

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032919\
 Data File : VW009574.D
 Acq On : 29 Mar 2019 16:25
 Operator : SY/VA
 Sample : VW0329SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:04:49 AM

Quant Time: Mar 29 17:12:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:17:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424887	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	168936	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
35) Dibromofluoromethane	7.88	113	142534	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
50) Toluene-d8	10.32	98	535454	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.62	95	196525	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	44167	24.891	ug/l 99
3) Chloromethane	2.21	50	51757	22.297	ug/l 98
4) Vinyl Chloride	2.37	62	69045	22.272	ug/l 99
5) Bromomethane	2.77	94	54796	22.910	ug/l 93
6) Chloroethane	2.92	64	50452	21.975	ug/l 98
7) Trichlorofluoromethane	3.25	101	44734	21.119	ug/l 90
8) Diethyl Ether	3.67	74	32976	23.185	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	63717	22.420	ug/l 98
10) Methyl Iodide	4.26	142	85918	22.156	ug/l 97
11) Tert butyl alcohol	5.17	59	21370	116.972	ug/l 97
12) 1,1-Dichloroethene	4.03	96	59278	22.288	ug/l 97
13) Acrolein	3.89	56	13584	101.375	ug/l 93
14) Allyl chloride	4.65	41	86616	20.362	ug/l 96
15) Acrylonitrile	5.36	53	69017	106.160	ug/l 96
16) Acetone	4.12	43	84613	119.435	ug/l 97
17) Carbon Disulfide	4.37	76	167045	22.074	ug/l 98
18) Methyl Acetate	4.67	43	34371	20.071	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	80833	21.853	ug/l 94
20) Methylene Chloride	4.92	84	77596	26.062	ug/l 92
21) trans-1,2-Dichloroethene	5.41	96	62702	22.205	ug/l 94
22) Diisopropyl ether	6.31	45	203338	22.134	ug/l 98
23) Vinyl Acetate	6.25	43	653198	113.974	ug/l 99
24) 1,1-Dichloroethane	6.21	63	121600	21.992	ug/l 97
25) 2-Butanone	7.17	43	111342	113.732	ug/l 100
26) 2,2-Dichloropropane	7.16	77	70230	22.215	ug/l 98
27) cis-1,2-Dichloroethene	7.16	96	69755	22.619	ug/l 96
28) Bromochloromethane	7.51	49	52309	21.832	ug/l 96
29) Tetrahydrofuran	7.52	42	69836	114.883	ug/l 99
30) Chloroform	7.67	83	128100	22.368	ug/l 98
31) Cyclohexane	7.95	56	111385	21.487	ug/l 94
32) 1,1,1-Trichloroethane	7.87	97	100670	21.714	ug/l 98
36) 1,1-Dichloropropene	8.08	75	99392	22.616	ug/l 99
37) Ethyl Acetate	7.24	43	50613	24.241	ug/l 100
38) Carbon Tetrachloride	8.06	117	99754	22.152	ug/l 97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:17:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	109204	21.754	ug/l	95
40) Benzene	8.32	78	266899	22.422	ug/l	96
41) Methacrylonitrile	7.48	41	28181	23.022	ug/l	92
42) 1,2-Dichloroethane	8.40	62	90932	22.407	ug/l	100
43) Isopropyl Acetate	8.42	43	92151	22.520	ug/l	99
44) Trichloroethene	9.09	130	68469	22.218	ug/l	95
45) 1,2-Dichloropropane	9.37	63	67186	22.051	ug/l	99
46) Dibromomethane	9.46	93	38997	23.626	ug/l	94
47) Bromodichloromethane	9.64	83	93714	22.258	ug/l	95
48) Methyl methacrylate	9.43	41	42761	22.293	ug/l	99
49) 1,4-Dioxane	9.45	88	11271	458.537	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	249628	114.022	ug/l	100
52) Toluene	10.38	92	169759	22.772	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	89692	21.756	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	103887	22.727	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	50283	22.538	ug/l	94
56) Ethyl methacrylate	10.65	69	61254	22.115	ug/l	96
57) 1,3-Dichloropropane	10.93	76	89480	22.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	152473	112.452	ug/l	99
59) 2-Hexanone	10.97	43	179922	118.749	ug/l	97
60) Dibromochloromethane	11.13	129	60692	22.529	ug/l	100
61) 1,2-Dibromoethane	11.23	107	47739	22.313	ug/l	100
64) Tetrachloroethene	10.86	164	58182	21.797	ug/l	91
65) Chlorobenzene	11.66	112	183493	22.161	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	66855	22.160	ug/l	98
67) Ethyl Benzene	11.73	91	326740	22.398	ug/l	99
68) m/p-Xylenes	11.84	106	249738	45.086	ug/l	98
69) o-Xylene	12.16	106	114471	22.191	ug/l	99
70) Styrene	12.18	104	194633	22.589	ug/l	100
71) Bromoform	12.35	173	36959	22.764	ug/l #	98
73) Isopropylbenzene	12.46	105	330376	21.725	ug/l	99
74) N-amyl acetate	12.27	43	90157	22.489	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	65153	22.655	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	43953m	11.354	ug/l	
77) Bromobenzene	12.75	156	75703	21.617	ug/l	97
78) n-propylbenzene	12.80	91	416154	22.192	ug/l	100
79) 2-Chlorotoluene	12.89	91	233754	21.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	283944	22.171	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	18405	20.828	ug/l	90
82) 4-Chlorotoluene	12.99	91	247106	22.033	ug/l	99
83) tert-Butylbenzene	13.21	119	240726	22.081	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	293250	22.274	ug/l	99
85) sec-Butylbenzene	13.38	105	361429	21.975	ug/l	99
86) p-Isopropyltoluene	13.50	119	318385	22.256	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	158511	21.922	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	156630	21.687	ug/l	98
89) n-Butylbenzene	13.83	91	314065	22.242	ug/l	99
90) Hexachloroethane	14.10	117	59929	21.876	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146743	22.695	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12301	23.430	ug/l	94

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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:17:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	97410	23.393	ug/l	99
94) Hexachlorobutadiene	15.24	225	61167	22.873	ug/l	99
95) Naphthalene	15.37	128	170815	21.807	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	85694	23.034	ug/l	100

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

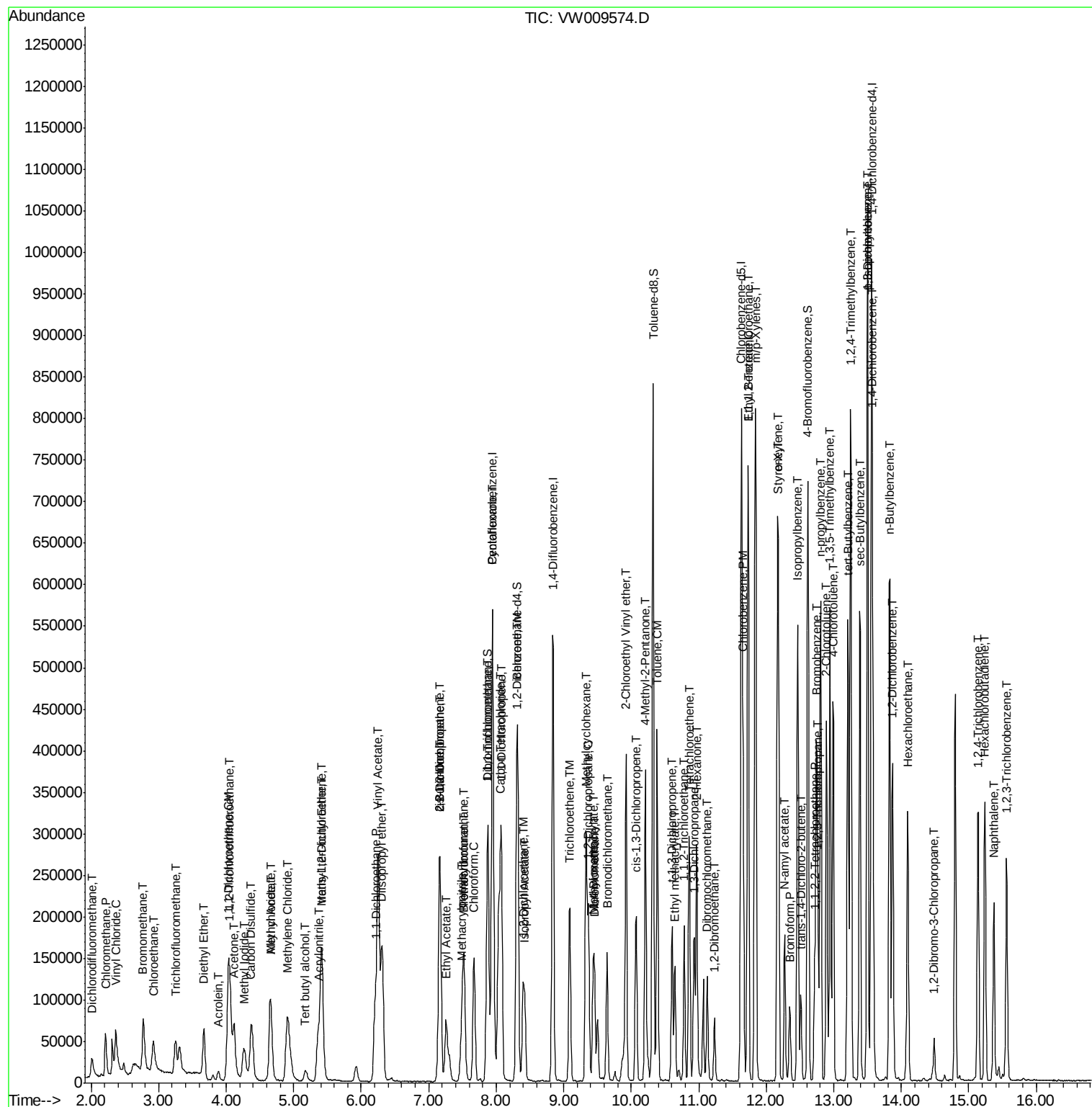
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032919\
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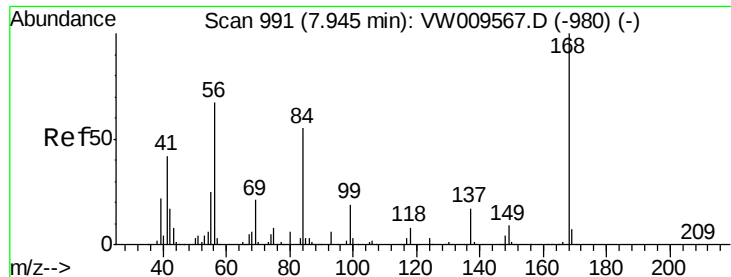
Instrument :
MSVOA_W
Client Sampled :
VW0329SBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:17:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion:168 Resp: 275544

Ion Ratio Lower Upper

168 100

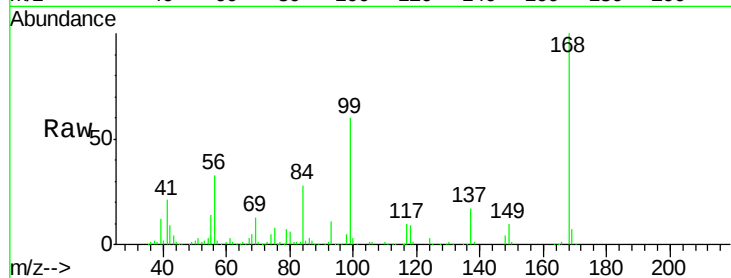
99 59.8 45.4 68.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

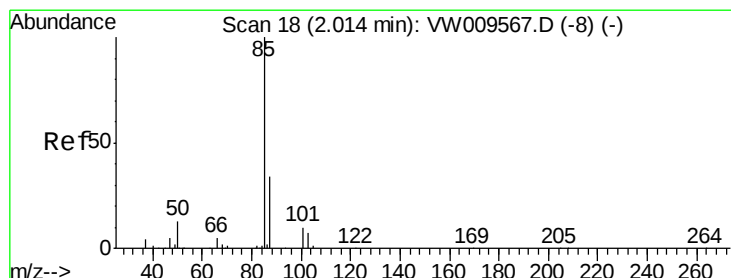
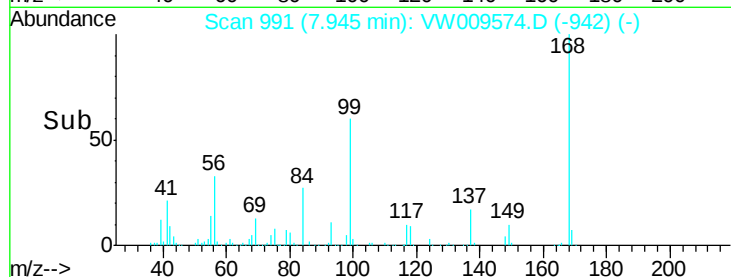
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 24.891 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009574.D

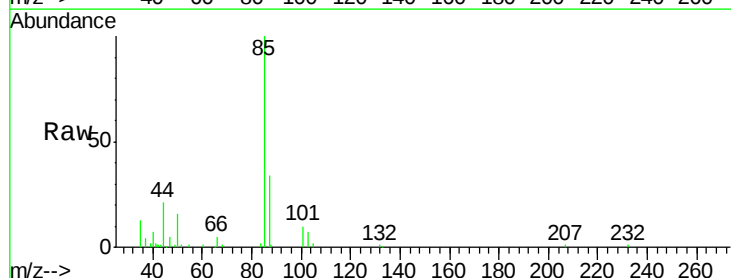
Acq: 29 Mar 2019 16:25

Tgt Ion: 85 Resp: 44167

Ion Ratio Lower Upper

85 100

87 33.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

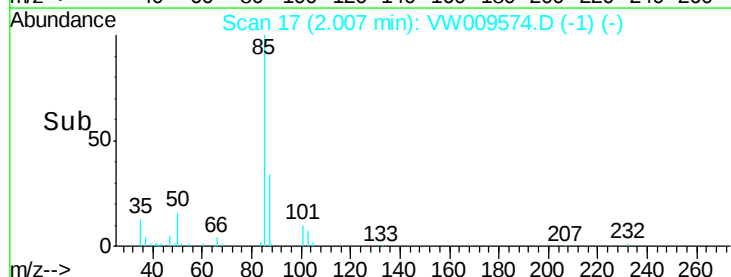
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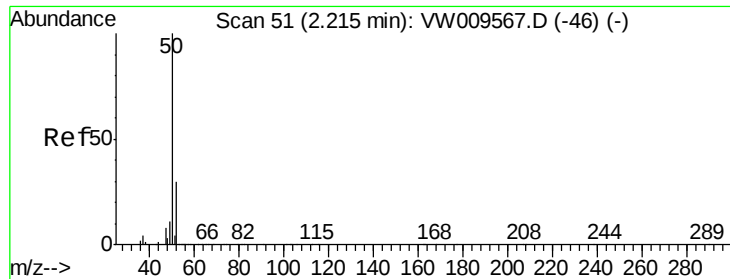
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 22.297 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 50 Resp: 51757

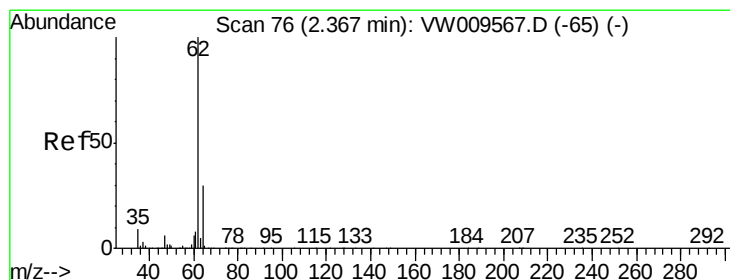
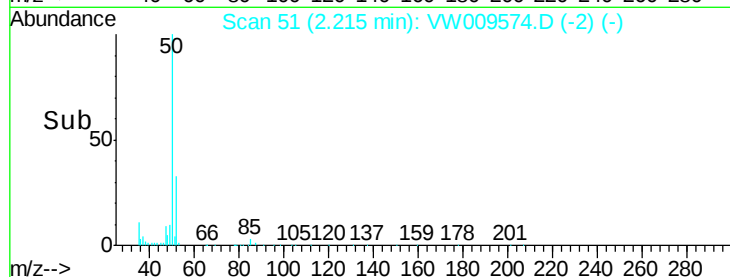
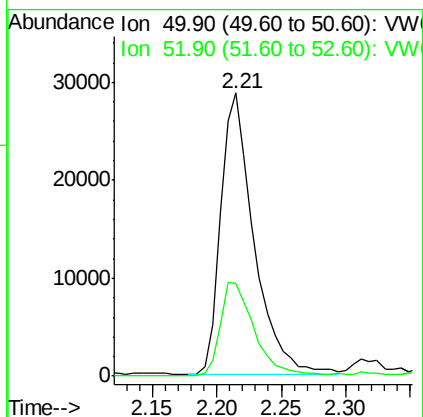
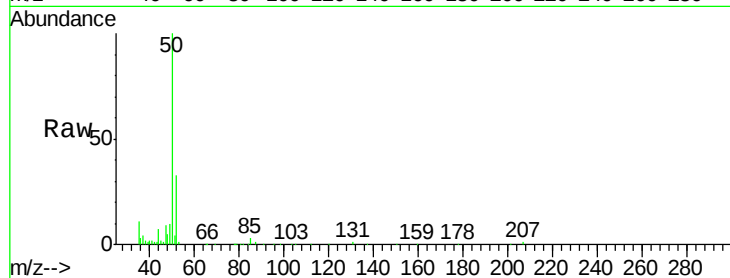
Ion Ratio Lower Upper

50 100

52 33.0 27.2 40.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.272 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009574.D

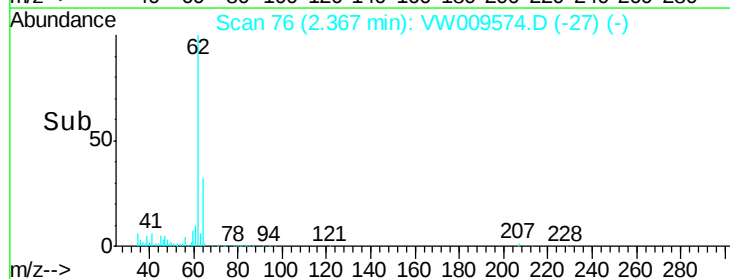
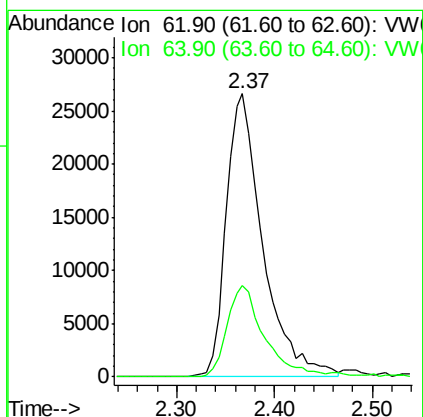
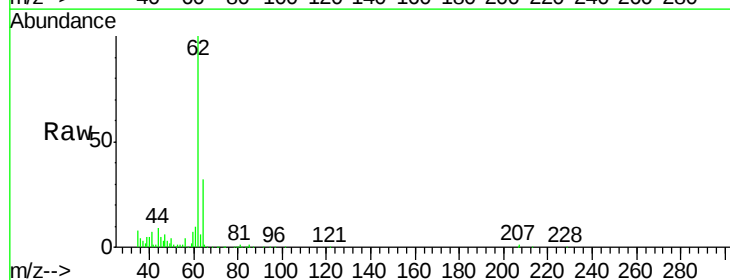
Acq: 29 Mar 2019 16:25

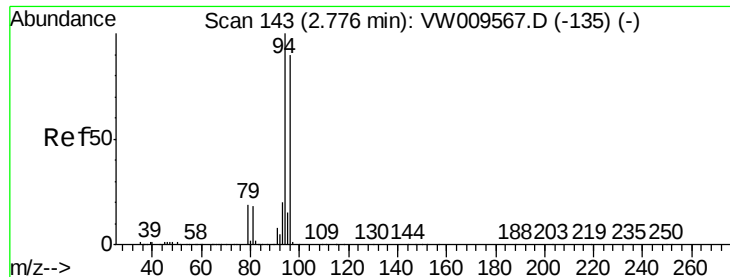
Tgt Ion: 62 Resp: 69045

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 22.910 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 94 Resp: 54796

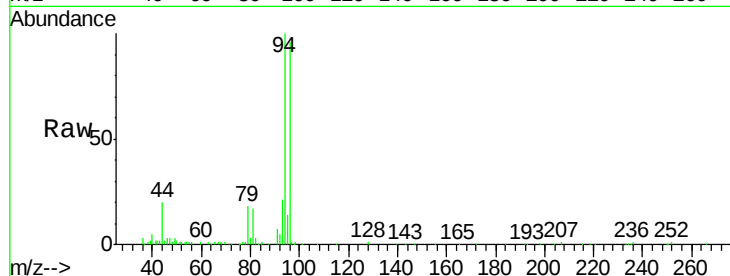
Ion Ratio Lower Upper

94 100

96 95.4 71.4 107.2

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

25000

20000

15000

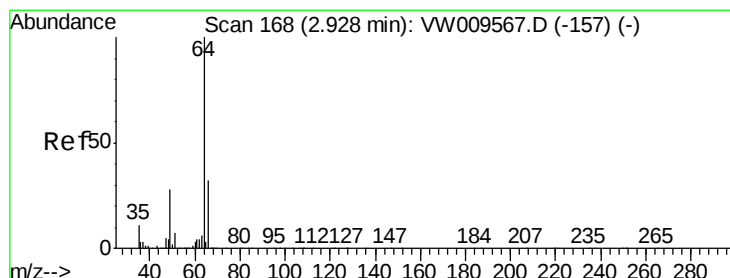
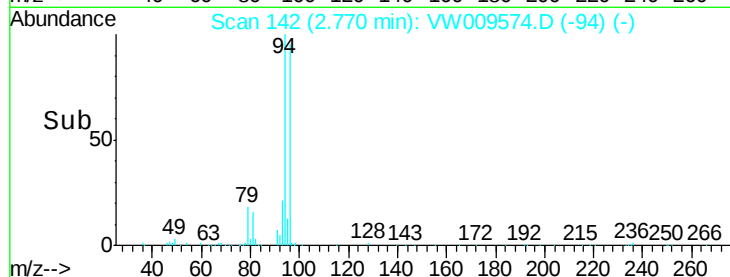
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.975 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009574.D

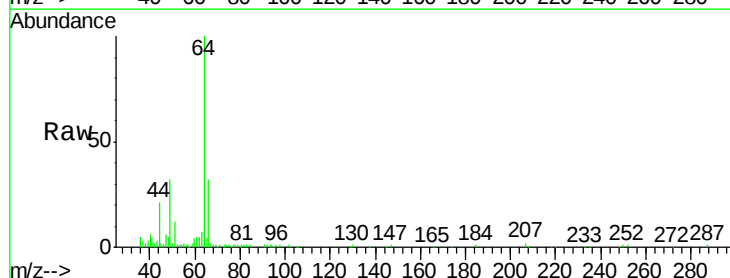
Acq: 29 Mar 2019 16:25

Tgt Ion: 64 Resp: 50452

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

15000

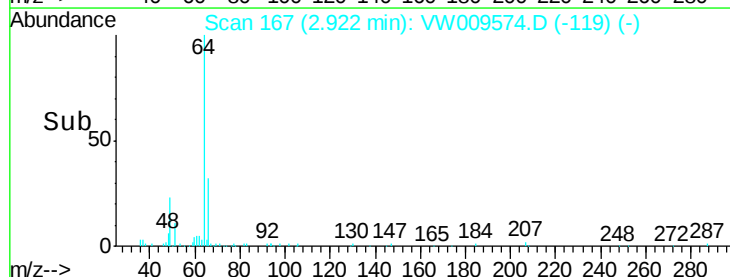
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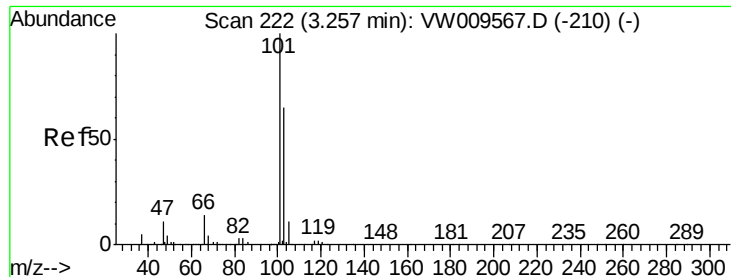
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Time-->

2.80 2.90 3.00





#7

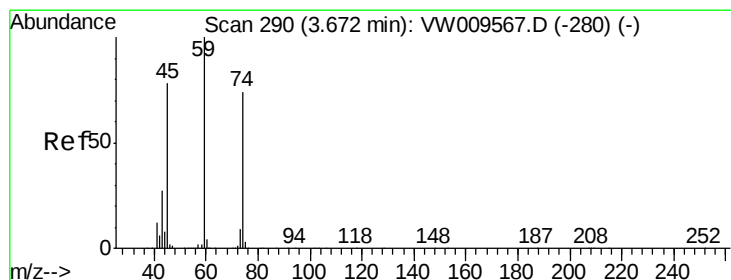
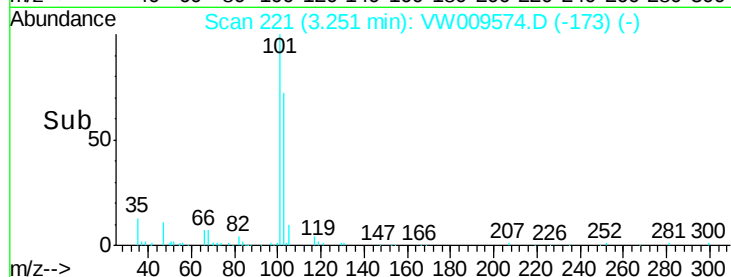
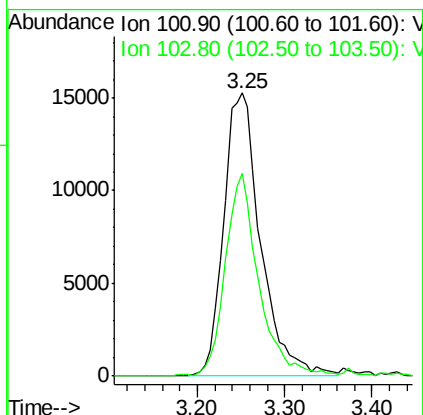
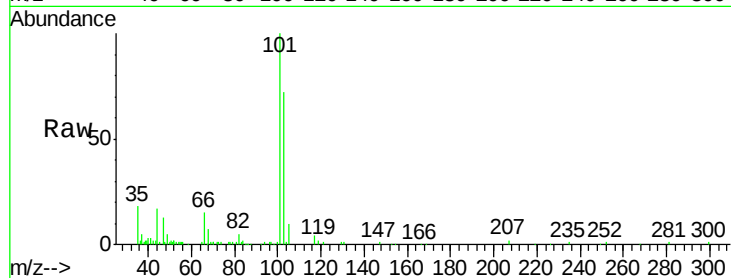
Trichlorofluoromethane
Concen: 21.119 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.9	50.5	75.7

Manual Integrations
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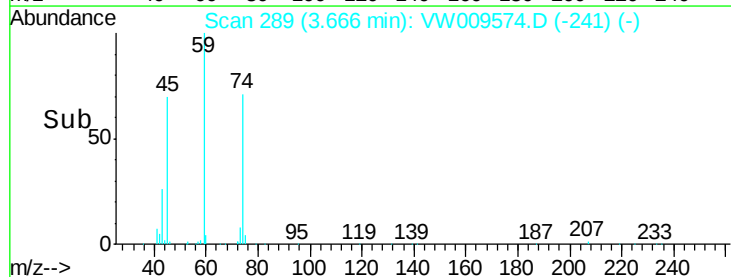
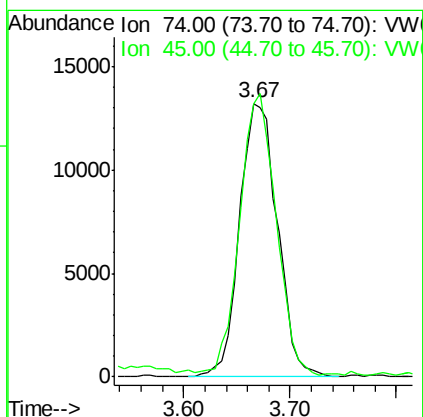
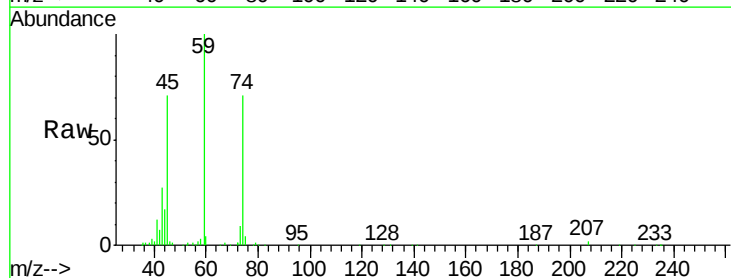
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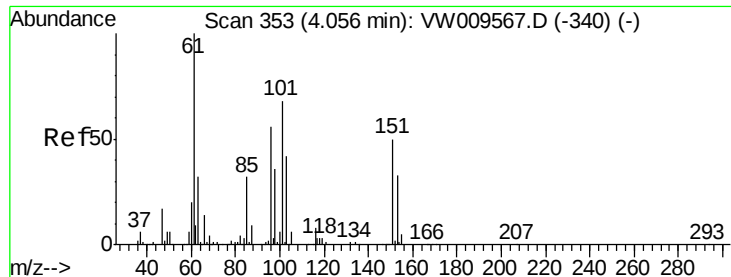


#8

Diethyl Ether
Concen: 23.185 ug/l
RT: 3.67 min Scan# 289
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.420 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

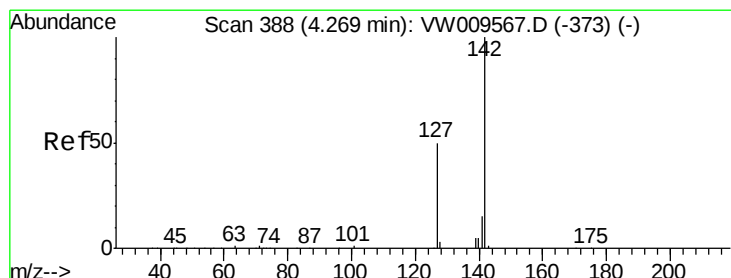
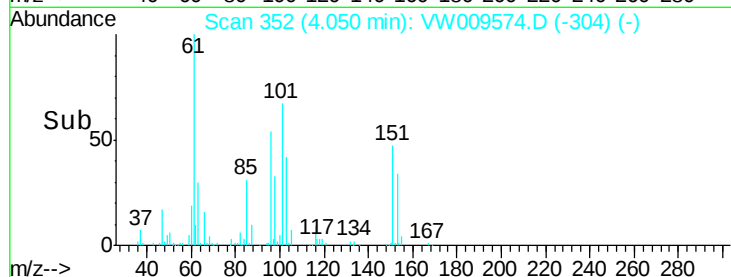
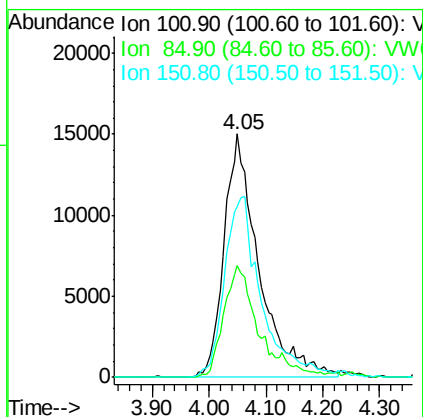
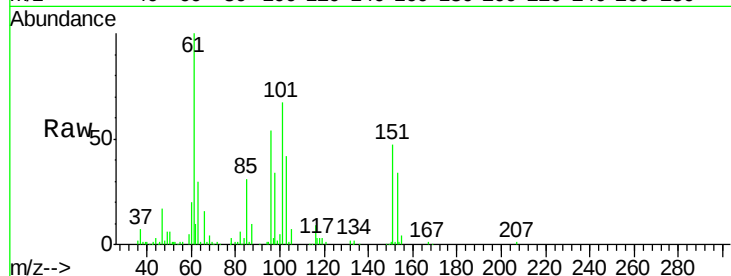
ClientSampleId :

VW0329SBS01

Tot Ion:	101	Resp:	63717
Ion Ratio	Lower	Upper	
101	100		
85	46.6	35.1	52.7
151	78.4	62.9	94.3

Manual Integrations
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4/1/2019 4:04:49 AM



