

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008482.D
 Acq On : 01 Feb 2019 15:30
 Operator : SY/VA
 Sample : K1297-02MS
 Misc : 3.79G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MS

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:32:35 PM

Quant Time: Feb 02 02:00:21 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	269853	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	414244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	290470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	88612	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	164947	62.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.44%	
35) Dibromofluoromethane	7.88	113	144341	59.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.18%	
50) Toluene-d8	10.32	98	465301	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
62) 4-Bromofluorobenzene	12.62	95	118522	31.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	84410	53.860	ug/l	98
3) Chloromethane	2.21	50	115857	52.597	ug/l	100
4) Vinyl Chloride	2.36	62	154386	55.058	ug/l	98
5) Bromomethane	2.78	94	115679	63.960	ug/l	96
6) Chloroethane	2.92	64	115671	67.452	ug/l	98
7) Trichlorofluoromethane	3.25	101	128713	52.513	ug/l	99
8) Diethyl Ether	3.68	74	98986	73.554	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	127235	52.131	ug/l	98
10) Methyl Iodide	4.26	142	209289	54.289	ug/l	99
11) Tert butyl alcohol	5.18	59	89263	418.211	ug/l	99
12) 1,1-Dichloroethene	4.03	96	138418	56.039	ug/l	98
13) Acrolein	3.88	56	16806	91.935	ug/l	94
14) Allyl chloride	4.65	41	256402	54.666	ug/l	99
15) Acrylonitrile	5.37	53	227900	392.182	ug/l	99
16) Acetone	4.12	43	242465	407.276	ug/l	98
17) Carbon Disulfide	4.37	76	332497	42.148	ug/l	99
18) Methyl Acetate	4.67	43	469285	295.542	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	329666	80.667	ug/l	98
20) Methylene Chloride	4.90	84	176113	64.183	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	144489	52.032	ug/l	93
22) Diisopropyl ether	6.31	45	534464	60.125	ug/l	98
23) Vinyl Acetate	6.31	43	278678	53.092	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	296319	58.890	ug/l	98
25) 2-Butanone	7.17	43	350443	423.800	ug/l	99
26) 2,2-Dichloropropane	7.16	77	188080	55.299	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	169914	56.144	ug/l	96
28) Bromochloromethane	7.51	49	129752	56.143	ug/l	95
29) Tetrahydrofuran	7.52	42	233147	444.928	ug/l	96
30) Chloroform	7.67	83	293488	59.301	ug/l	97
31) Cyclohexane	7.95	56	173457	33.339	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	240778	56.326	ug/l	98
36) 1,1-Dichloropropene	8.08	75	188048	48.057	ug/l	99
37) Ethyl Acetate	7.25	43	30616	17.685	ug/l #	80
38) Carbon Tetrachloride	8.06	117	207636	52.731	ug/l	98

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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)
39) Methylcyclohexane	9.33	83	116949	22.751	ug/l	99
40) Benzene	8.32	78	610535	56.229	ug/l	99
41) Methacrylonitrile	7.48	41	81641	79.643	ug/l	99
42) 1,2-Dichloroethane	8.40	62	212499	67.532	ug/l	99
43) Isopropyl Acetate	8.42	43	126793	35.253	ug/l #	86
44) Trichloroethene	9.09	130	147989	50.120	ug/l	98
45) 1,2-Dichloropropane	9.37	63	161282	59.572	ug/l	100
46) Dibromomethane	9.46	93	95268	68.416	ug/l	96
47) Bromodichloromethane	9.64	83	221185	60.053	ug/l	99
48) Methyl methacrylate	9.43	41	189387	107.690	ug/l	98
49) 1,4-Dioxane	9.45	88	38520	1636.558	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	766820	431.558	ug/l	99
52) Toluene	10.38	92	347976	48.548	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	213344	54.436	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	241125	54.215	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	132958	68.839	ug/l	99
56) Ethyl methacrylate	10.65	69	48445	17.900	ug/l	96
57) 1,3-Dichloropropane	10.93	76	229838	66.423	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	463083	352.167	ug/l	96
59) 2-Hexanone	10.97	43	517884	412.857	ug/l	100
60) Dibromochloromethane	11.13	129	150483	60.628	ug/l	99
61) 1,2-Dibromoethane	11.23	107	126774	66.196	ug/l	100
64) Tetrachloroethene	10.86	164	99707	50.699	ug/l	96
65) Chlorobenzene	11.66	112	321906	54.289	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	144713	68.213	ug/l	99
67) Ethyl Benzene	11.73	91	547813	50.261	ug/l	98
68) m/p-Xylenes	11.84	106	410036	96.960	ug/l	96
69) o-Xylene	12.16	106	205262	51.084	ug/l	99
70) Styrene	12.18	104	309920	46.695	ug/l	98
71) Bromoform	12.35	173	93384	78.236	ug/l #	100
73) Isopropylbenzene	12.46	105	453964	68.718	ug/l	100
74) N-amyl acetate	12.27	43	4178	2.455	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.71	83	149573	143.010	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	109999m	142.778	ug/l	
77) Bromobenzene	12.75	156	116544	80.780	ug/l	95
78) n-propylbenzene	12.80	91	439650	55.410	ug/l	98
79) 2-Chlorotoluene	12.89	91	276616	61.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	327436	59.300	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	48757	124.995	ug/l	96
82) 4-Chlorotoluene	12.99	91	270770	56.801	ug/l	97
83) tert-Butylbenzene	13.21	119	270421	55.035	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	335024	59.694	ug/l	100
85) sec-Butylbenzene	13.38	105	299162	42.632	ug/l	99
86) p-Isopropyltoluene	13.50	119	275253	44.780	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	149090	51.168	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	152065	52.515	ug/l	97
89) n-Butylbenzene	13.82	91	182897	30.304	ug/l	99
90) Hexachloroethane	14.10	117	51204	42.596	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	145481	56.429	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	25925	130.639	ug/l	95

