

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012919\
 Data File : VW008444.D
 Acq On : 29 Jan 2019 11:42
 Operator : SY/VA
 Sample : VW0129SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/30/2019 9:39:40 AM

Quant Time: Jan 30 01:16:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	437018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	644910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	566844	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	282517	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	192377	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	7.88	113	195550	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
50) Toluene-d8	10.32	98	771076	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.62	95	277436	47.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35057	16.231	ug/l	97
3) Chloromethane	2.21	50	52672	14.765	ug/l	99
4) Vinyl Chloride	2.36	62	77473	17.061	ug/l	99
5) Bromomethane	2.78	94	55301	18.881	ug/l	94
6) Chloroethane	2.93	64	51474	18.535	ug/l	99
7) Trichlorofluoromethane	3.26	101	57950	18.010	ug/l	99
8) Diethyl Ether	3.67	74	36574	16.782	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	72563	18.358	ug/l	97
10) Methyl Iodide	4.26	142	117058	18.750	ug/l	98
11) Tert butyl alcohol	5.17	59	24546	71.012	ug/l	99
12) 1,1-Dichloroethene	4.03	96	73687	18.421	ug/l	96
13) Acrolein	3.89	56	28477	95.998	ug/l	99
14) Allyl chloride	4.67	41	122340	16.106	ug/l	97
15) Acrylonitrile	5.36	53	70066	74.452	ug/l	97
16) Acetone	4.12	43	73876	76.625	ug/l	93
17) Carbon Disulfide	4.37	76	220095	17.228	ug/l	99
18) Methyl Acetate	4.66	43	35845	13.939	ug/l	91
19) Methyl tert-butyl Ether	5.42	73	107910	16.305	ug/l	100
20) Methylene Chloride	4.90	84	84040	18.912	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	81812	18.192	ug/l	89
22) Diisopropyl ether	6.31	45	222280	15.441	ug/l	93
23) Vinyl Acetate	6.25	43	627197	73.784	ug/l	98
24) 1,1-Dichloroethane	6.21	63	136319	16.729	ug/l	99
25) 2-Butanone	7.17	43	95953	71.652	ug/l	100
26) 2,2-Dichloropropane	7.16	77	97824	17.760	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	82900	16.914	ug/l	98
28) Bromochloromethane	7.51	49	62183	16.614	ug/l	95
29) Tetrahydrofuran	7.52	42	59272	69.845	ug/l	95
30) Chloroform	7.67	83	135299	16.881	ug/l	92
31) Cyclohexane	7.95	56	138492	16.437	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	123466	17.835	ug/l	98
36) 1,1-Dichloropropene	8.08	75	113733	18.670	ug/l	98
37) Ethyl Acetate	7.25	43	42377	15.723	ug/l	97
38) Carbon Tetrachloride	8.06	117	119030	19.417	ug/l	98

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	148800	18.594	ug/l	95
40) Benzene	8.32	78	306936	18.157	ug/l	99
41) Methacrylonitrile	7.48	41	25666	16.083	ug/l	93
42) 1,2-Dichloroethane	8.40	62	83806	17.107	ug/l	97
43) Isopropyl Acetate	8.42	43	84948	15.171	ug/l	96
44) Trichloroethene	9.09	130	87397	19.012	ug/l	97
45) 1,2-Dichloropropane	9.37	63	73737	17.494	ug/l	98
46) Dibromomethane	9.46	93	37573	17.332	ug/l	95
47) Bromodichloromethane	9.65	83	100779	17.576	ug/l	98
48) Methyl methacrylate	9.43	41	40816	14.908	ug/l	96
49) 1,4-Dioxane	9.44	88	12874	351.330	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	206730	74.732	ug/l	99
52) Toluene	10.38	92	202411	18.139	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	101760	16.678	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	120318	17.376	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	52411	17.430	ug/l	94
56) Ethyl methacrylate	10.65	69	64626	15.338	ug/l	97
57) 1,3-Dichloropropane	10.93	76	91268	16.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	175729	85.840	ug/l	96
59) 2-Hexanone	10.97	43	147096	75.322	ug/l	99
60) Dibromochloromethane	11.13	129	66797	17.286	ug/l	100
61) 1,2-Dibromoethane	11.23	107	51136	17.151	ug/l	100
64) Tetrachloroethene	10.87	164	74687	19.460	ug/l	98
65) Chlorobenzene	11.66	112	218033	18.843	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	77556	18.733	ug/l	100
67) Ethyl Benzene	11.73	91	391693	18.415	ug/l	99
68) m/p-Xylenes	11.84	106	305989	37.078	ug/l	96
69) o-Xylene	12.17	106	143592	18.312	ug/l	97
70) Styrene	12.18	104	226941	17.522	ug/l	97
71) Bromoform	12.35	173	39294	16.869	ug/l #	99
73) Isopropylbenzene	12.47	105	397636	18.879	ug/l	98
74) N-amyl acetate	12.27	43	83134	15.321	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	57195	17.152	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	49252m	20.051	ug/l	
77) Bromobenzene	12.75	156	87803	19.088	ug/l	92
78) n-propylbenzene	12.80	91	474853	18.771	ug/l	98
79) 2-Chlorotoluene	12.90	91	266296	18.655	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	328748	18.674	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	20205	16.247	ug/l	95
82) 4-Chlorotoluene	12.99	91	272795	17.949	ug/l	95
83) tert-Butylbenzene	13.21	119	303050	19.345	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	333136	18.618	ug/l	100
85) sec-Butylbenzene	13.39	105	425278	19.009	ug/l	99
86) p-Isopropyltoluene	13.50	119	374428	19.106	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	177303	19.086	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	176024	19.066	ug/l	100
89) n-Butylbenzene	13.83	91	357514	18.580	ug/l	99
90) Hexachloroethane	14.10	117	72296	18.864	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	154820	18.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10539	16.657	ug/l	96

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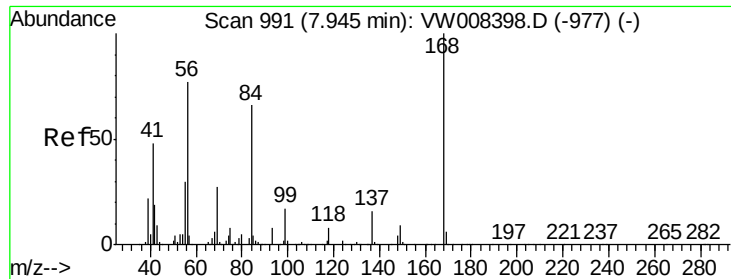
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	113200	19.299	ug/l	100
94) Hexachlorobutadiene	15.24	225	71172	20.133	ug/l	99
95) Naphthalene	15.37	128	183920	17.858	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	94675	19.027	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion:168 Resp: 437018

Ion Ratio Lower Upper

168 100

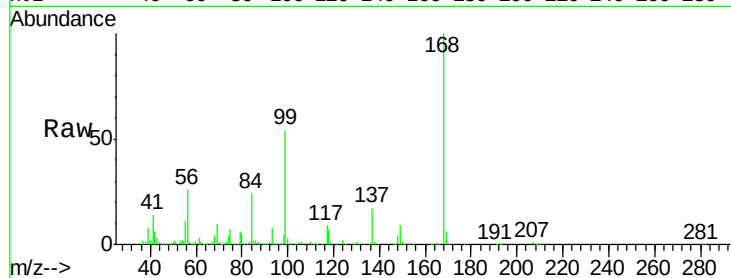
99 53.6 45.5 68.3

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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

200000

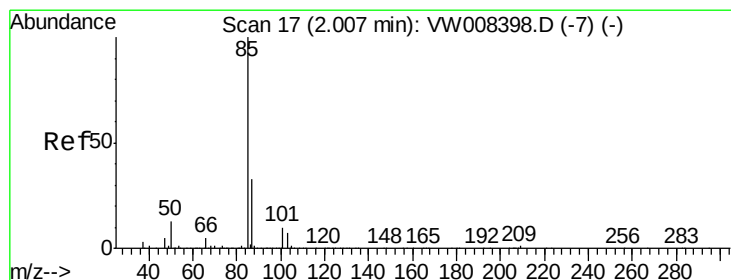
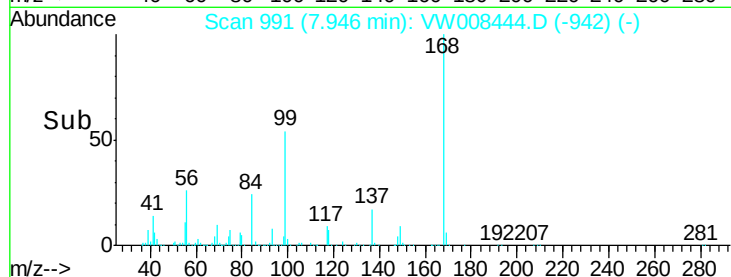
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 16.231 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008444.D

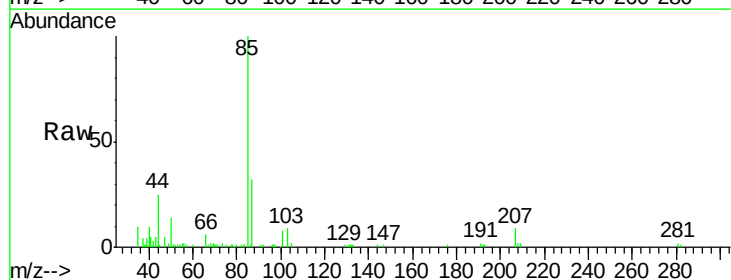
Acq: 29 Jan 2019 11:42

Tgt Ion: 85 Resp: 35057

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

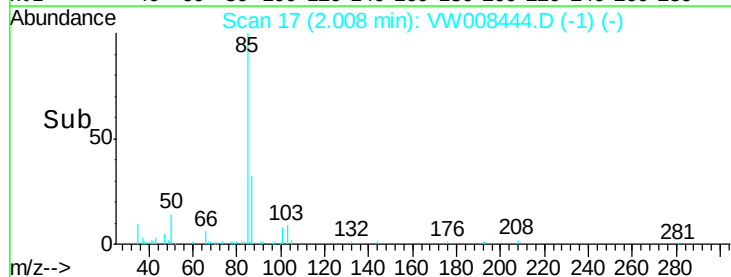
2.01

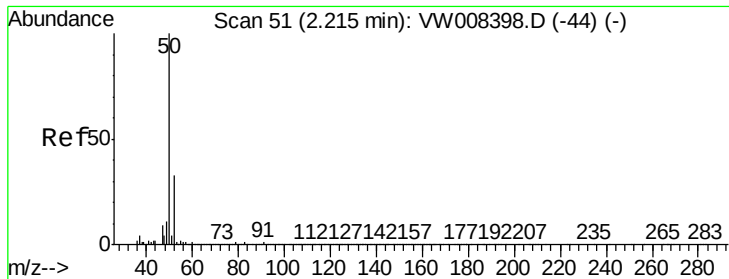
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 14.765 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 50 Resp: 52672

Ion Ratio Lower Upper

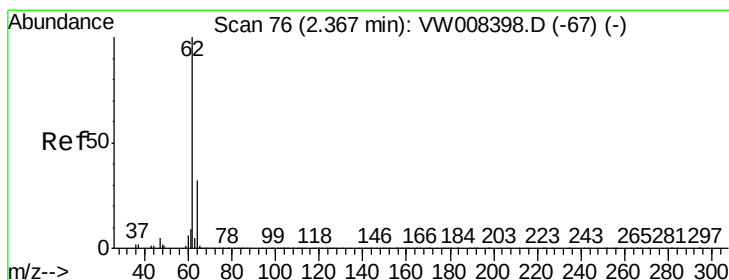
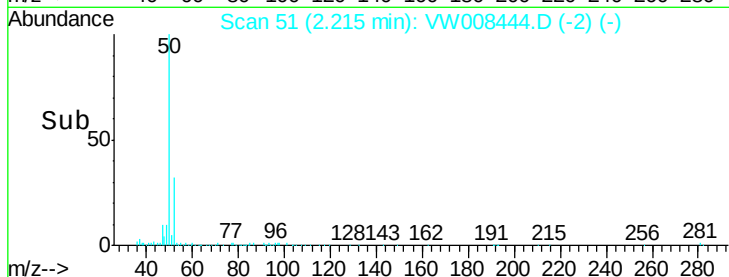
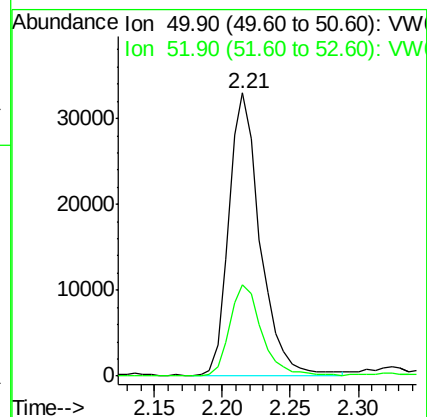
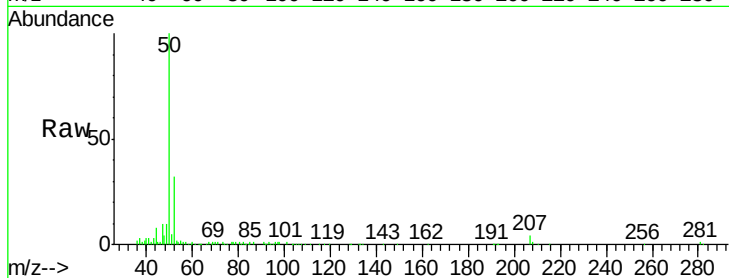
50 100

52 32.2 26.3 39.5

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#4

Vinyl Chloride

Concen: 17.061 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008444.D

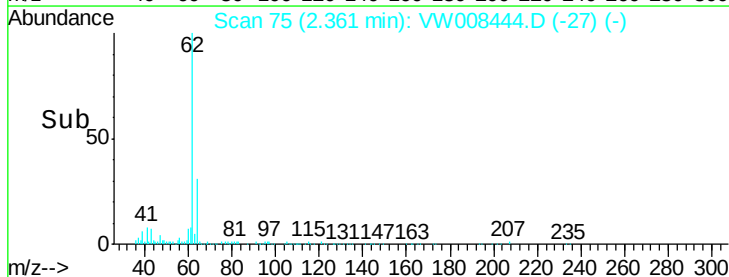
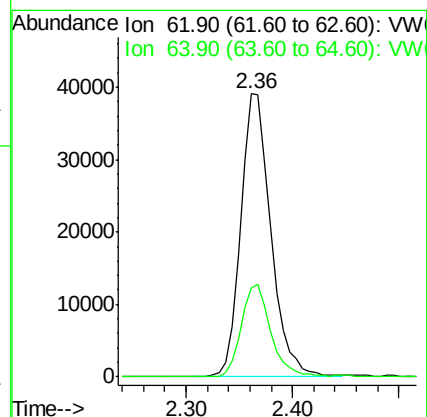
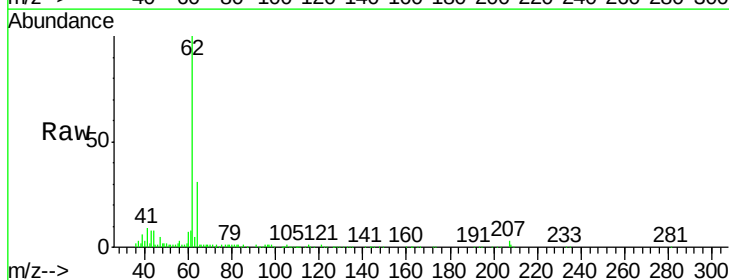
Acq: 29 Jan 2019 11:42

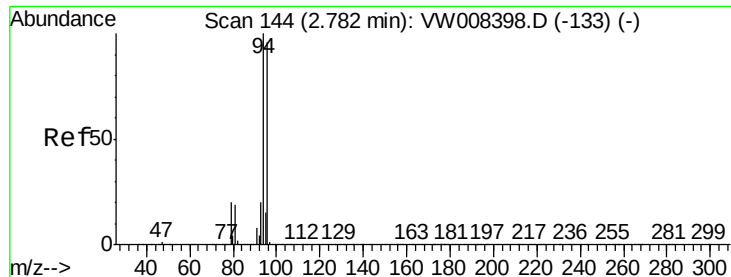
Tgt Ion: 62 Resp: 77473

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 18.881 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 94 Resp: 55301

Ion Ratio Lower Upper

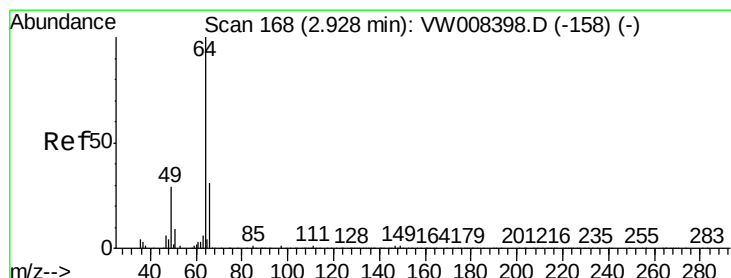
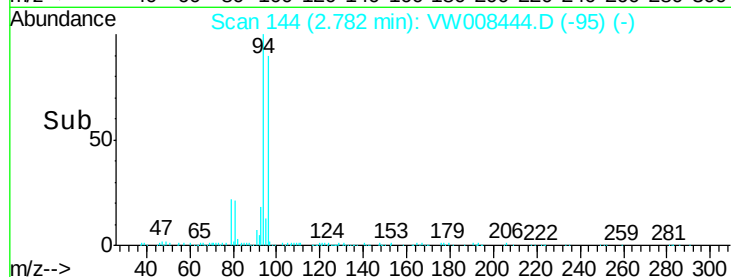
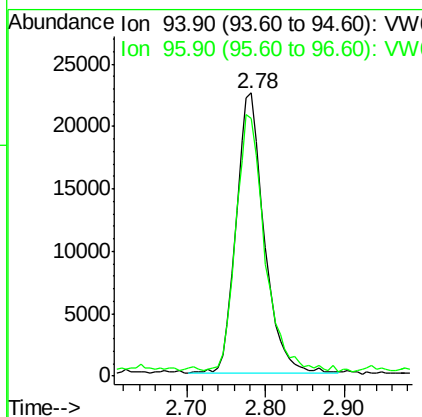
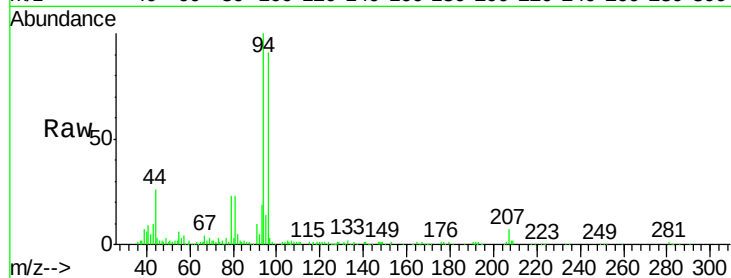
94 100

96 90.7 77.2 115.8

Manual Integrations
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#6

Chloroethane

Concen: 18.535 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008444.D

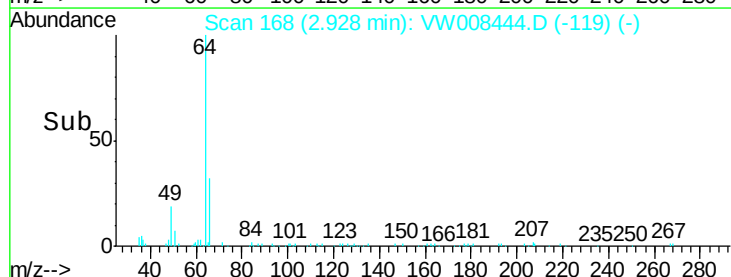
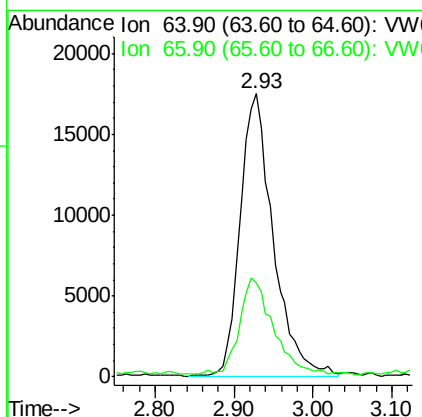
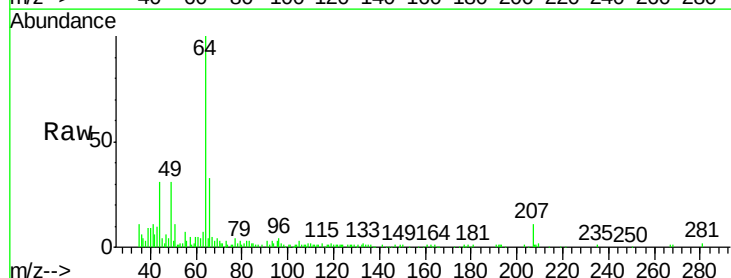
Acq: 29 Jan 2019 11:42

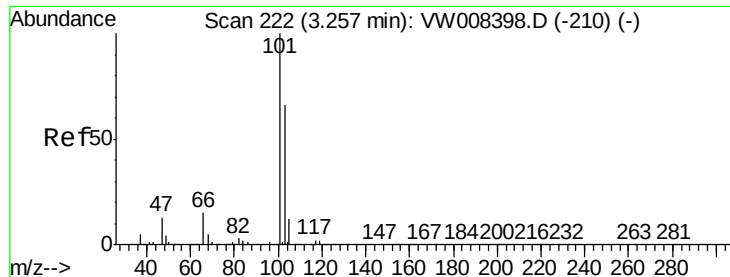
Tgt Ion: 64 Resp: 51474

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3





#7

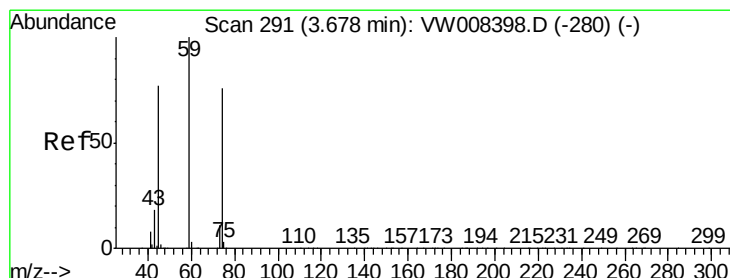
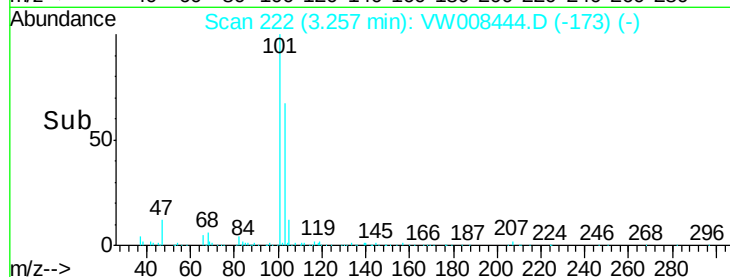
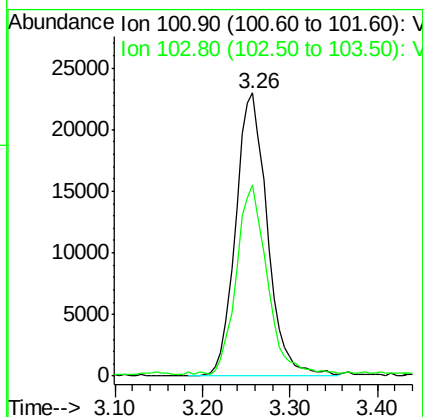
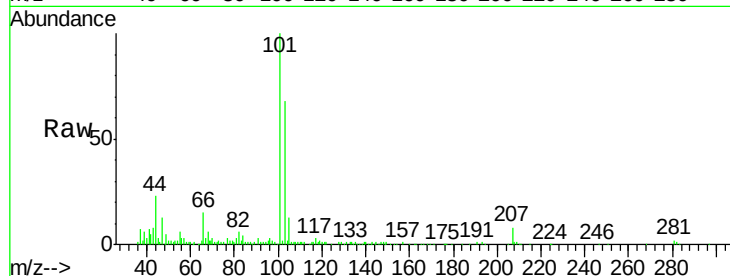
Trichlorofluoromethane
Concen: 18.010 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
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ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.5	78.7

Manual Integrations
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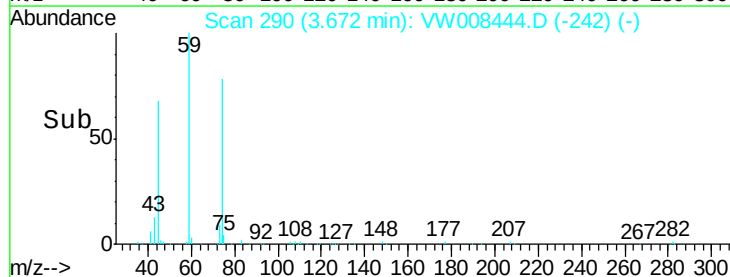
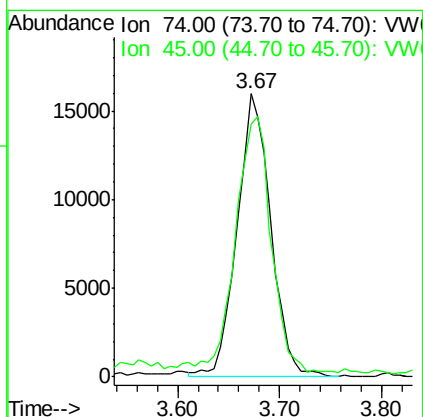
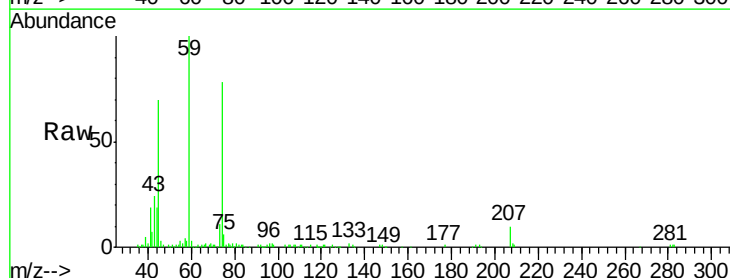
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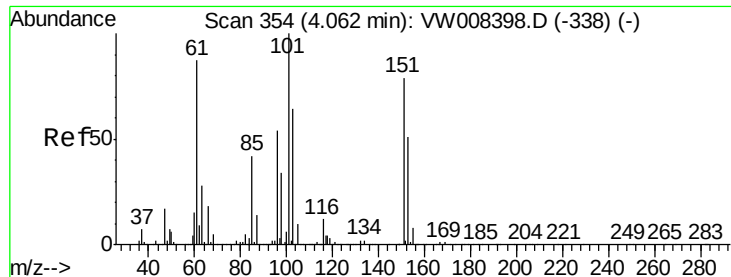


#8

Diethyl Ether
Concen: 16.782 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.5	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.358 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

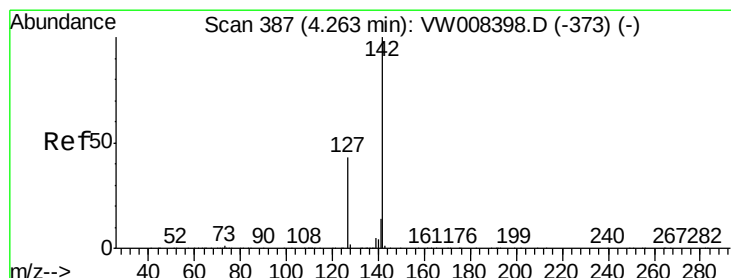
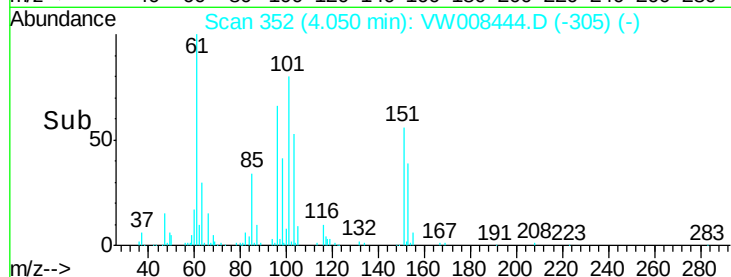
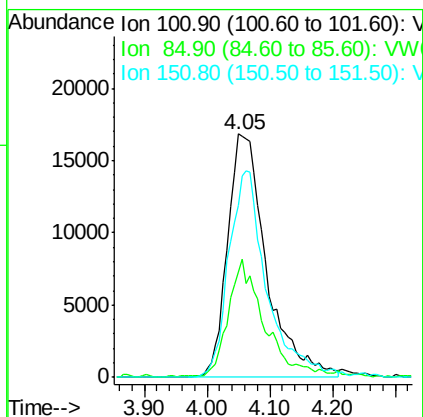
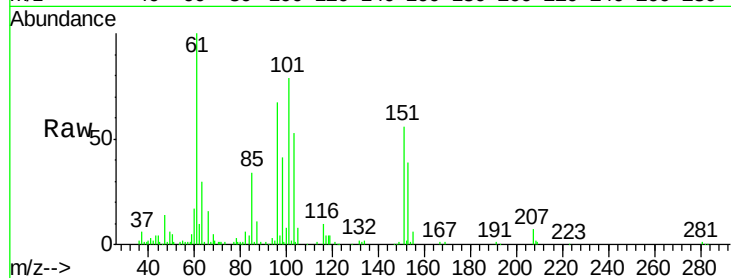
ClientSampleId :

VW0129SBS01

Tot Ion:	101	Resp:	72563
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.0	52.4
151	82.7	62.6	94.0

Manual Integrations
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1/30/2019 9:39:40 AM



#10

Methyl Iodide

Concen: 18.750 ug/l

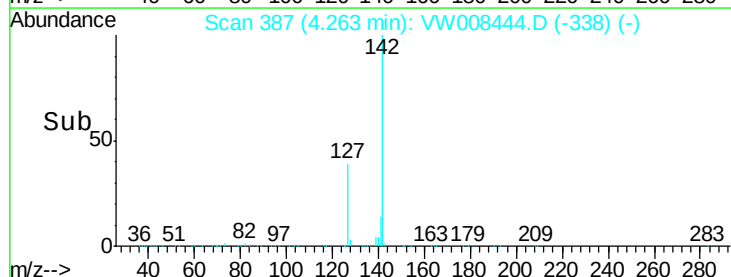
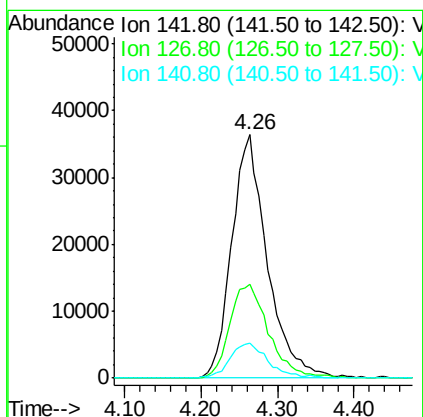
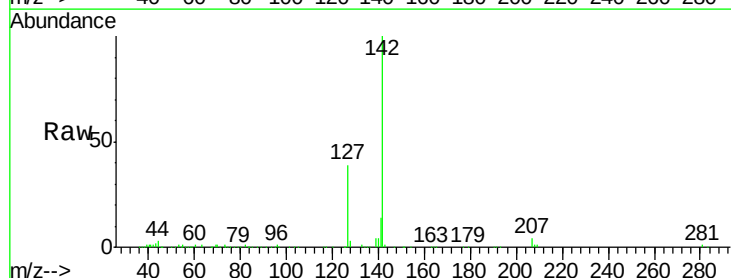
RT: 4.26 min Scan# 387

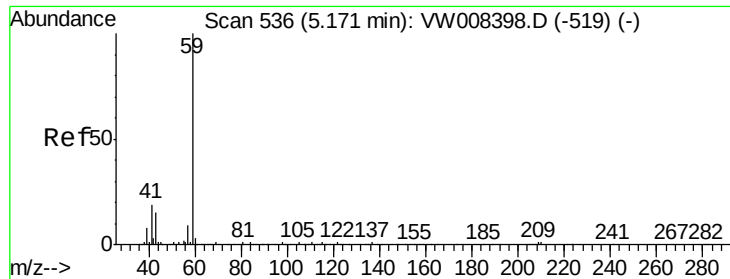
Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion:	142	Resp:	117058
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	15.2	11.4	17.2