#10

Methyl Iodide

Concen: 22.156 ug/l

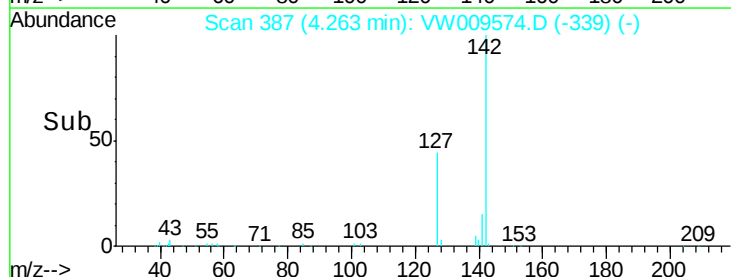
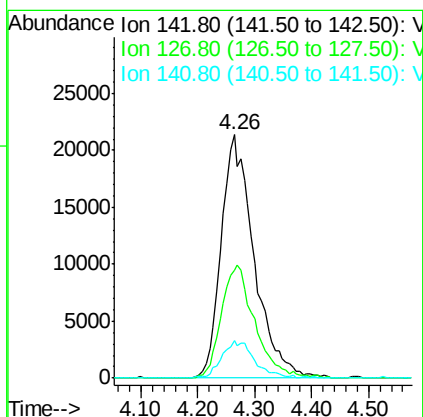
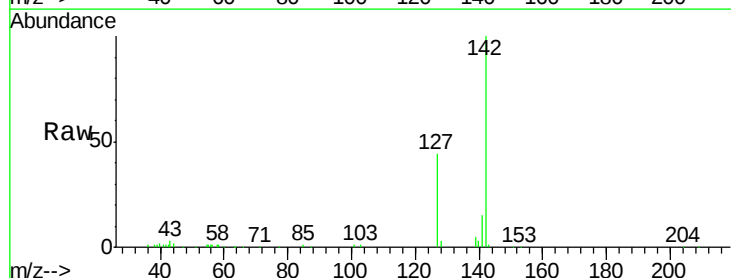
RT: 4.26 min Scan# 387

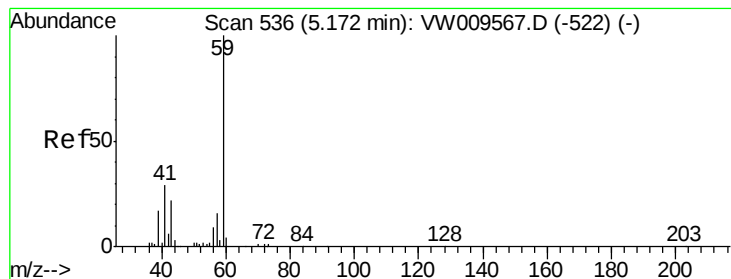
Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	142	Resp:	85918
Ion Ratio	Lower	Upper	
142	100		
127	47.2	35.9	53.9
141	15.3	11.4	17.2





#11

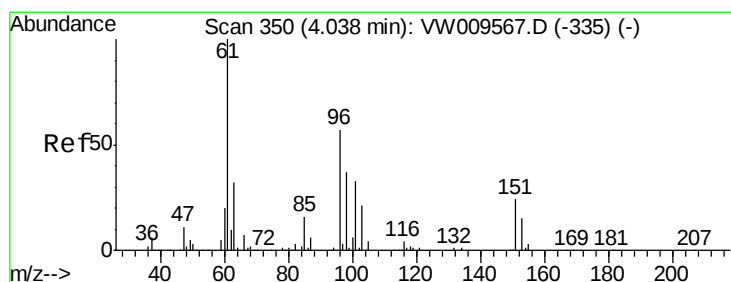
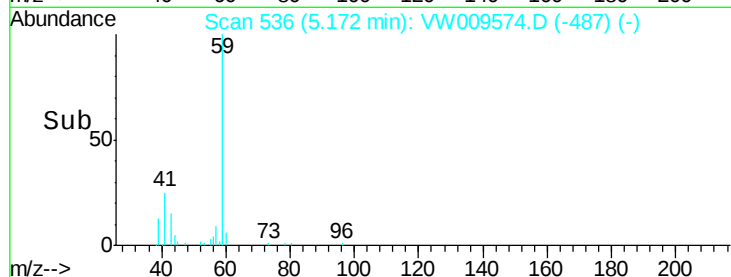
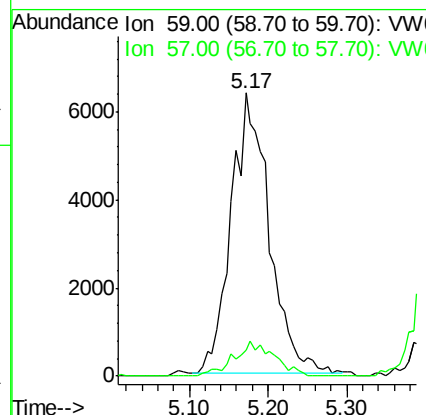
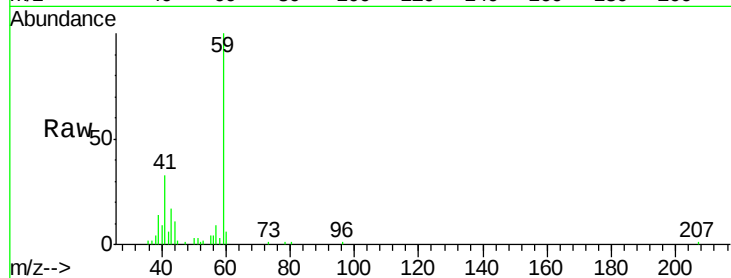
Tert butyl alcohol
 Concen: 116.972 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.0	9.4	14.0

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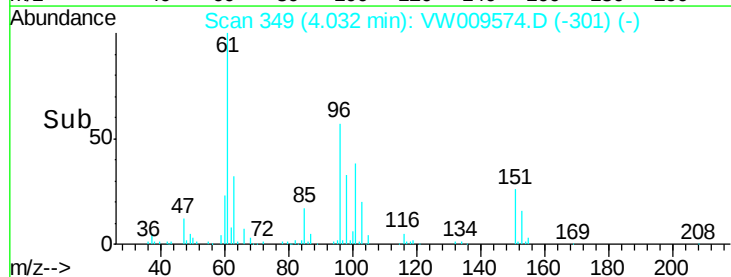
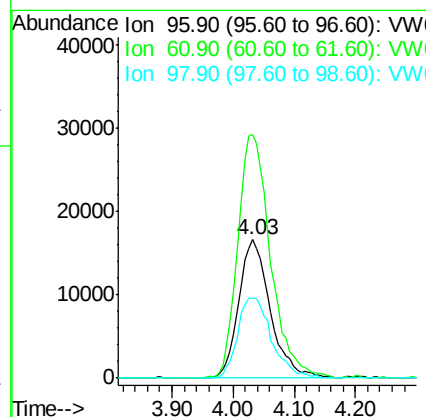
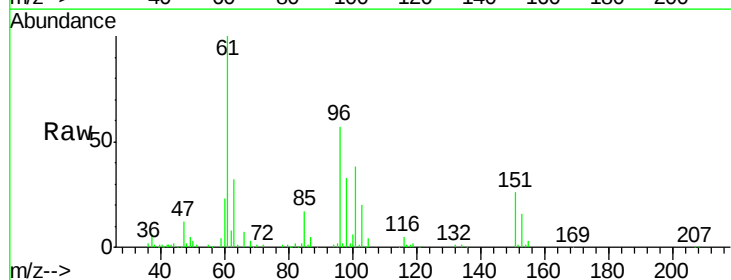
MMDadoda
 4/1/2019 4:04:49 AM

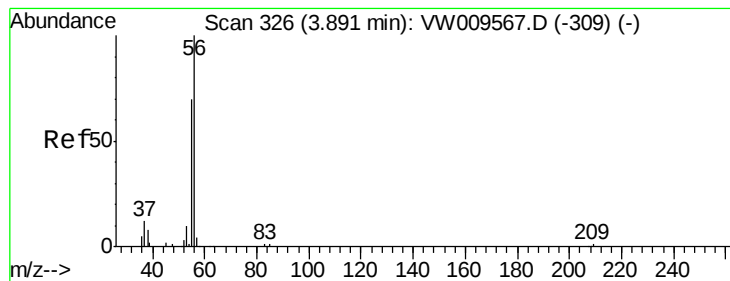


#12

1,1-Dichloroethene
 Concen: 22.288 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.0	138.0	207.0
98	57.6	49.8	74.8





#13

Acrolein

Concen: 101.375 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 56 Resp: 13584

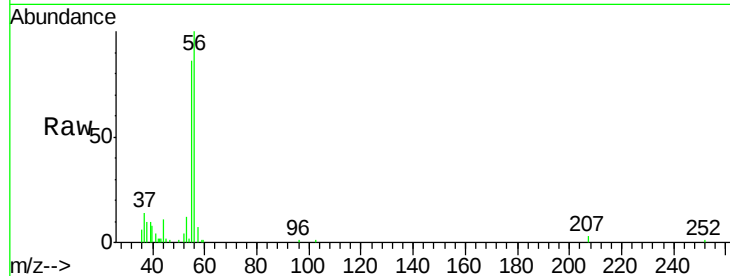
Ion Ratio Lower Upper

56 100

55 74.4 55.2 82.8

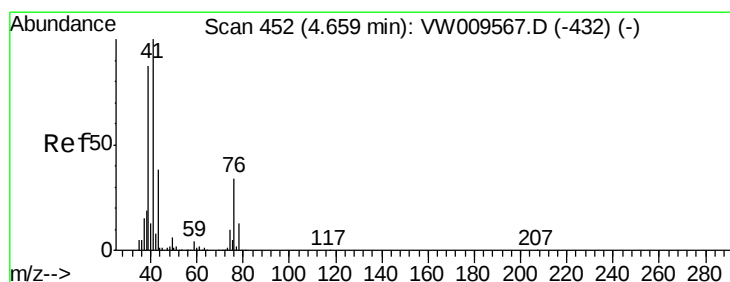
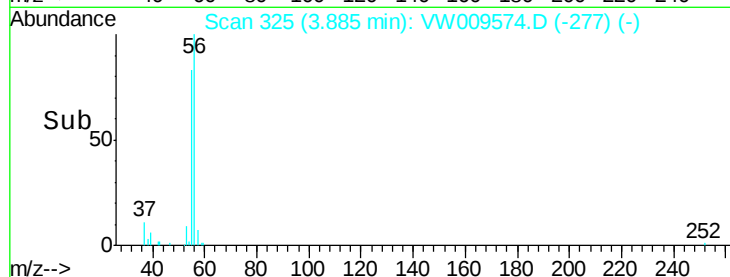
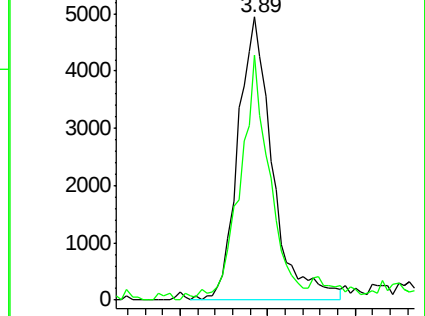
Manual Integrations
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4/1/2019 4:04:49 AM



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.362 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

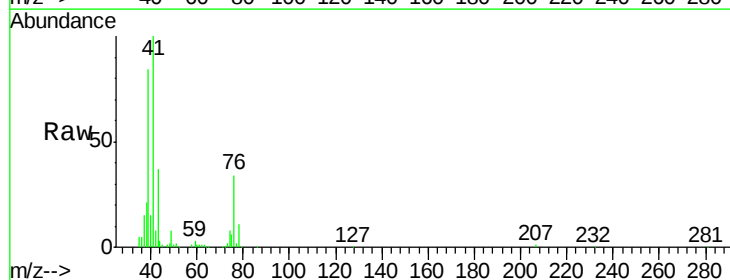
Tgt Ion: 41 Resp: 86616

Ion Ratio Lower Upper

41 100

39 84.2 63.8 95.6

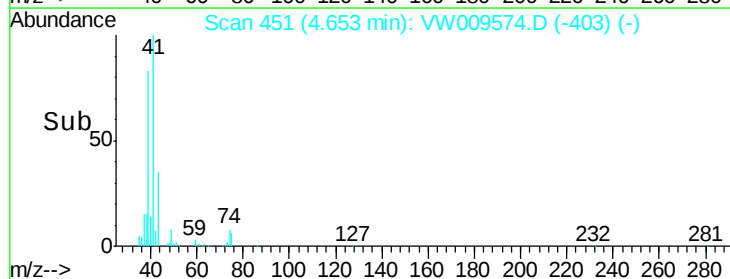
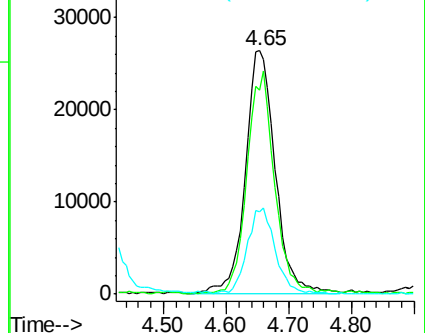
76 34.0 27.8 41.6

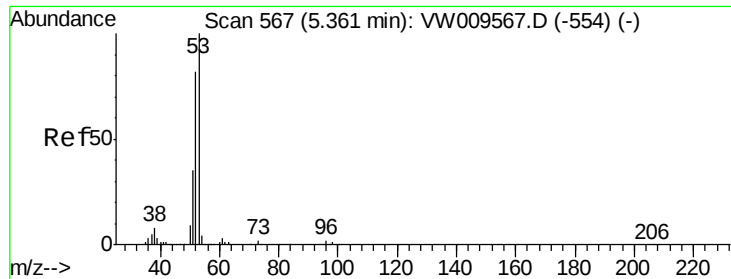


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 106.160 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

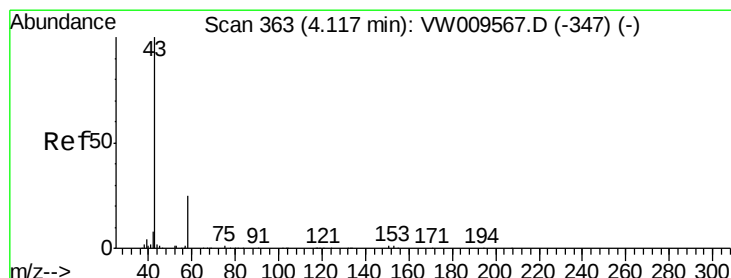
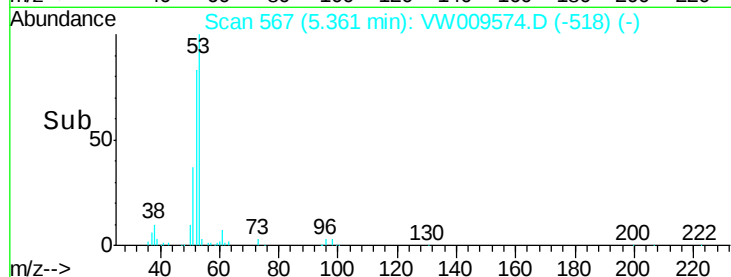
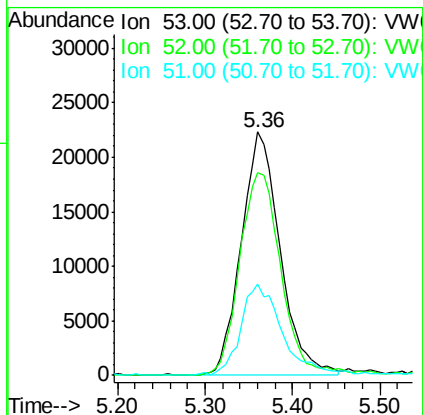
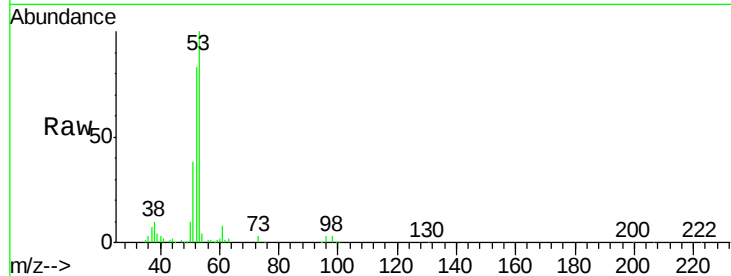
ClientSampleId :

VW0329SBS01

Tot Ion:	53	Resp:	69017
Ion	Ratio	Lower	Upper
53	100		
52	88.4	67.6	101.4
51	39.6	30.6	45.8

Manual Integrations
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4/1/2019 4:04:49 AM



#16

Acetone

Concen: 119.435 ug/l

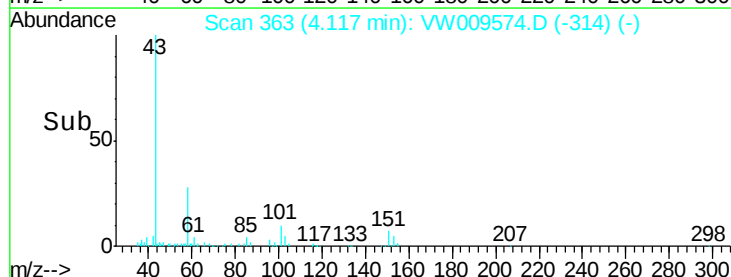
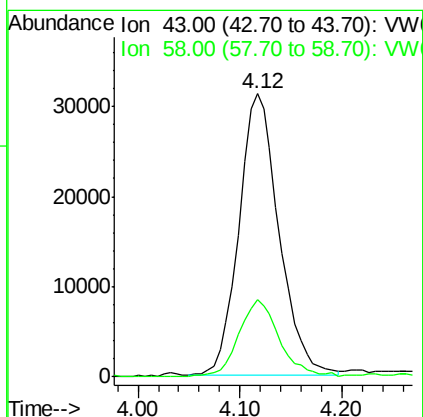
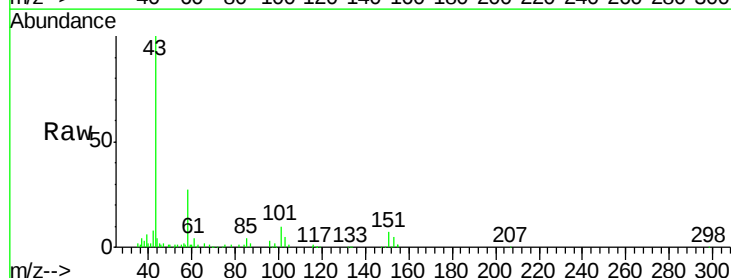
RT: 4.12 min Scan# 363

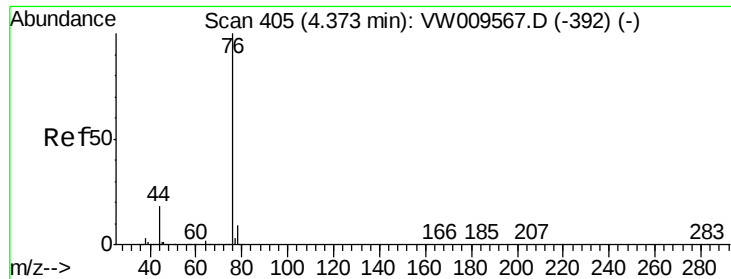
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	43	Resp:	84613
Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.6	35.4





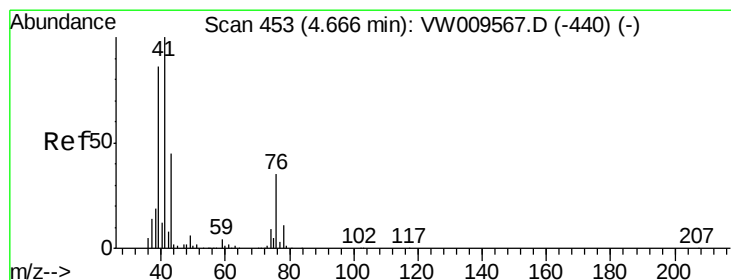
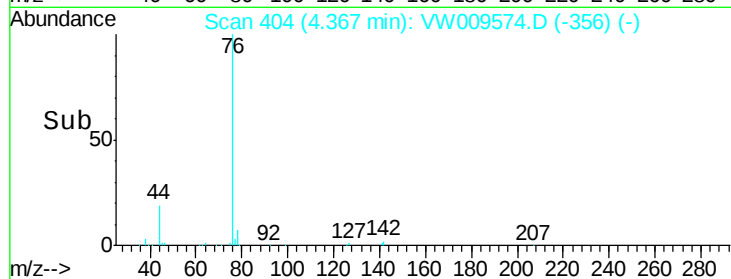
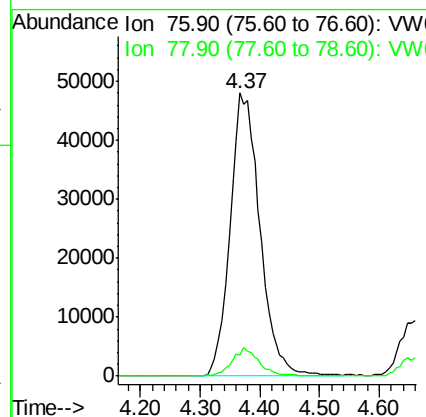
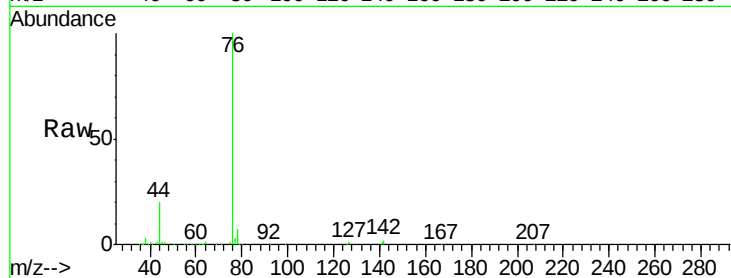
#17
Carbon Disulfide
Concen: 22.074 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.5	6.6	9.8

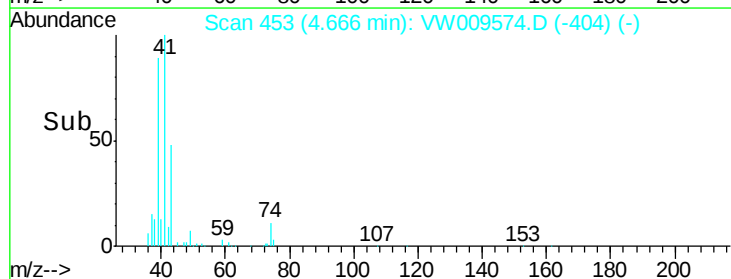
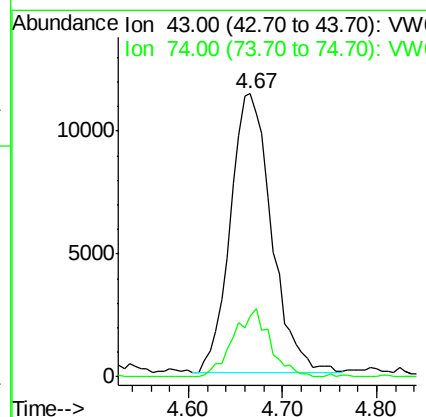
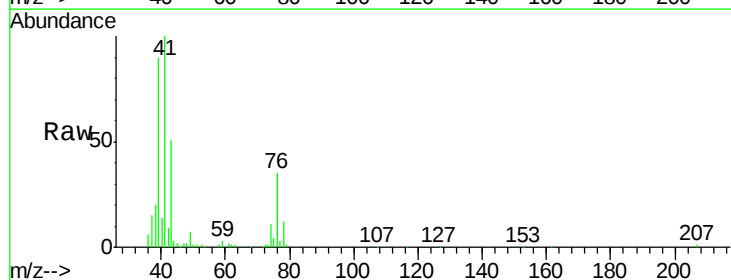
Manual Integrations
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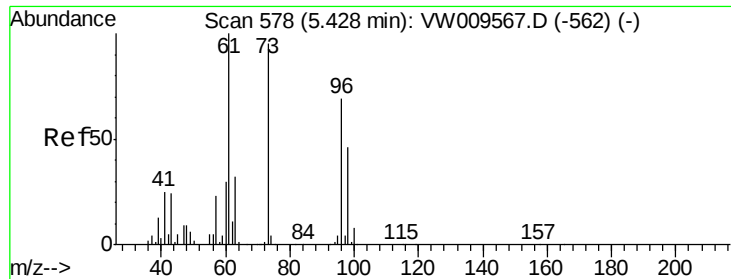
MMDadoda
4/1/2019 4:04:49 AM



#18
Methyl Acetate
Concen: 20.071 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.7	26.5





#19

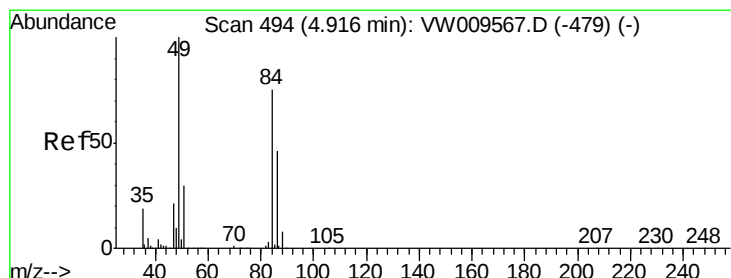
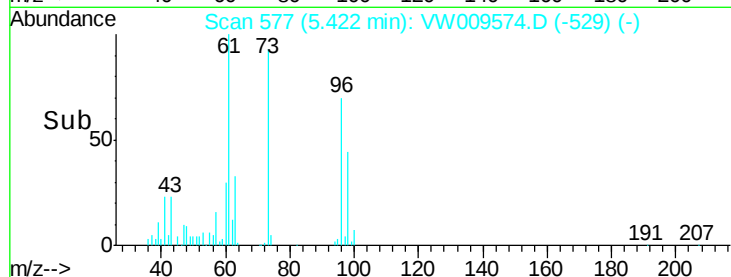
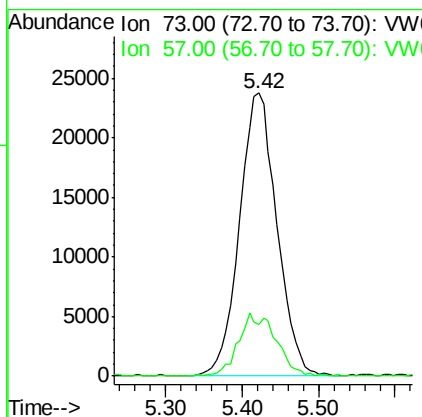
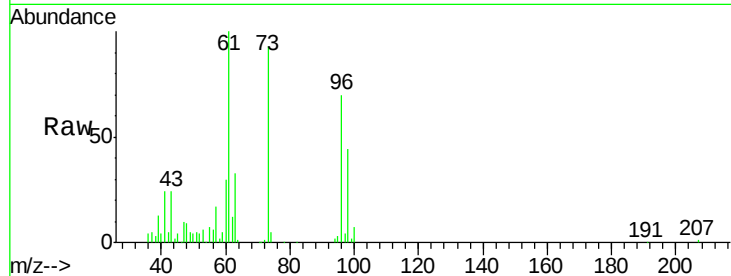
Methyl tert-butyl Ether
 Concen: 21.853 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	73	Resp	80833
Ion Ratio	Lower	Upper	
73	100		
57	18.3	17.0	25.6

Manual Integrations
 APPROVED

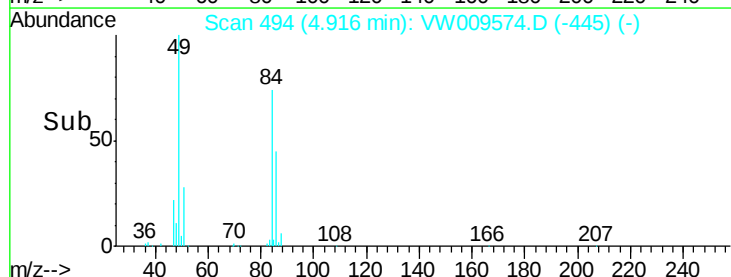
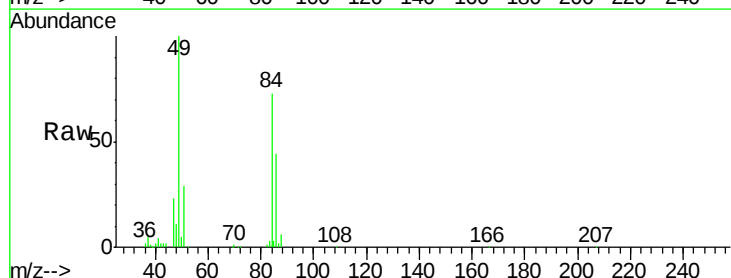
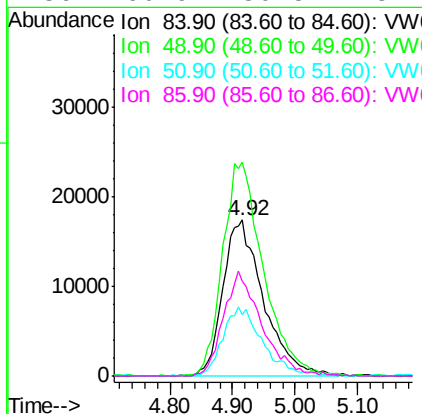
MMDadoda
 4/1/2019 4:04:49 AM

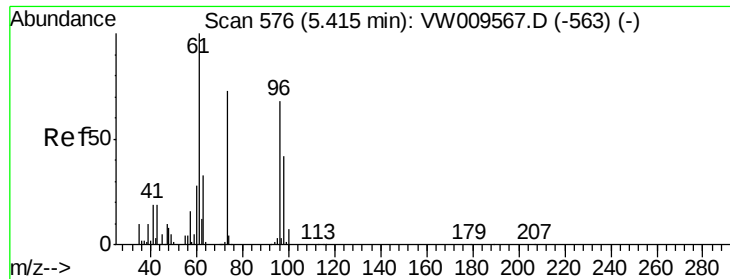


#20

Methylene Chloride
 Concen: 26.062 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	84	Resp	77596
Ion Ratio	Lower	Upper	
84	100		
49	136.5	99.1	148.7
51	39.2	28.7	43.1
86	60.9	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 22.205 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

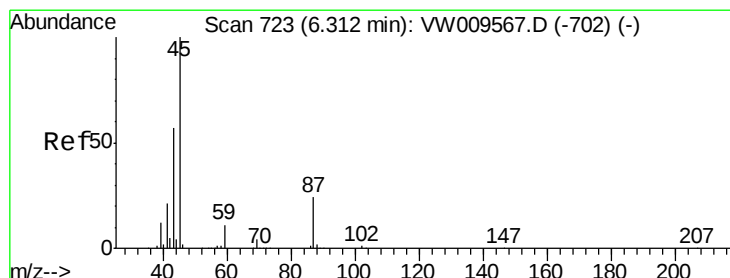
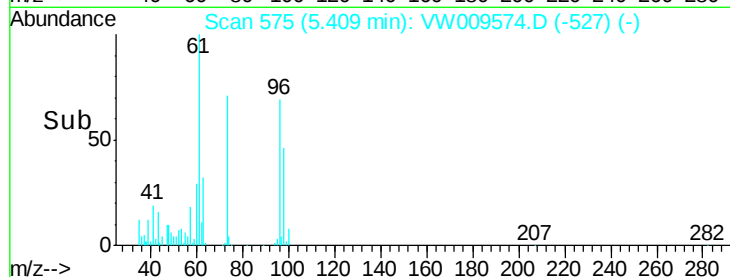
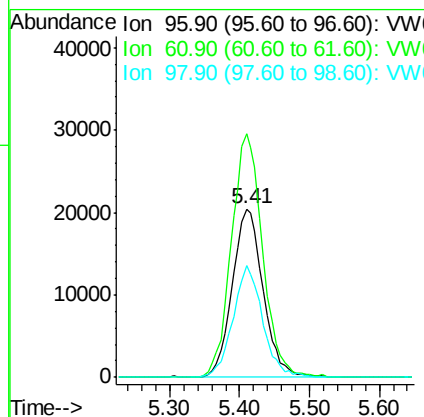
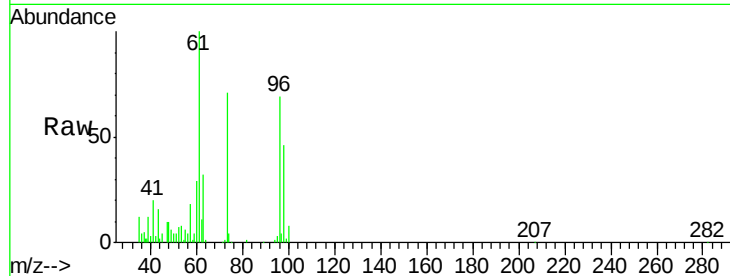
ClientSampleId :

VW0329SBS01

Tot Ion:	96	Resp:	62702
Ion	Ratio	Lower	Upper
96	100		
61	144.7	108.2	162.4
98	66.3	50.9	76.3

Manual Integrations
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4/1/2019 4:04:49 AM



