

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009568.D
 Acq On : 29 Mar 2019 11:43
 Operator : SY/VA
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:47 AM

Quant Time: Mar 29 13:23:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	325592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	499822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	255145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	366135	96.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.78%	
35) Dibromofluoromethane	7.88	113	306787	97.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.46%	
50) Toluene-d8	10.32	98	1174241	96.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.88%	
62) 4-Bromofluorobenzene	12.62	95	449357	98.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	191512	100.598	ug/l	94
3) Chloromethane	2.22	50	270706	107.462	ug/l	98
4) Vinyl Chloride	2.37	62	340744	98.546	ug/l	98
5) Bromomethane	2.78	94	258438	98.953	ug/l	99
6) Chloroethane	2.92	64	254403	97.327	ug/l	98
7) Trichlorofluoromethane	3.26	101	240056	100.059	ug/l	98
8) Diethyl Ether	3.68	74	162235	95.714	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	310321	96.870	ug/l	96
10) Methyl Iodide	4.27	142	436487	97.000	ug/l	97
11) Tert butyl alcohol	5.21	59	106808	511.933	ug/l	99
12) 1,1-Dichloroethene	4.04	96	294402	96.860	ug/l	96
13) Acrolein	3.89	56	78244	495.514	ug/l	98
14) Allyl chloride	4.66	41	490507	97.836	ug/l	97
15) Acrylonitrile	5.37	53	390173	519.416	ug/l	99
16) Acetone	4.13	43	394446	469.101	ug/l	96
17) Carbon Disulfide	4.38	76	827551	97.468	ug/l	99
18) Methyl Acetate	4.67	43	208433	106.126	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	461358	105.050	ug/l	96
20) Methylene Chloride	4.91	84	313265	94.424	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	320177	98.016	ug/l	89
22) Diisopropyl ether	6.31	45	1121891	102.427	ug/l	95
23) Vinyl Acetate	6.25	43	3748879	543.105	ug/l	99
24) 1,1-Dichloroethane	6.21	63	627821	97.833	ug/l	99
25) 2-Butanone	7.17	43	621620	543.001	ug/l	96
26) 2,2-Dichloropropane	7.17	77	349002	95.055	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	363523	100.472	ug/l	97
28) Bromochloromethane	7.51	49	289144	106.776	ug/l	94
29) Tetrahydrofuran	7.53	42	391444	546.237	ug/l	98
30) Chloroform	7.67	83	657372	99.607	ug/l	99
31) Cyclohexane	7.95	56	559092	97.595	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	519787	96.714	ug/l	97
36) 1,1-Dichloropropene	8.08	75	501778	96.452	ug/l	100
37) Ethyl Acetate	7.26	43	257436	105.346	ug/l	99
38) Carbon Tetrachloride	8.06	117	517277	98.202	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:10:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	608880	101.583	ug/l	94
40) Benzene	8.32	78	1379015	98.009	ug/l	99
41) Methacrylonitrile	7.48	41	171944	118.261	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	476424	101.457	ug/l	99
43) Isopropyl Acetate	8.42	43	527074	111.318	ug/l	98
44) Trichloroethene	9.09	130	357180	98.356	ug/l	98
45) 1,2-Dichloropropane	9.37	63	349547	97.429	ug/l	99
46) Dibromomethane	9.46	93	196958	102.681	ug/l	96
47) Bromodichloromethane	9.64	83	502874	100.629	ug/l	96
48) Methyl methacrylate	9.43	41	257268	109.585	ug/l	95
49) 1,4-Dioxane	9.47	88	60633	2044.399	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	1429668	550.830	ug/l	100
52) Toluene	10.38	92	891536	98.795	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	527322	105.989	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	573969	103.796	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	270592	103.717	ug/l	97
56) Ethyl methacrylate	10.65	69	382413	112.743	ug/l	98
57) 1,3-Dichloropropane	10.93	76	485102	103.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	957682	576.311	ug/l	97
59) 2-Hexanone	10.97	43	1027740	556.558	ug/l	99
60) Dibromochloromethane	11.13	129	335983	106.060	ug/l	99
61) 1,2-Dibromoethane	11.23	107	261559	103.880	ug/l	99
64) Tetrachloroethene	10.86	164	305335	98.165	ug/l	95
65) Chlorobenzene	11.66	112	974664	99.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	364038	101.238	ug/l	99
67) Ethyl Benzene	11.73	91	1803148	100.572	ug/l	100
68) m/p-Xylenes	11.84	106	1367763	200.759	ug/l	99
69) o-Xylene	12.16	106	654143	102.348	ug/l	99
70) Styrene	12.18	104	1105421	102.369	ug/l	100
71) Bromoform	12.35	173	209358	107.892	ug/l #	99
73) Isopropylbenzene	12.46	105	1873643	99.420	ug/l	100
74) N-amyl acetate	12.27	43	540187	113.669	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	345599	103.981	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	242934m	100.672	ug/l	
77) Bromobenzene	12.75	156	411891	98.061	ug/l	96
78) n-propylbenzene	12.80	91	2272993	97.908	ug/l	100
79) 2-Chlorotoluene	12.90	91	1273505	97.625	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1564108	98.076	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	116447	112.660	ug/l	99
82) 4-Chlorotoluene	12.99	91	1341928	97.678	ug/l	99
83) tert-Butylbenzene	13.21	119	1366470	100.703	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1606624	97.563	ug/l	99
85) sec-Butylbenzene	13.38	105	2010266	97.548	ug/l	99
86) p-Isopropyltoluene	13.50	119	1774727	99.082	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	840624	97.224	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	827702	96.282	ug/l	99
89) n-Butylbenzene	13.83	91	1732922	98.243	ug/l	99
90) Hexachloroethane	14.10	117	330386	99.572	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	756101	97.143	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	63539	103.830	ug/l	98

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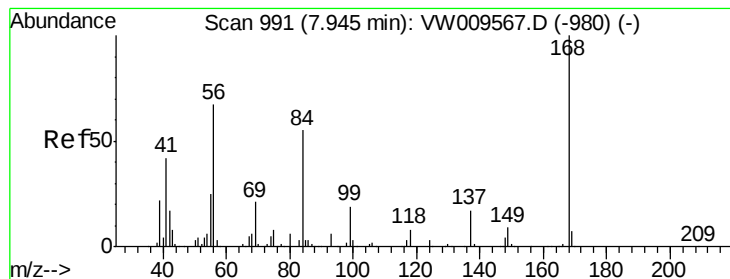
Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:10:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	530497	102.894	ug/l	99
94) Hexachlorobutadiene	15.24	225	313308	97.758	ug/l	99
95) Naphthalene	15.37	128	1057191	110.506	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	470982	103.681	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 325592

Ion Ratio Lower Upper

168 100

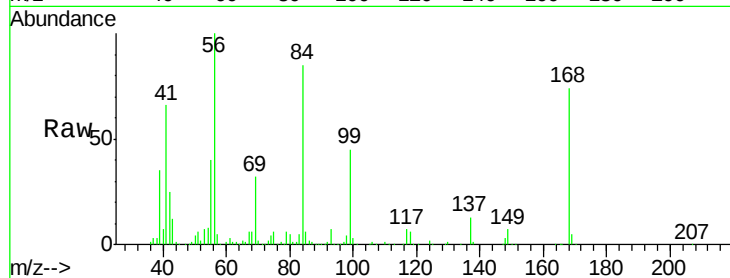
99 61.0 45.4 68.0

Manual Integrations

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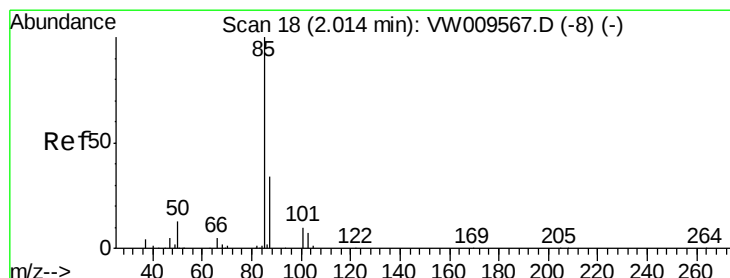
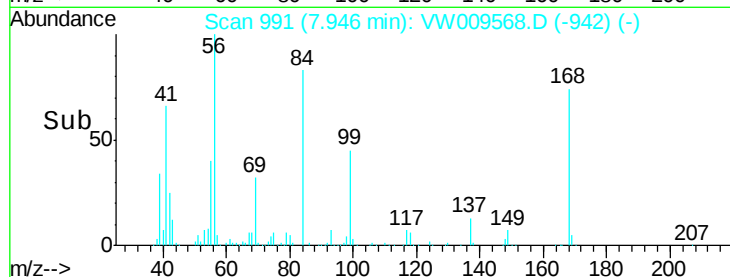
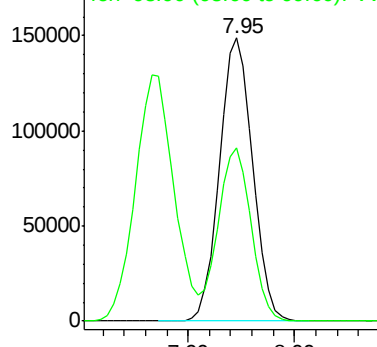
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 100.598 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009568.D

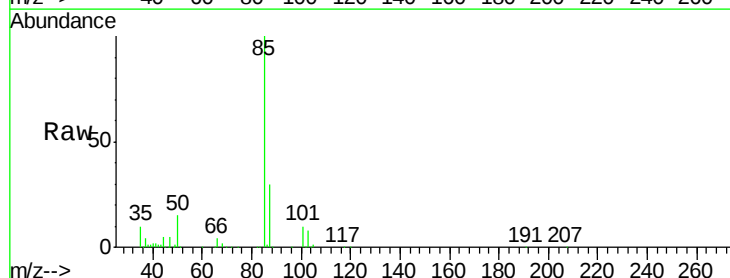
Acq: 29 Mar 2019 11:43

Tgt Ion: 85 Resp: 191512

Ion Ratio Lower Upper

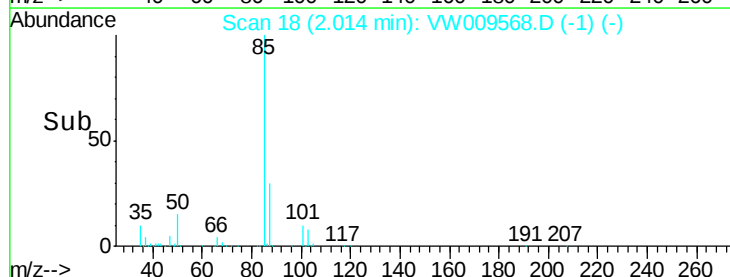
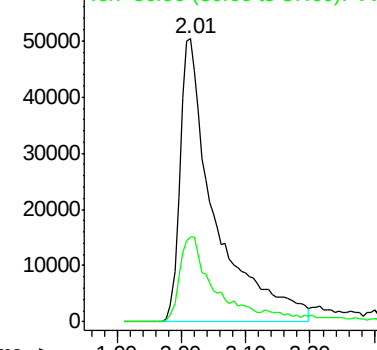
85 100

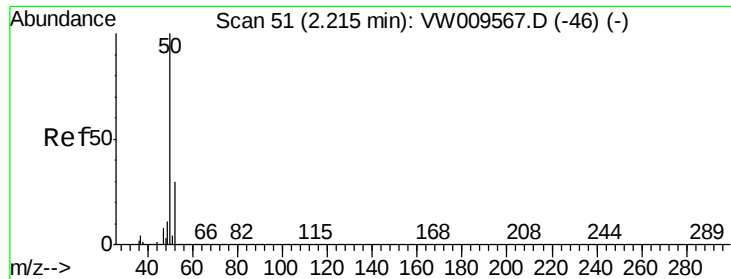
87 30.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 107.462 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 270706

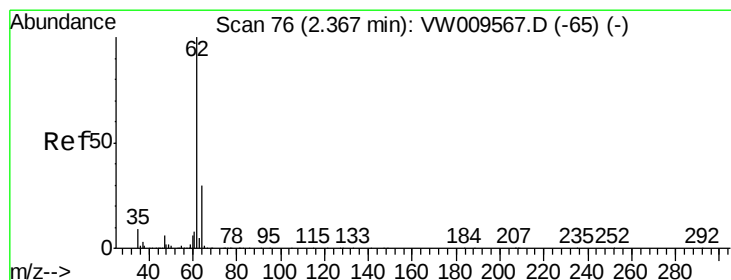
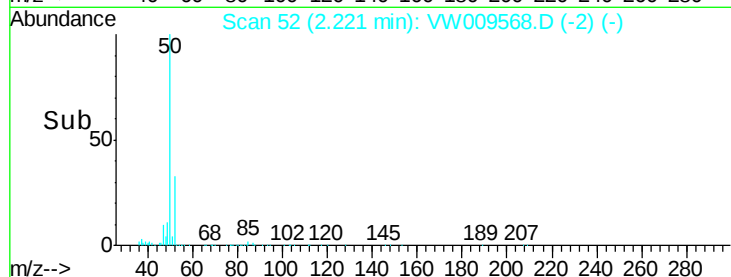
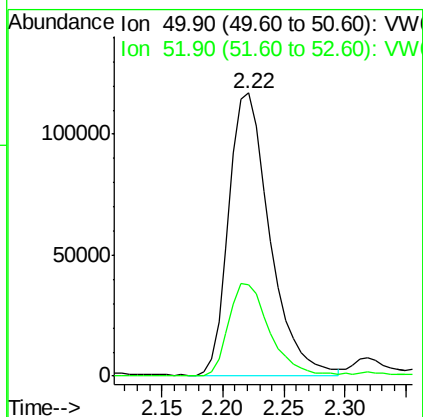
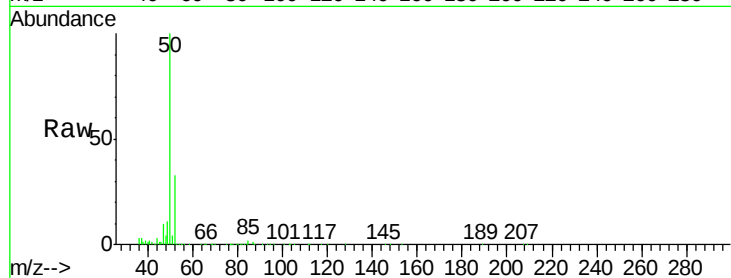
Ion Ratio Lower Upper

50 100

52 32.6 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 98.546 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009568.D

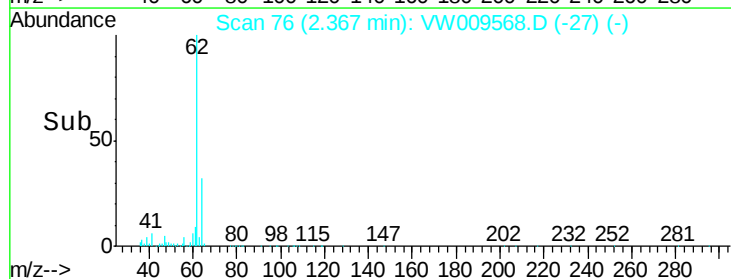
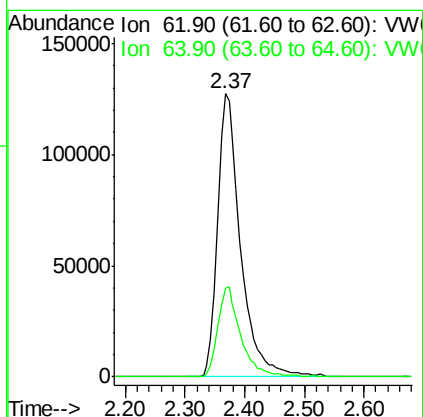
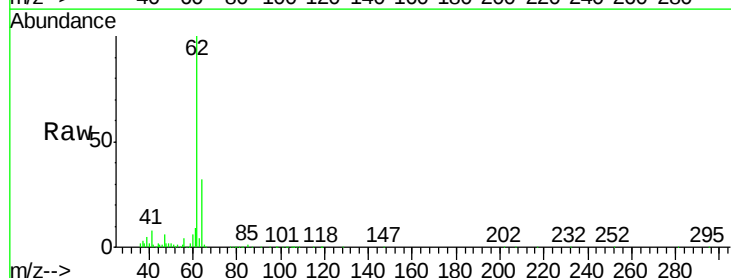
Acq: 29 Mar 2019 11:43

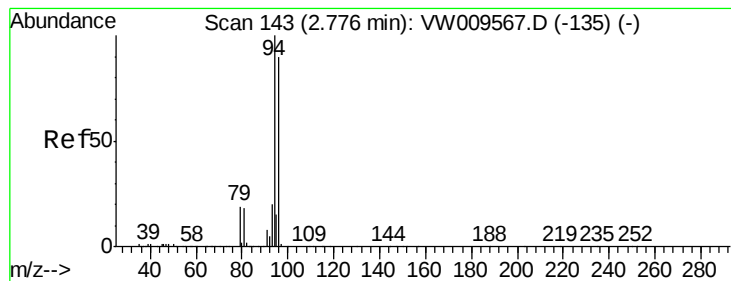
Tgt Ion: 62 Resp: 340744

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 98.953 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tot Ion: 94 Resp: 258438

Ion Ratio Lower Upper

94 100

96 90.7 71.4 107.2

Instrument :

MSVOA_W

ClientSampleId :

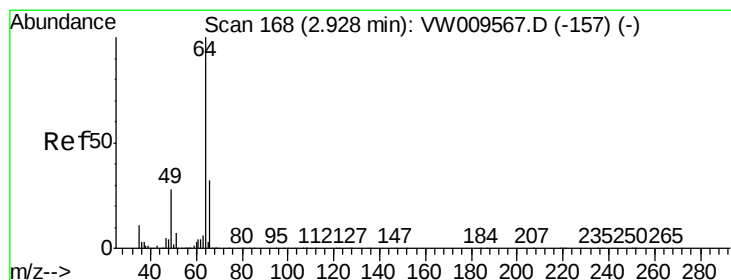
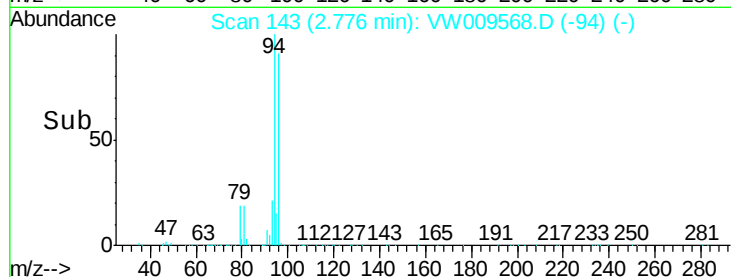
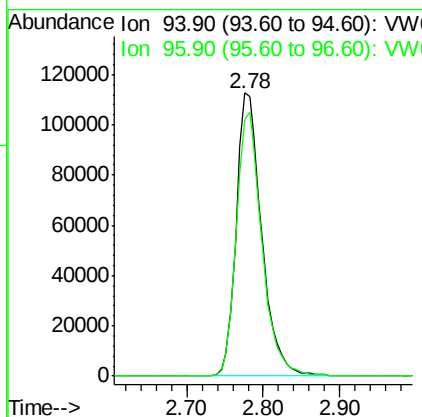
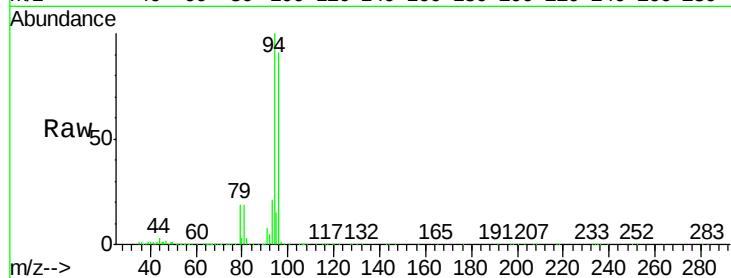
VSTDIC100

Manual Integrations

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#6

Chloroethane

Concen: 97.327 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009568.D

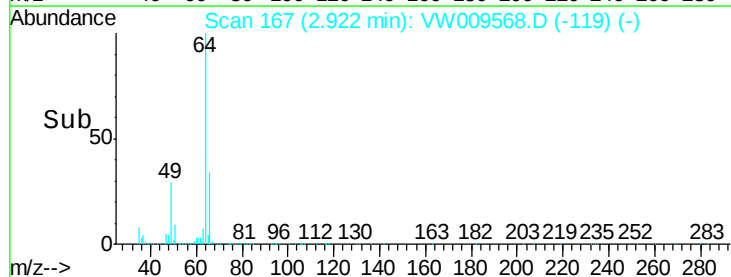
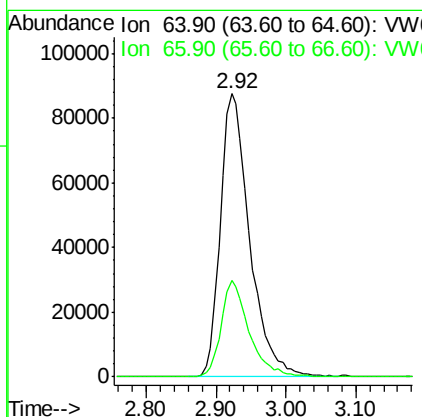
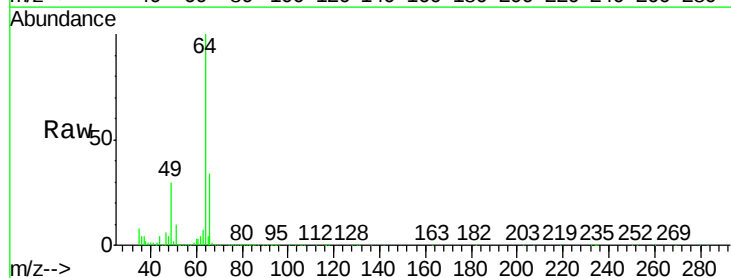
Acq: 29 Mar 2019 11:43

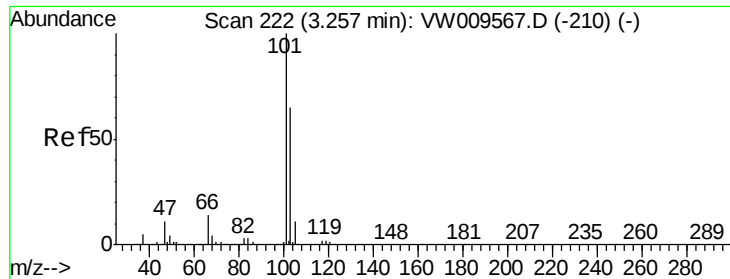
Tgt Ion: 64 Resp: 254403

Ion Ratio Lower Upper

64 100

66 34.0 26.2 39.2





#7

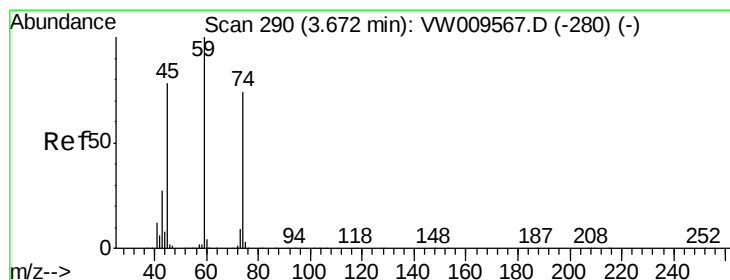
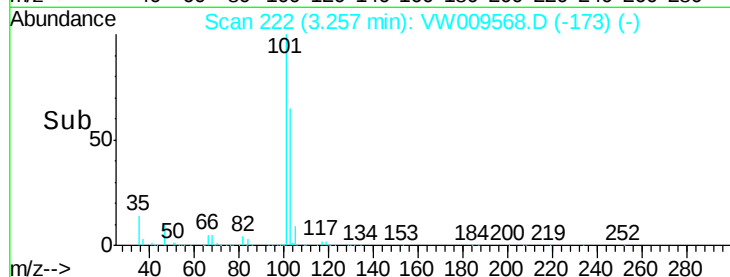
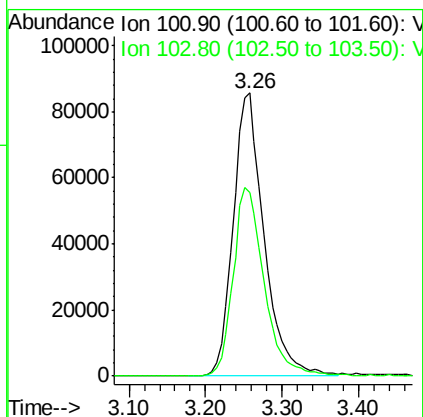
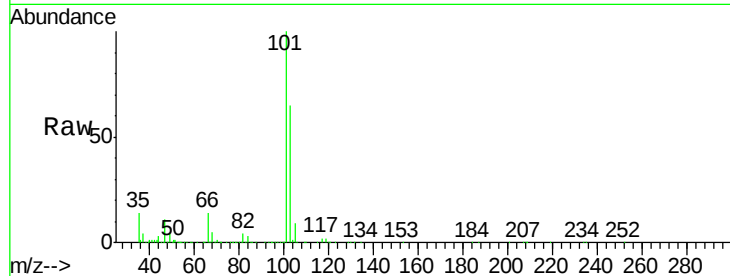
Trichlorofluoromethane
Concen: 100.059 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.5	75.7

Manual Integrations
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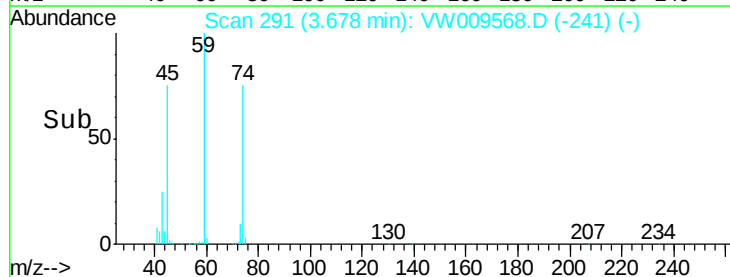
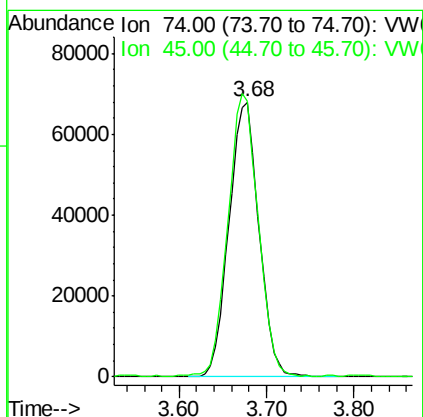
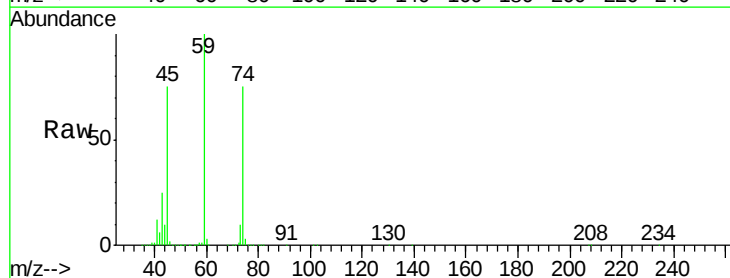
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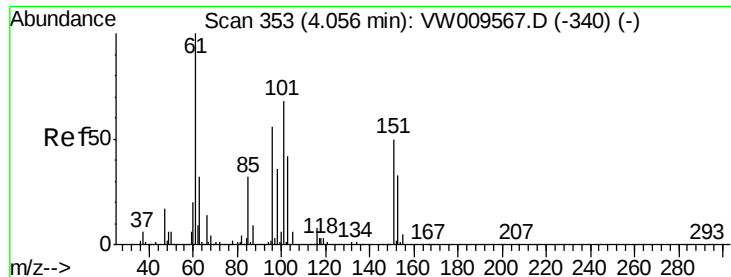


#8

Diethyl Ether
Concen: 95.714 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.870 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

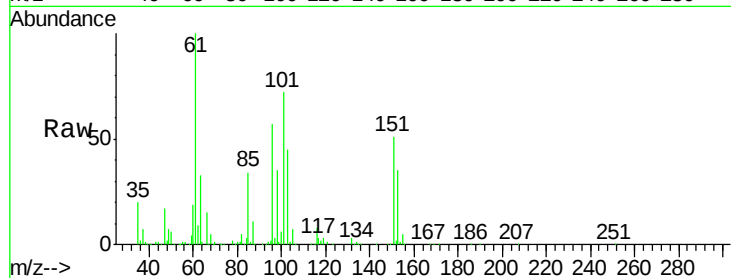
ClientSampleId :

VSTDIC100

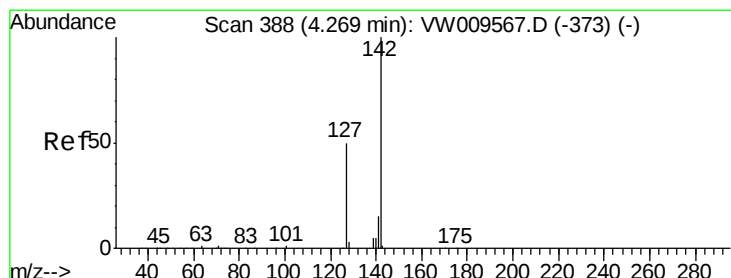
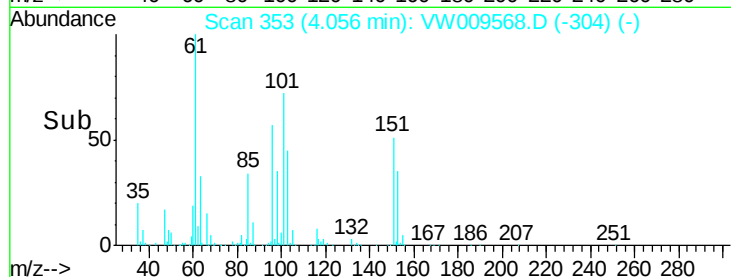
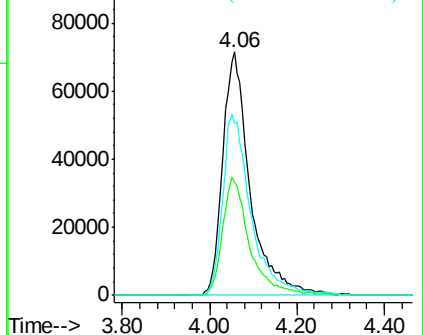
Tot Ion:	101	Resp:	310321
Ion Ratio	Lower	Upper	
101	100		
85	46.9	35.1	52.7
151	76.1	62.9	94.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 97.000 ug/l

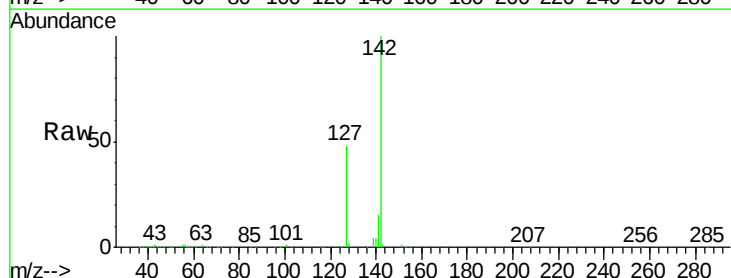
RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

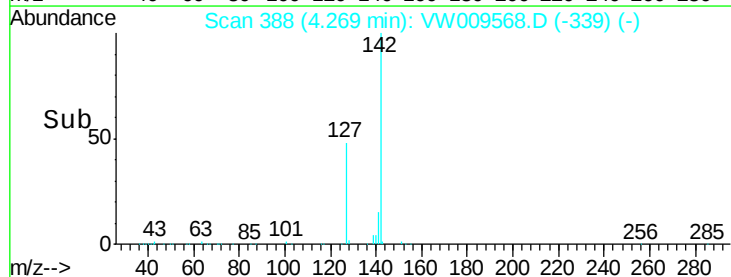
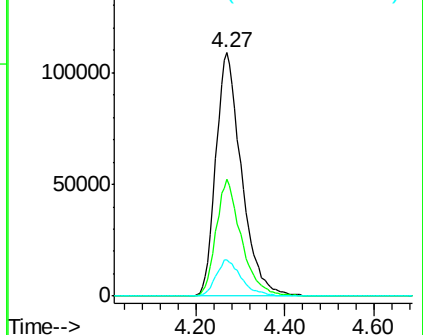
Lab File: VW009568.D