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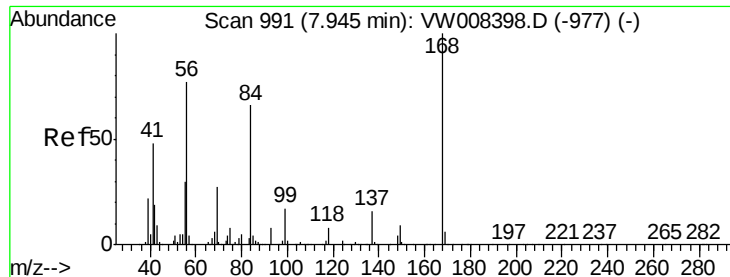
Manual Integrations
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2/4/2019 4:32:35 PM

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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	15.13	180	47969	26.073	ug/l	99
94) Hexachlorobutadiene	15.24	225	19627	17.702	ug/l	99
95) Naphthalene	15.37	128	178574	55.279	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	41424	26.543	ug/l	97

(#) = 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: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion:168 Resp: 269853

Ion Ratio Lower Upper

168 100

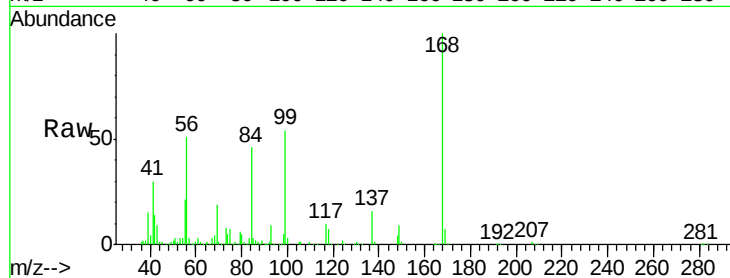
99 53.5 45.5 68.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

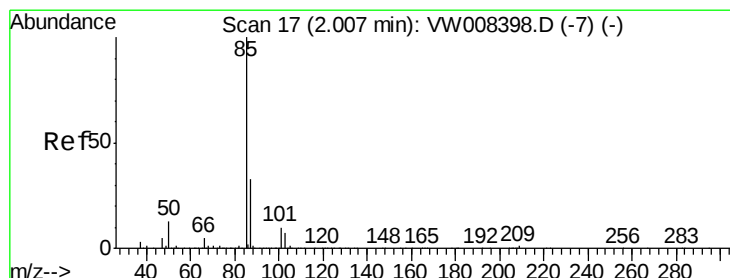
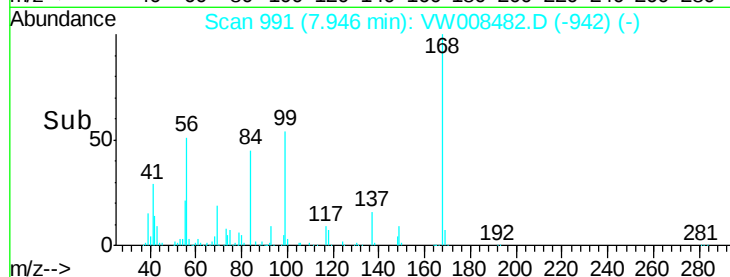
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 53.860 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008482.D