#22

Diisopropyl ether

Concen: 22.134 ug/l

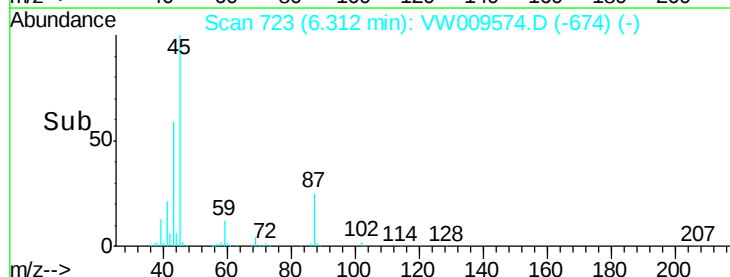
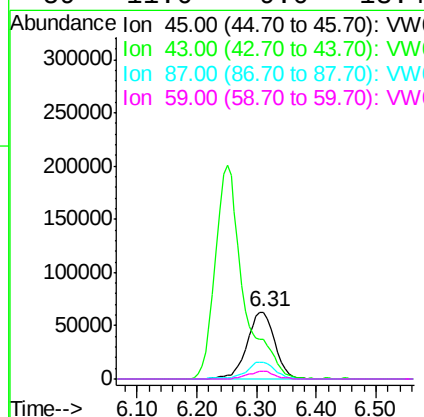
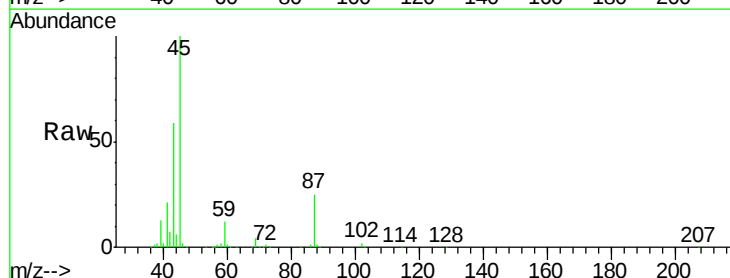
RT: 6.31 min Scan# 723

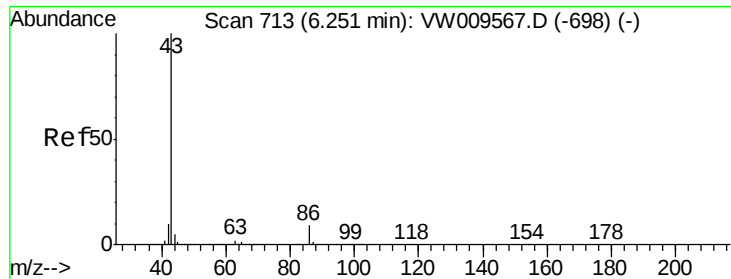
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	45	Resp:	203338
Ion	Ratio	Lower	Upper
45	100		
43	58.0	47.9	71.9
87	24.8	20.6	30.8
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 113.974 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 43 Resp: 653198

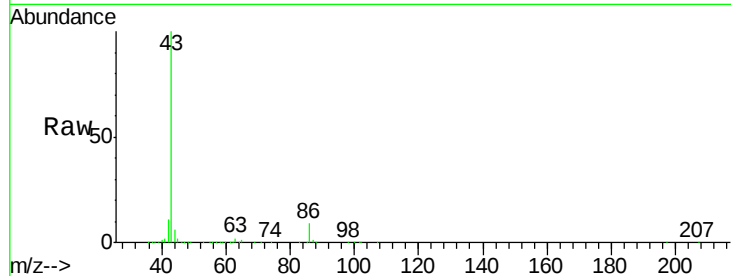
Ion Ratio Lower Upper

43 100

86 9.1 7.7 11.5

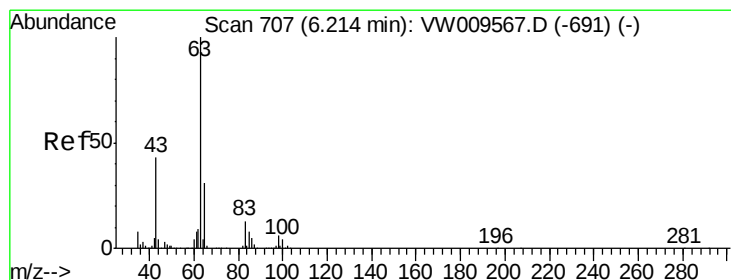
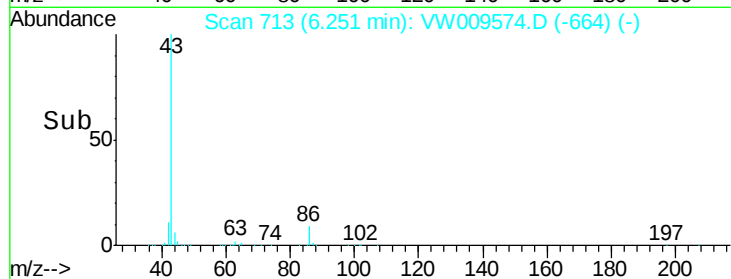
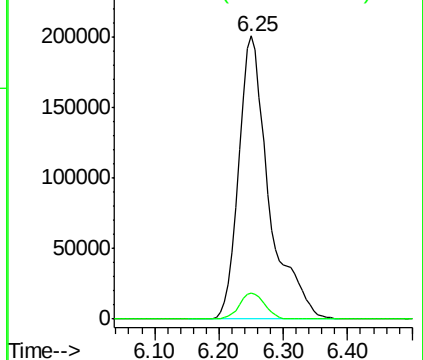
Manual Integrations
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4/1/2019 4:04:49 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.992 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

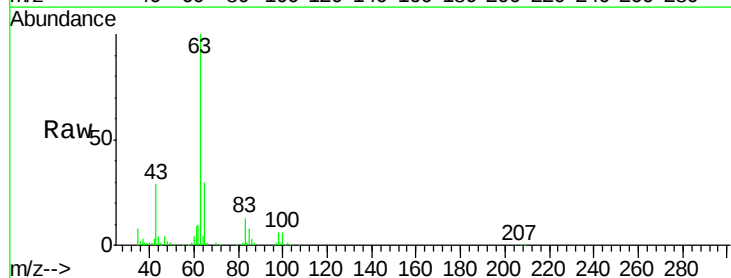
Tgt Ion: 63 Resp: 121600

Ion Ratio Lower Upper

63 100

98 6.2 3.7 11.1

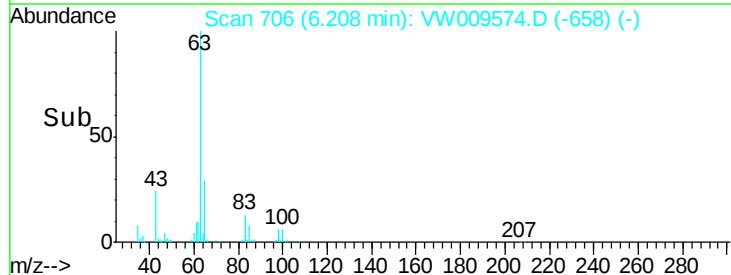
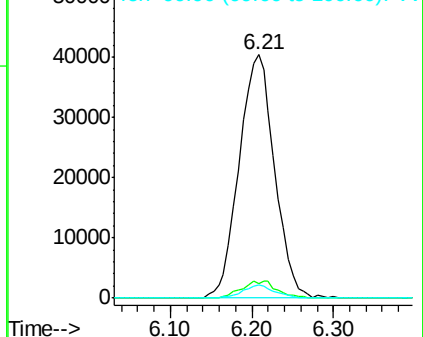
100 5.6 2.4 7.1

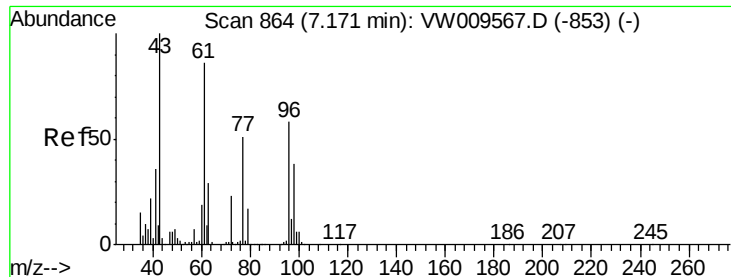


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 113.732 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 43 Resp: 111342

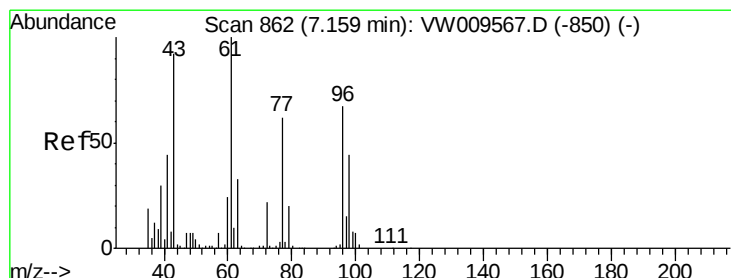
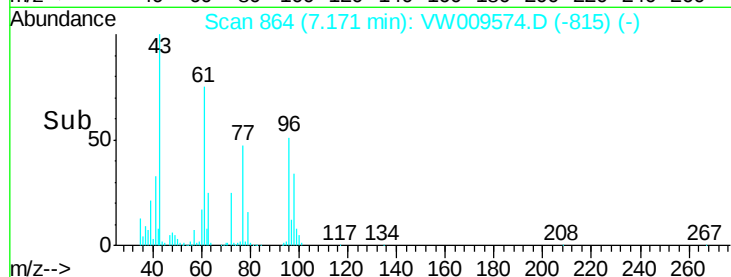
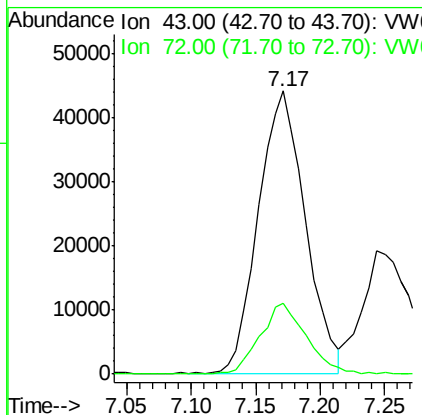
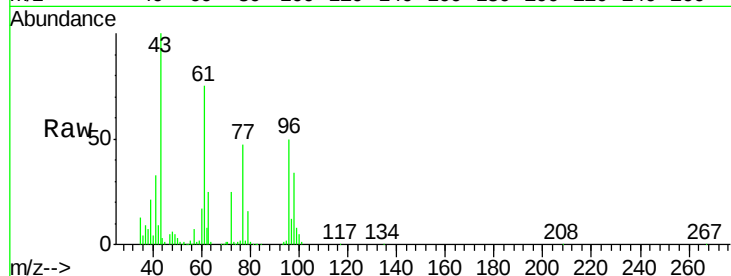
Ion Ratio Lower Upper

43 100

72 25.0 20.0 30.0

Manual Integrations
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4/1/2019 4:04:49 AM



#26

2,2-Dichloropropane

Concen: 22.215 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW009574.D

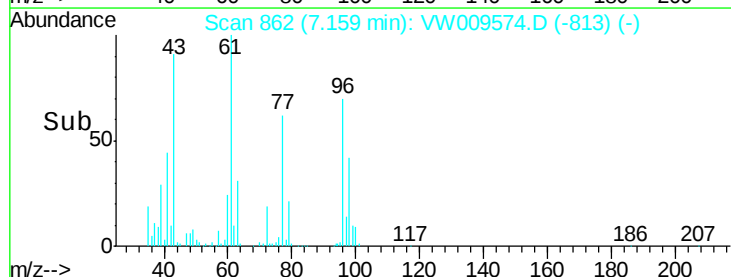
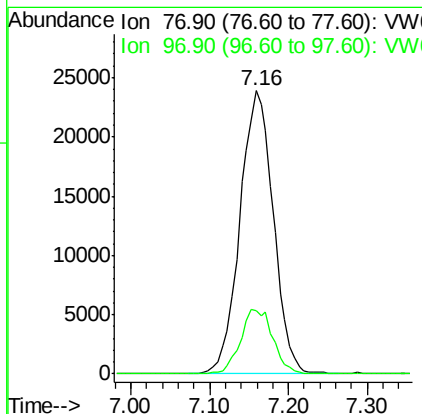
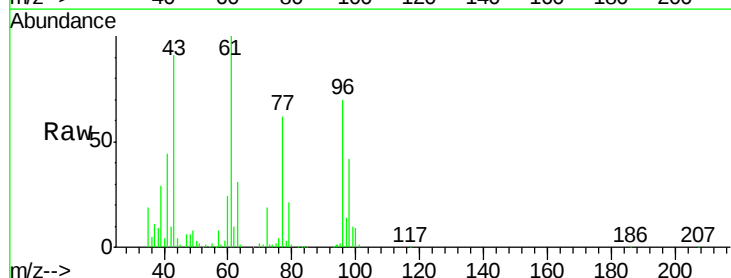
Acq: 29 Mar 2019 16:25

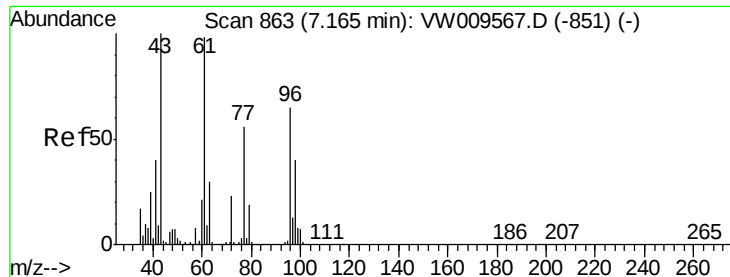
Tgt Ion: 77 Resp: 70230

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7





#27

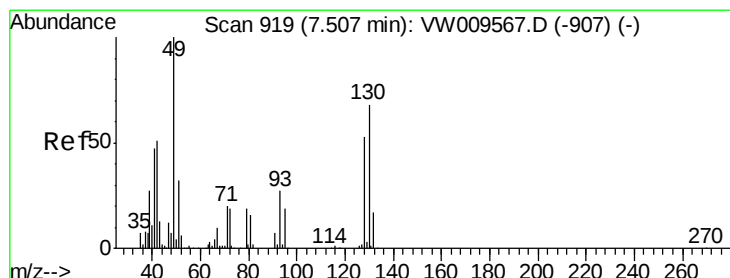
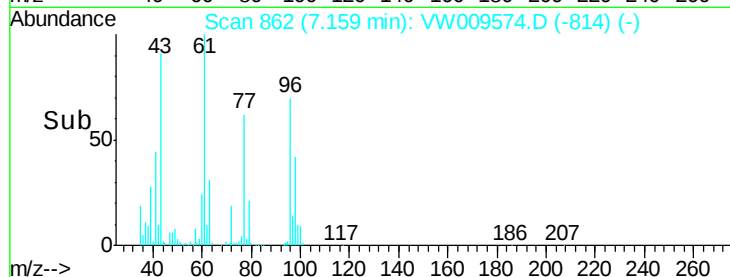
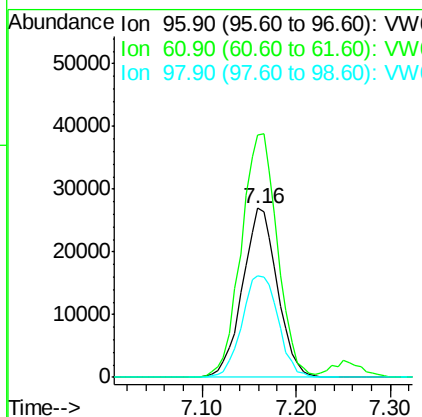
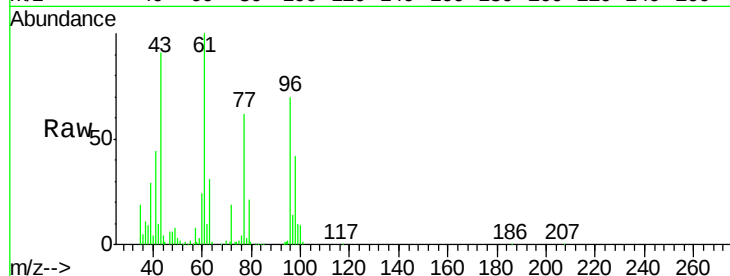
cis-1,2-Dichloroethene
Concen: 22.619 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.6	0.0	289.8
98	62.8	0.0	130.8

Manual Integrations
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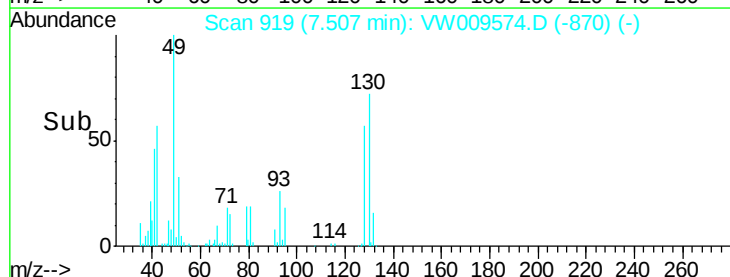
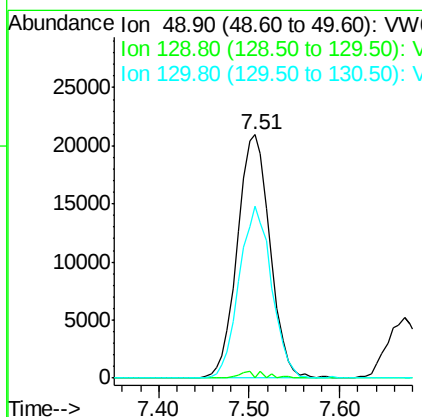
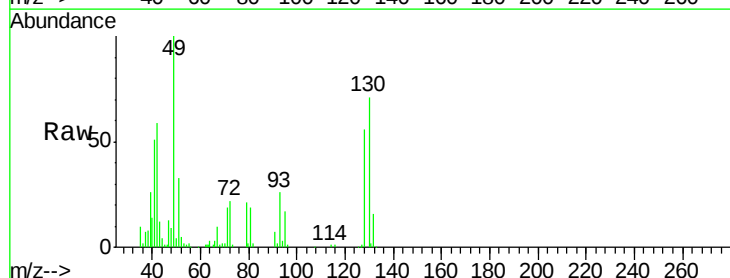
MMDadoda
4/1/2019 4:04:49 AM

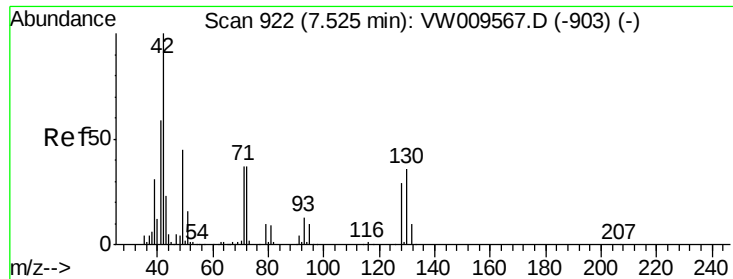


#28

Bromochloromethane
Concen: 21.832 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.4
130	69.9	58.6	88.0





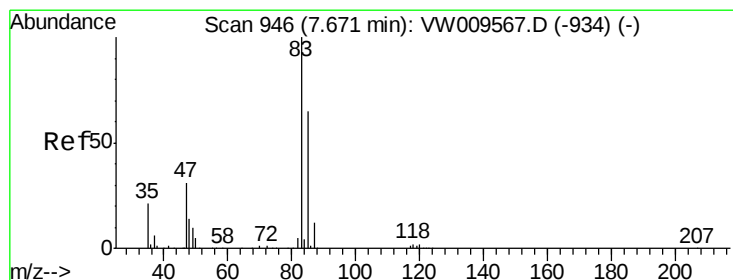
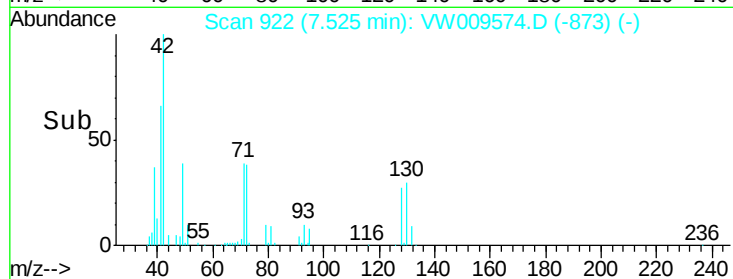
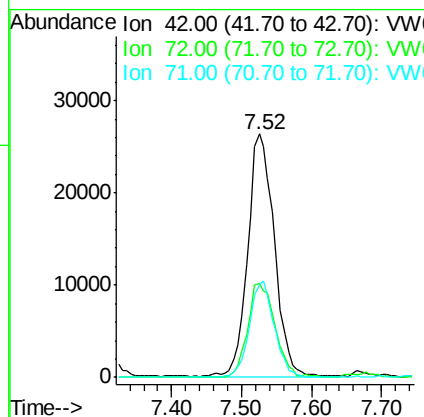
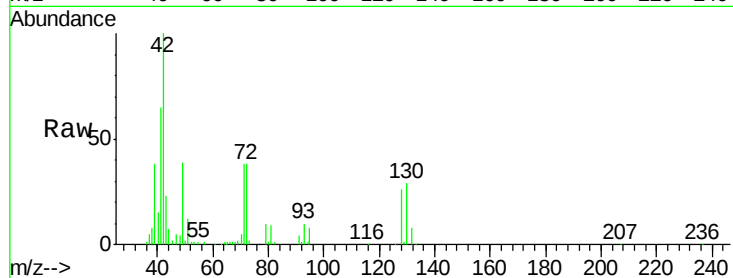
#29
Tetrahydrofuran
Concen: 114.883 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.4	48.6
71	37.0	30.1	45.1

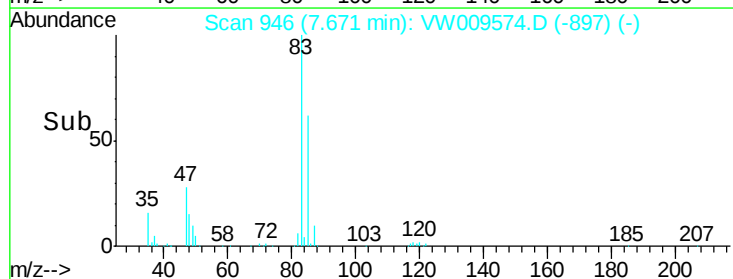
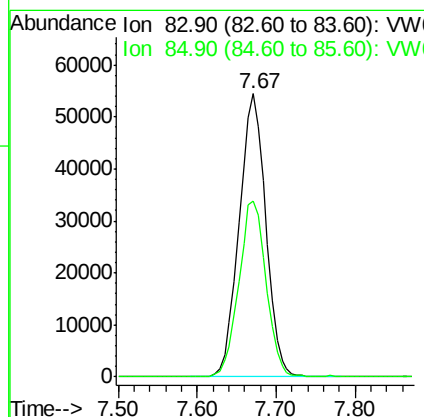
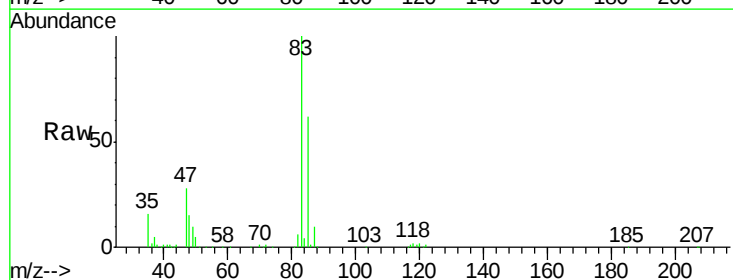
Manual Integrations
APPROVED

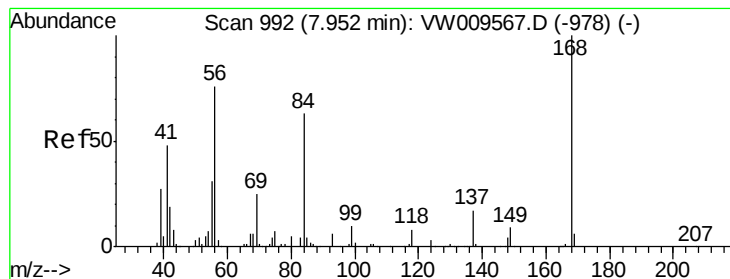
MMDadoda
4/1/2019 4:04:49 AM



#30
Chloroform
Concen: 22.368 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.0	76.6





#31

Cyclohexane

Concen: 21.487 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

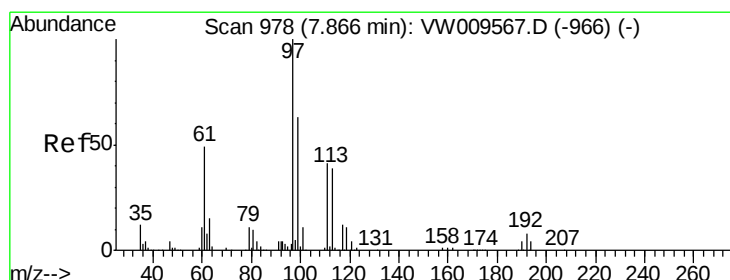
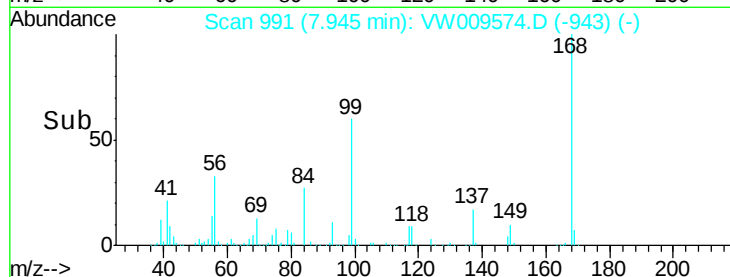
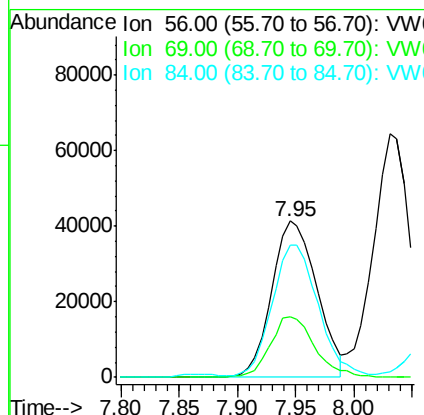
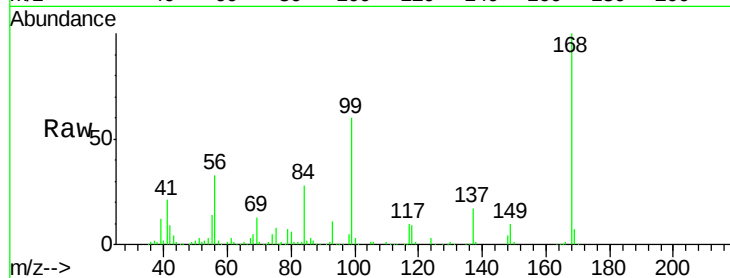
ClientSampleId :

VW0329SBS01

Tot Ion:	56	Resp:	111385
Ion Ratio	Lower	Upper	
56	100		
69	38.6	26.1	39.1
84	82.5	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.714 ug/l

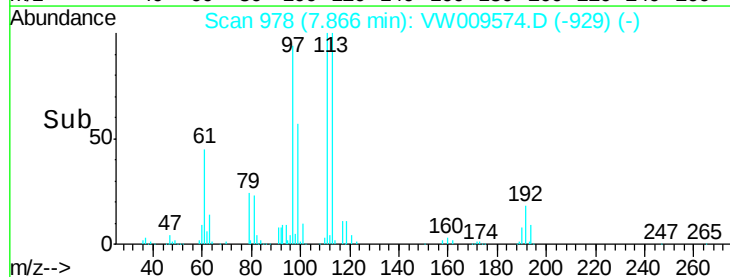
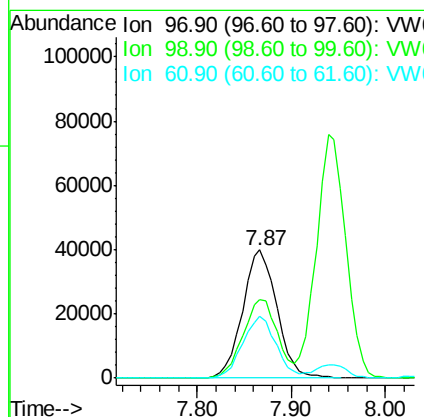
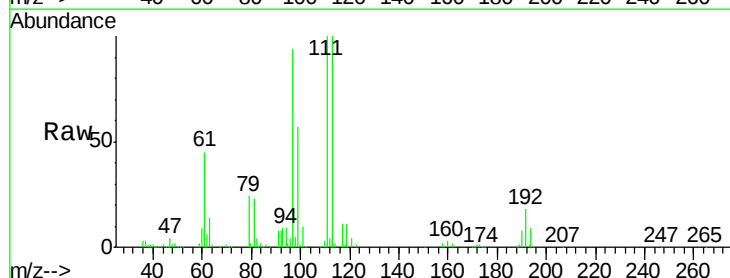
RT: 7.87 min Scan# 978

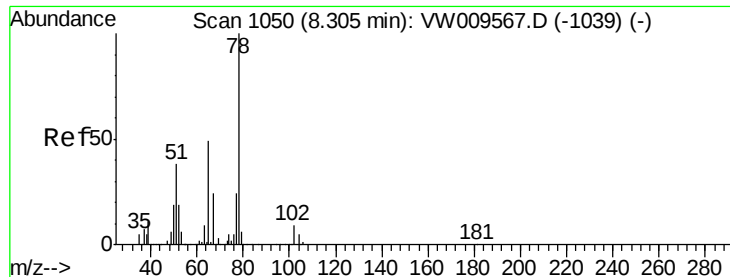
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	97	Resp:	100670
Ion Ratio	Lower	Upper	
97	100		
99	62.5	51.9	77.9
61	47.1	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 53.614 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 65 Resp: 168936

Ion Ratio Lower Upper

65 100

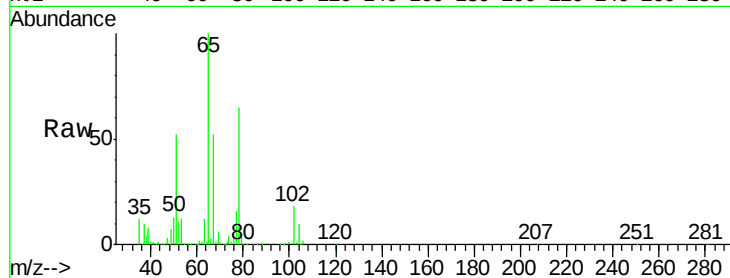
67 49.5 0.0 102.4

Manual Integrations

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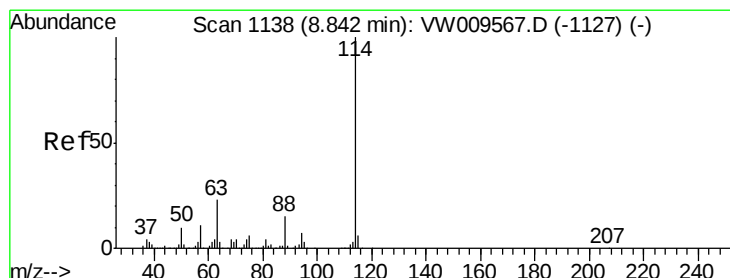
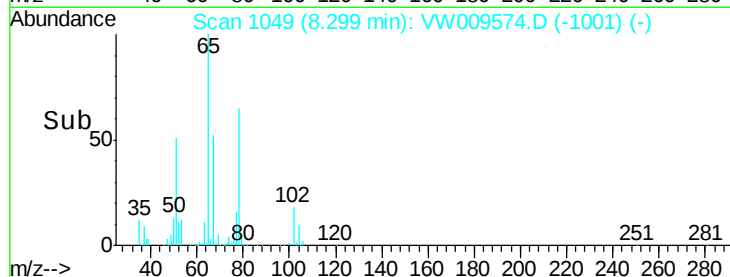
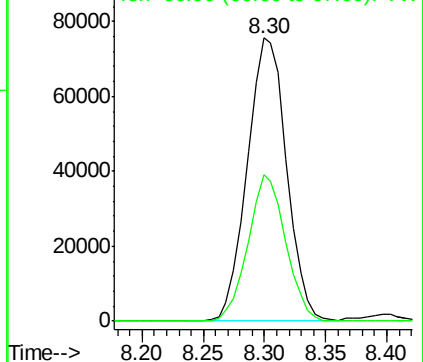
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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

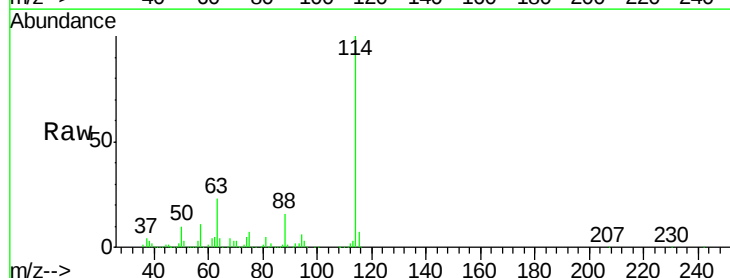
Tgt Ion: 114 Resp: 424887

Ion Ratio Lower Upper

114 100

63 22.9 0.0 42.2

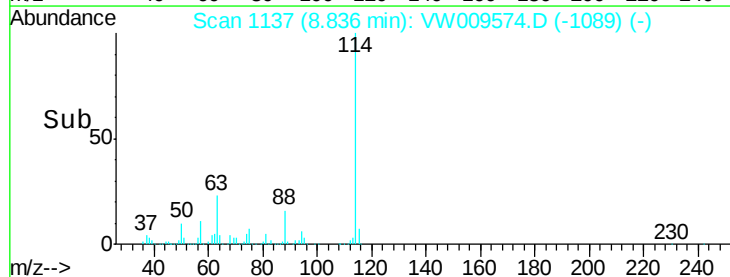
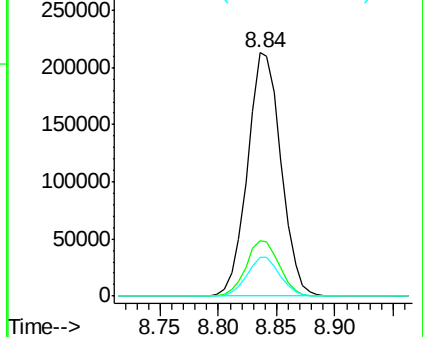
88 16.2 0.0 30.8