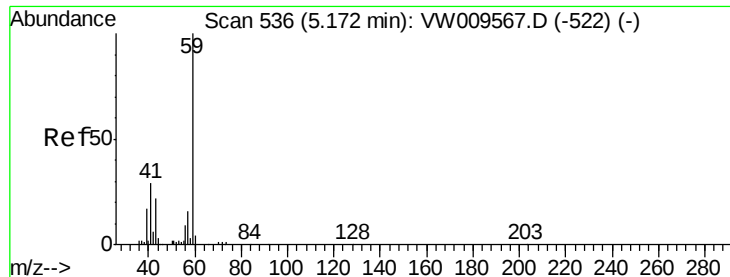
Acq: 29 Mar 2019 11:43

Tgt Ion:	142	Resp:	436487
Ion Ratio	Lower	Upper	
142	100		
127	47.1	35.9	53.9
141	14.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





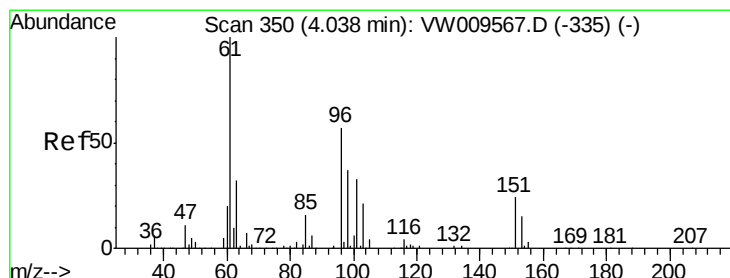
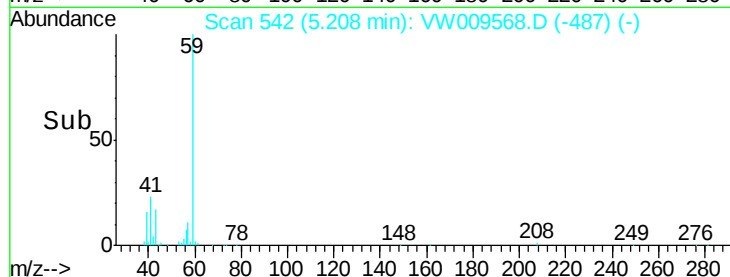
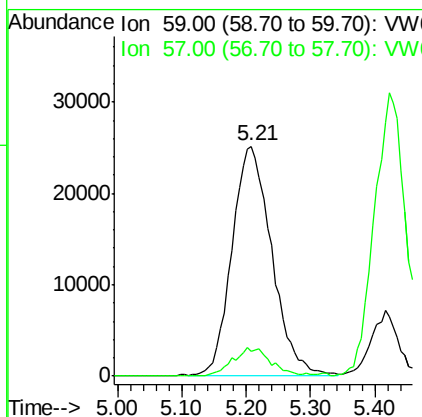
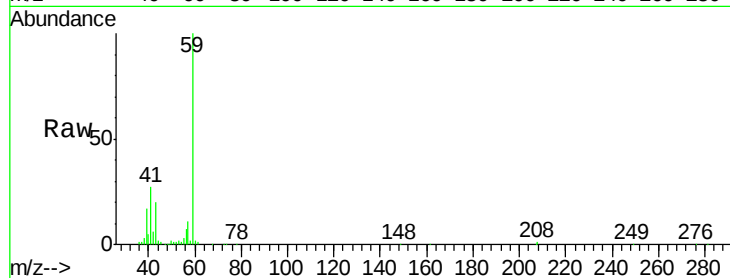
#11
Tert butyl alcohol
Concen: 511.933 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.04 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 106808
Ion Ratio Lower Upper
59 100
57 12.0 9.4 14.0

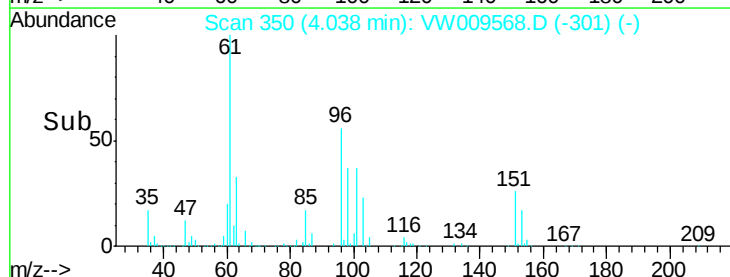
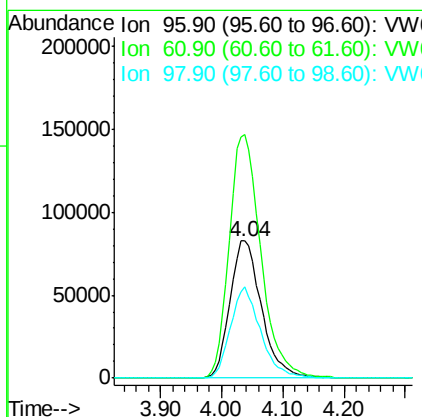
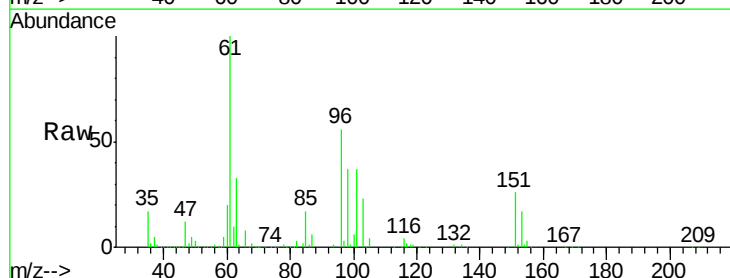
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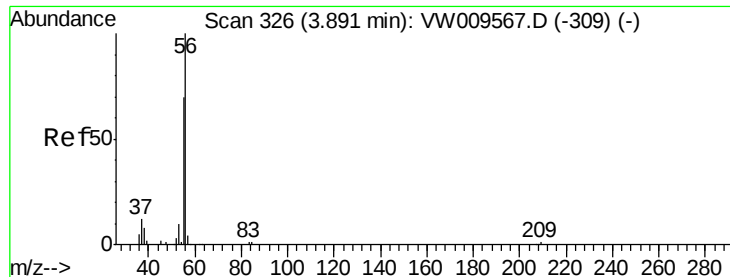
MMDadoda
4/1/2019 4:04:47 AM



#12
1,1-Dichloroethene
Concen: 96.860 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 96 Resp: 294402
Ion Ratio Lower Upper
96 100
61 177.8 138.0 207.0
98 66.3 49.8 74.8





#13

Acrolein

Concen: 495.514 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 78244

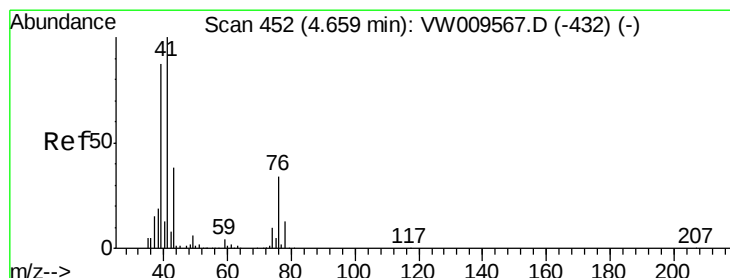
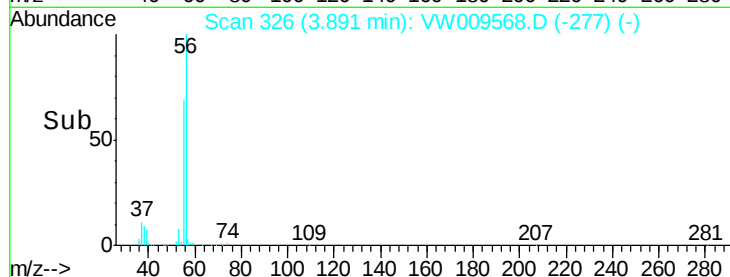
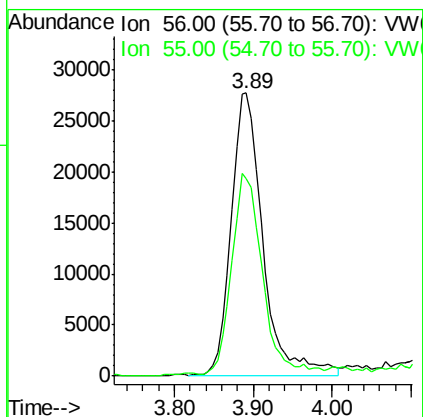
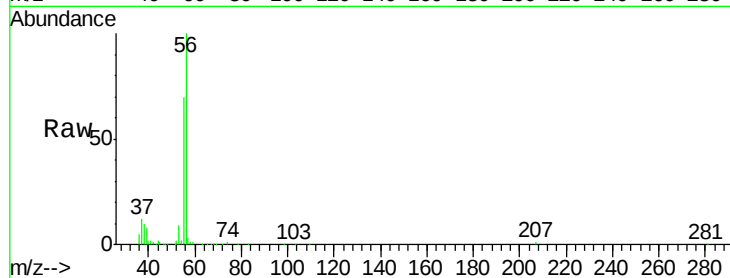
Ion Ratio Lower Upper

56 100

55 67.4 55.2 82.8

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#14

Allyl chloride

Concen: 97.836 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

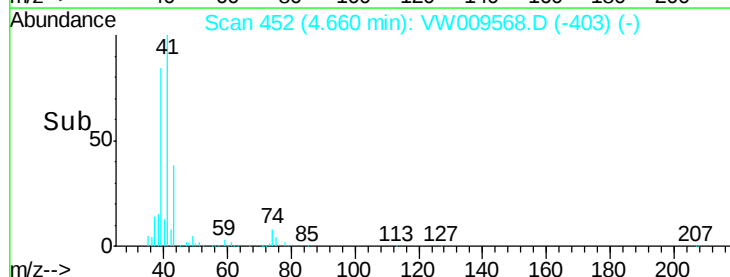
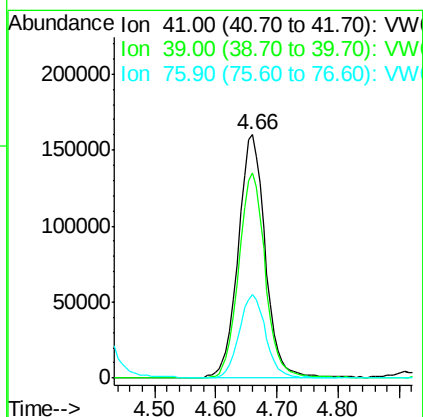
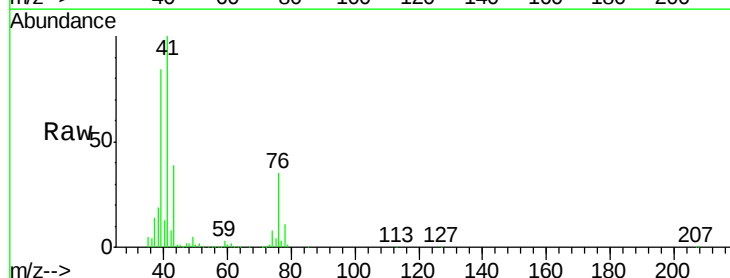
Tgt Ion: 41 Resp: 490507

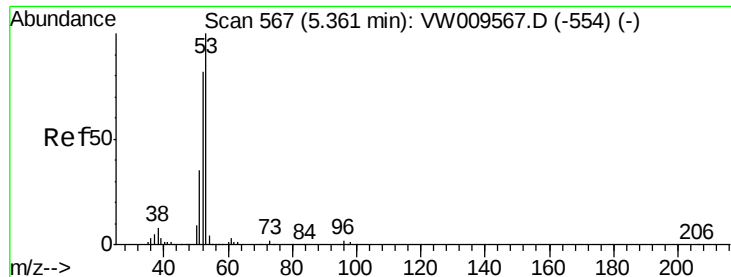
Ion Ratio Lower Upper

41 100

39 82.8 63.8 95.6

76 33.8 27.8 41.6





#15

Acrylonitrile

Concen: 519.416 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

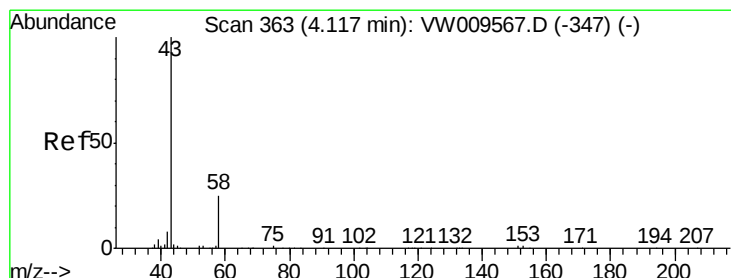
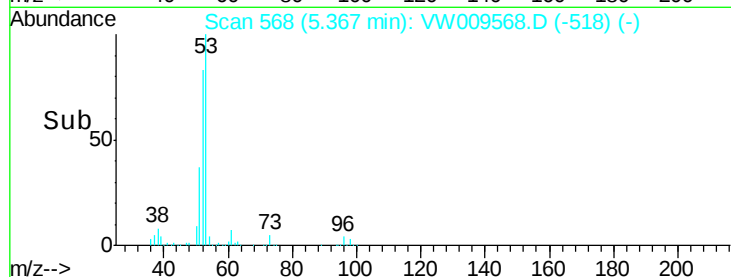
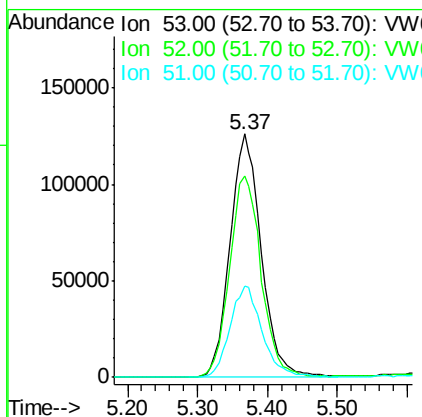
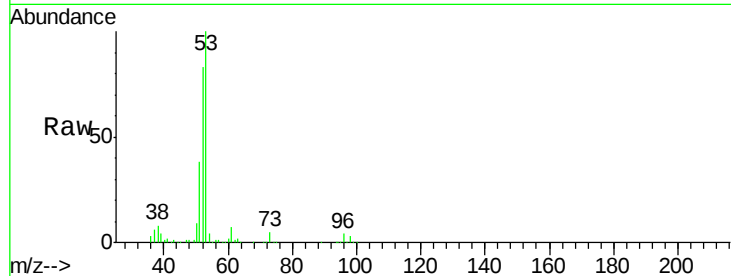
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	390173
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.6	101.4
51	38.7	30.6	45.8

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#16

Acetone

Concen: 469.101 ug/l

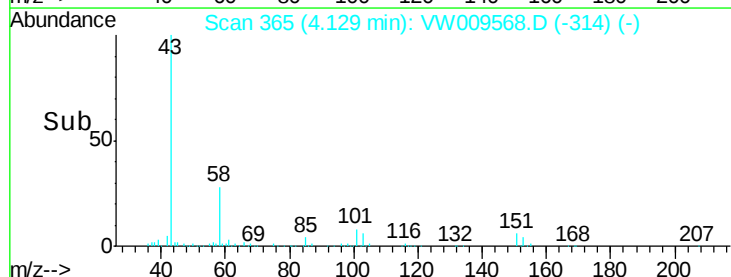
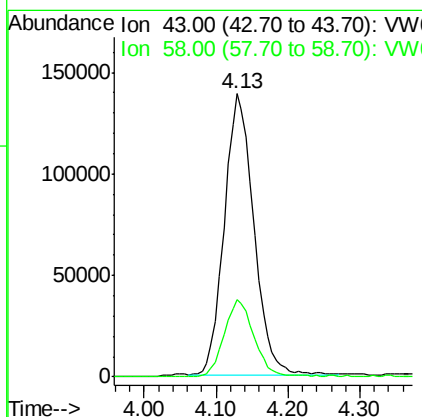
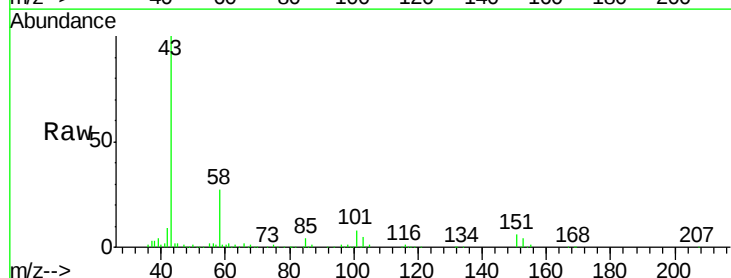
RT: 4.13 min Scan# 365

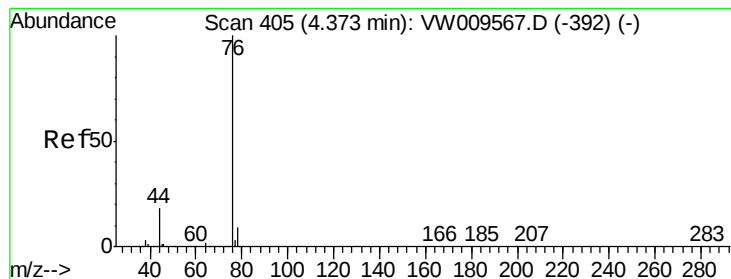
Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	43	Resp:	394446
Ion	Ratio	Lower	Upper
43	100		
58	27.2	23.6	35.4





#17

Carbon Disulfide

Concen: 97.468 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 76 Resp: 827551

Ion Ratio Lower Upper

76 100

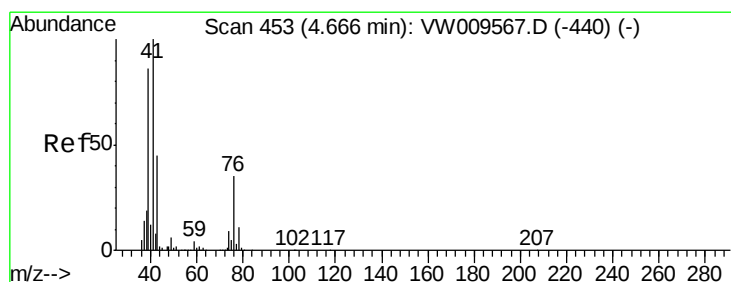
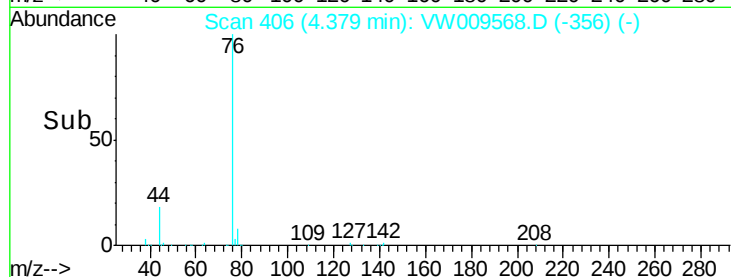
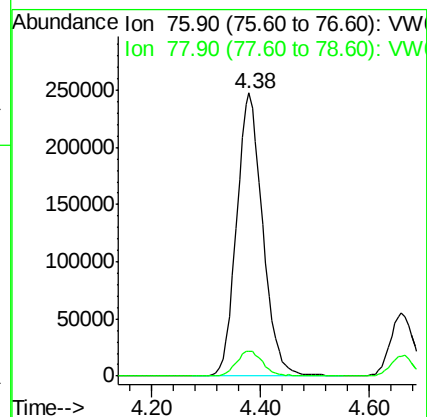
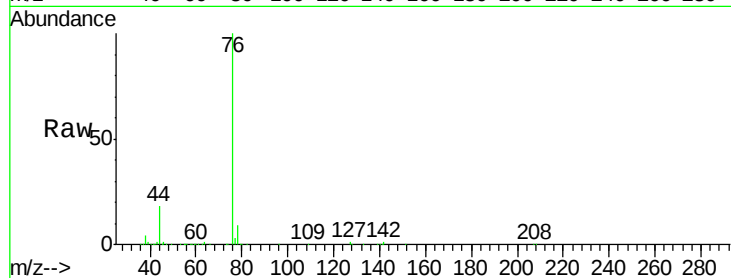
78 8.6 6.6 9.8

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#18

Methyl Acetate

Concen: 106.126 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW009568.D

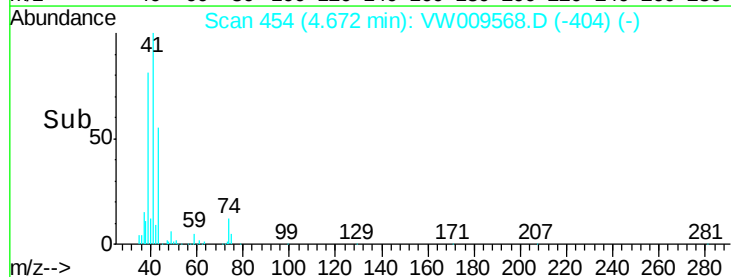
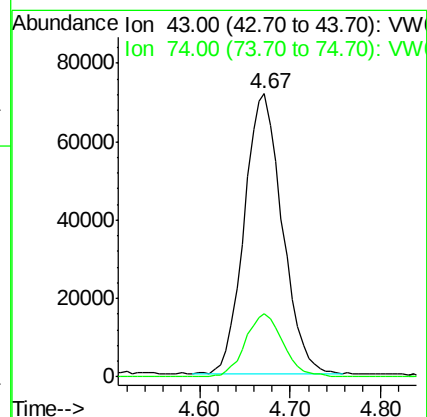
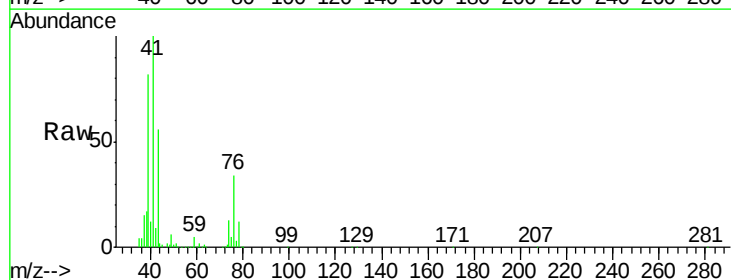
Acq: 29 Mar 2019 11:43

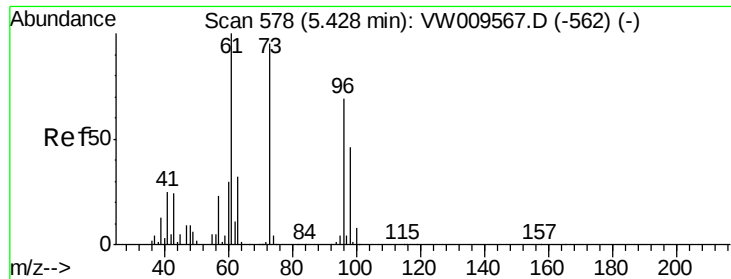
Tgt Ion: 43 Resp: 208433

Ion Ratio Lower Upper

43 100

74 22.4 17.7 26.5





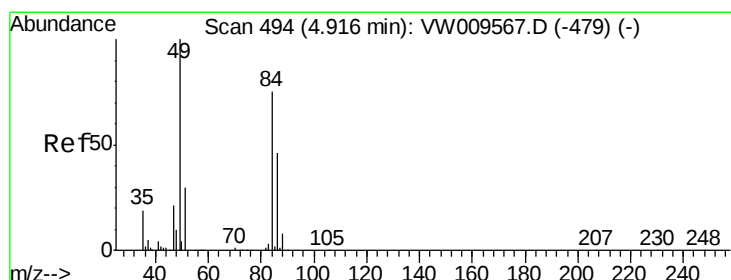
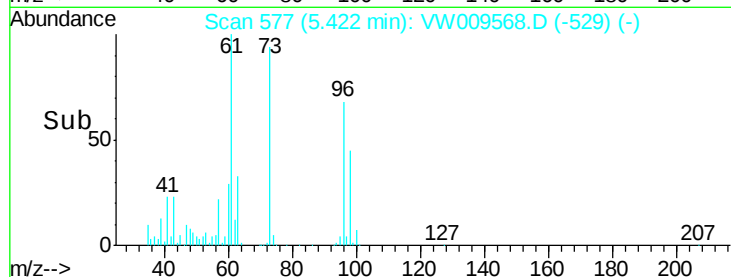
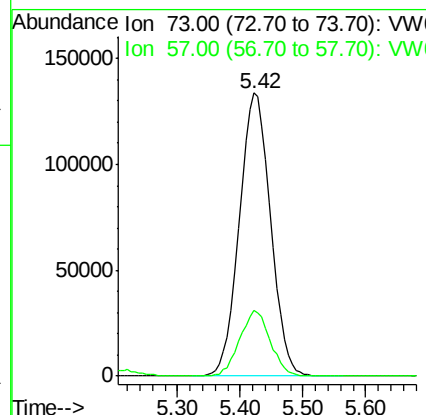
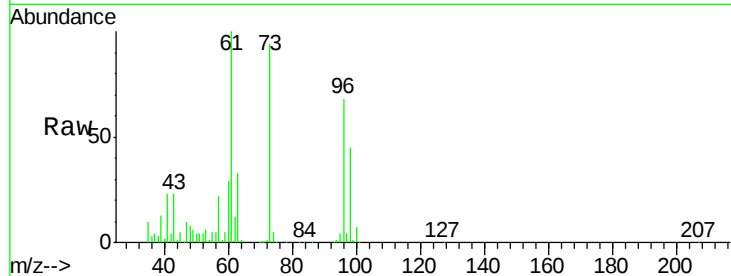
#19
Methvl tert-butvl Ether
Concen: 105.050 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.2	17.0	25.6

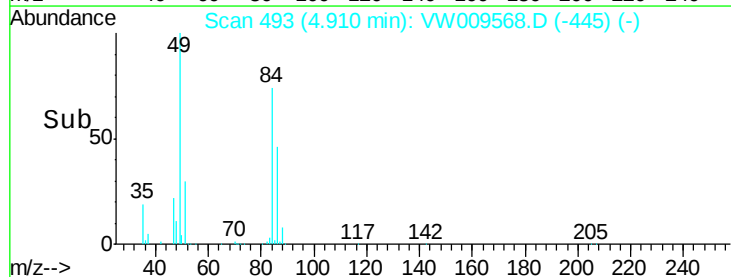
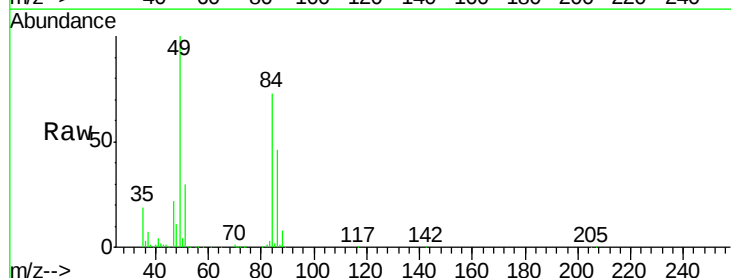
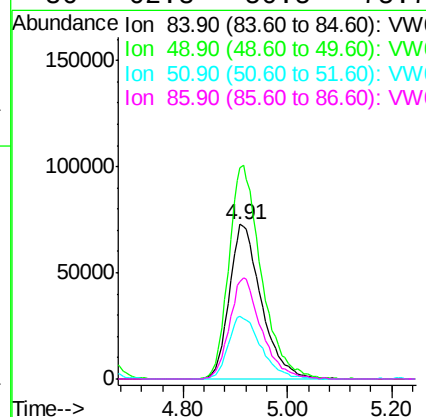
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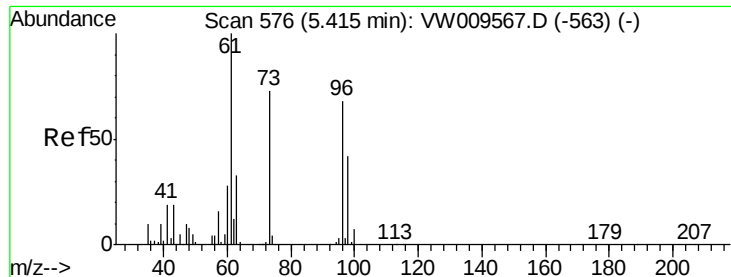
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#20
Methylene Chloride
Concen: 94.424 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.6	99.1	148.7
51	40.8	28.7	43.1
86	62.8	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 98.016 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

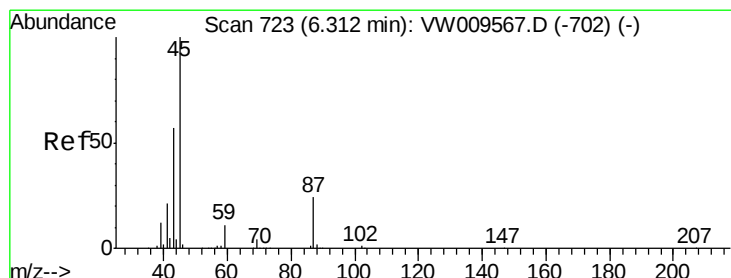
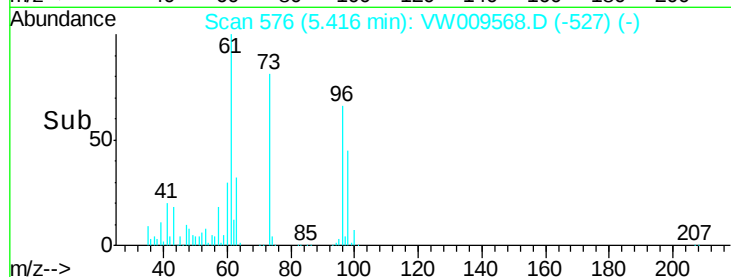
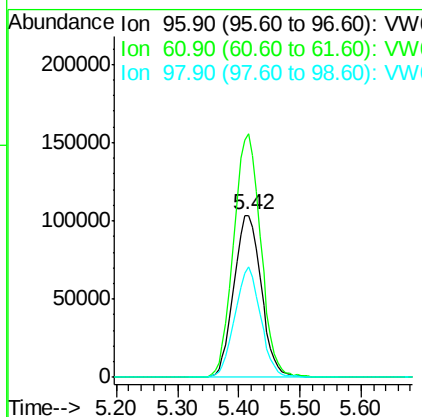
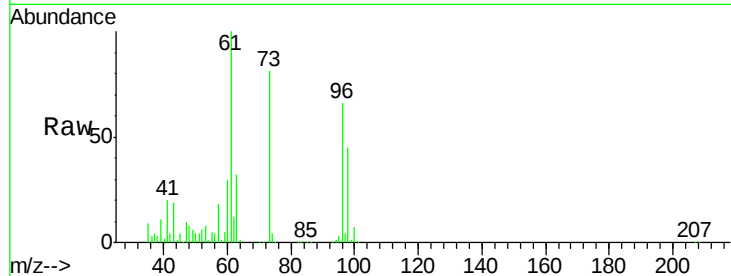
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	320177
Ion	Ratio	Lower	Upper
96	100		
61	150.6	108.2	162.4
98	68.5	50.9	76.3

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#22

Diisopropyl ether

Concen: 102.427 ug/l

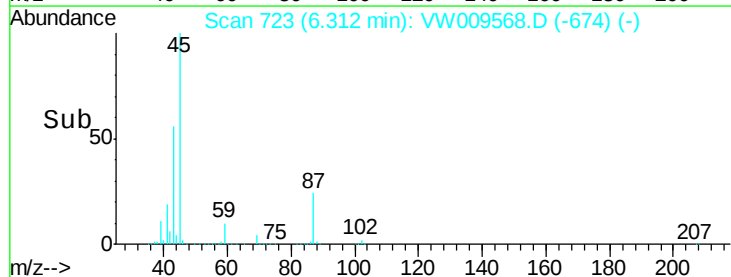
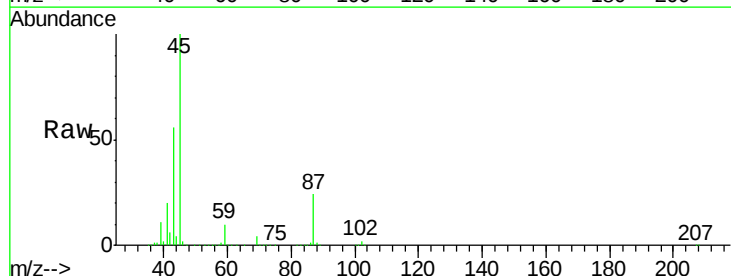
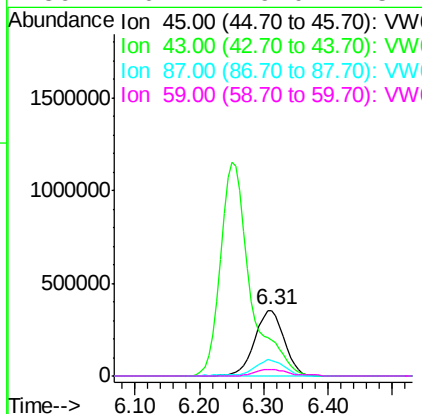
RT: 6.31 min Scan# 723