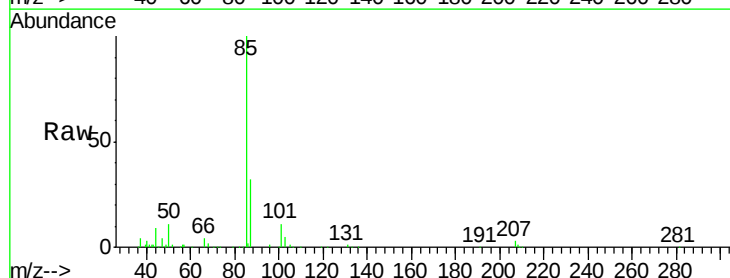
Acq: 01 Feb 2019 15:30

Tgt Ion: 85 Resp: 84410

Ion Ratio Lower Upper

85 100

87 32.1 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

30000

25000

20000

15000

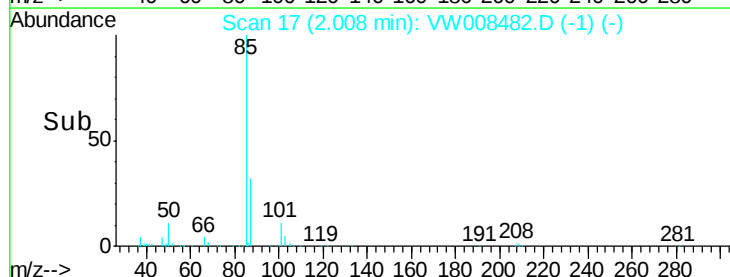
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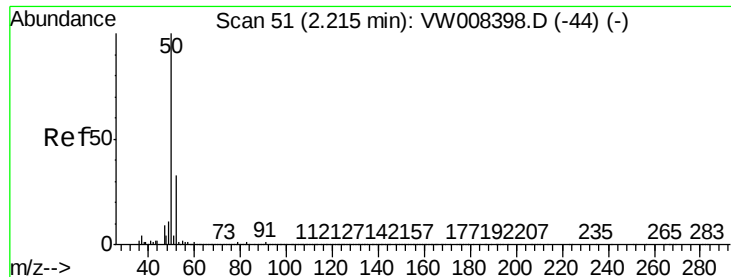
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 52.597 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 50 Resp: 115857

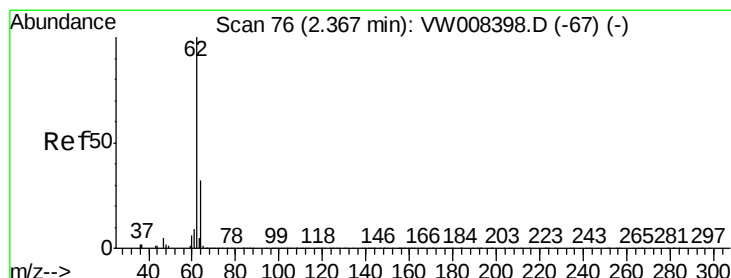
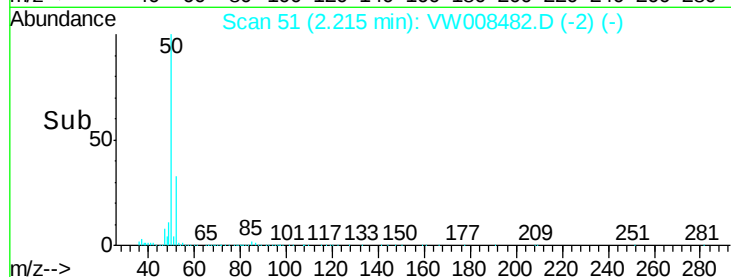
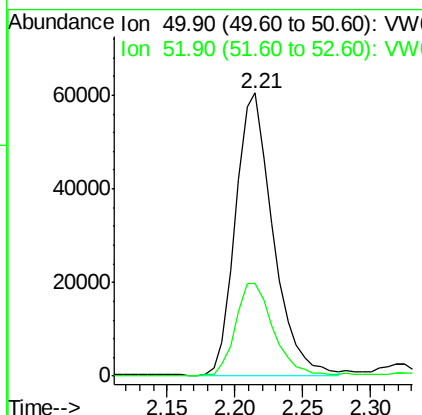
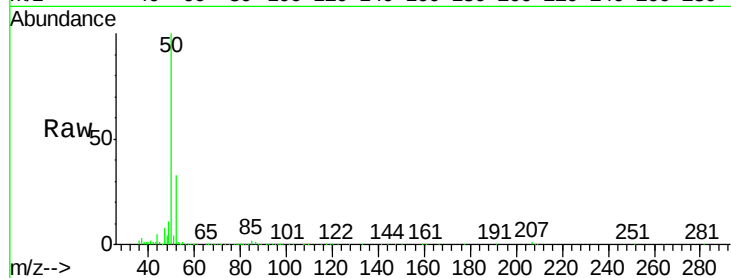
Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5