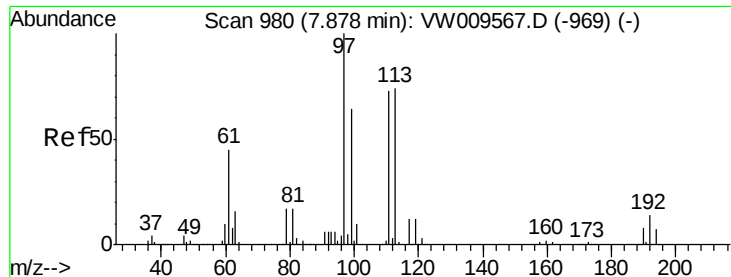


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 53.411 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

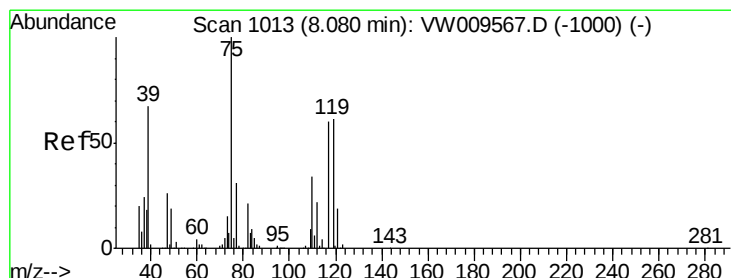
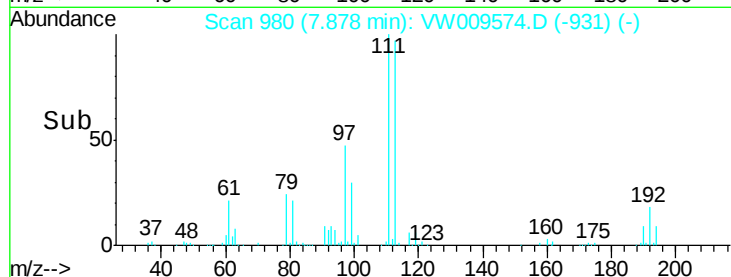
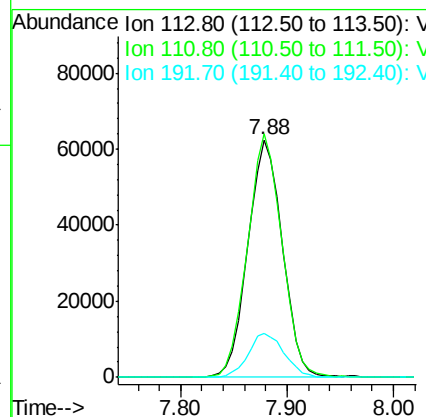
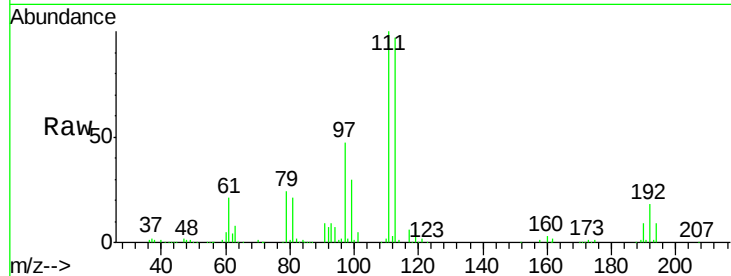
ClientSampleId :

VW0329SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142534		
111	102.4	82.6	124.0	
192	19.2	16.4	24.6	

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.616 ug/l

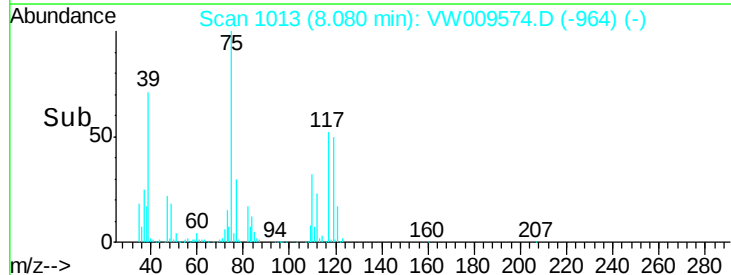
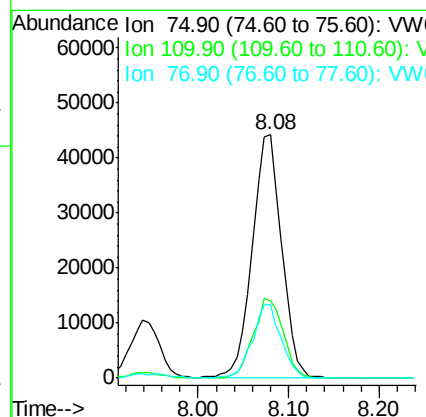
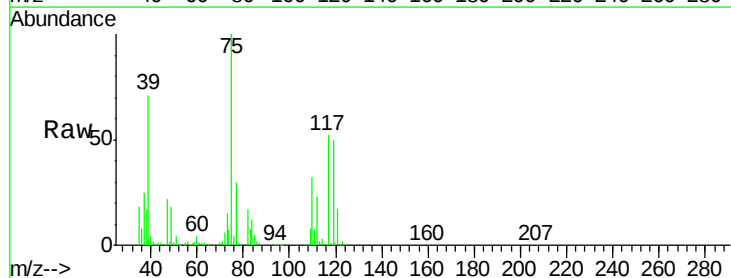
RT: 8.08 min Scan# 1013

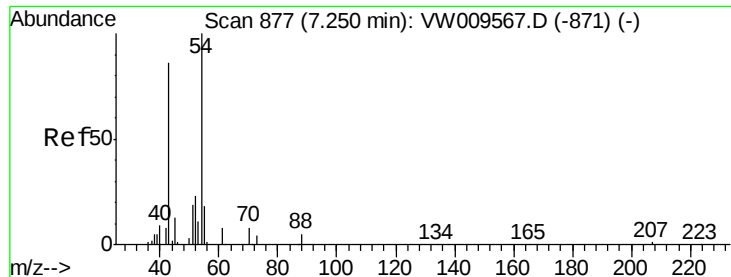
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	99392		
110	33.2	16.8	50.4	
77	29.8	24.6	36.8	





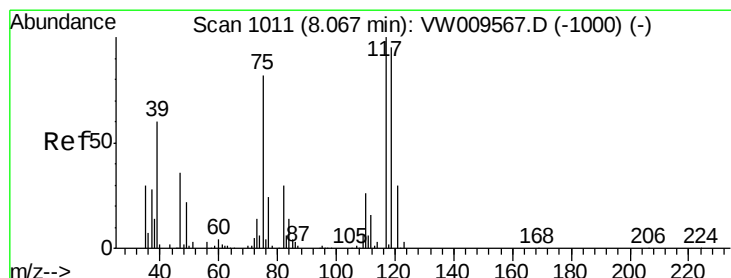
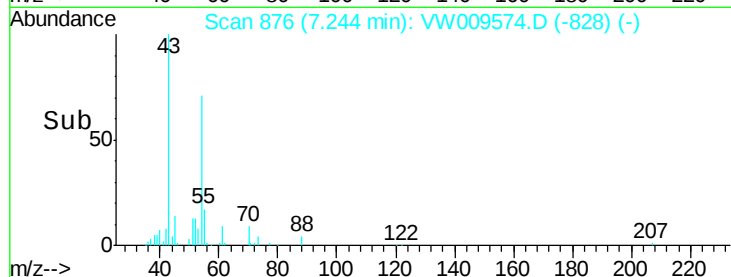
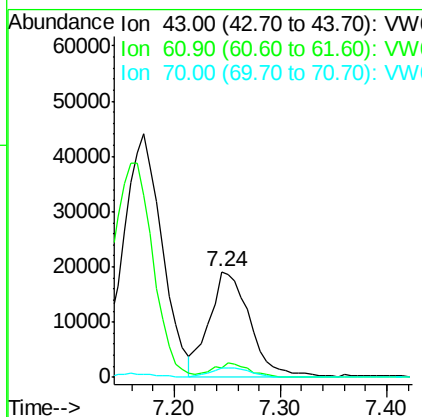
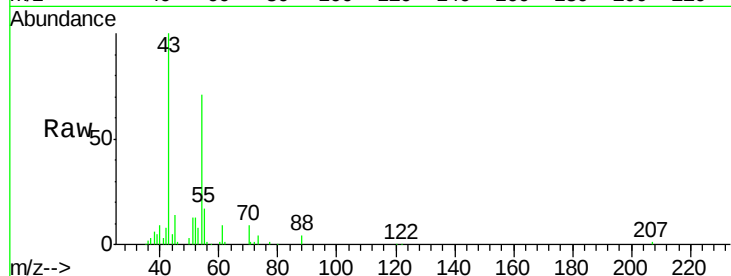
#37
Ethyl Acetate
Concen: 24.241 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampled :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.0	15.0
70	9.3	7.3	10.9

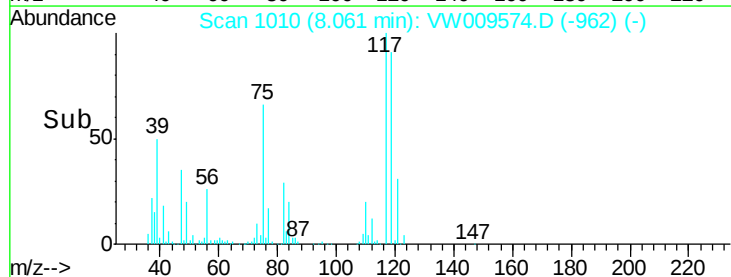
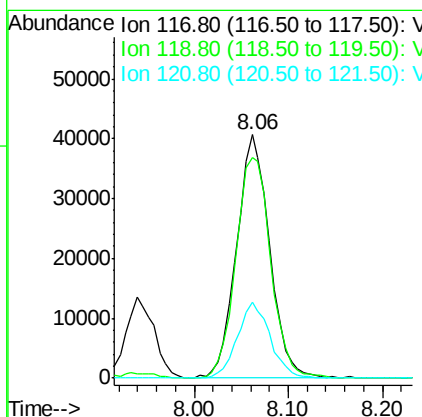
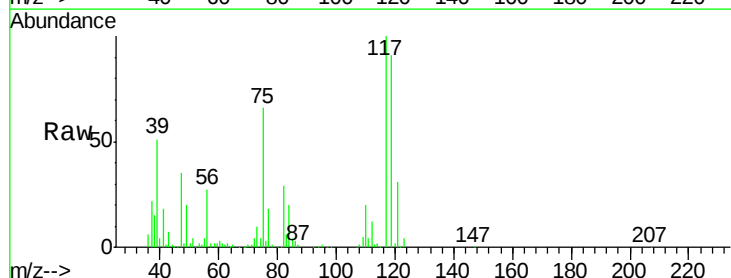
Manual Integrations
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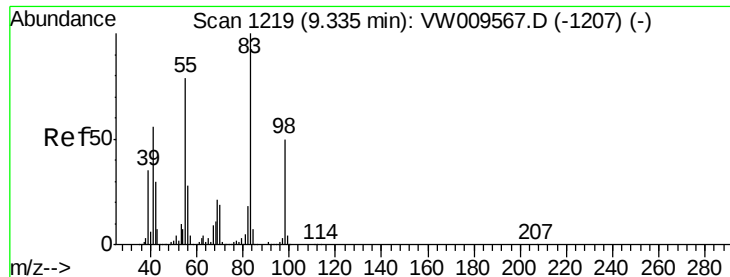
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#38
Carbon Tetrachloride
Concen: 22.152 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	75.4	113.0
121	31.0	24.9	37.3





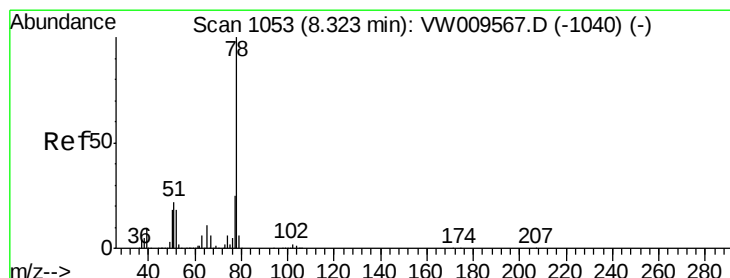
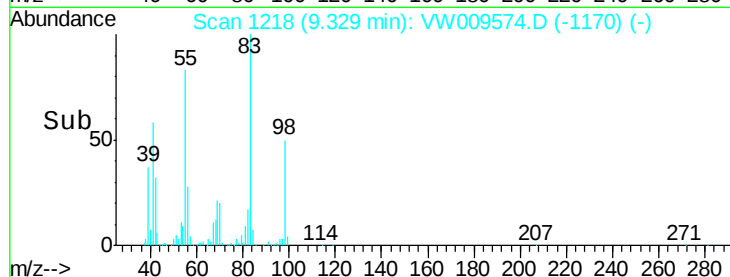
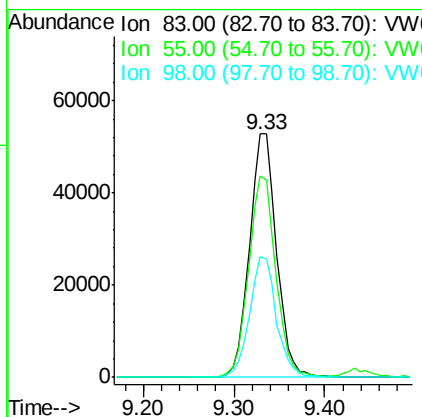
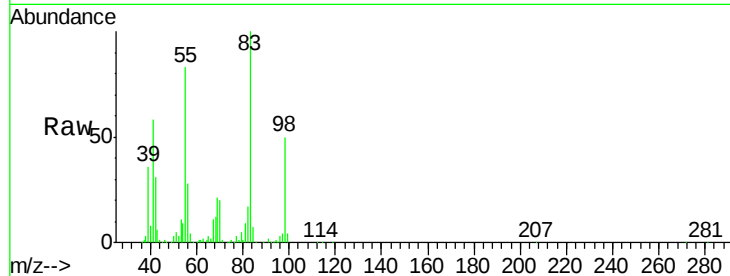
#39
Methvlcvclohexane
Concen: 21.754 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	109204		
55	82.7		61.1	91.7
98	49.7		39.0	58.4

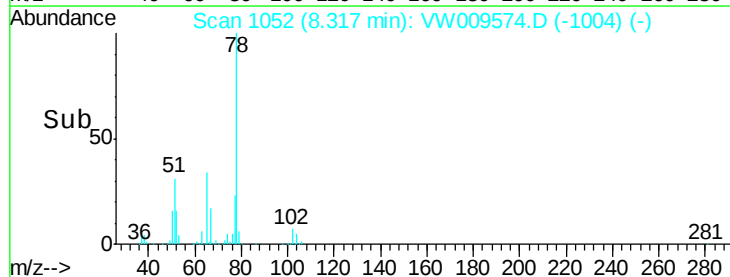
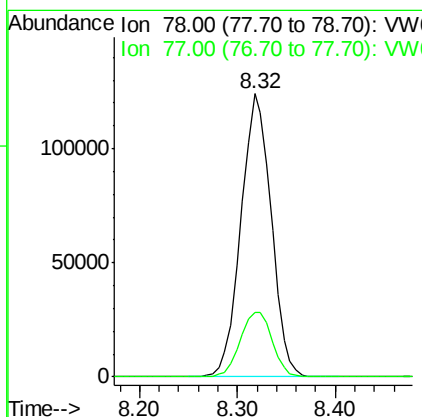
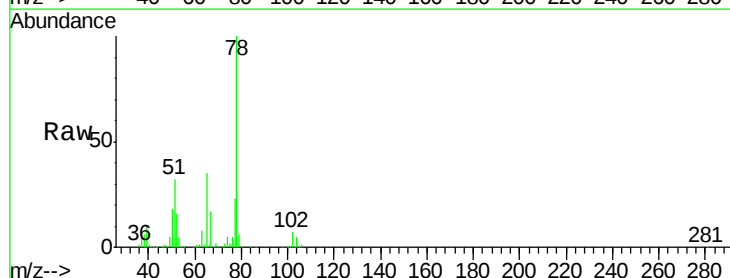
Manual Integrations
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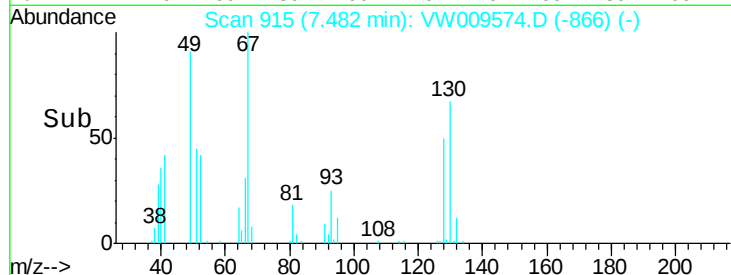
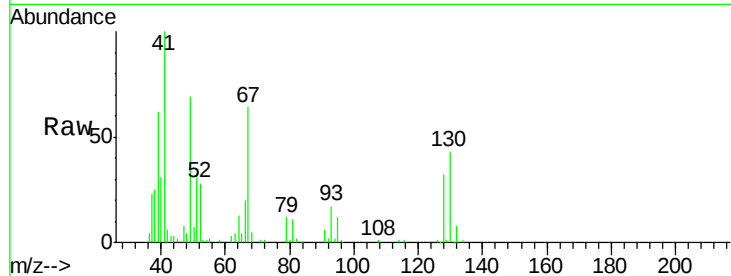
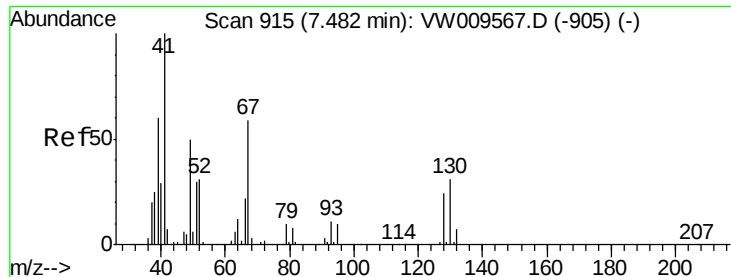
MMDadoda
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#40
Benzene
Concen: 22.422 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	266899		
77	22.8		19.8	29.6





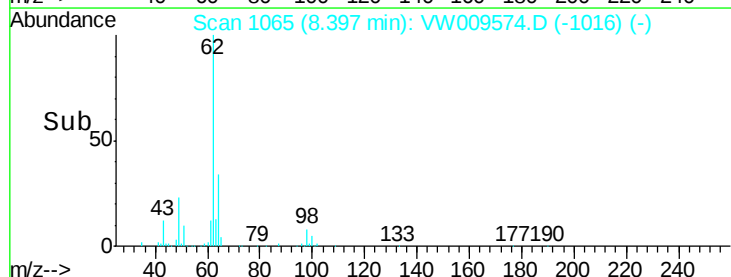
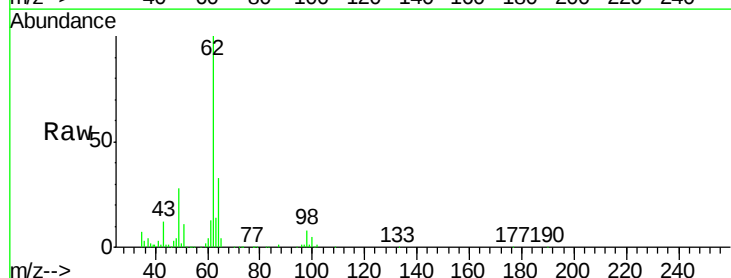
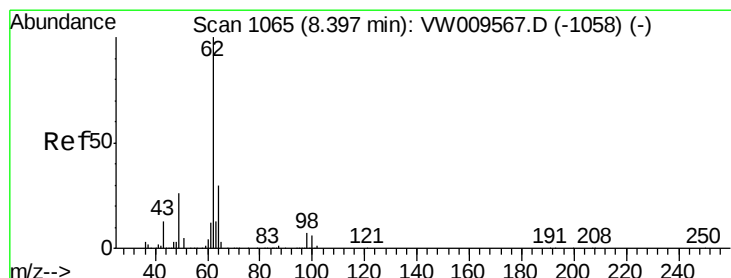
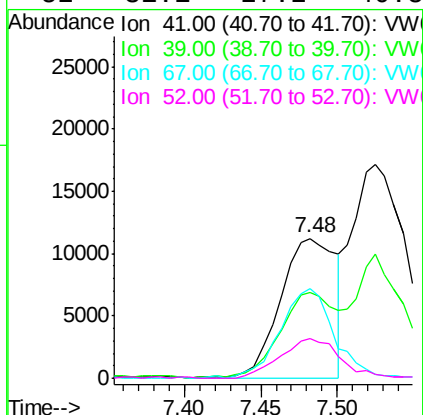
#41
Methacrylonitrile
Concen: 23.022 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tot Ion	41	Resp	28181
Ion Ratio	Lower	Upper	
41	100		
39	59.8	52.5	78.7
67	62.8	56.6	84.8
52	31.1	27.2	40.8

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

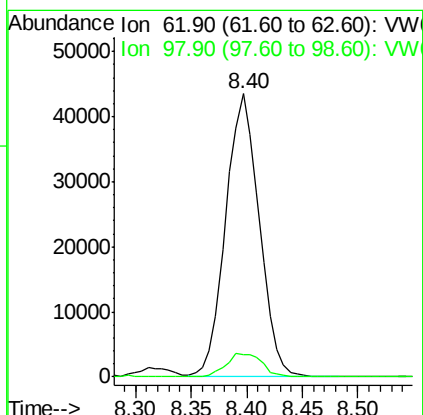
Manual Integrations
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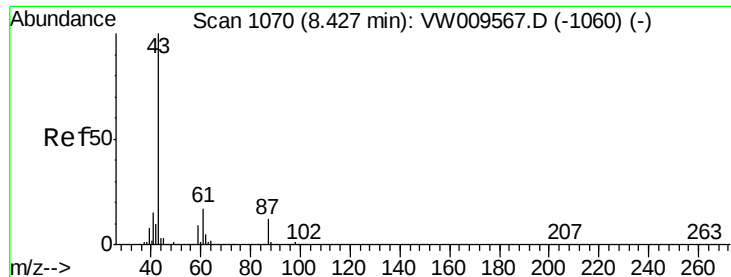
MMDadoda
4/1/2019 4:04:49 AM



#42
1,2-Dichloroethane
Concen: 22.407 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	62	Resp	90932
Ion Ratio	Lower	Upper	
62	100		
98	8.9	0.0	17.4





#43

Isopropyl Acetate

Concen: 22.520 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

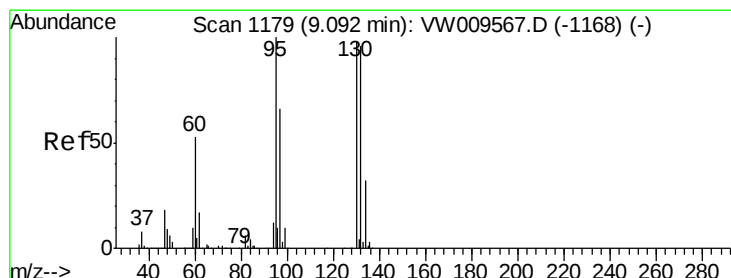
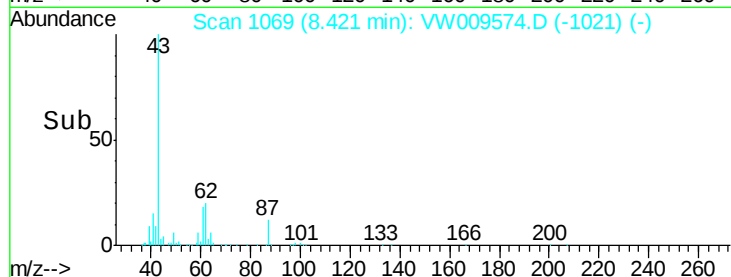
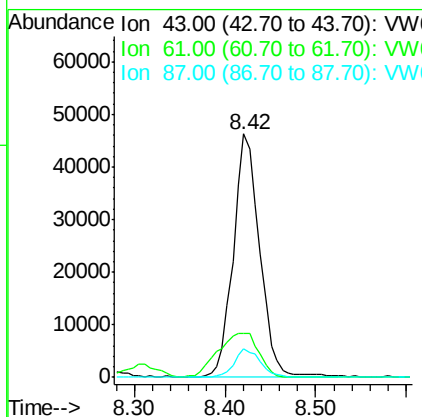
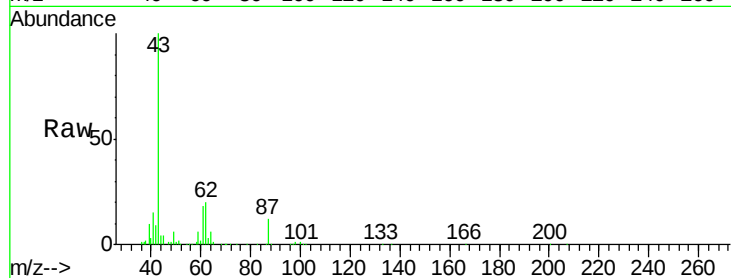
ClientSampleId :

VW0329SBS01

Tot Ion:	43	Resp:	92151
Ion	Ratio	Lower	Upper
43	100		
61	28.6	22.2	33.2
87	11.6	9.6	14.4

Manual Integrations
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4/1/2019 4:04:49 AM



#44

Trichloroethene

Concen: 22.218 ug/l

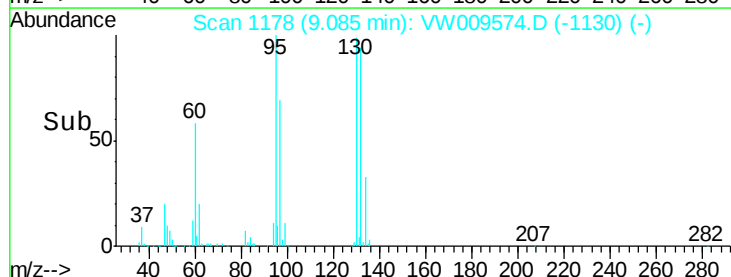
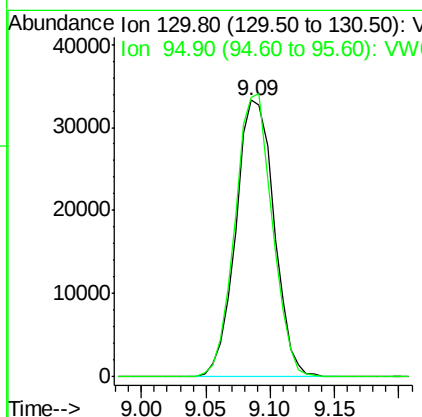
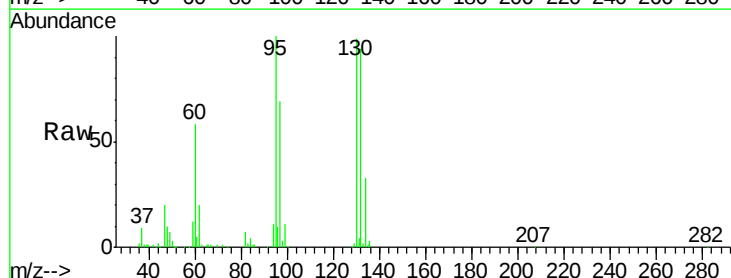
RT: 9.09 min Scan# 1178

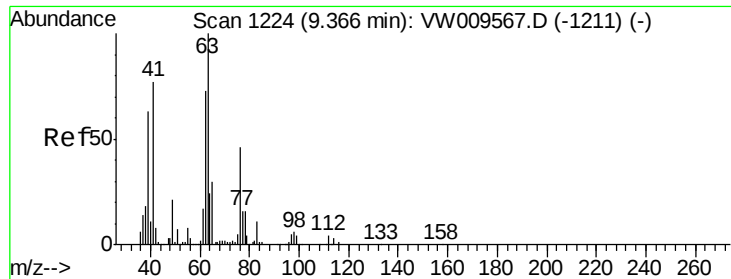
Delta R.T. -0.01 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	130	Resp:	68469
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	192.6





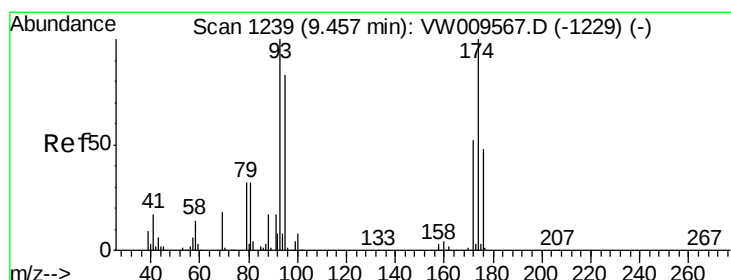
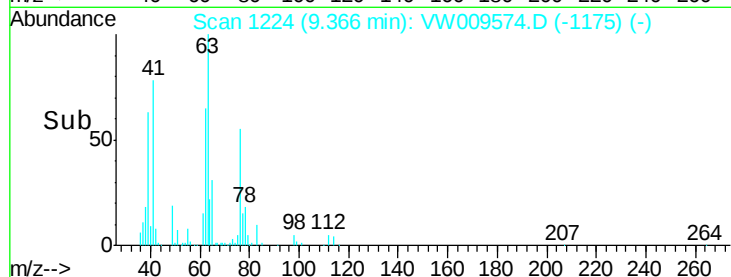
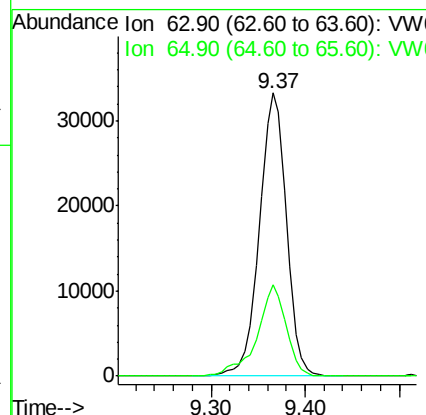
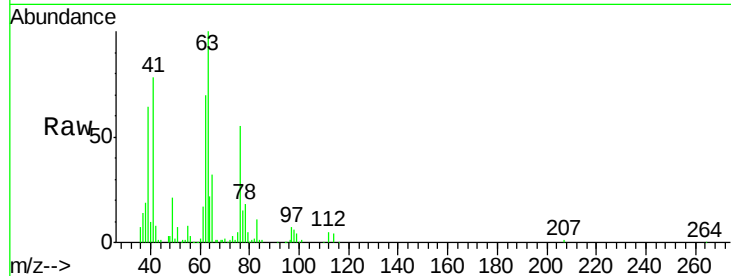
#45
 1,2-Dichloropropane
 Concen: 22.051 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.8

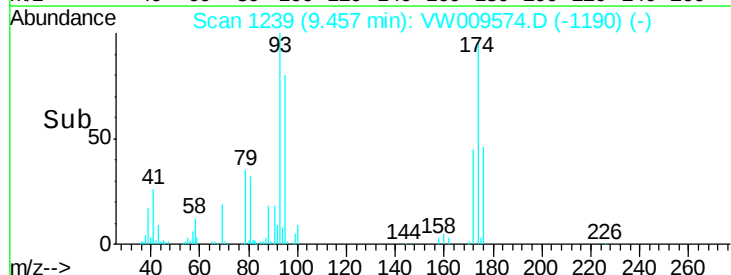
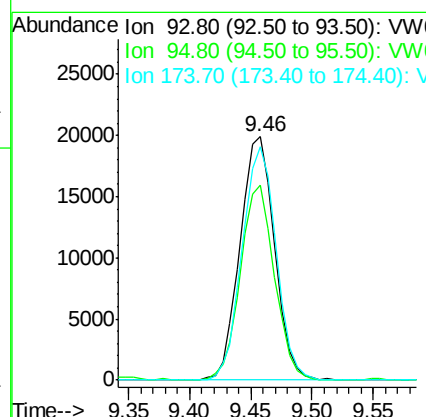
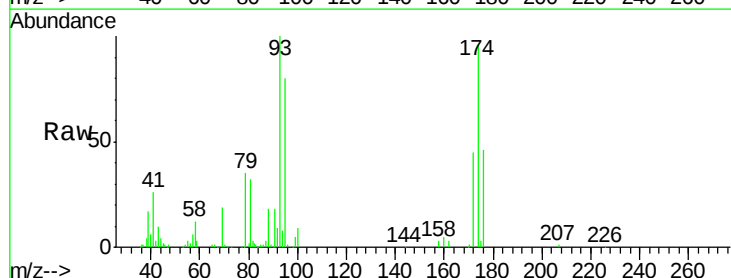
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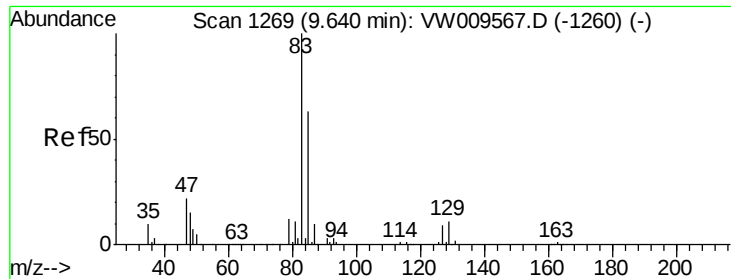
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#46
 Dibromomethane
 Concen: 23.626 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.8	66.9	100.3
174	94.7	80.8	121.2