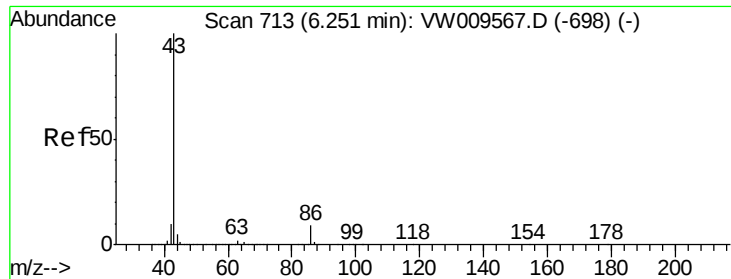
Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	45	Resp:	1121891
Ion	Ratio	Lower	Upper
45	100		
43	55.6	47.9	71.9
87	24.4	20.6	30.8
59	10.1	9.0	13.4





#23

Vinyl Acetate

Concen: 543.105 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 3748879

Ion Ratio Lower Upper

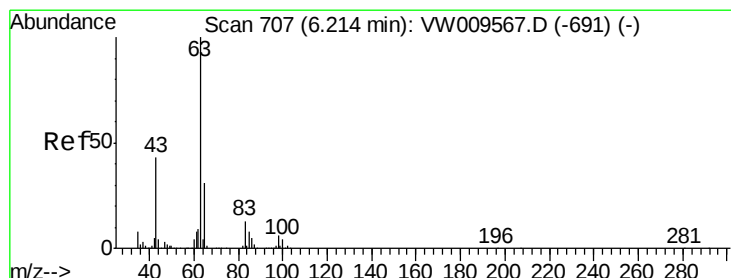
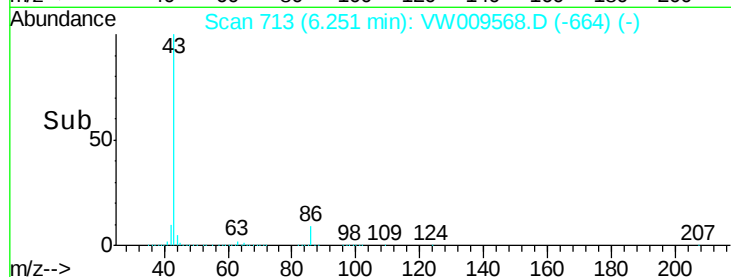
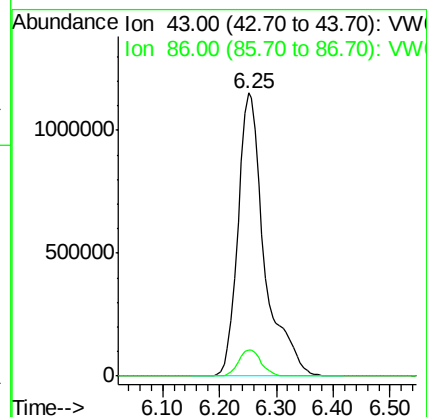
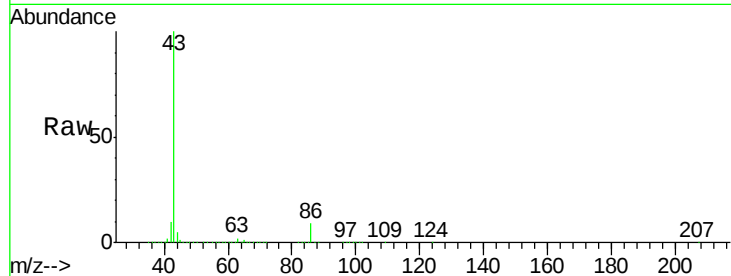
43 100

86 9.4 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 97.833 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

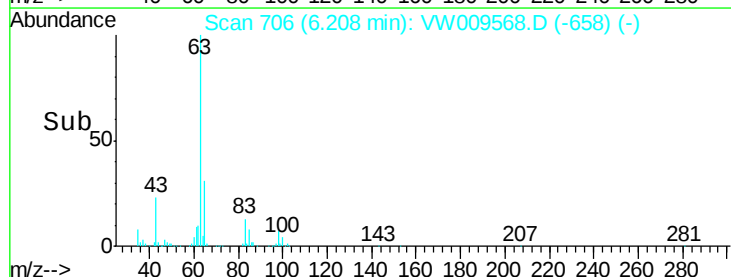
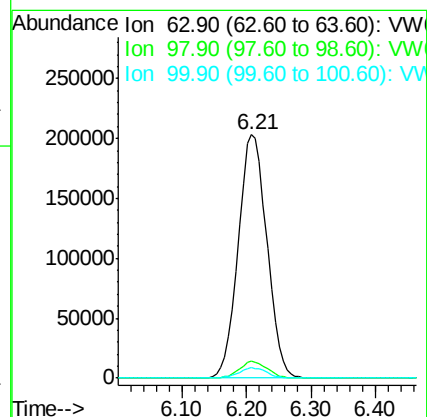
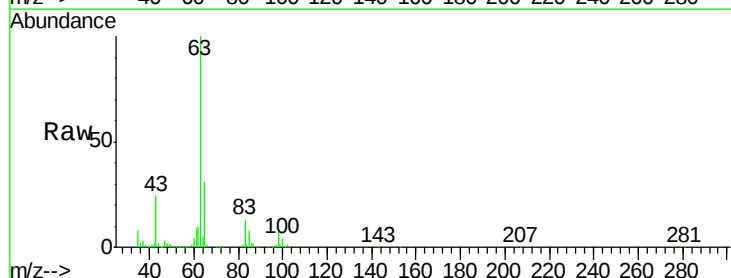
Tgt Ion: 63 Resp: 627821

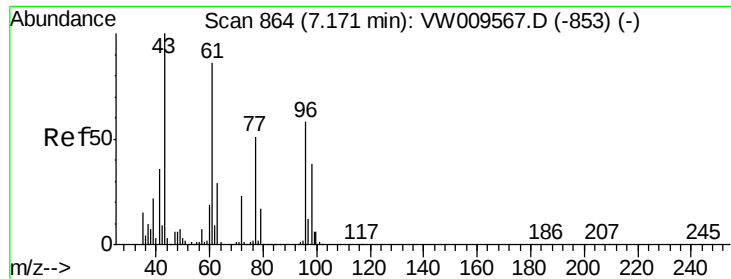
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 4.2 2.4 7.1





#25

2-Butanone

Concen: 543.001 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 621620

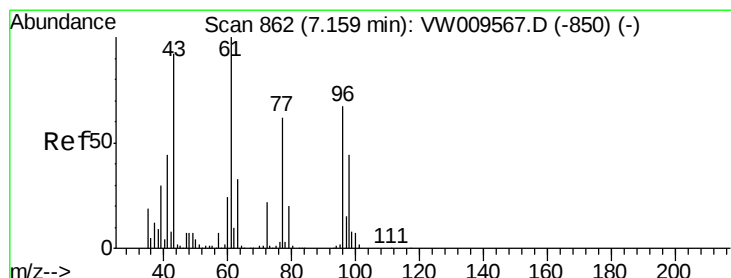
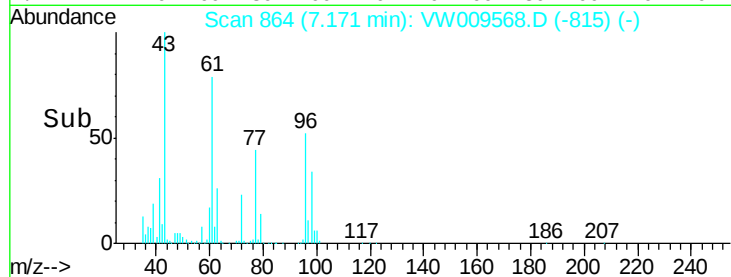
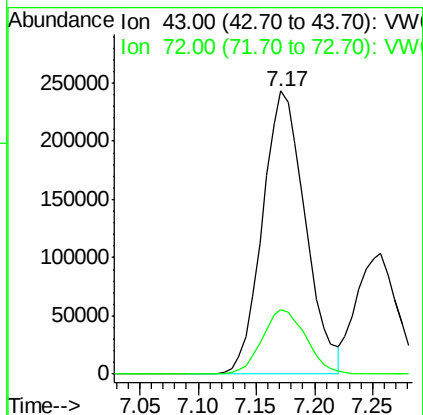
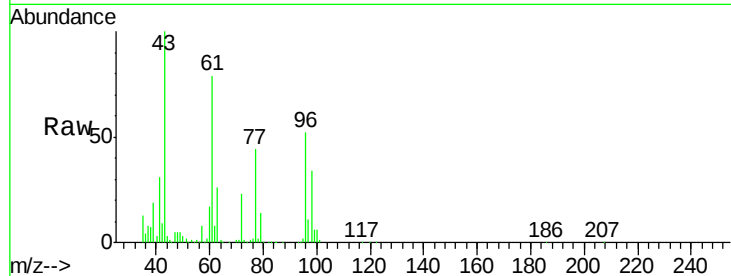
Ion Ratio Lower Upper

43 100

72 22.9 20.0 30.0

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#26

2,2-Dichloropropane

Concen: 95.055 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW009568.D

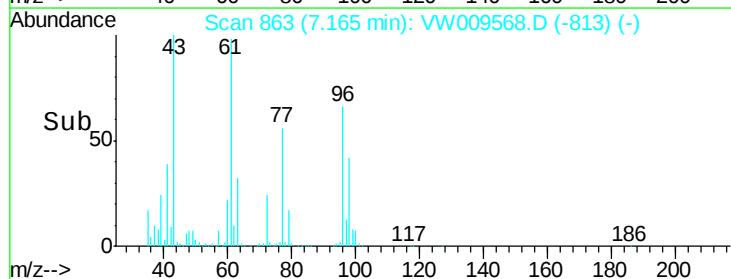
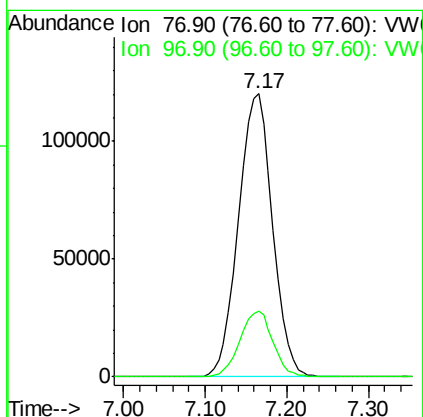
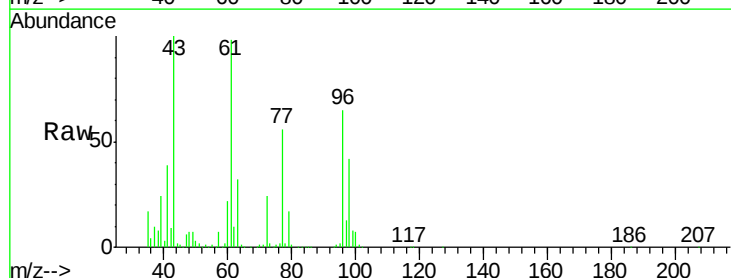
Acq: 29 Mar 2019 11:43

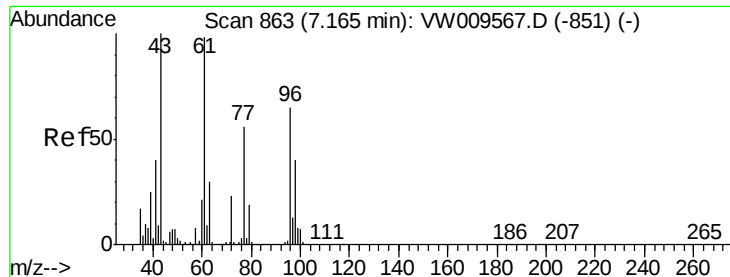
Tgt Ion: 77 Resp: 349002

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





#27

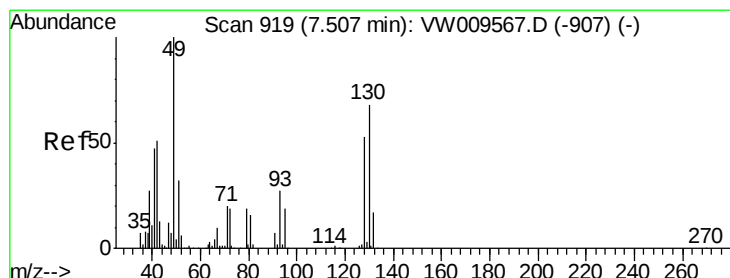
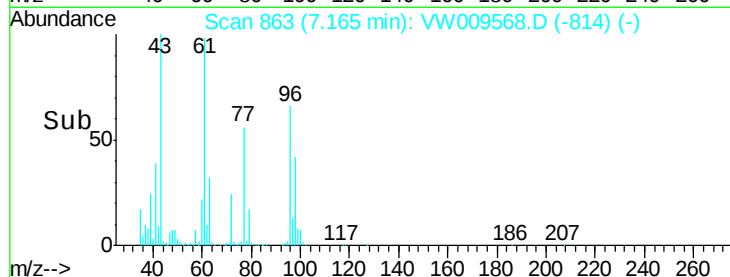
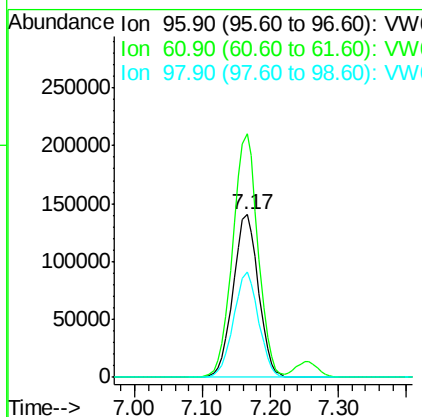
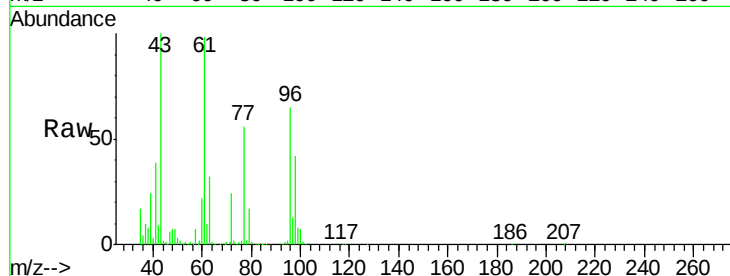
cis-1,2-Dichloroethene
Concen: 100.472 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.2	0.0	289.8	
98	64.0	0.0	130.8	

Manual Integrations
APPROVED

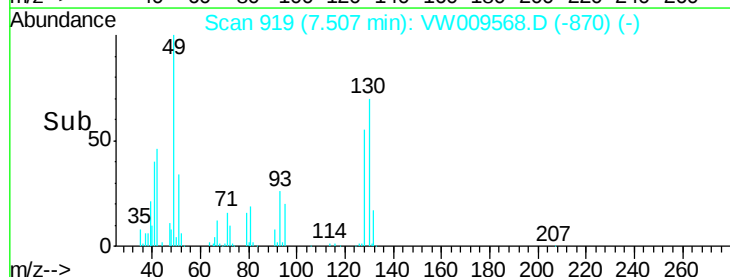
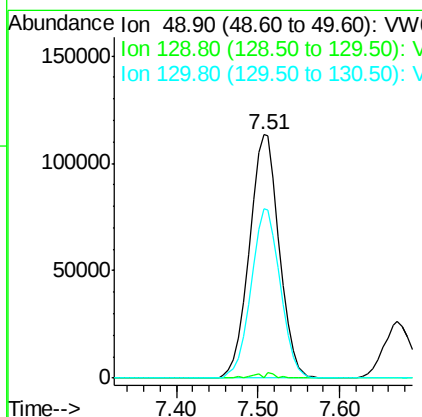
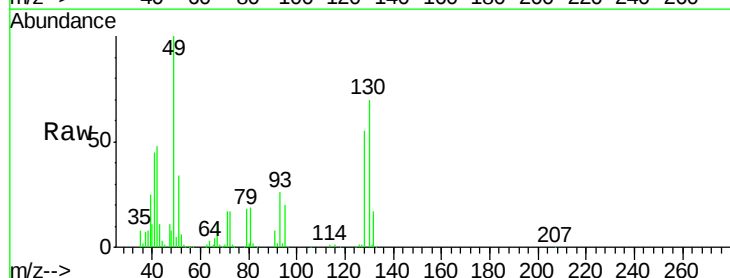
MMDadoda
4/1/2019 4:04:47 AM

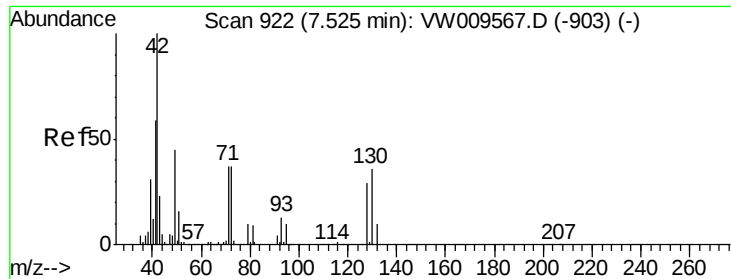


#28

Bromochloromethane
Concen: 106.776 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	1.4	
130	68.1	58.6	88.0	





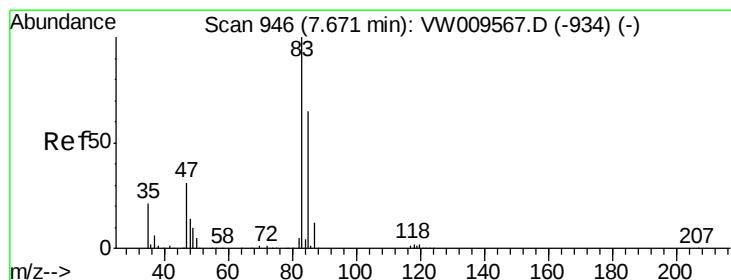
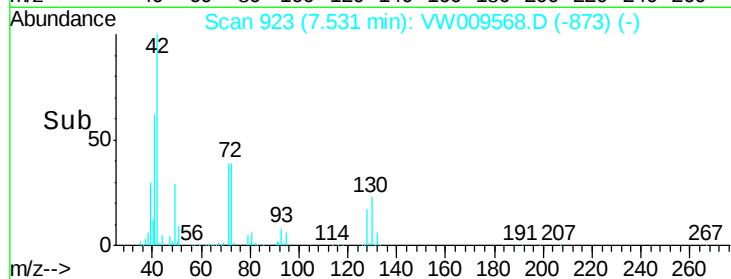
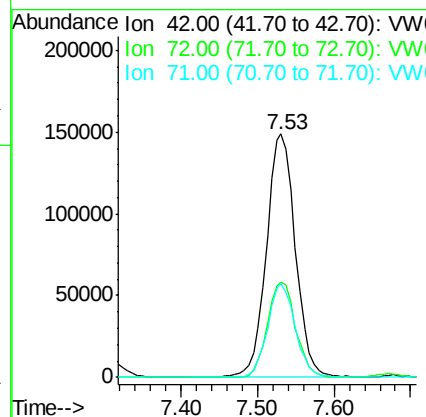
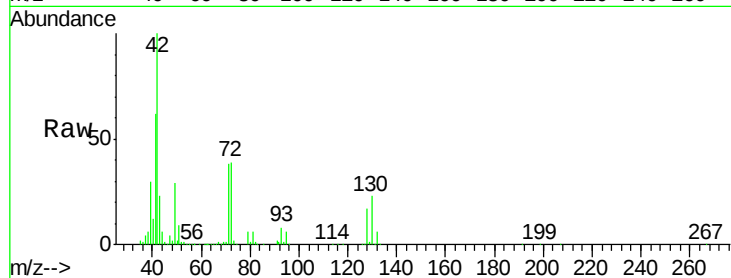
#29
Tetrahydrofuran
Concen: 546.237 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.5	32.4	48.6
71	36.8	30.1	45.1

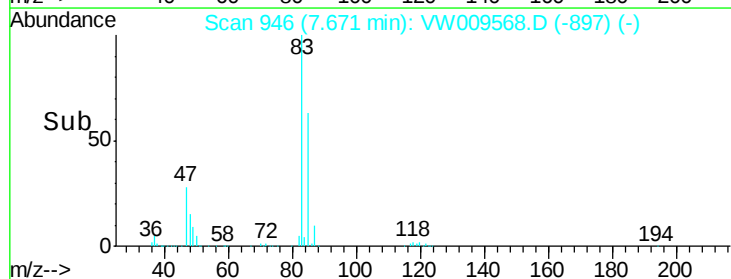
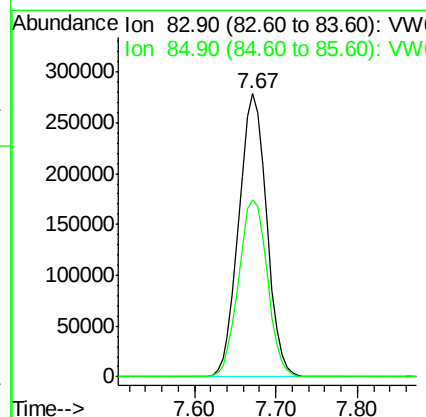
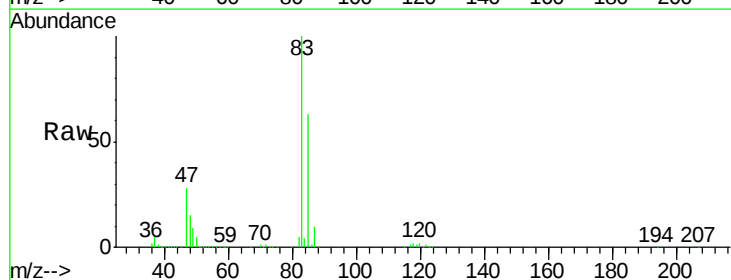
Manual Integrations
APPROVED

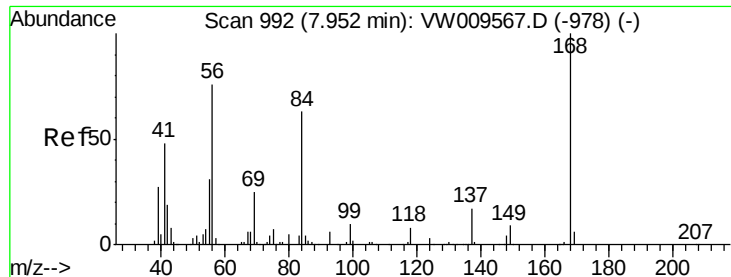
MMDadoda
4/1/2019 4:04:47 AM



#30
Chloroform
Concen: 99.607 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.6





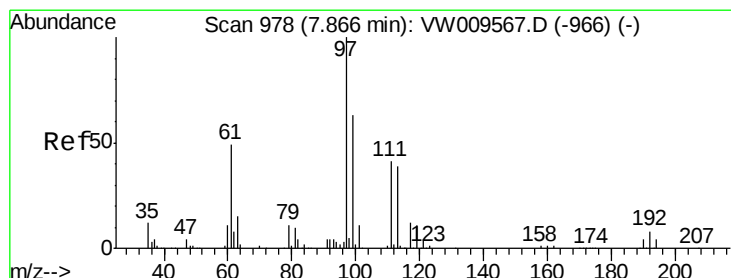
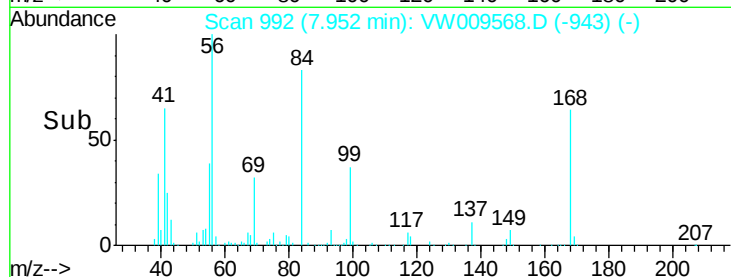
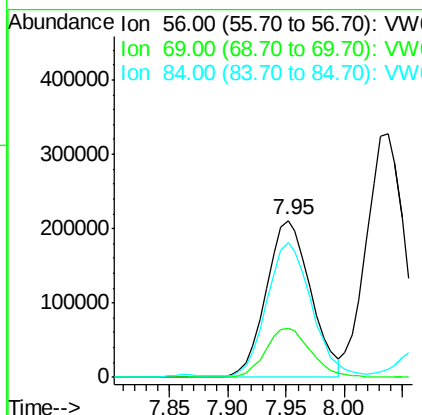
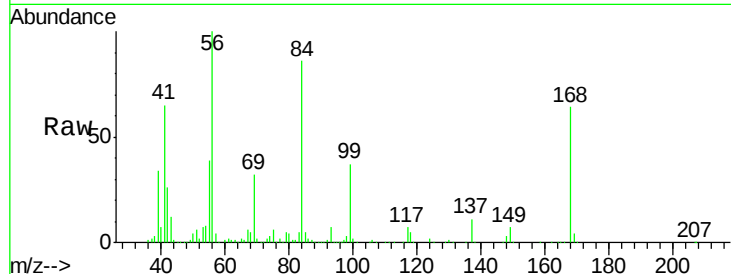
#31
Cyclohexane
Concen: 97.595 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	26.1	39.1
84	84.4	68.6	103.0

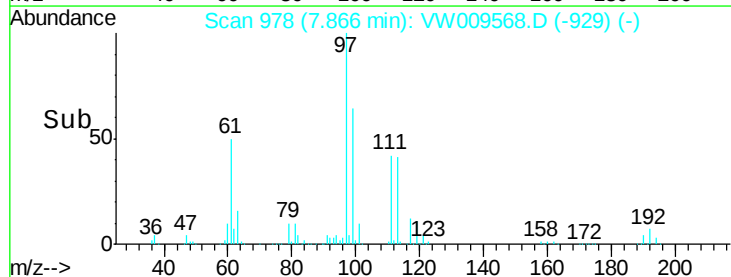
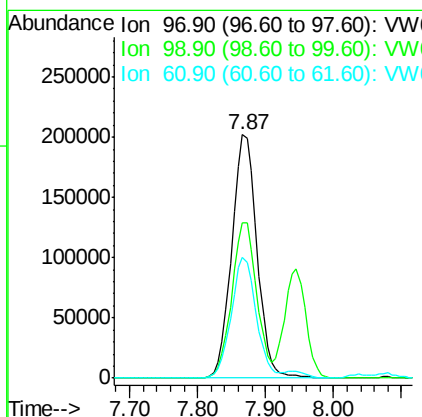
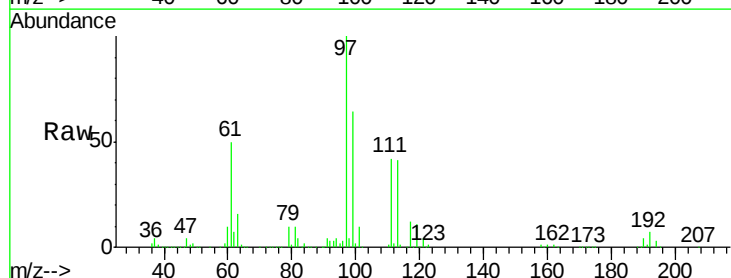
Manual Integrations
APPROVED

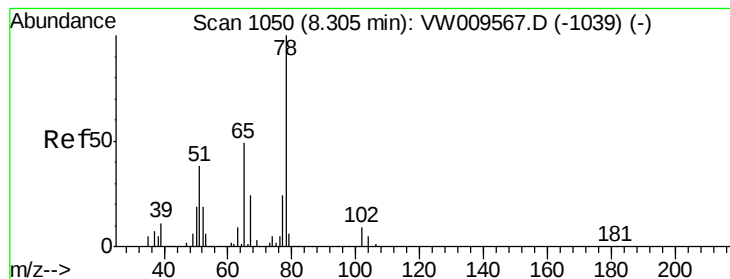
MMDadoda
4/1/2019 4:04:47 AM



#32
1,1,1-Trichloroethane
Concen: 96.714 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.9	77.9
61	49.0	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 96.891 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 366135

Ion Ratio Lower Upper

65 100

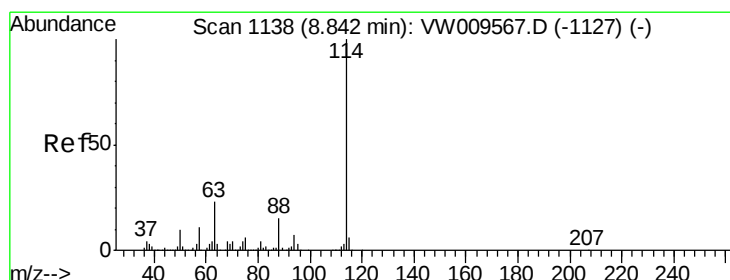
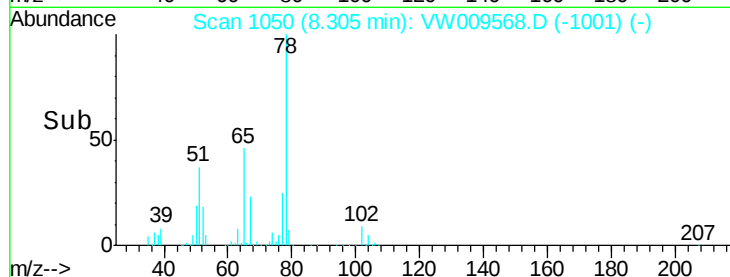
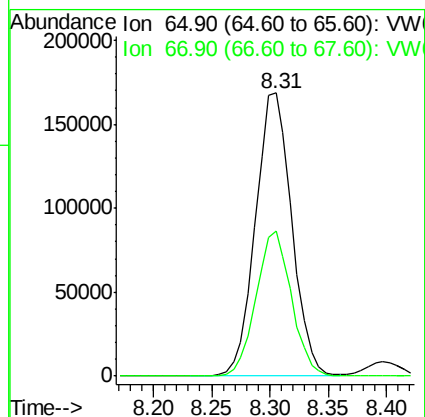
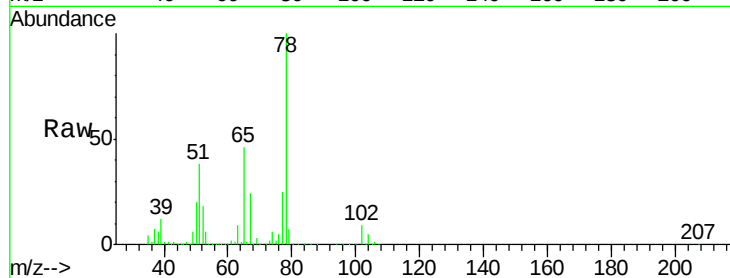
67 49.9 0.0 102.4

Manual Integrations

APPROVED

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4/1/2019 4:04:47 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

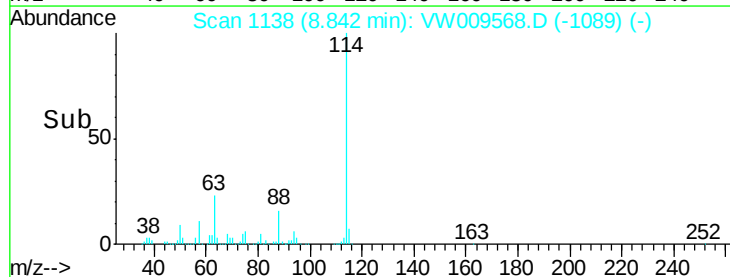
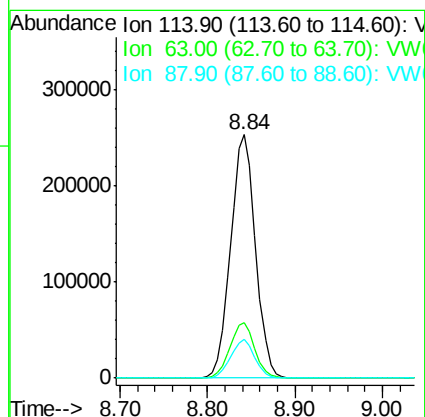
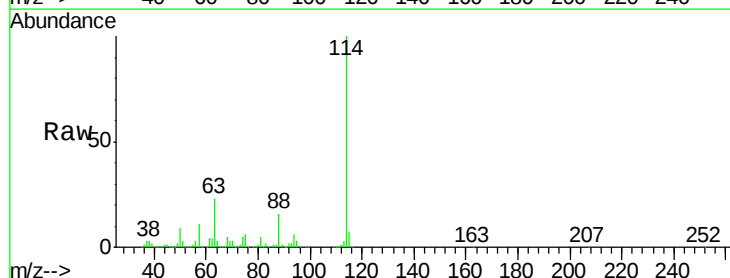
Tgt Ion: 114 Resp: 499822

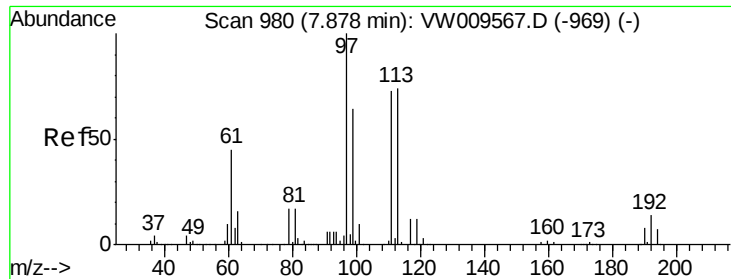
Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.2

