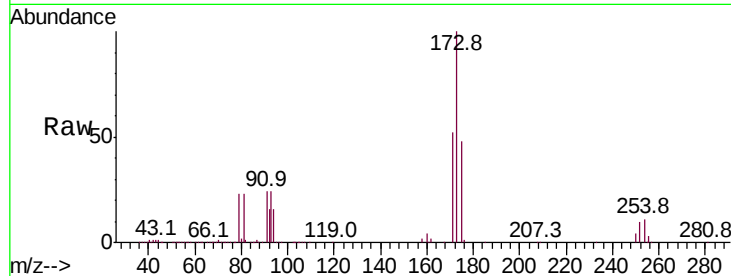
#71
Bromoform
Concen: 52.611 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.4
254	0.1	0.1	0.1#

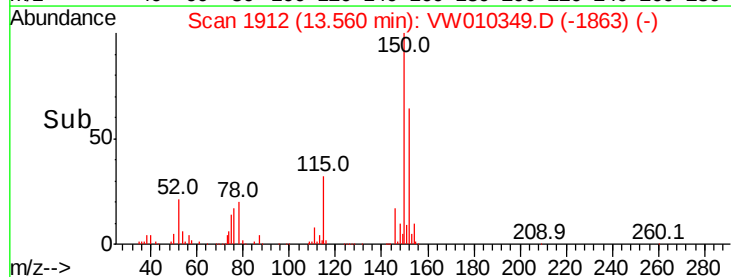
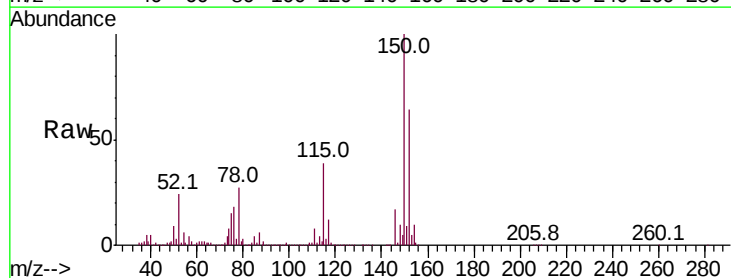
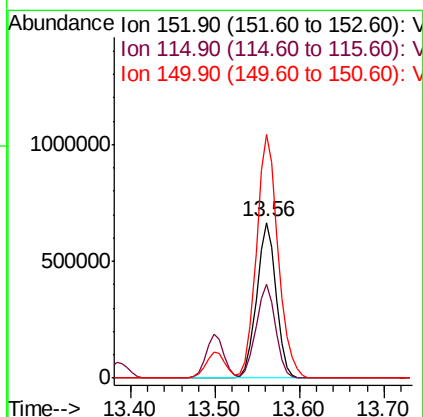
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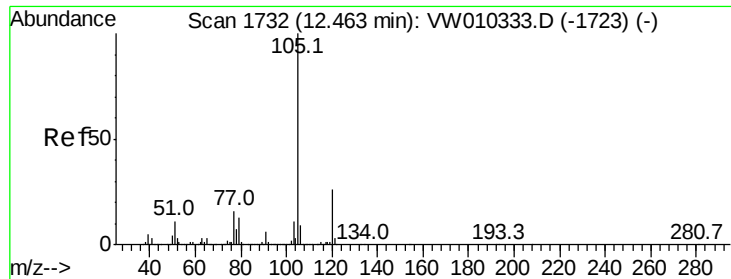
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.1	30.4	91.2
150	174.8	0.0	347.0





#73

Isopropylbenzene

Concen: 52.738 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 3995048

Ion Ratio Lower Upper

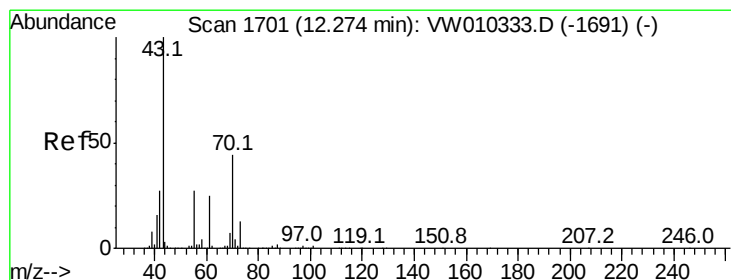
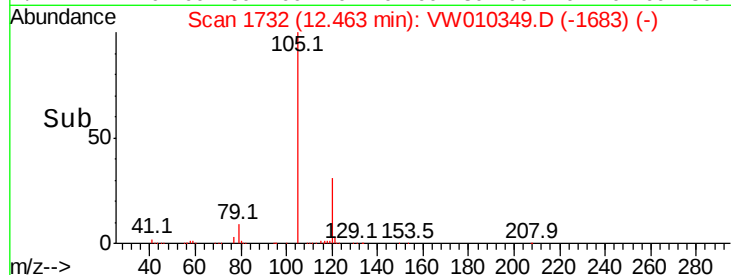
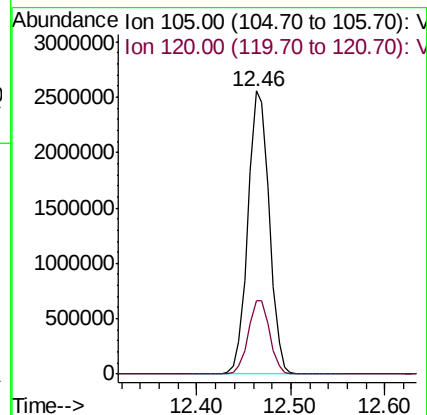
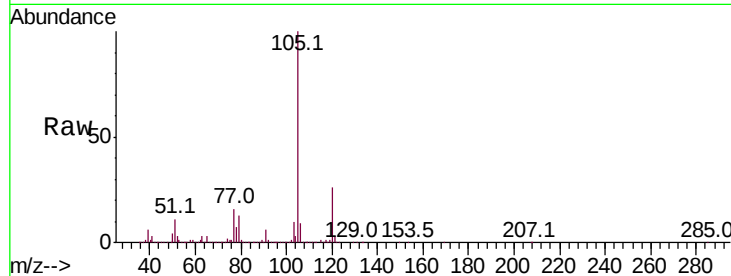
105 100

120 26.2 13.1 39.1

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#74

N-ethyl acetate

Concen: 58.005 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion: 43 Resp: 1135197

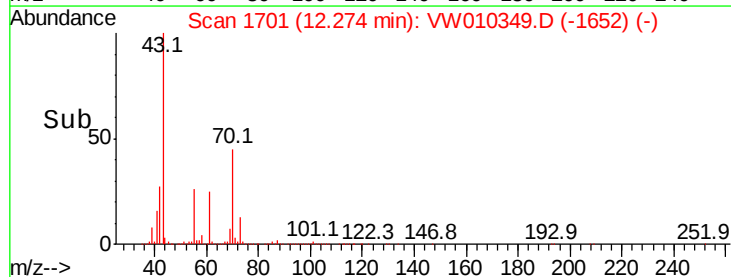
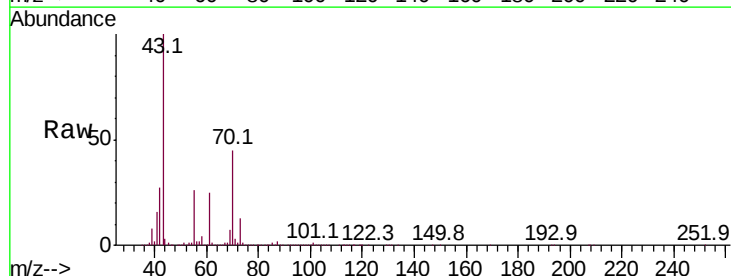
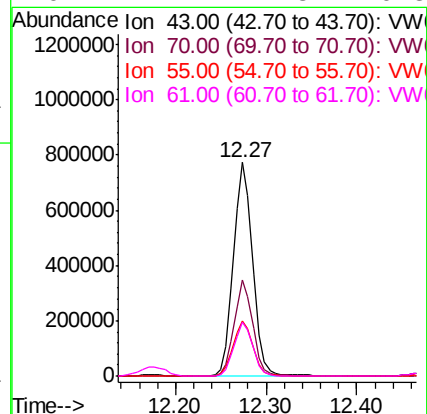
Ion Ratio Lower Upper