#11

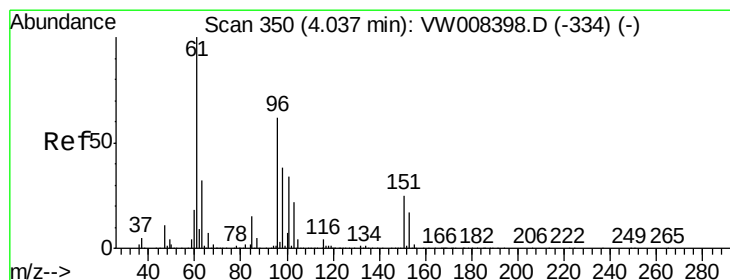
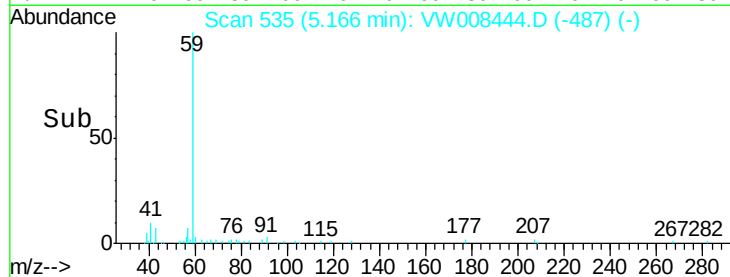
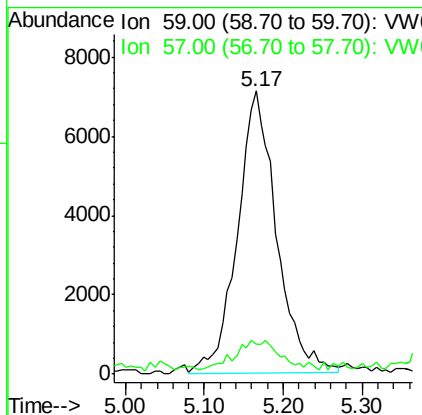
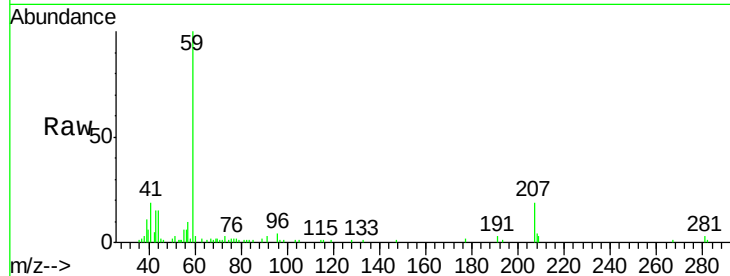
Tert butyl alcohol
Concen: 71.012 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.3	13.9

Manual Integrations
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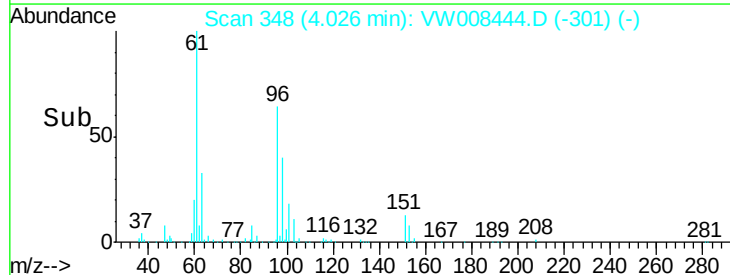
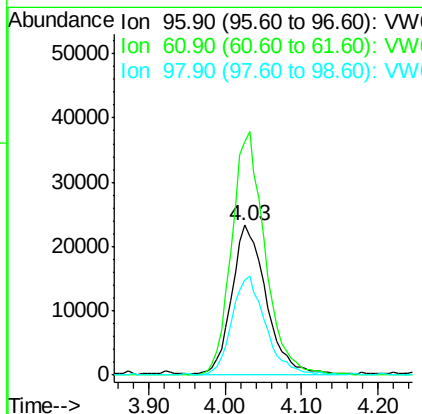
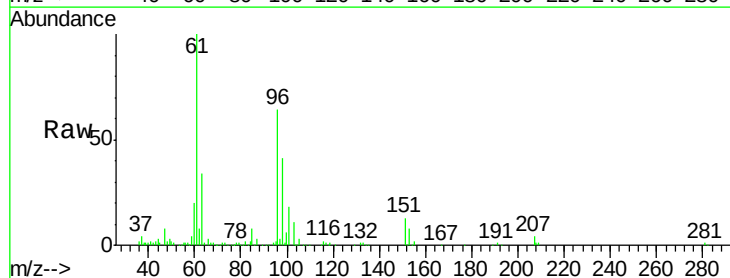
MMDadoda
1/30/2019 9:39:40 AM

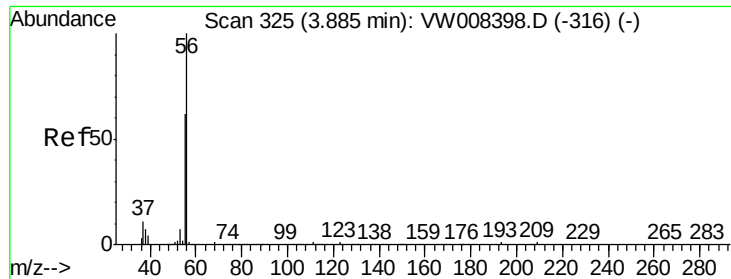


#12

1,1-Dichloroethene
Concen: 18.421 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.0	129.5	194.3
98	62.8	48.6	73.0





#13

Acrolein

Concen: 95.998 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 56 Resp: 28477

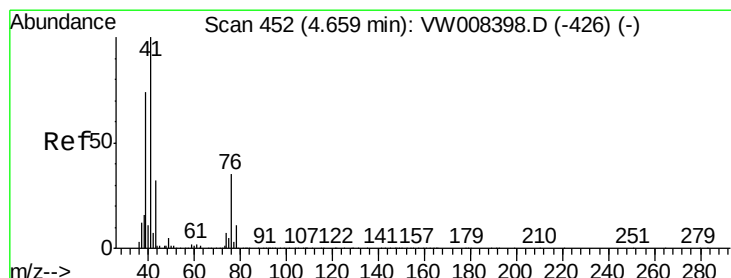
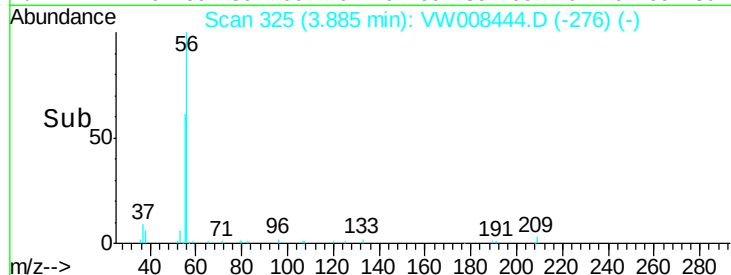
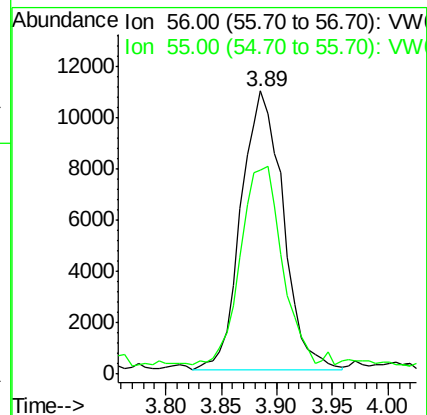
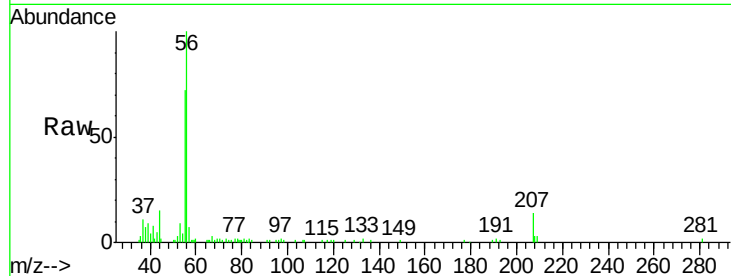
Ion Ratio Lower Upper

56 100

55 70.4 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 16.106 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

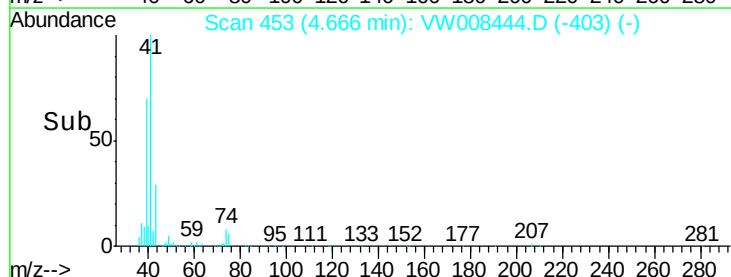
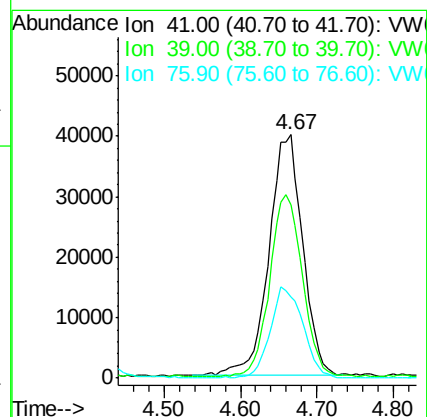
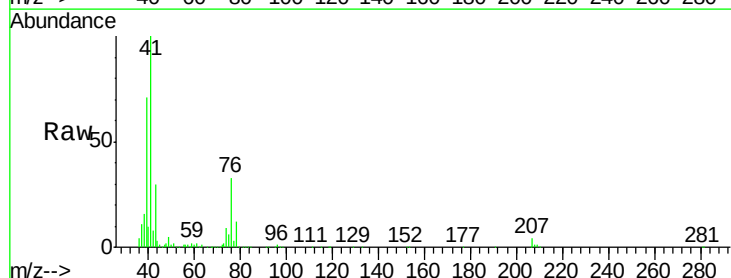
Tgt Ion: 41 Resp: 122340

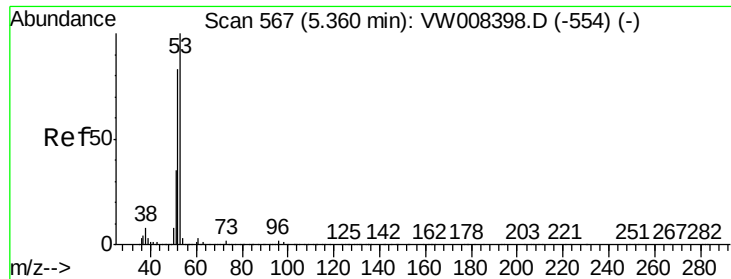
Ion Ratio Lower Upper

41 100

39 73.7 57.7 86.5

76 36.9 26.9 40.3





#15

Acrylonitrile

Concen: 74.452 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

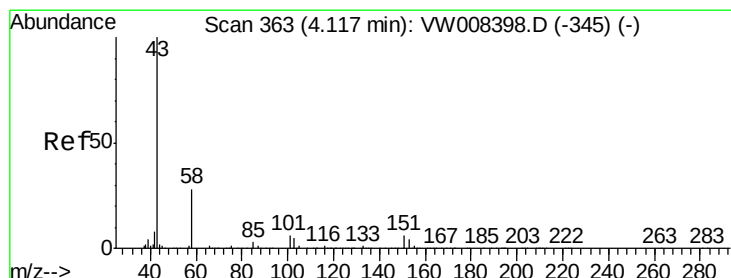
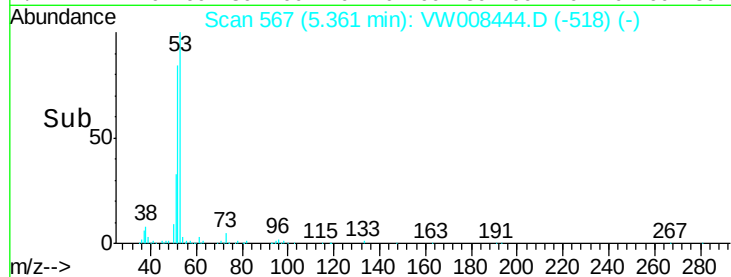
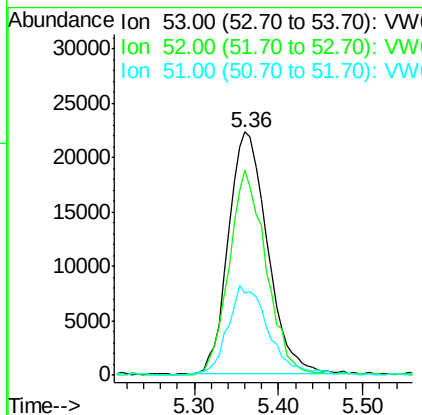
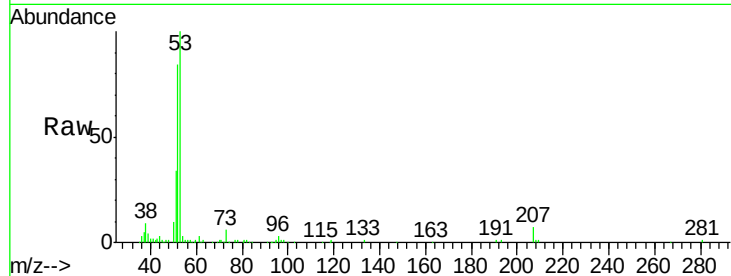
ClientSampleId :

VW0129SBS01

Tot Ion:	53	Resp:	70066
Ion	Ratio	Lower	Upper
53	100		
52	80.8	67.0	100.4
51	38.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 76.625 ug/l

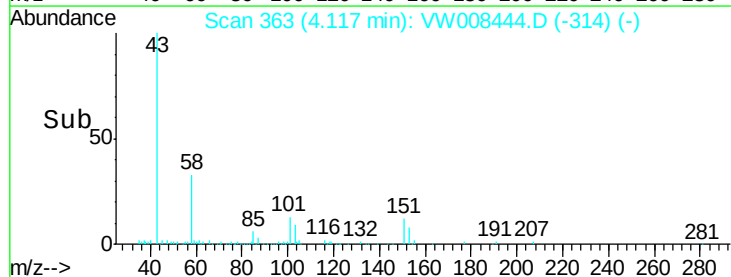
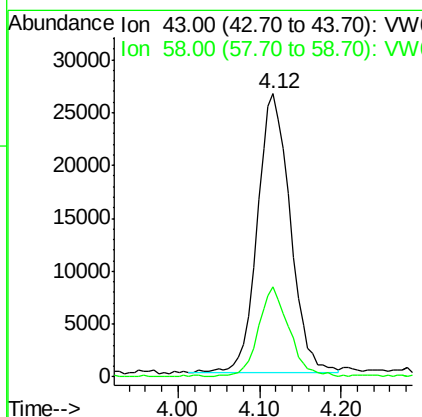
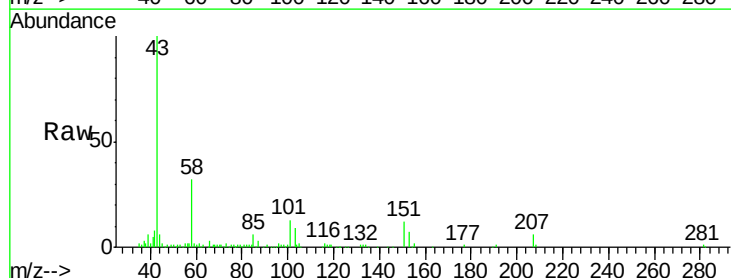
RT: 4.12 min Scan# 363

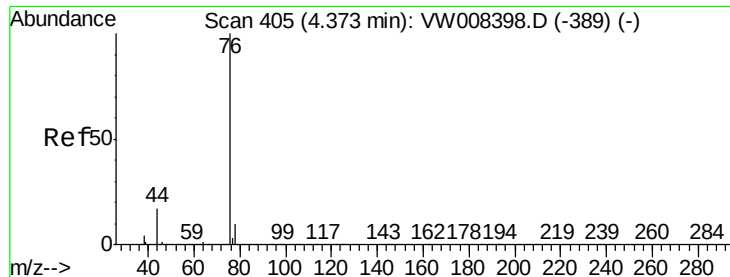
Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion:	43	Resp:	73876
Ion	Ratio	Lower	Upper
43	100		
58	32.1	22.6	34.0





#17

Carbon Disulfide

Concen: 17.228 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 76 Resp: 220095

Ion Ratio Lower Upper

76 100

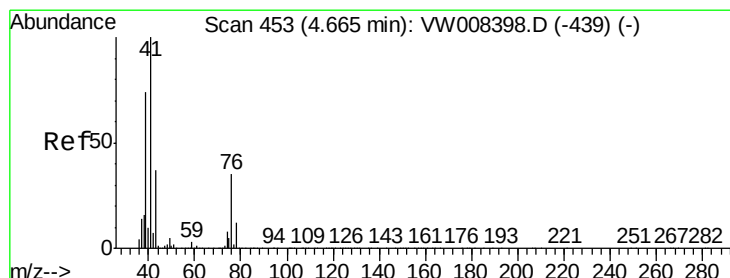
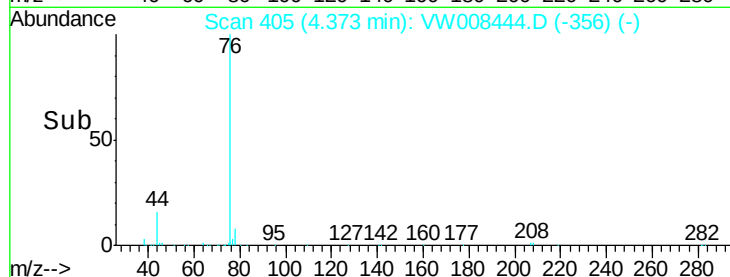
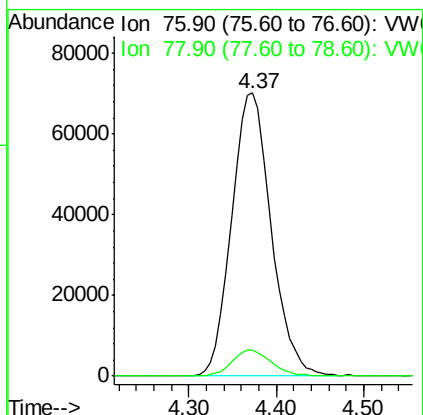
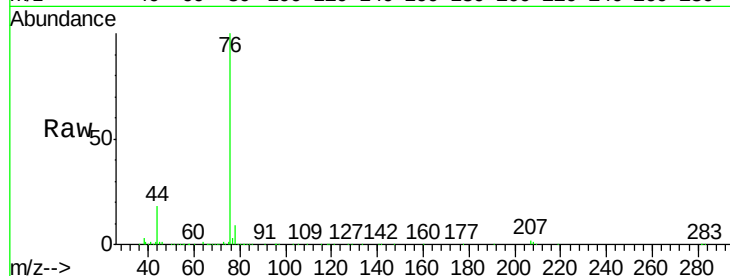
78 9.1 7.7 11.5

Manual Integrations

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#18

Methyl Acetate

Concen: 13.939 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008444.D

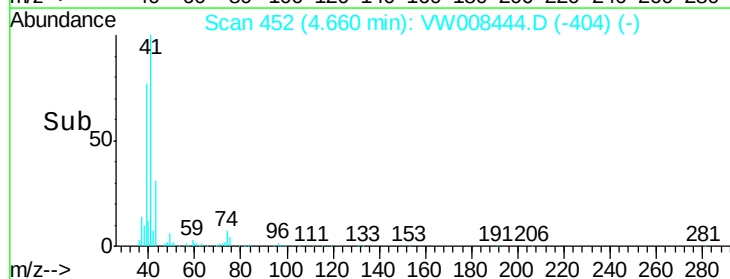
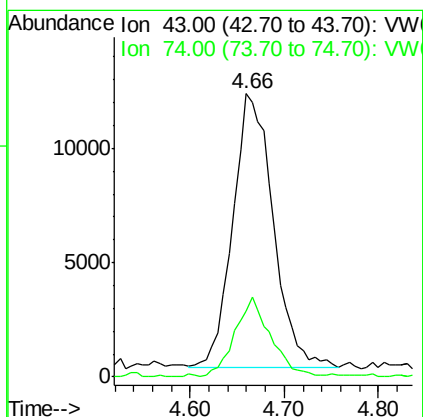
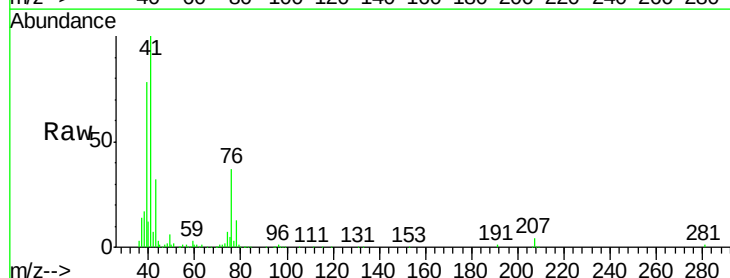
Acq: 29 Jan 2019 11:42

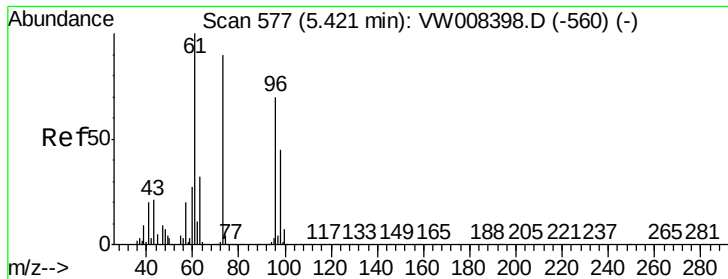
Tgt Ion: 43 Resp: 35845

Ion Ratio Lower Upper

43 100

74 26.1 17.5 26.3





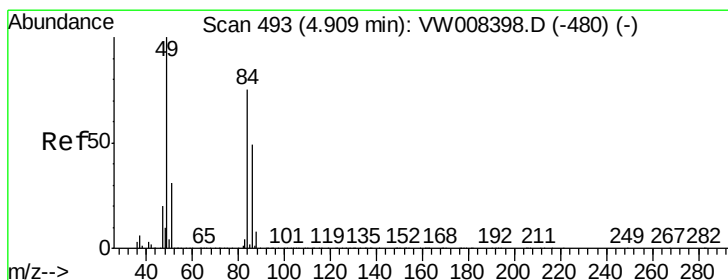
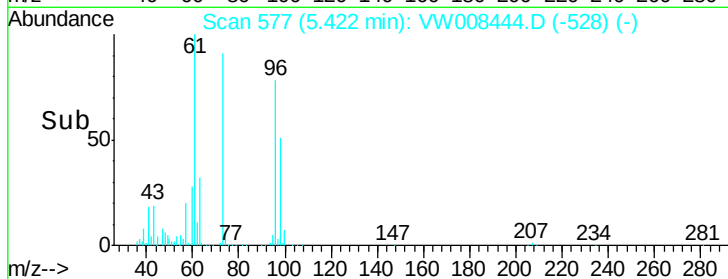
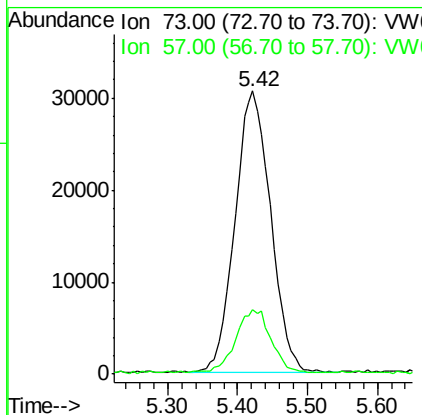
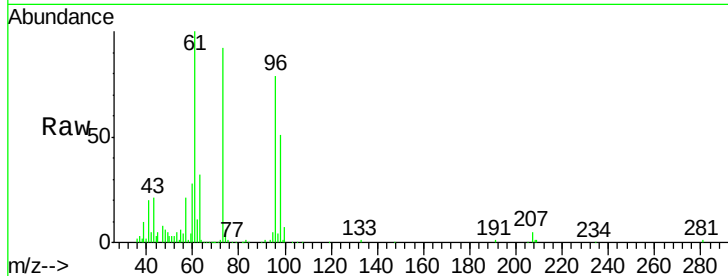
#19
Methyl tert-butyl Ether
Concen: 16.305 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0

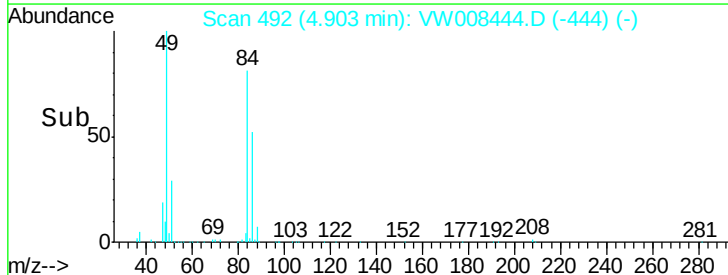
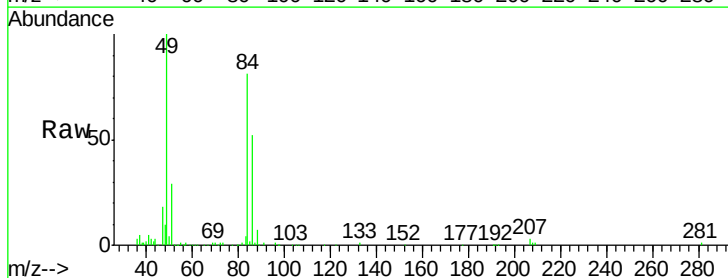
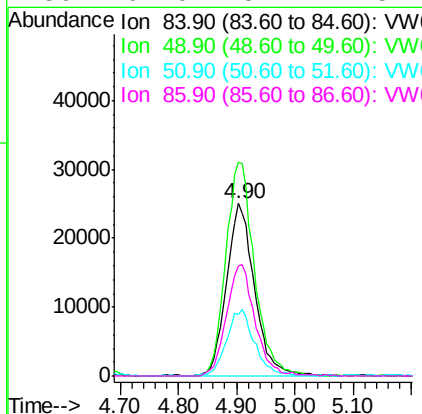
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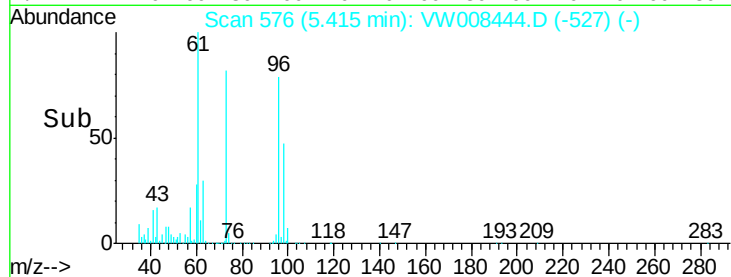
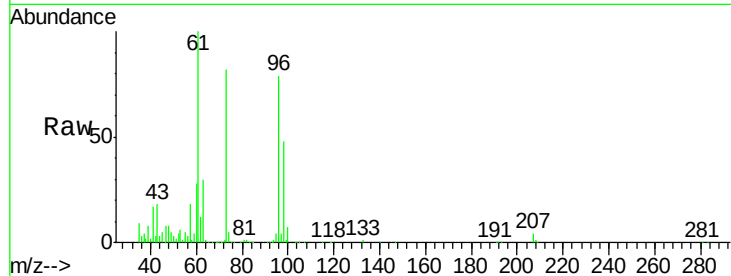
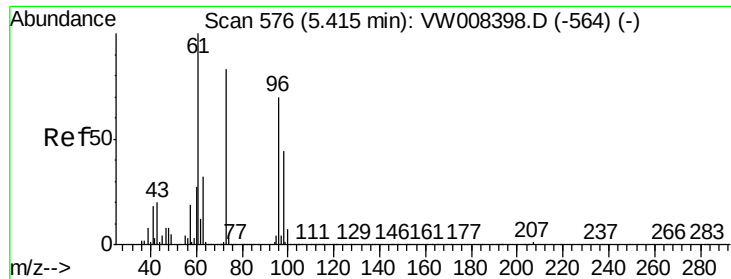
MMDadoda
1/30/2019 9:39:40 AM



#20
Methylene Chloride
Concen: 18.912 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.7	106.8	160.2
51	35.4	32.9	49.3
86	64.0	52.2	78.2





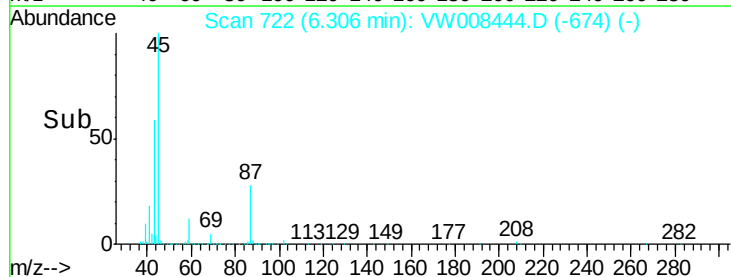
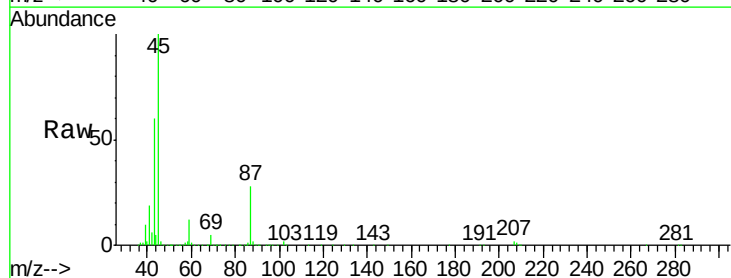
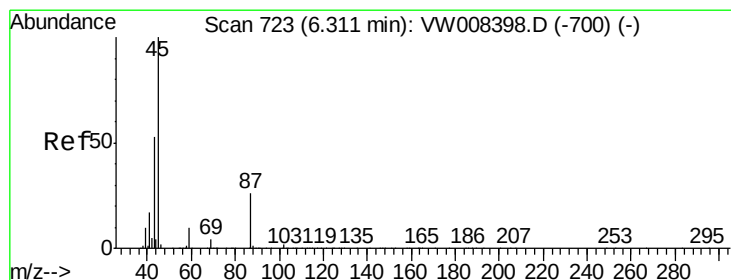
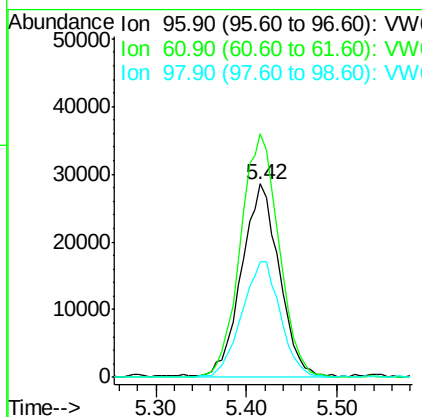
#21
trans-1,2-Dichloroethene
Concen: 18.192 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.0	114.4	171.6
98	59.9	50.6	75.8

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

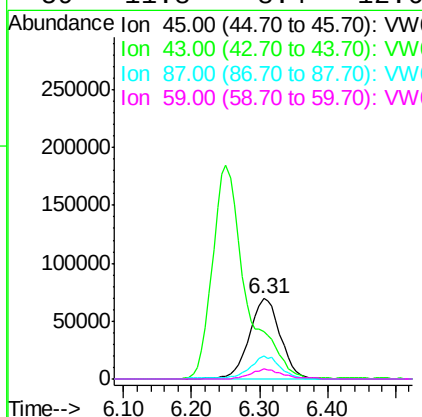
Manual Integrations
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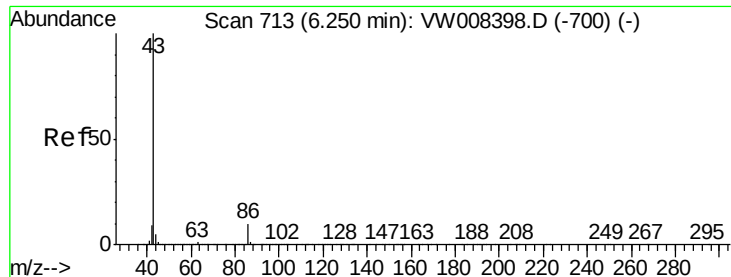
MMDadoda
1/30/2019 9:39:40 AM



#22
Diisopropyl ether
Concen: 15.441 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	42.6	63.8
87	28.3	20.3	30.5
59	11.8	8.4	12.6





#23

Vinyl Acetate

Concen: 73.784 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 43 Resp: 627197