88 15.9 0.0 30.8





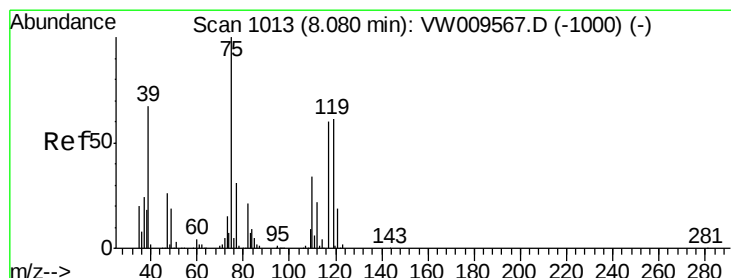
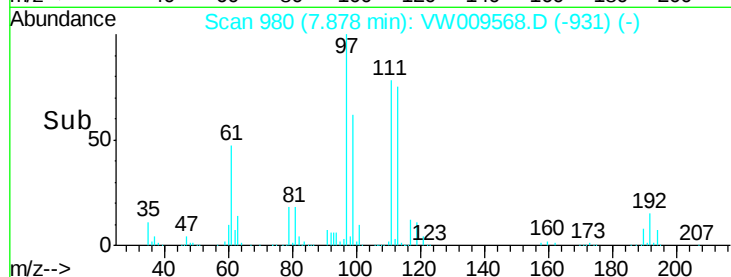
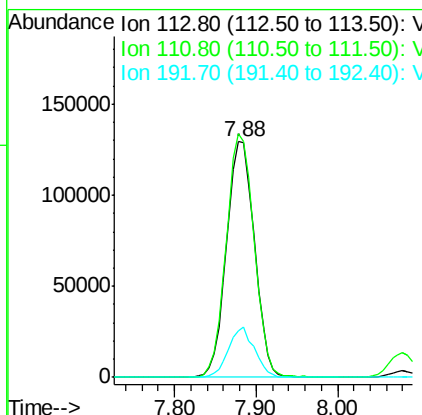
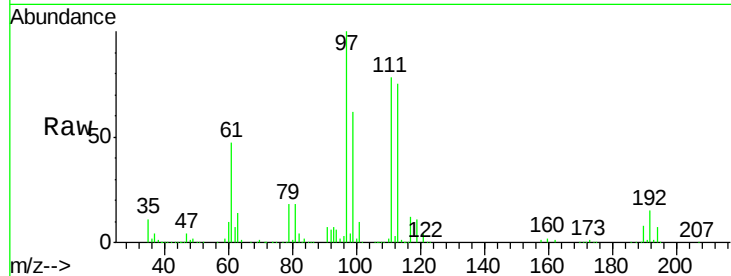
#35
Dibromofluoromethane
Concen: 97.228 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	306787		
111	102.3	82.6	124.0	
192	19.8	16.4	24.6	

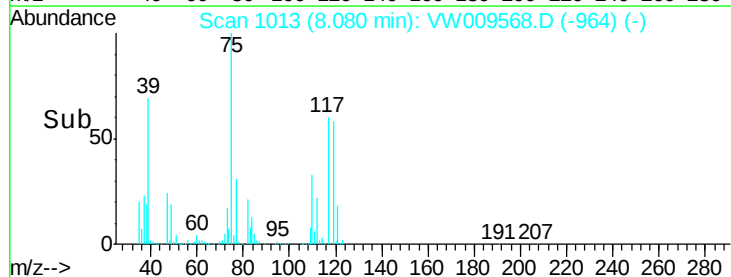
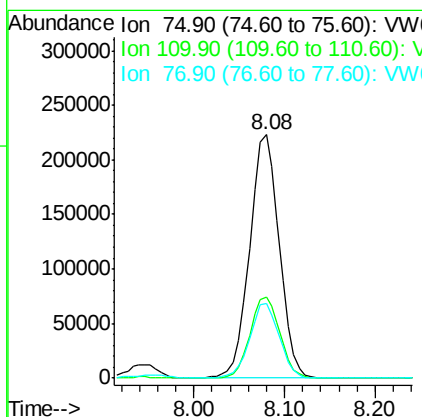
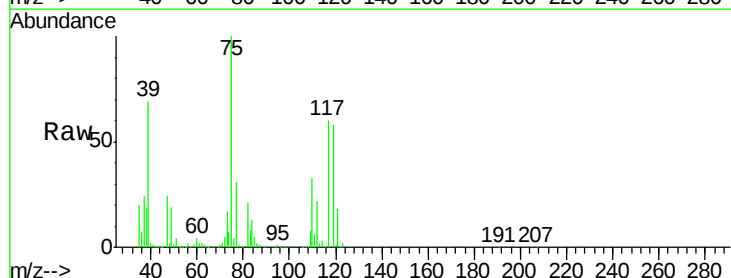
Manual Integrations
APPROVED

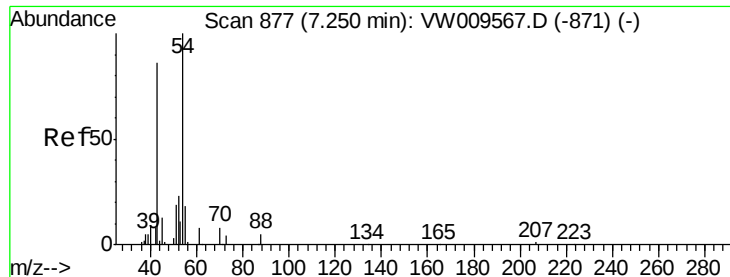
MMDadoda
4/1/2019 4:04:47 AM



#36
1,1-Dichloropropene
Concen: 96.452 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	501778		
110	33.5	16.8	50.4	
77	30.7	24.6	36.8	





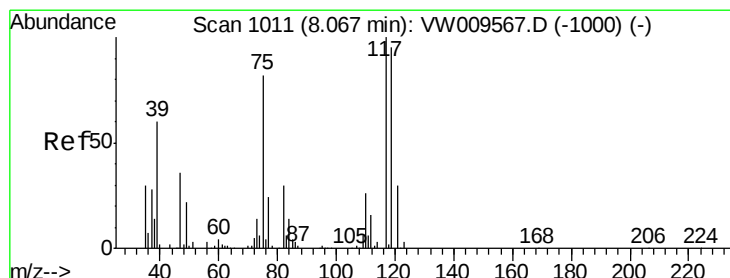
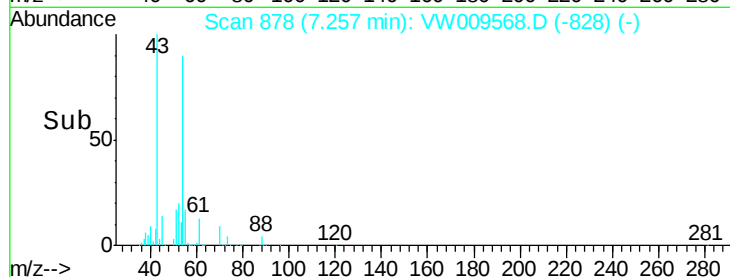
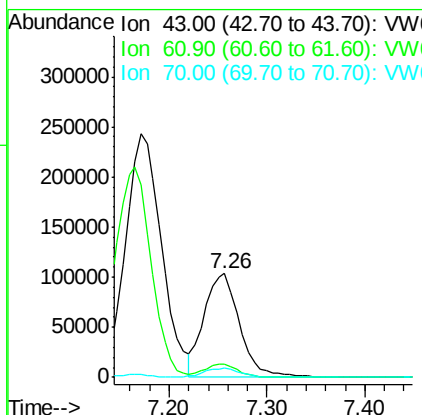
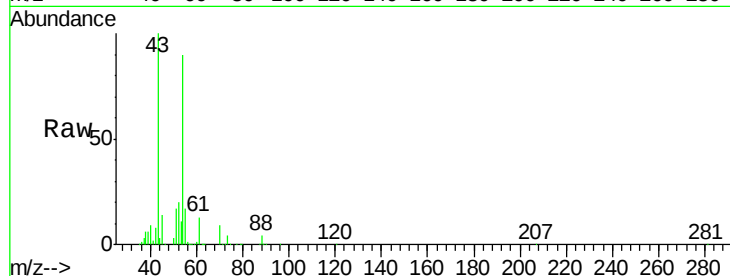
#37
Ethyl Acetate
Concen: 105.346 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.0	15.0
70	8.7	7.3	10.9

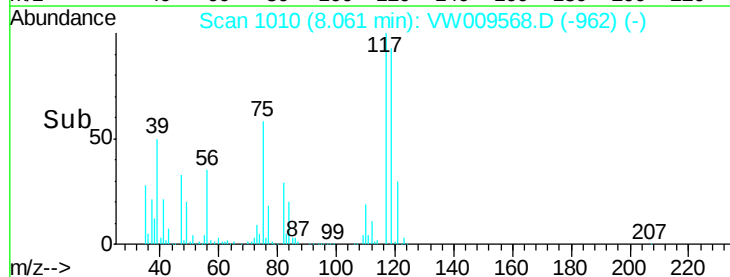
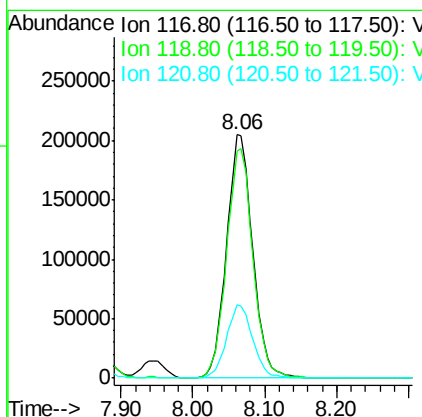
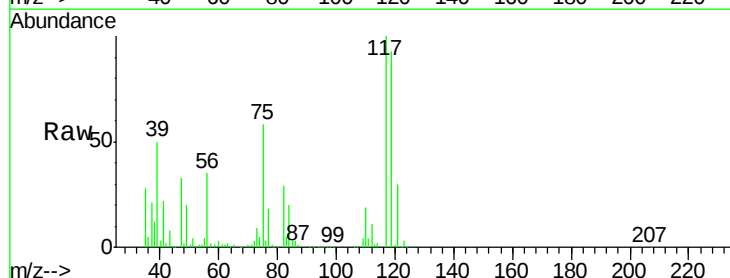
Manual Integrations
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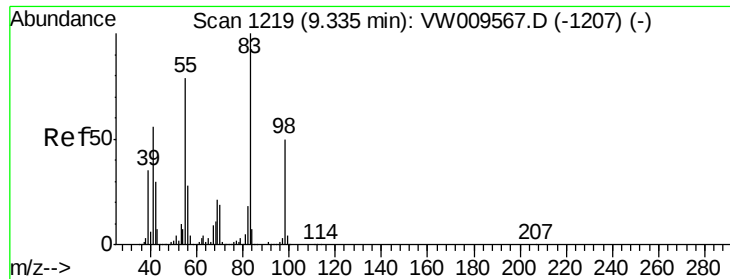
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#38
Carbon Tetrachloride
Concen: 98.202 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.4	113.0
121	30.3	24.9	37.3





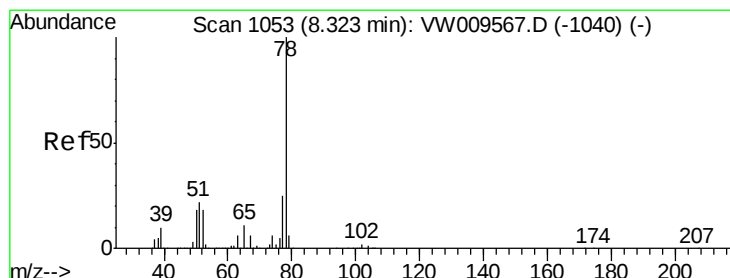
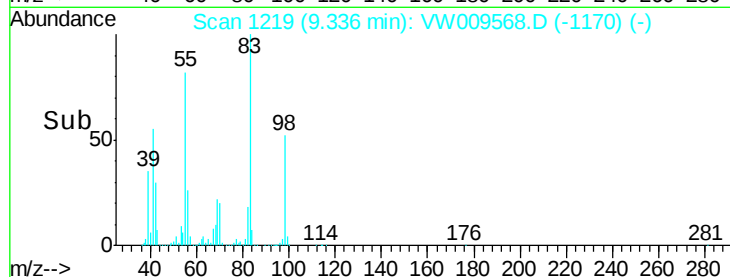
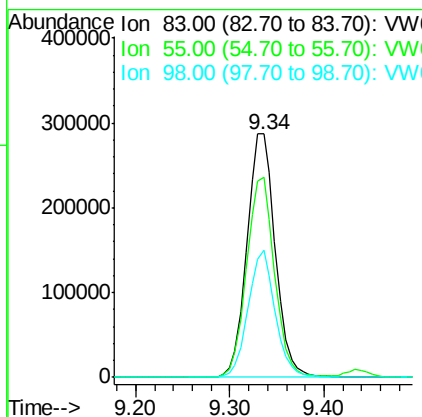
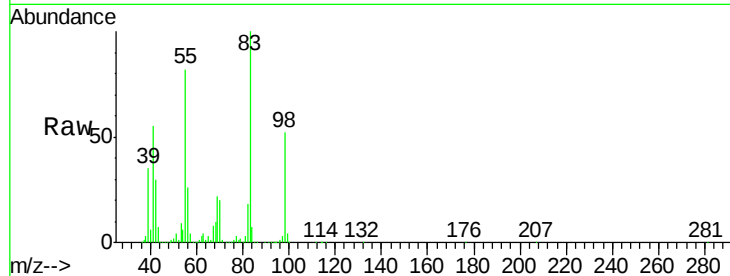
#39
Methvlcvclohexane
Concen: 101.583 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	61.1	91.7
98	52.1	39.0	58.4

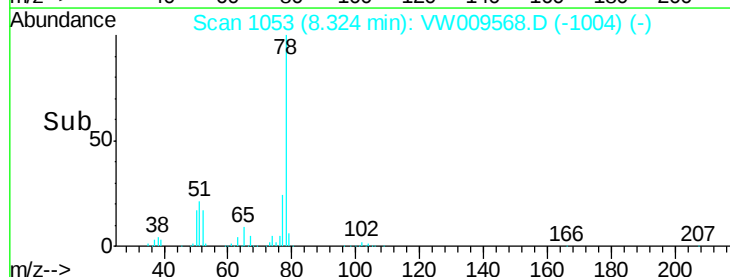
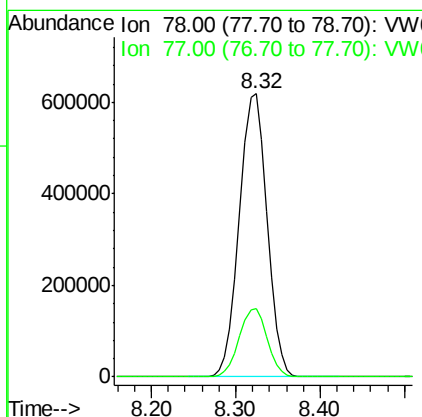
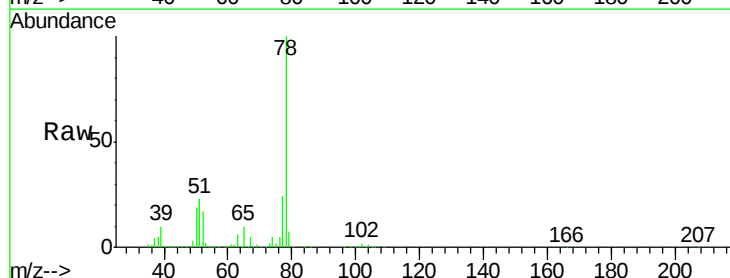
Manual Integrations
APPROVED

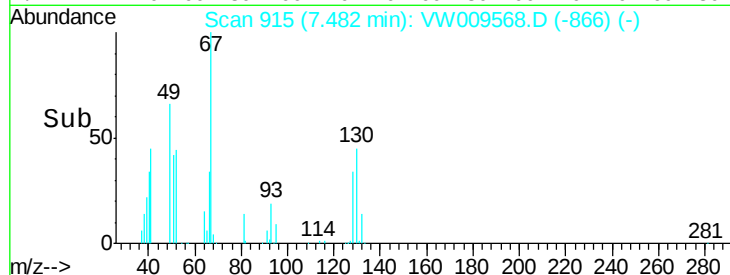
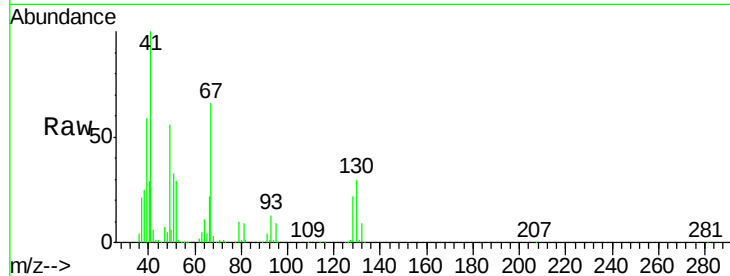
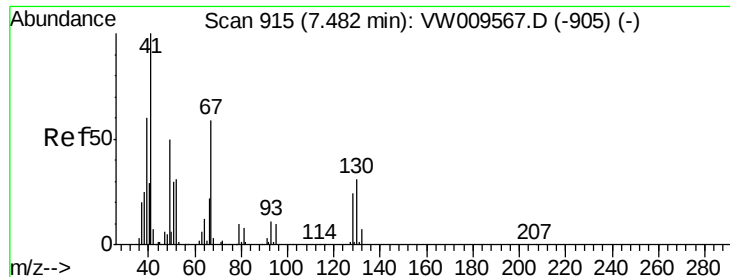
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4/1/2019 4:04:47 AM



#40
Benzene
Concen: 98.009 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.8	29.6





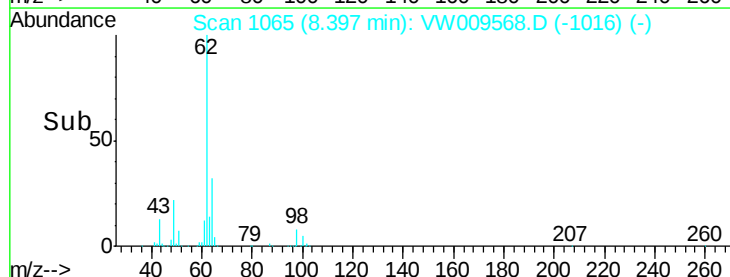
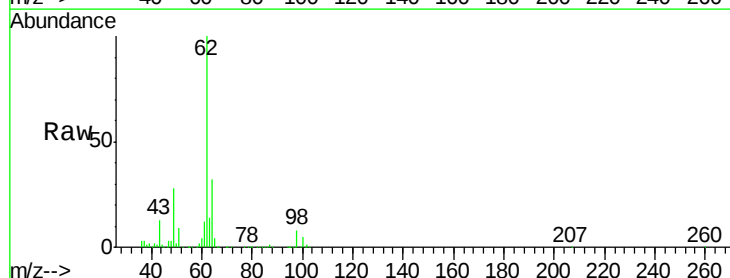
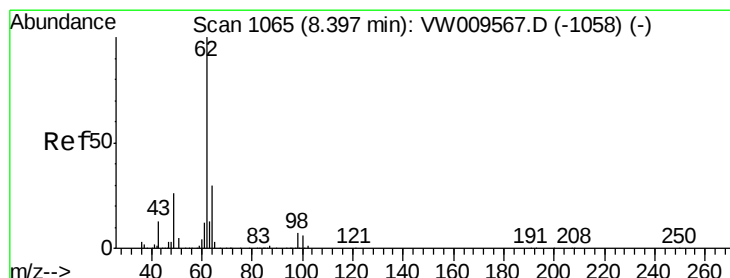
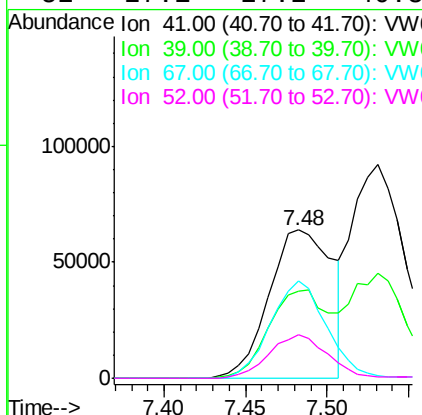
#41
Methacrylonitrile
Concen: 118.261 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	58.2	52.5	78.7
67	67	58.2	56.6	84.8
52	52	27.1	27.2	40.8

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

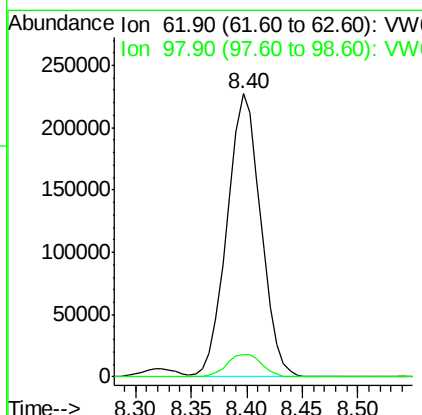
Manual Integrations
APPROVED

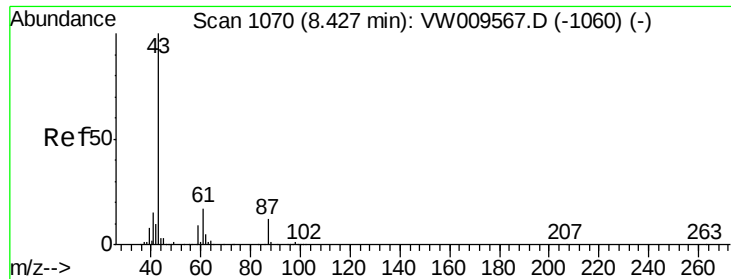
MMDadoda
4/1/2019 4:04:47 AM



#42
1,2-Dichloroethane
Concen: 101.457 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	8.4	0.0	17.4





#43

Isopropyl Acetate

Concen: 111.318 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

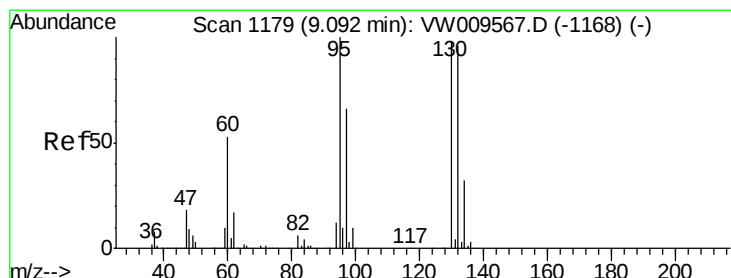
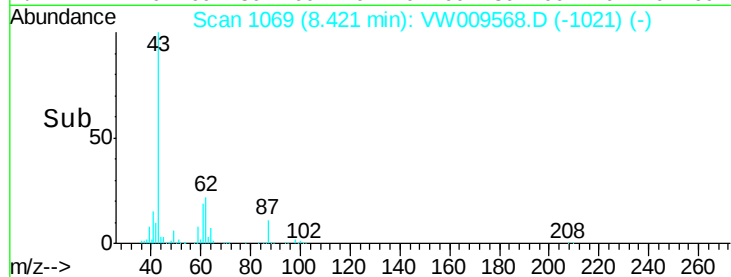
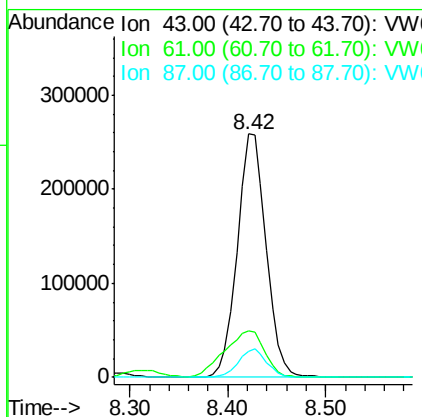
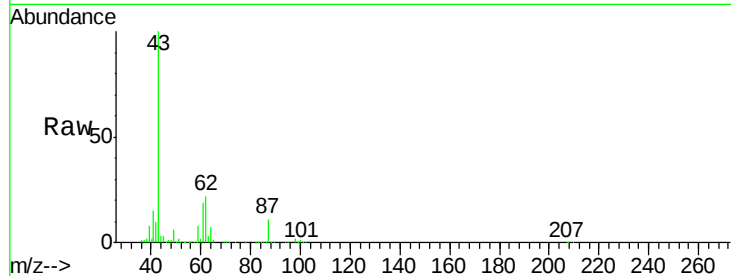
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	527074
Ion	Ratio	Lower	Upper
43	100		
61	26.8	22.2	33.2
87	11.6	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 98.356 ug/l

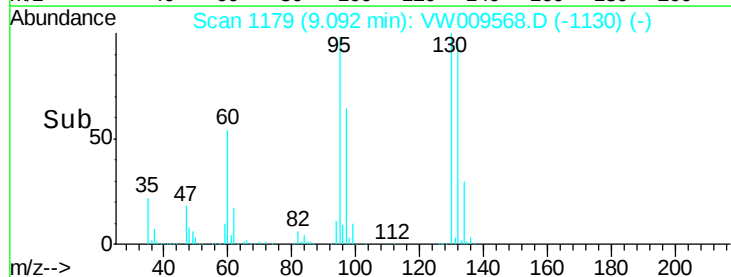
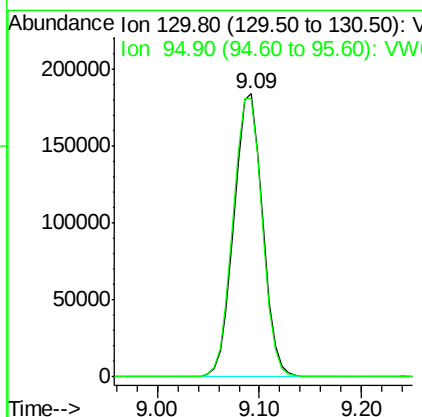
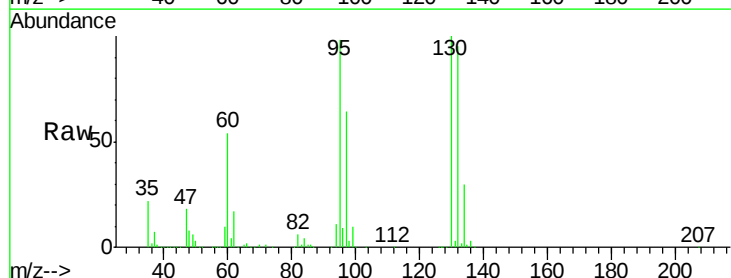
RT: 9.09 min Scan# 1179

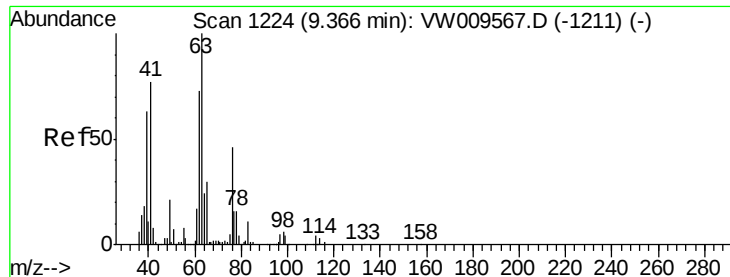
Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	130	Resp:	357180
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	192.6





#45

1,2-Dichloropropane

Concen: 97.429 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 349547

Ion Ratio Lower Upper

63 100

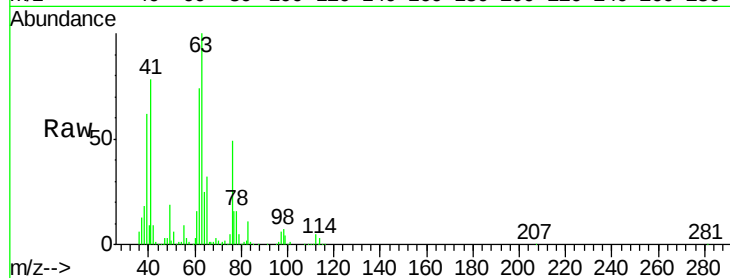
65 31.5 25.8 38.8

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

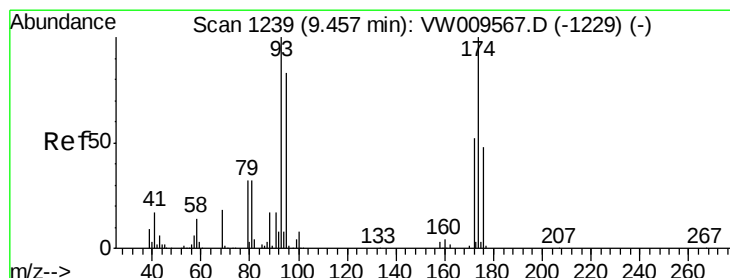
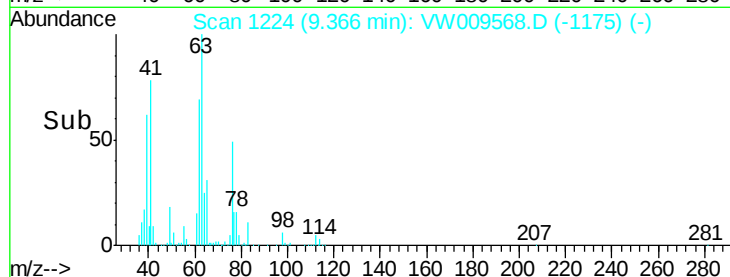
150000

100000

50000

0

Time--> 9.20 9.30 9.40 9.50



#46

Dibromomethane

Concen: 102.681 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

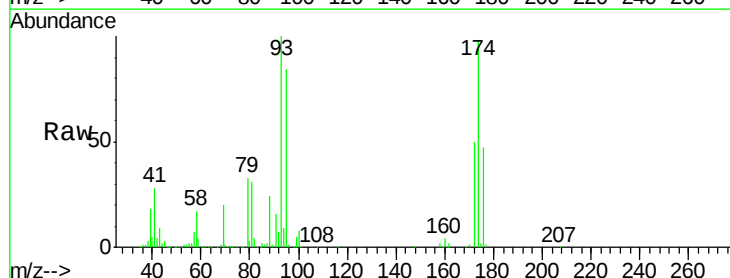
Tgt Ion: 93 Resp: 196958

Ion Ratio Lower Upper

93 100

95 82.0 66.9 100.3

174 95.8 80.8 121.2



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

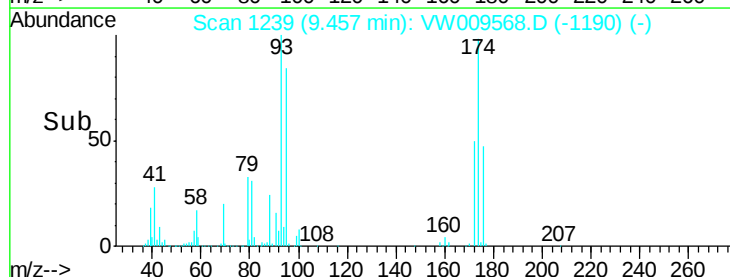
9.46

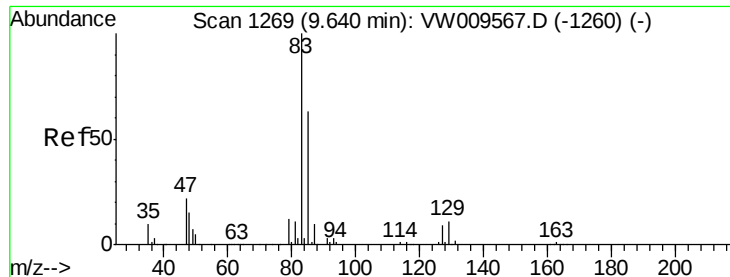
100000

50000

0

Time--> 9.35 9.40 9.45 9.50 9.55





#47

Bromodichloromethane

Concen: 100.629 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

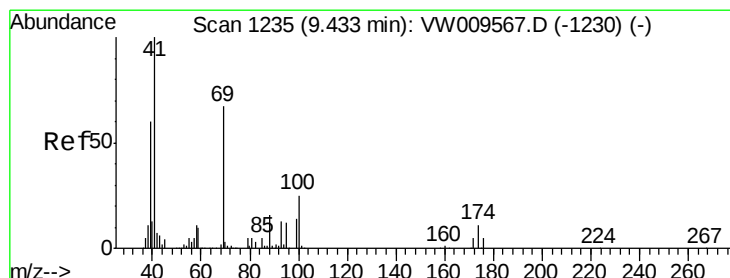
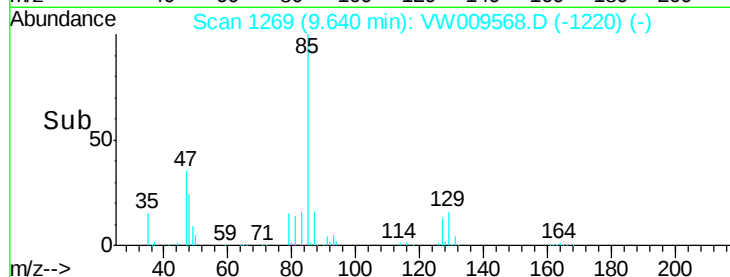
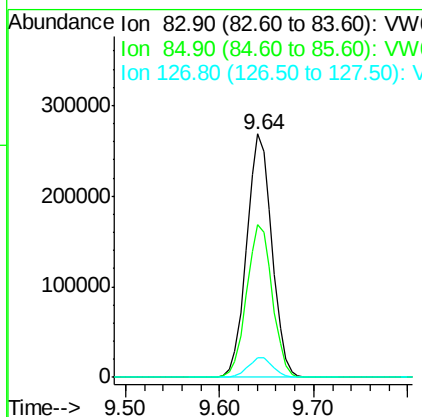
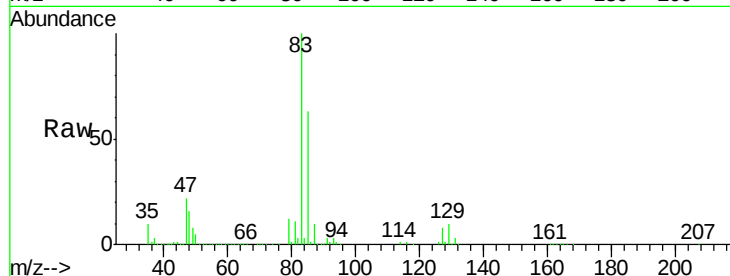
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	502874
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.6	79.0
127	7.9	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 109.585 ug/l