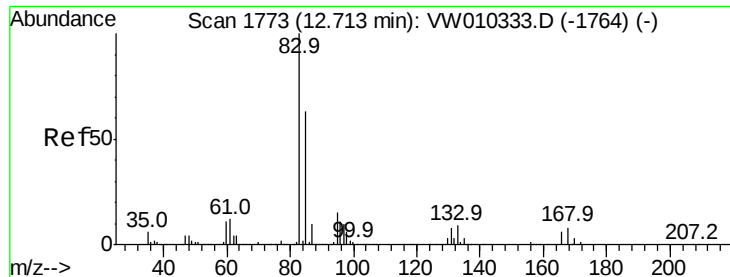
43 100

70 43.6 31.3 46.9

55 26.4 20.0 30.0

61 24.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.379 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

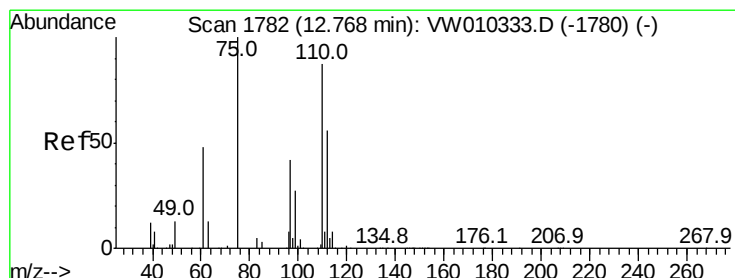
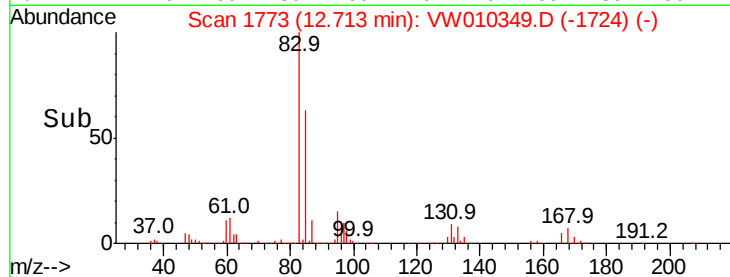
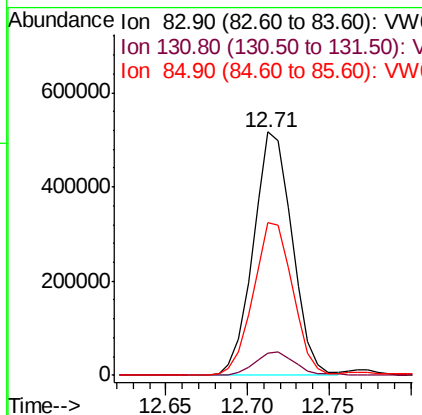
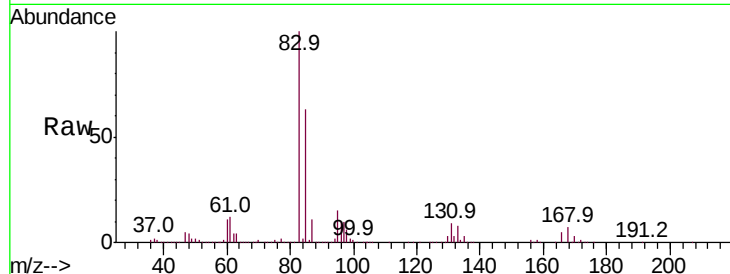
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	857577
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	15.8
85	63.7	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.200 ug/l m

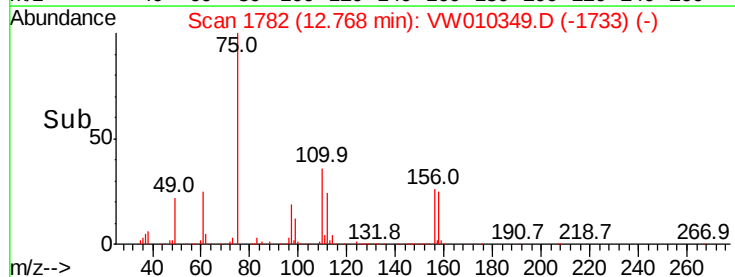
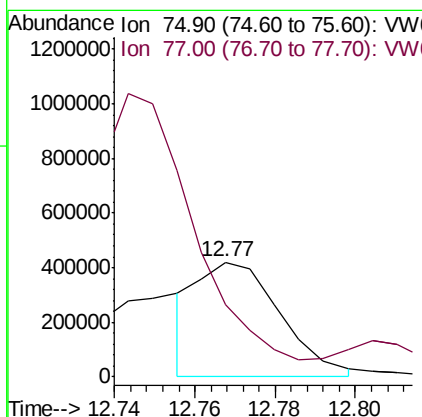
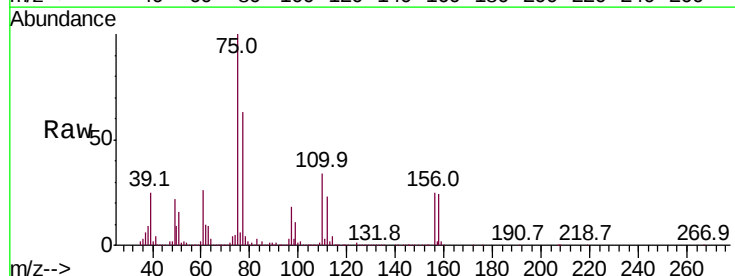
RT: 12.77 min Scan# 1782

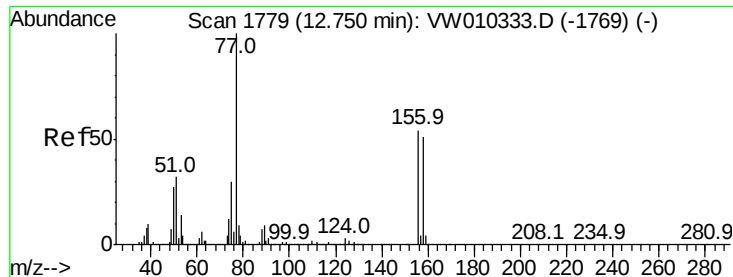
Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion:	75	Resp:	608277
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





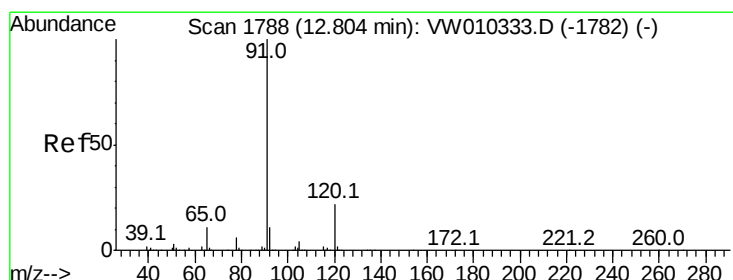
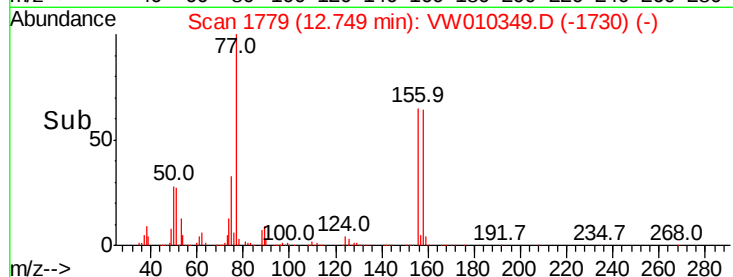
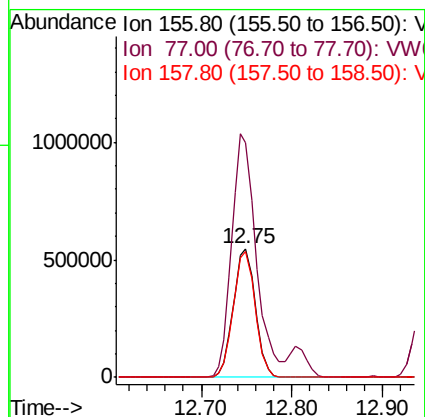
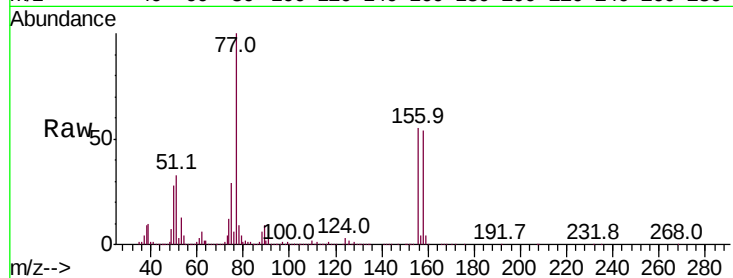
#77
Bromobenzene
Concen: 53.809 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.7	102.5	307.4
158	97.4	48.8	146.4