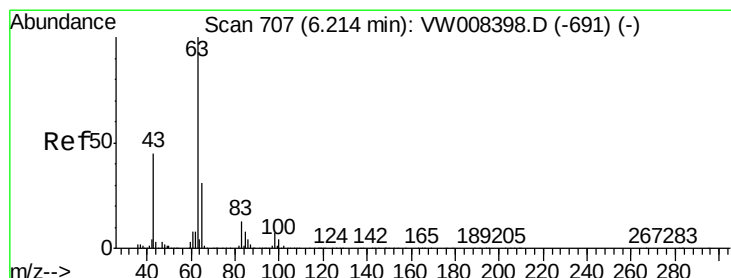
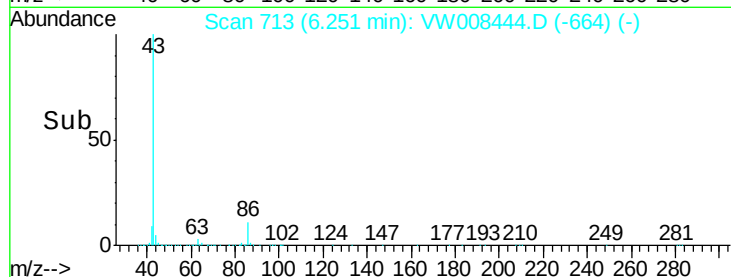
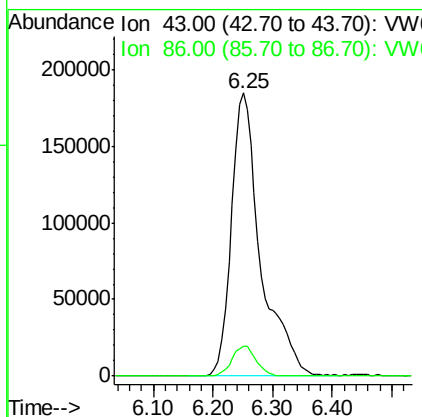
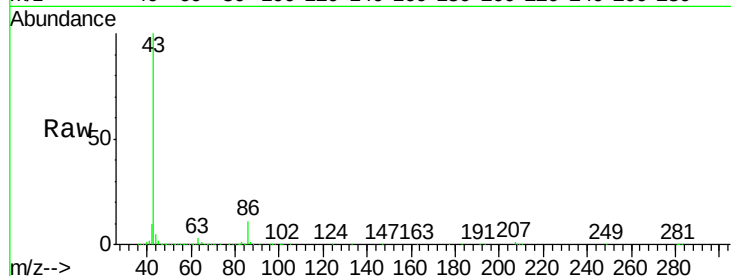
Ion Ratio Lower Upper

43 100

86 10.6 7.8 11.8

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 16.729 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

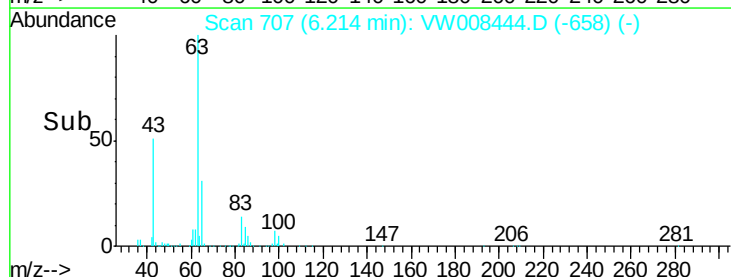
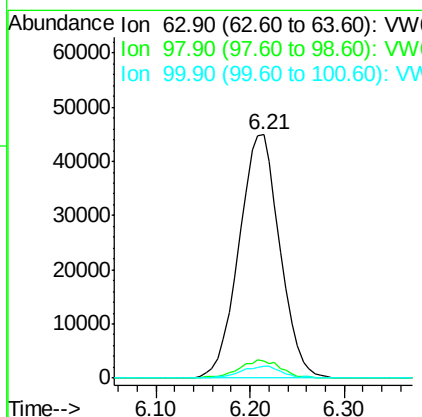
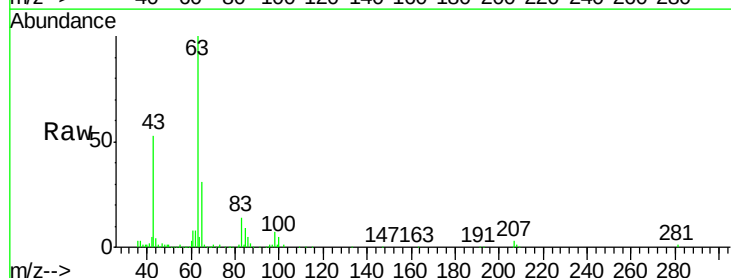
Tgt Ion: 63 Resp: 136319

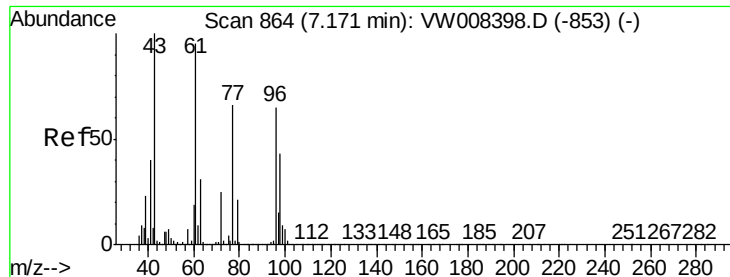
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 5.1 2.1 6.2





#25

2-Butanone

Concen: 71.652 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 43 Resp: 95953

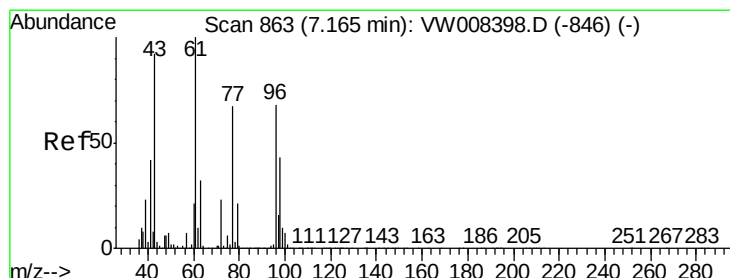
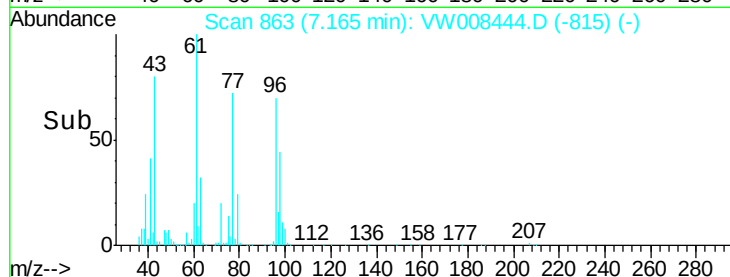
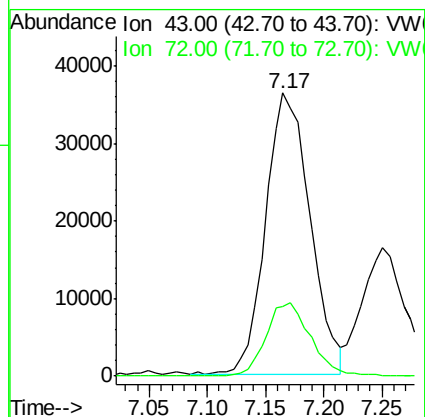
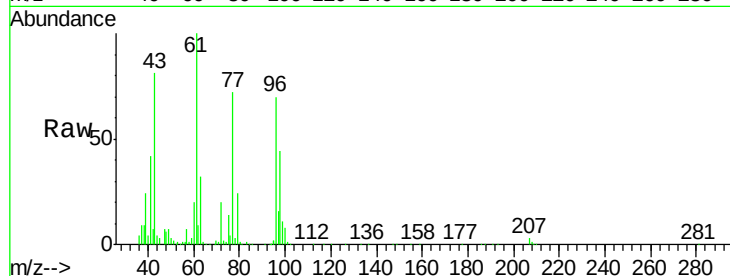
Ion Ratio Lower Upper

43 100

72 24.9 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 17.760 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008444.D

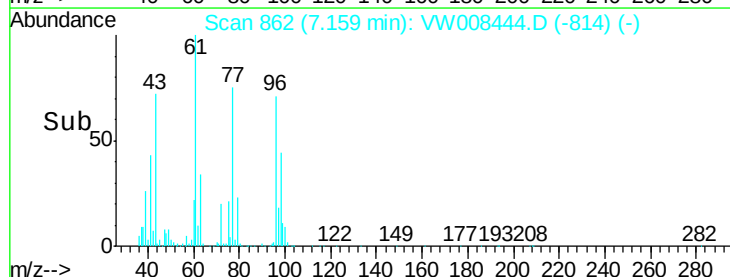
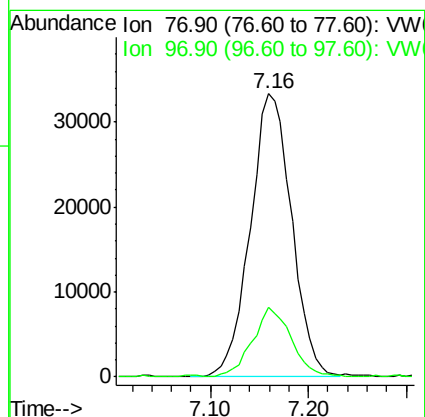
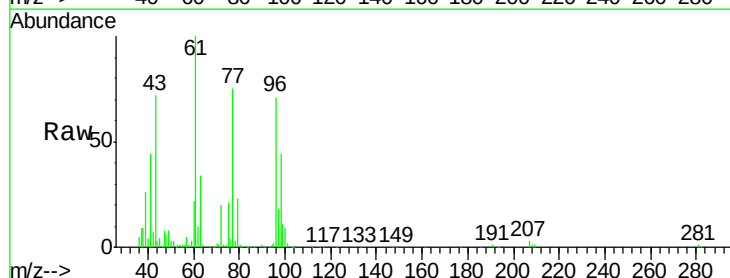
Acq: 29 Jan 2019 11:42

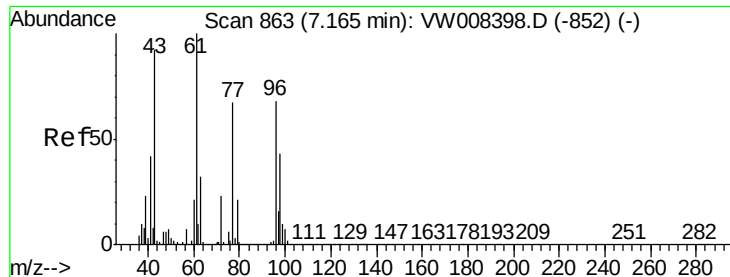
Tgt Ion: 77 Resp: 97824

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5





#27

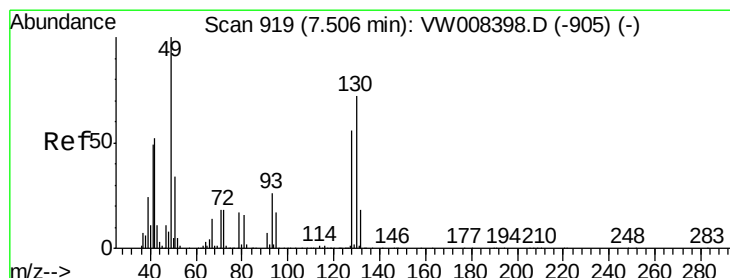
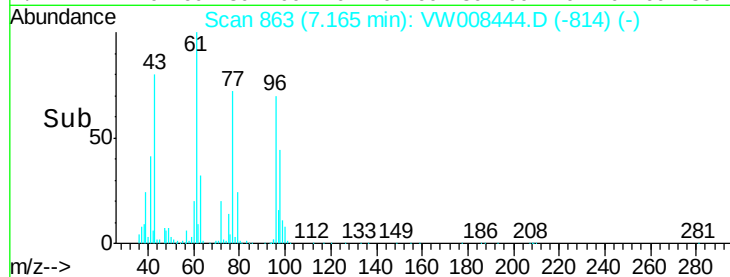
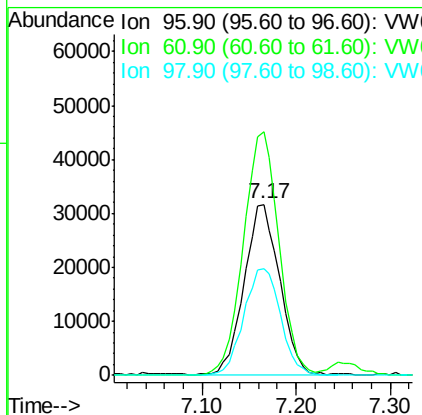
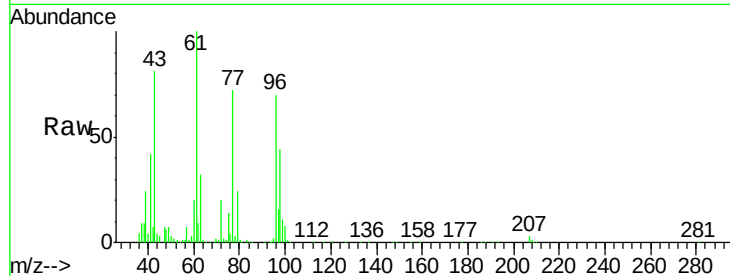
cis-1,2-Dichloroethene
Concen: 16.914 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.9	0.0	292.8
98	65.5	0.0	129.2

Manual Integrations
APPROVED

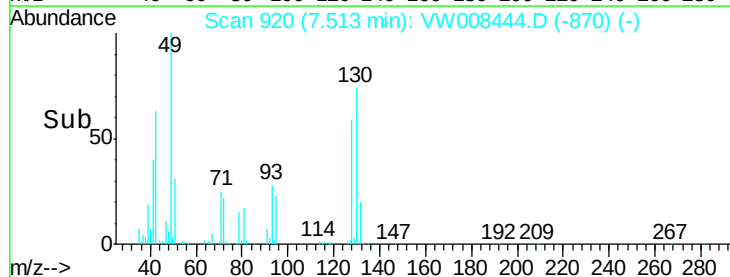
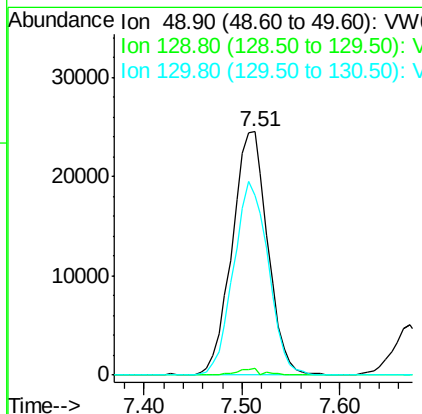
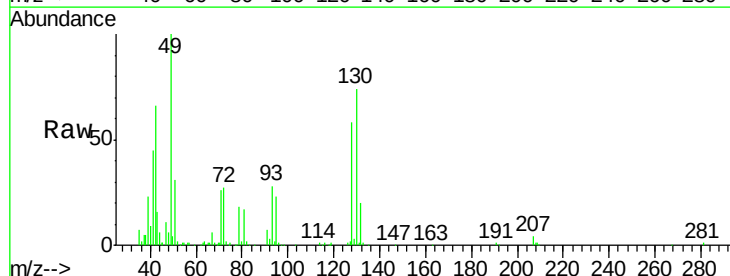
MMDadoda
1/30/2019 9:39:40 AM

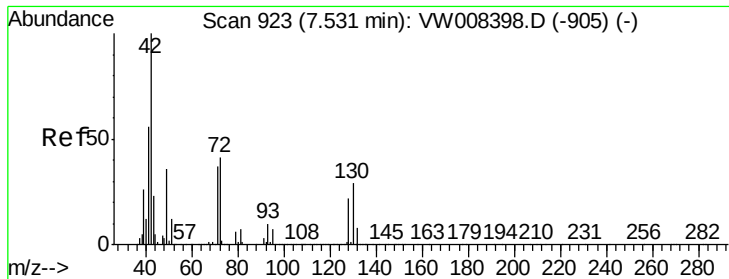


#28

Bromochloromethane
Concen: 16.614 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.6
130	77.5	58.6	87.8





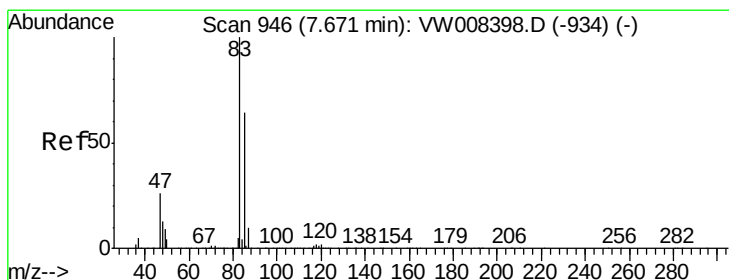
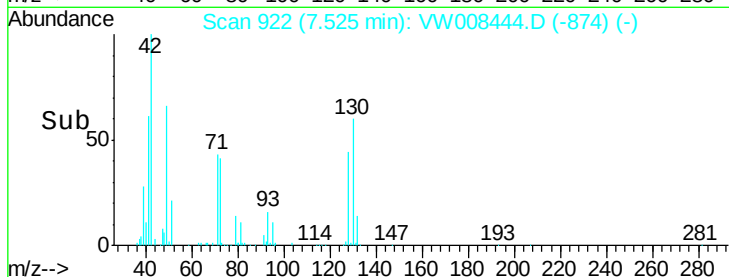
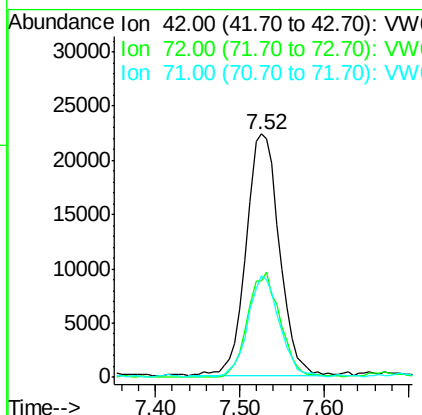
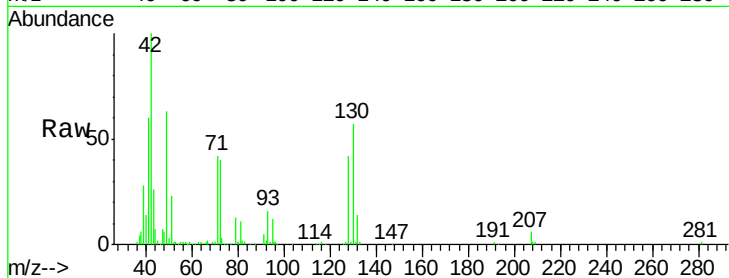
#29
Tetrahydrofuran
Concen: 69.845 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	31.9	47.9
71	40.0	29.9	44.9

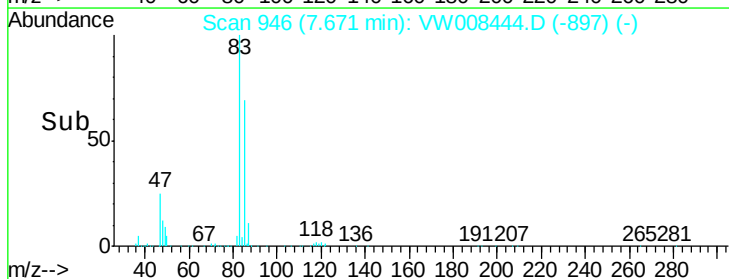
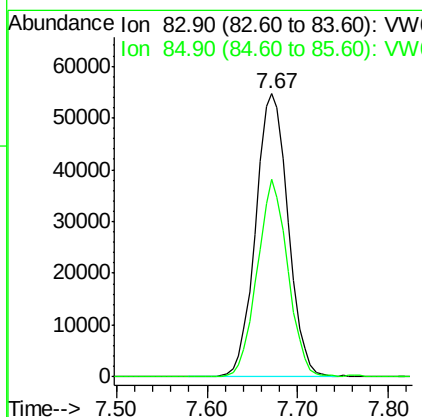
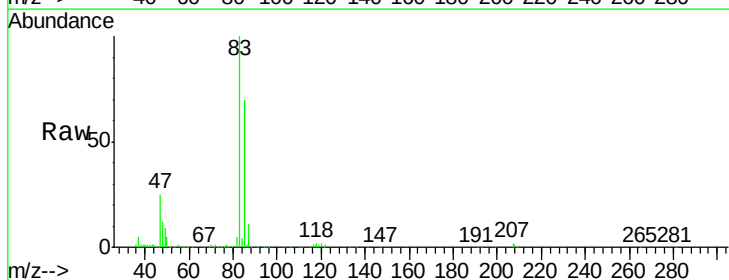
Manual Integrations
APPROVED

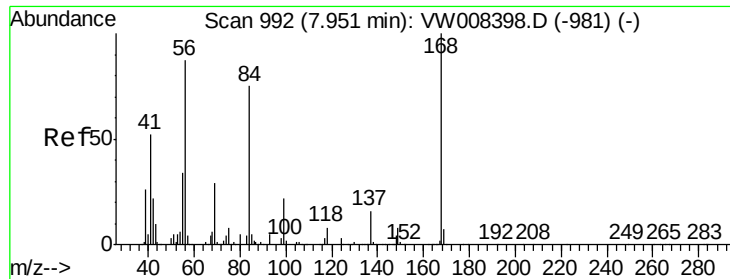
MMDadoda
1/30/2019 9:39:40 AM



#30
Chloroform
Concen: 16.881 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.7	50.9	76.3





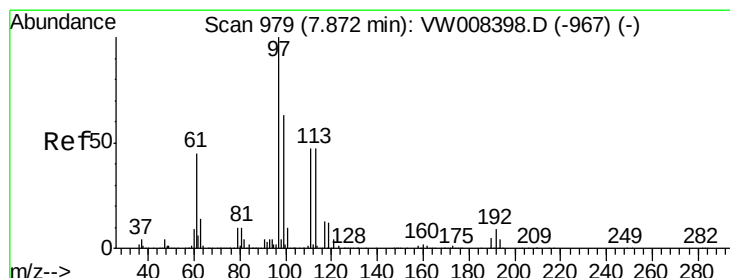
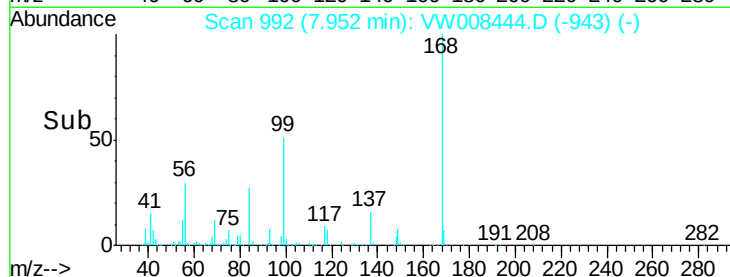
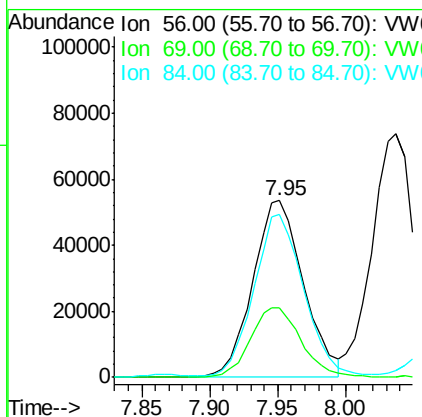
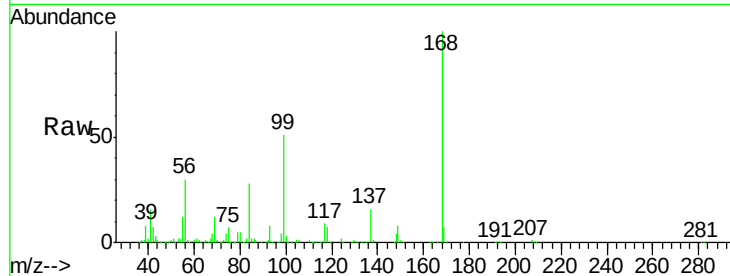
#31
Cyclohexane
Concen: 16.437 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	26.4	39.6
84	91.6	69.1	103.7

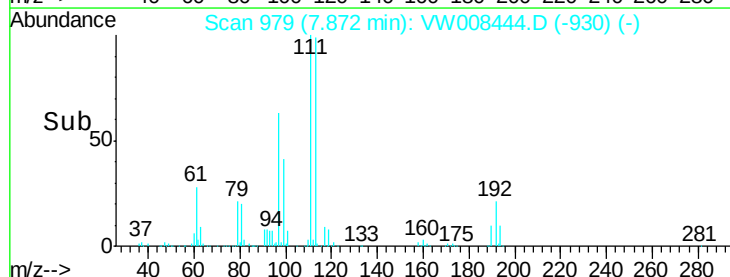
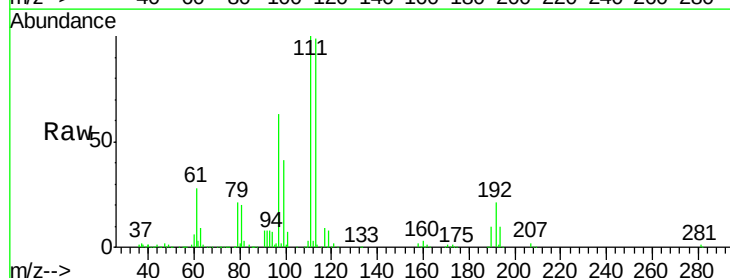
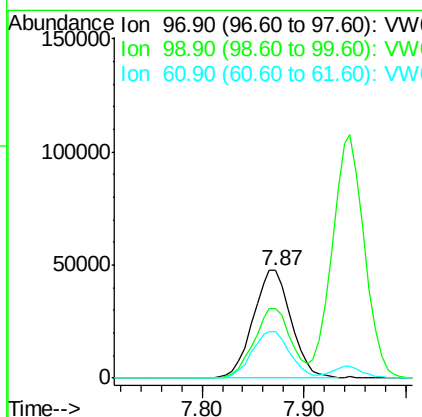
Manual Integrations
APPROVED

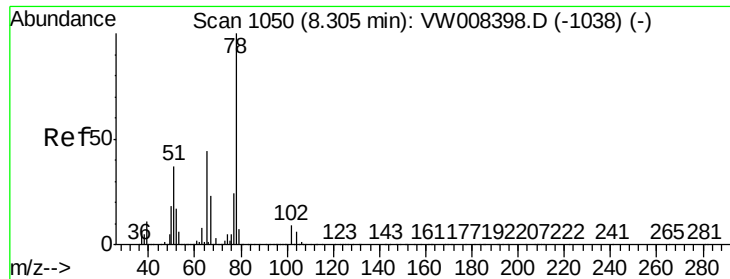
MMDadoda
1/30/2019 9:39:40 AM



#32
1,1,1-Trichloroethane
Concen: 17.835 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.3	76.9
61	42.9	36.2	54.4





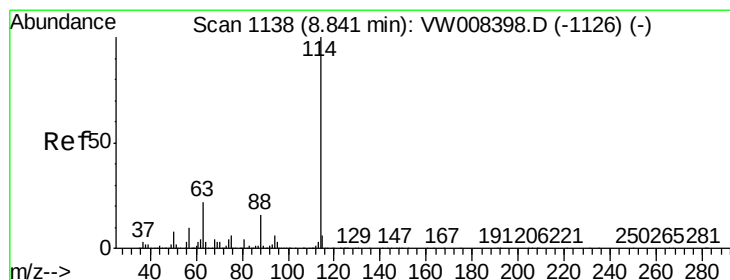
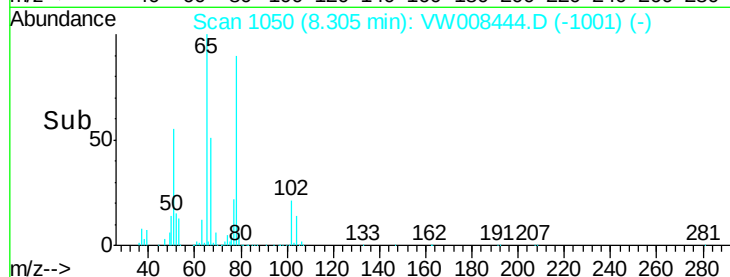
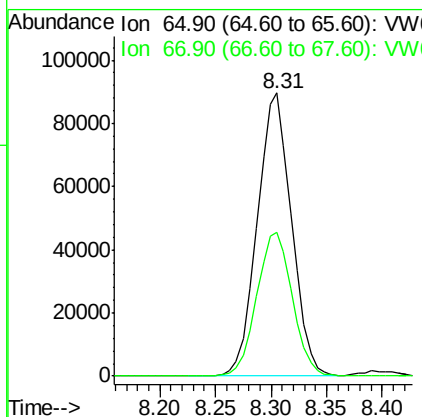
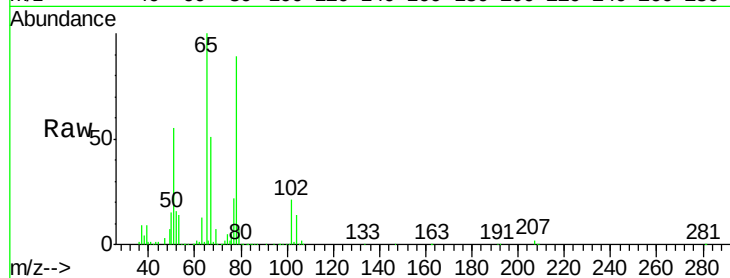
#33
 1,2-Dichloroethane-d4
 Concen: 44.809 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.0	

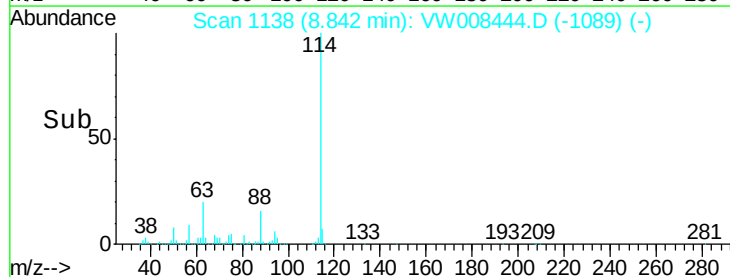
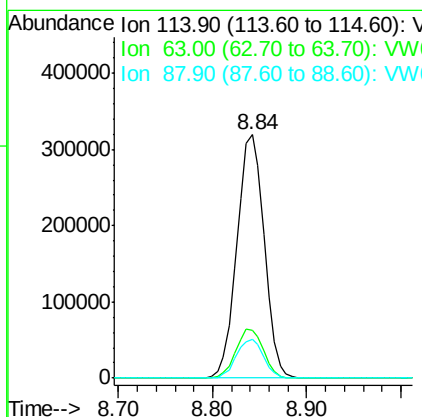
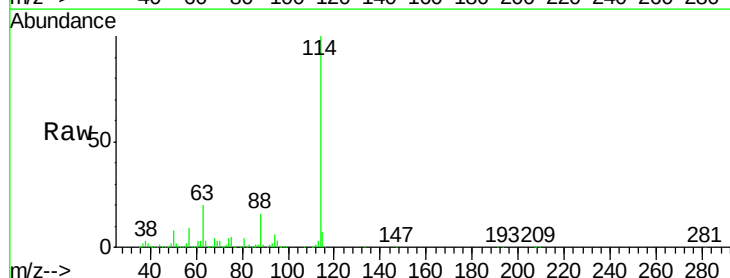
Manual Integrations
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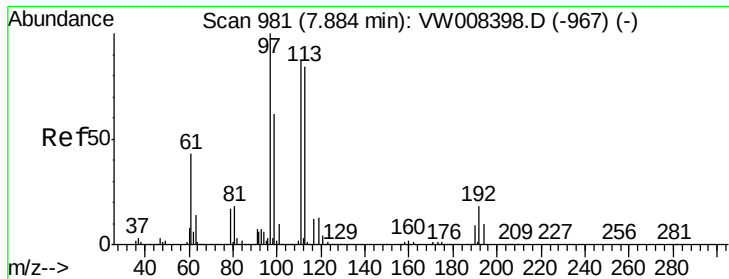
MMDadoda
 1/30/2019 9:39:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	43.6	
88	15.8	0.0	31.8	