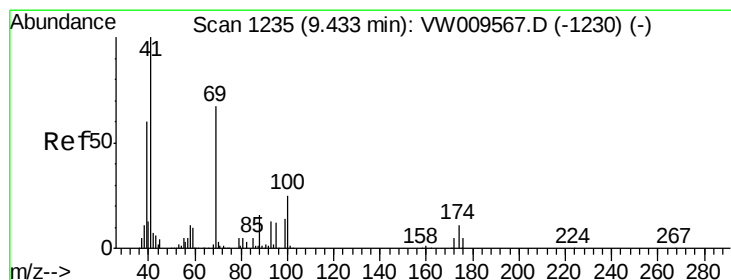
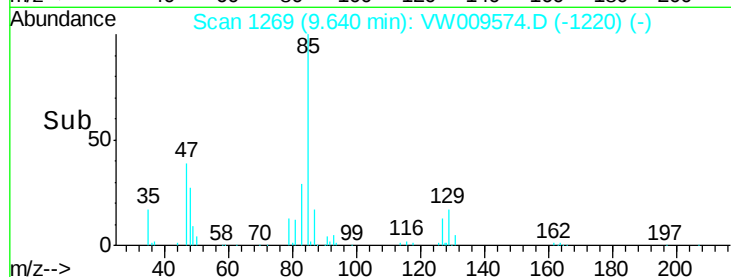
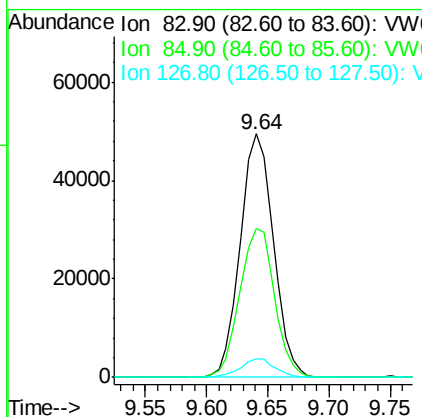
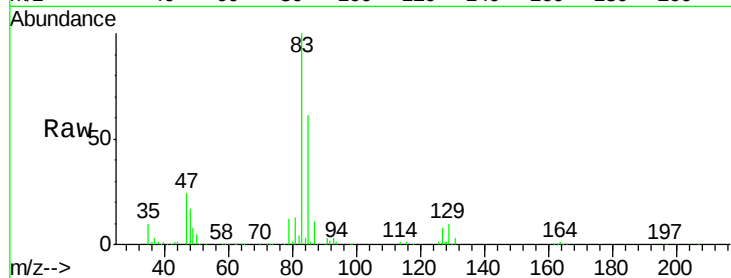
#47
Bromodichloromethane
Concen: 22.258 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	83	Resp	93714
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	52.6	79.0
127	7.8	6.5	9.7

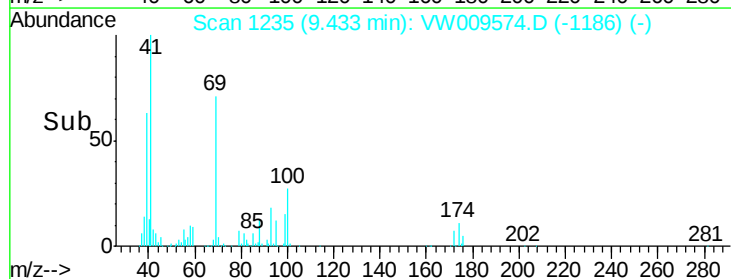
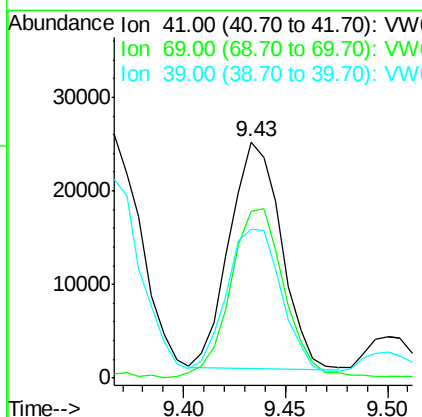
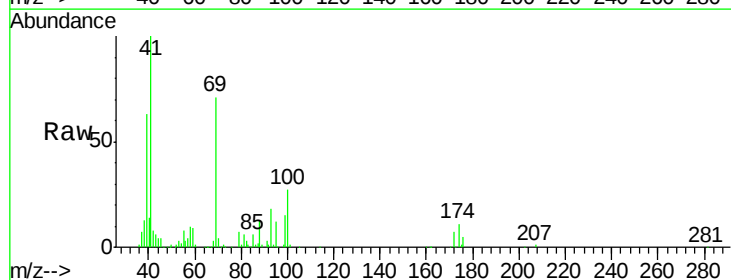
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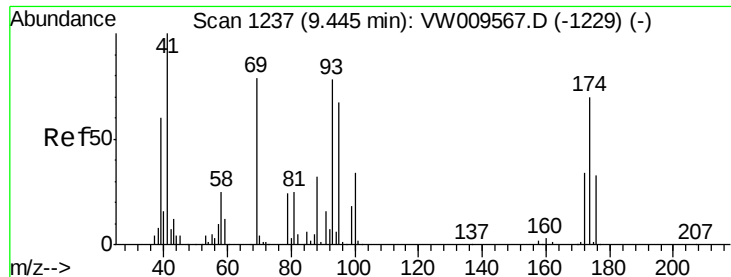
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#48
Methyl methacrylate
Concen: 22.293 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	41	Resp	42761
Ion Ratio	100	Lower	Upper
41	100		
69	77.4	63.0	94.6
39	71.3	57.2	85.8





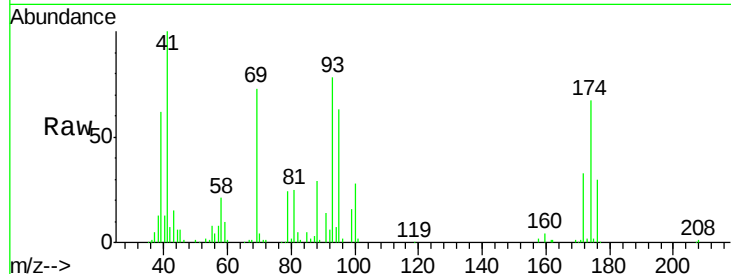
#49
1,4-Dioxane
Concen: 458.537 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampled :
VW0329SBS01

Tot Ion	88	Resp	11271
Ion Ratio	Lower	Upper	
88	100		
43	40.5	29.7	44.5
58	74.8	58.1	87.1

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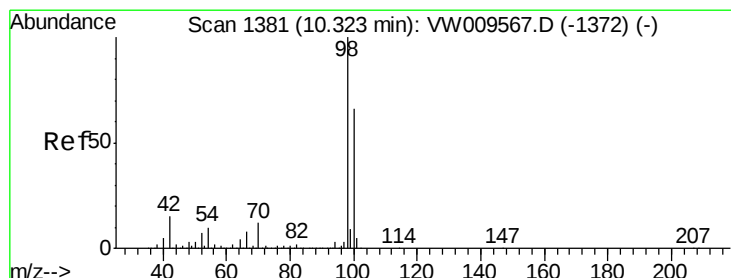
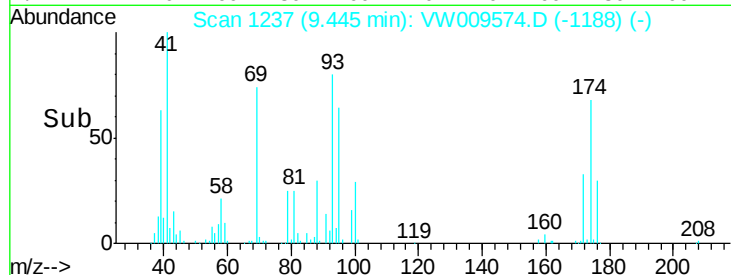
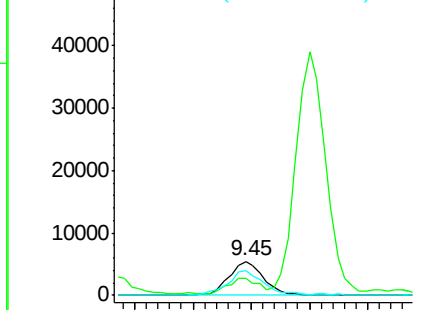


Abundance

Ion 88.00 (87.70 to 88.70): VW

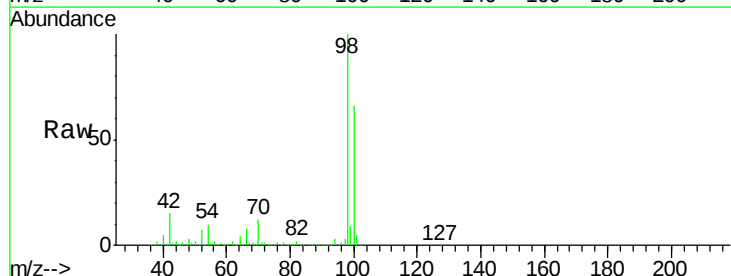
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 54.286 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

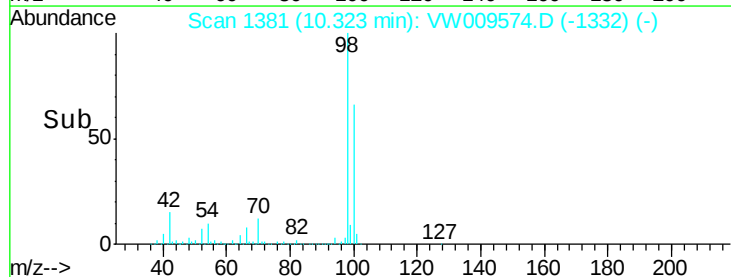
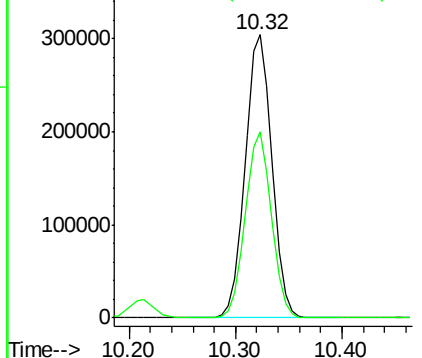
Tgt Ion	98	Resp	535454
Ion Ratio	Lower	Upper	
98	100		
100	64.3	52.6	79.0

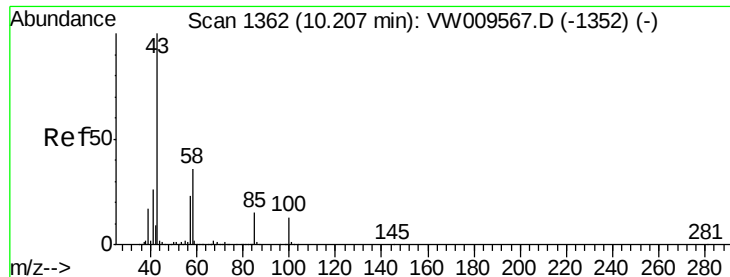


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 114.022 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 43 Resp: 249628

Ion Ratio Lower Upper

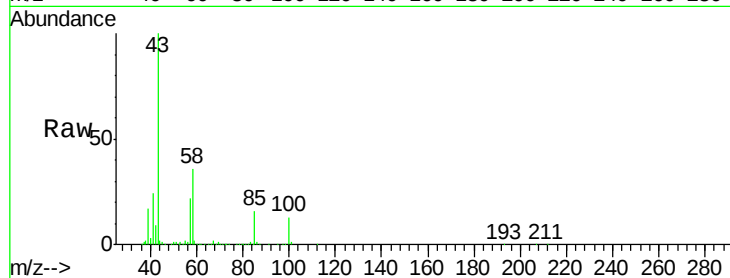
43 100

58 35.9 28.6 42.8

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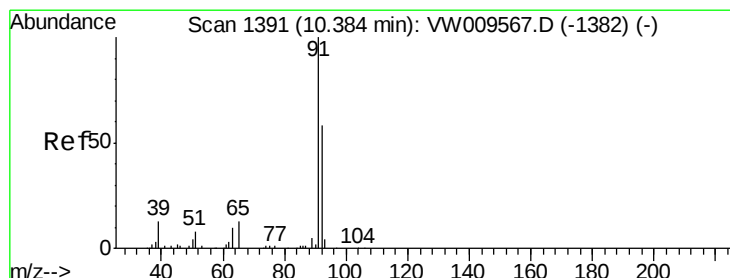
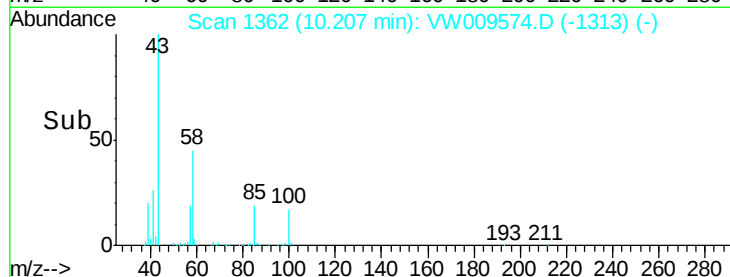
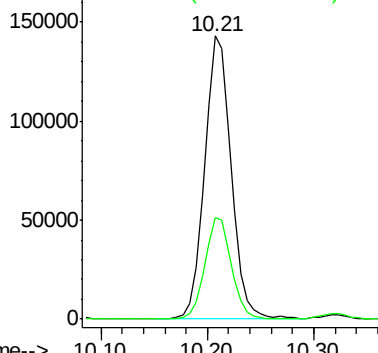
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 22.772 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009574.D

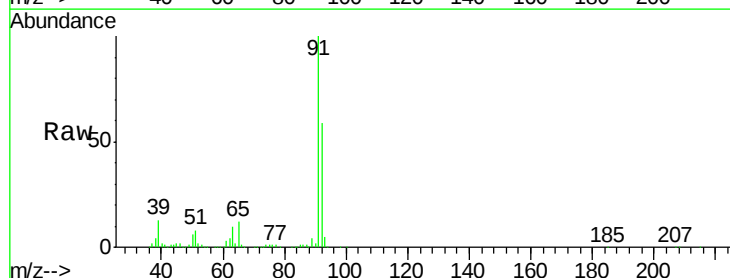
Acq: 29 Mar 2019 16:25

Tgt Ion: 92 Resp: 169759

Ion Ratio Lower Upper

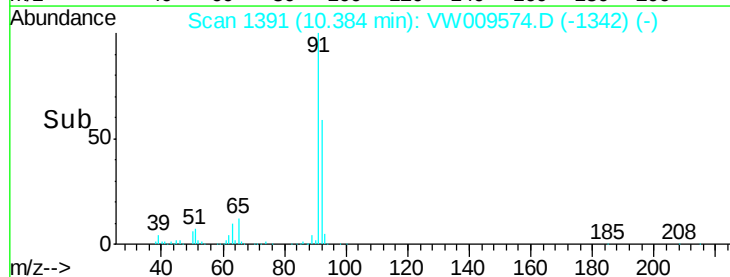
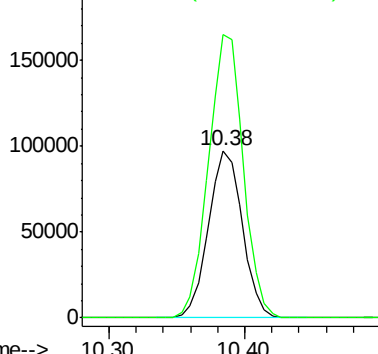
92 100

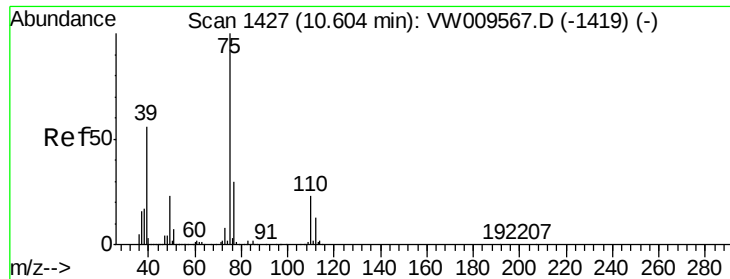
91 173.4 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.756 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 75 Resp: 89692

Ion Ratio Lower Upper

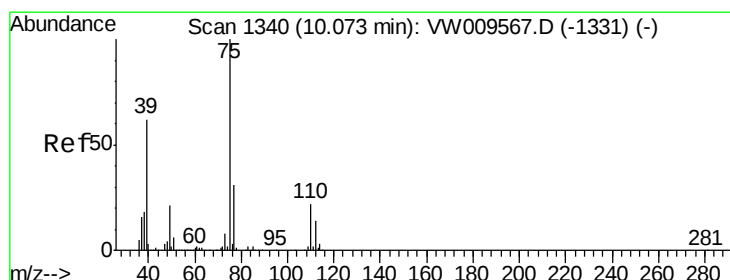
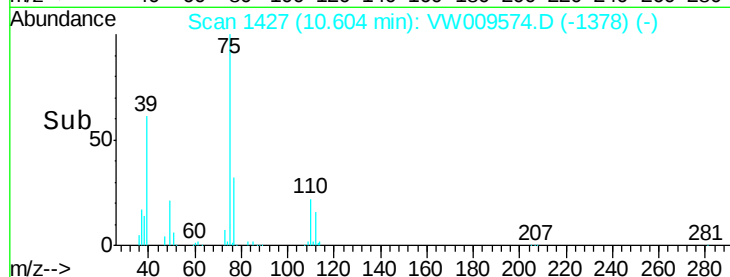
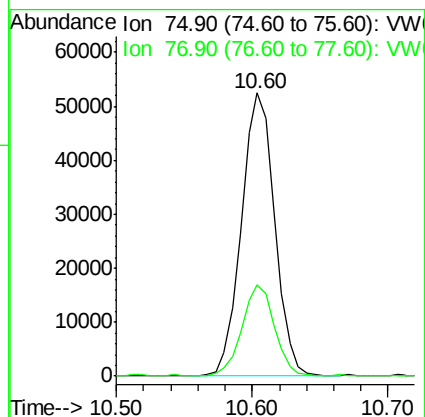
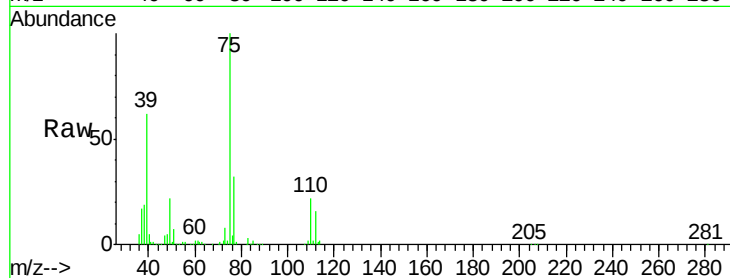
75 100

77 32.0 24.8 37.2

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#54

cis-1,3-Dichloropropene

Concen: 22.727 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

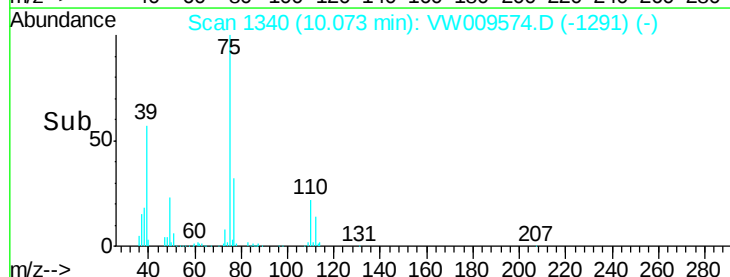
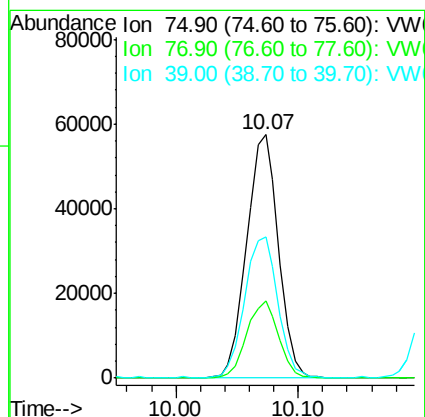
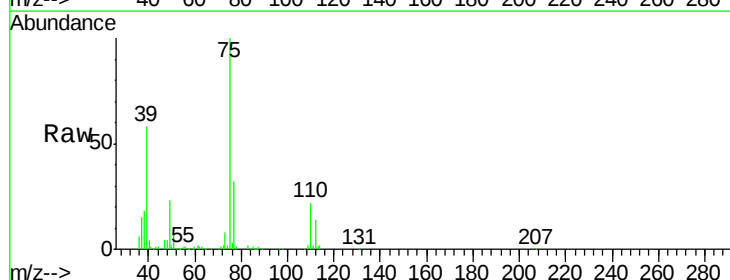
Tgt Ion: 75 Resp: 103887

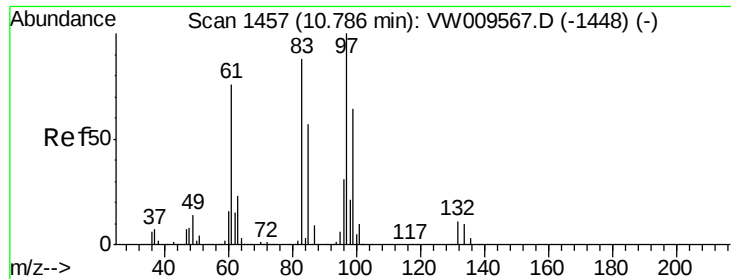
Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9

39 57.8 46.8 70.2





#55

1,1,2-Trichloroethane

Concen: 22.538 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

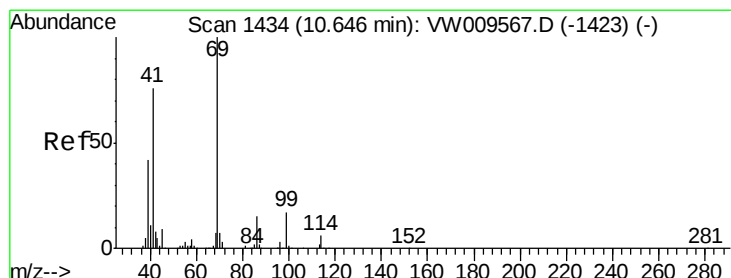
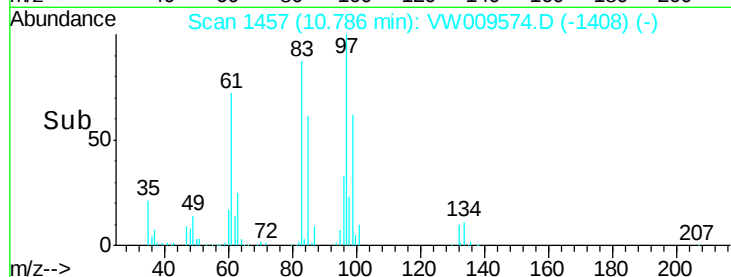
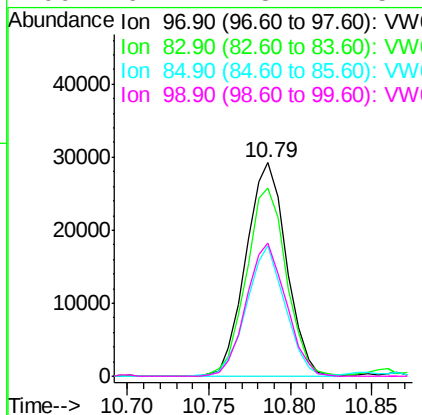
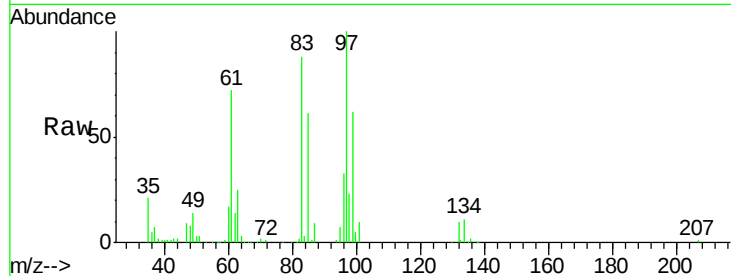
ClientSampleId :

VW0329SBS01

Tot Ion:	97	Resp:	50283
Ion	Ratio	Lower	Upper
97	100		
83	87.8	66.3	99.5
85	60.8	41.4	62.2
99	62.4	48.7	73.1

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#56

Ethyl methacrylate

Concen: 22.115 ug/l

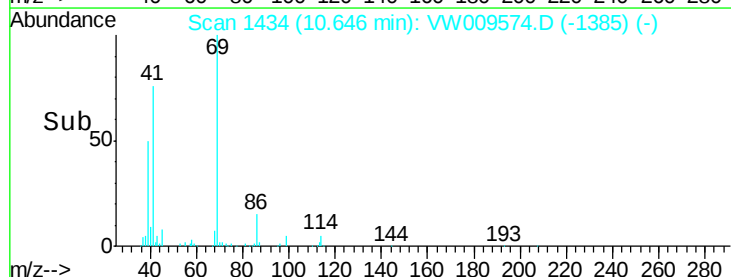
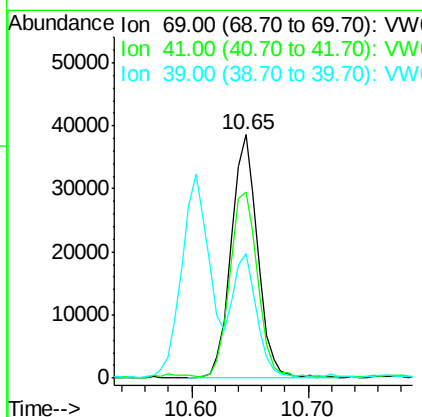
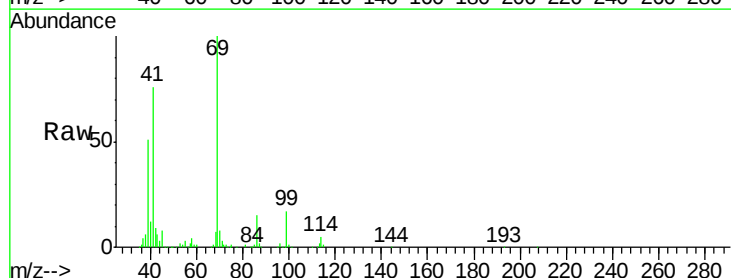
RT: 10.65 min Scan# 1434

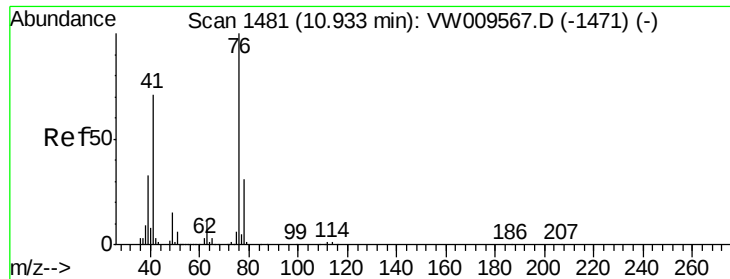
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	69	Resp:	61254
Ion	Ratio	Lower	Upper
69	100		
41	79.4	59.3	88.9
39	45.3	36.2	54.2





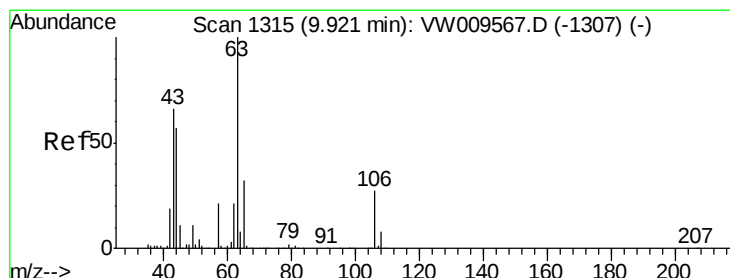
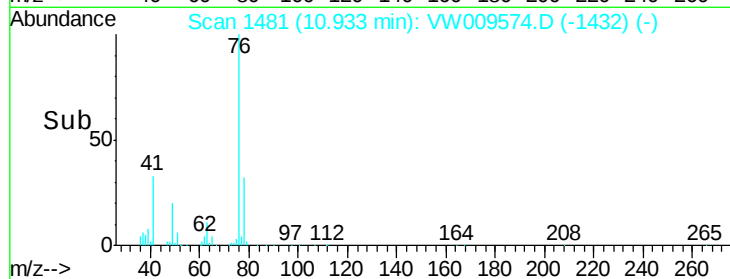
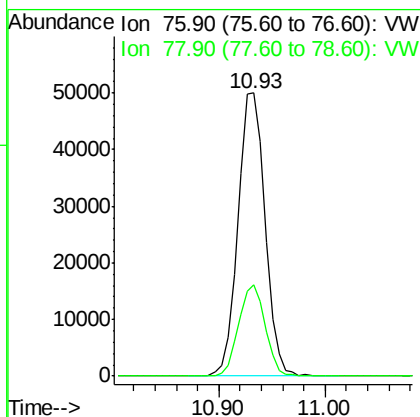
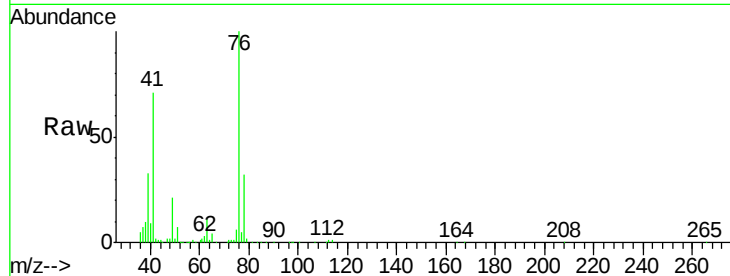
#57
 1,3-Dichloropropane
 Concen: 22.626 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.6

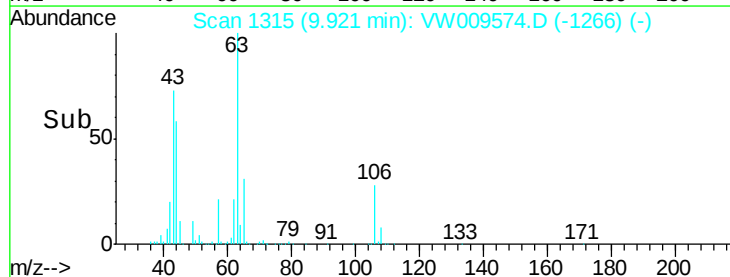
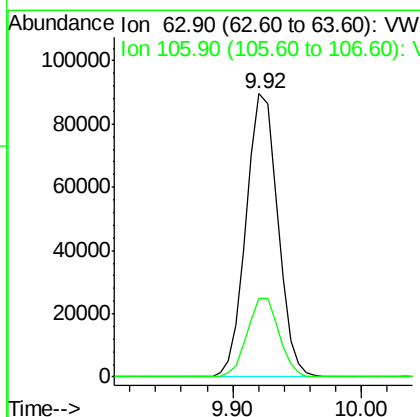
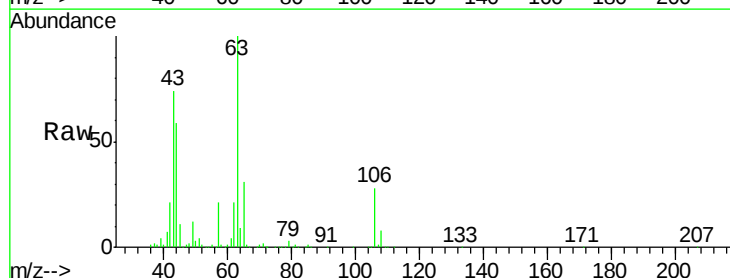
Manual Integrations
 APPROVED

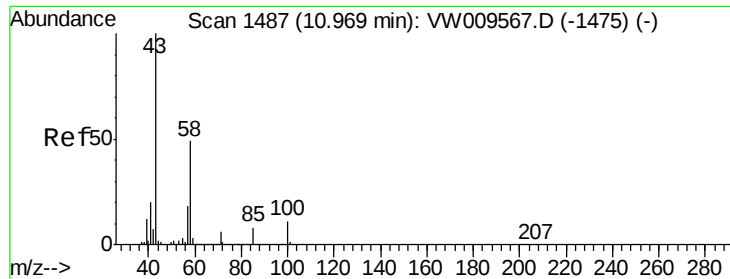
MMDadoda
 4/1/2019 4:04:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.452 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.9	34.3