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#4

Vinyl Chloride

Concen: 55.058 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008482.D

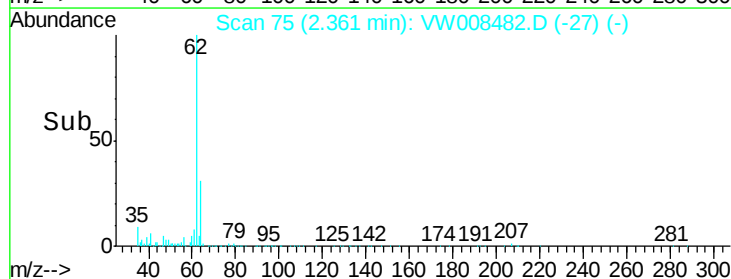
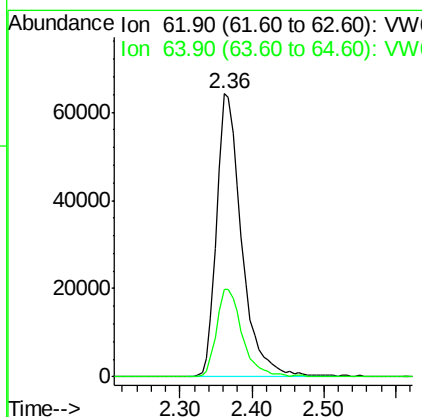
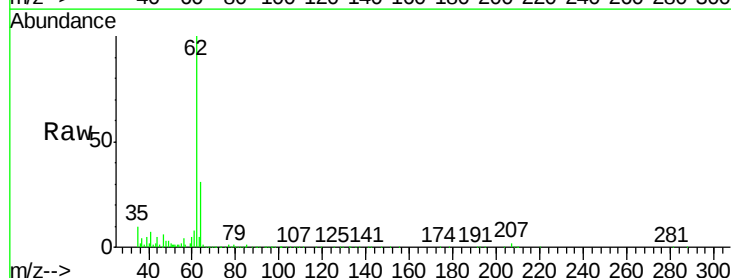
Acq: 01 Feb 2019 15:30

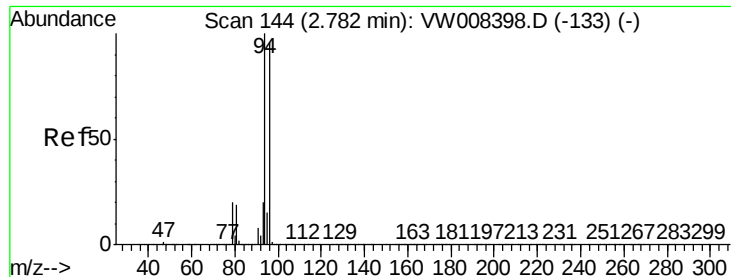
Tgt Ion: 62 Resp: 154386

Ion Ratio Lower Upper

62 100

64 30.8 25.5 38.3





#5

Bromomethane

Concen: 63.960 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

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ClientSampleId :