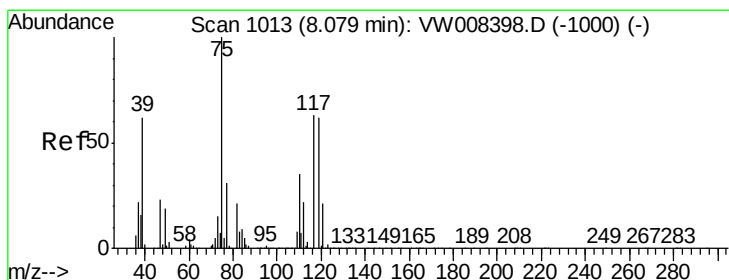
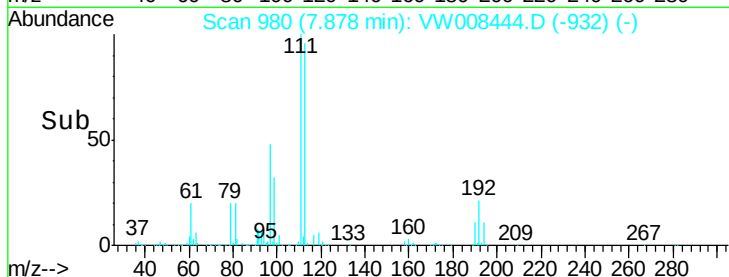
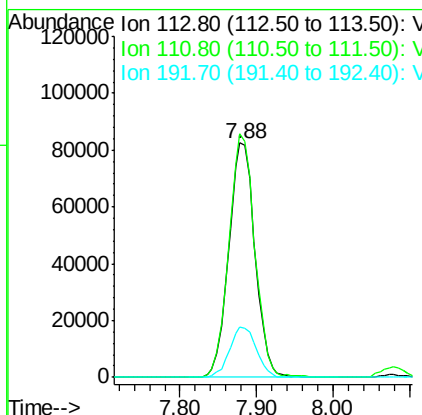
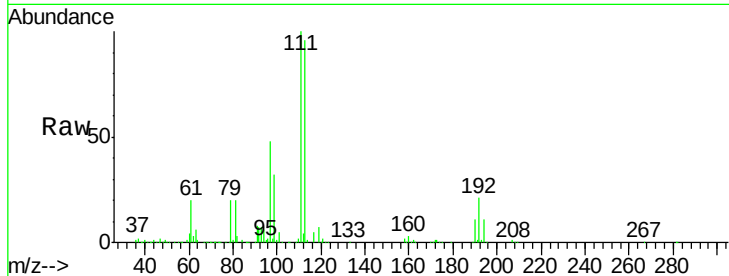
#35
Dibromofluoromethane
Concen: 51.856 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	195550		
111	102.2	81.0	121.4	
192	21.9	16.8	25.2	

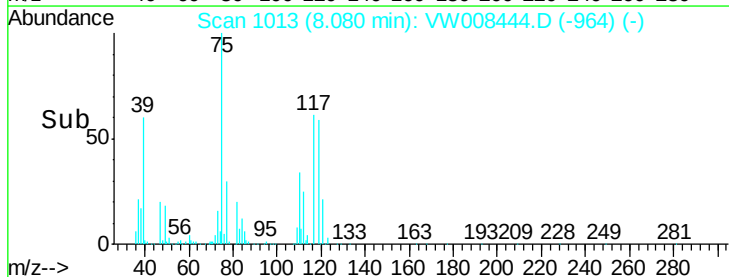
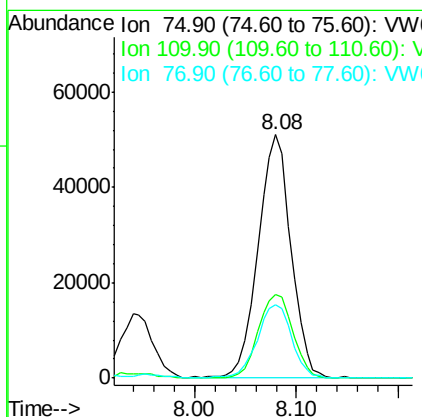
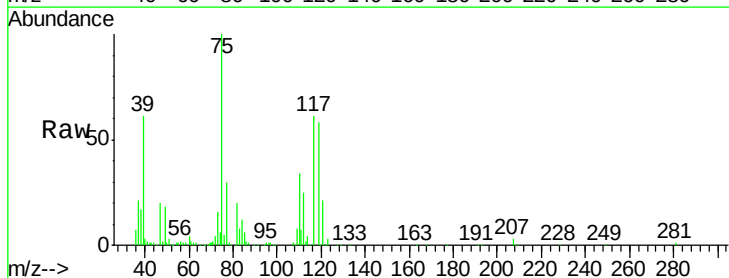
Manual Integrations
APPROVED

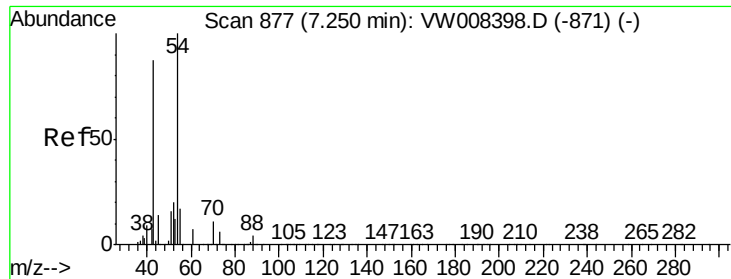
MMDadoda
1/30/2019 9:39:40 AM



#36
1,1-Dichloropropene
Concen: 18.670 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113733		
110	36.2	17.3	52.0	
77	32.0	24.7	37.1	





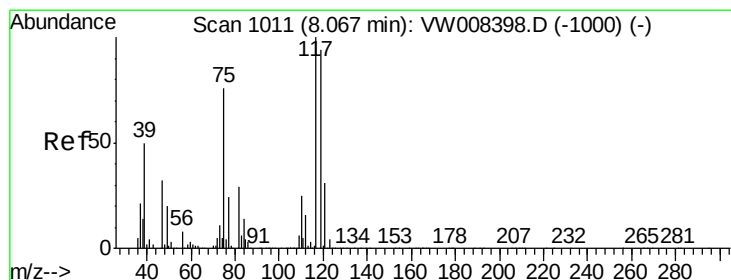
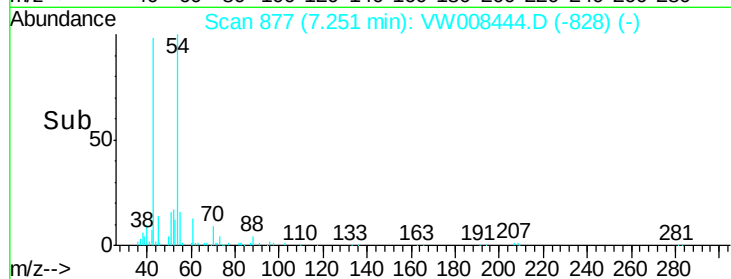
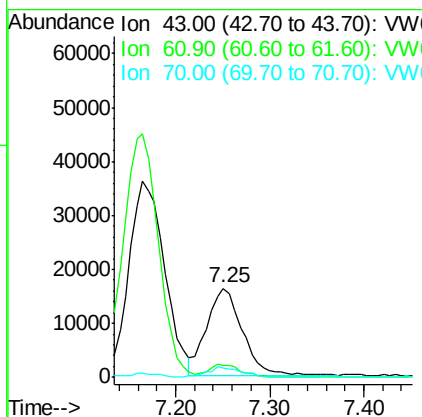
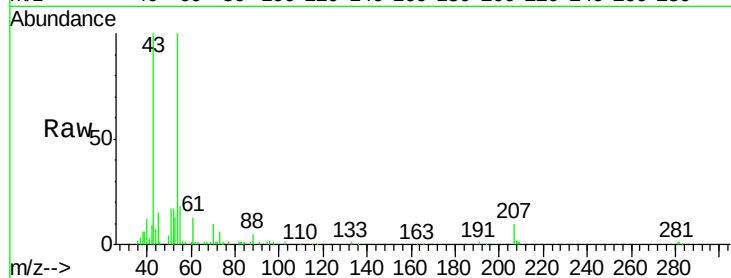
#37
Ethyl Acetate
Concen: 15.723 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.1	15.1
70	10.3	7.8	11.6

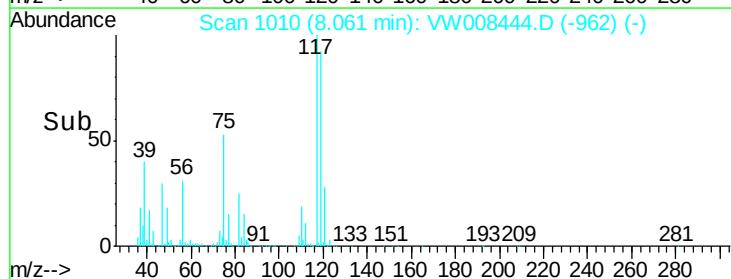
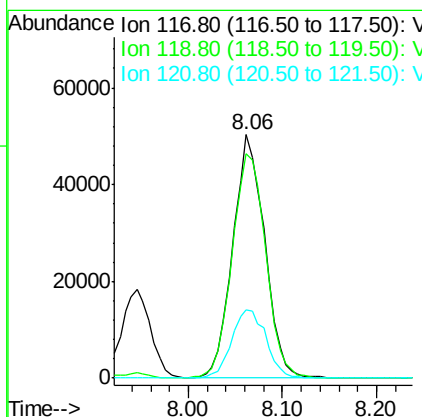
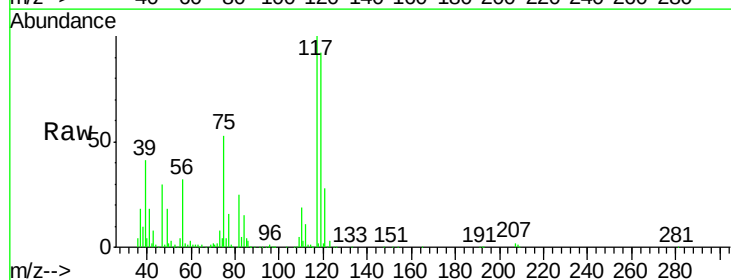
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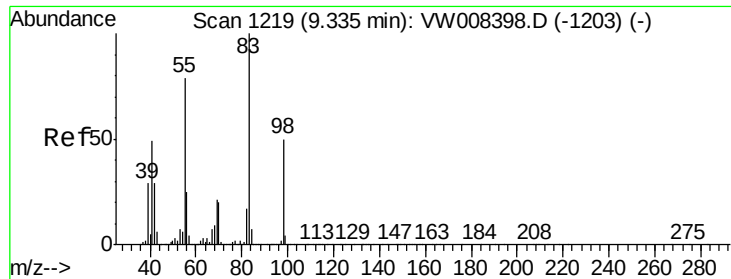
MMDadoda
1/30/2019 9:39:40 AM



#38
Carbon Tetrachloride
Concen: 19.417 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.0	112.4
121	28.2	24.9	37.3





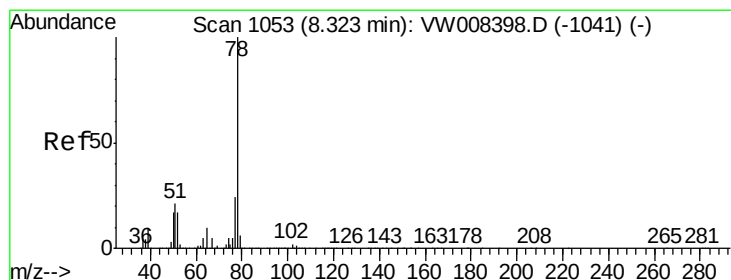
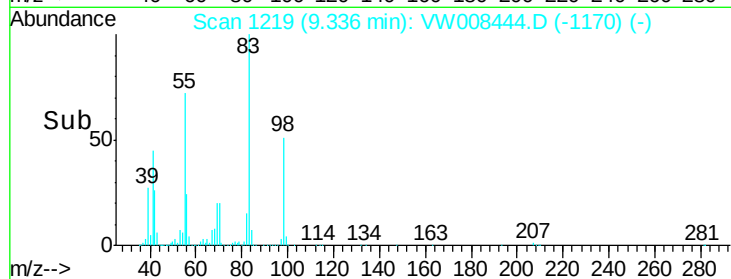
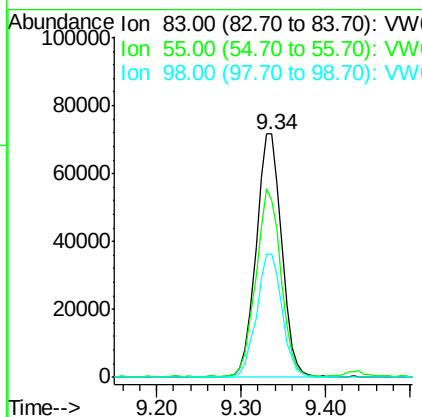
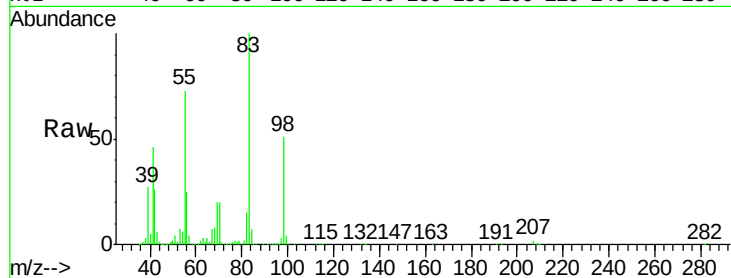
#39
Methylvlcyclohexane
Concen: 18.594 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	148800		
55	72.2	63.3	94.9	
98	50.7	39.7	59.5	

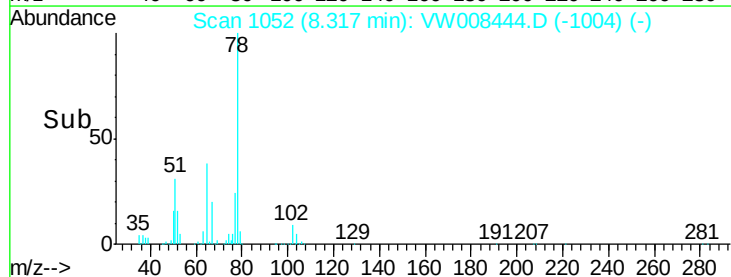
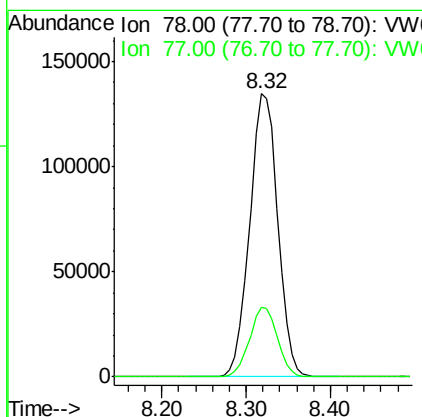
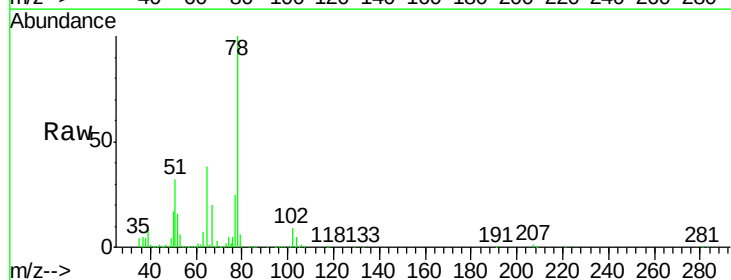
Manual Integrations
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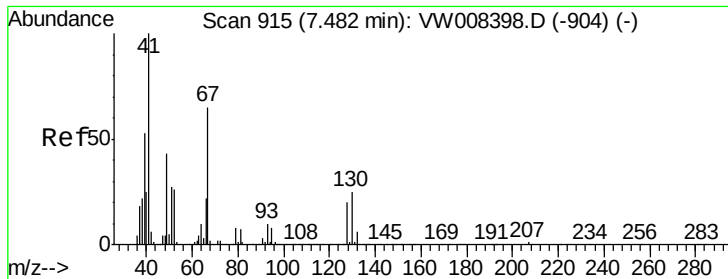
MMDadoda
1/30/2019 9:39:40 AM



#40
Benzene
Concen: 18.157 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	306936		
77	24.4	19.0	28.6	





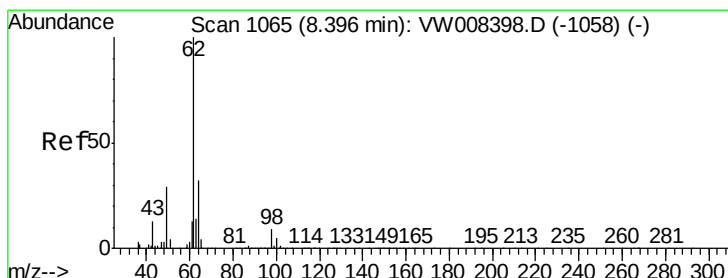
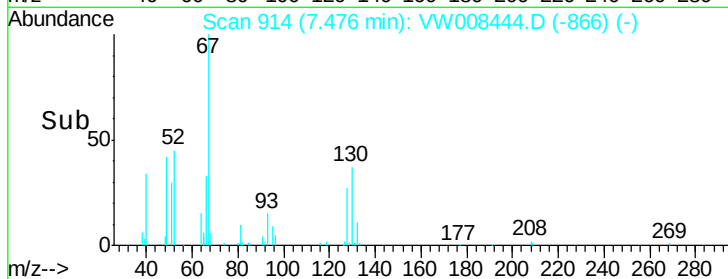
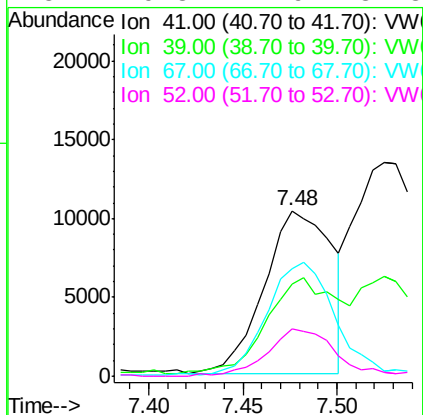
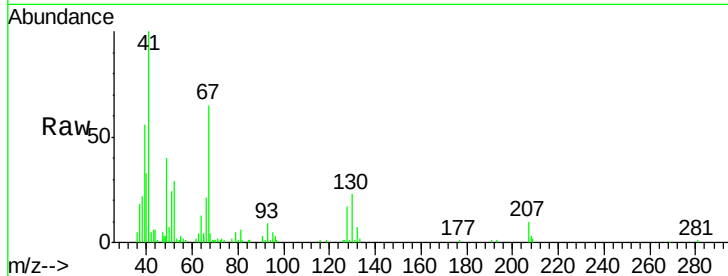
#41
Methacrylonitrile
Concen: 16.083 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	41	Resp:	25666
Ion Ratio	Lower	Upper	
41	100		
39	63.3	43.4	65.0
67	71.8	54.2	81.2
52	29.8	22.9	34.3

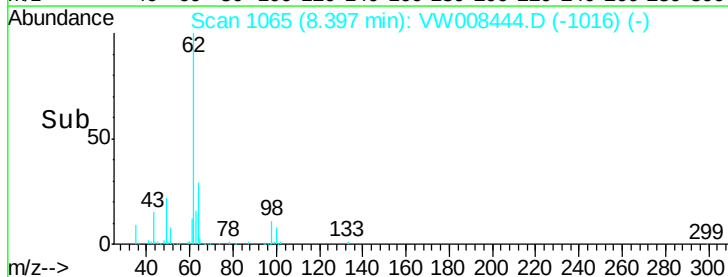
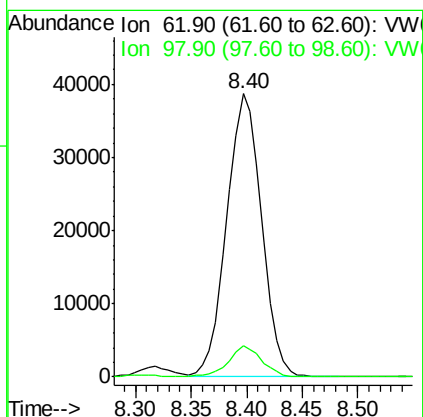
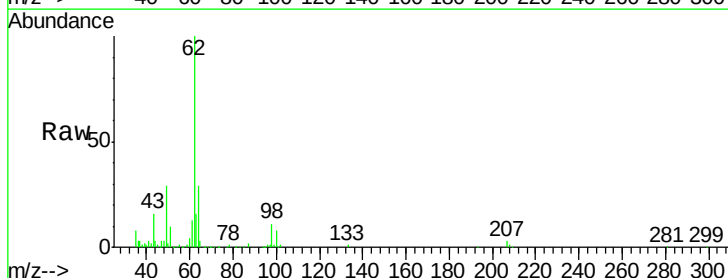
Manual Integrations
APPROVED

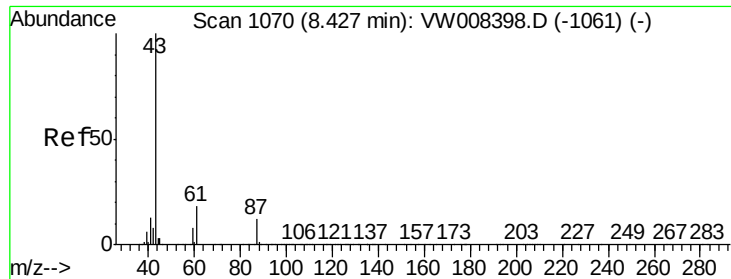
MMDadoda
1/30/2019 9:39:40 AM



#42
1,2-Dichloroethane
Concen: 17.107 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	62	Resp:	83806
Ion Ratio	Lower	Upper	
62	100		
98	10.6	0.0	18.6





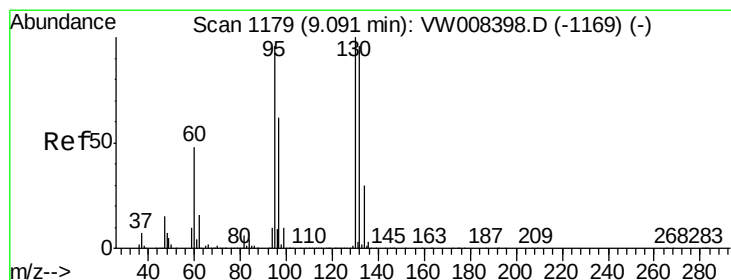
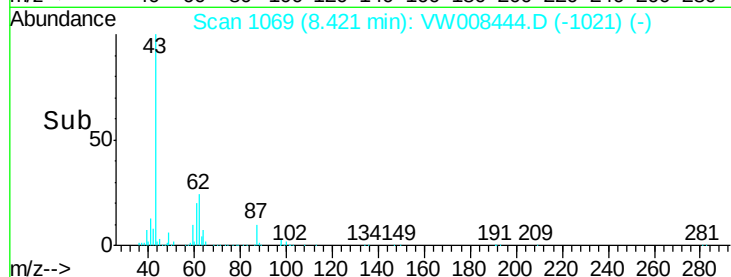
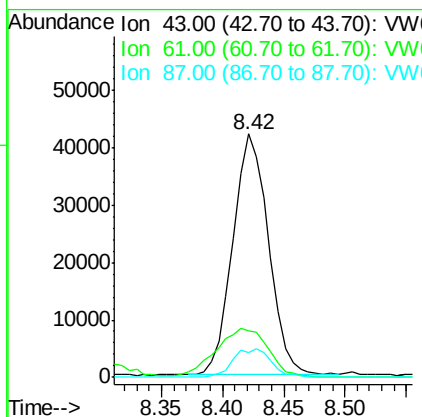
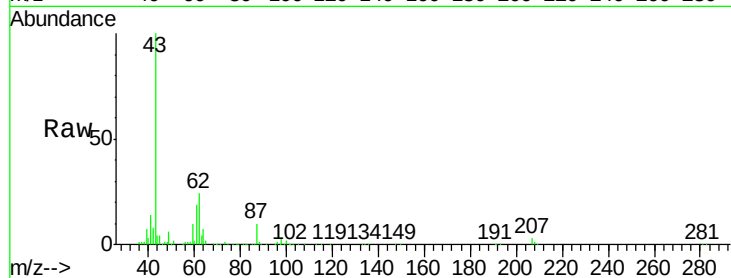
#43
Isopropyl Acetate
Concen: 15.171 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	22.0	33.0
87	12.7	9.3	13.9

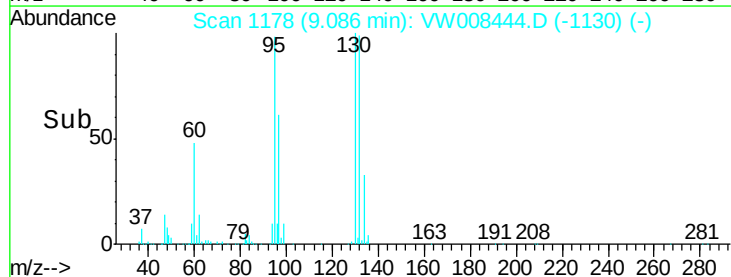
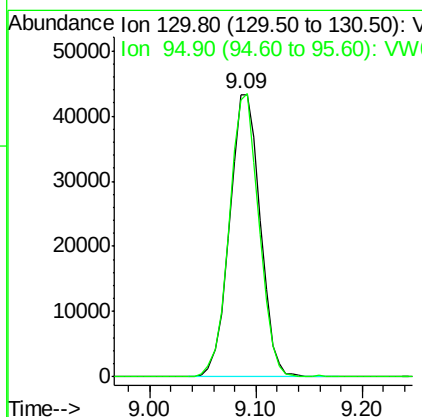
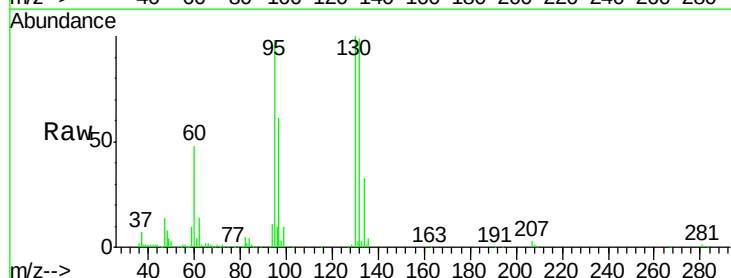
Manual Integrations
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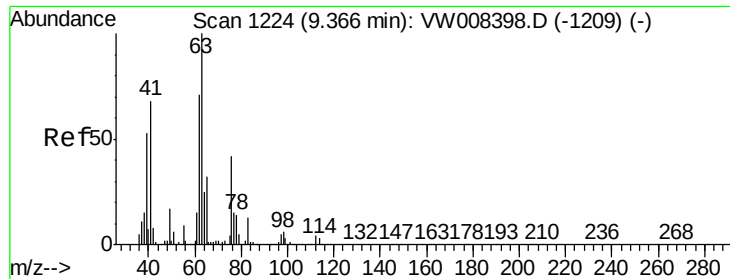
MMDadoda
1/30/2019 9:39:40 AM



#44
Trichloroethene
Concen: 19.012 ug/l
RT: 9.09 min Scan# 1178
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	191.6





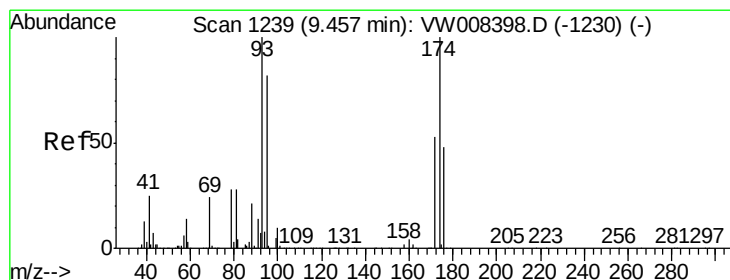
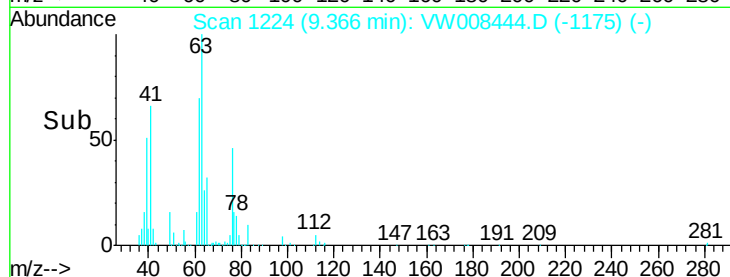
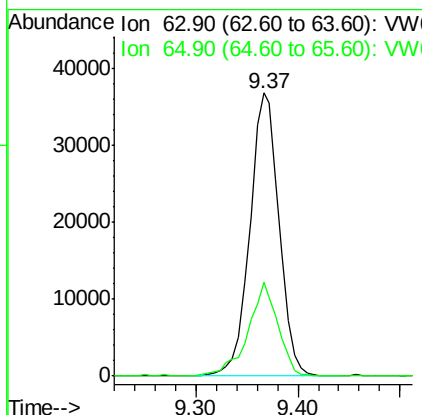
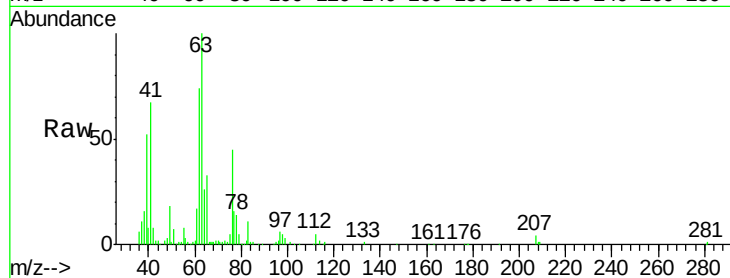
#45
 1,2-Dichloropropane
 Concen: 17.494 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.2	37.8

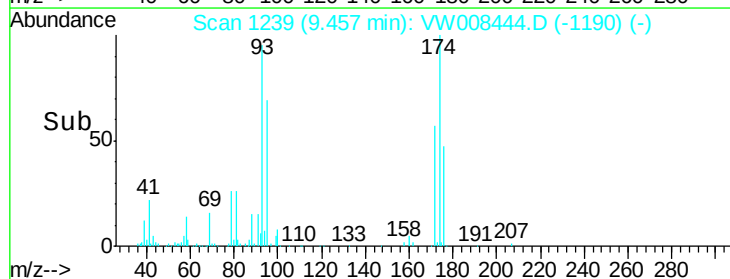
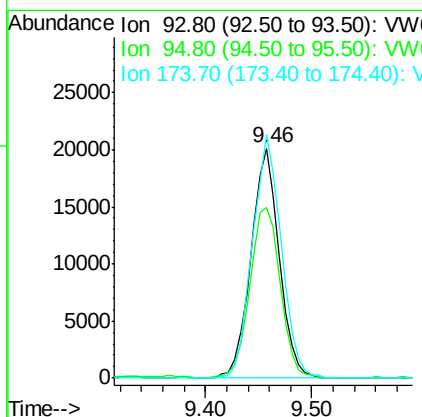
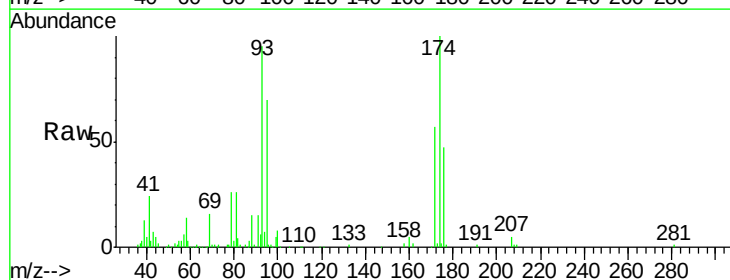
Manual Integrations
 APPROVED

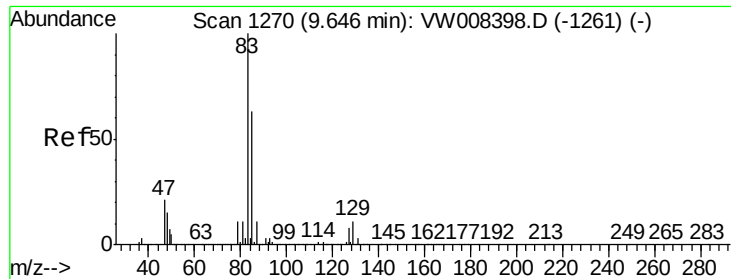
MMDadoda
 1/30/2019 9:39:40 AM



#46
 Dibromomethane
 Concen: 17.332 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.4	65.9	98.9
174	108.1	81.0	121.6