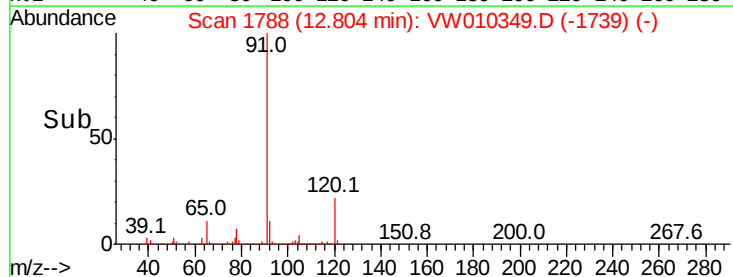
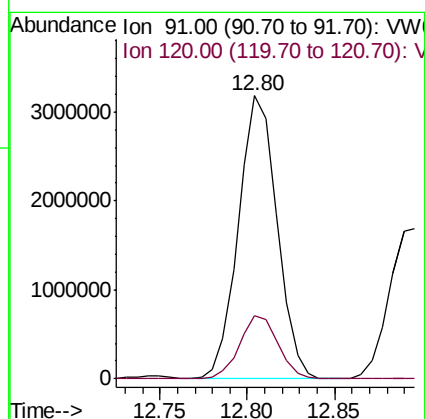
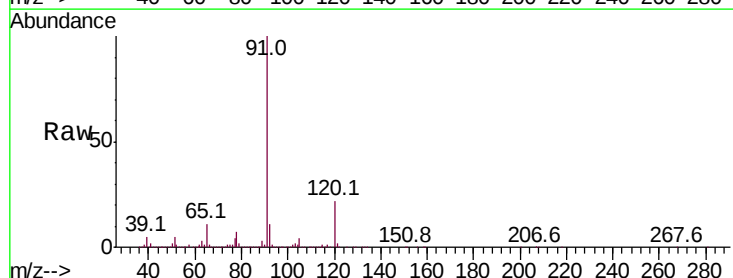
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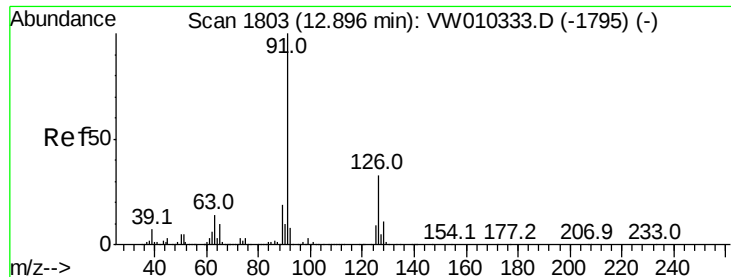
MMDadoda
5/10/2019 10:07:57 AM



#78
n-propylbenzene
Concen: 52.202 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 52.625 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 2803923

Ion Ratio Lower Upper

91 100

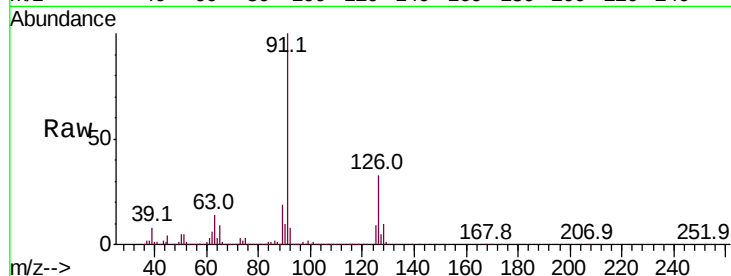
126 32.0 16.3 48.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

2000000

1500000

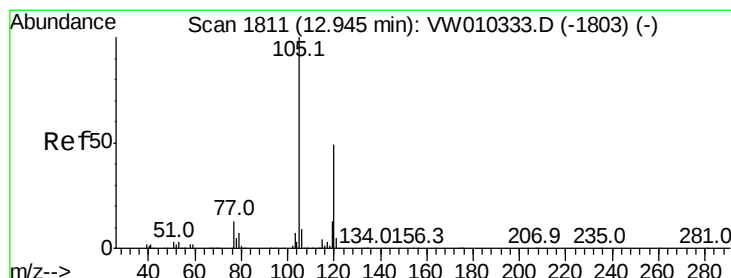
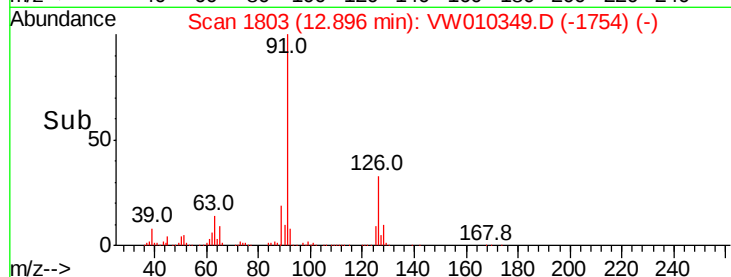
1000000

500000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.201 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW010349.D

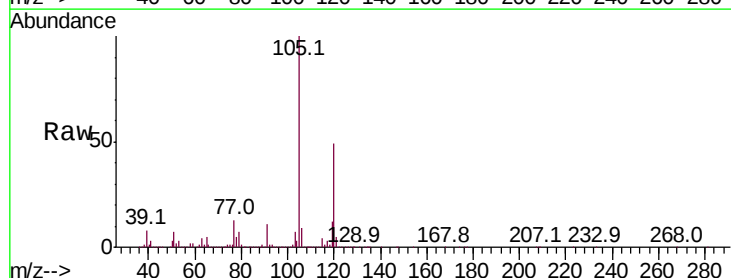
Acq: 09 May 2019 20:58

Tgt Ion:105 Resp: 3397587

Ion Ratio Lower Upper

105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

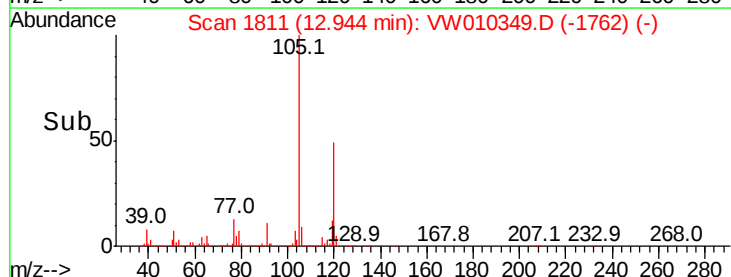
1000000

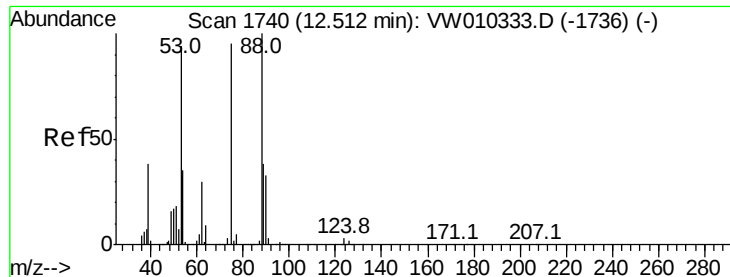
500000

0

12.90 12.94 12.98

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.685 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