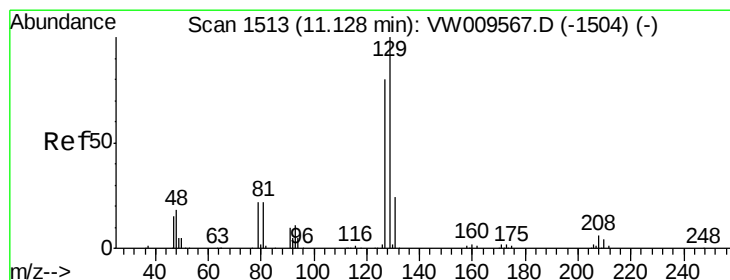
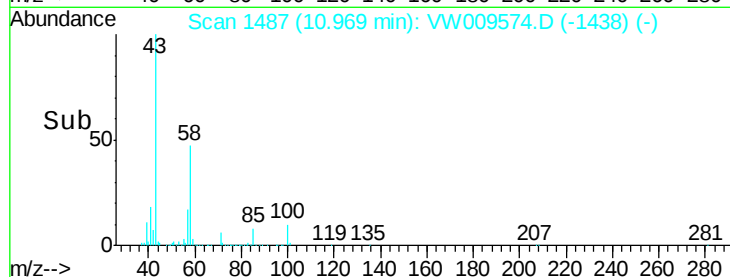
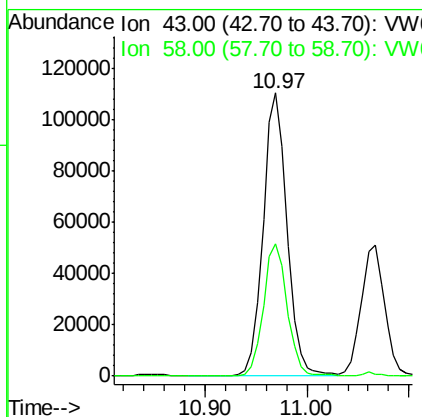
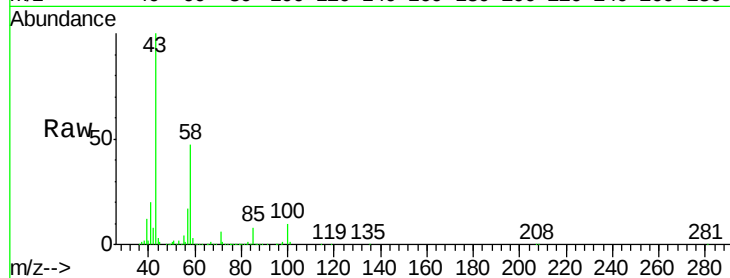
#59
2-Hexanone
Concen: 118.749 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion: 43 Resp: 179922
Ion Ratio Lower Upper
43 100
58 46.6 24.2 72.6

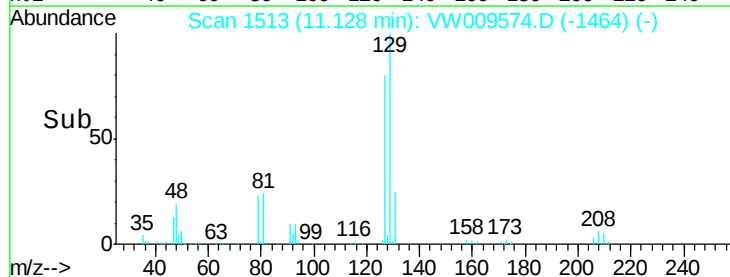
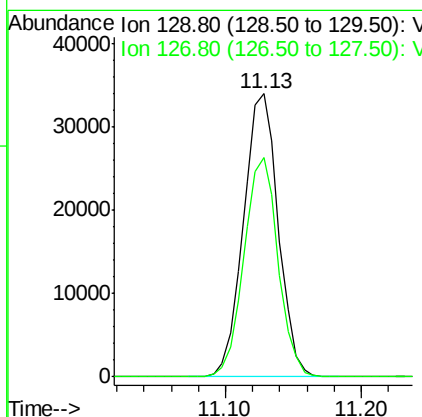
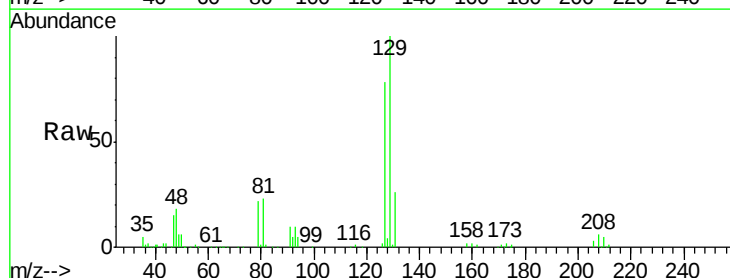
Manual Integrations
APPROVED

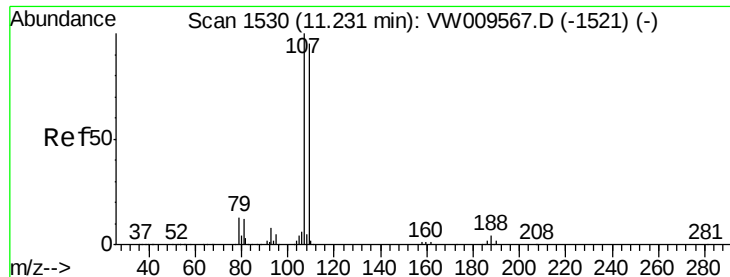
MMDadoda
4/1/2019 4:04:49 AM



#60
Dibromochloromethane
Concen: 22.529 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion: 129 Resp: 60692
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 22.313 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion: 107 Resp: 47739

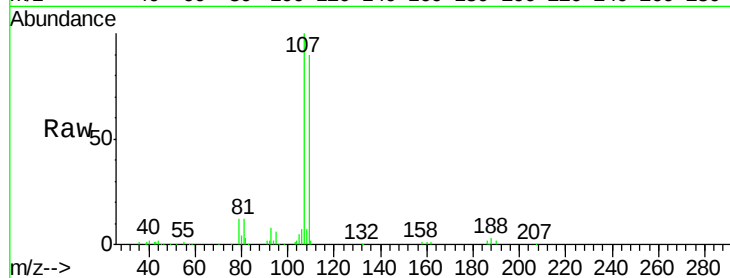
Ion Ratio Lower Upper

107 100

109 94.3 75.1 112.7

Manual Integrations
APPROVED

MMDadoda
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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

30000

25000

20000

15000

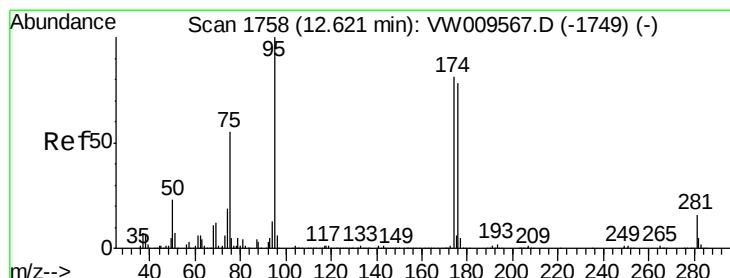
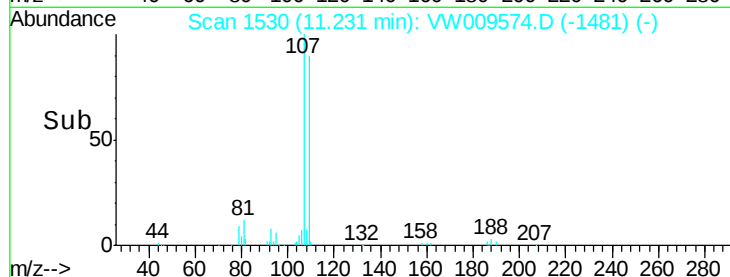
10000

5000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 53.409 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

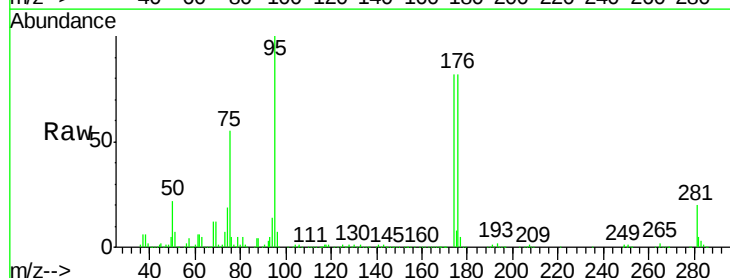
Tgt Ion: 95 Resp: 196525

Ion Ratio Lower Upper

95 100

174 81.5 0.0 168.4

176 79.7 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

150000

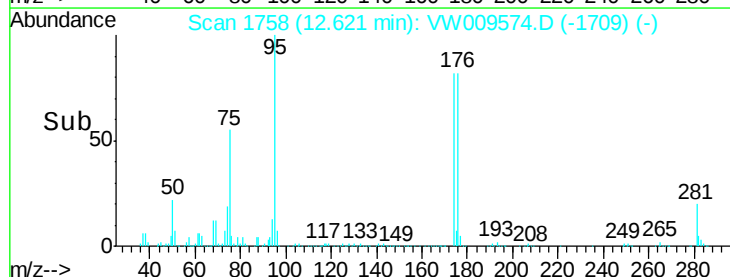
100000

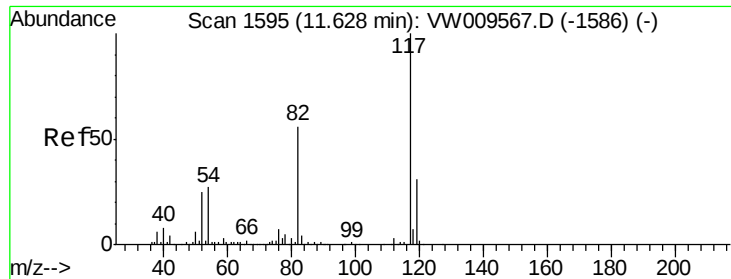
50000

0

Time-->

12.60 12.70





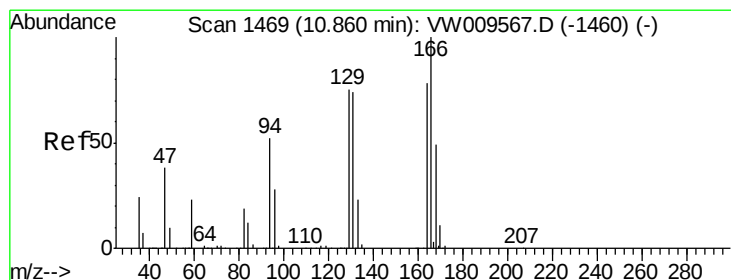
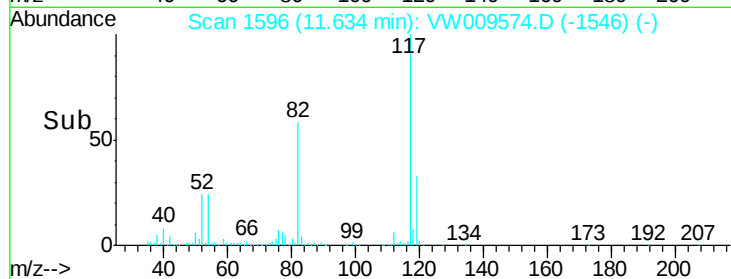
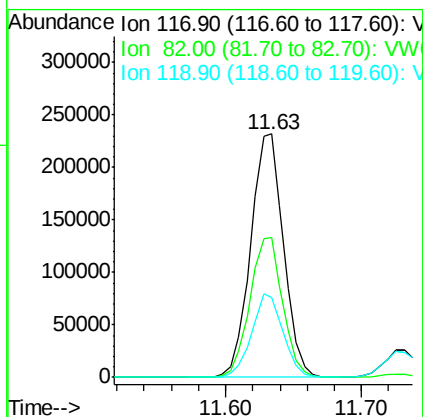
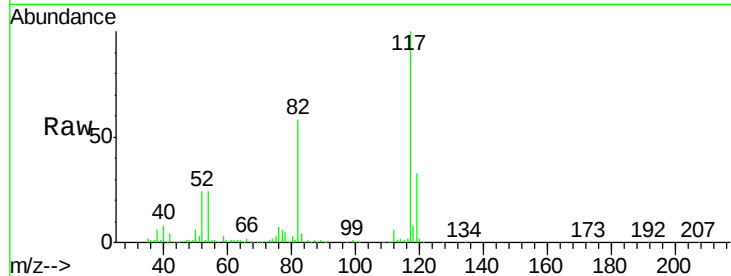
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	393141		
82	57.7	43.6	65.4	
119	32.8	26.0	39.0	

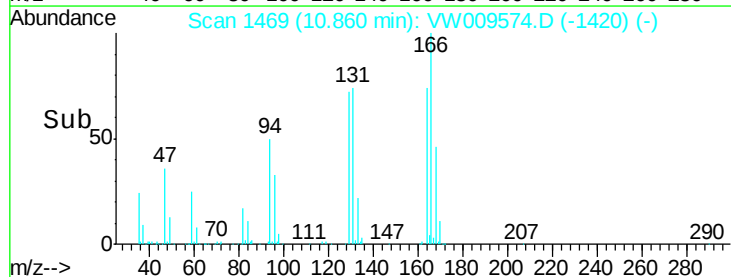
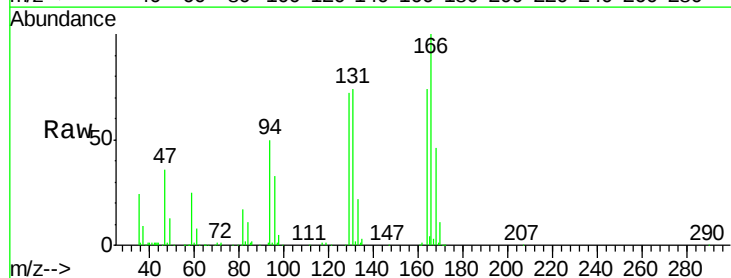
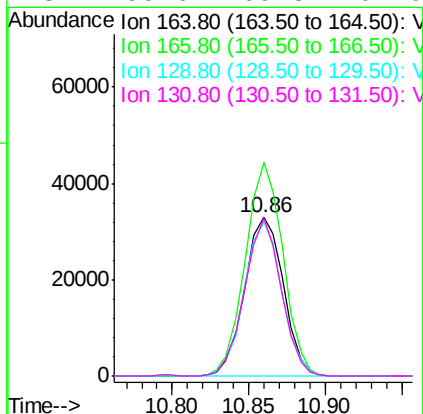
Manual Integrations
APPROVED

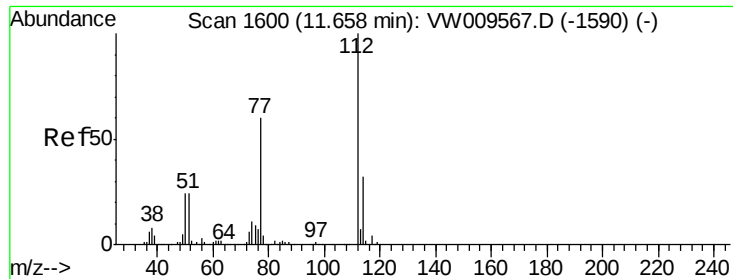
MMDadoda
4/1/2019 4:04:49 AM



#64
Tetrachloroethene
Concen: 21.797 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58182		
166	135.0	100.9	151.3	
129	97.0	72.0	108.0	
131	99.6	69.8	104.6	





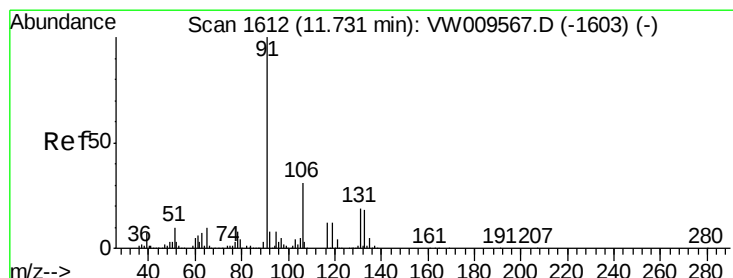
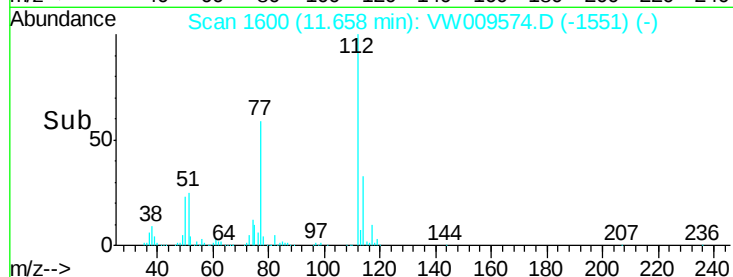
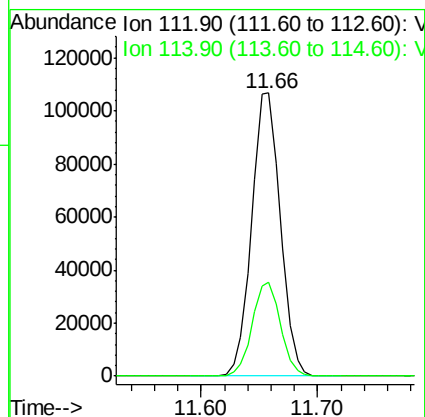
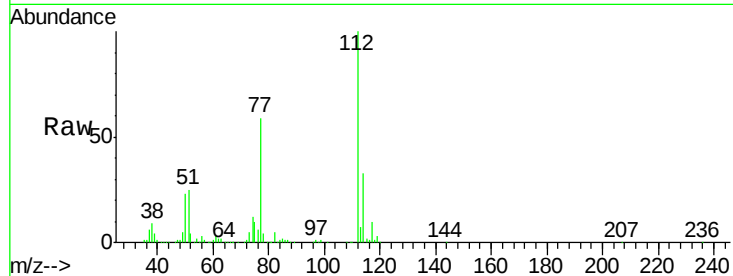
#65
Chlorobenzene
Concen: 22.161 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion:112 Resp: 183493
Ion Ratio Lower Upper
112 100
114 33.0 25.6 38.4

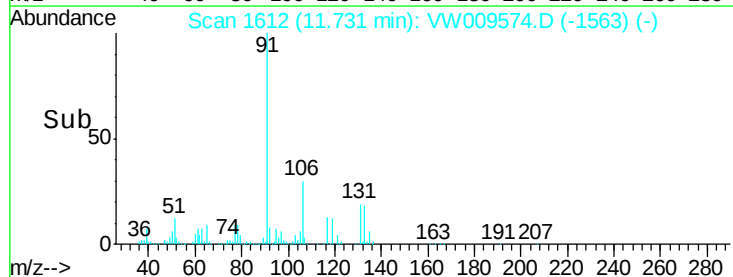
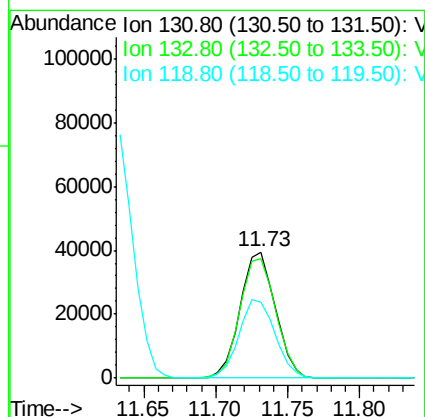
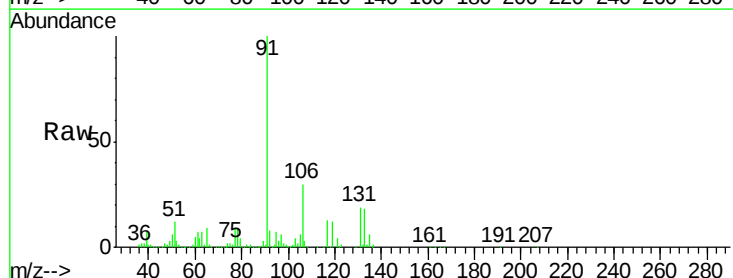
Manual Integrations
APPROVED

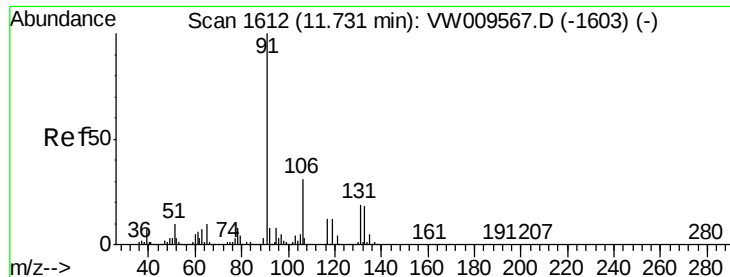
MMDadoda
4/1/2019 4:04:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.160 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:131 Resp: 66855
Ion Ratio Lower Upper
131 100
133 97.1 47.3 141.8
119 64.4 31.6 95.0





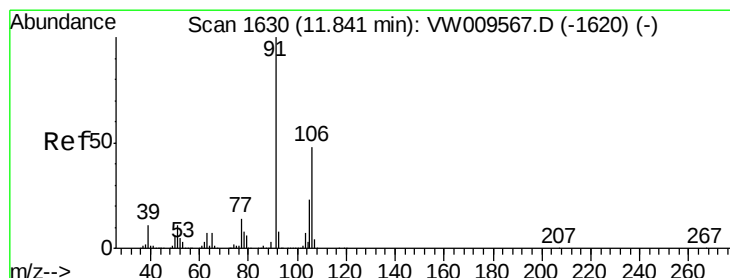
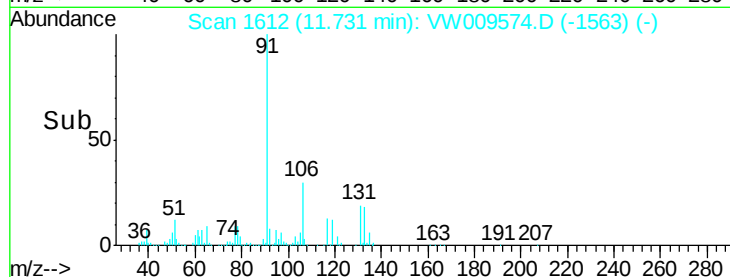
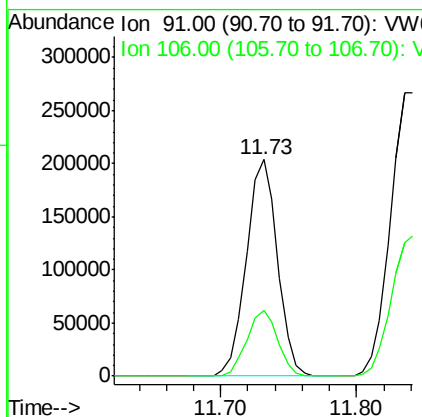
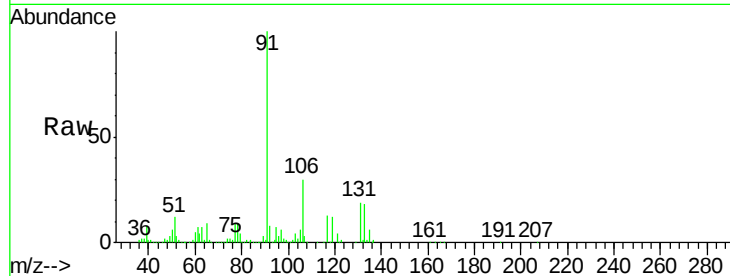
#67
Ethyl Benzene
Concen: 22.398 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.1	24.6	36.8	

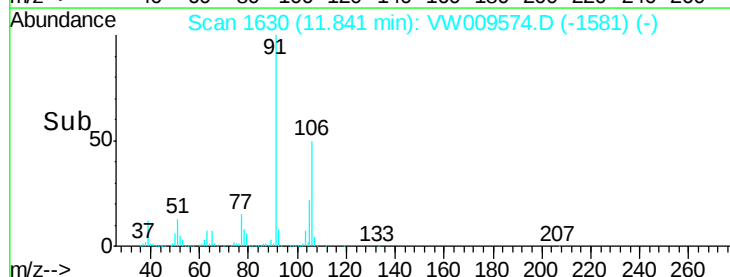
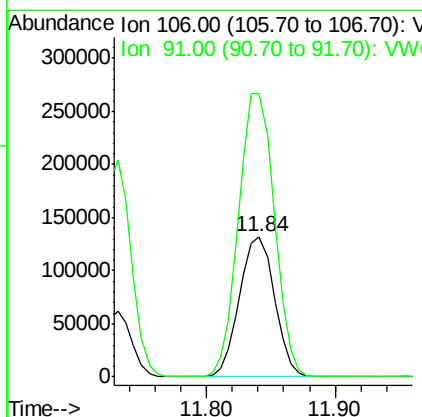
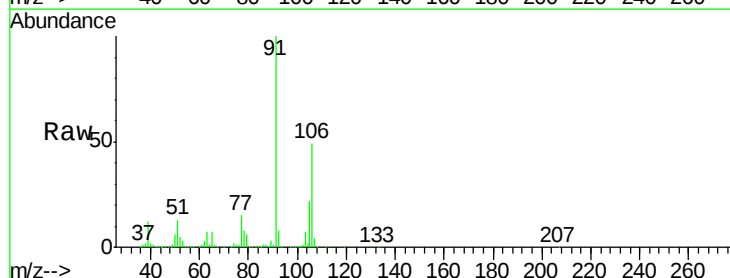
Manual Integrations
APPROVED

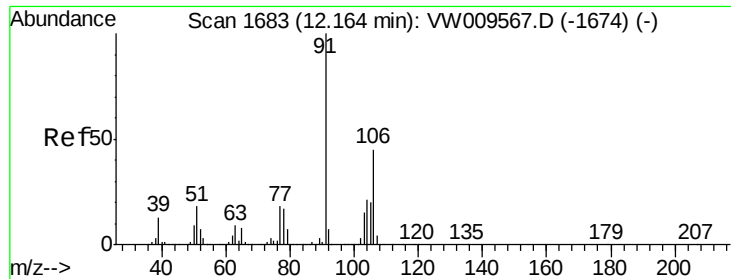
MMDadoda
4/1/2019 4:04:49 AM



#68
m/p-Xylenes
Concen: 45.086 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.5	163.1	244.7	





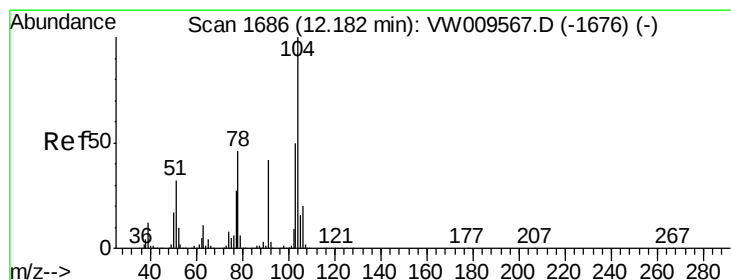
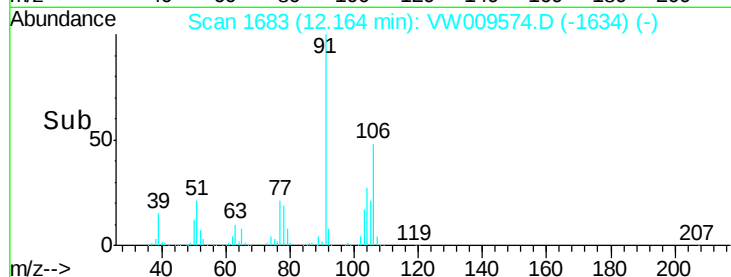
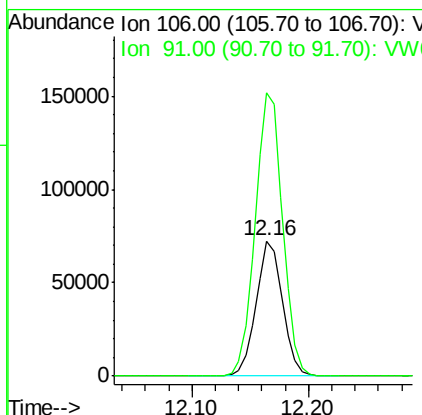
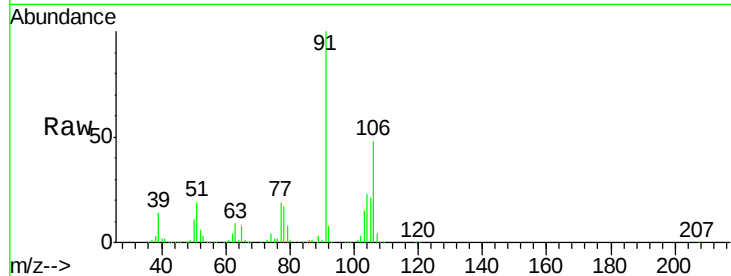
#69
o-Xylene
Concen: 22.191 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	114471		
91	91	218.0	108.6	325.8	

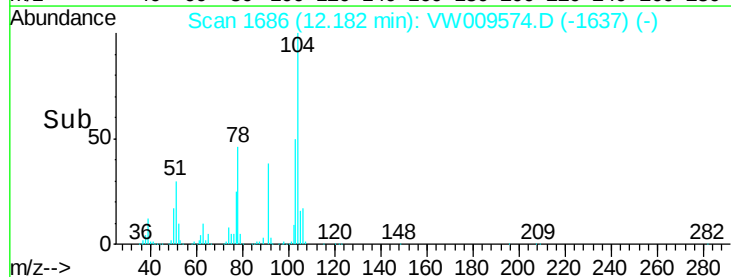
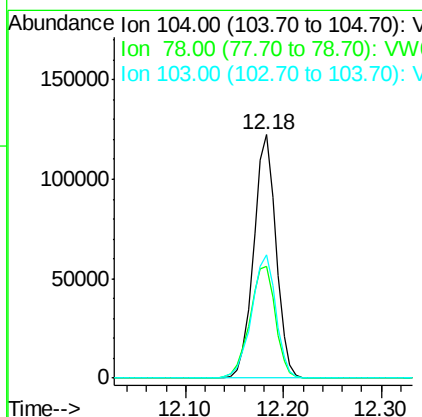
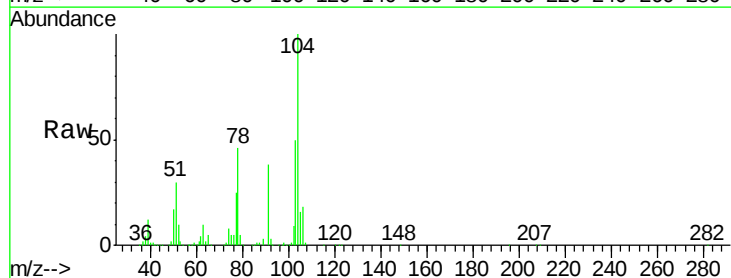
Manual Integrations
APPROVED

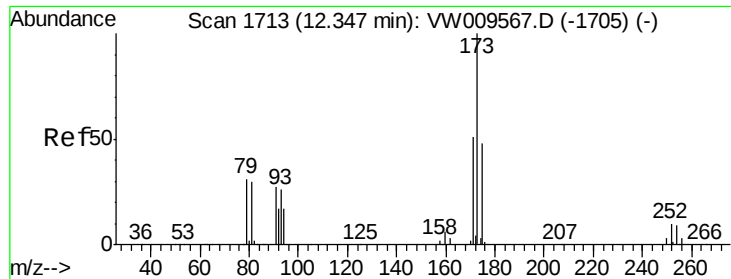
MMDadoda
4/1/2019 4:04:49 AM



#70
Styrene
Concen: 22.589 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	194633		
78	78	52.7	42.2	63.4	
103	103	55.2	44.6	66.8	





#71

Bromoform

Concen: 22.764 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion:173 Resp: 36959

Ion Ratio Lower Upper

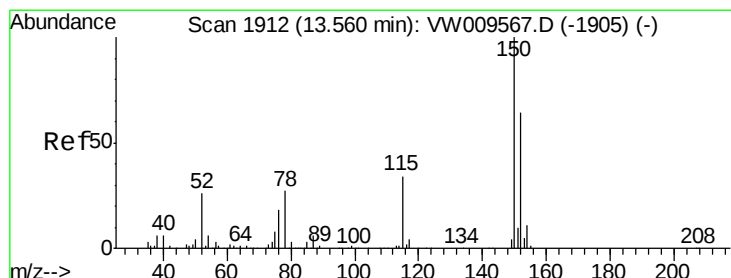
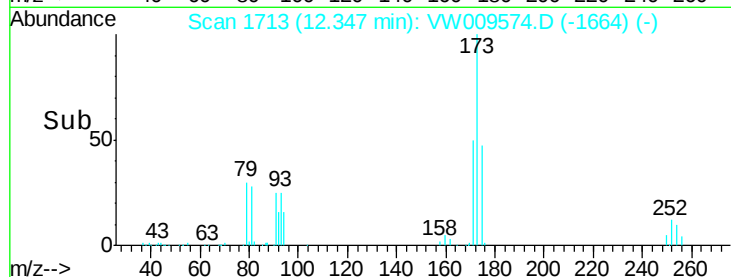
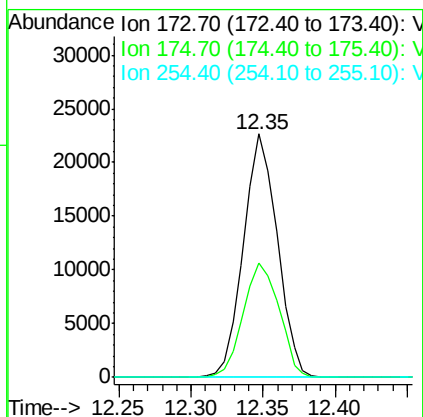
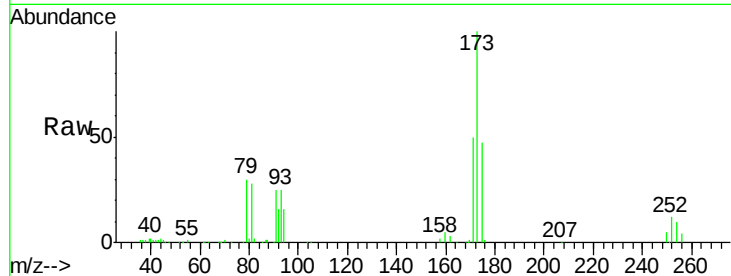
173 100