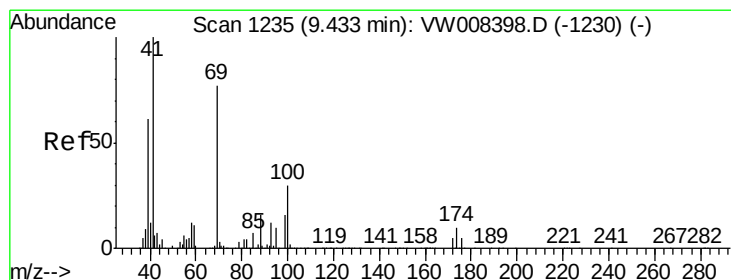
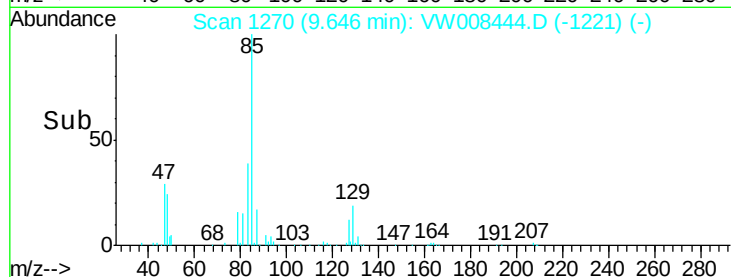
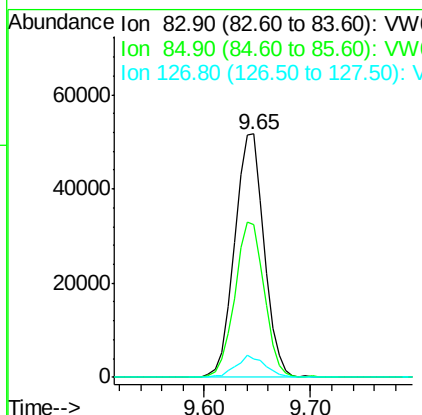
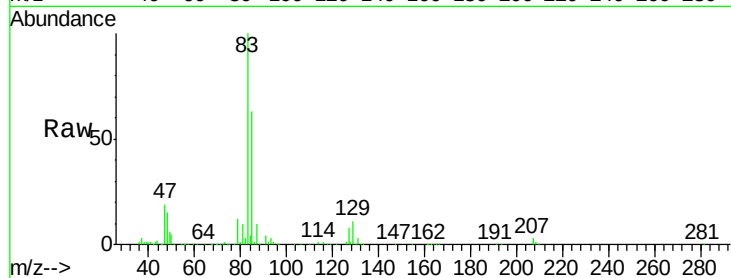
#47
Bromodichloromethane
Concen: 17.576 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	100779		
85	62.4		50.8	76.2
127	7.6		6.8	10.2

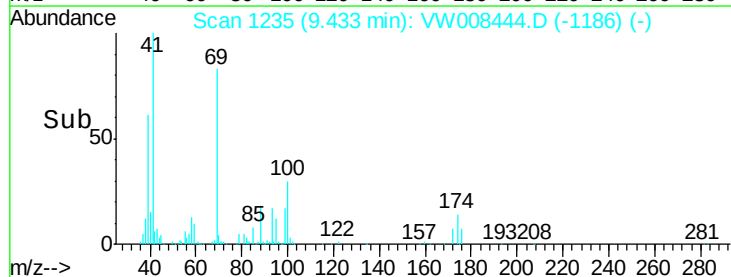
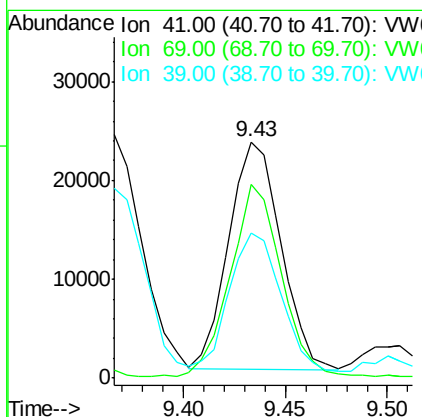
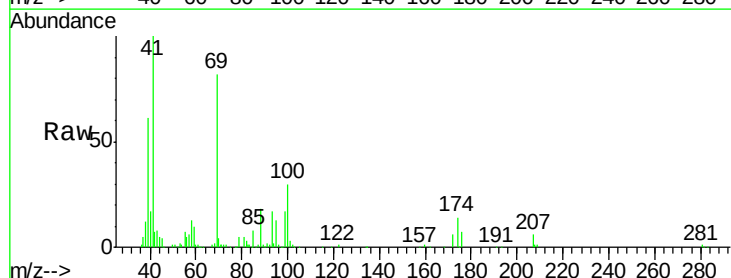
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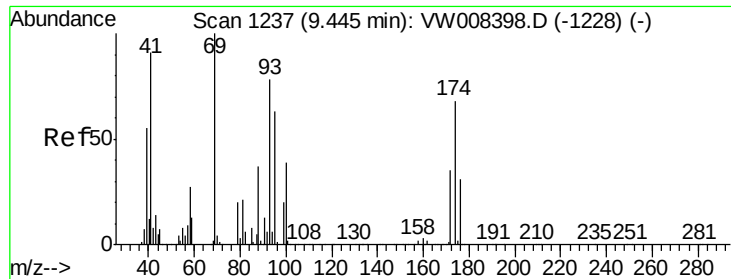
MMDadoda
1/30/2019 9:39:40 AM



#48
Methyl methacrylate
Concen: 14.908 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	40816		
69	83.1		64.8	97.2
39	65.4		49.1	73.7





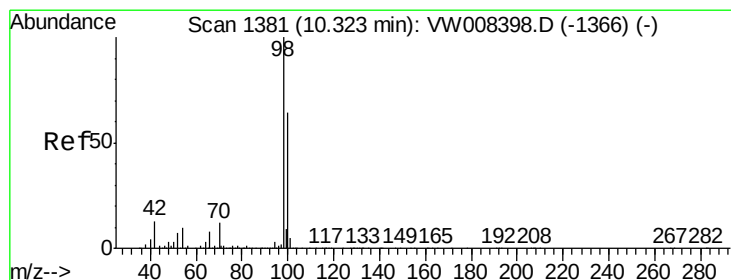
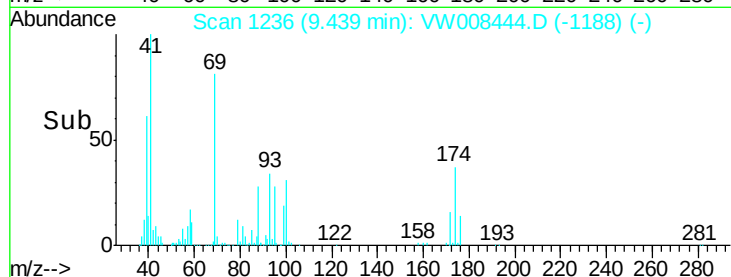
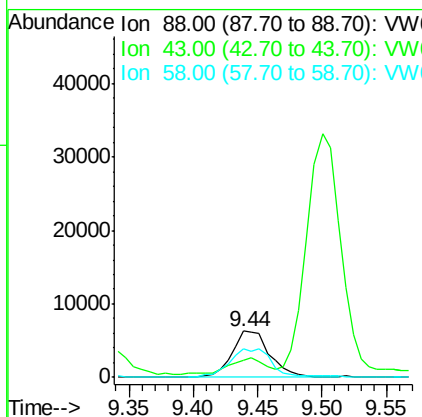
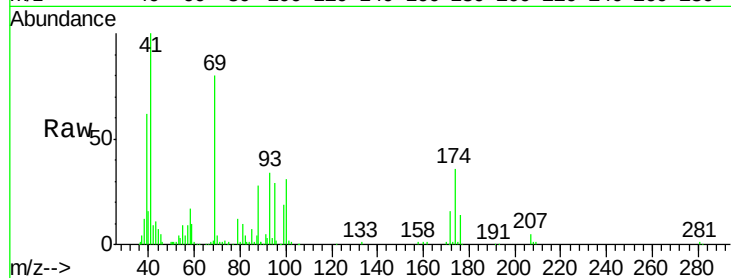
#49
1,4-Dioxane
Concen: 351.330 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.0	43.4
58	68.2	56.4	84.6

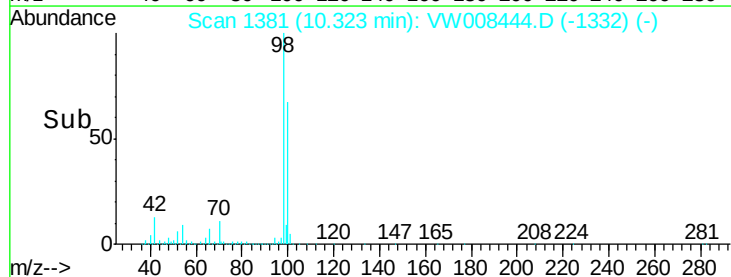
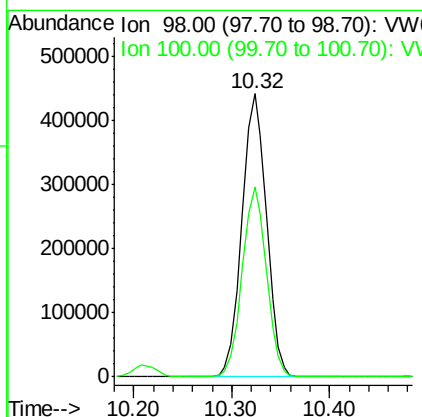
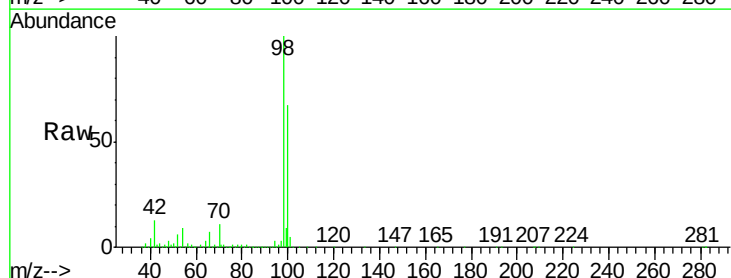
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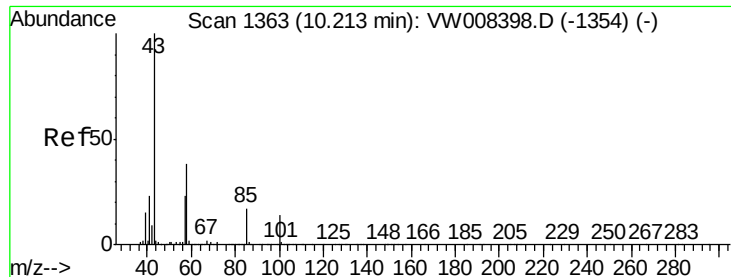
MMDadoda
1/30/2019 9:39:40 AM



#50
Toluene-d8
Concen: 50.991 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





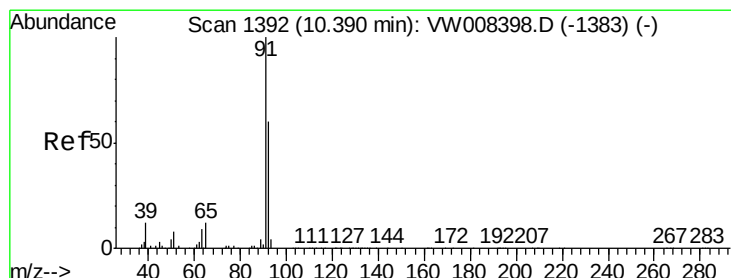
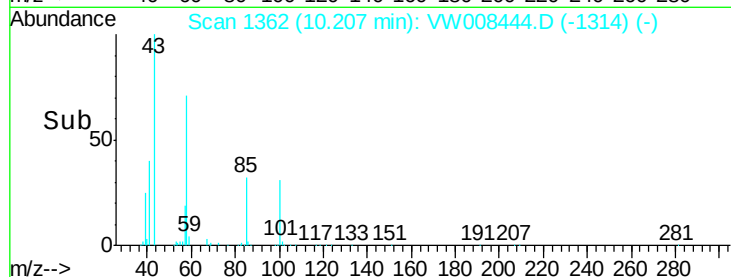
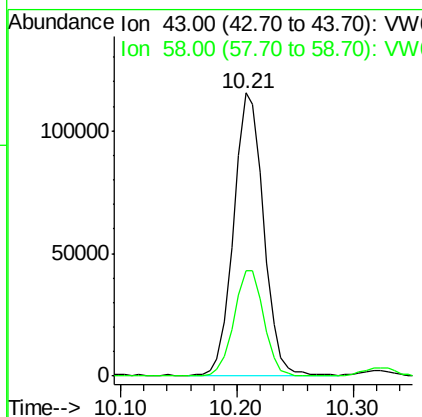
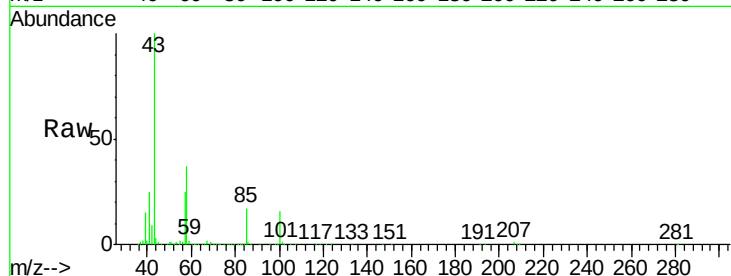
#51
4-Methyl-2-Pentanone
Concen: 74.732 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	43	Resp	206730
Ion Ratio	100	Lower	Upper
58	37.5	29.7	44.5

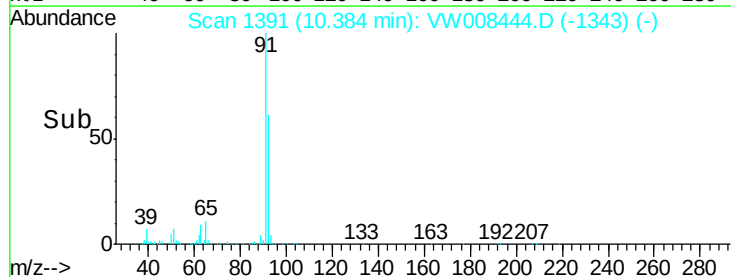
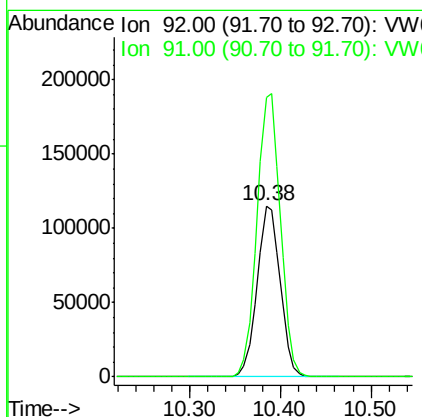
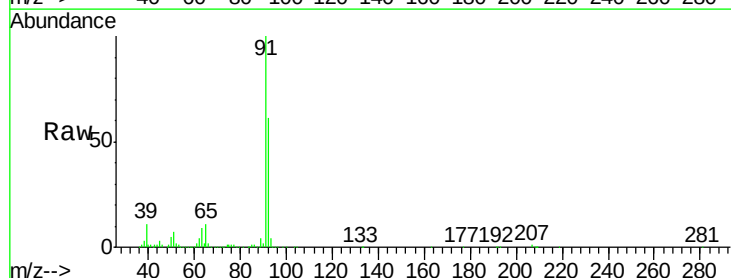
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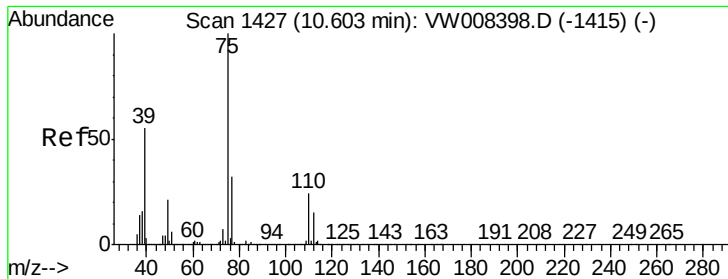
MMDadoda
1/30/2019 9:39:40 AM



#52
Toluene
Concen: 18.139 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	92	Resp	202411
Ion Ratio	100	Lower	Upper
91	168.7	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 16.678 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 75 Resp: 101760

Ion Ratio Lower Upper

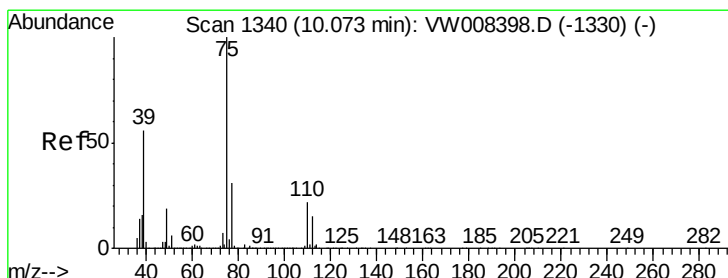
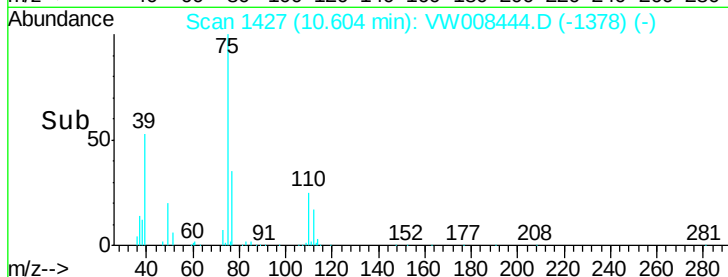
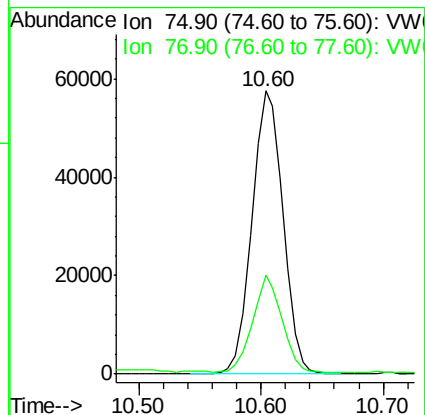
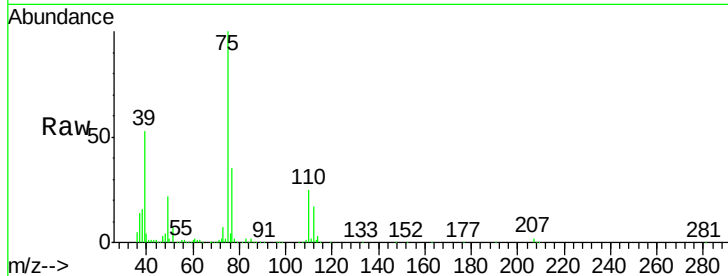
75 100

77 34.4 25.3 37.9

Manual Integrations
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MMDadoda

1/30/2019 9:39:40 AM



#54

cis-1,3-Dichloropropene

Concen: 17.376 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

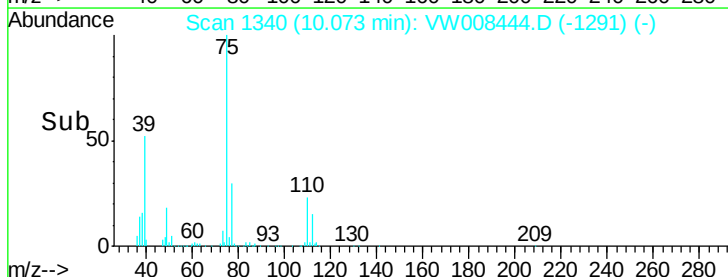
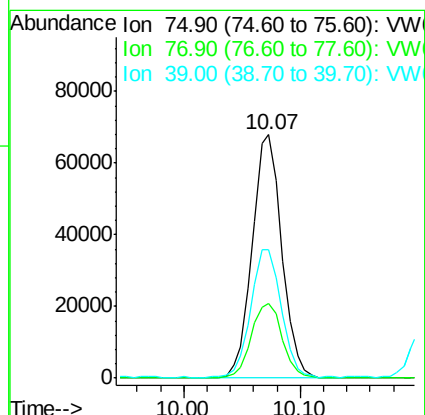
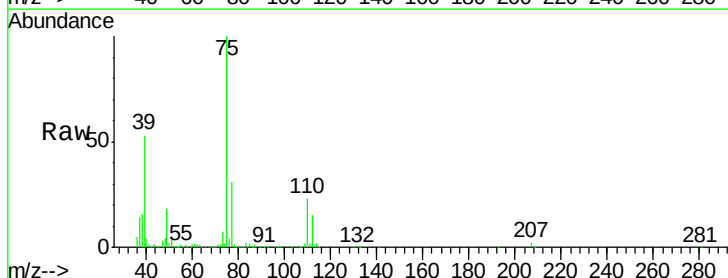
Tgt Ion: 75 Resp: 120318

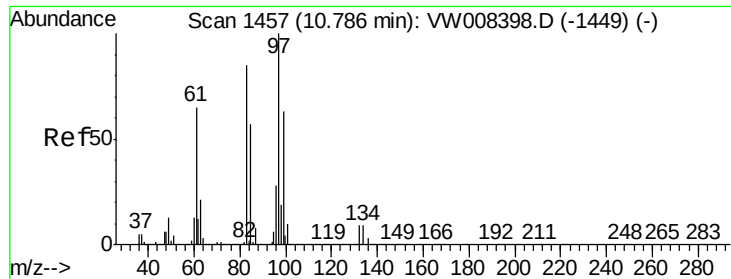
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 52.7 44.9 67.3





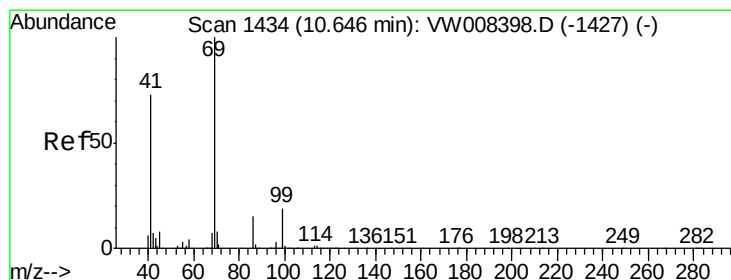
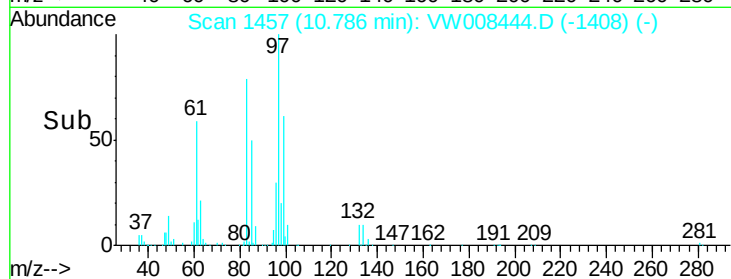
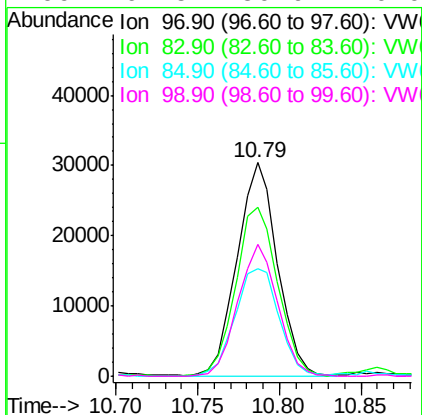
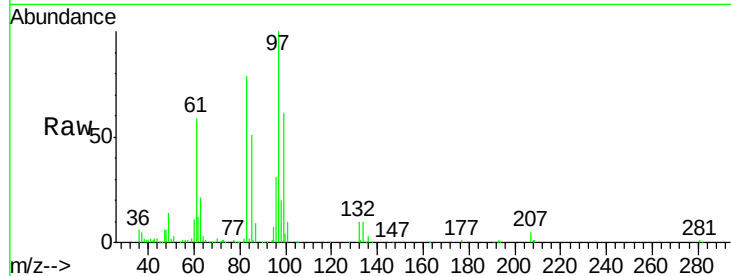
#55
 1,1,2-Trichloroethane
 Concen: 17.430 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		52411		
83	78.5	68.4	102.6		
85	50.6	45.3	67.9		
99	61.5	50.6	76.0		

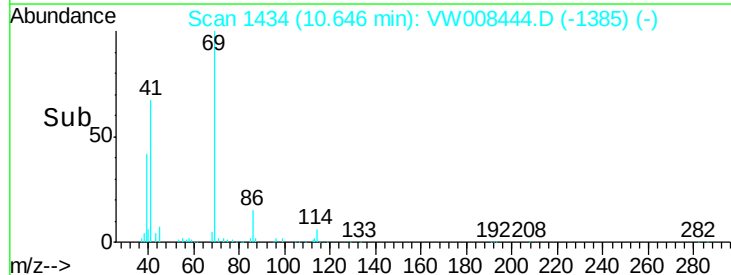
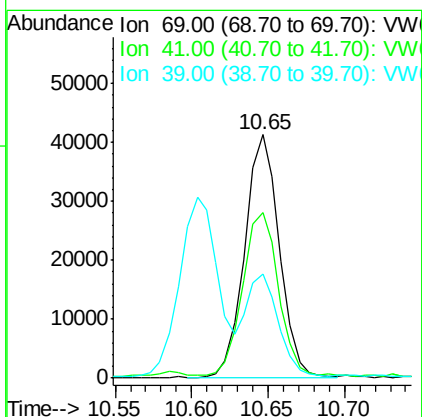
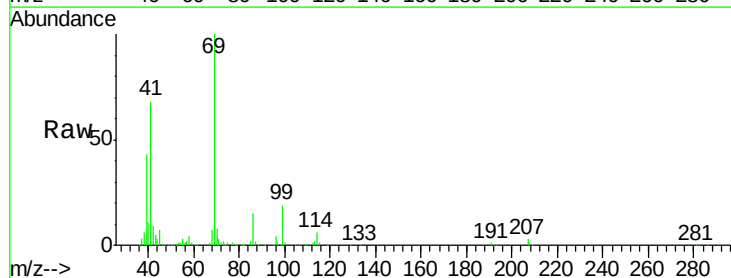
Manual Integrations
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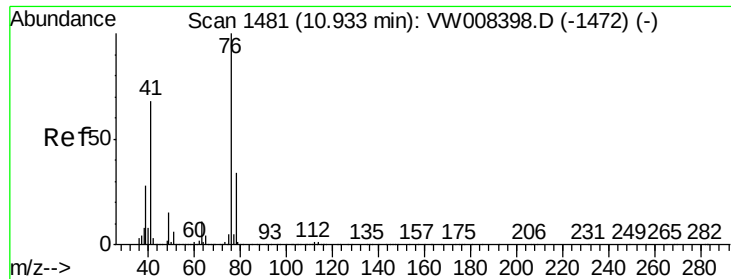
MMDadoda
 1/30/2019 9:39:40 AM



#56
 Ethyl methacrylate
 Concen: 15.338 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64626		
41	69.9	58.7	88.1		
39	39.4	32.6	48.8		





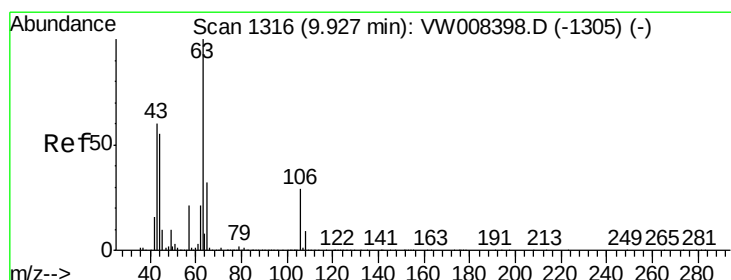
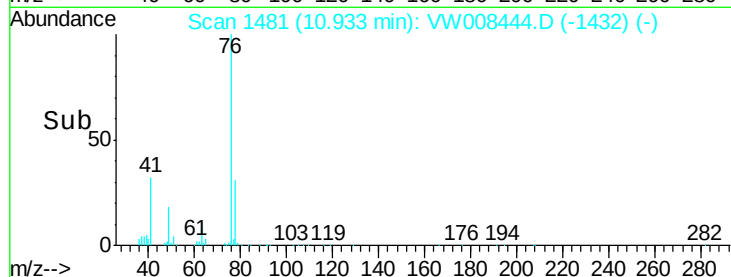
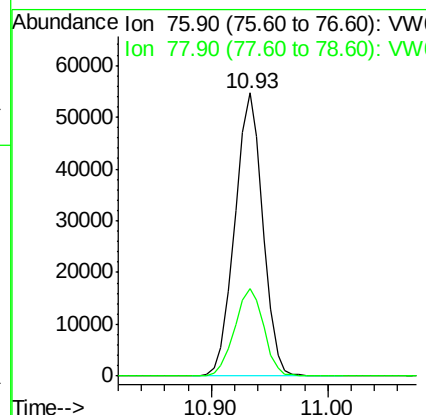
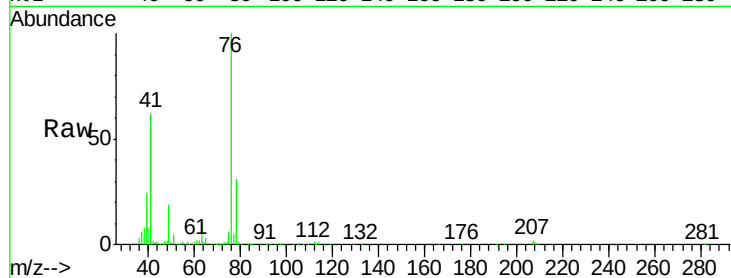
#57
 1,3-Dichloropropane
 Concen: 16.942 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

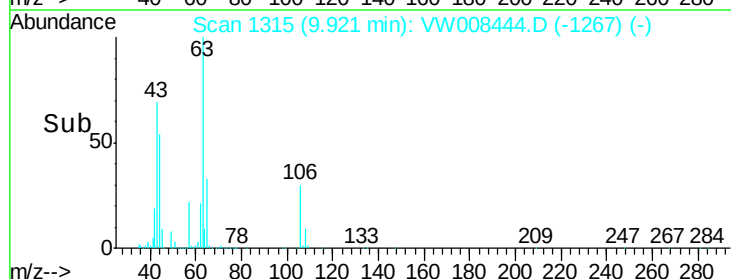
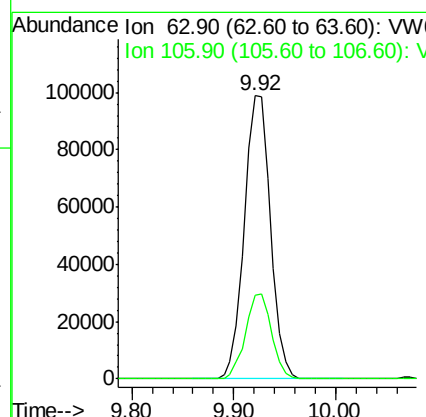
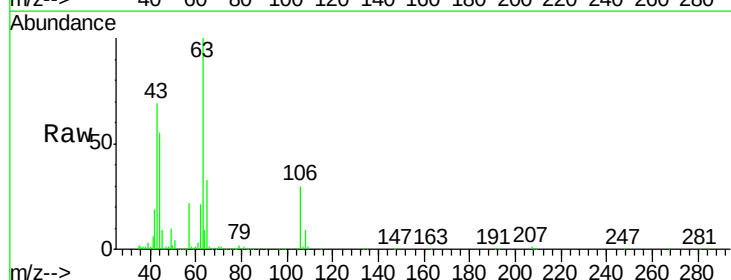
Manual Integrations
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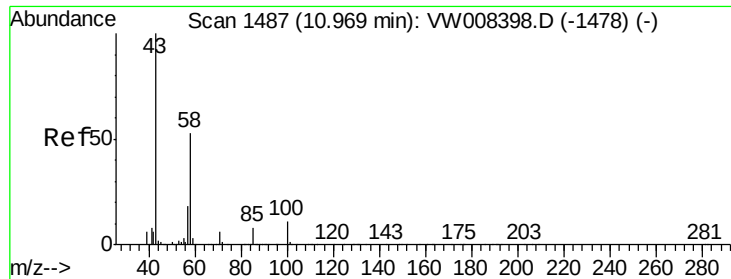
MMDadoda
 1/30/2019 9:39:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 85.840 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.4	33.6