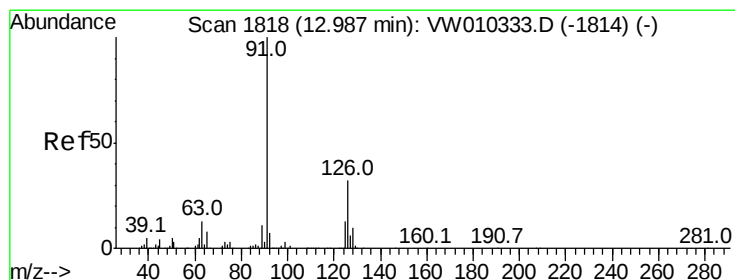
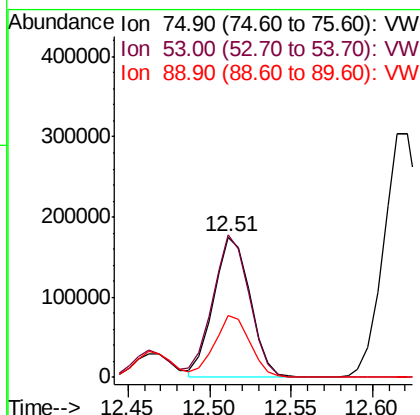
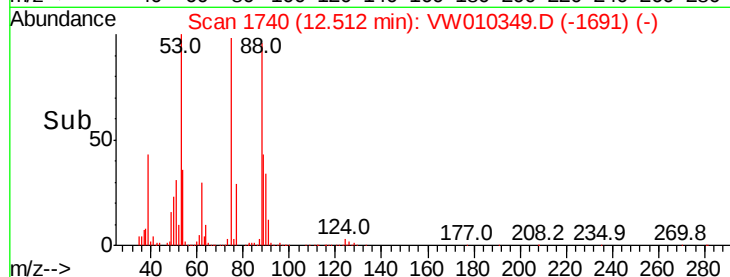
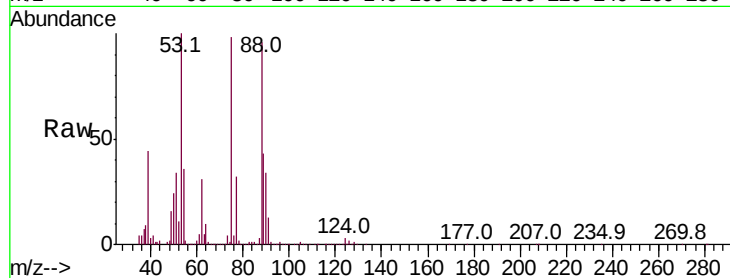
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	271954
Ion	Ratio	Lower	Upper
75	100		
53	103.0	89.8	134.8
89	43.2	36.6	54.8

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#82

4-Chlorotoluene

Concen: 52.700 ug/l

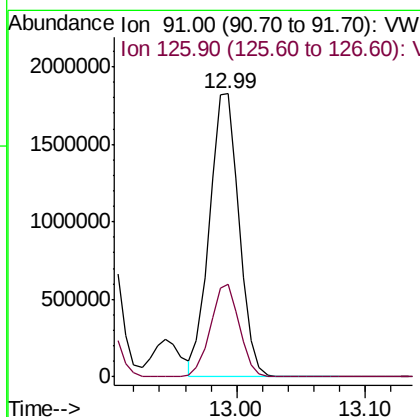
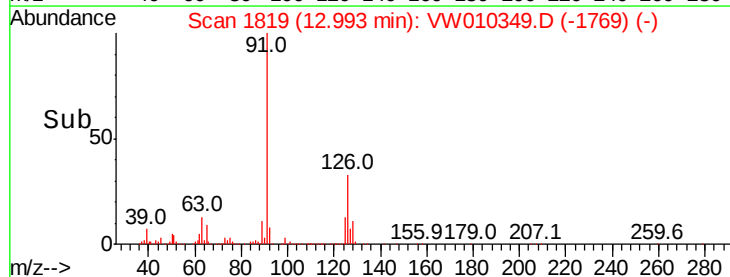
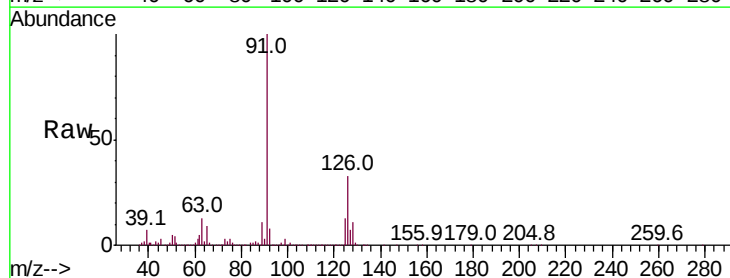
RT: 12.99 min Scan# 1819

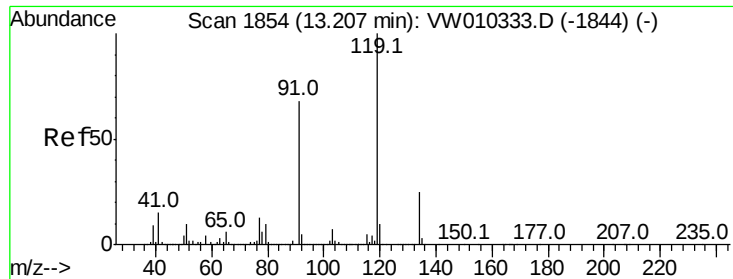
Delta R.T. 0.01 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion:	91	Resp:	2942053
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.4	49.1





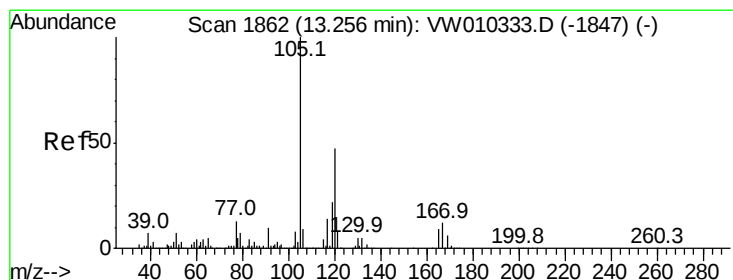
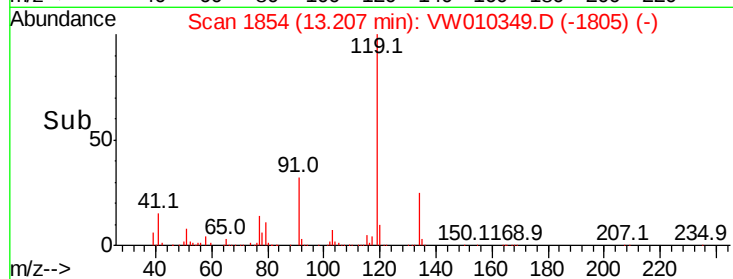
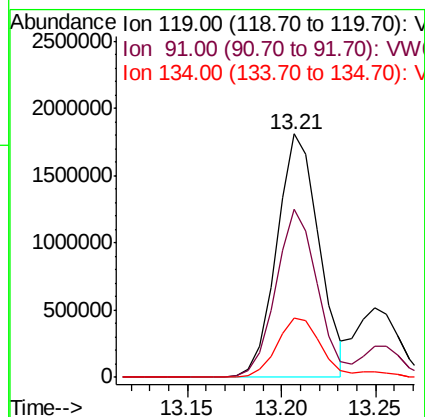
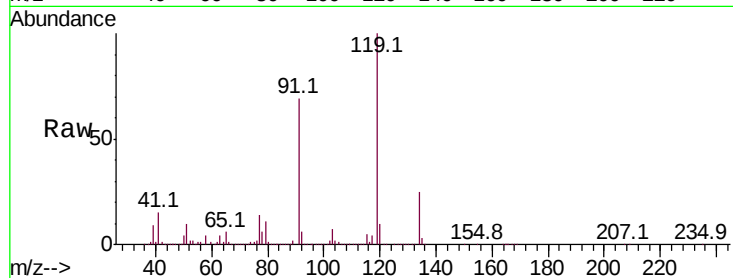
#83
tert-Butylbenzene
Concen: 52.726 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.8	104.4
134	27.0	13.7	41.1