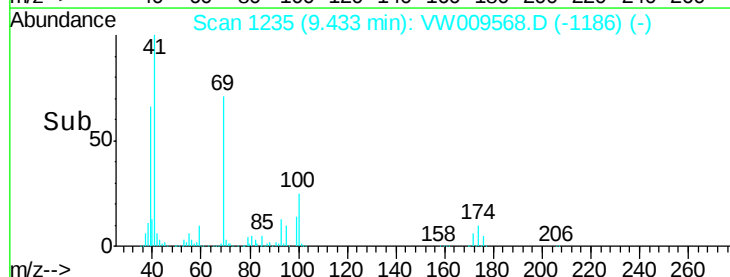
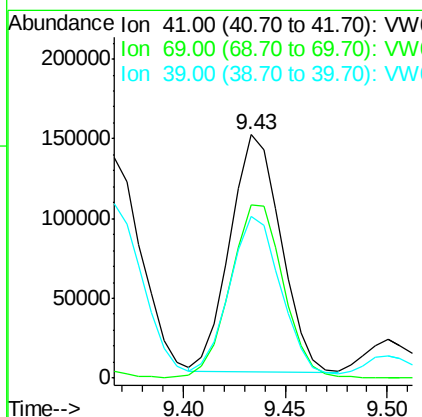
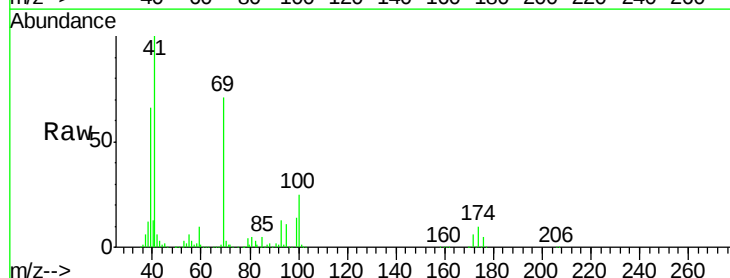
RT: 9.43 min Scan# 1235

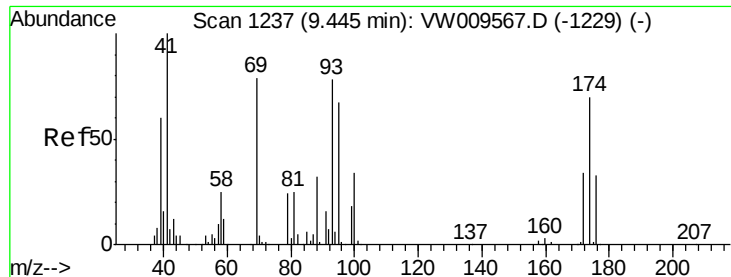
Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	41	Resp:	257268
Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.0	94.6
39	66.0	57.2	85.8





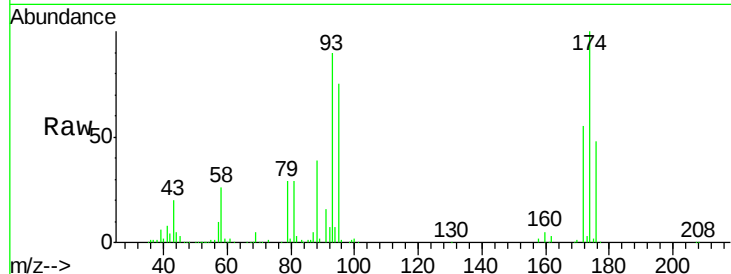
#49
1,4-Dioxane
Concen: 2044.399 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.7	44.5#
58	76.5	58.1	87.1

Manual Integrations
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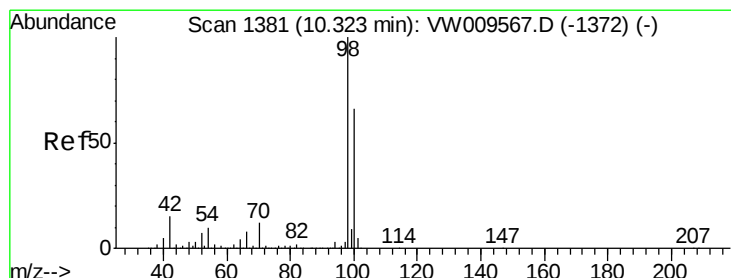
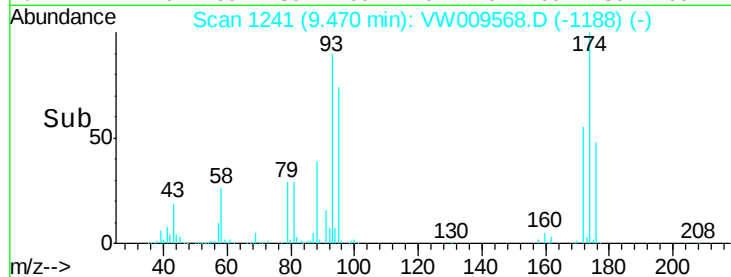
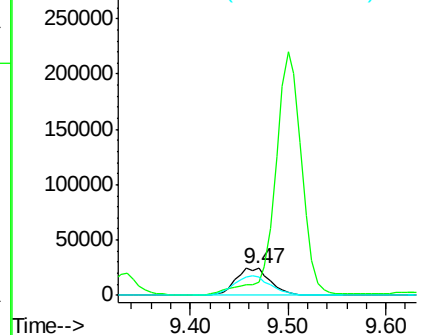


Abundance

Ion 88.00 (87.70 to 88.70): VW

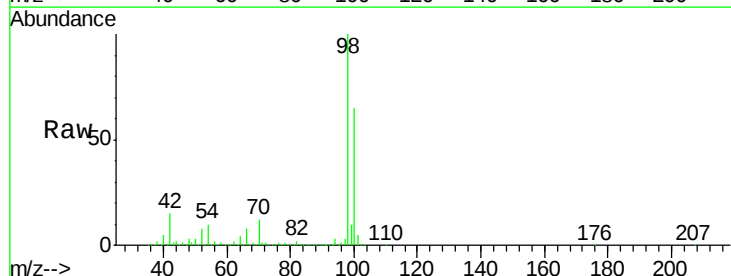
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 96.435 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

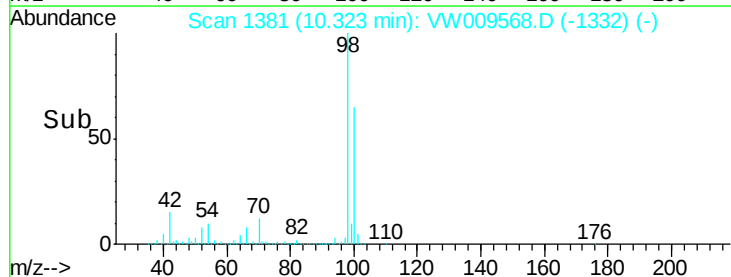
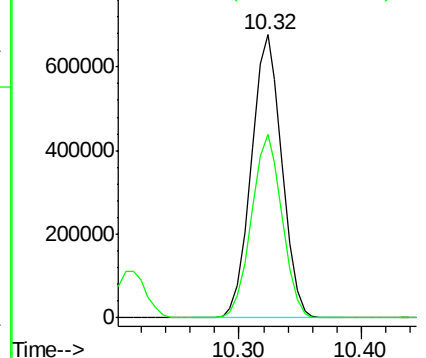
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.6	79.0

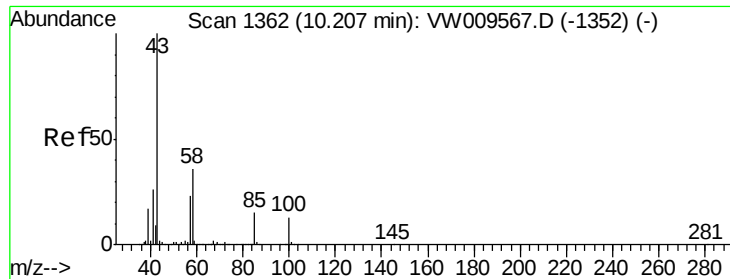


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





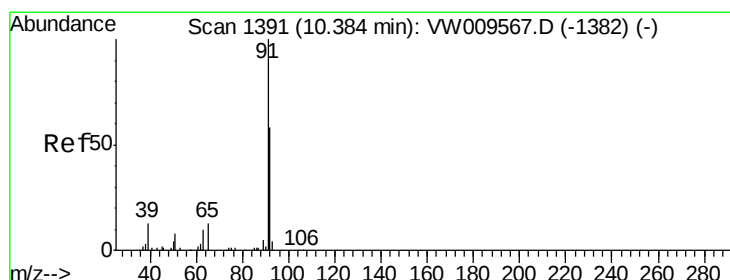
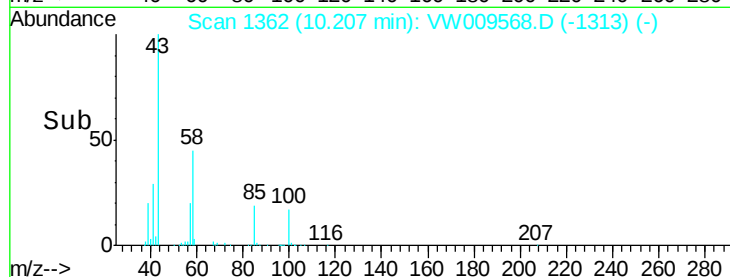
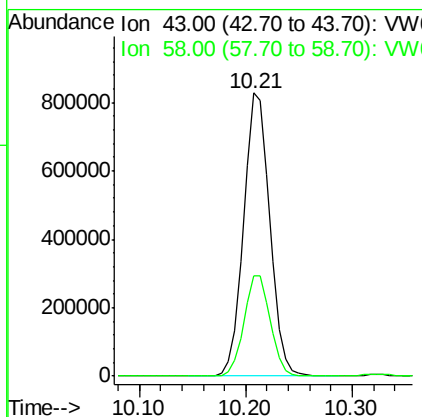
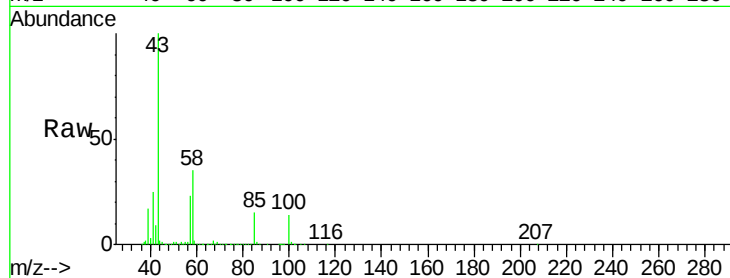
#51
4-Methyl-2-Pentanone
Concen: 550.830 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1429668
Ion Ratio Lower Upper
43 100
58 35.7 28.6 42.8

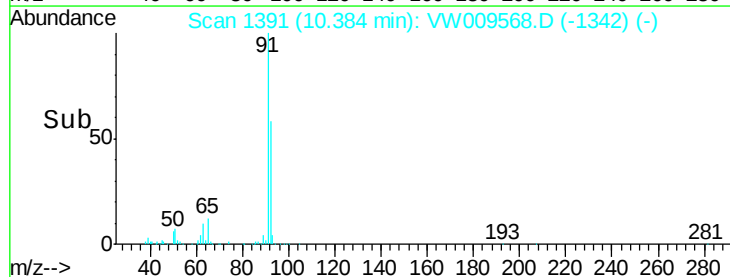
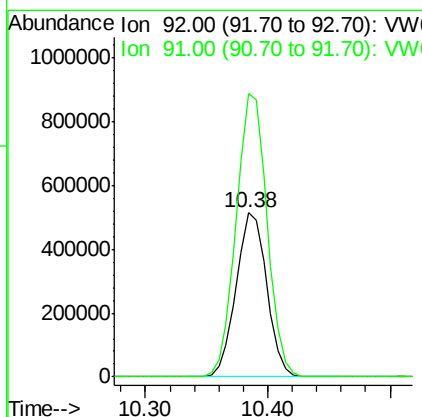
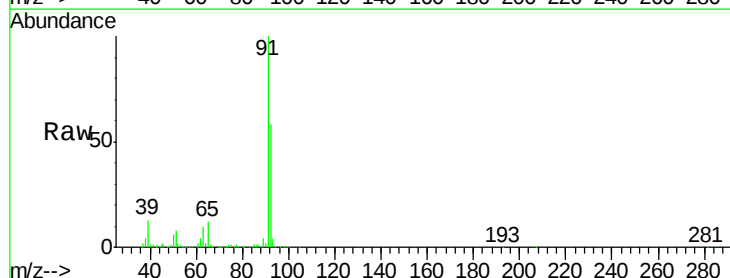
Manual Integrations
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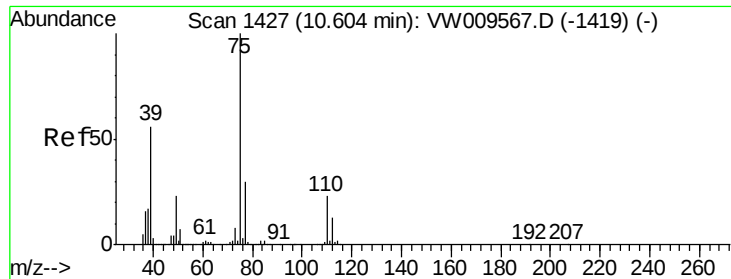
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4/1/2019 4:04:47 AM



#52
Toluene
Concen: 98.795 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 92 Resp: 891536
Ion Ratio Lower Upper
92 100
91 173.9 140.1 210.1





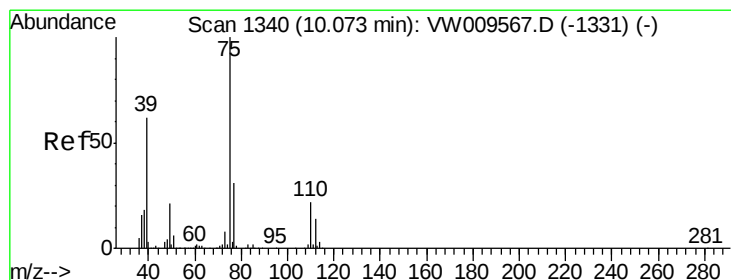
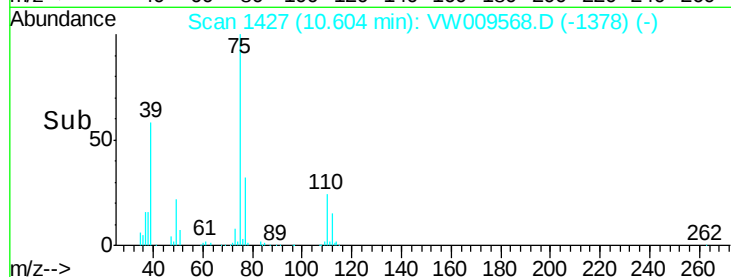
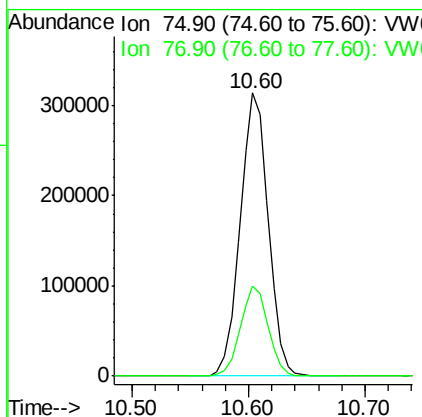
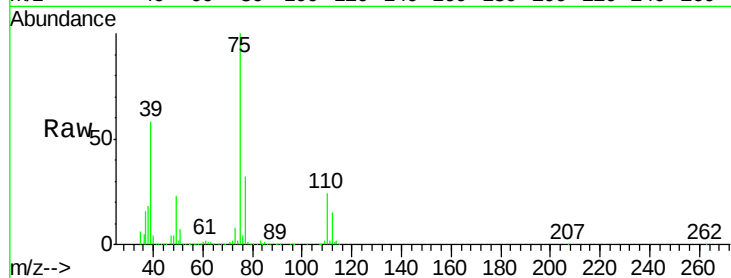
#53
t-1,3-Dichloropropene
Concen: 105.989 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.8	37.2

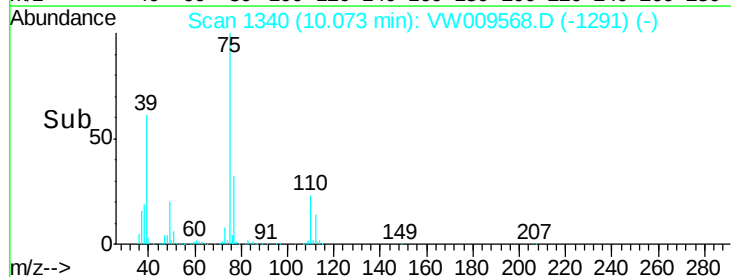
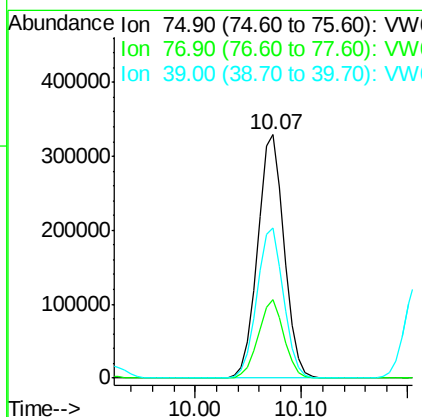
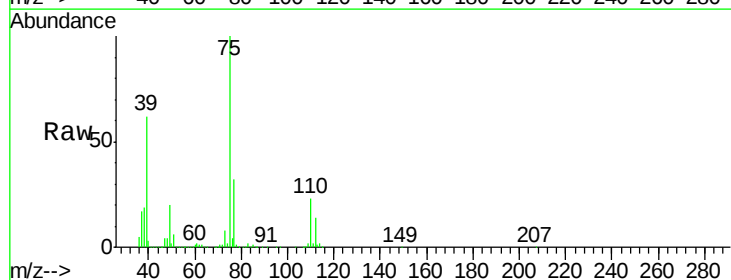
Manual Integrations
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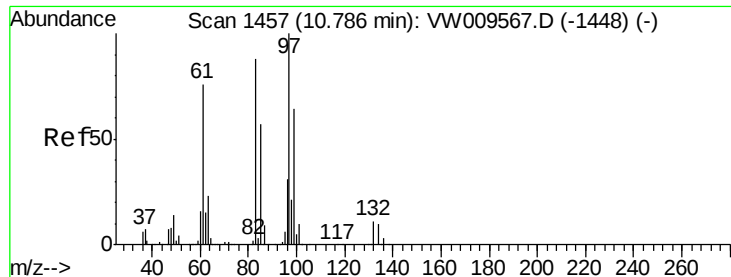
MMDadoda
4/1/2019 4:04:47 AM



#54
cis-1,3-Dichloropropene
Concen: 103.796 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.9	38.9
39	61.5	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 103.717 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

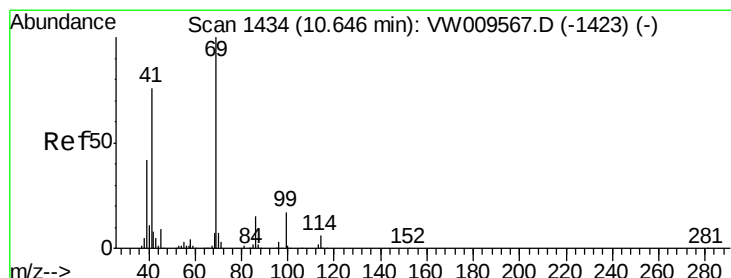
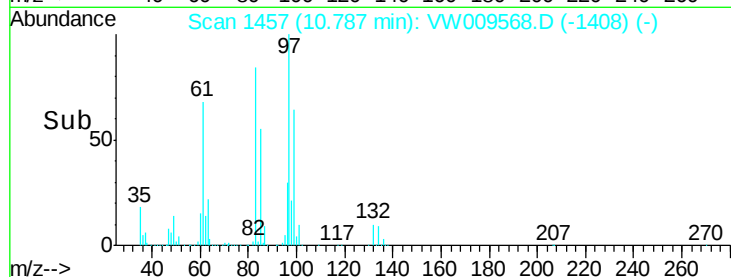
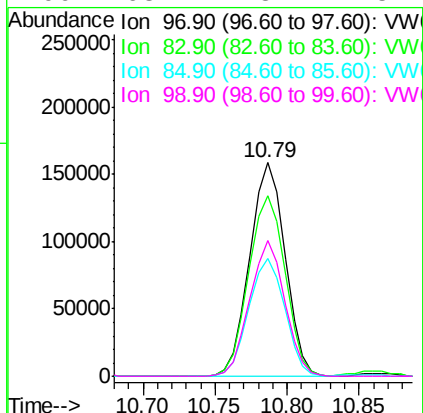
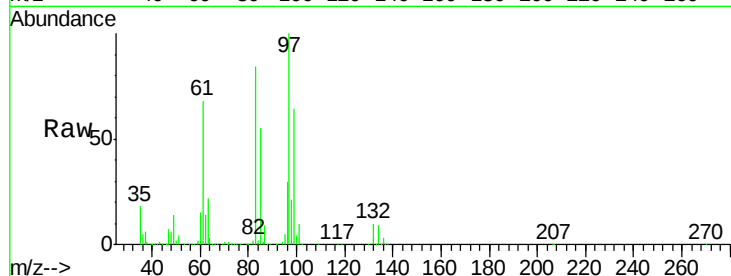
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	270592
Ion	Ratio	Lower	Upper
97	100		
83	84.4	66.3	99.5
85	55.3	41.4	62.2
99	63.7	48.7	73.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 112.743 ug/l

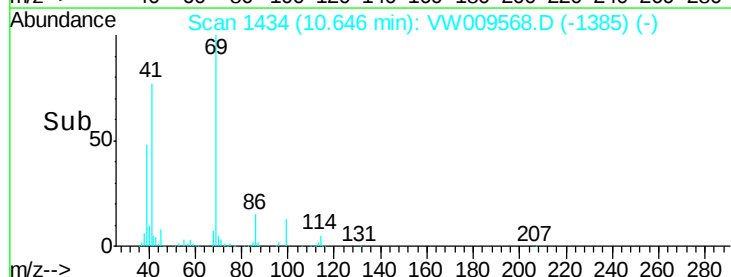
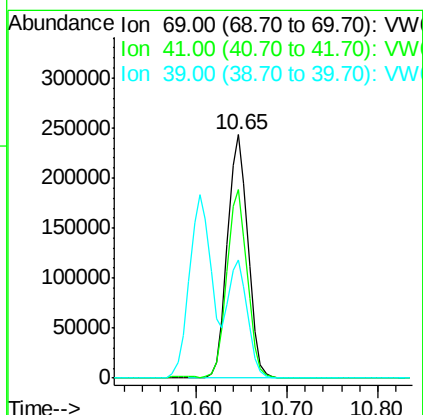
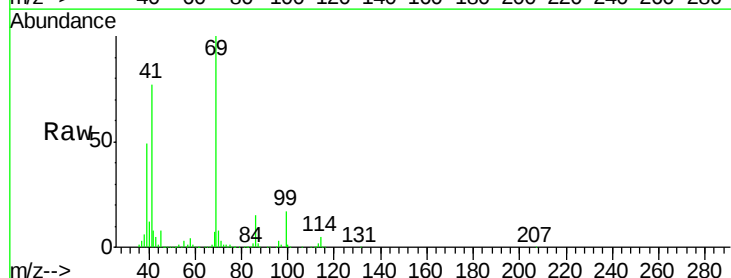
RT: 10.65 min Scan# 1434

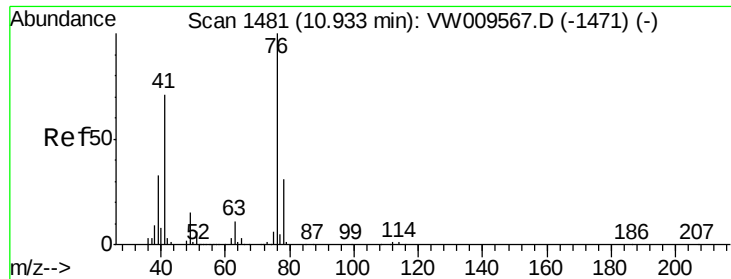
Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	69	Resp:	382413
Ion	Ratio	Lower	Upper
69	100		
41	76.7	59.3	88.9
39	45.0	36.2	54.2





#57

1,3-Dichloropropane

Concen: 103.415 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 485102

Ion Ratio Lower Upper

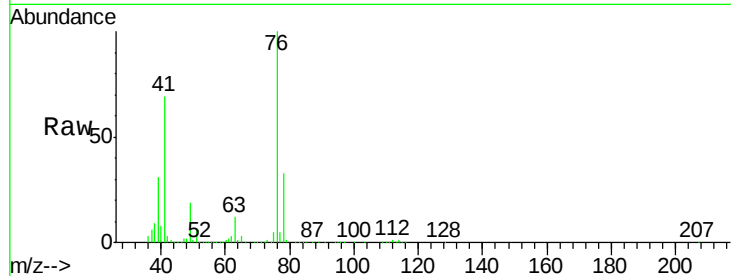
76 100

78 32.3 25.8 38.6

Manual Integrations
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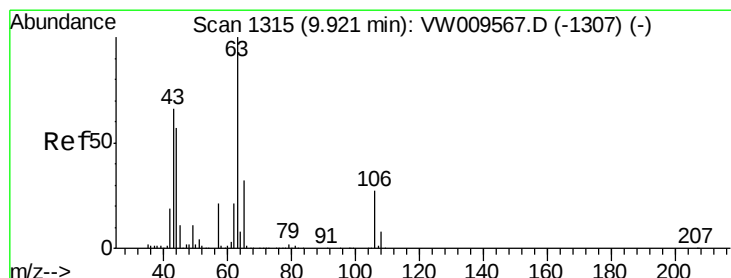
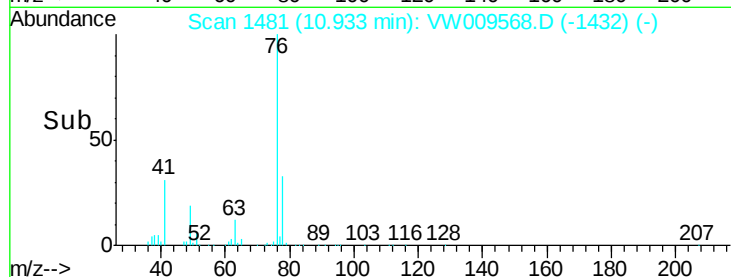
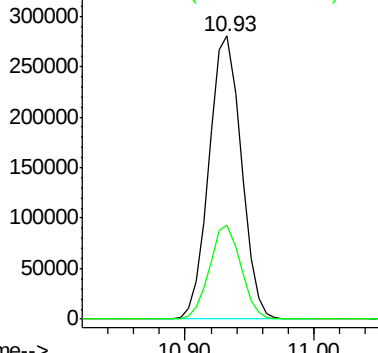
MMDadoda

4/1/2019 4:04:47 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 576.311 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009568.D

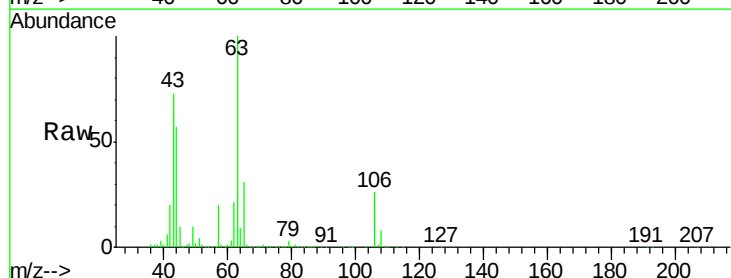
Acq: 29 Mar 2019 11:43

Tgt Ion: 63 Resp: 957682

Ion Ratio Lower Upper

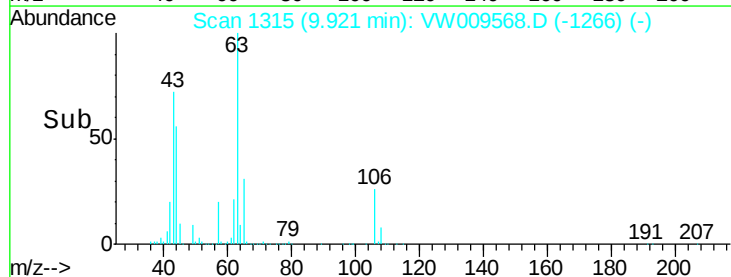
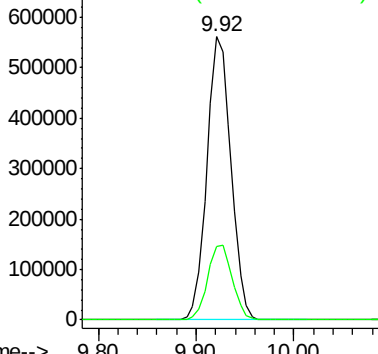
63 100

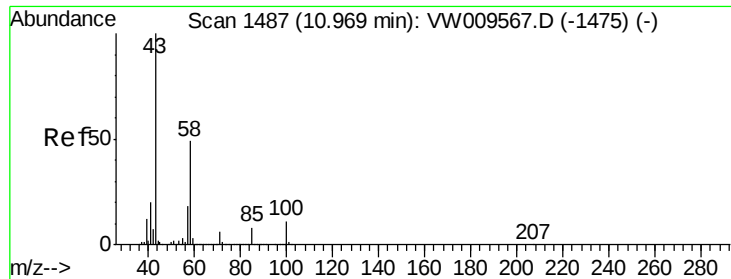
106 27.2 22.9 34.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V





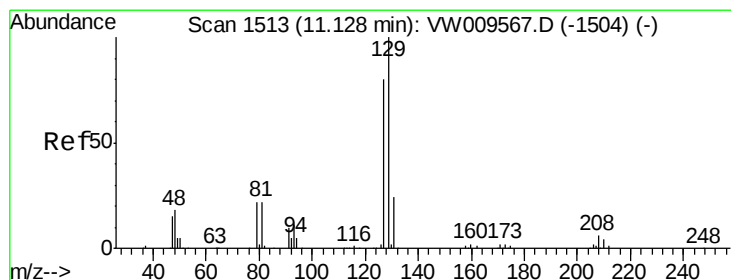
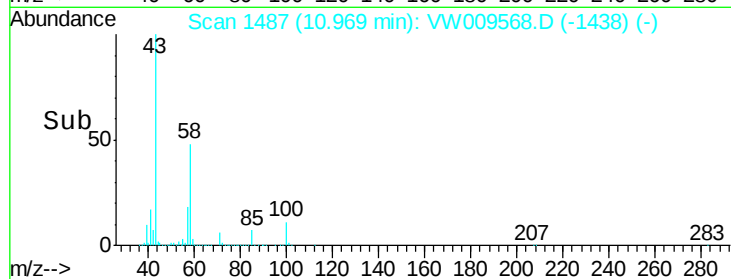
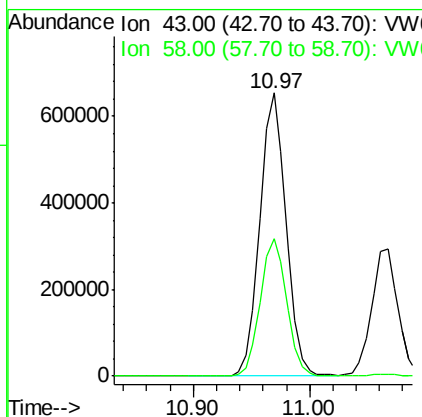
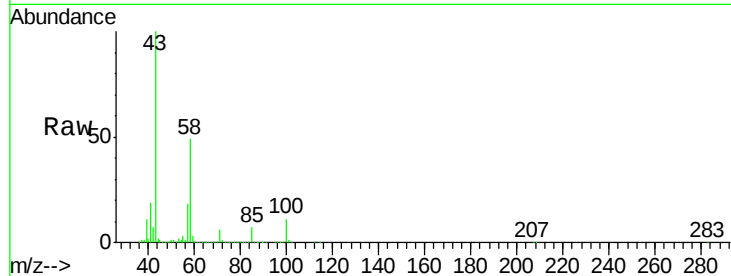
#59
2-Hexanone
Concen: 556.558 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1027740
Ion Ratio Lower Upper
43 100
58 49.0 24.2 72.6