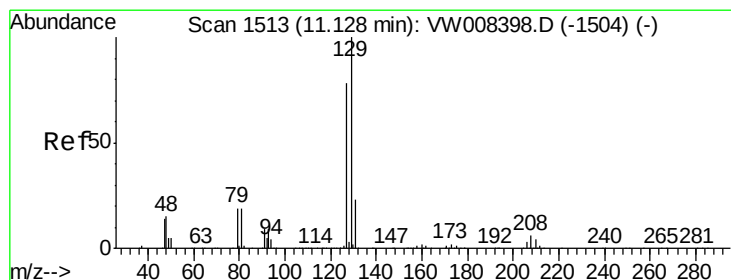
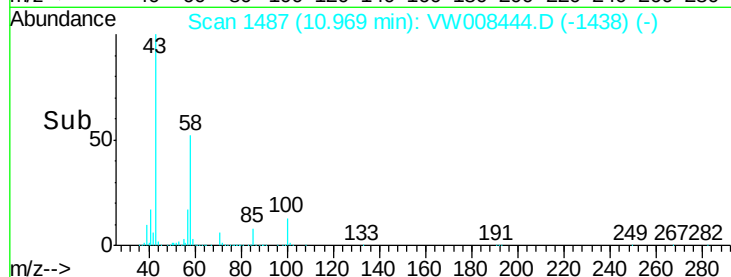
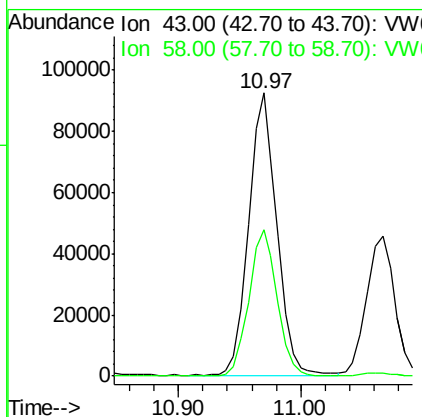
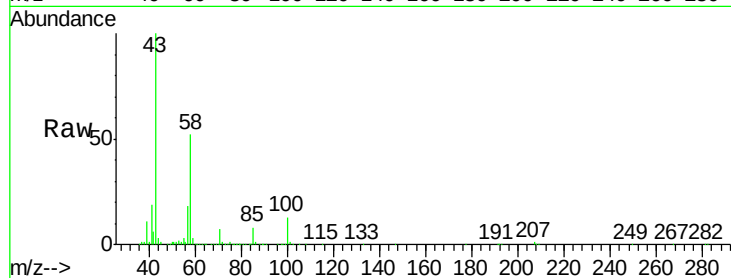
#59
2-Hexanone
Concen: 75.322 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion: 43 Resp: 147096
Ion Ratio Lower Upper
43 100
58 52.2 25.9 77.7

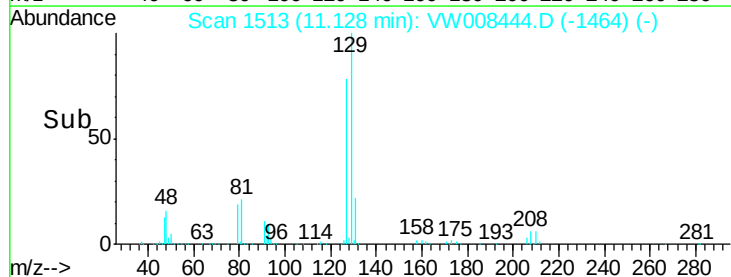
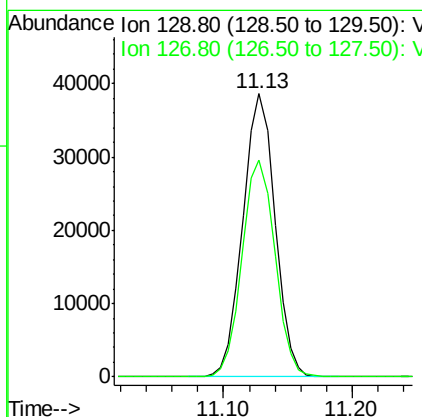
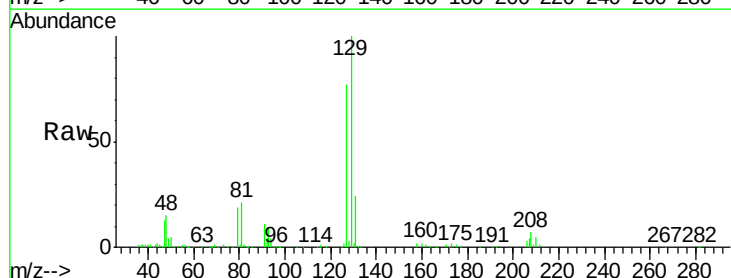
Manual Integrations
APPROVED

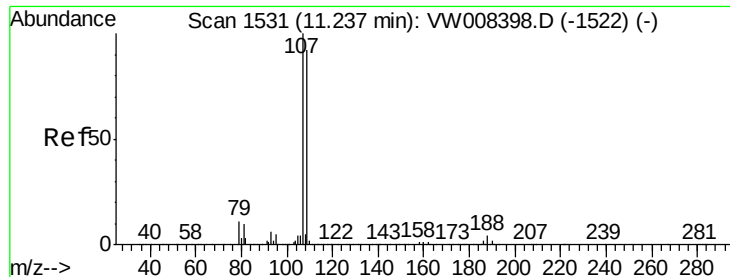
MMDadoda
1/30/2019 9:39:40 AM



#60
Dibromochloromethane
Concen: 17.286 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 129 Resp: 66797
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 17.151 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 107 Resp: 51136

Ion Ratio Lower Upper

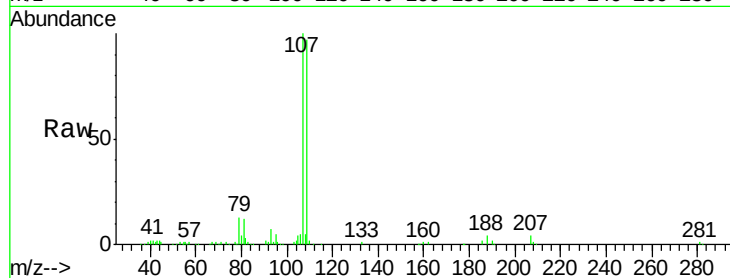
107 100

109 93.7 75.0 112.4

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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

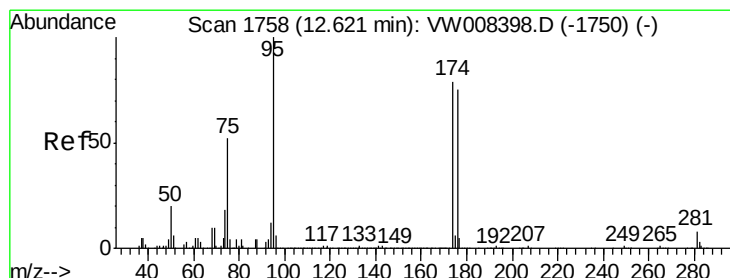
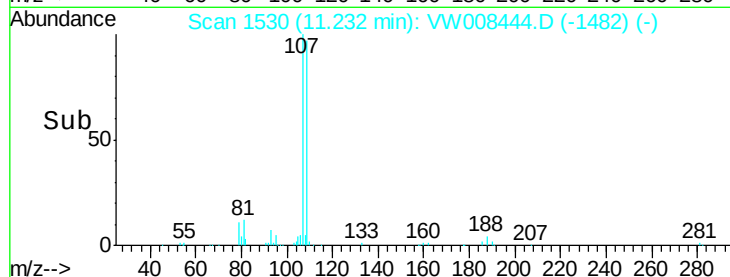
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.730 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

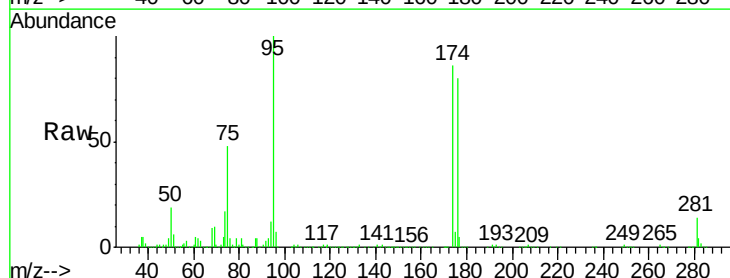
Tgt Ion: 95 Resp: 277436

Ion Ratio Lower Upper

95 100

174 83.3 0.0 157.6

176 79.8 0.0 151.8



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

200000

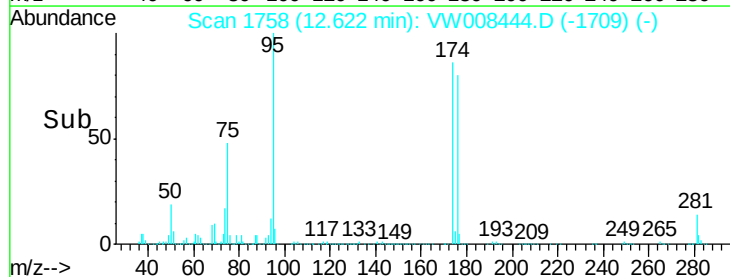
150000

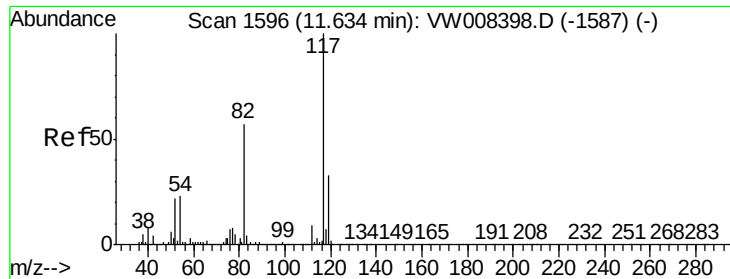
100000

50000

0

Time-->





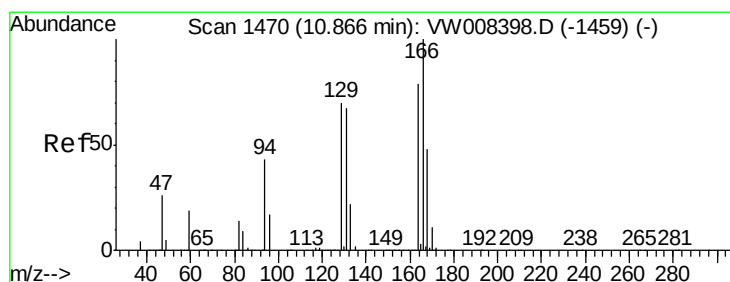
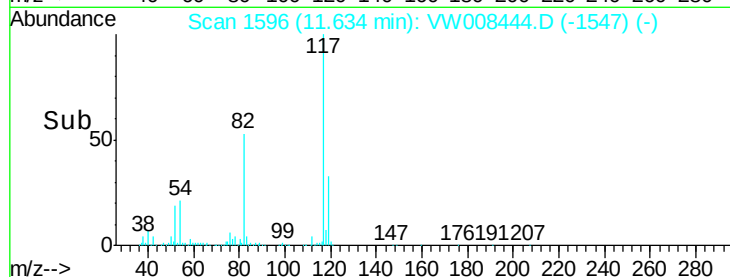
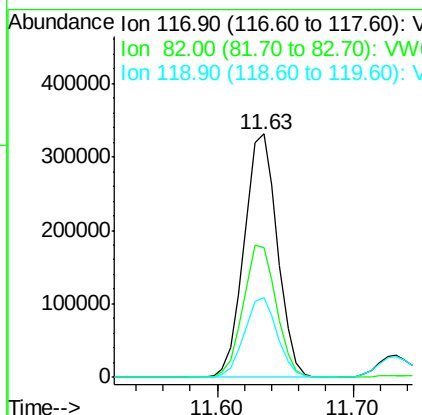
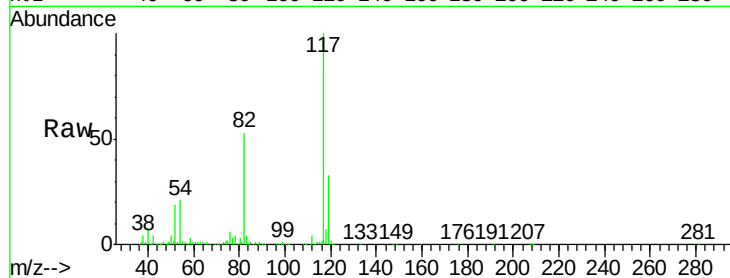
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	45.4	68.0
119	32.6	26.2	39.4

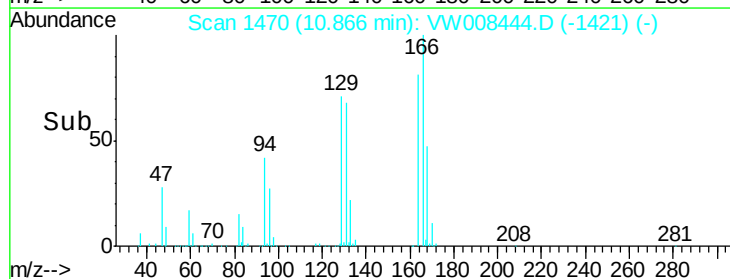
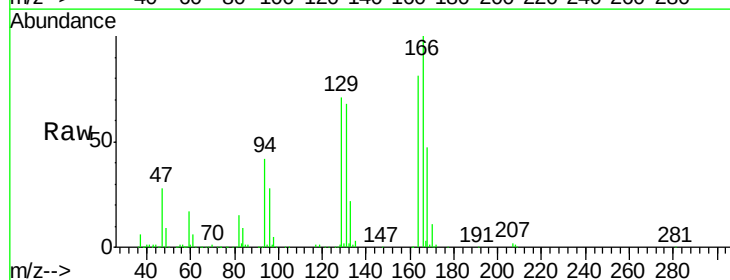
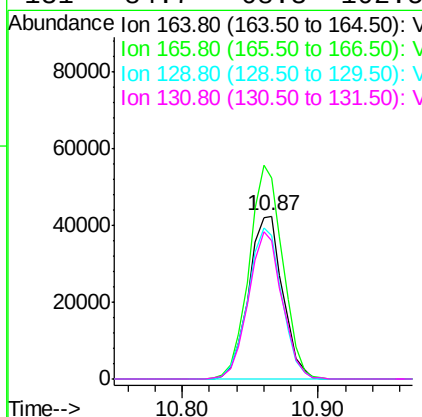
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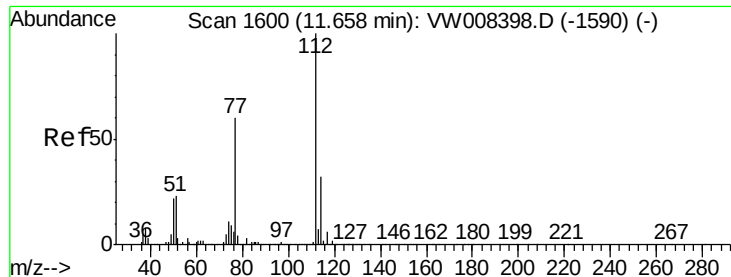
MMDadoda
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#64
Tetrachloroethene
Concen: 19.460 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	101.4	152.0
129	87.8	71.0	106.6
131	84.7	68.3	102.5





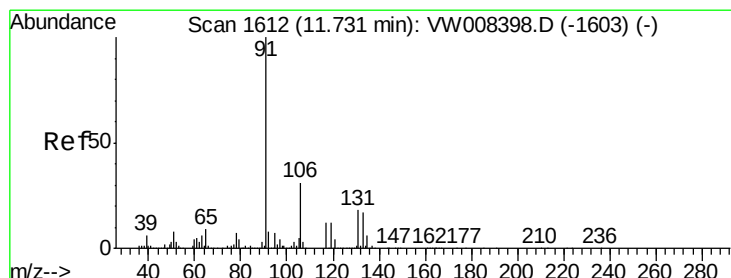
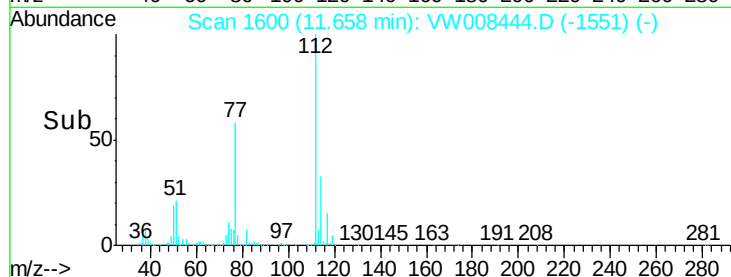
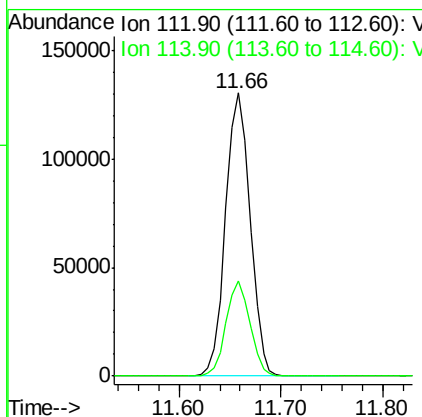
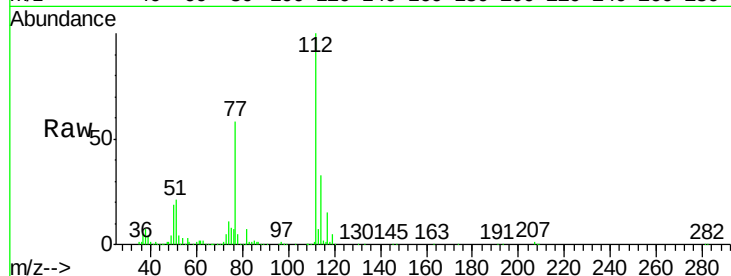
#65
Chlorobenzene
Concen: 18.843 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampled :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.4	38.2

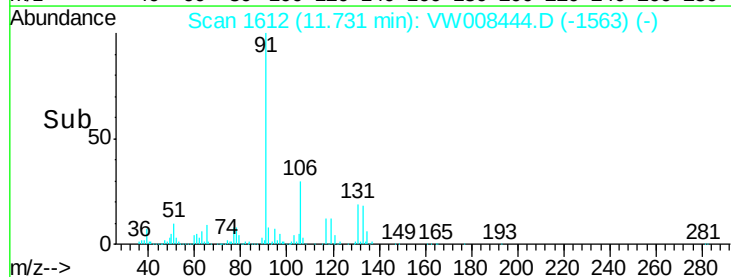
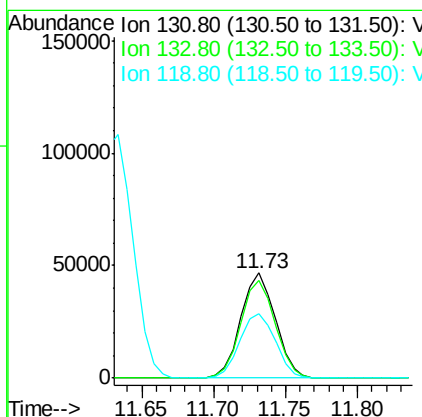
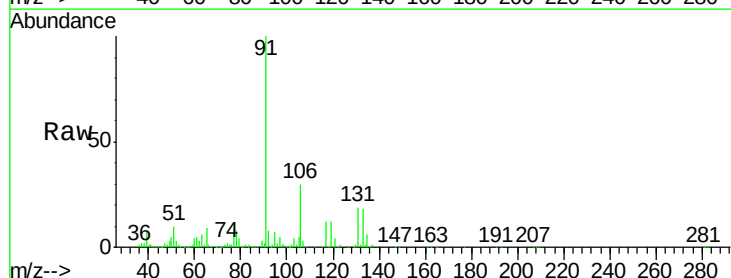
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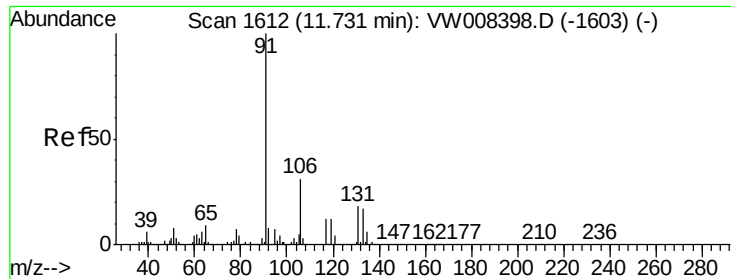
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.733 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.0	141.2
119	63.5	32.1	96.3





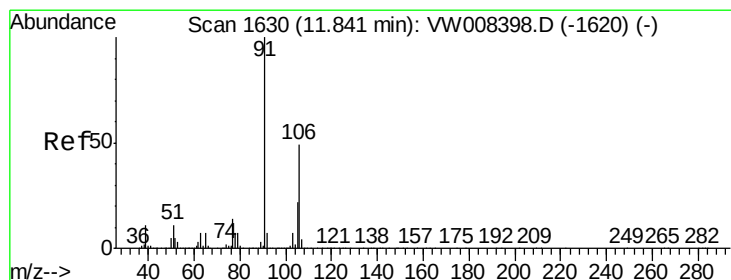
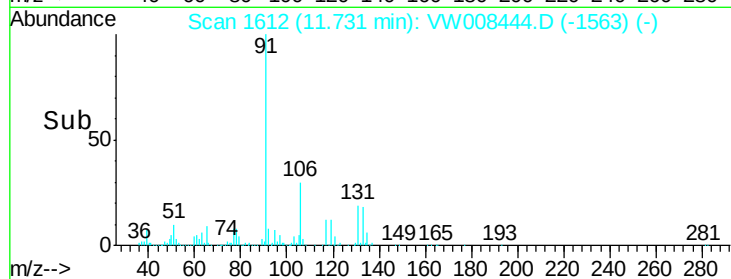
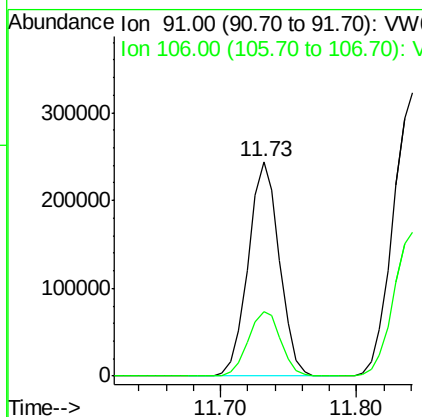
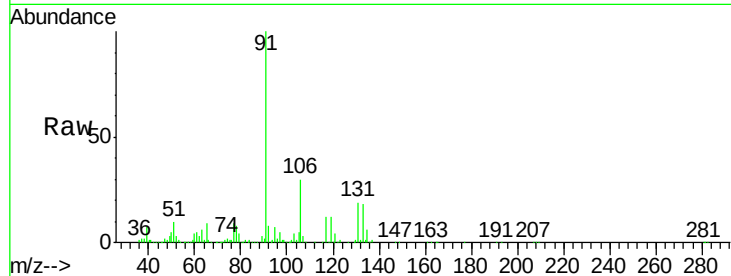
#67
Ethyl Benzene
Concen: 18.415 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion: 91 Resp: 391693
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1

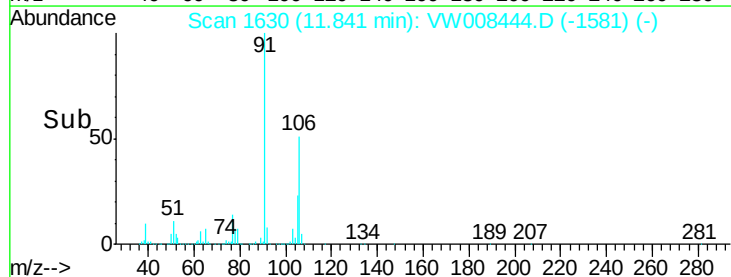
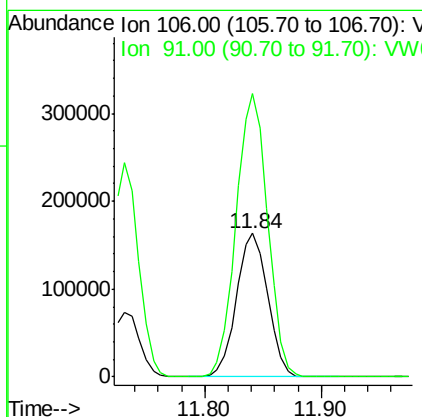
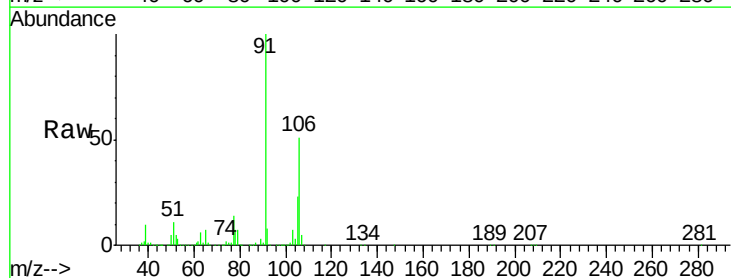
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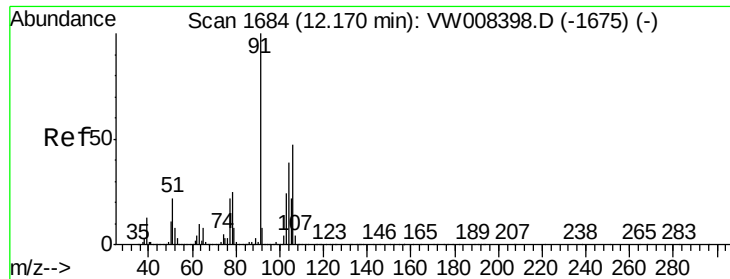
MMDadoda
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#68
m/p-Xylenes
Concen: 37.078 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion: 106 Resp: 305989
Ion Ratio Lower Upper
106 100
91 198.0 162.9 244.3





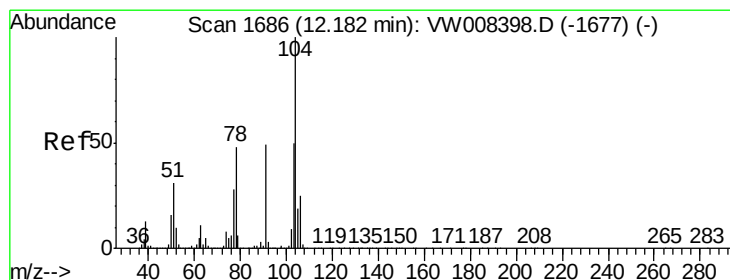
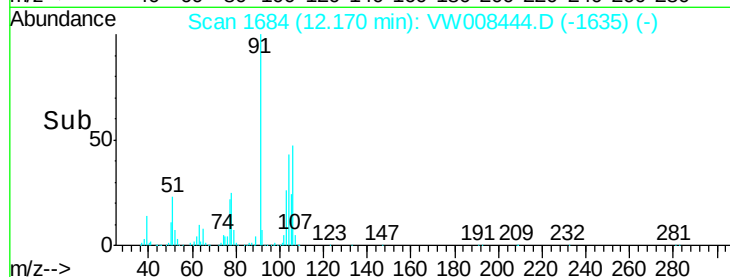
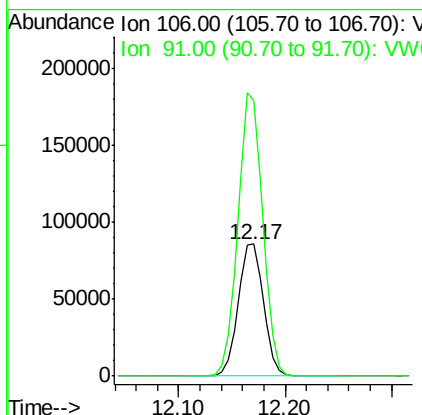
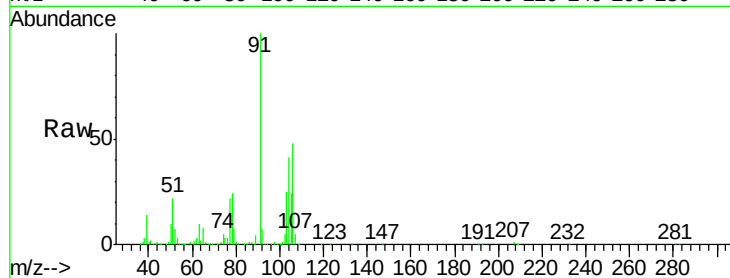
#69
o-Xylene
Concen: 18.312 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.5	107.5	322.4

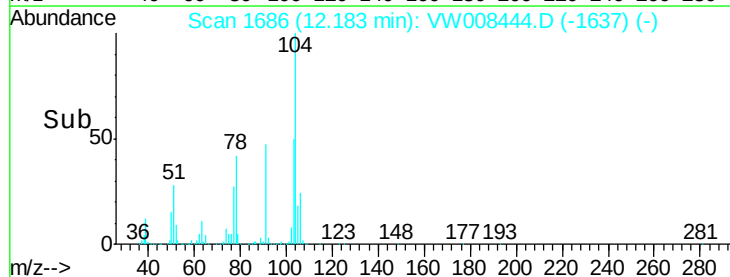
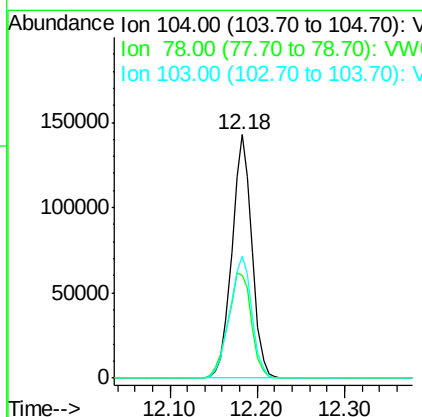
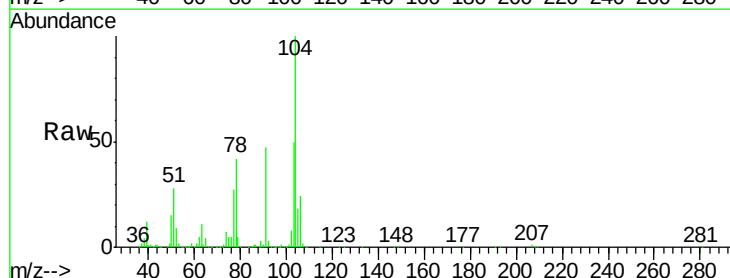
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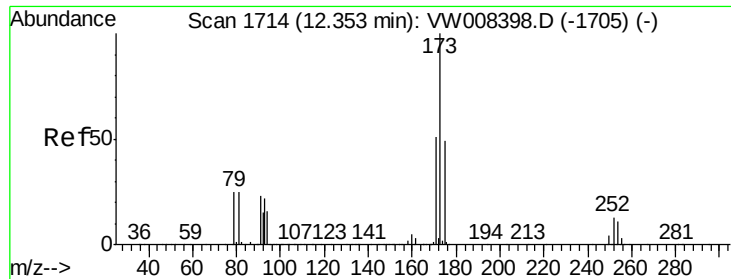
MMDadoda
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#70
Styrene
Concen: 17.522 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.4	42.4	63.6
103	55.2	43.4	65.0





#71

Bromoform

Concen: 16.869 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

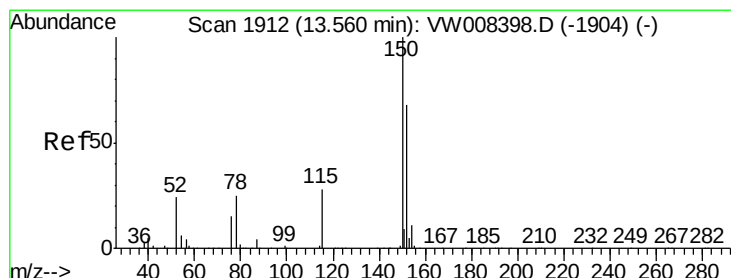
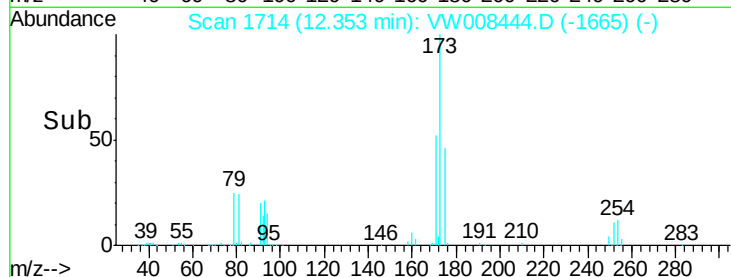
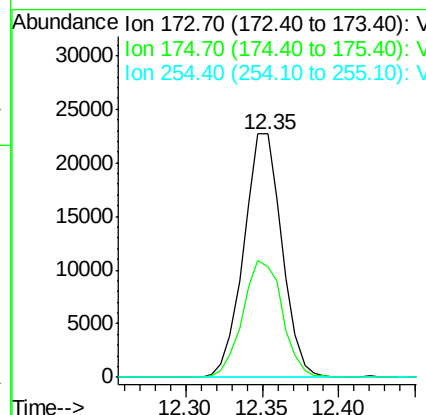
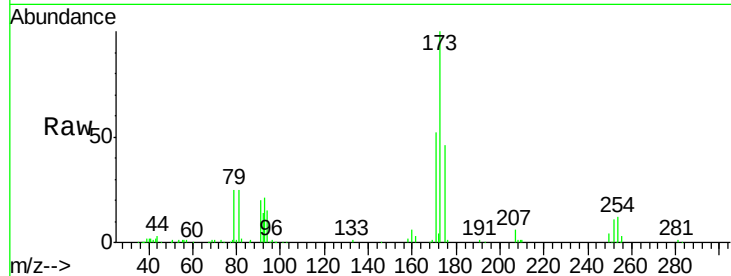
ClientSampleId :