A0C17-SS1MS

Tot Ion: 94 Resp: 115679

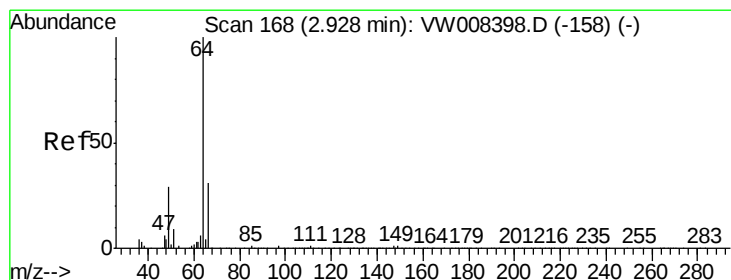
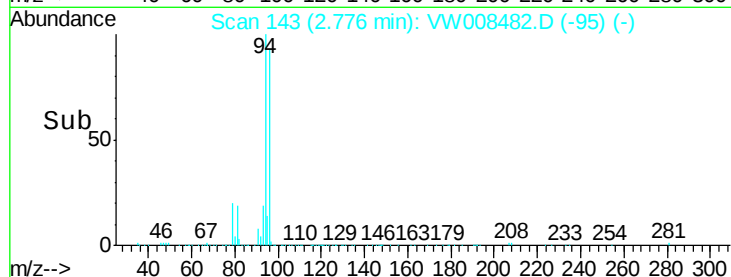
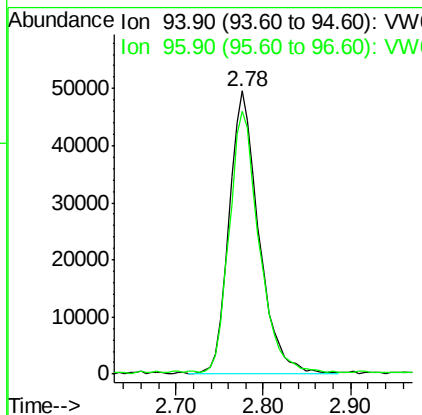
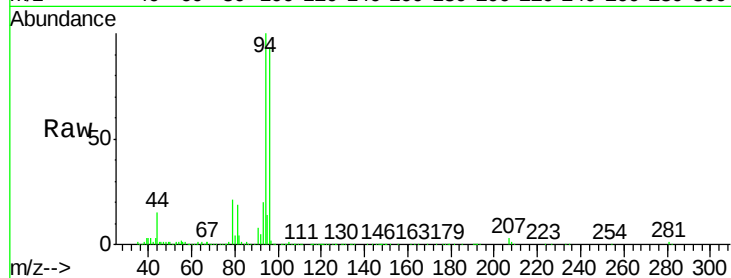
Ion Ratio Lower Upper

94 100

96 92.6 77.2 115.8

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#6

Chloroethane

Concen: 67.452 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008482.D

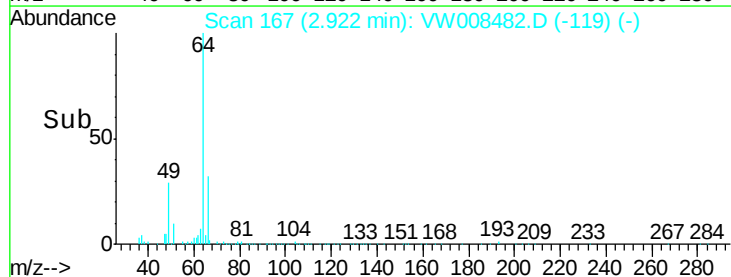
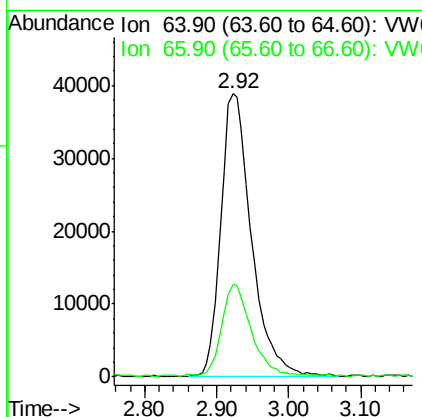
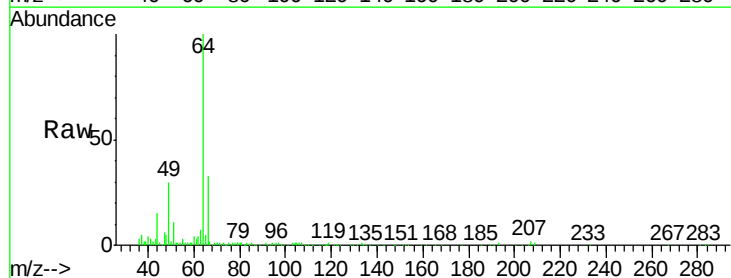
Acq: 01 Feb 2019 15:30