175 49.8 24.1 72.4

254 0.0 0.2 0.4#

Manual Integrations
APPROVED

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4/1/2019 4:04:49 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

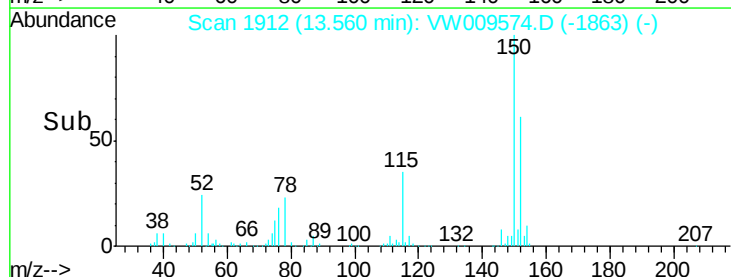
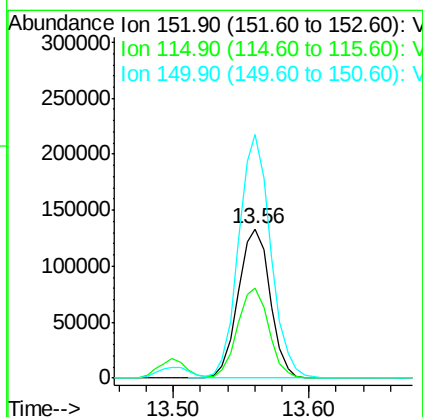
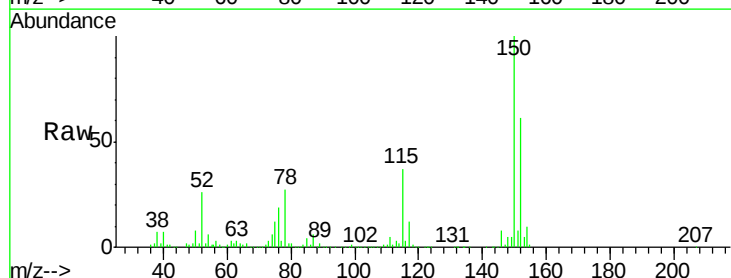
Tgt Ion:152 Resp: 218518

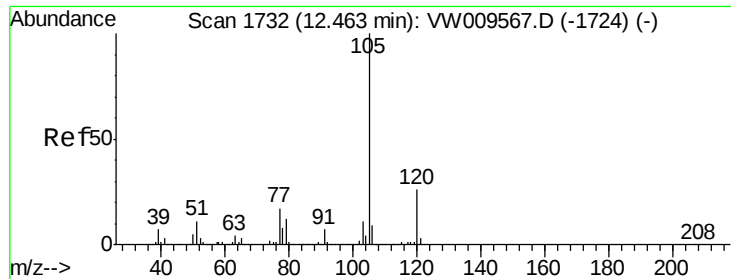
Ion Ratio Lower Upper

152 100

115 59.0 29.6 88.8

150 163.6 0.0 349.2





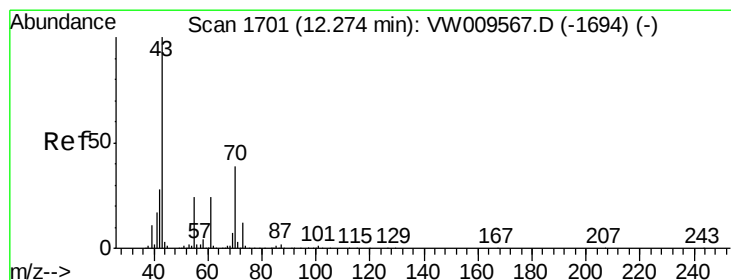
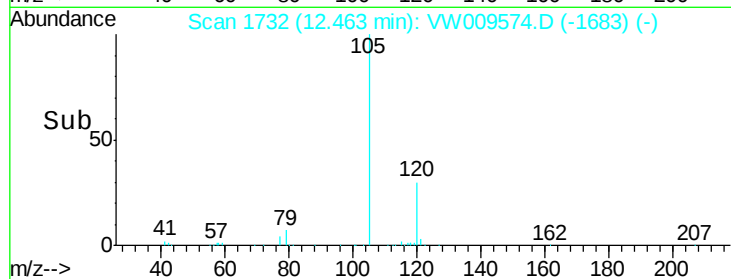
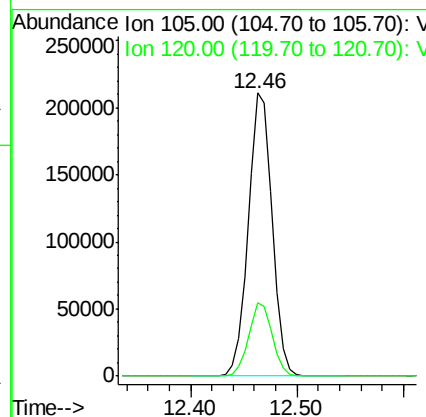
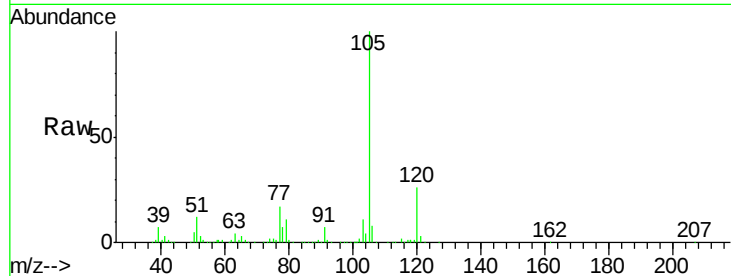
#73
Isopropylbenzene
Concen: 21.725 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.0	39.0

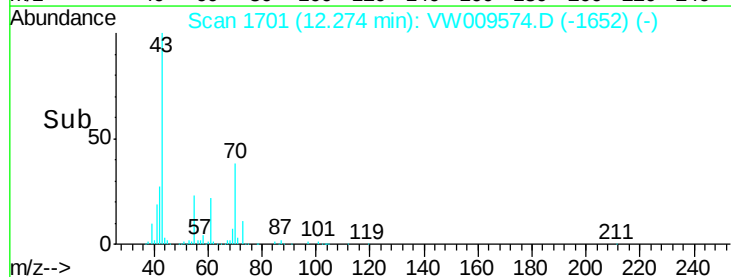
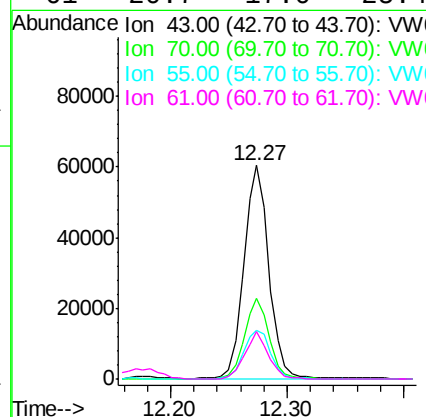
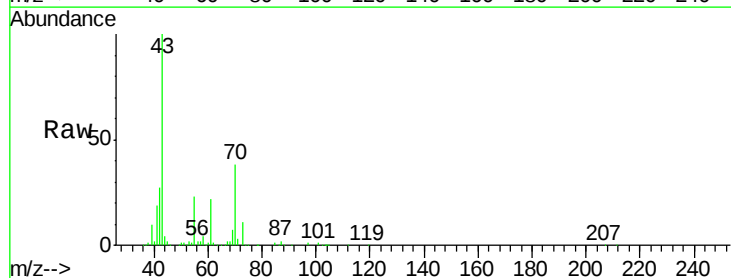
Manual Integrations
APPROVED

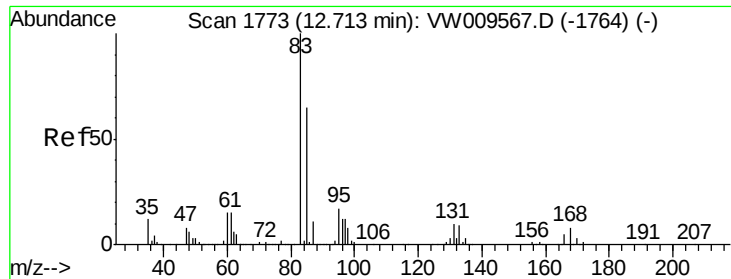
MMDadoda
4/1/2019 4:04:49 AM



#74
N-ethyl acetate
Concen: 22.489 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	30.6	46.0
55	24.8	19.3	28.9
61	20.7	17.0	25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.655 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

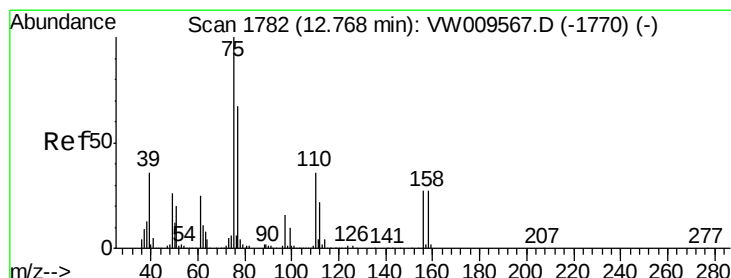
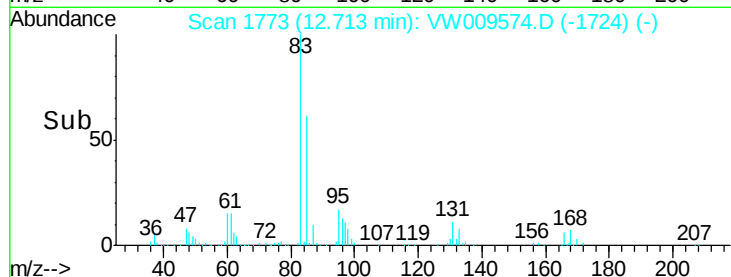
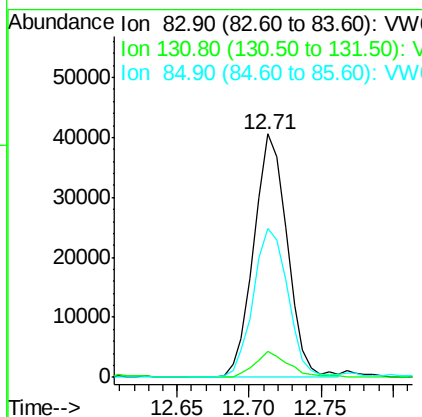
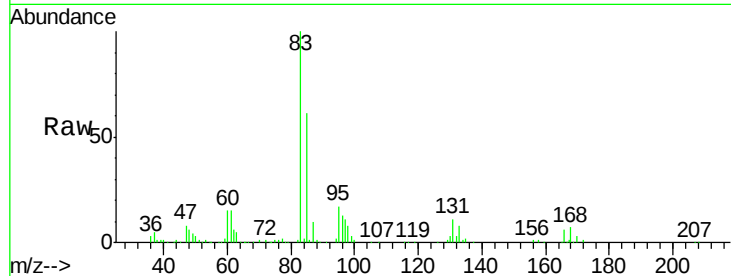
ClientSampleId :

VW0329SBS01

Tot Ion:	83	Resp:	65153
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	63.4	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 11.354 ug/l m

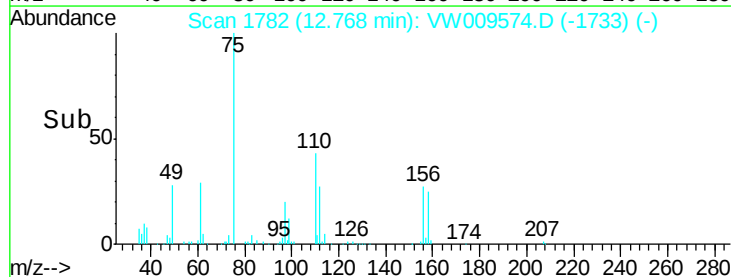
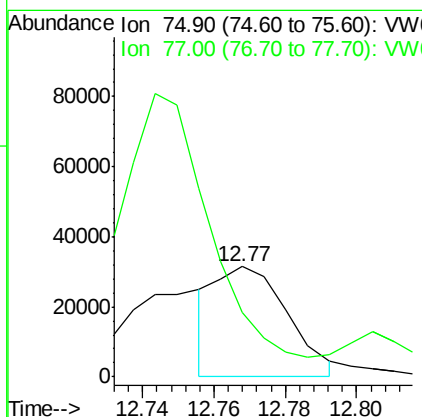
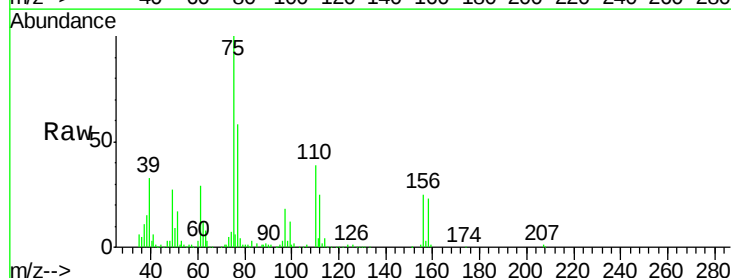
RT: 12.77 min Scan# 1782

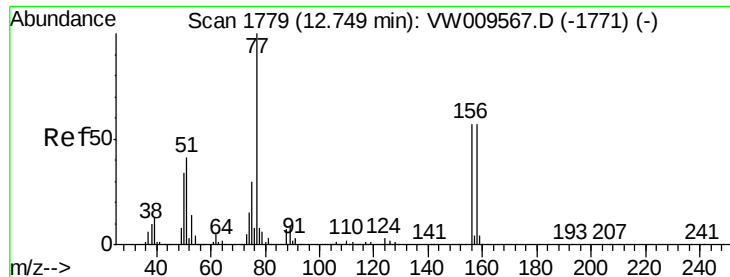
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	75	Resp:	43953
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.617 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

ClientSampleId :

VW0329SBS01

Tot Ion:156 Resp: 75703

Ion Ratio Lower Upper

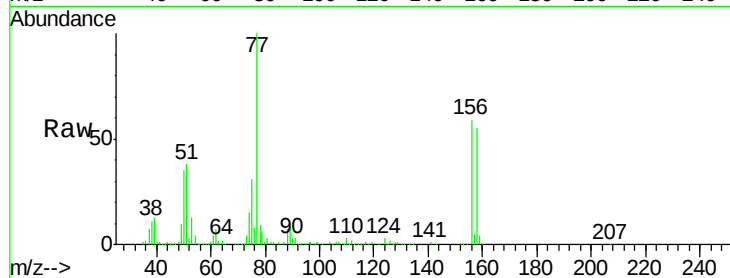
156 100

77 196.2 96.0 288.0

158 95.8 49.1 147.3

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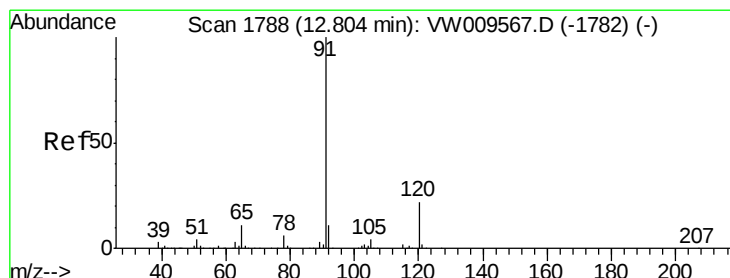
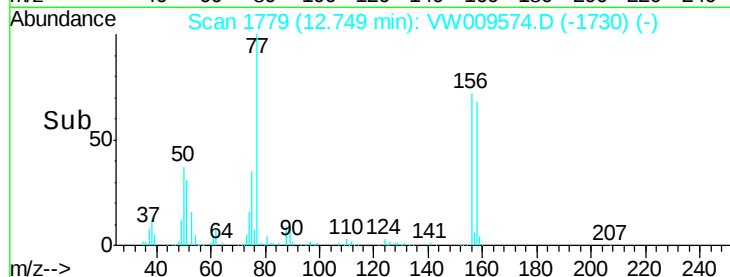
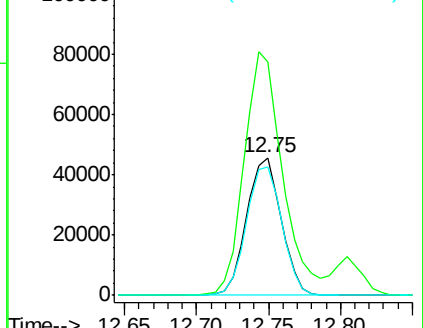
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.192 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009574.D

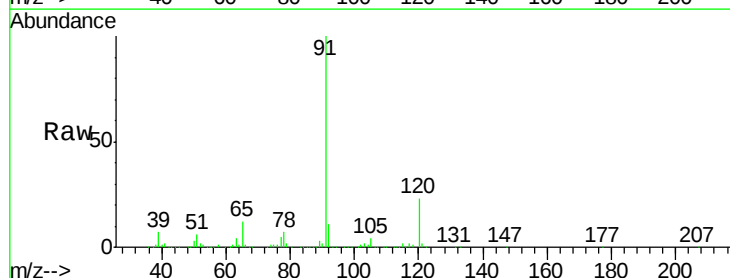
Acq: 29 Mar 2019 16:25

Tgt Ion: 91 Resp: 416154

Ion Ratio Lower Upper

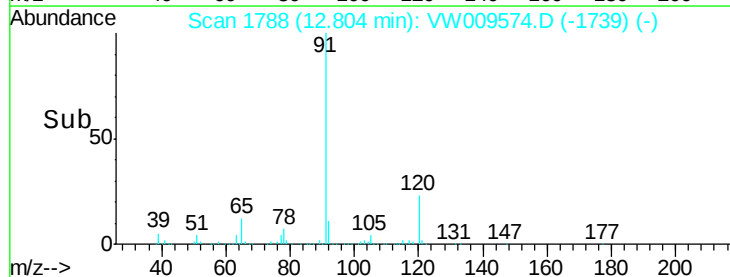
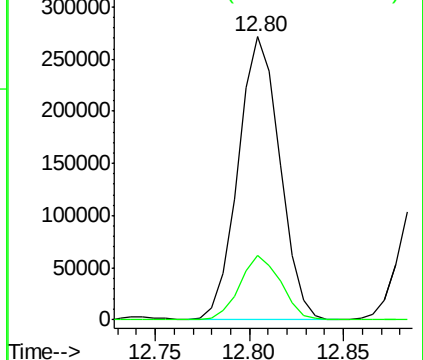
91 100

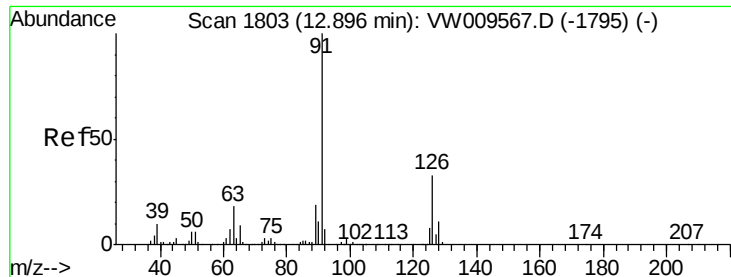
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





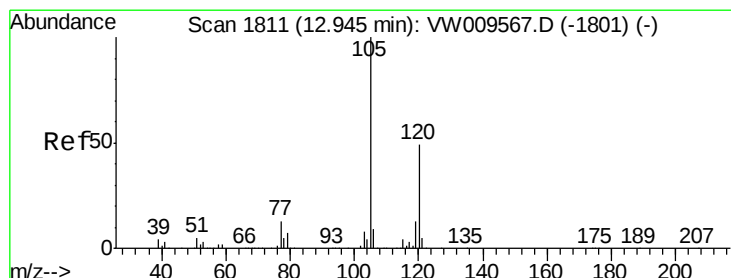
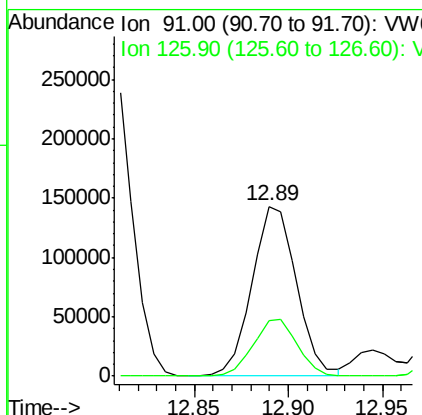
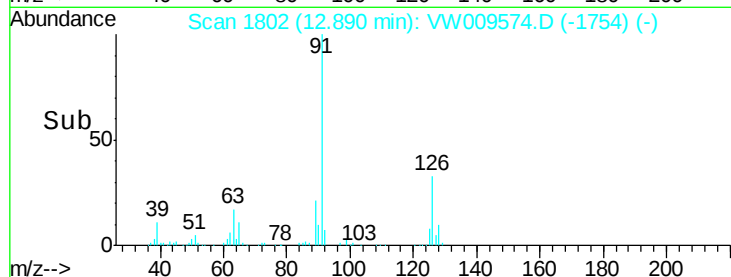
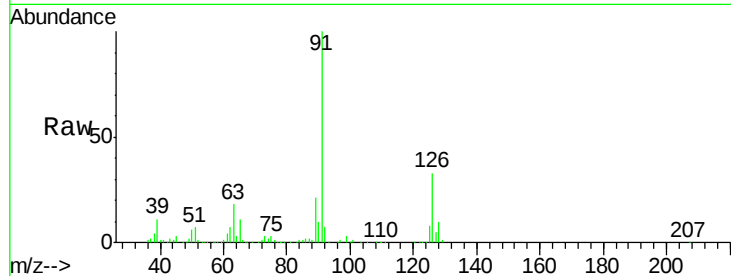
#79
2-Chlorotoluene
Concen: 21.935 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion: 91 Resp: 233754
Ion Ratio Lower Upper
91 100
126 33.4 17.0 51.0

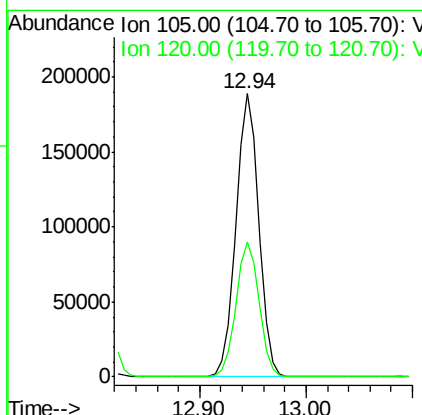
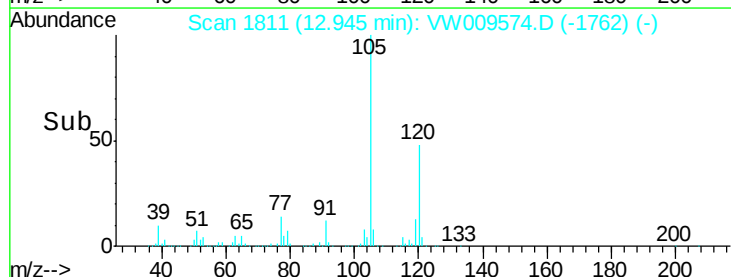
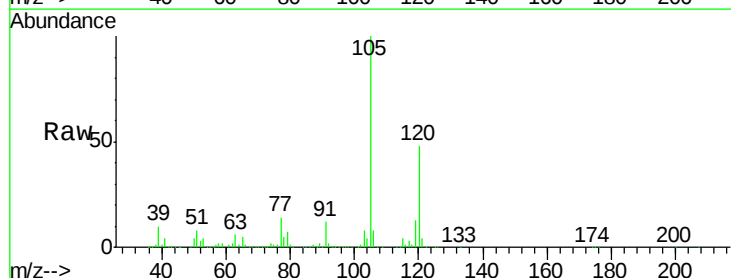
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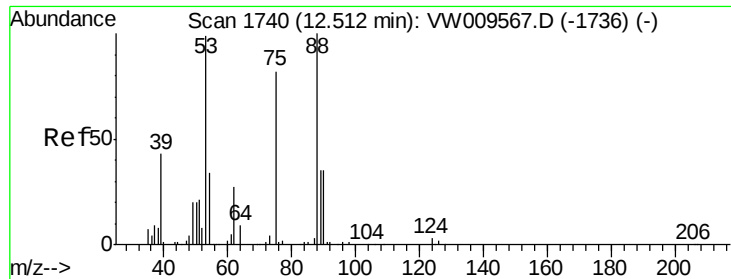
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#80
1,3,5-Trimethylbenzene
Concen: 22.171 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion:105 Resp: 283944
Ion Ratio Lower Upper
105 100
120 48.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.828 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

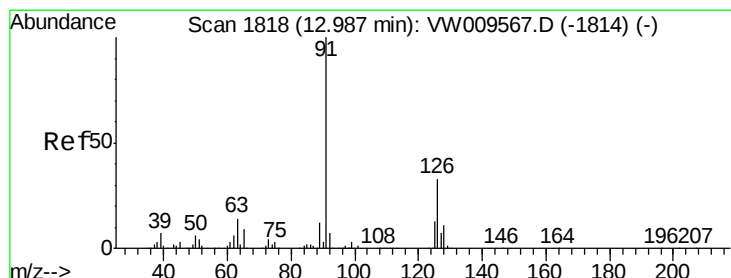
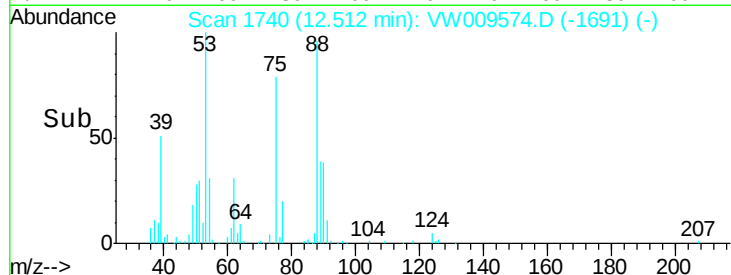
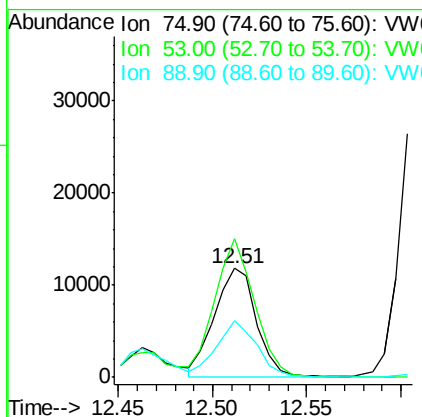
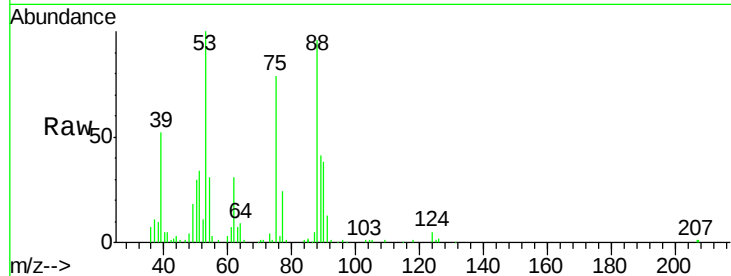
ClientSampleId :

VW0329SBS01

Tot Ion:	75	Resp:	18405
Ion	Ratio	Lower	Upper
75	100		
53	120.1	86.7	130.1
89	50.0	36.4	54.6

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#82

4-Chlorotoluene

Concen: 22.033 ug/l

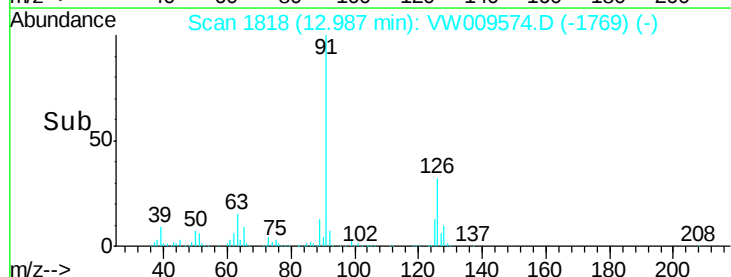
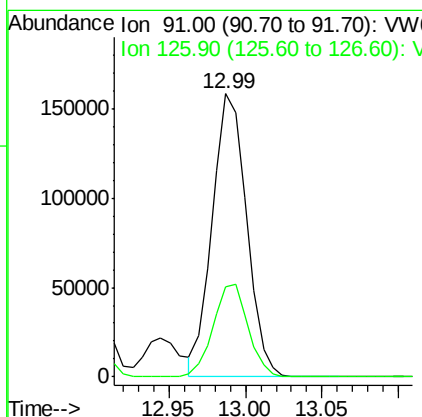
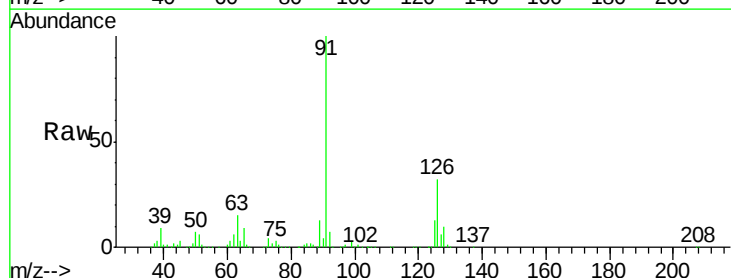
RT: 12.99 min Scan# 1818

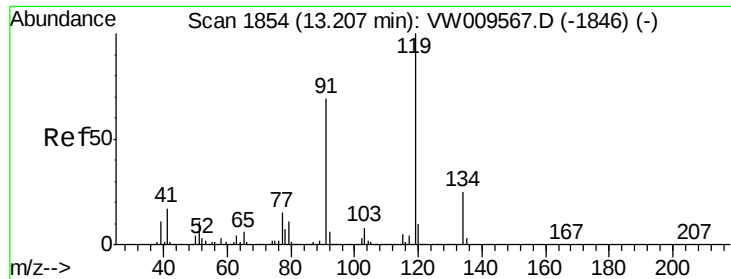
Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	91	Resp:	247106
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.9	50.6





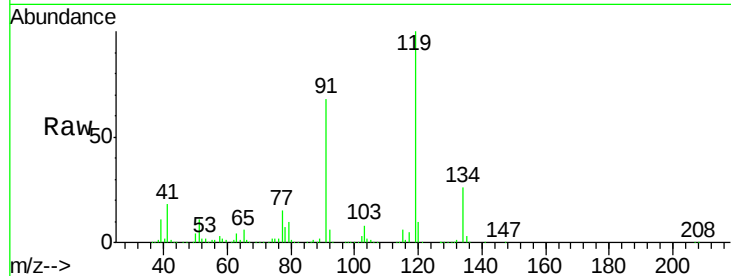
#83
tert-Butylbenzene
Concen: 22.081 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

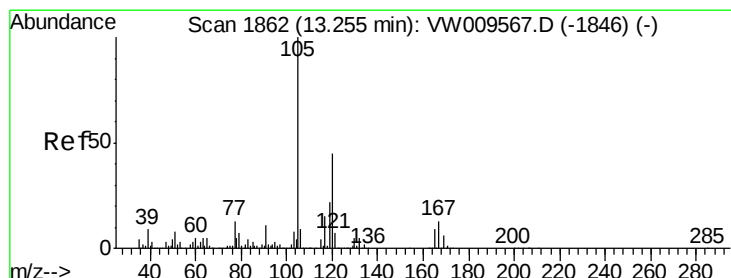
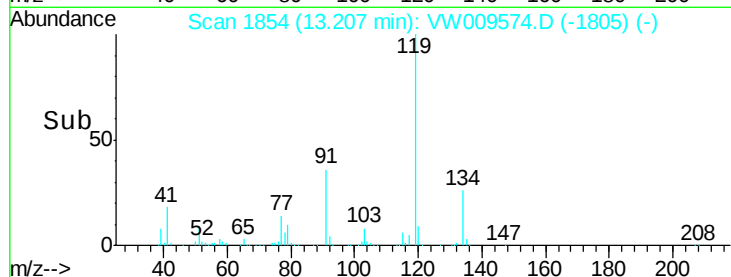
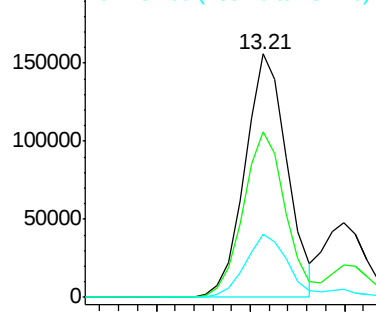
Tot Ion	Ratio	Resp	Lower	Upper
119	100	240726		
91	69.2		34.4	103.2
134	26.0		12.7	38.1