VW0129SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.4	73.4
254	0.3	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

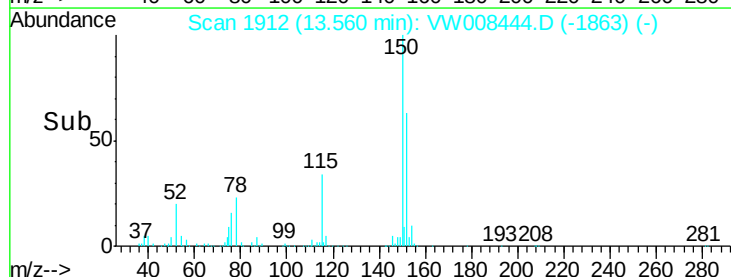
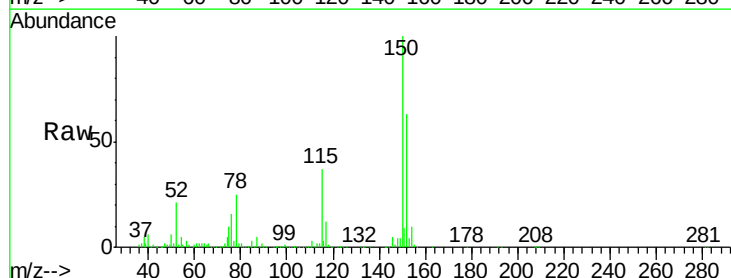
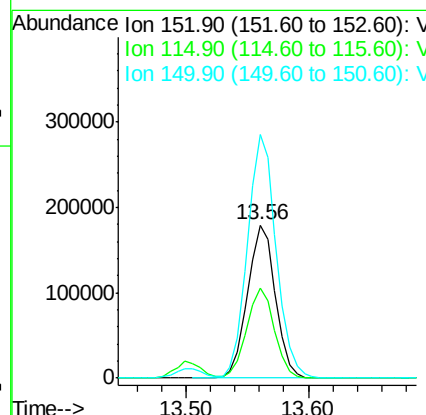
RT: 13.56 min Scan# 1912

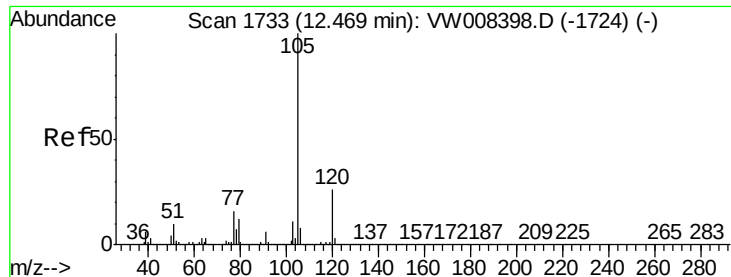
Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.9	89.7
150	164.5	0.0	351.4





#73

Isopropylbenzene

Concen: 18.879 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion:105 Resp: 397636

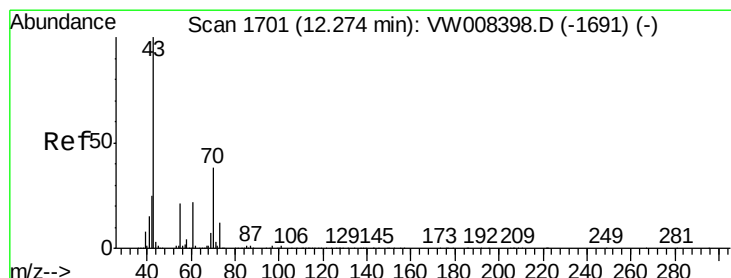
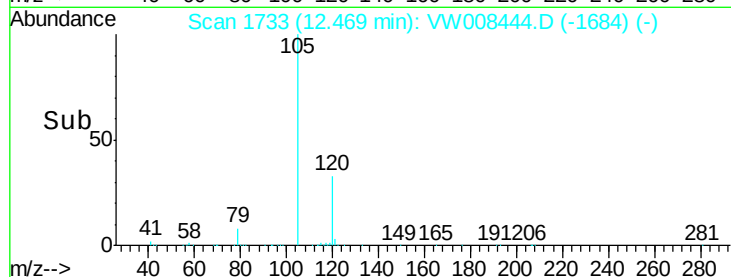
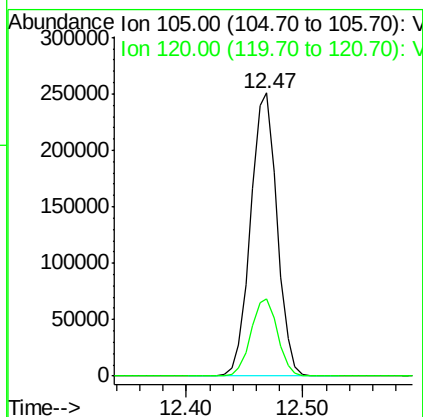
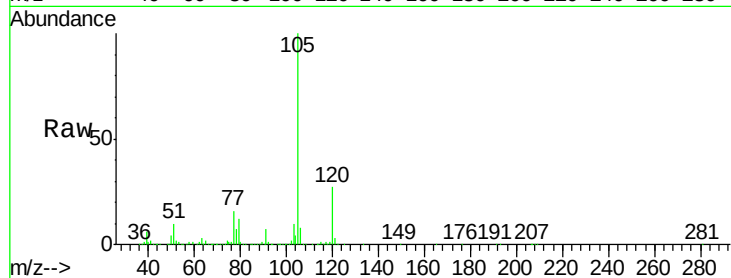
Ion Ratio Lower Upper

105 100

120 27.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 15.321 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion: 43 Resp: 83134

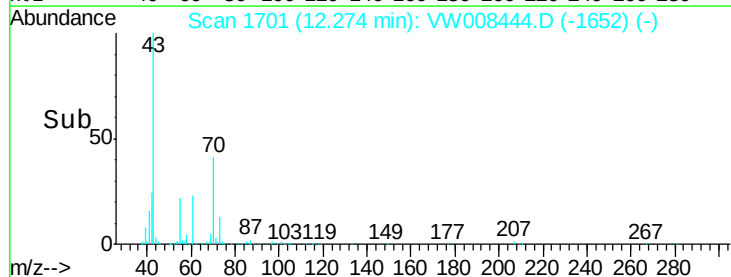
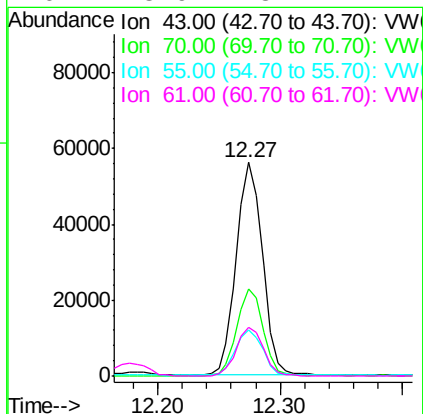
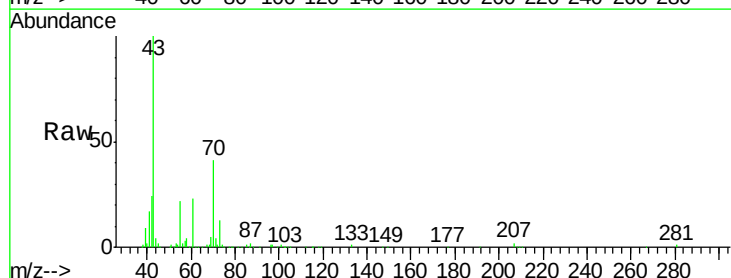
Ion Ratio Lower Upper

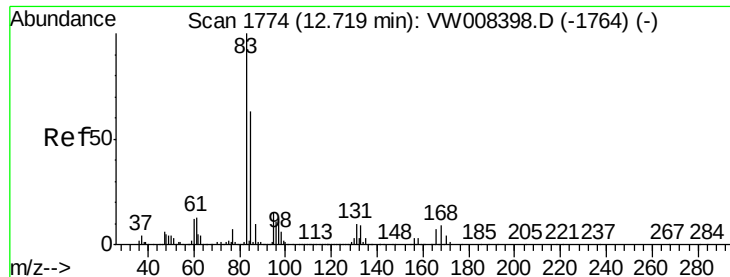
43 100

70 41.1 31.0 46.6

55 22.6 17.4 26.2

61 23.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 17.152 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

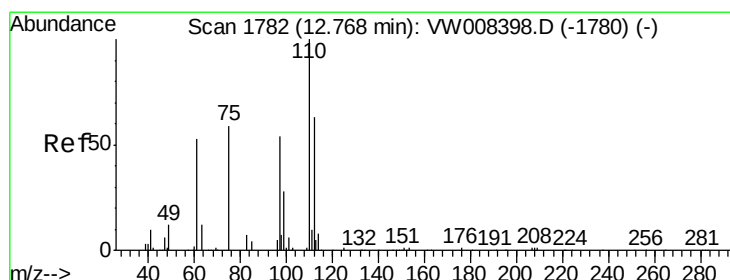
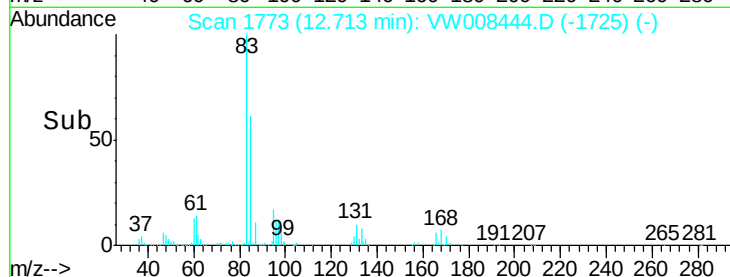
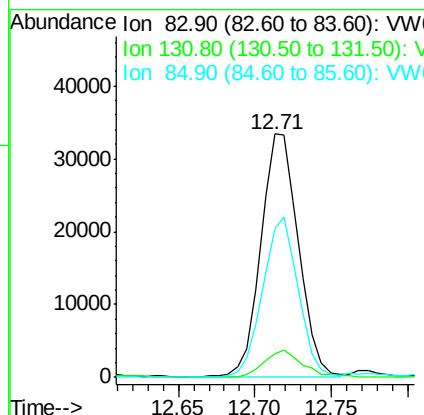
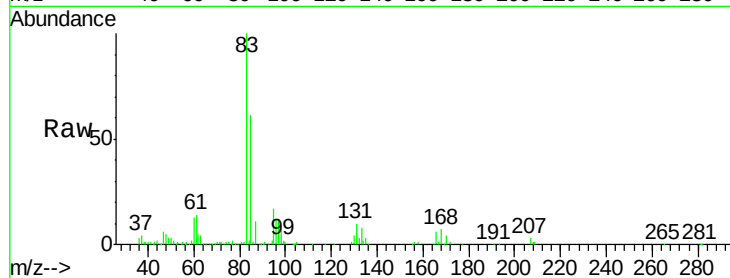
ClientSampleId :

VW0129SBS01

Tot Ion:	83	Resp:	57195
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.4
85	62.3	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 20.051 ug/l m

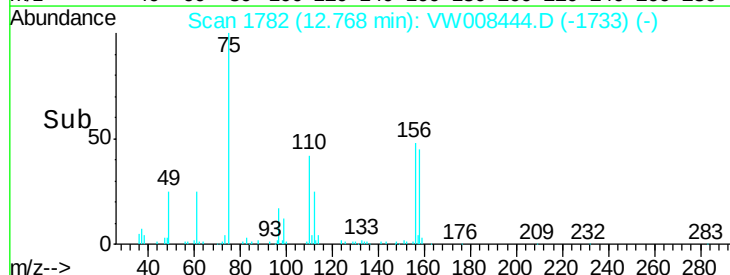
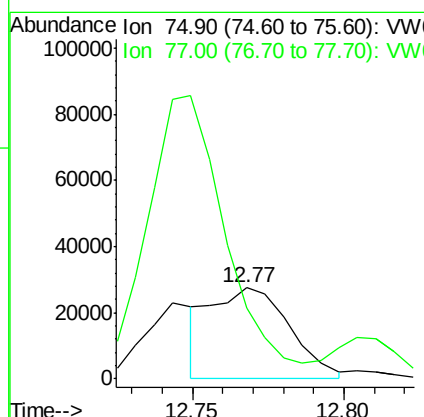
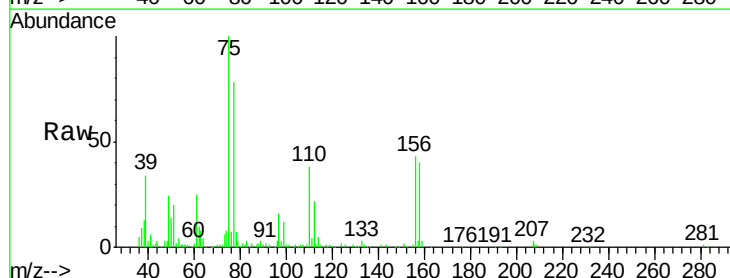
RT: 12.77 min Scan# 1782

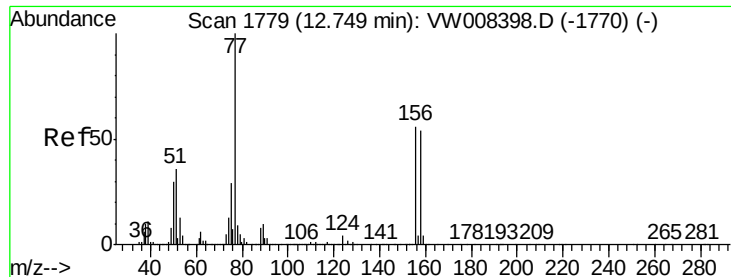
Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion:	75	Resp:	49252
Ion Ratio	Lower	Upper	
75	100		
77	315.1	180.7	542.1





#77

Bromobenzene

Concen: 19.088 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

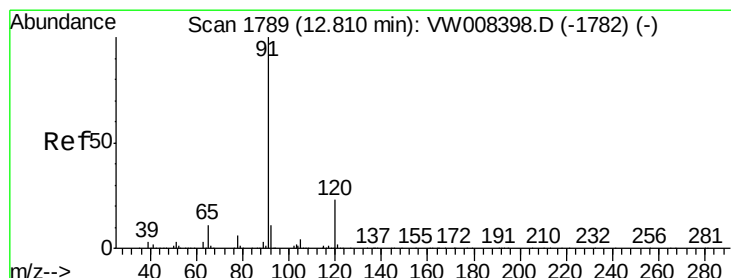
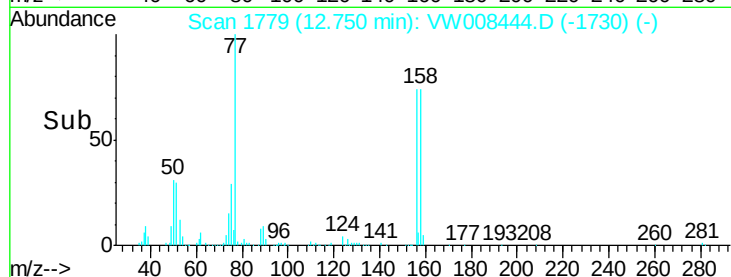
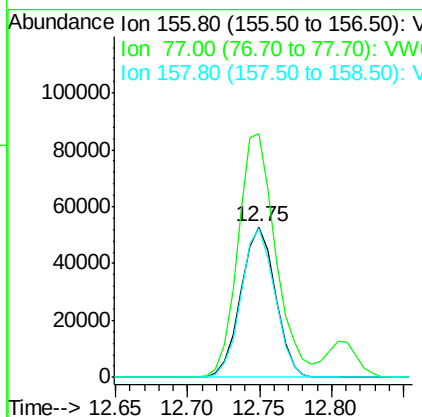
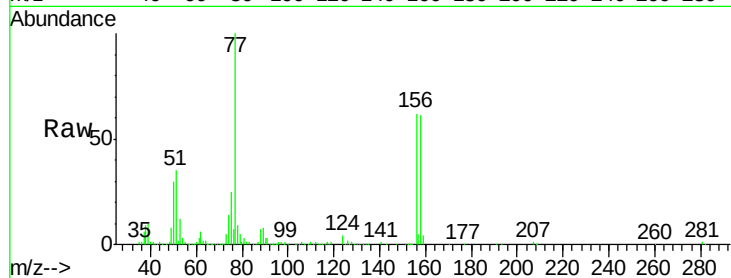
ClientSampleId :

VW0129SBS01

Tot Ion:	156	Resp:	87803
Ion Ratio	Lower	Upper	
156	100		
77	176.8	96.9	290.7
158	96.7	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.771 ug/l

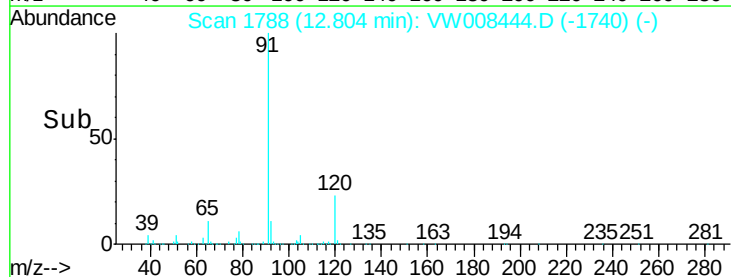
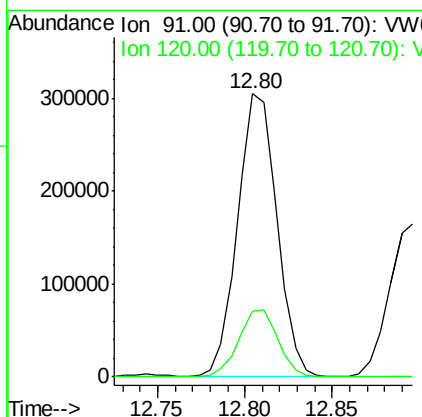
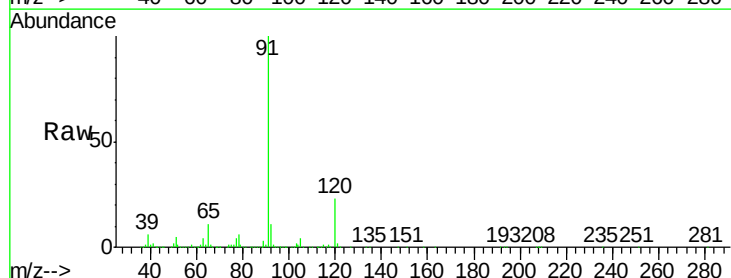
RT: 12.80 min Scan# 1788

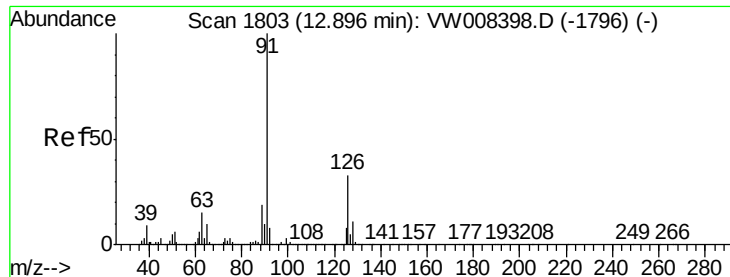
Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion:	91	Resp:	474853
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.4	34.1





#79

2-Chlorotoluene

Concen: 18.655 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion: 91 Resp: 266296

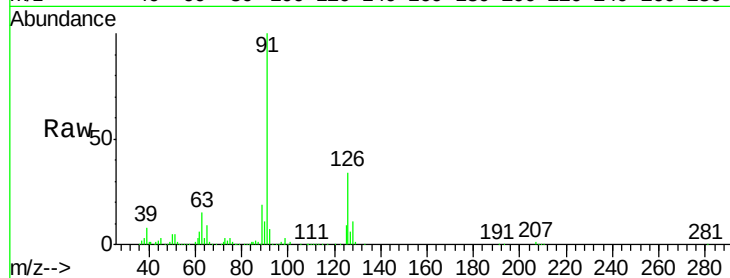
Ion Ratio Lower Upper

91 100

126 34.5 16.5 49.5

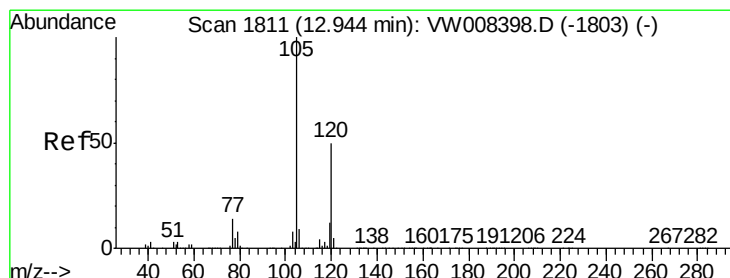
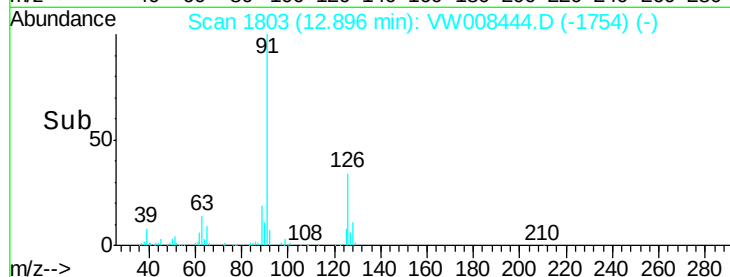
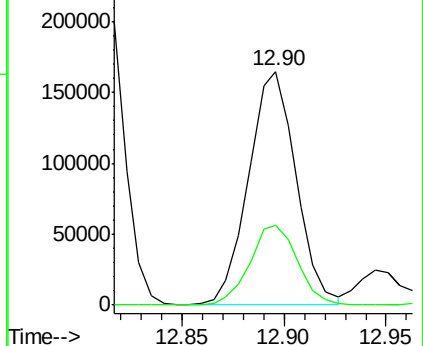
Manual Integrations
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1/30/2019 9:39:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.674 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008444.D

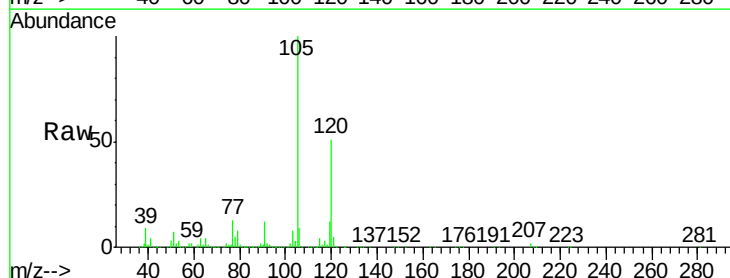
Acq: 29 Jan 2019 11:42

Tgt Ion: 105 Resp: 328748

Ion Ratio Lower Upper

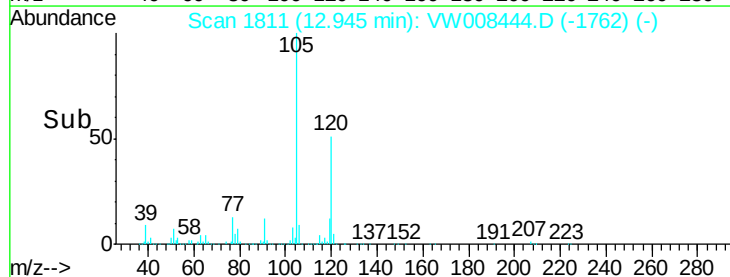
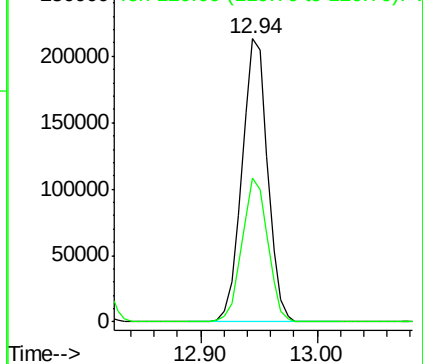
105 100

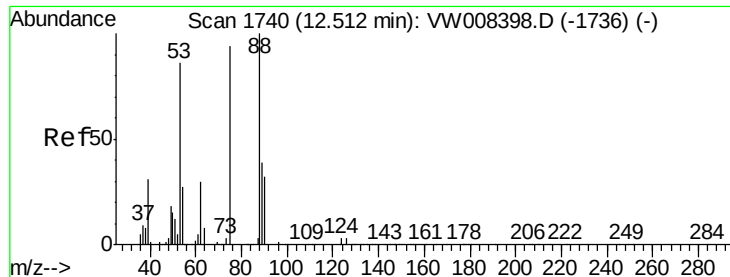
120 50.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





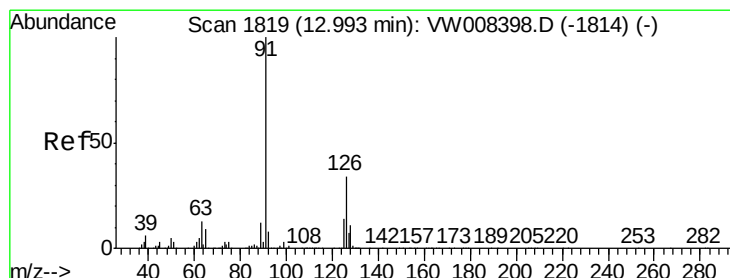
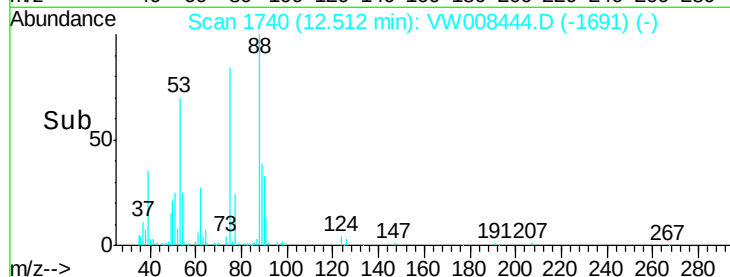
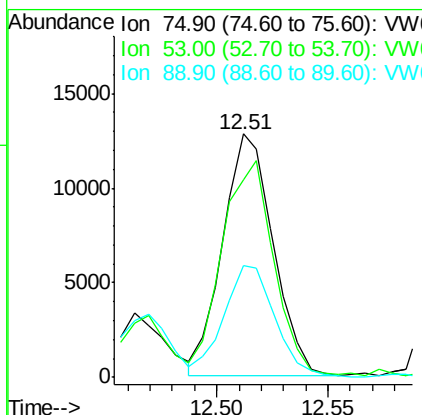
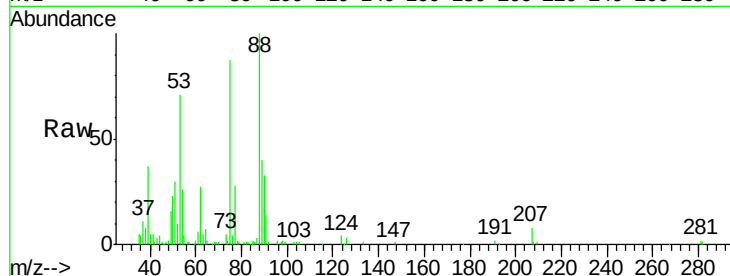
#81
trans-1,4-Dichloro-2-butene
Concen: 16.247 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	76.0	114.0
89	47.2	35.4	53.0

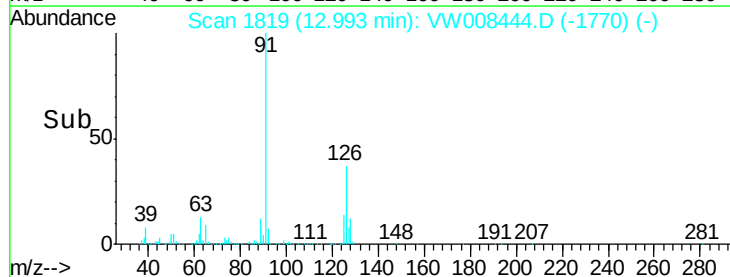
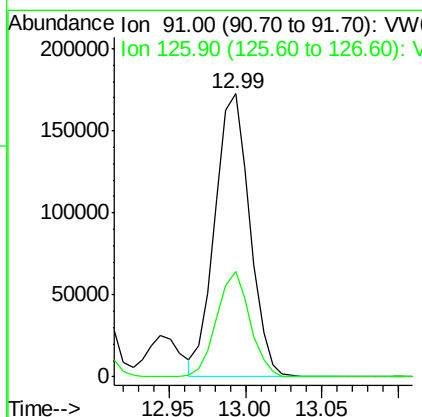
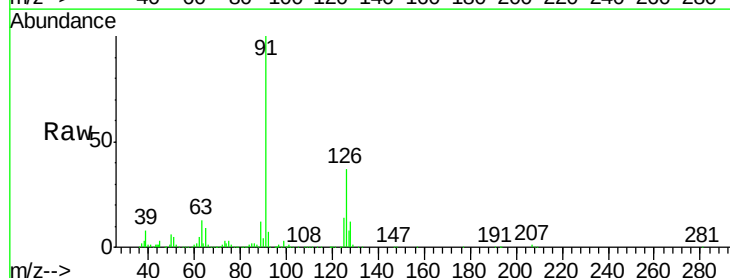
Manual Integrations
APPROVED

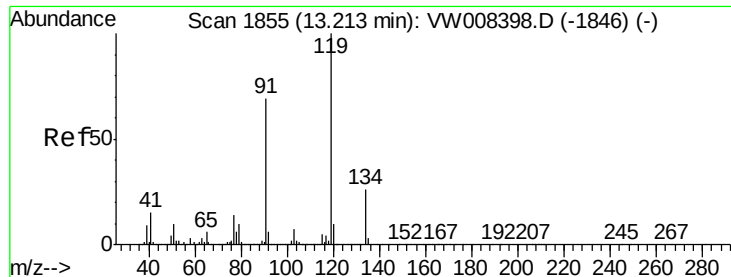
MMDadoda
1/30/2019 9:39:40 AM



#82
4-Chlorotoluene
Concen: 17.949 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	16.4	49.2





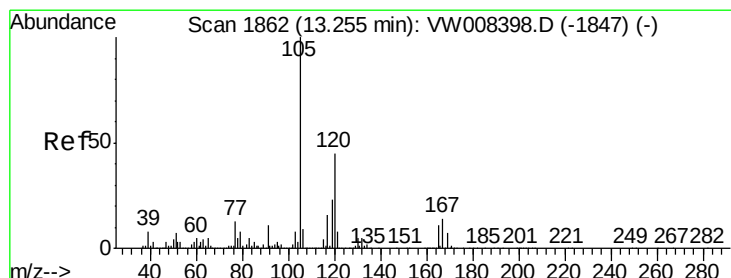
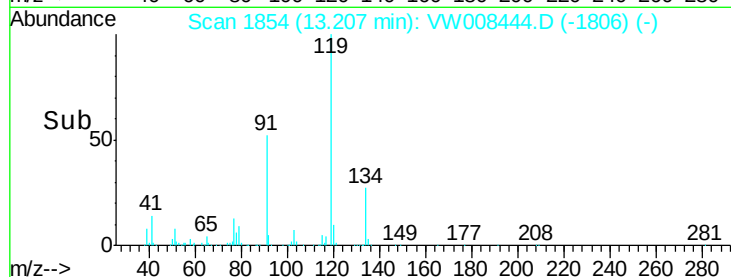
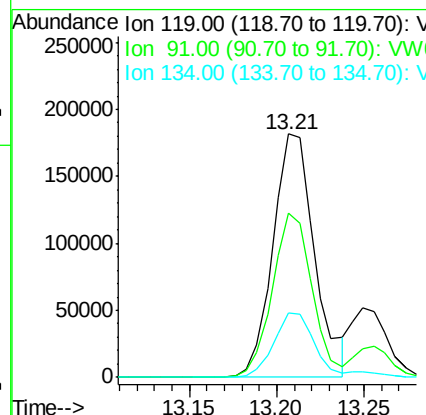
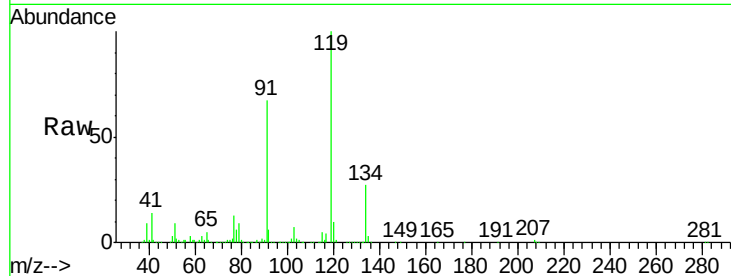
#83
 tert-Butylbenzene
 Concen: 19.345 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	33.8	101.4
134	27.3	13.5	40.4