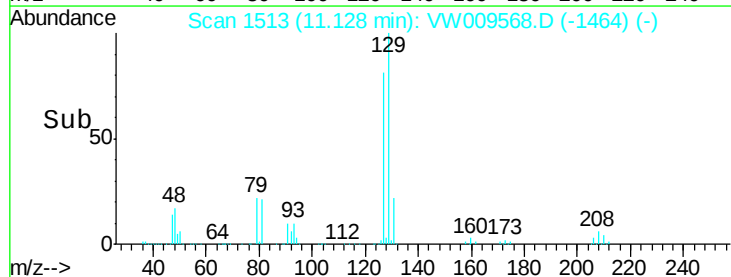
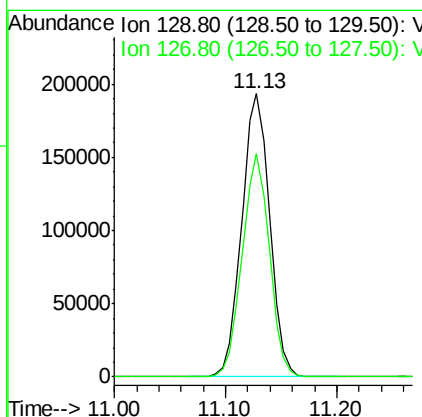
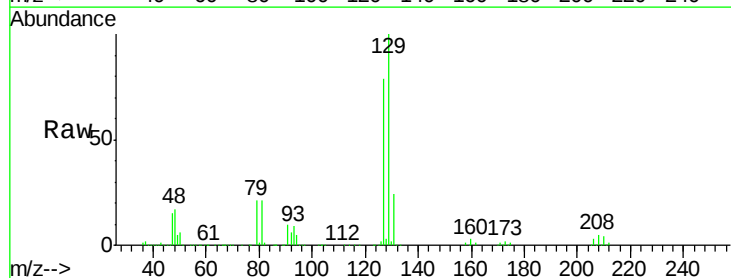
Manual Integrations
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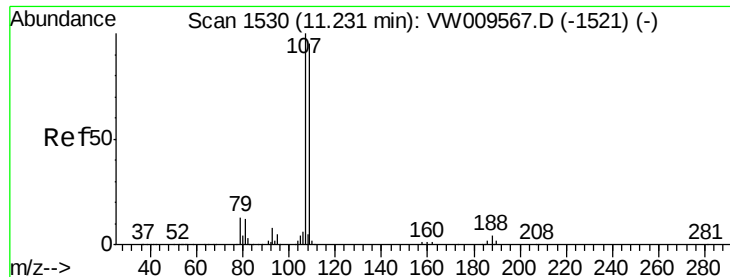
MMDadoda
4/1/2019 4:04:47 AM



#60
Dibromochloromethane
Concen: 106.060 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 129 Resp: 335983
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 103.880 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 261559

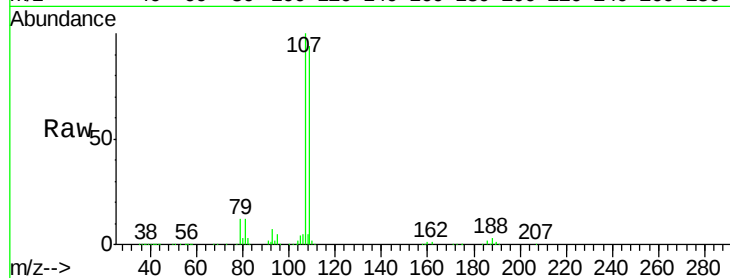
Ion Ratio Lower Upper

107 100

109 94.7 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

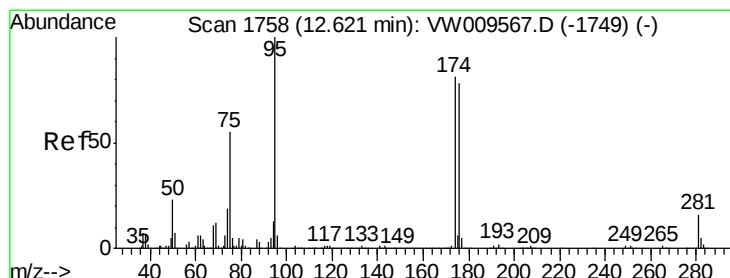
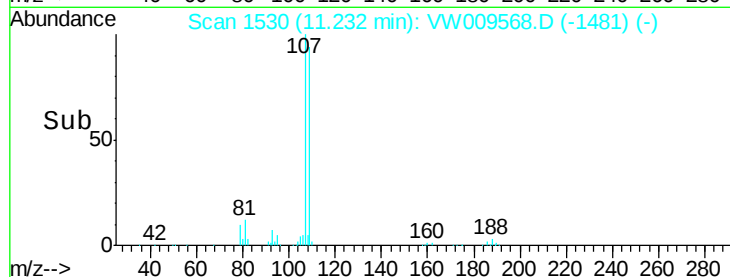
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 98.929 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

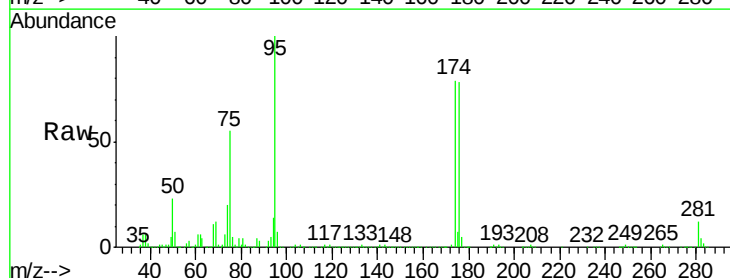
Tgt Ion: 95 Resp: 449357

Ion Ratio Lower Upper

95 100

174 78.1 0.0 168.4

176 75.4 0.0 161.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

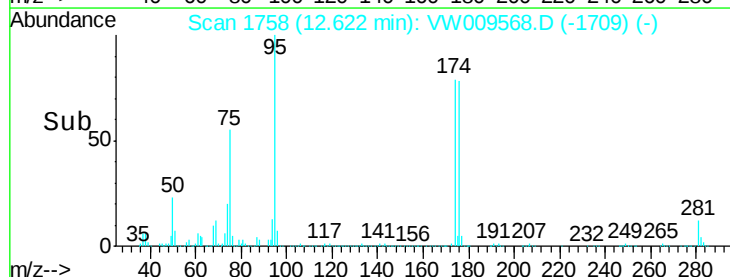
300000

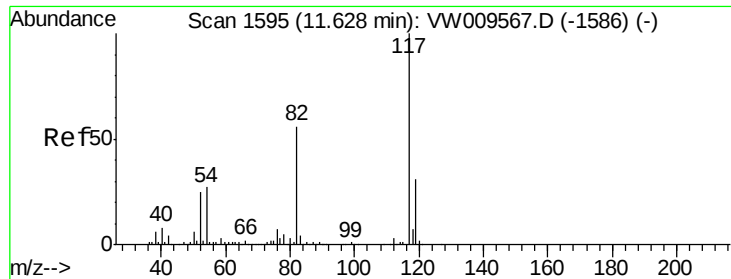
200000

100000

0

Time-->





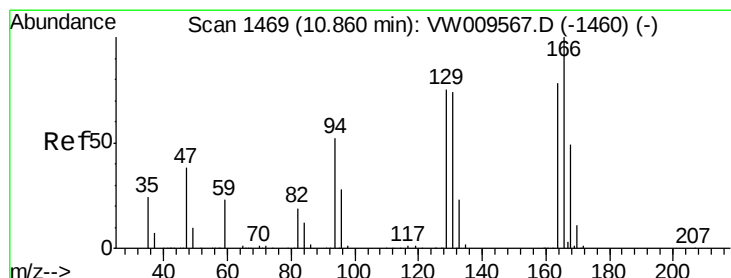
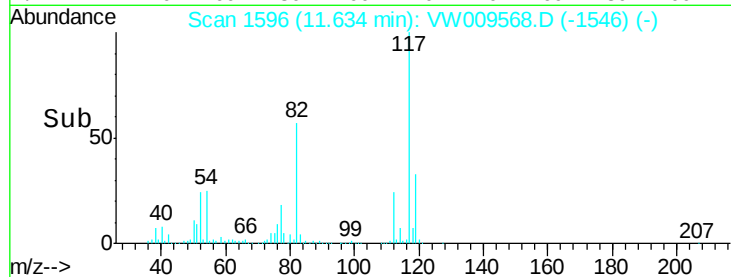
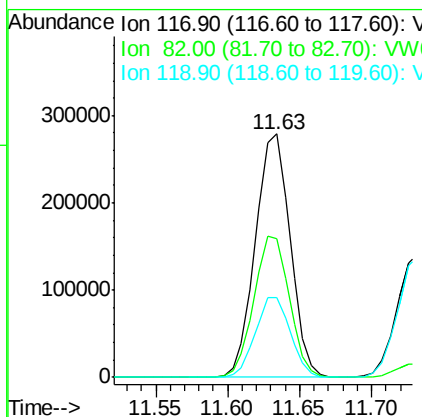
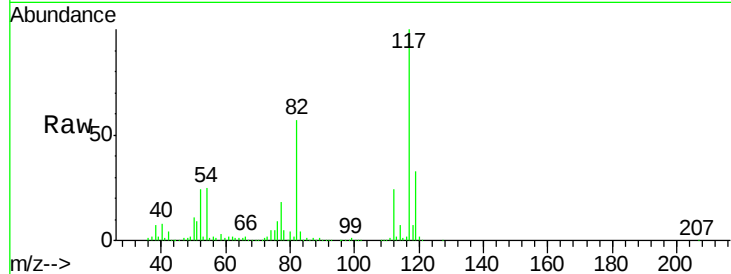
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	468381		
82	56.8		43.6	65.4
119	32.9		26.0	39.0

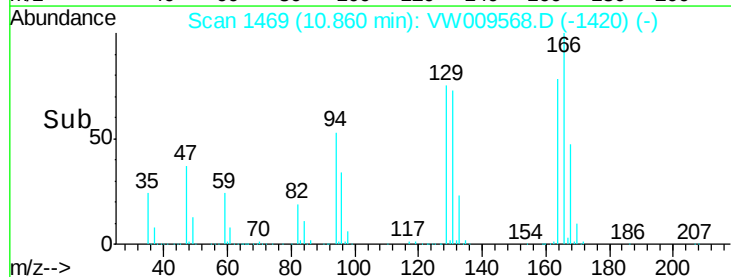
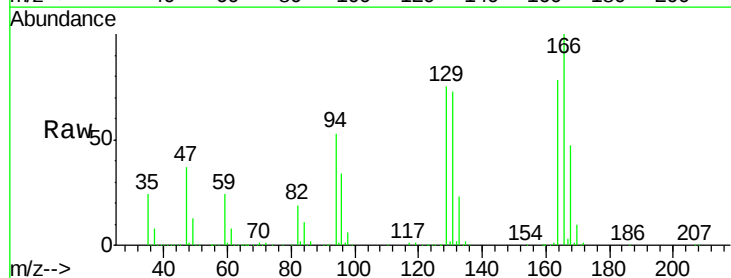
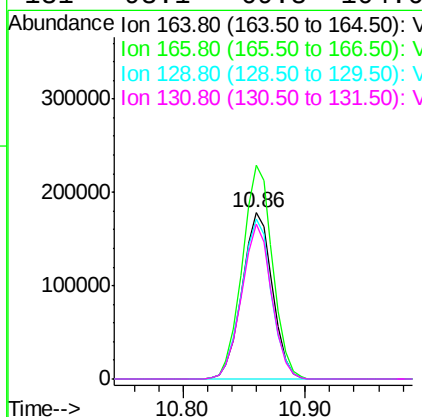
Manual Integrations
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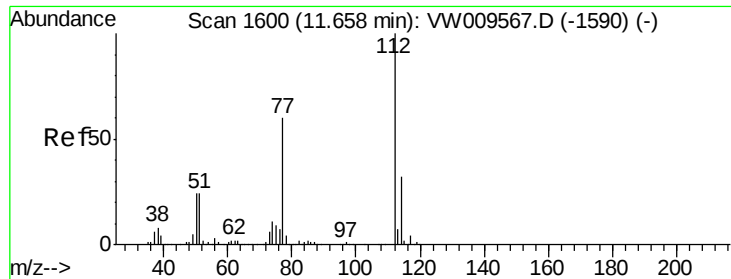
MMDadoda
4/1/2019 4:04:47 AM



#64
Tetrachloroethene
Concen: 98.165 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	305335		
166	128.4		100.9	151.3
129	96.4		72.0	108.0
131	93.1		69.8	104.6





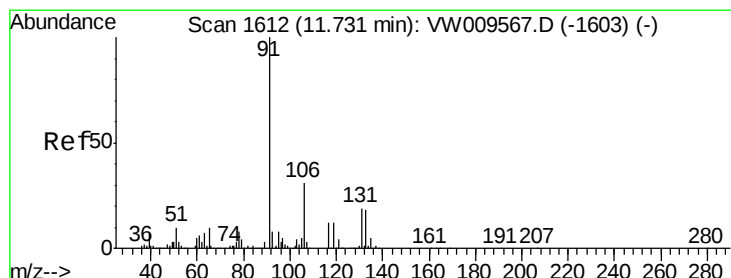
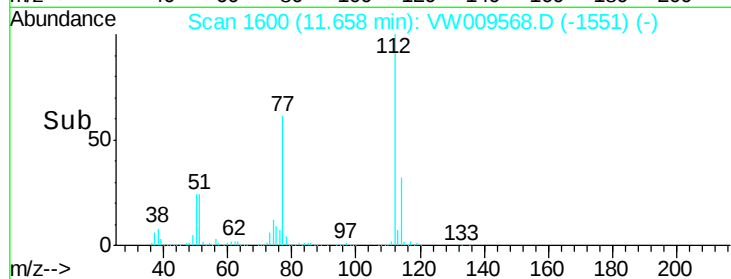
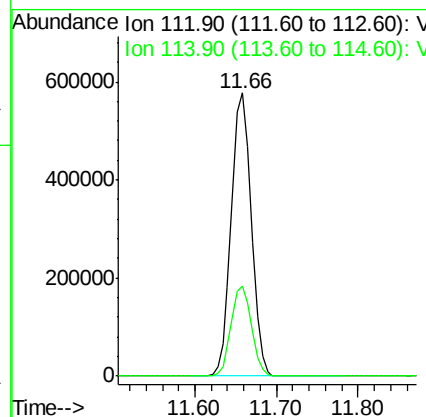
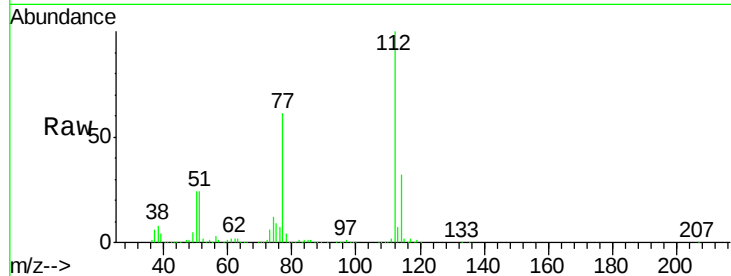
#65
Chlorobenzene
Concen: 99.585 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.6	38.4

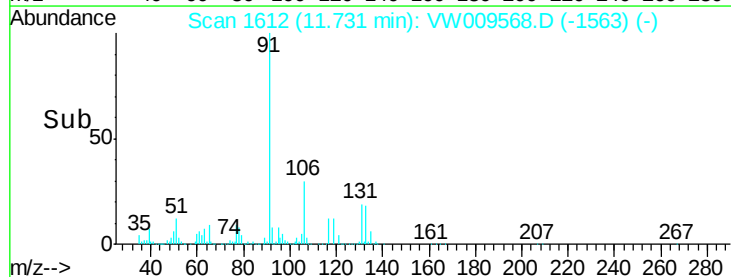
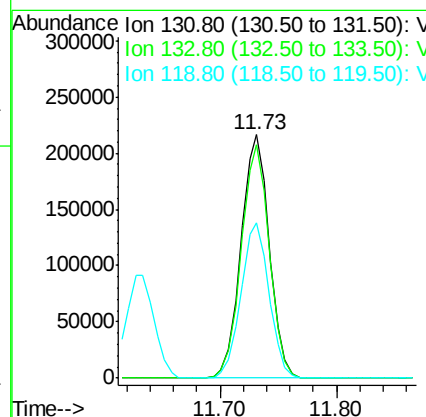
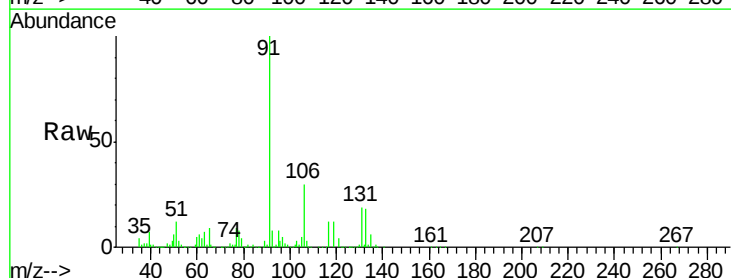
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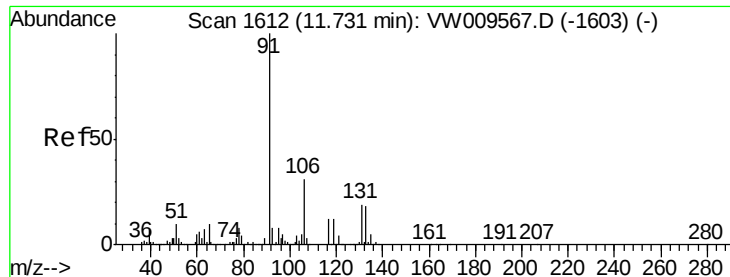
MMDadoda
4/1/2019 4:04:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 101.238 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.8
119	63.8	31.6	95.0





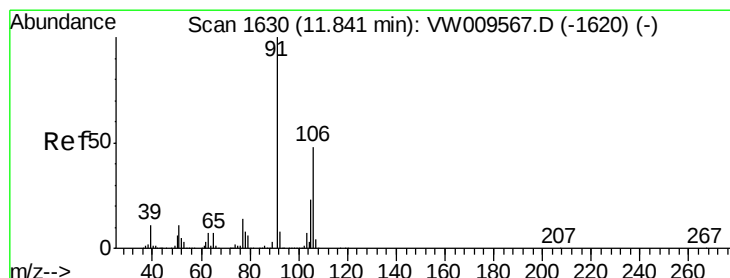
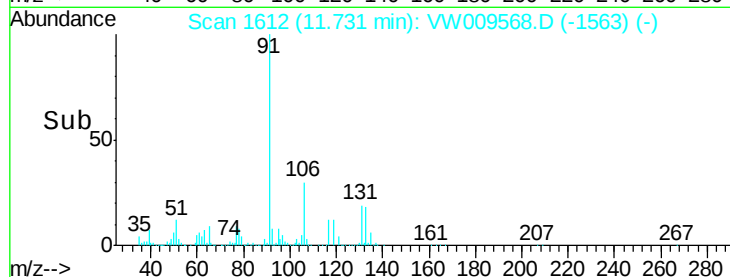
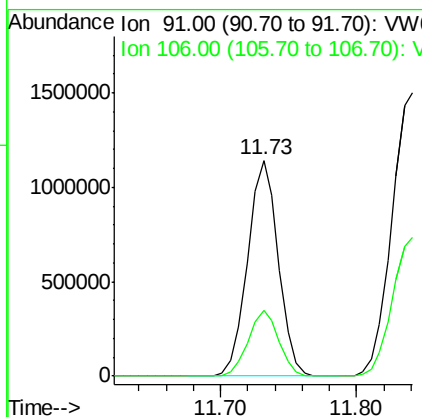
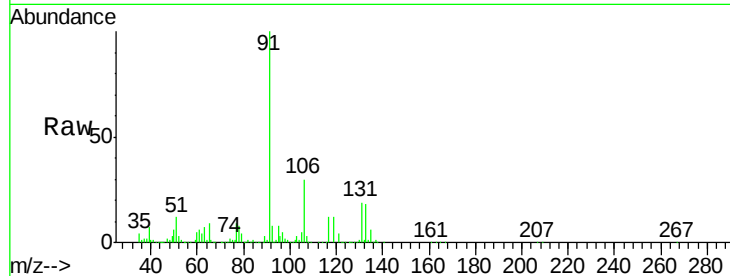
#67
Ethyl Benzene
Concen: 100.572 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1803148
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

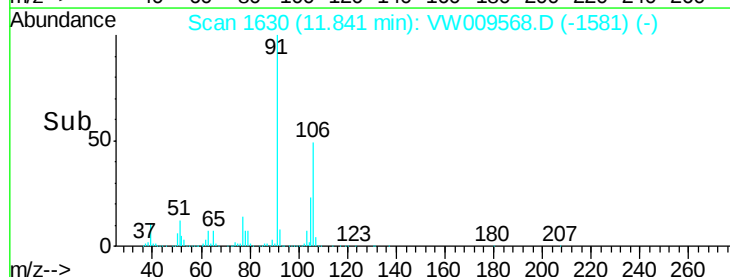
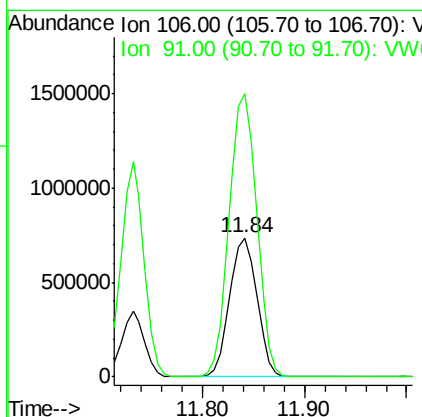
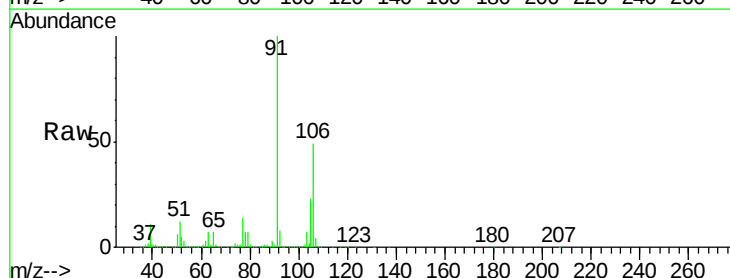
Manual Integrations
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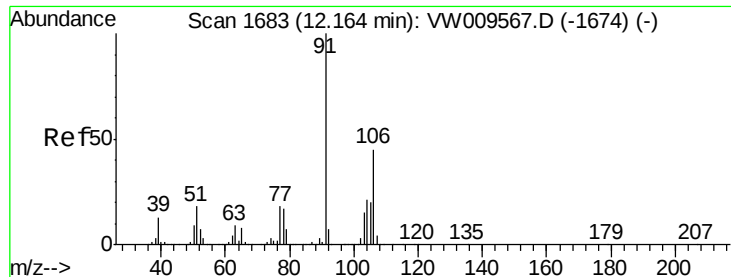
MMDadoda
4/1/2019 4:04:47 AM



#68
m/p-Xylenes
Concen: 200.759 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 106 Resp: 1367763
Ion Ratio Lower Upper
106 100
91 204.9 163.1 244.7





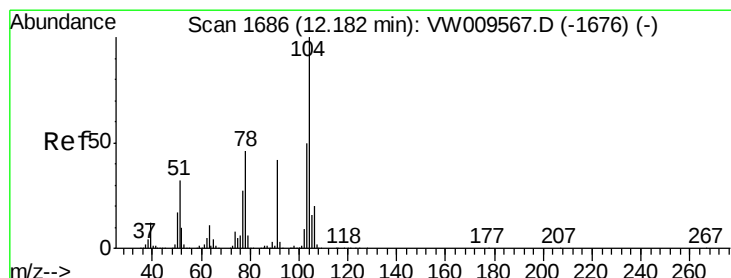
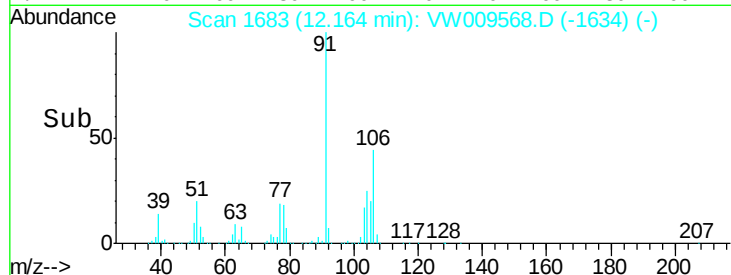
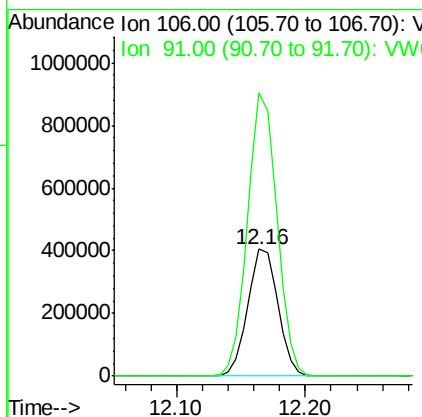
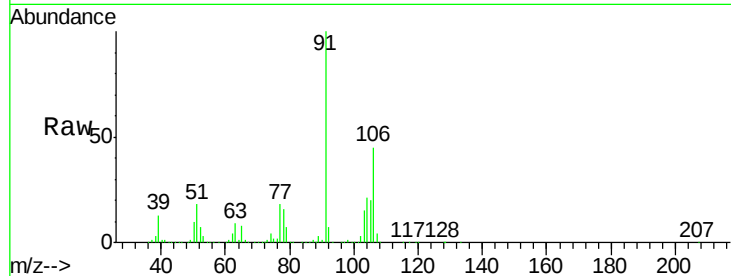
#69
o-Xylene
Concen: 102.348 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 654143
Ion Ratio Lower Upper
106 100
91 218.1 108.6 325.8

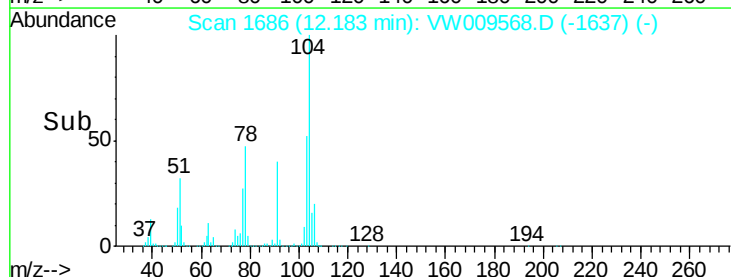
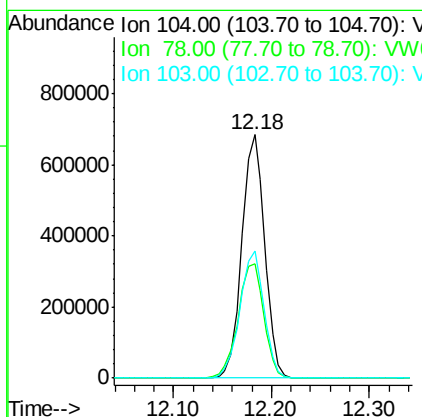
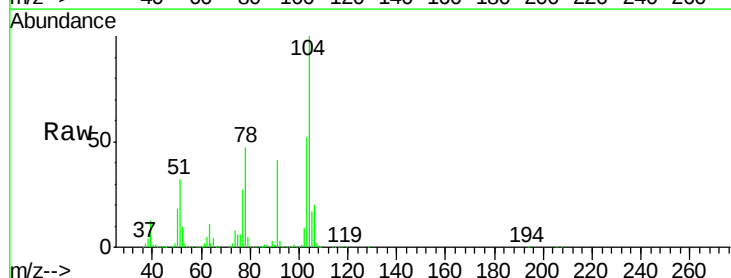
Manual Integrations
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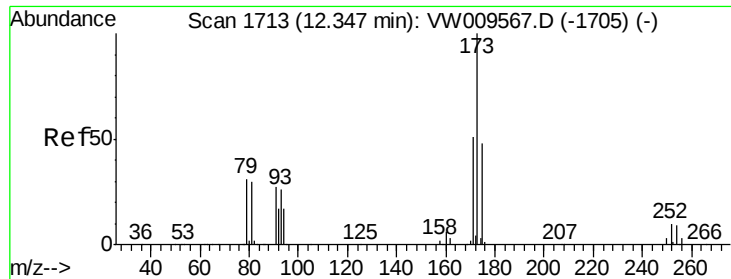
MMDadoda
4/1/2019 4:04:47 AM



#70
Styrene
Concen: 102.369 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion:104 Resp: 1105421
Ion Ratio Lower Upper
104 100
78 53.0 42.2 63.4
103 55.5 44.6 66.8





#71

Bromoform

Concen: 107.892 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 209358

Ion Ratio Lower Upper

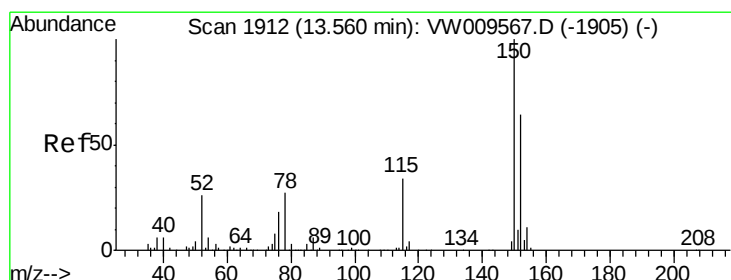
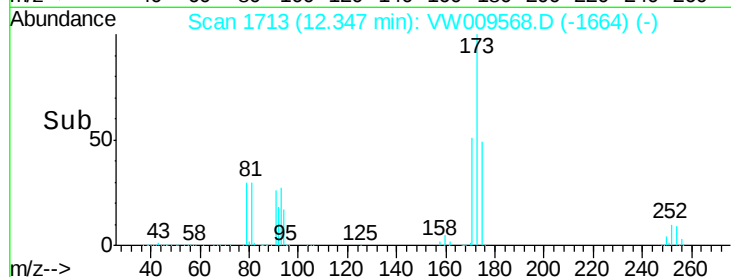
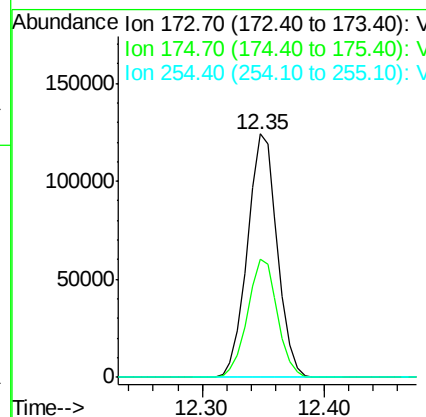
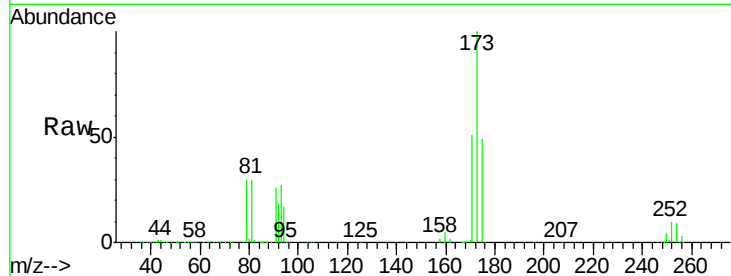
173 100

175 48.8 24.1 72.4

254 0.2 0.2 0.4#

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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: VW009568.D