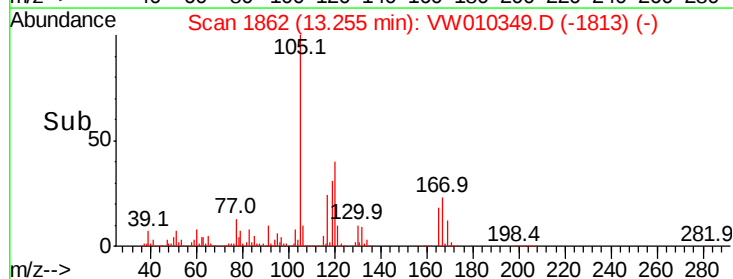
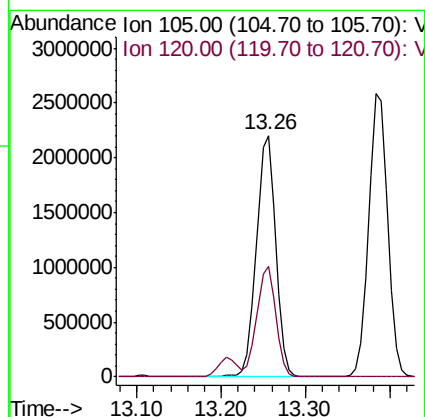
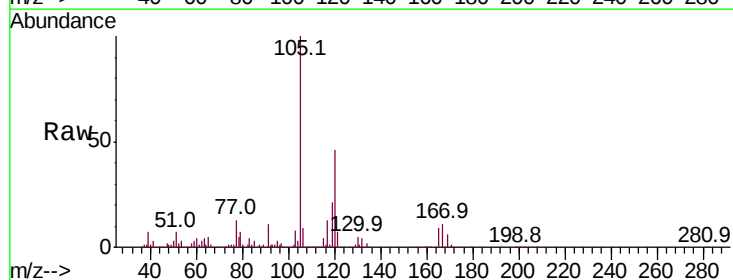
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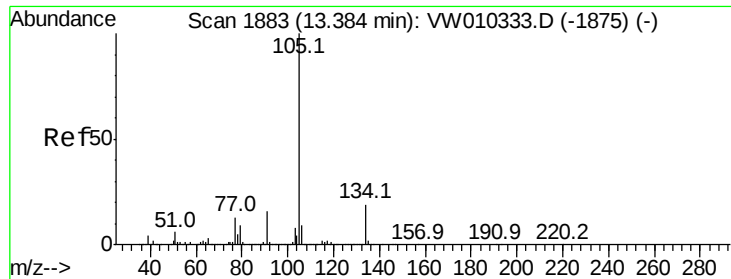
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#84
1,2,4-Trimethylbenzene
Concen: 54.006 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





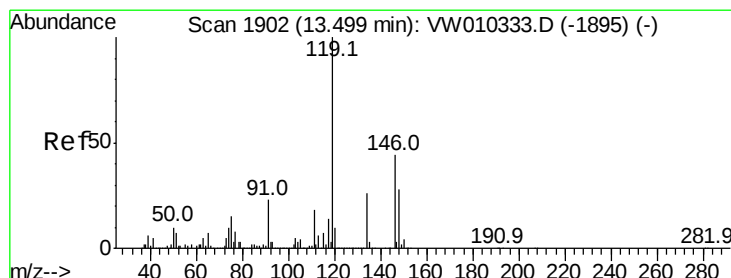
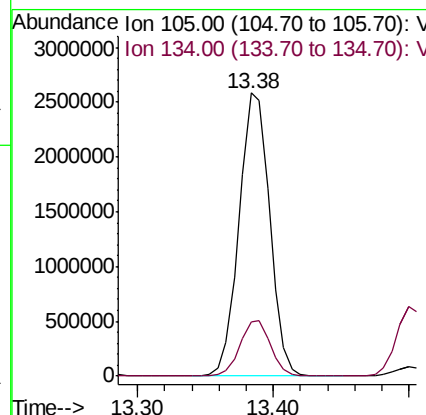
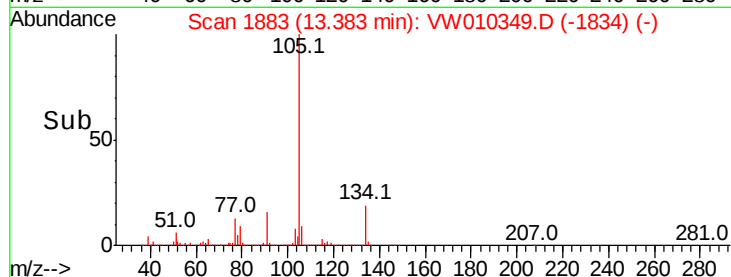
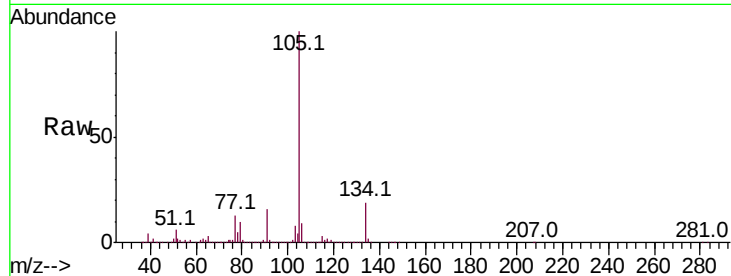
#85
 sec-Butylbenzene
 Concen: 51.513 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 4050776
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5

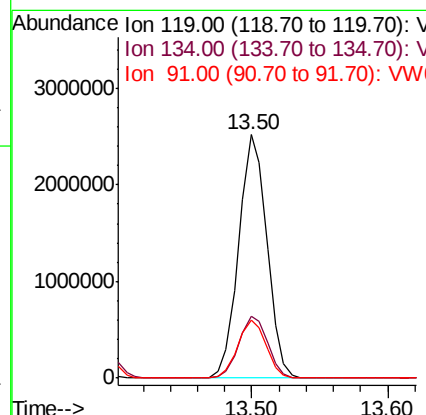
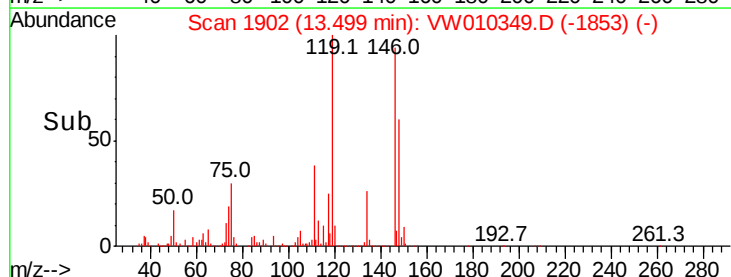
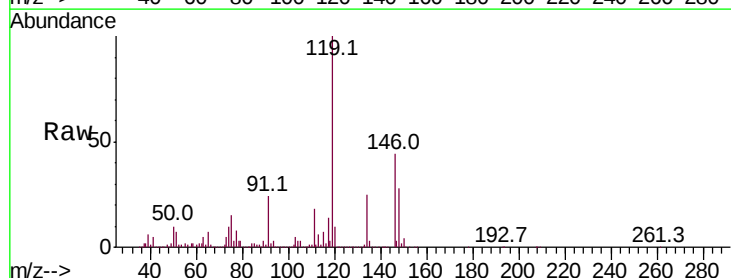
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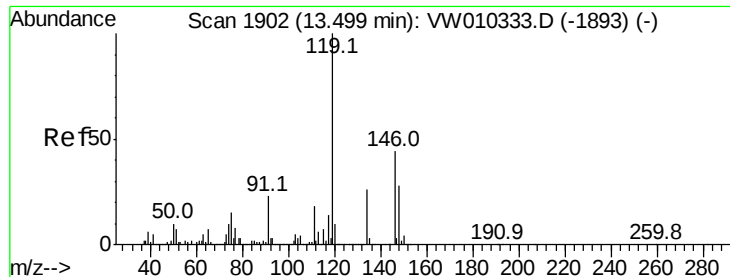
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#86
 p-Isopropyltoluene
 Concen: 52.006 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion:119 Resp: 3631016
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.0 38.9
 91 23.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 52.301 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1786362