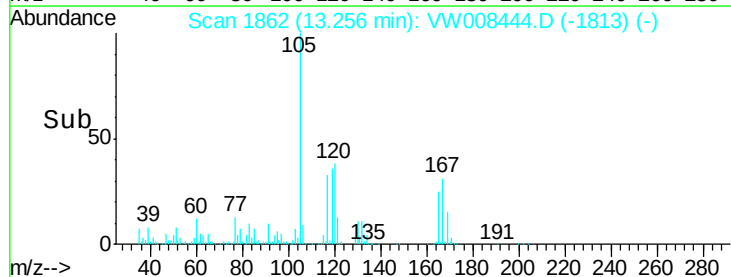
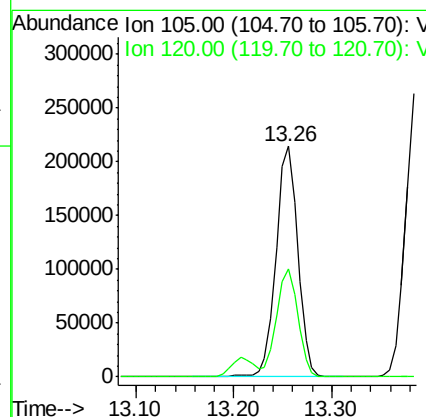
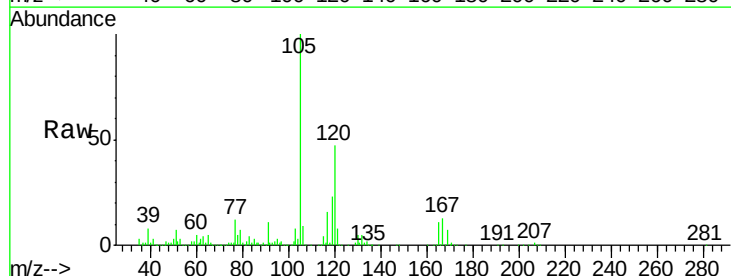
Manual Integrations
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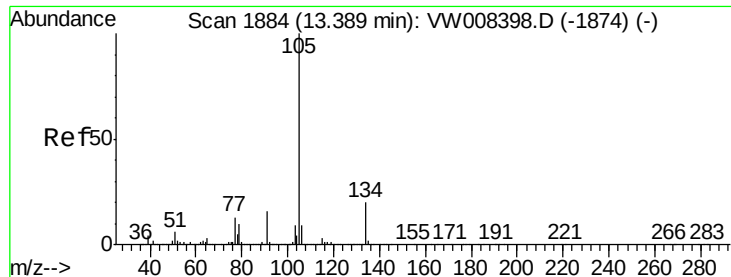
MMDadoda
 1/30/2019 9:39:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.618 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.009 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

ClientSampleId :

VW0129SBS01

Tot Ion:105 Resp: 425278

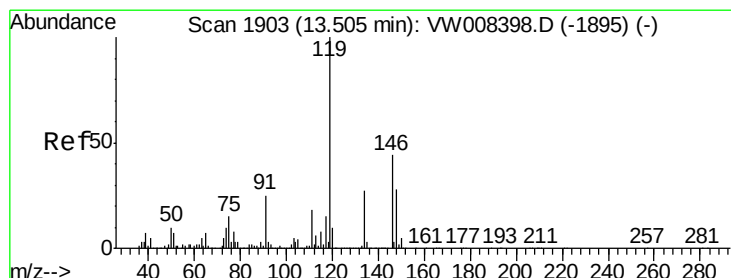
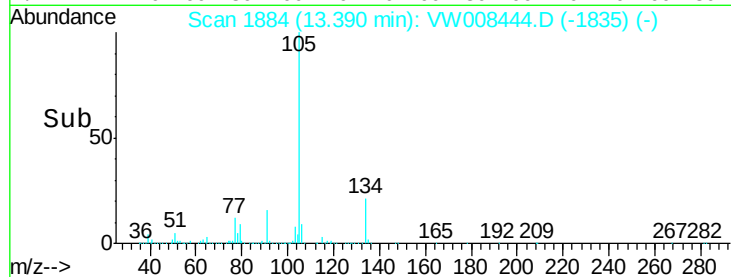
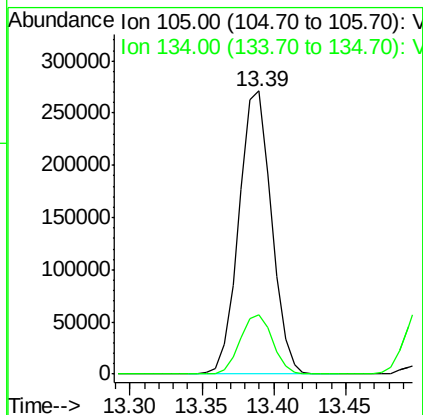
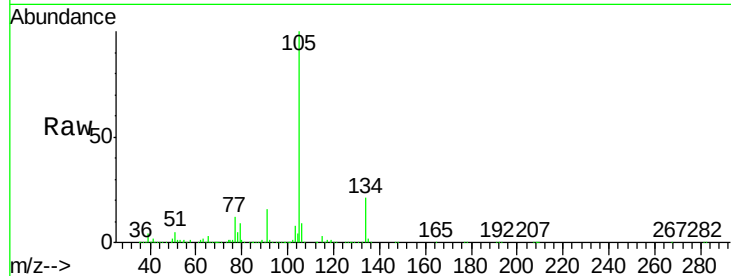
Ion Ratio Lower Upper

105 100

134 20.9 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 19.106 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

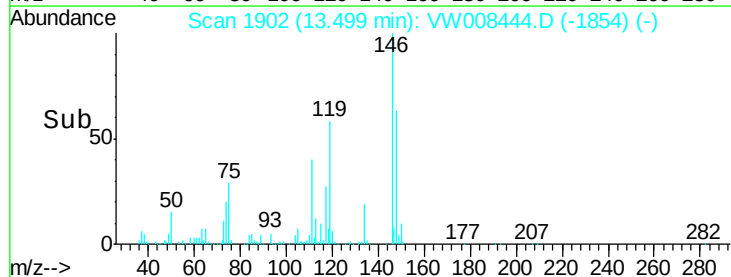
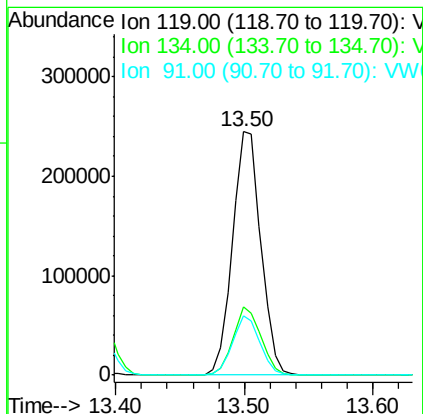
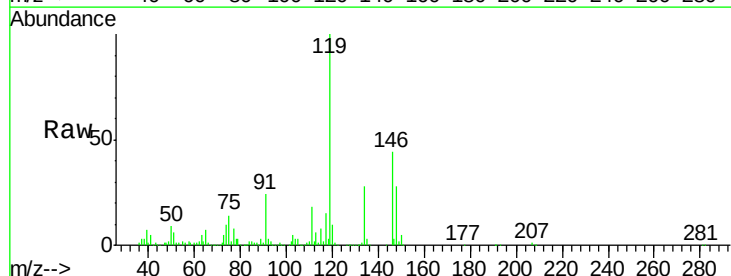
Tgt Ion:119 Resp: 374428

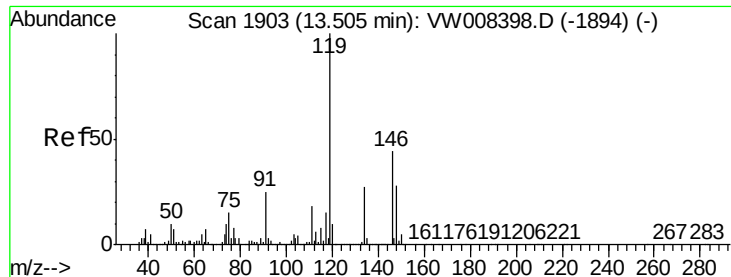
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.2

91 23.5 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 19.086 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Instrument :

MSVOA_W

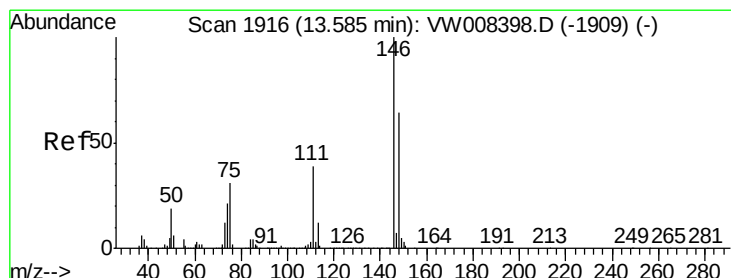
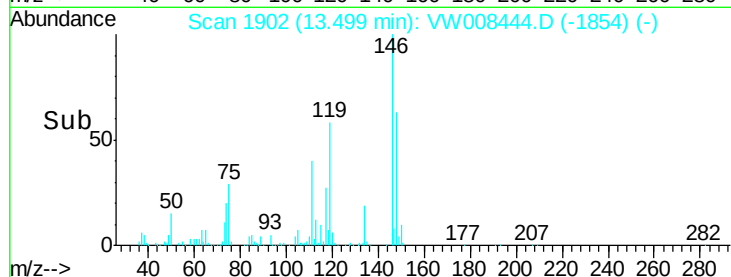
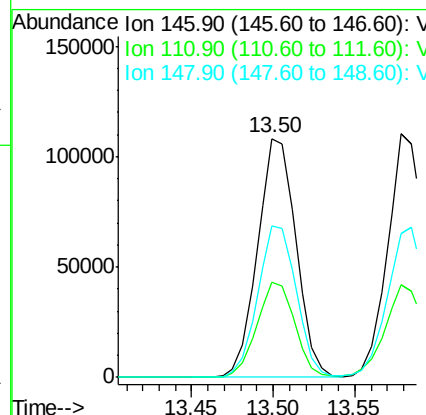
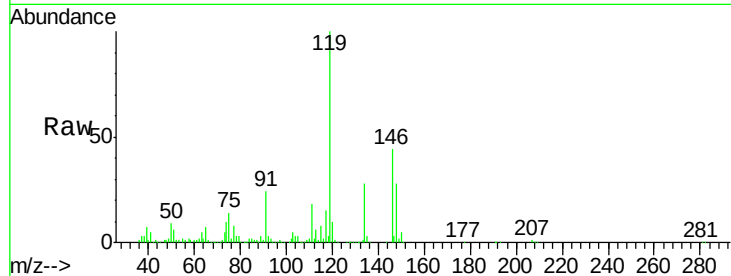
ClientSampleId :

VW0129SBS01

Tot Ion:	146	Resp:	177303
Ion Ratio	Lower	Upper	
146	100		
111	39.4	20.3	60.9
148	63.9	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.066 ug/l

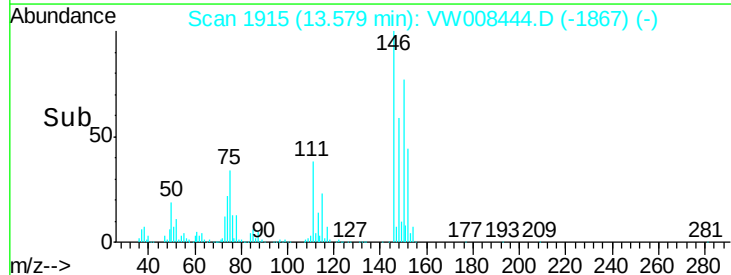
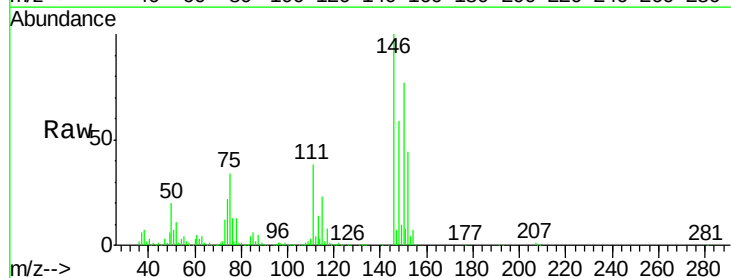
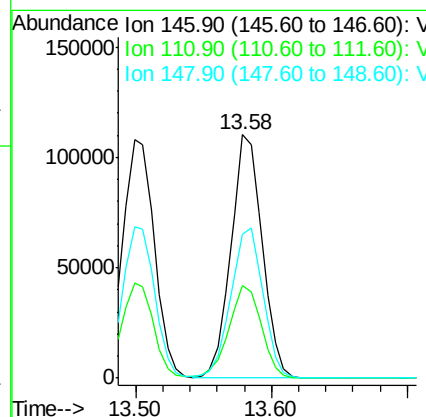
RT: 13.58 min Scan# 1915

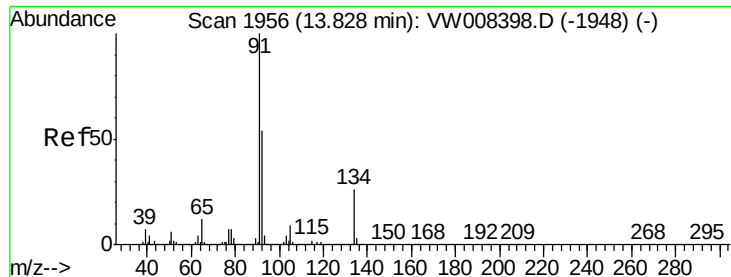
Delta R.T. -0.01 min

Lab File: VW008444.D

Acq: 29 Jan 2019 11:42

Tgt Ion:	146	Resp:	176024
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.0	60.0
148	64.0	32.0	96.2





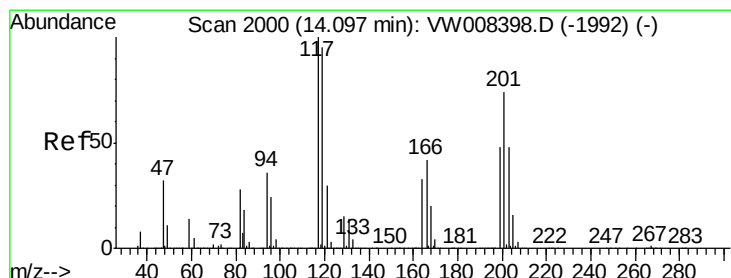
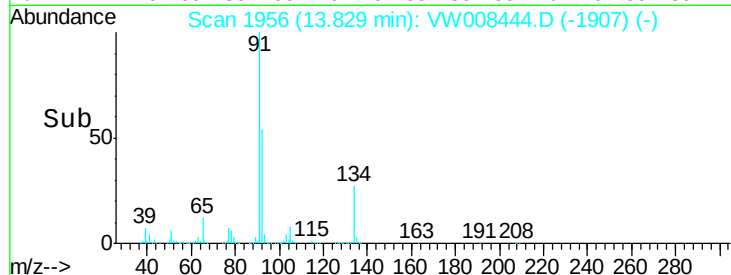
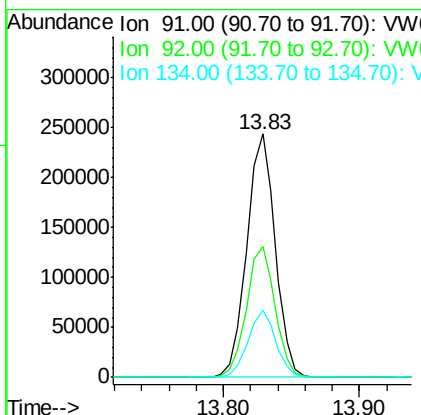
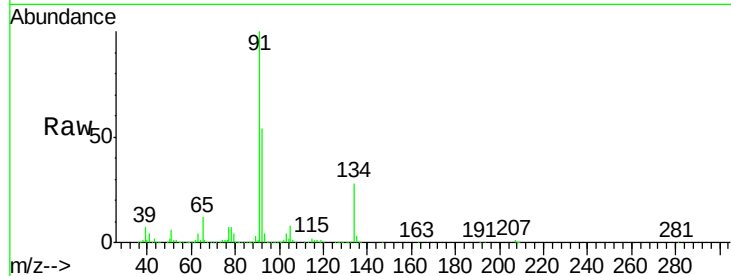
#89
n-Butylbenzene
Concen: 18.580 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.4	82.2
134	26.9	13.0	39.0

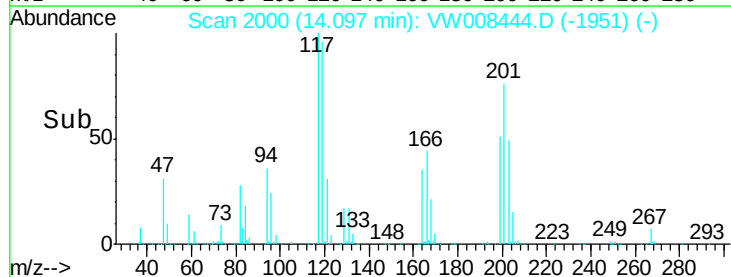
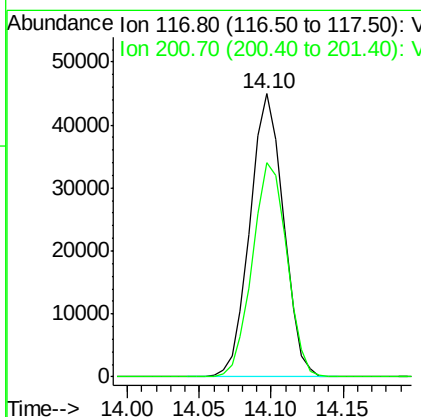
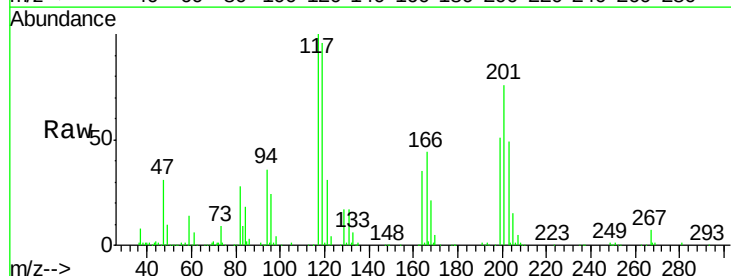
Manual Integrations
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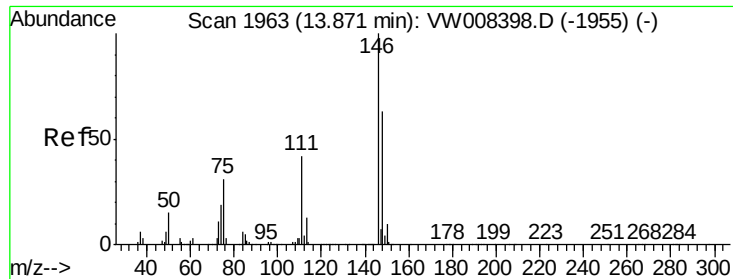
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#90
Hexachloroethane
Concen: 18.864 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.0	39.1	117.5





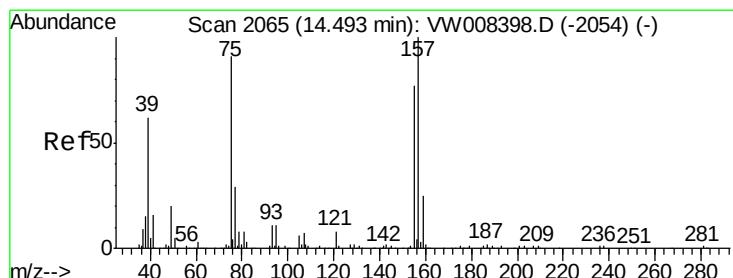
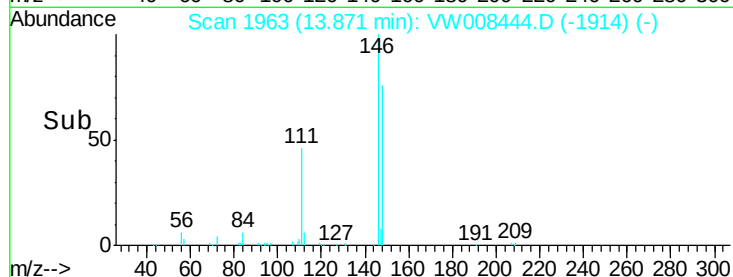
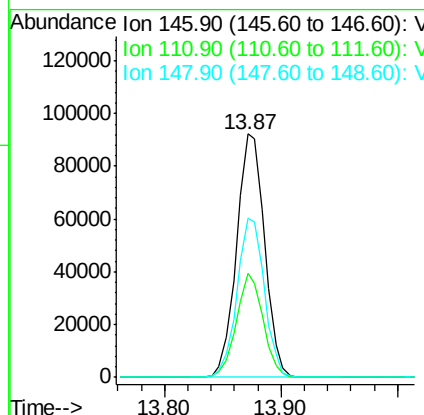
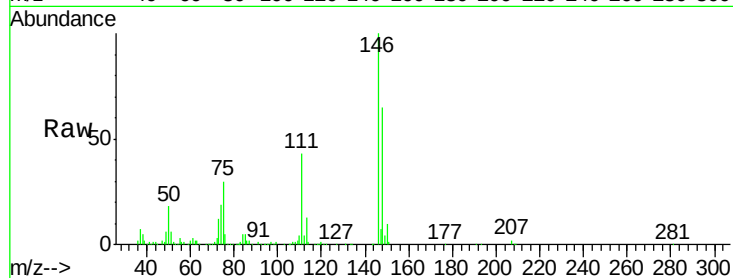
#91
 1,2-Dichlorobenzene
 Concen: 18.835 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	154820		
111	40.5		21.1	63.3
148	63.8		31.9	95.5

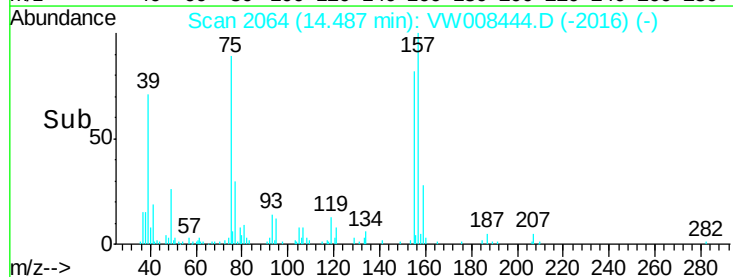
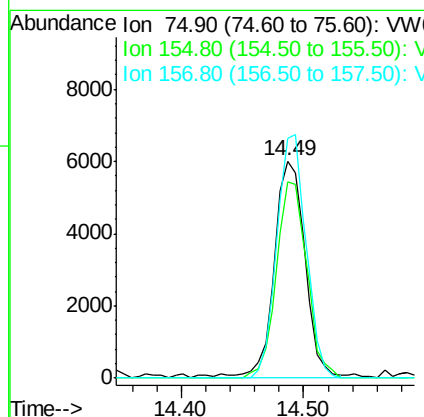
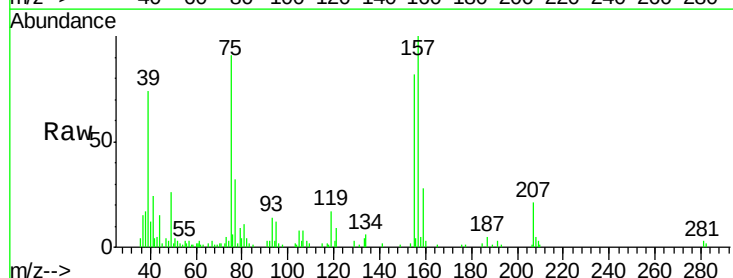
Manual Integrations
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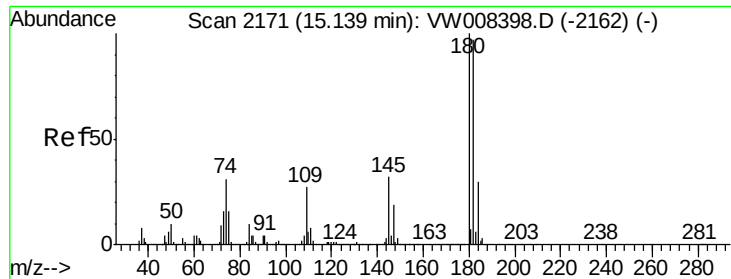
MMDadoda
 1/30/2019 9:39:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.657 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10539		
155	89.4		42.7	128.1
157	106.3		55.5	166.3





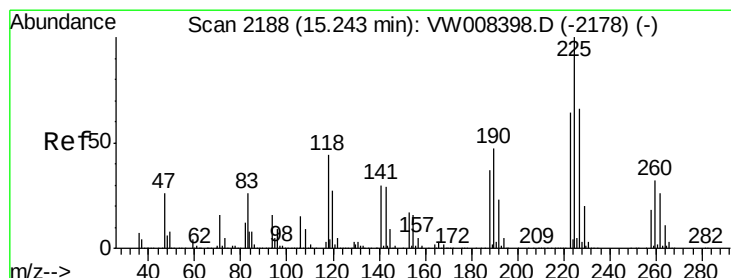
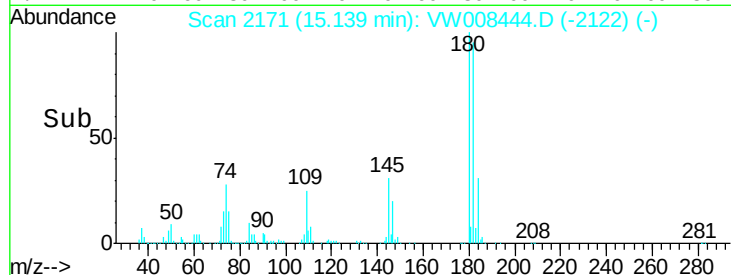
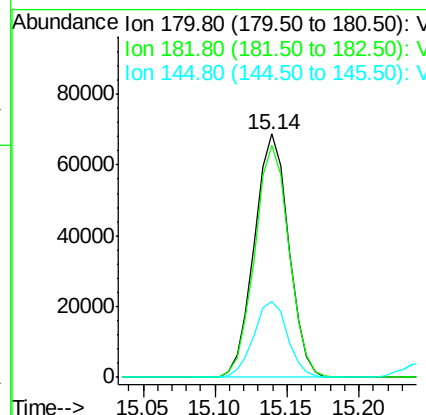
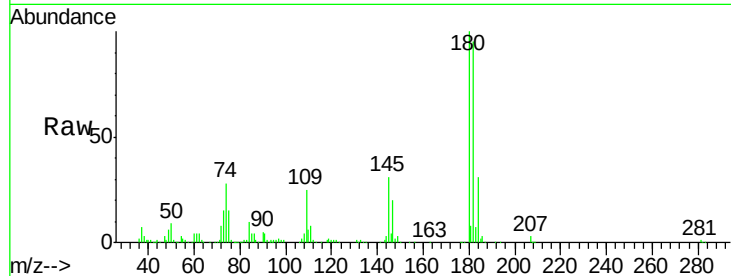
#93
 1,2,4-Trichlorobenzene
 Concen: 19.299 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113200		
182	95.3	47.9	143.7	
145	30.9	15.5	46.5	

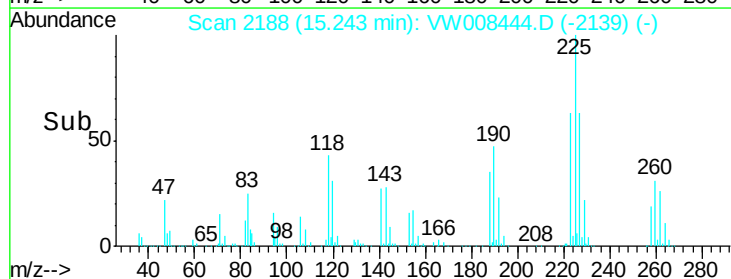
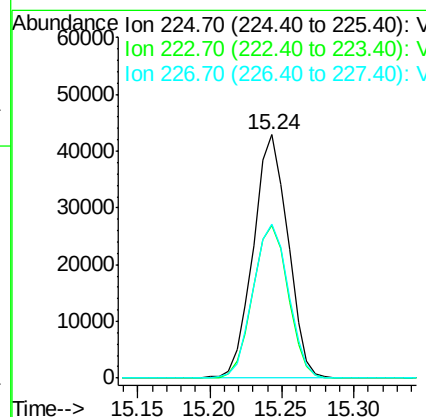
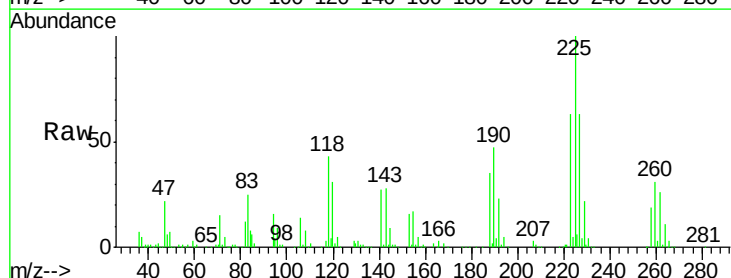
Manual Integrations
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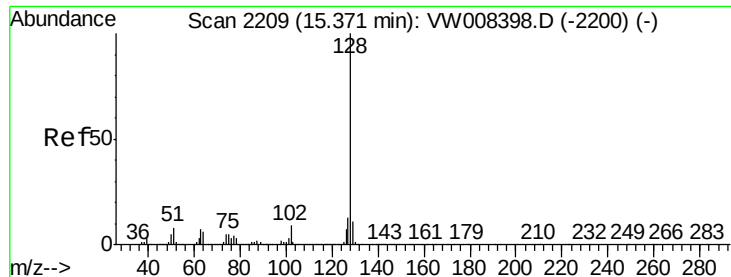
MMDadoda
 1/30/2019 9:39:40 AM



#94
 Hexachlorobutadiene
 Concen: 20.133 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008444.D
 Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71172		
223	63.9	31.7	95.1	
227	64.9	32.1	96.3	





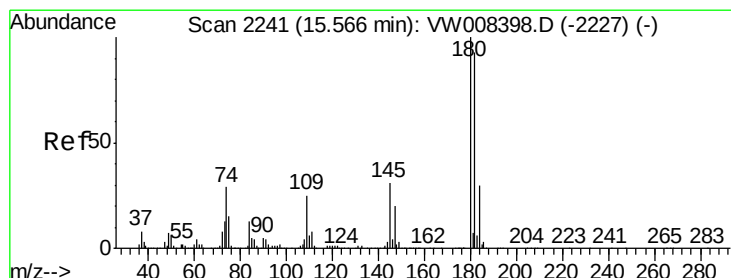
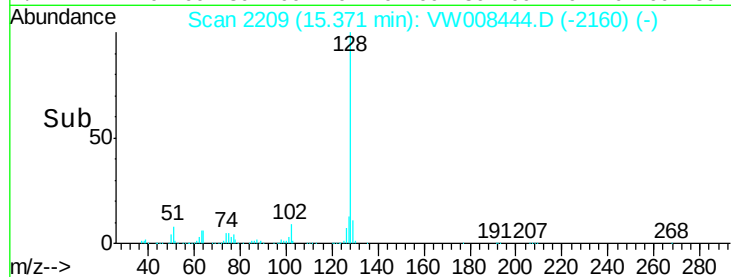
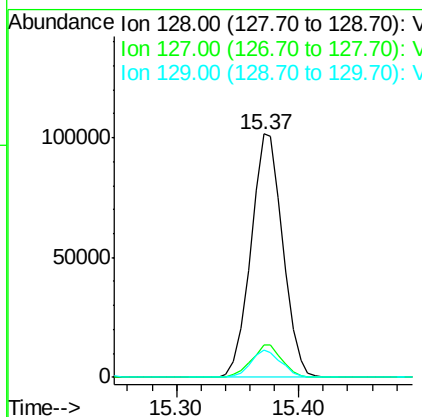
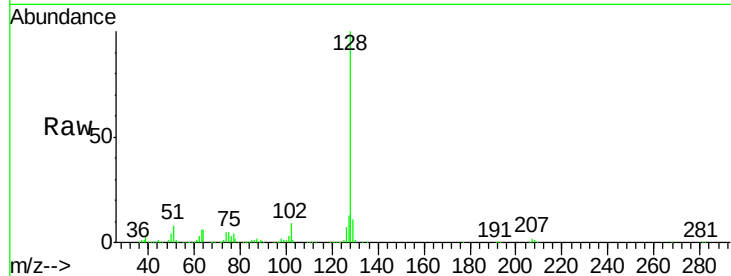
#95
Naphthalene
Concen: 17.858 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Instrument :
MSVOA_W
ClientSampleId :
VW0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	183920		
127	12.8		10.6	15.8
129	10.8		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/30/2019 9:39:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.027 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008444.D
Acq: 29 Jan 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	94675		
182	94.3		47.0	141.2
145	31.6		15.9	47.6