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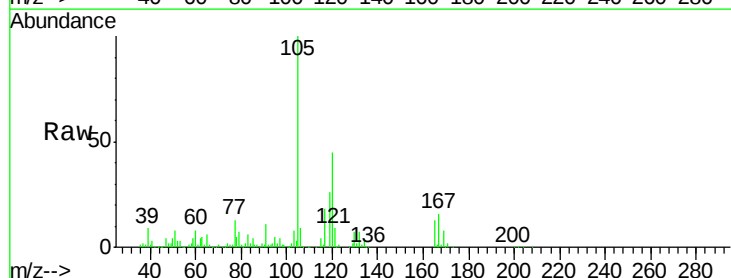


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70): V

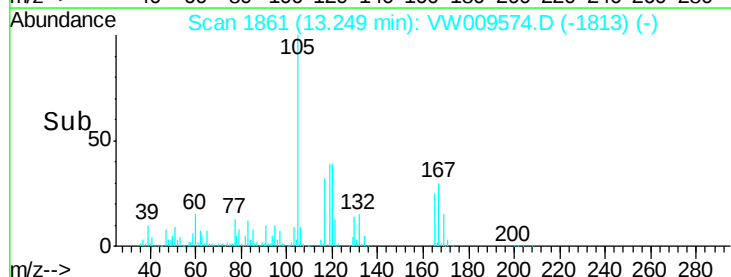
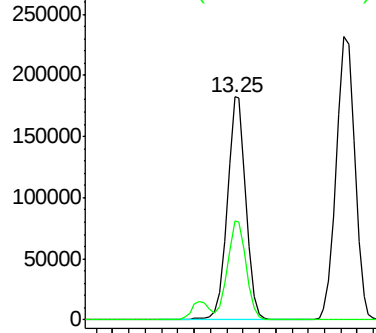


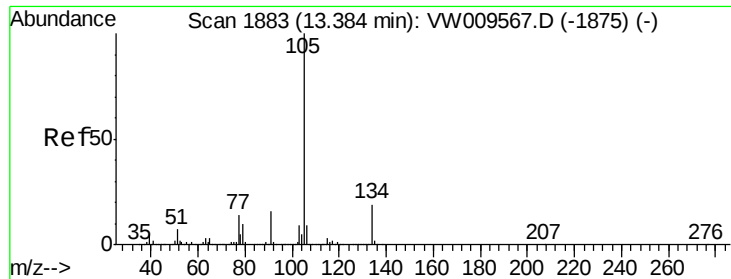
#84
1,2,4-Trimethylbenzene
Concen: 22.274 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293250		
120	44.6		22.8	68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





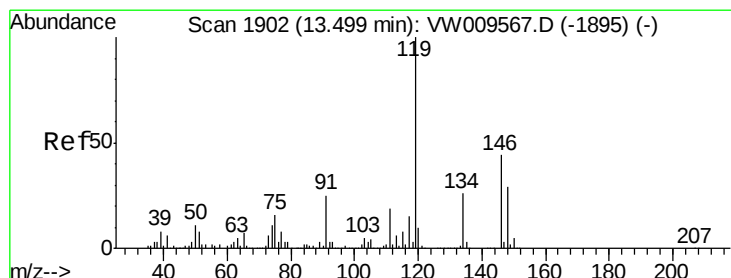
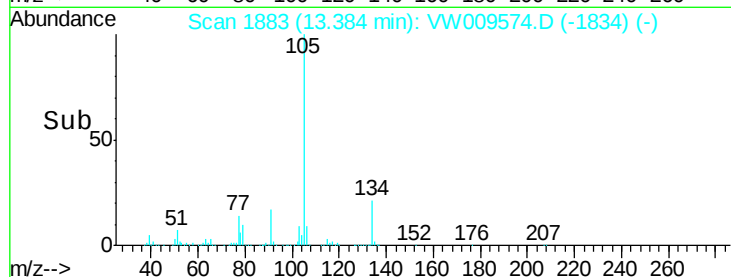
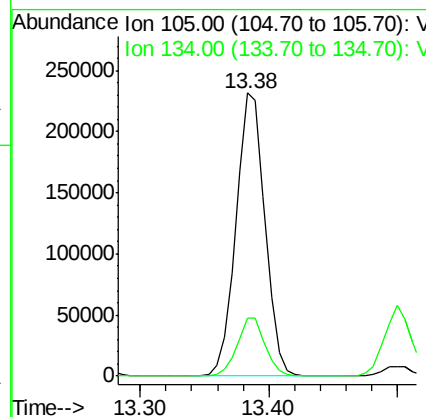
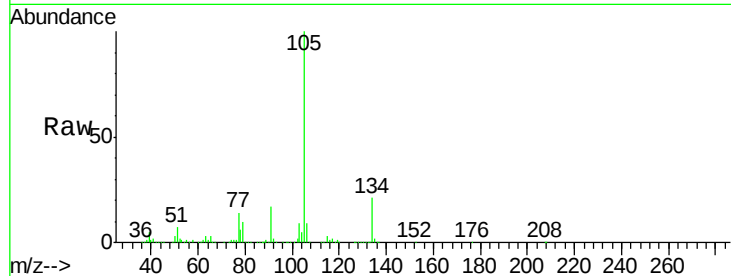
#85
 sec-Butylbenzene
 Concen: 21.975 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.2	30.6

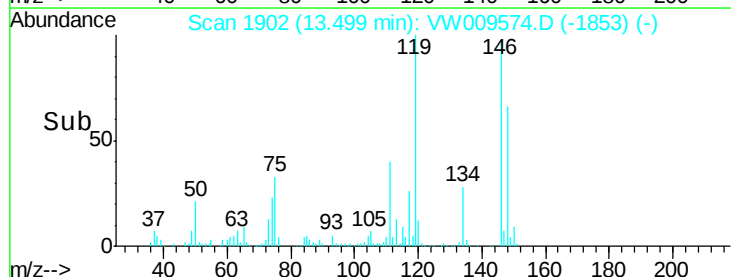
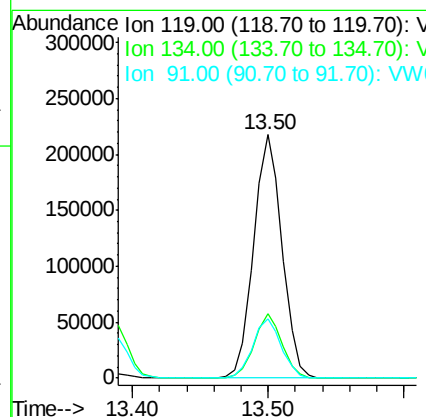
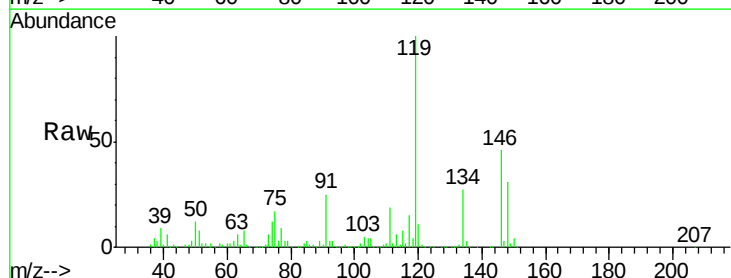
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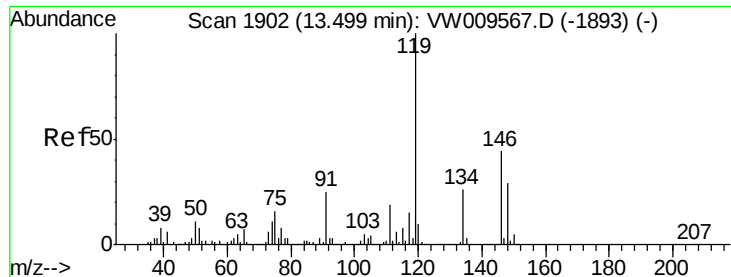
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#86
 p-Isopropyltoluene
 Concen: 22.256 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.1	39.3
91	24.5	12.3	36.8





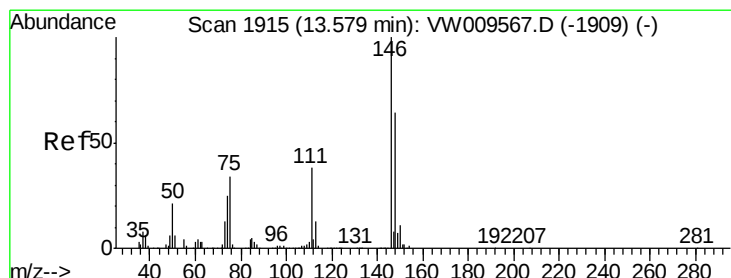
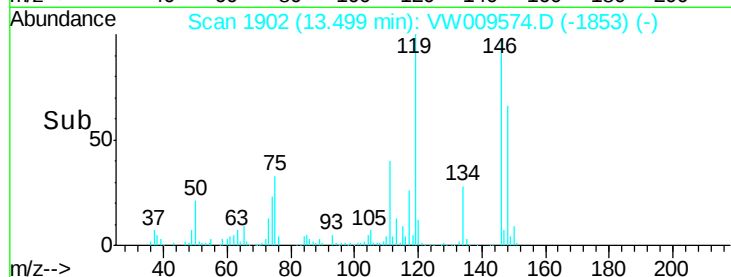
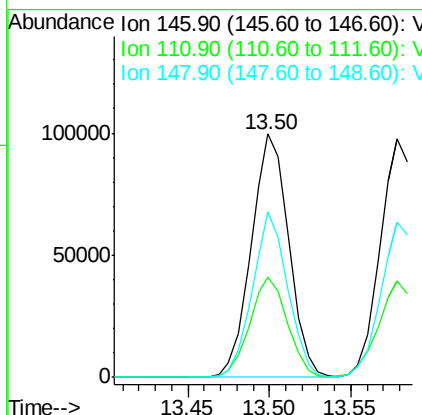
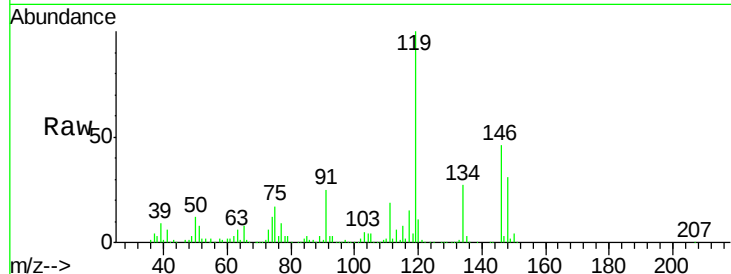
#87
 1,3-Dichlorobenzene
 Concen: 21.922 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	158511		
111	41.3	20.1	60.2	
148	64.4	31.4	94.3	

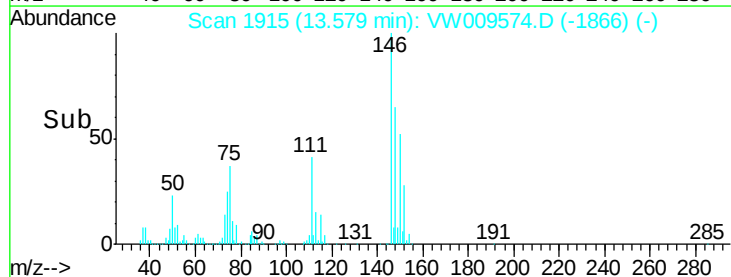
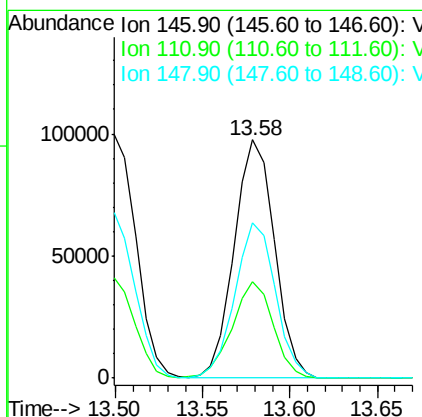
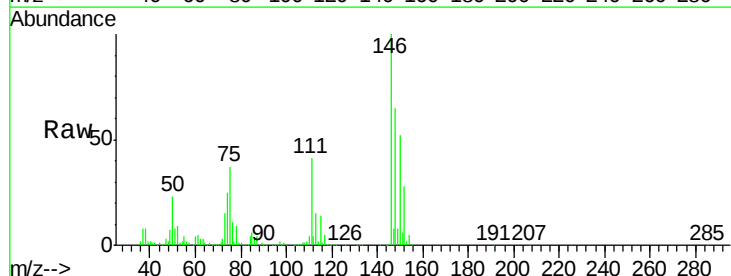
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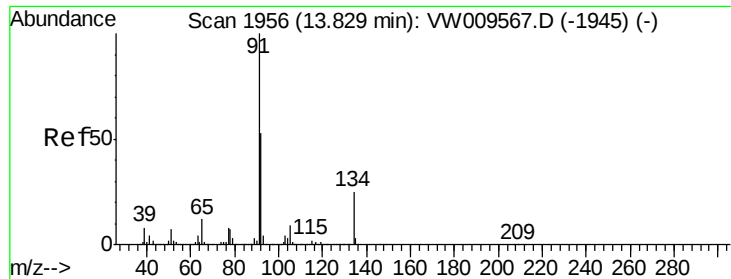
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#88
 1,4-Dichlorobenzene
 Concen: 21.687 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	156630		
111	41.1	19.9	59.6	
148	65.8	32.2	96.6	





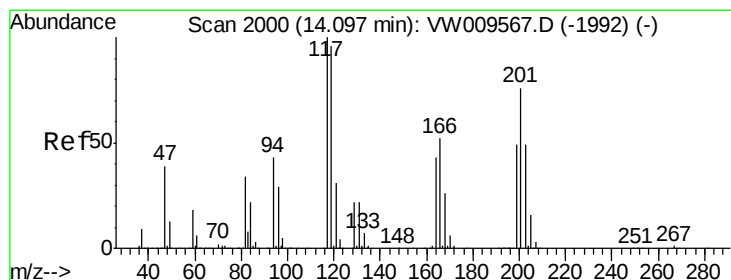
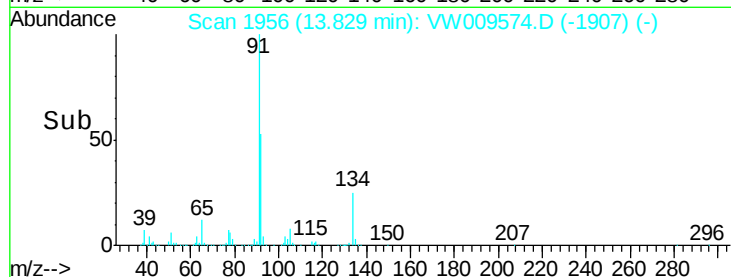
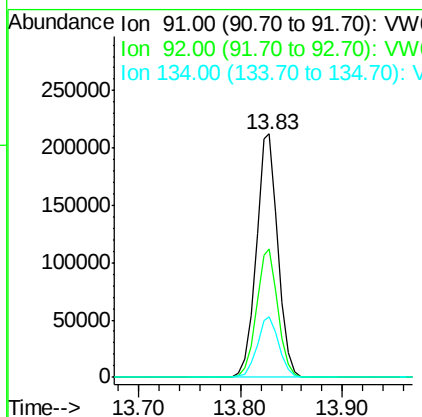
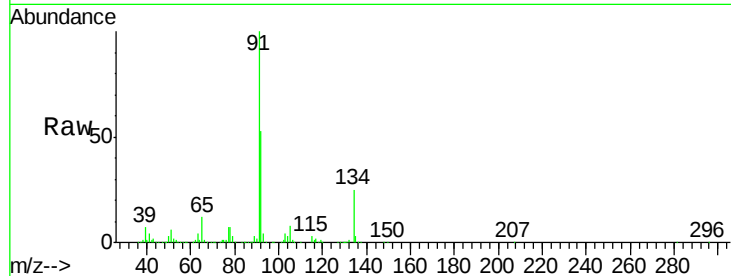
#89
n-Butylbenzene
Concen: 22.242 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Instrument :
MSVOA_W
ClientSampleId :
VW0329SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	25.1	12.9	38.6

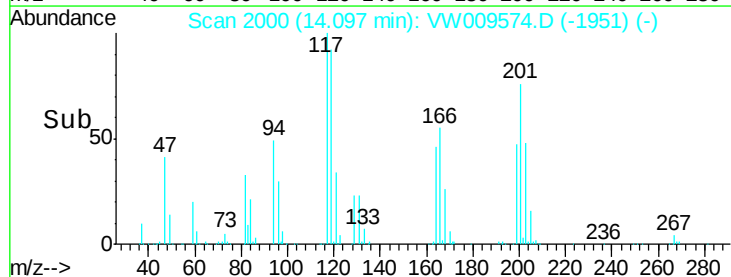
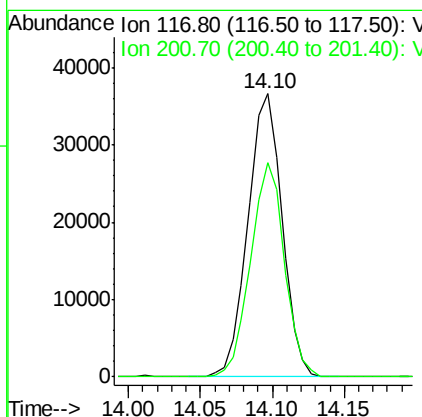
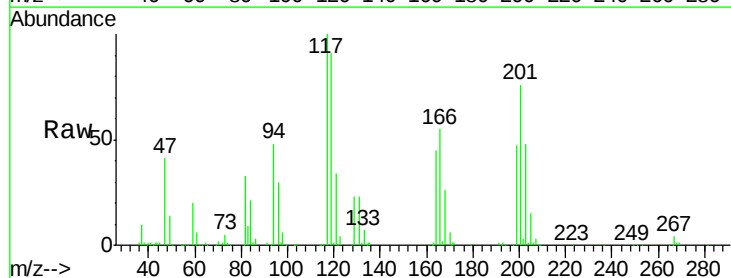
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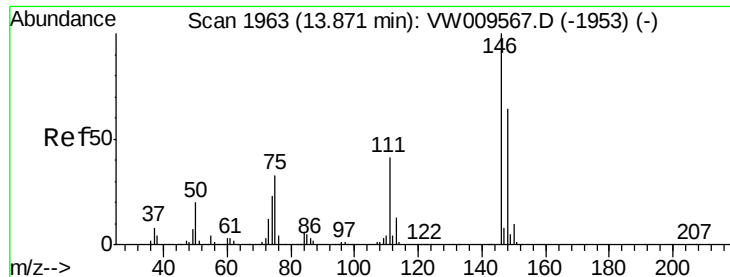
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#90
Hexachloroethane
Concen: 21.876 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009574.D
Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	38.2	114.6





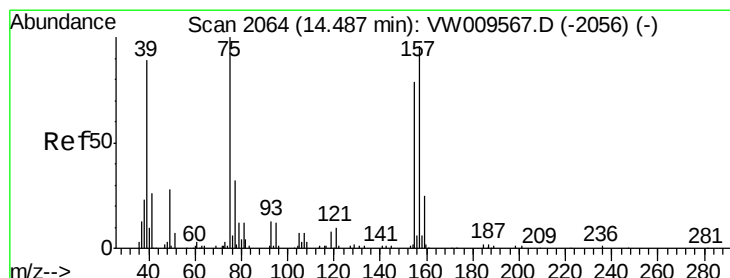
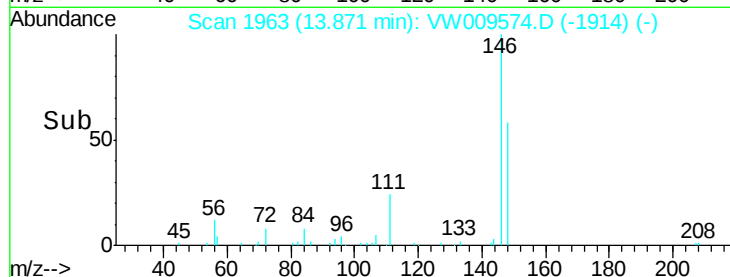
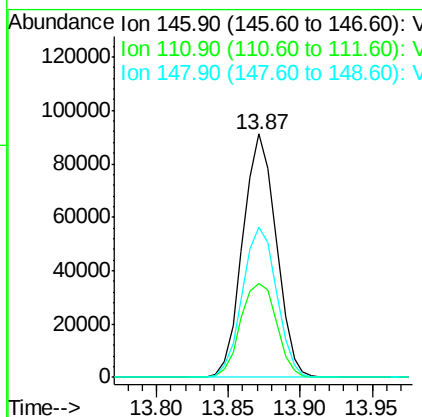
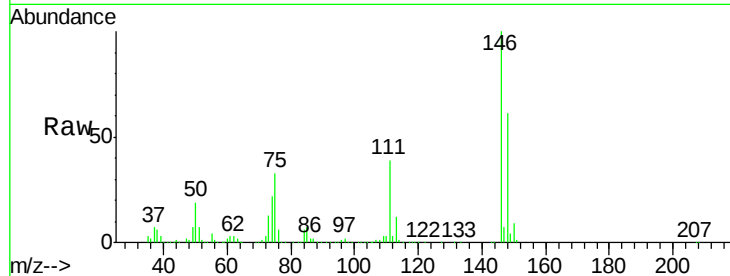
#91
 1,2-Dichlorobenzene
 Concen: 22.695 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.0	31.9	95.9

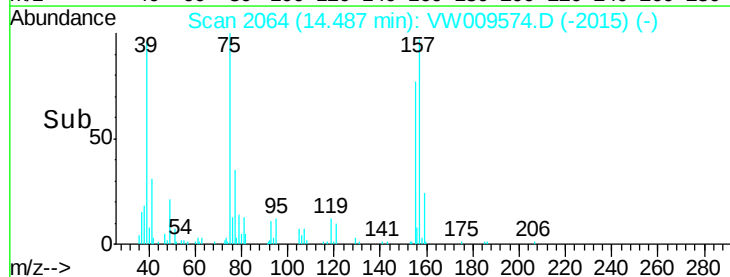
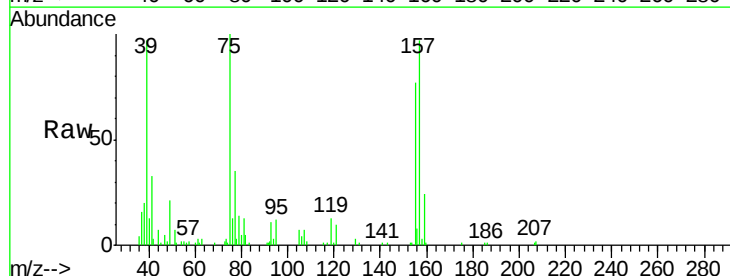
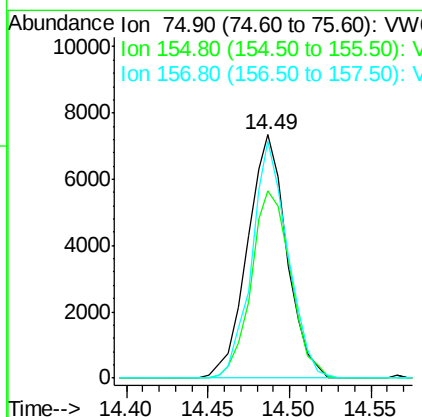
Manual Integrations
 APPROVED

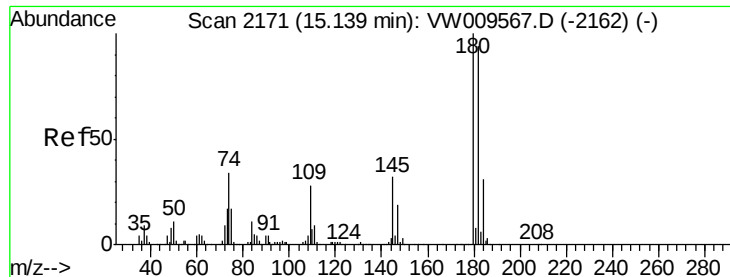
MMDadoda
 4/1/2019 4:04:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.430 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	39.3	117.8
157	89.2	49.5	148.5





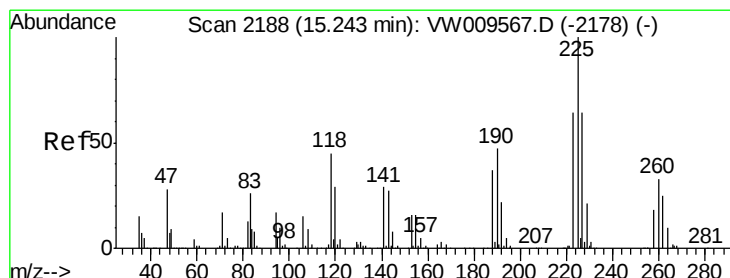
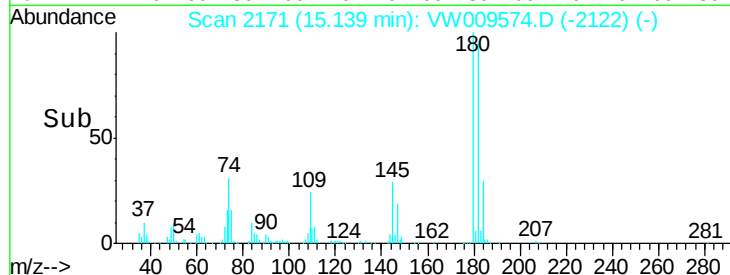
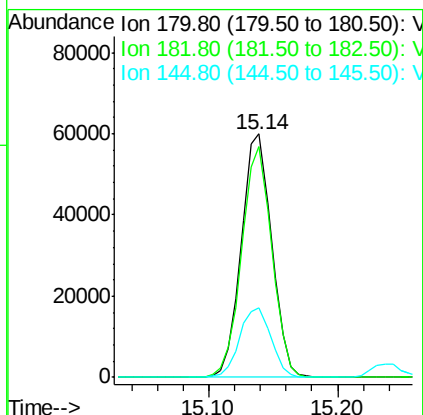
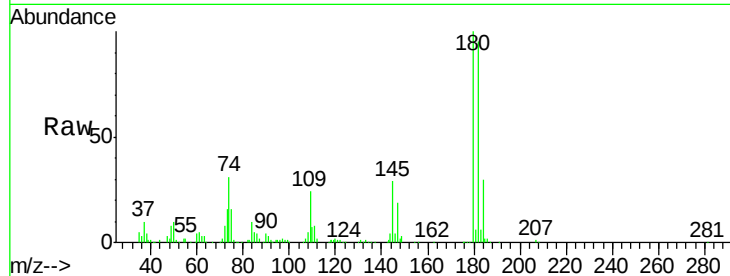
#93
 1,2,4-Trichlorobenzene
 Concen: 23.393 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0329SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.7
145	29.7	15.0	45.0

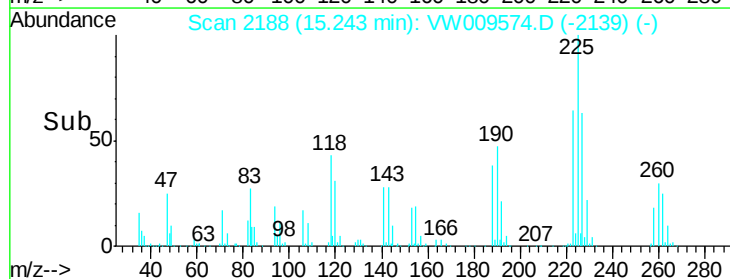
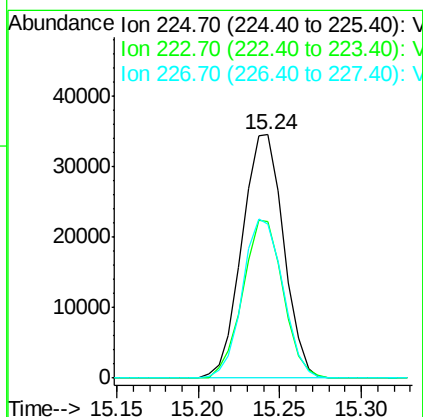
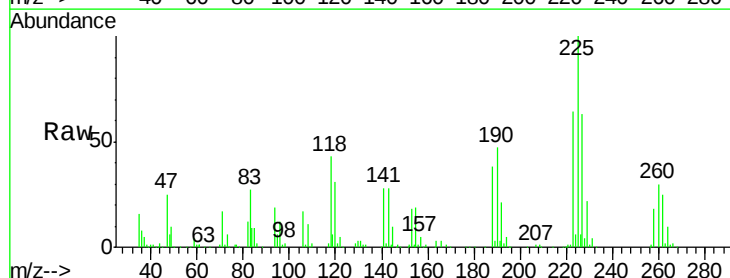
Manual Integrations
 APPROVED

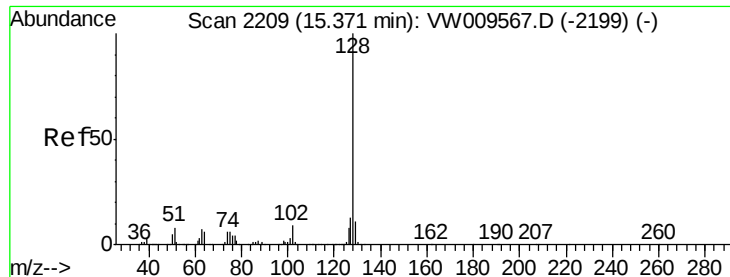
MMDadoda
 4/1/2019 4:04:49 AM



#94
 Hexachlorobutadiene
 Concen: 22.873 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW009574.D
 Acq: 29 Mar 2019 16:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.4	94.3
227	63.5	32.1	96.5





#95

Naphthalene

Concen: 21.807 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Instrument :

MSVOA_W

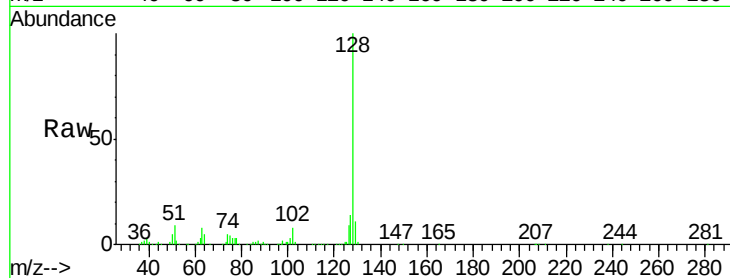
ClientSampleId :

VW0329SBS01

Tot Ion:	128	Resp:	170815
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

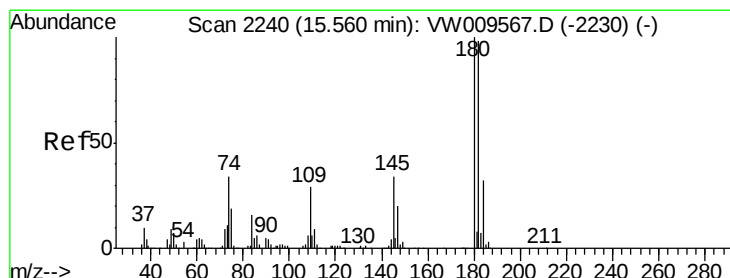
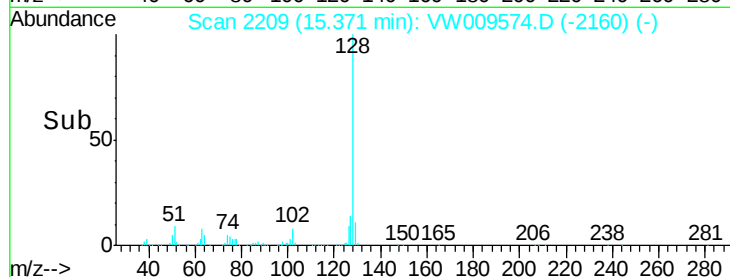
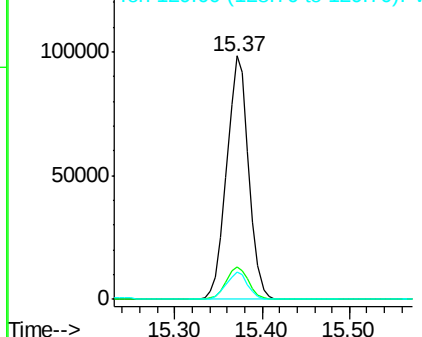
MMDadoda
4/1/2019 4:04:49 AM



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: 23.034 ug/l

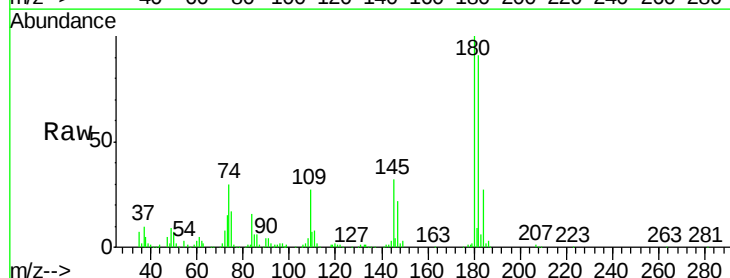
RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009574.D

Acq: 29 Mar 2019 16:25

Tgt Ion:	180	Resp:	85694
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.3	141.9
145	32.4	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