Ion Ratio Lower Upper

146 100

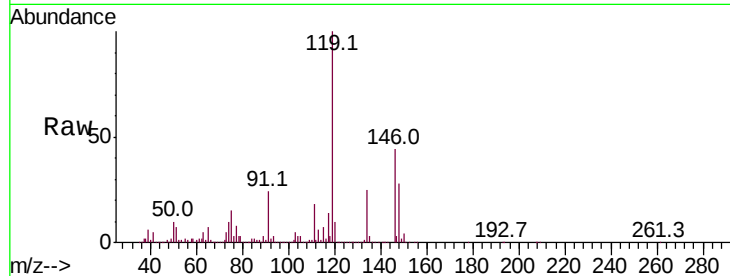
111 40.5 20.3 61.0

148 63.7 32.0 96.2

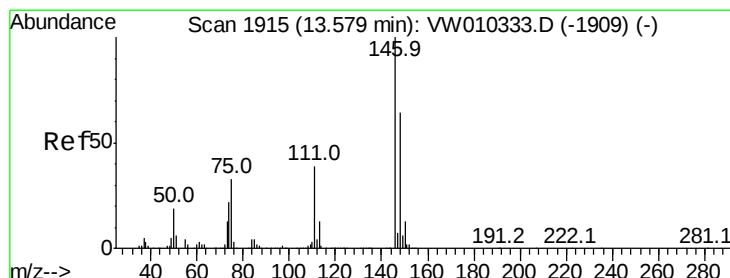
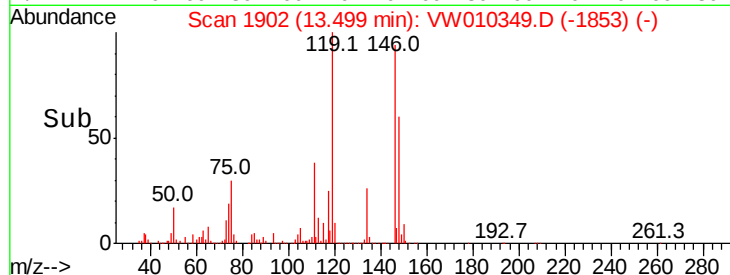
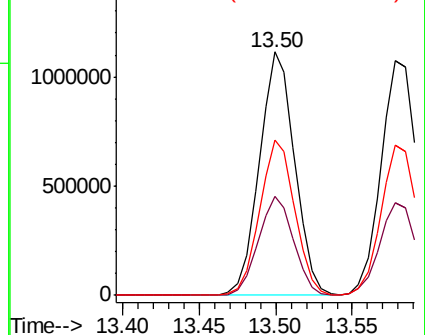
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Abundance Ion 145.90 (145.60 to 146.60): V
1500000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.694 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

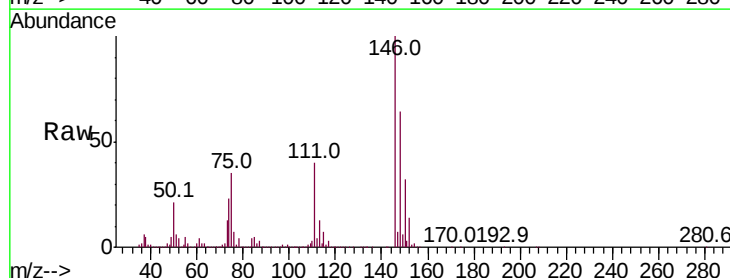
Tgt Ion:146 Resp: 1752187

Ion Ratio Lower Upper

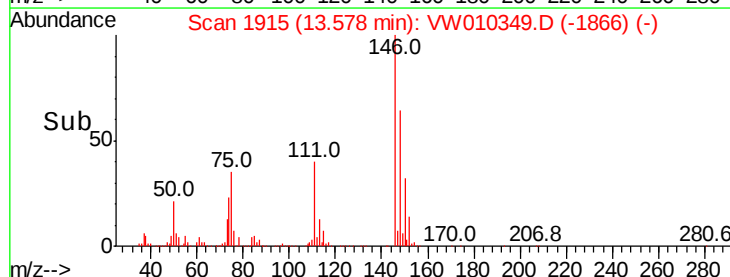
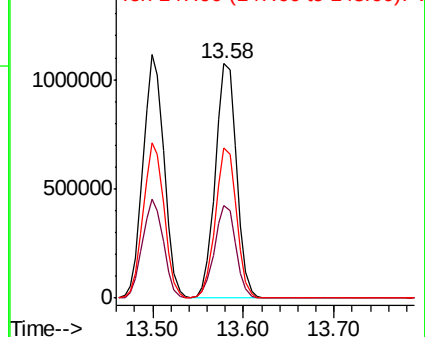
146 100

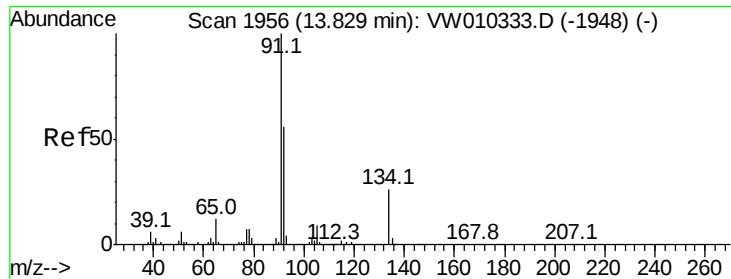
111 39.7 20.1 60.3

148 63.6 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
1500000 Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





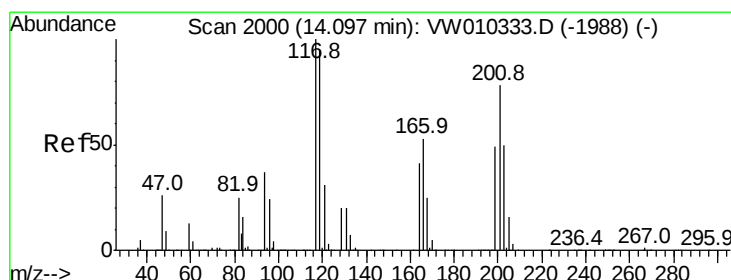
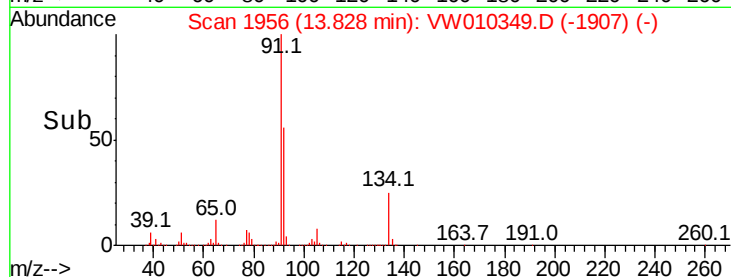
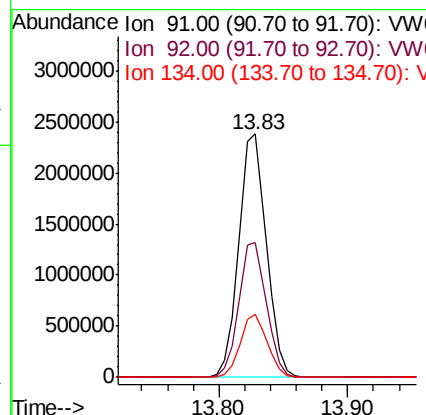
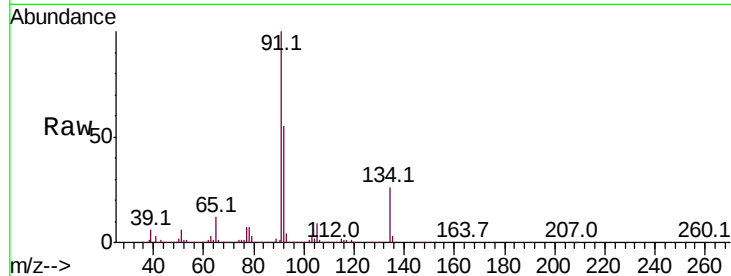
#89
n-Butylbenzene
Concen: 50.647 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 3545615
Ion Ratio Lower Upper
91 100
92 55.3 26.5 79.4
134 25.1 12.4 37.0