Acq: 29 Mar 2019 11:43

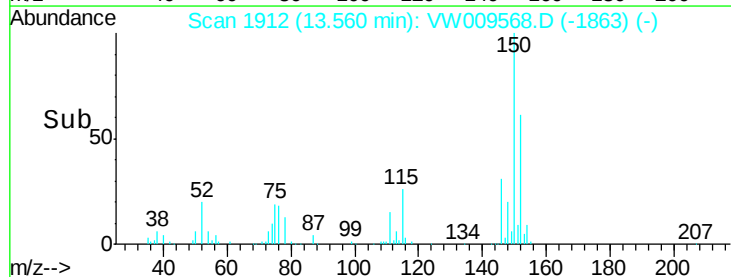
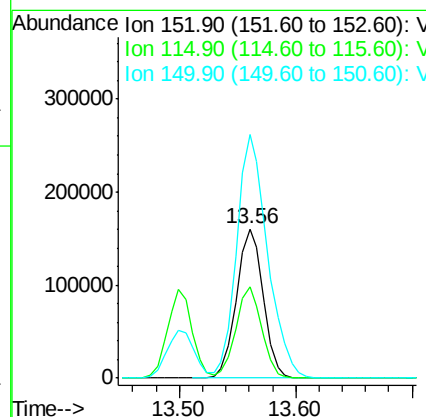
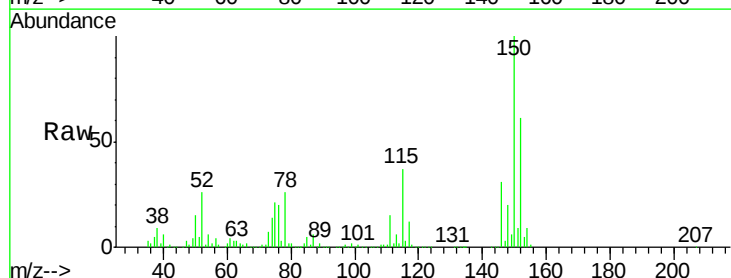
Tgt Ion:152 Resp: 255145

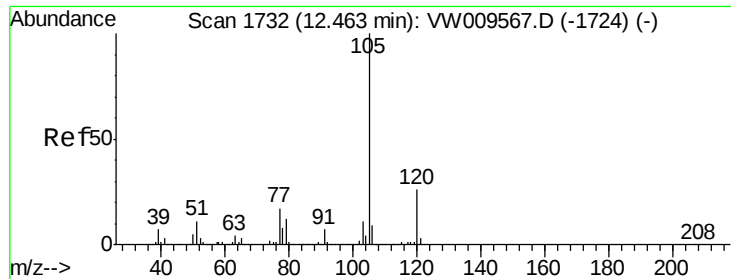
Ion Ratio Lower Upper

152 100

115 59.2 29.6 88.8

150 188.5 0.0 349.2





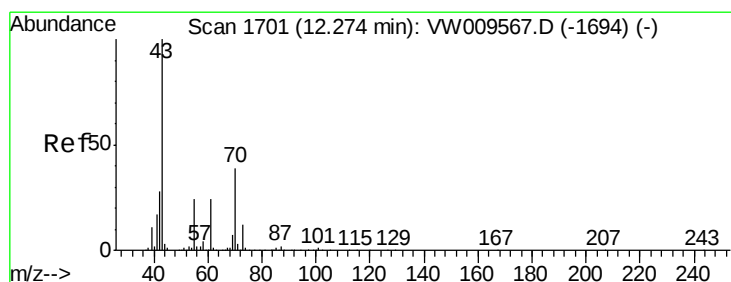
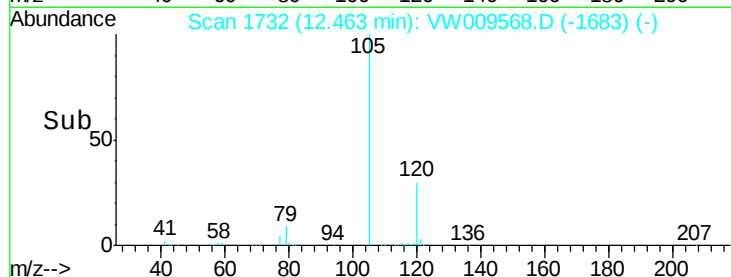
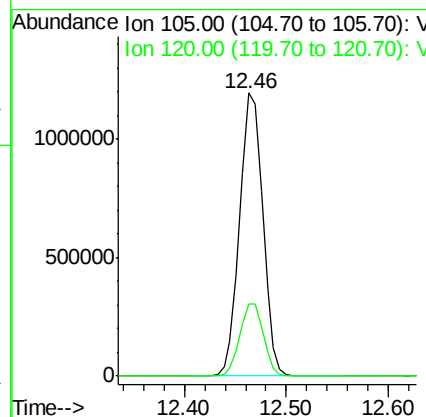
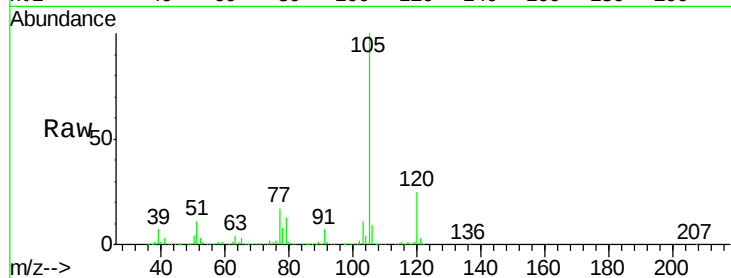
#73
Isopropylbenzene
Concen: 99.420 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1873643
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0

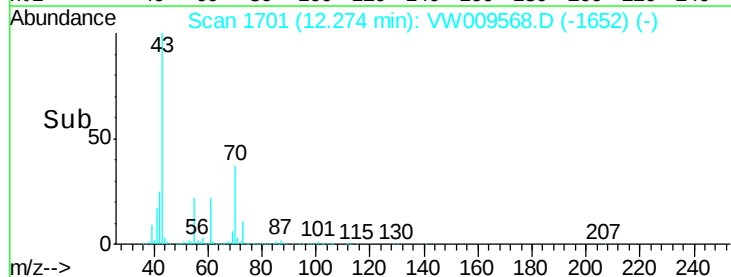
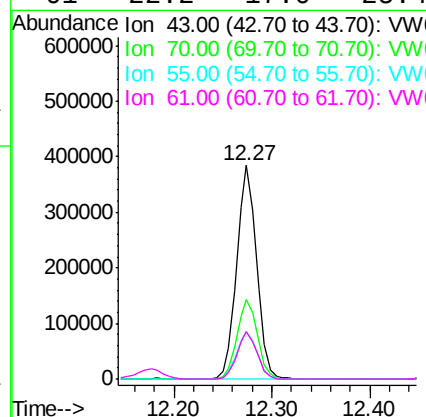
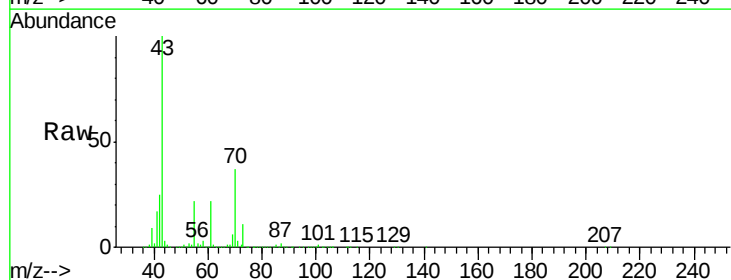
Manual Integrations
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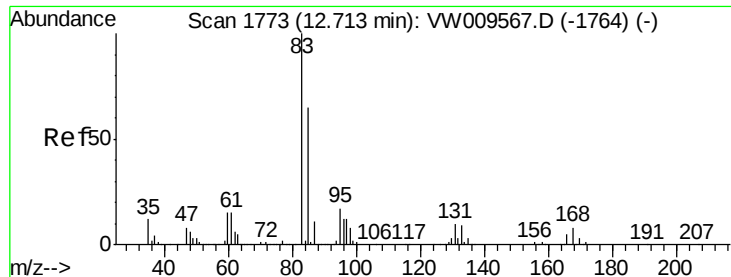
MMDadoda
4/1/2019 4:04:47 AM



#74
N-ethyl acetate
Concen: 113.669 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 43 Resp: 540187
Ion Ratio Lower Upper
43 100
70 38.4 30.6 46.0
55 23.2 19.3 28.9
61 22.2 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 103.981 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

VSTDICC100

Tot Ion: 83 Resp: 345599

Ion Ratio Lower Upper

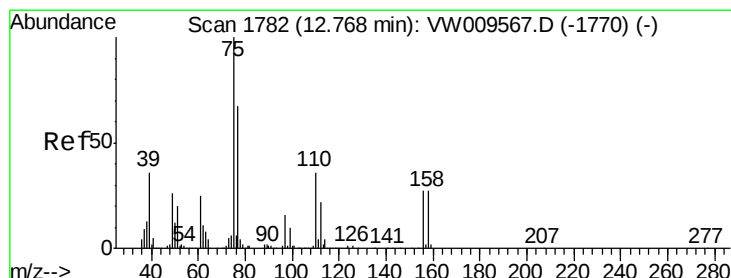
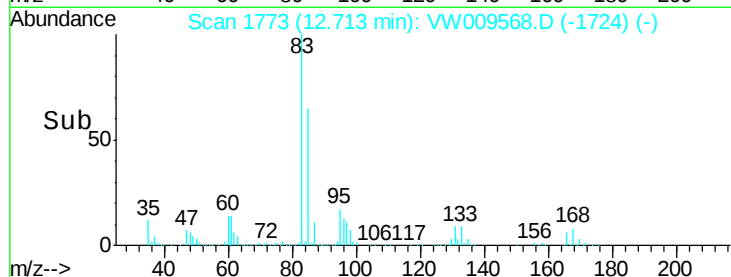
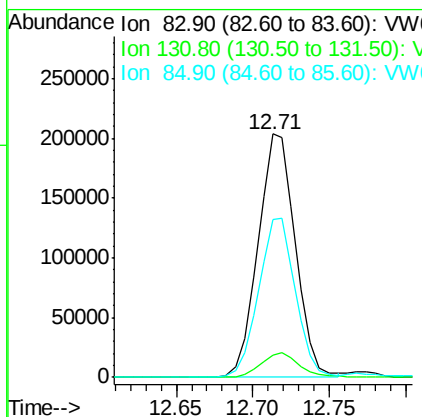
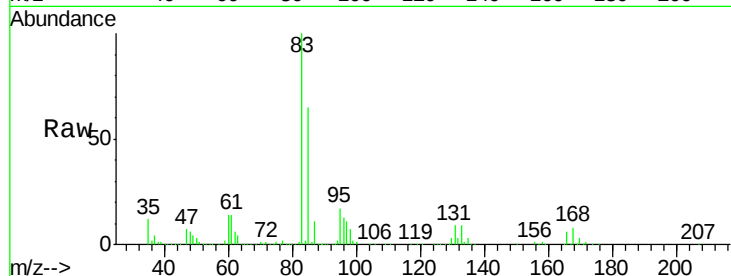
83 100

131 10.4 5.3 16.1

85 64.6 32.6 97.8

Manual Integrations
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4/1/2019 4:04:47 AM



#76

1,2,3-Trichloropropane

Concen: 100.672 ug/l m

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009568.D

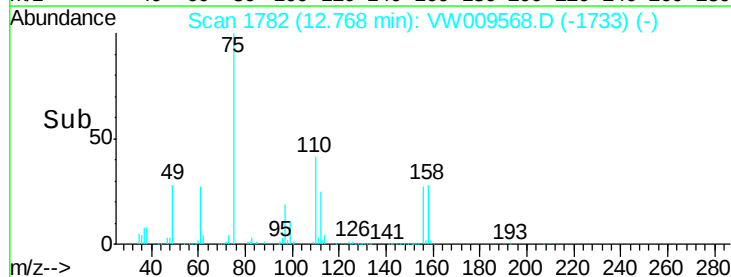
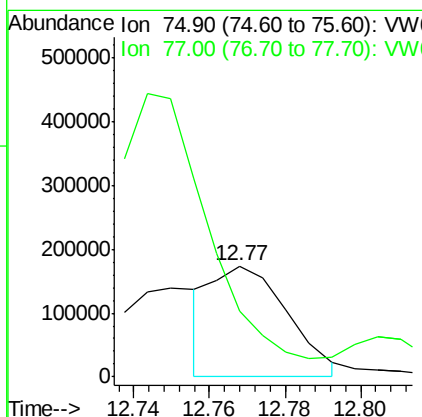
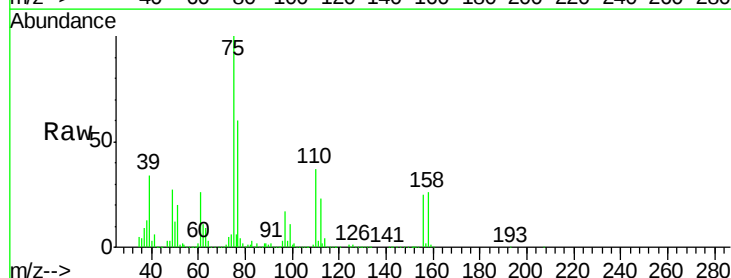
Acq: 29 Mar 2019 11:43

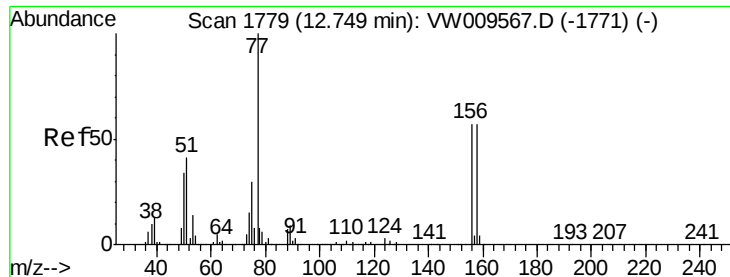
Tgt Ion: 75 Resp: 242934

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 98.061 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

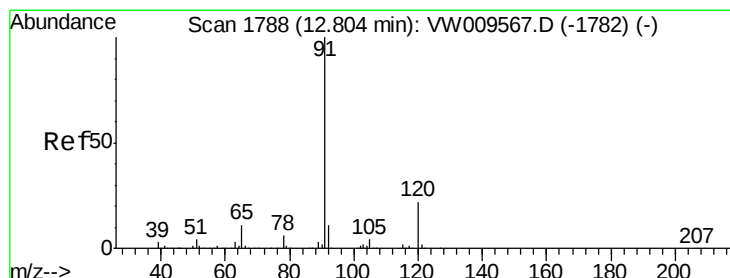
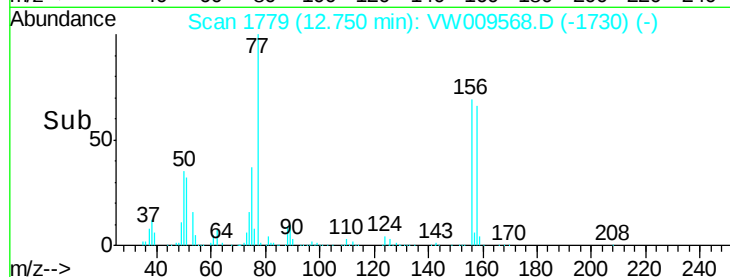
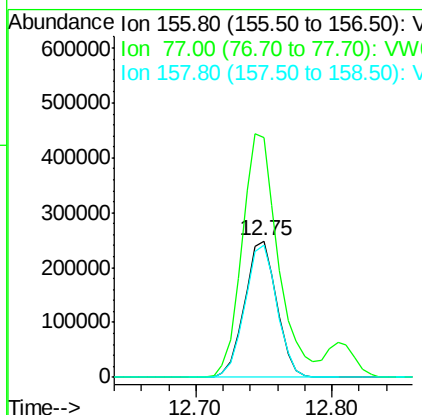
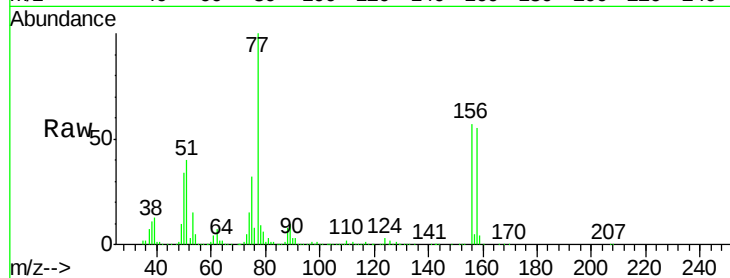
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	411891
Ion Ratio	Lower	Upper	
156	100		
77	198.8	96.0	288.0
158	96.5	49.1	147.3

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#78

n-propylbenzene

Concen: 97.908 ug/l

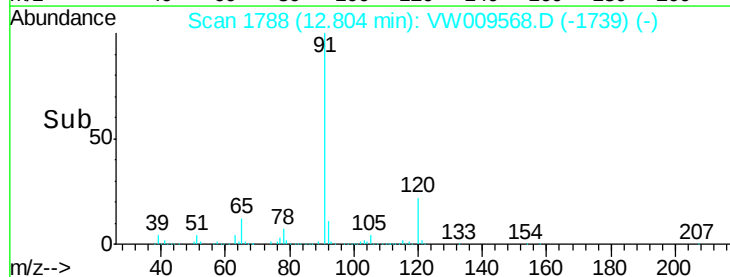
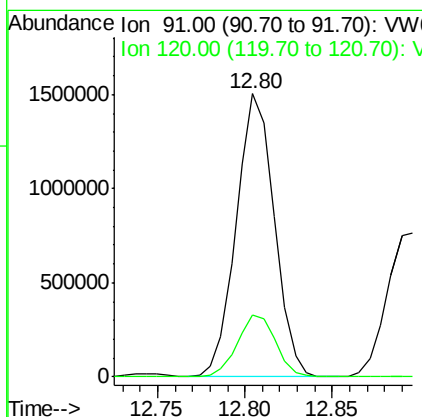
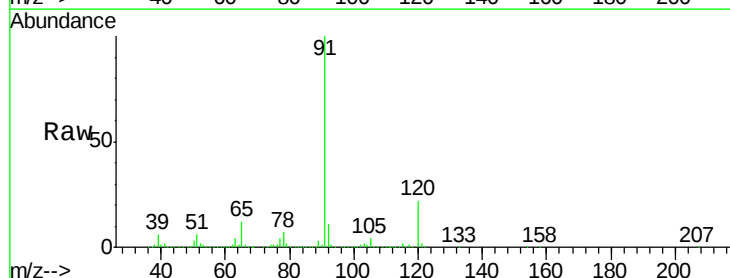
RT: 12.80 min Scan# 1788

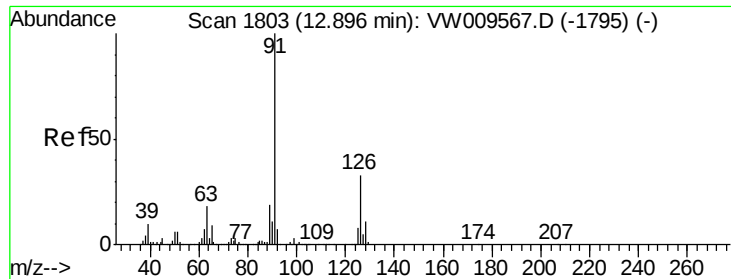
Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	91	Resp:	2272993
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.3





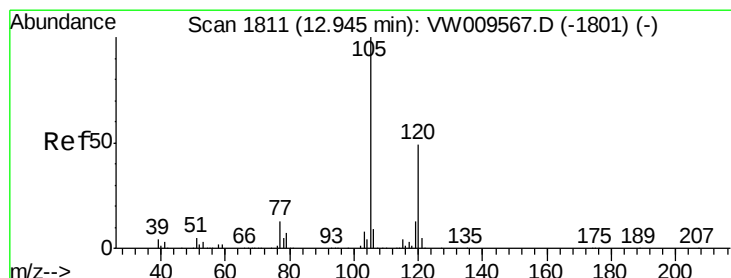
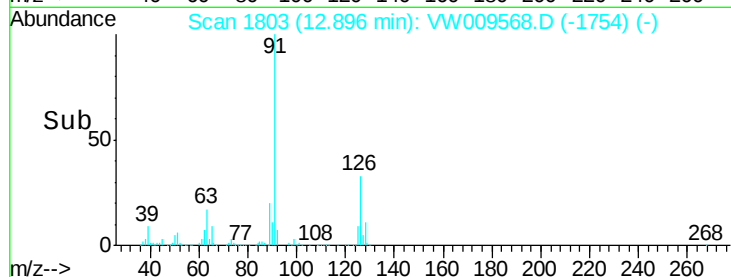
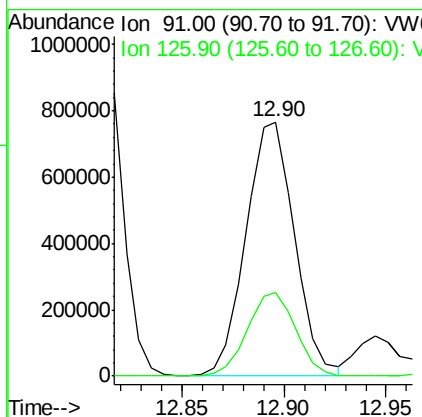
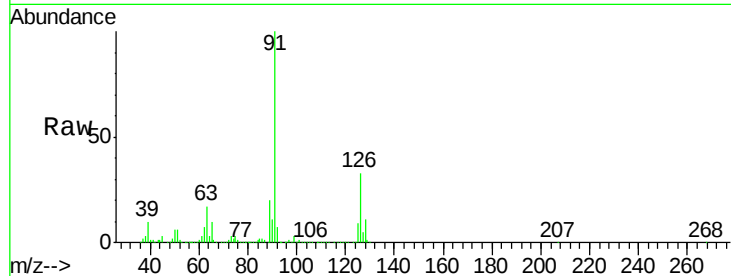
#79
2-Chlorotoluene
Concen: 97.625 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1273505
Ion Ratio Lower Upper
91 100
126 32.7 17.0 51.0

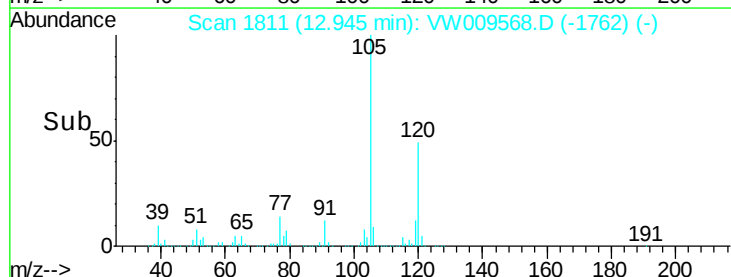
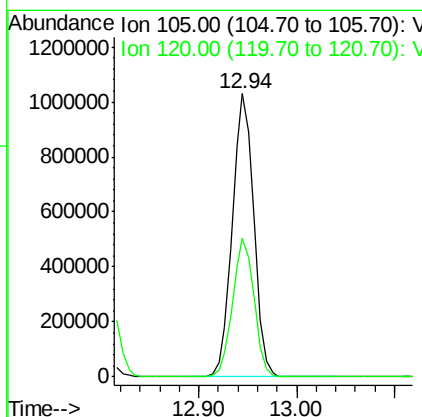
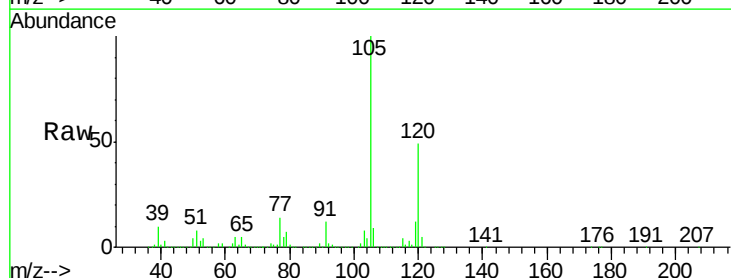
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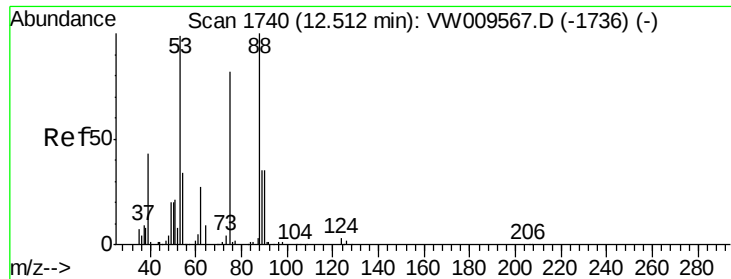
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#80
1,3,5-Trimethylbenzene
Concen: 98.076 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion: 105 Resp: 1564108
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 112.660 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

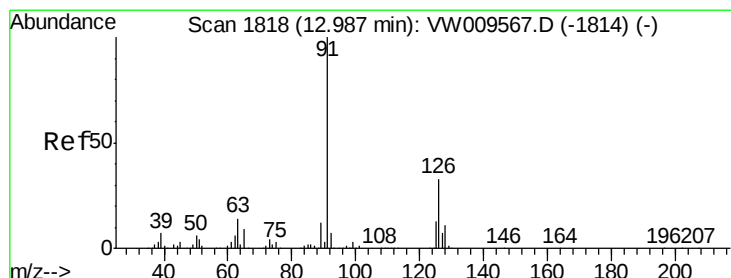
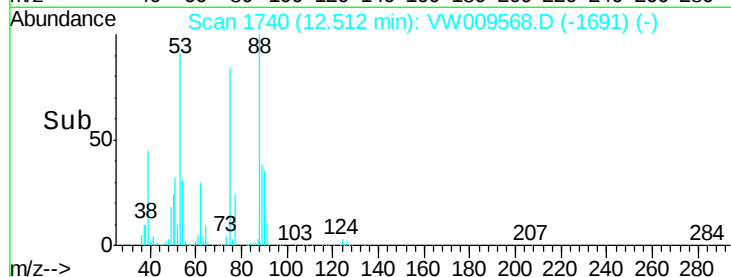
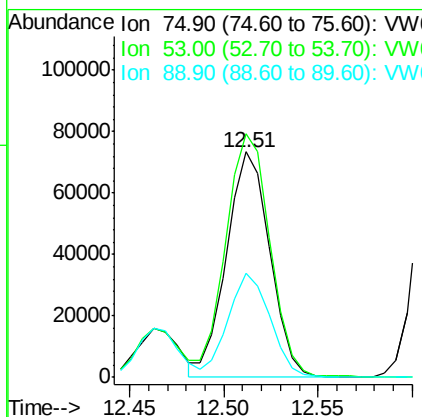
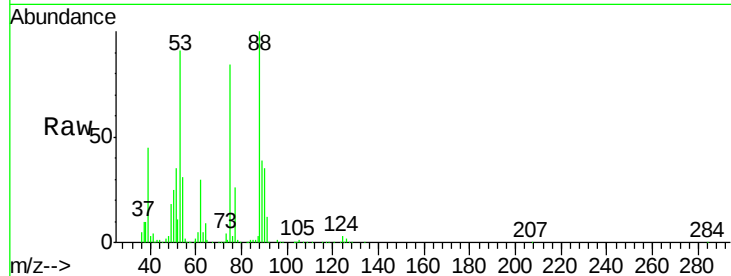
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	116447
Ion	Ratio	Lower	Upper
75	100		
53	109.5	86.7	130.1
89	45.2	36.4	54.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 97.678 ug/l

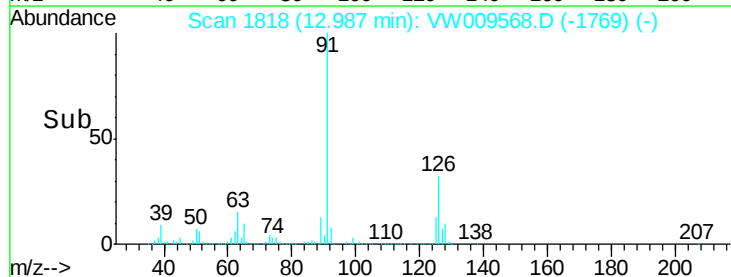
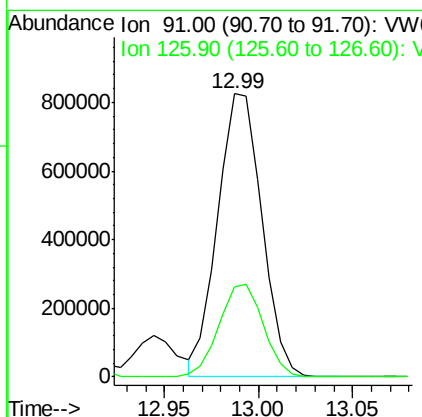
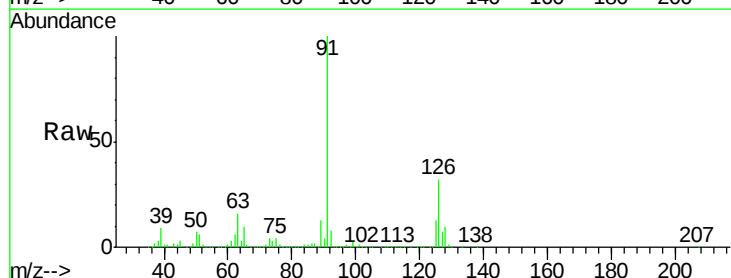
RT: 12.99 min Scan# 1818

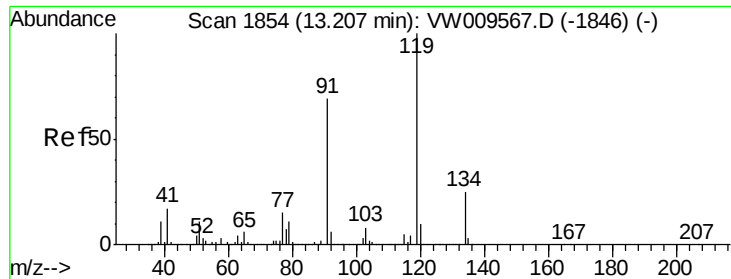
Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	91	Resp:	1341928
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.9	50.6





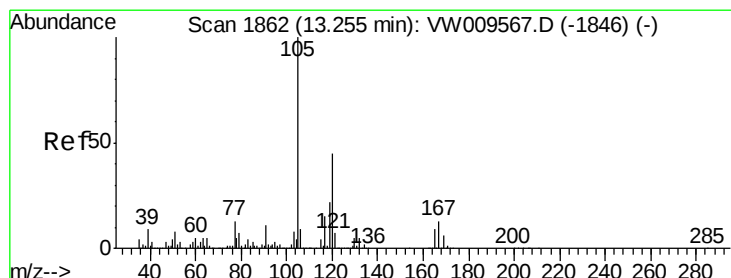
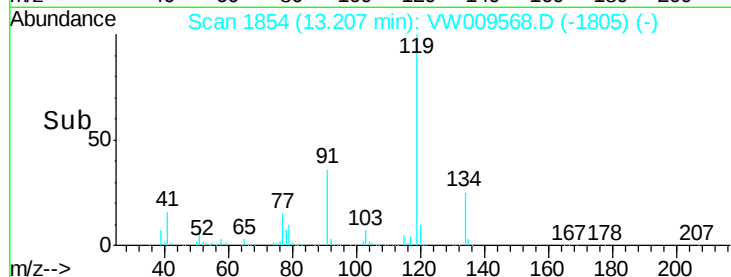
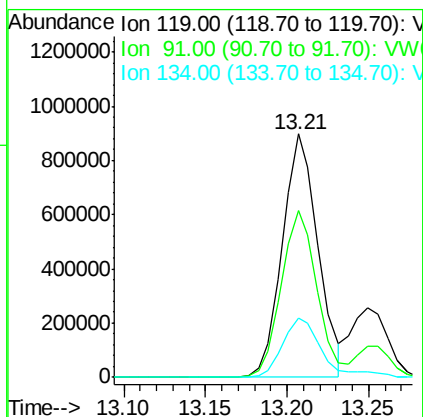
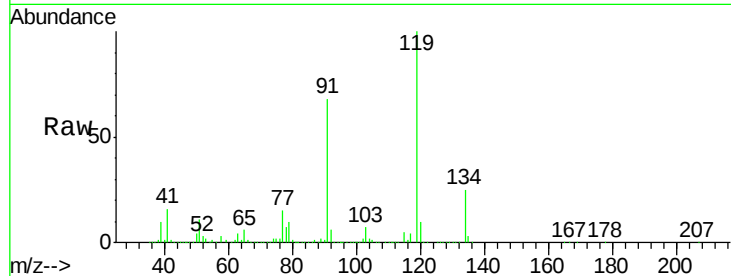
#83
tert-Butylbenzene
Concen: 100.703 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 1366470
Ion Ratio Lower Upper
119 100
91 69.3 34.4 103.2
134 27.1 12.7 38.1