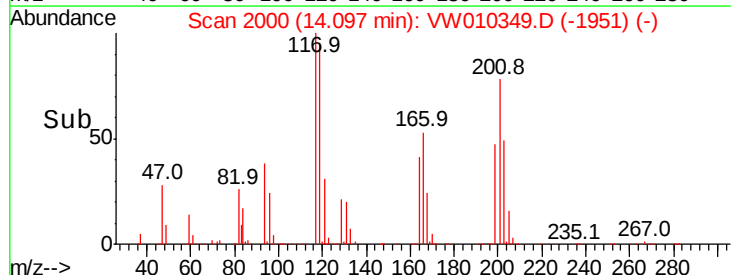
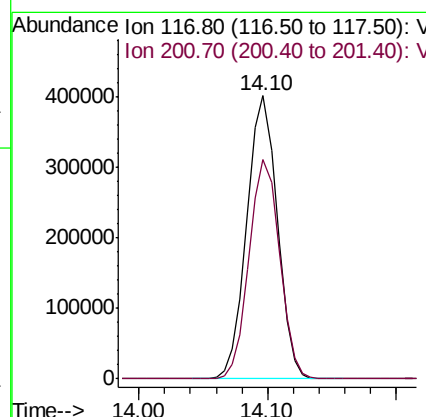
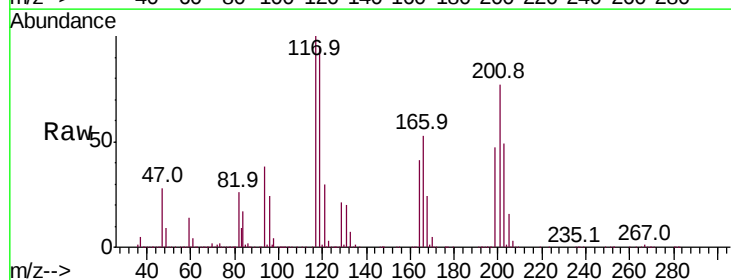
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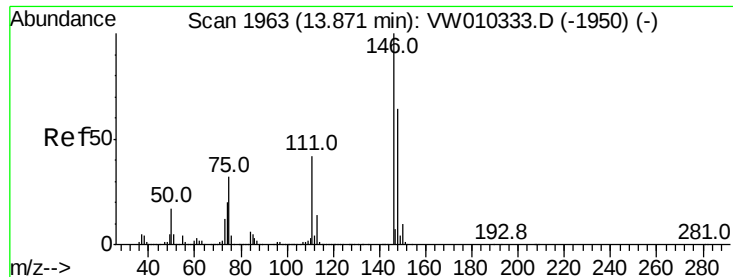
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#90
Hexachloroethane
Concen: 50.659 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW010349.D
Acq: 09 May 2019 20:58

Tgt Ion: 117 Resp: 656021
Ion Ratio Lower Upper
117 100
201 77.7 36.1 108.3





#91

1,2-Dichlorobenzene

Concen: 53.142 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

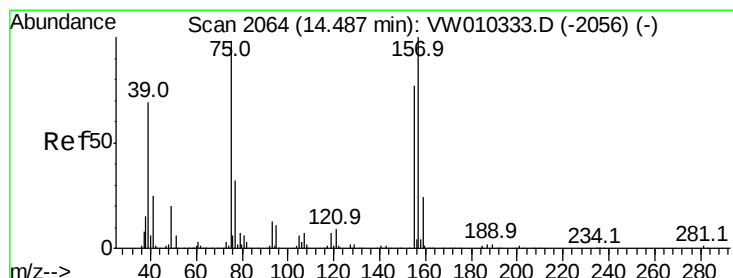
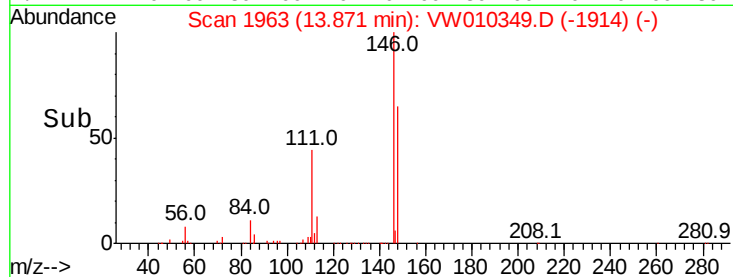
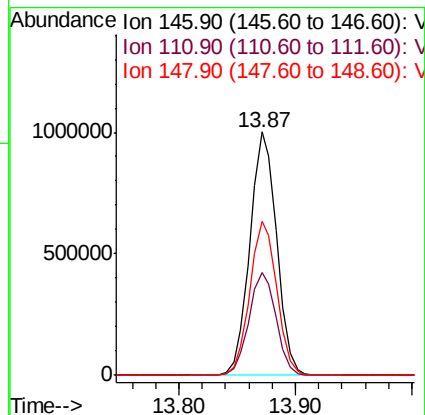
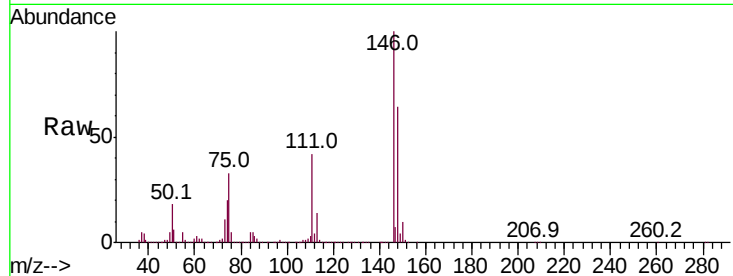
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	1606721
Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.9	62.8
148	63.9	31.9	95.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.675 ug/l

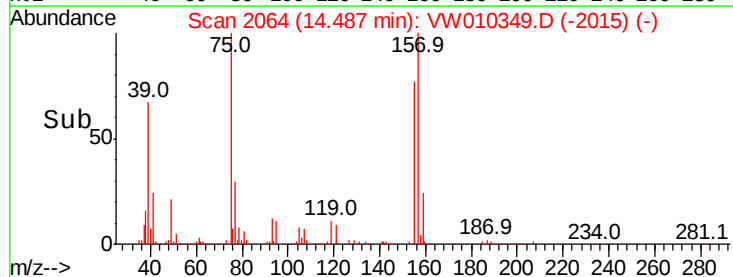
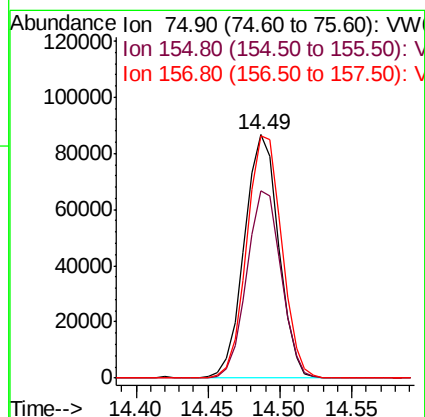
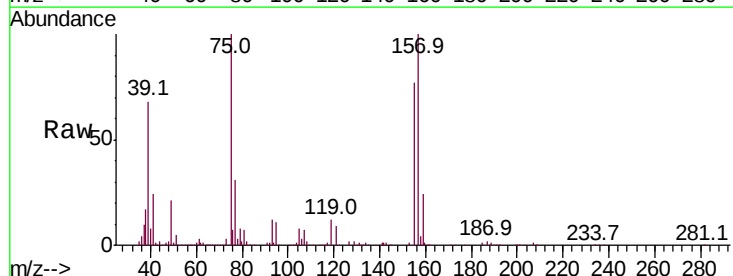
RT: 14.49 min Scan# 2064

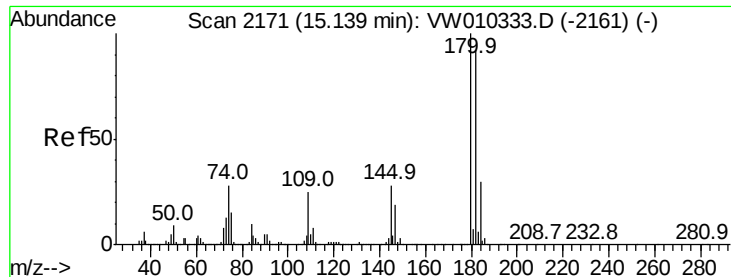
Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Tgt Ion:	75	Resp:	143296
Ion	Ratio	Lower	Upper
75	100		
155	77.1	37.1	111.5
157	100.7	47.3	141.9





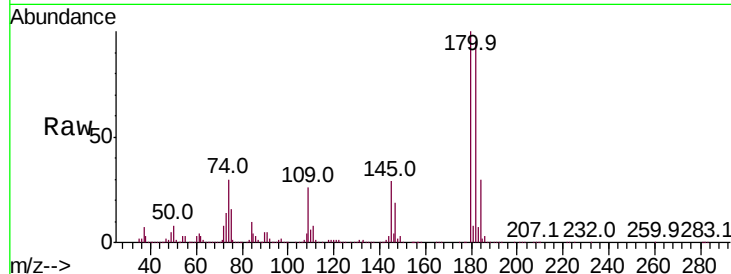
#93
 1,2,4-Trichlorobenzene
 Concen: 52.548 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

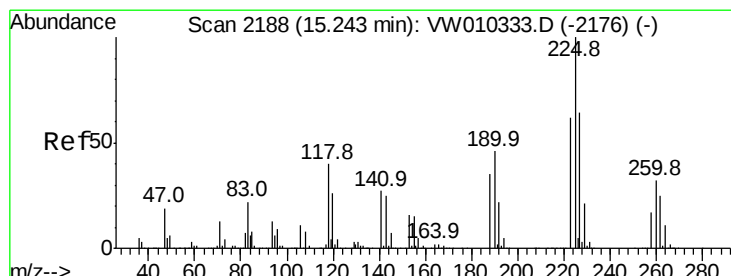
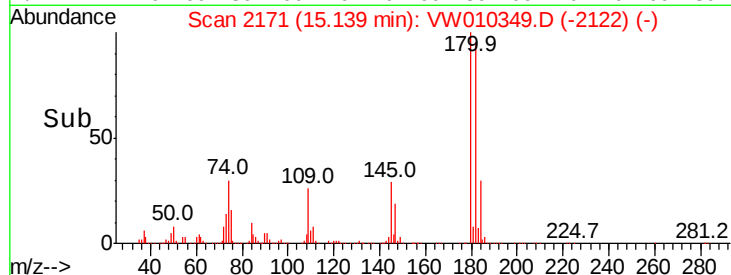
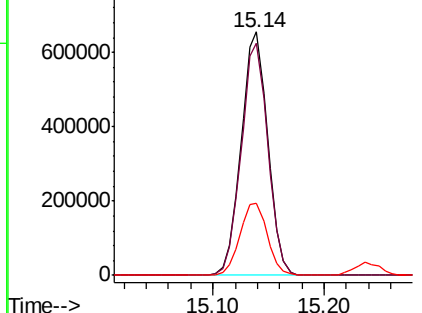
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.4
145	30.5	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:57 AM

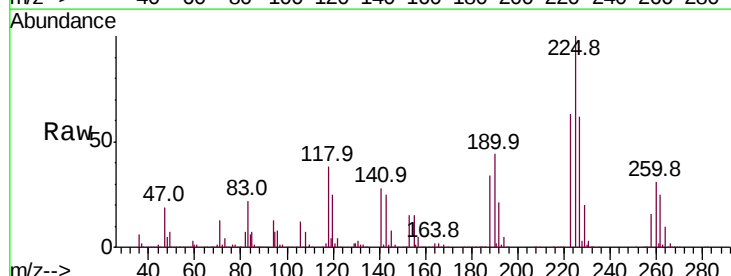


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

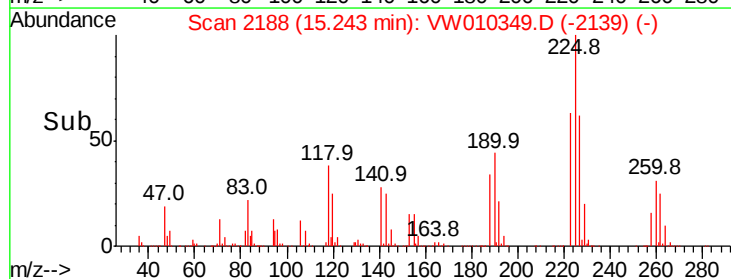
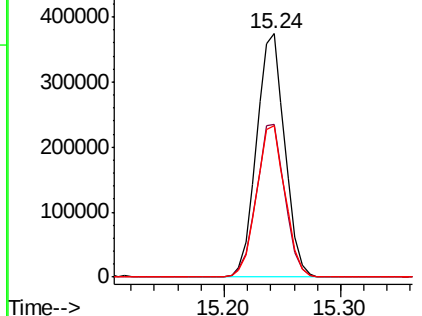


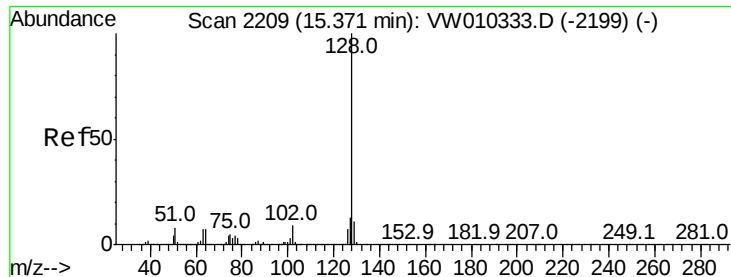
#94
 Hexachlorobutadiene
 Concen: 47.702 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW010349.D
 Acq: 09 May 2019 20:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.5
227	62.8	31.8	95.3



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





#95

Naphthalene

Concen: 49.127 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 2312675

Ion Ratio Lower Upper

128 100

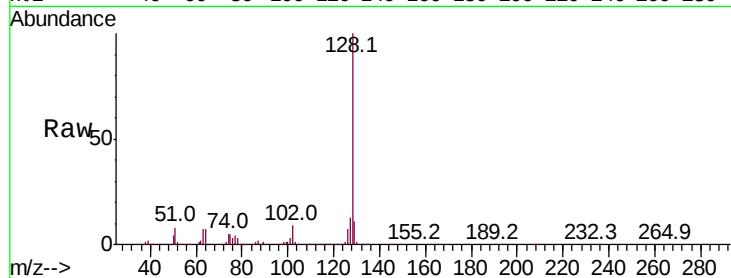
127 13.2 10.6 15.8

129 11.0 8.7 13.1

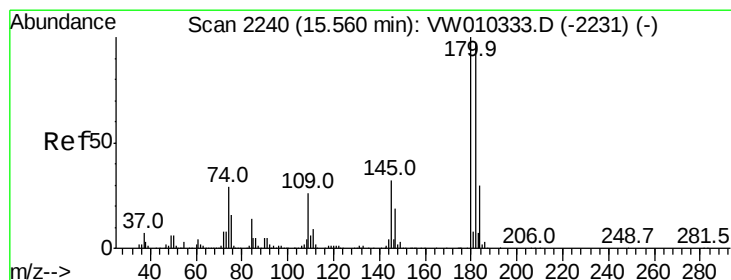
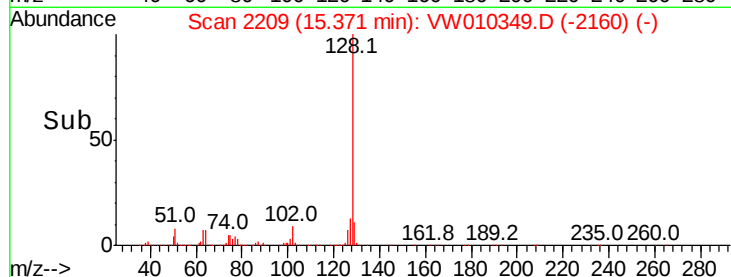
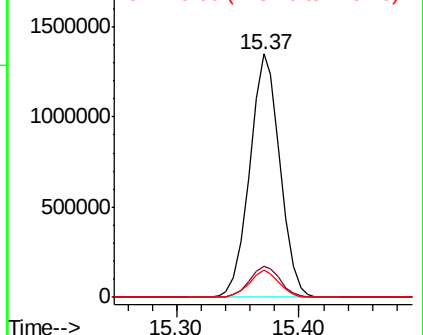
Manual Integrations
APPROVED

MMDadoda

5/10/2019 10:07:57 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 53.301 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010349.D

Acq: 09 May 2019 20:58

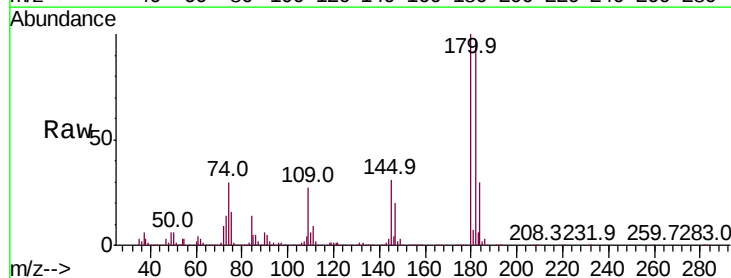
Tgt Ion:180 Resp: 993611

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.3

145 31.9 16.4 49.2



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