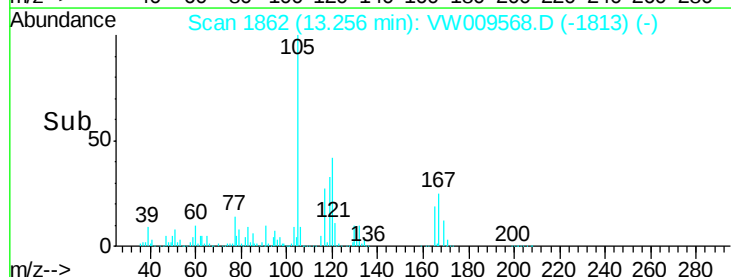
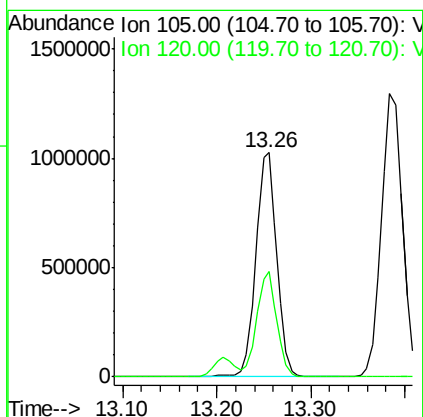
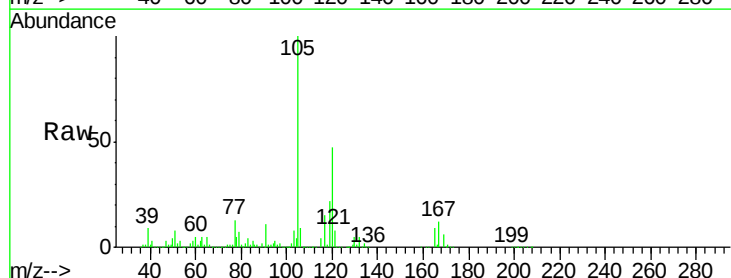
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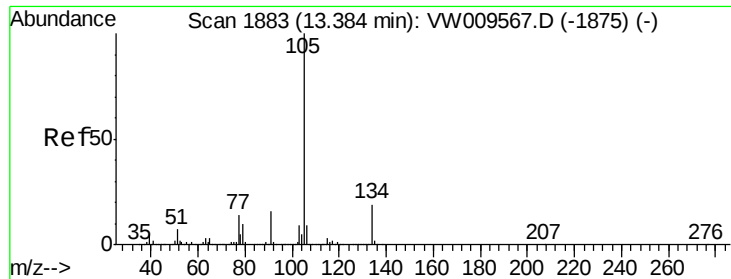
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#84
1,2,4-Trimethylbenzene
Concen: 97.563 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion:105 Resp: 1606624
Ion Ratio Lower Upper
105 100
120 45.0 22.8 68.3





#85

sec-Butylbenzene

Concen: 97.548 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2010266

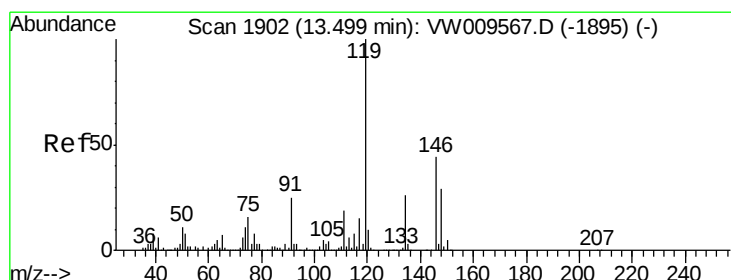
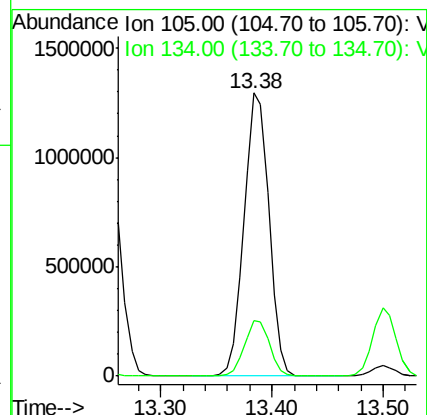
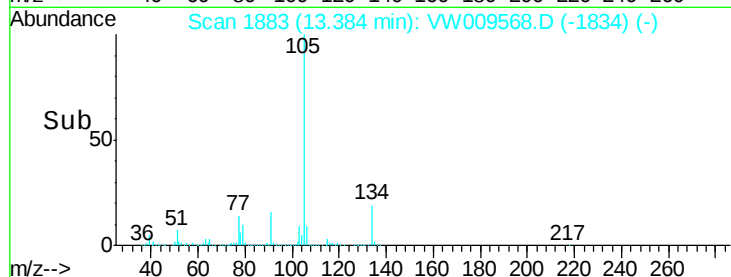
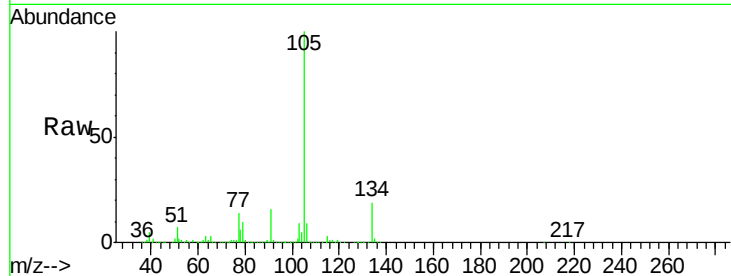
Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 99.082 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

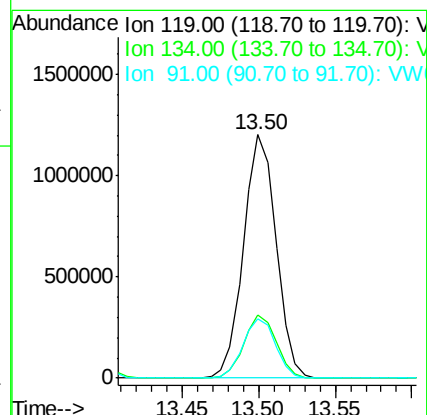
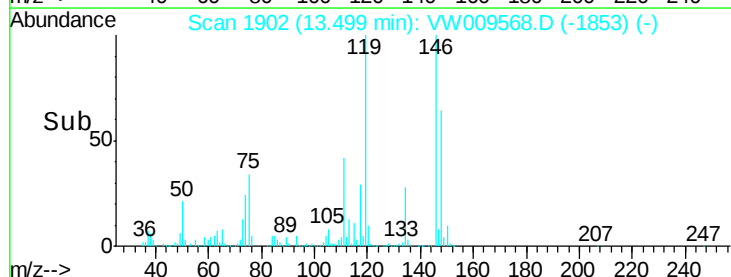
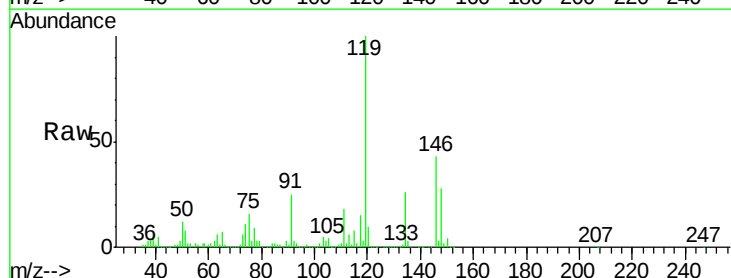
Tgt Ion:119 Resp: 1774727

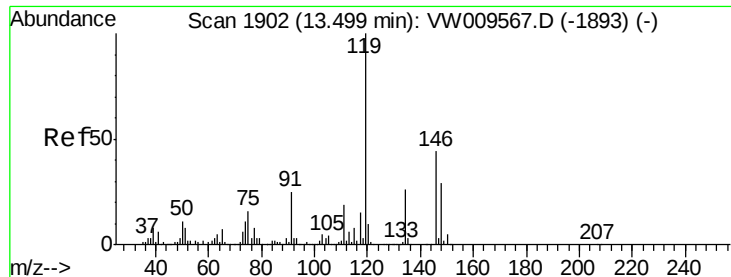
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.5 12.3 36.8





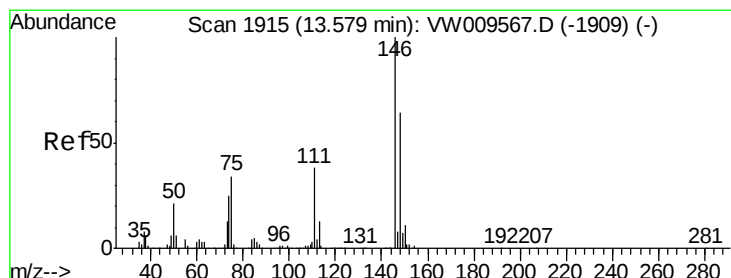
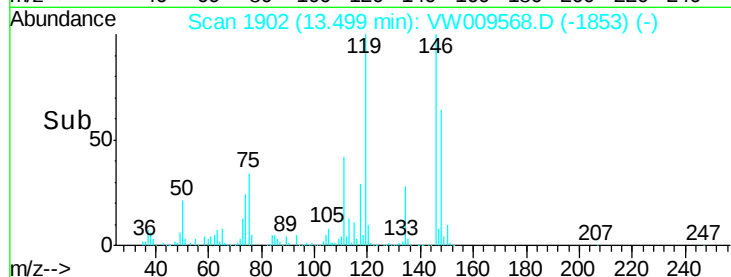
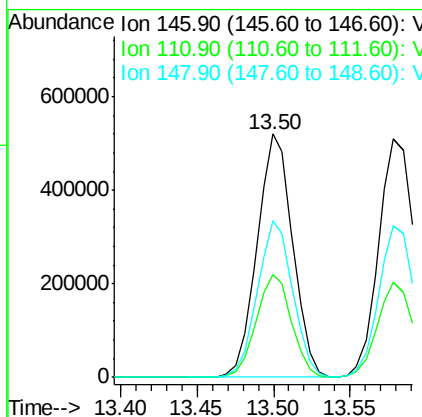
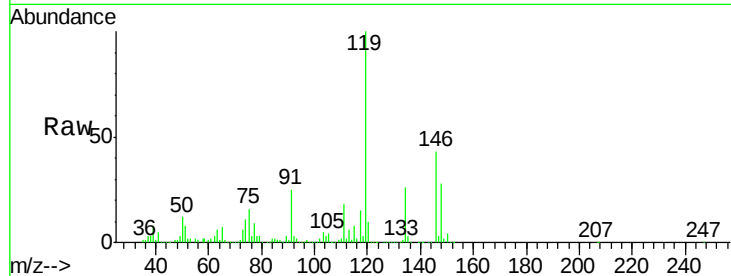
#87
 1,3-Dichlorobenzene
 Concen: 97.224 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.2
148	64.0	31.4	94.3

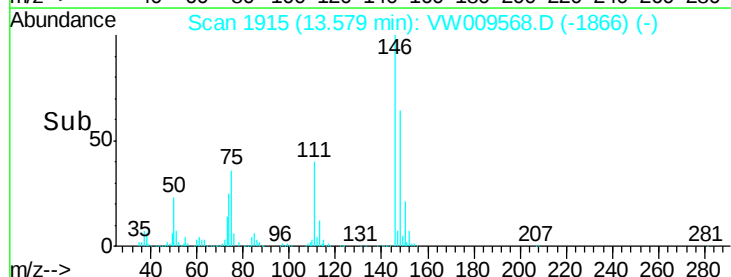
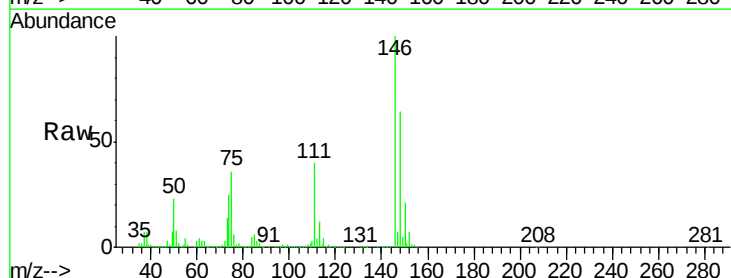
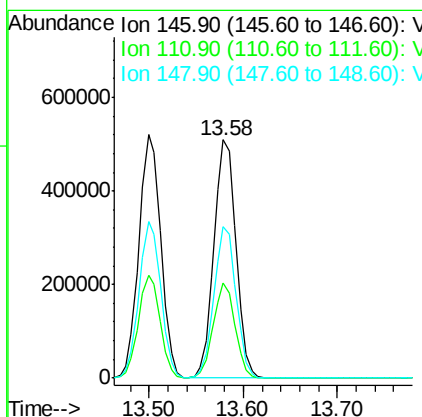
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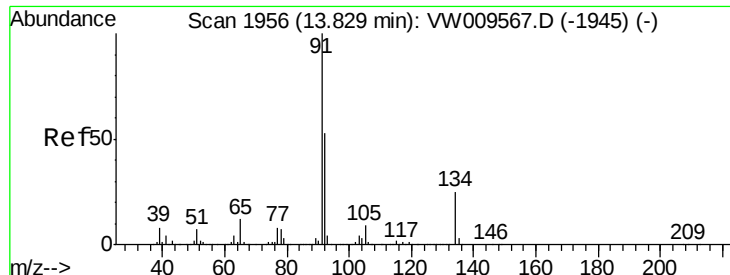
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#88
 1,4-Dichlorobenzene
 Concen: 96.282 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.9	59.6
148	63.5	32.2	96.6





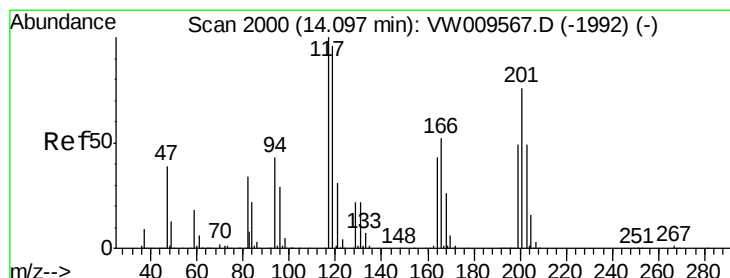
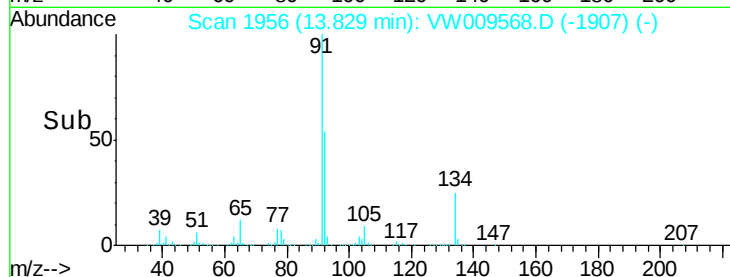
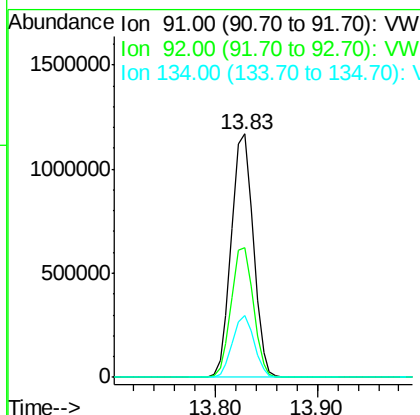
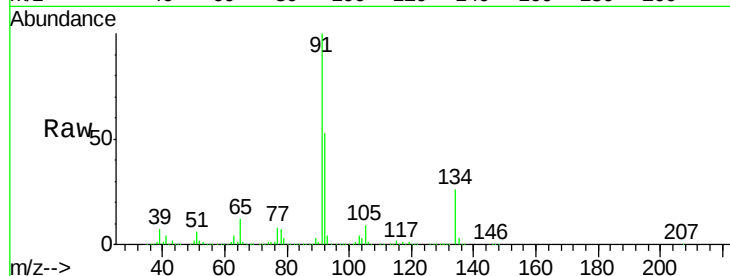
#89
n-Butylbenzene
Concen: 98.243 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.4	79.0
134	25.1	12.9	38.6

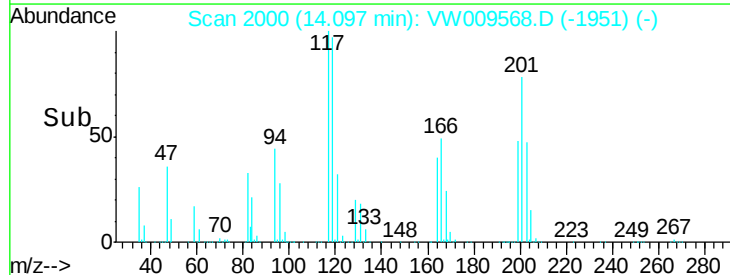
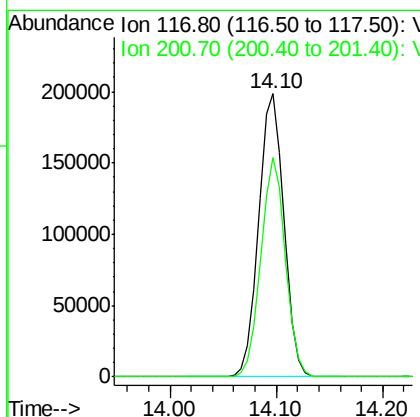
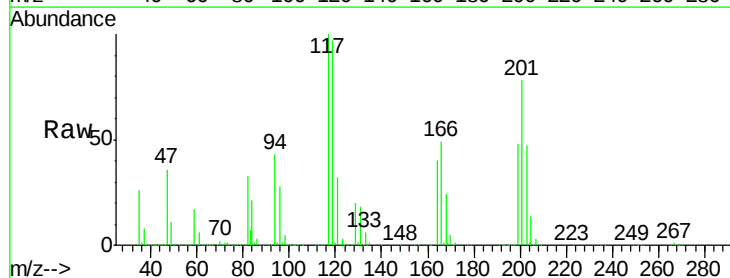
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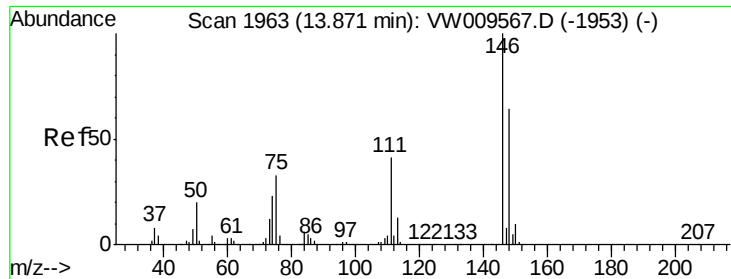
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#90
Hexachloroethane
Concen: 99.572 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009568.D
Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	38.2	114.6





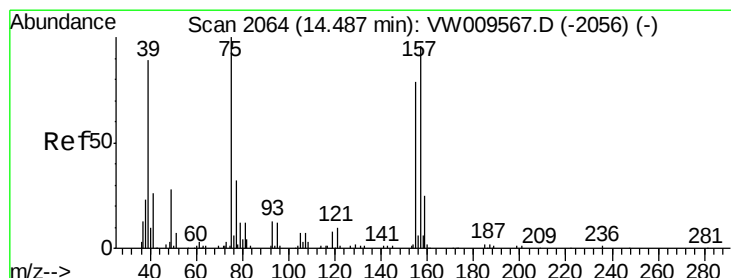
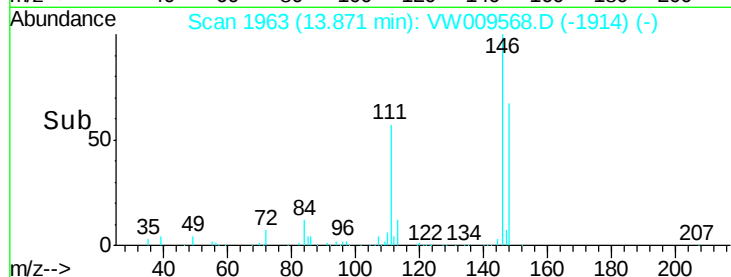
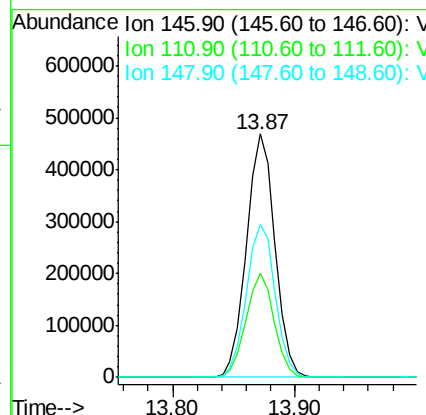
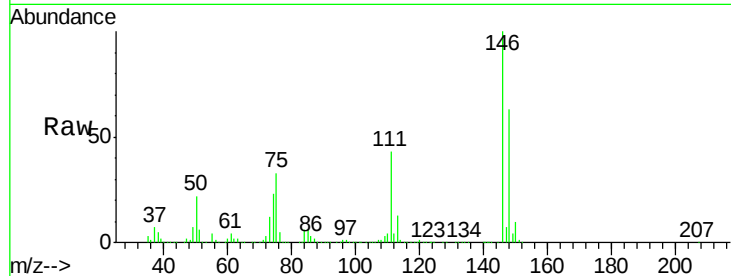
#91
 1,2-Dichlorobenzene
 Concen: 97.143 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.2
148	63.9	31.9	95.9

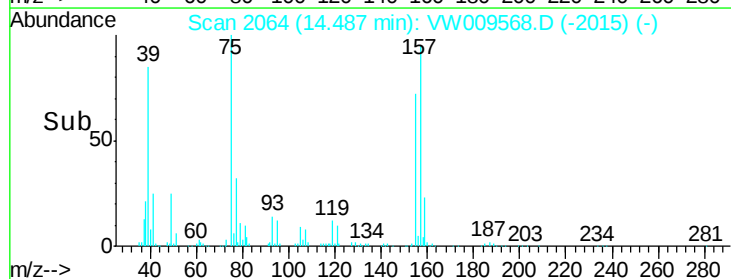
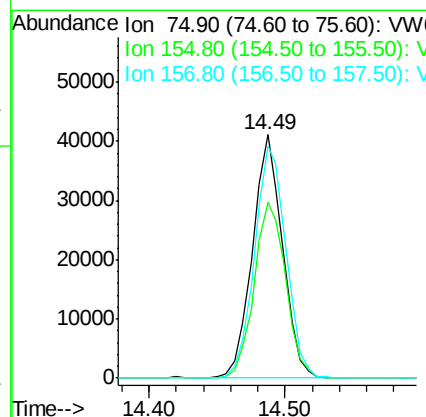
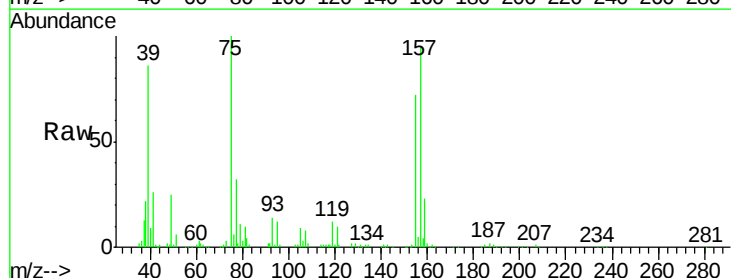
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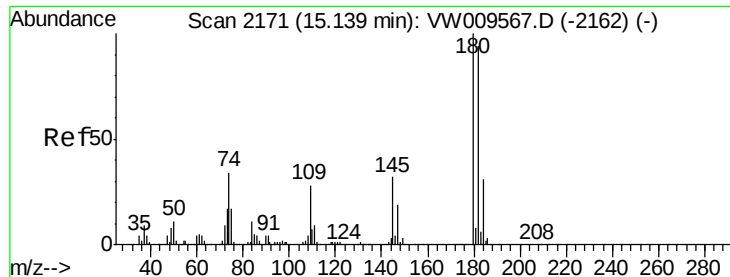
MMDadoda
 4/1/2019 4:04:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 103.830 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009568.D
 Acq: 29 Mar 2019 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.8	39.3	117.8
157	99.9	49.5	148.5





#93

1,2,4-Trichlorobenzene

Concen: 102.894 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

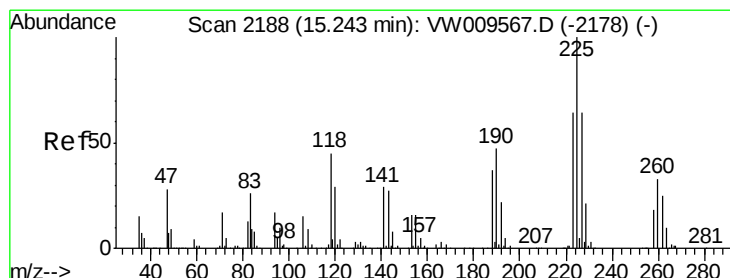
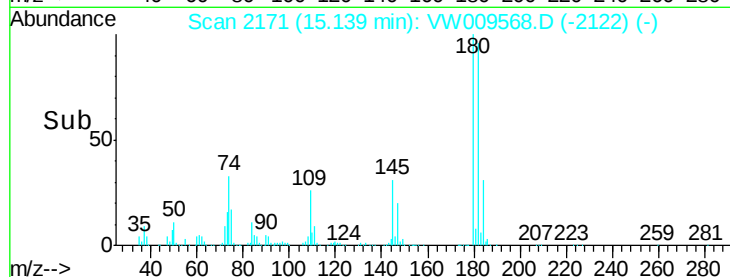
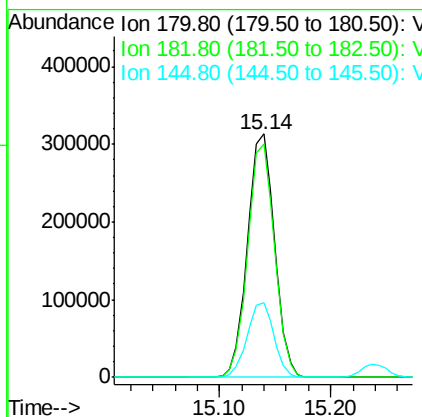
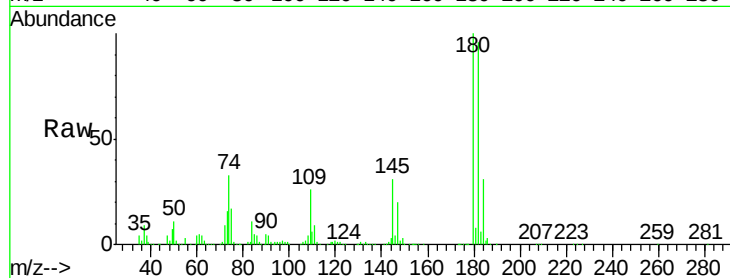
ClientSampleId :

VSTDIC100

Tot Ion:	180	Resp:	530497
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	30.4	15.0	45.0

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:47 AM



#94

Hexachlorobutadiene

Concen: 97.758 ug/l

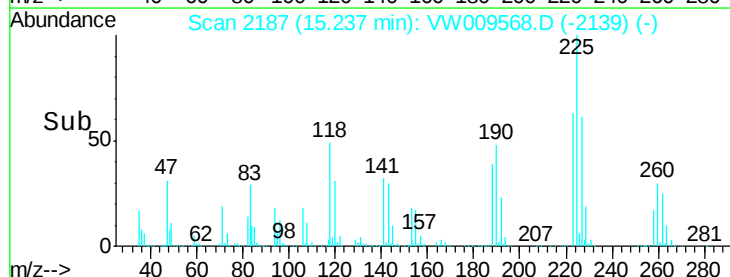
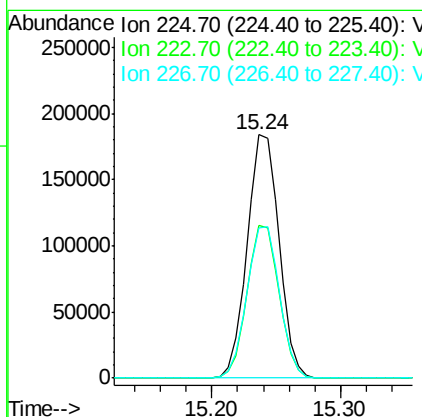
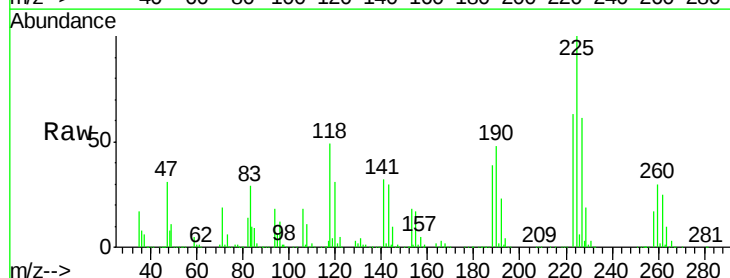
RT: 15.24 min Scan# 2187

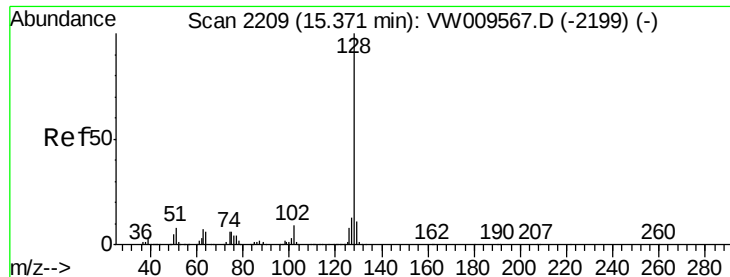
Delta R.T. -0.01 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Tgt Ion:	225	Resp:	313308
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.4	94.3
227	63.6	32.1	96.5





#95

Naphthalene

Concen: 110.506 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1057191

Ion Ratio Lower Upper

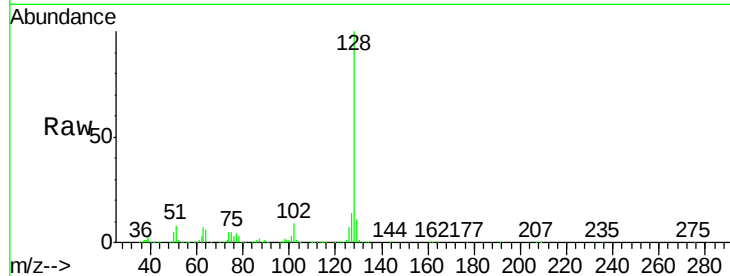
128 100

127 13.6 10.8 16.2

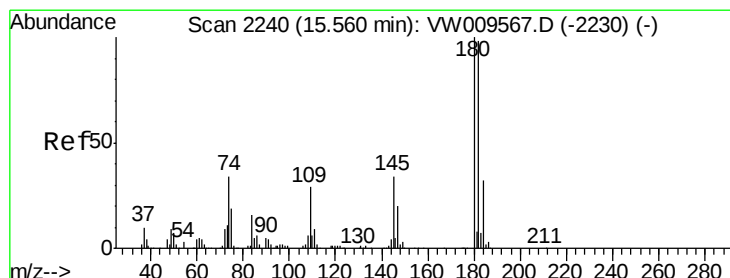
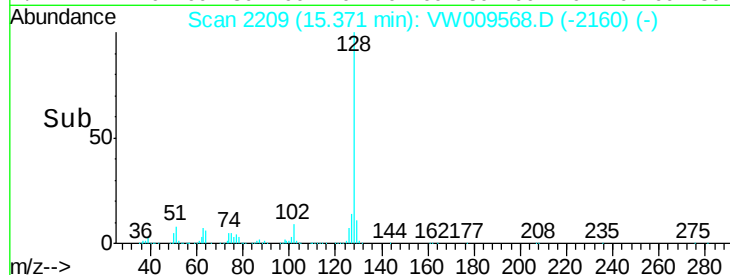
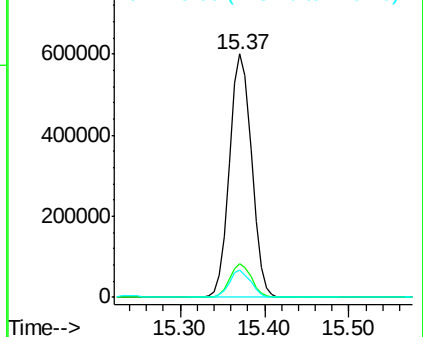
129 10.9 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:04:47 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: 103.681 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009568.D

Acq: 29 Mar 2019 11:43

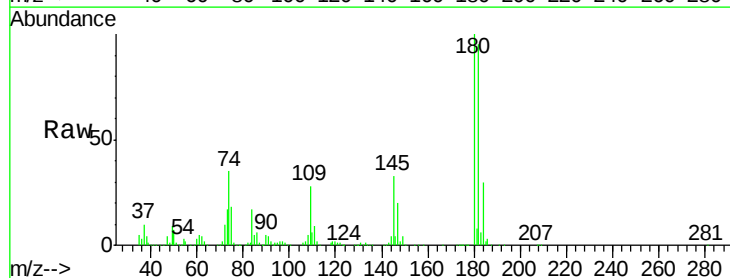
Tgt Ion:180 Resp: 470982

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.9

145 33.0 16.0 48.0



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