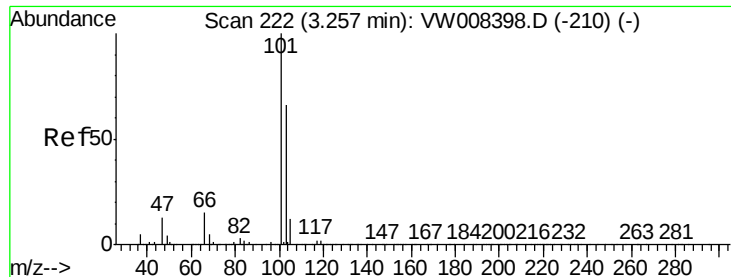
Tgt Ion: 64 Resp: 115671

Ion Ratio Lower Upper

64 100

66 31.9 24.9 37.3





#7

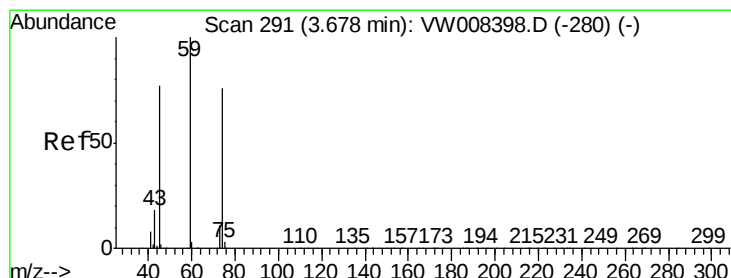
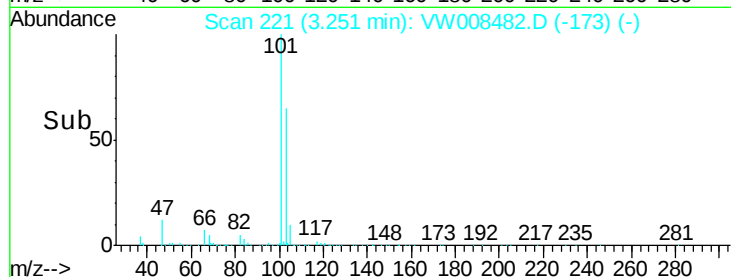
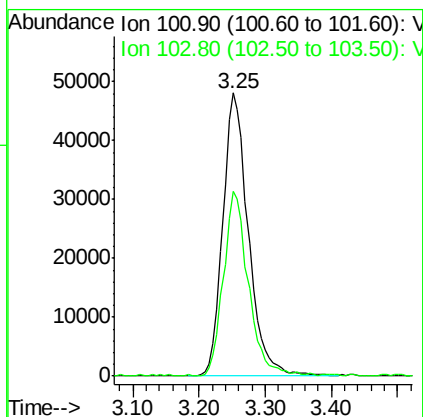
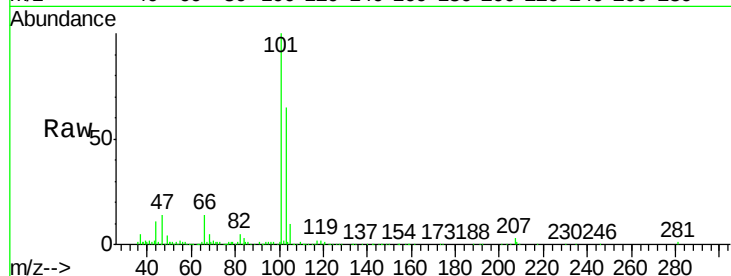
Trichlorofluoromethane
Concen: 52.513 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008482.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.5	78.7

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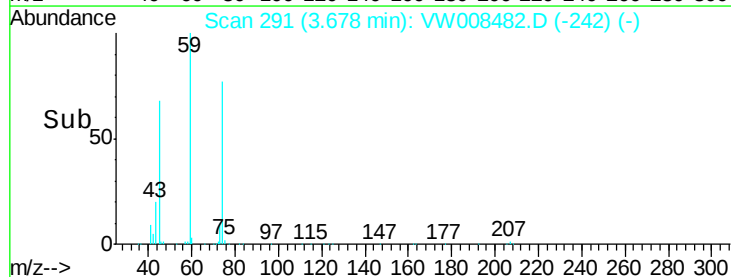
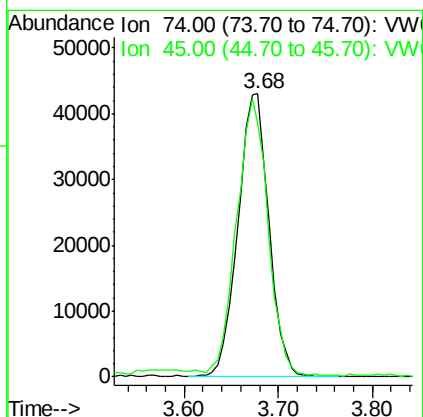
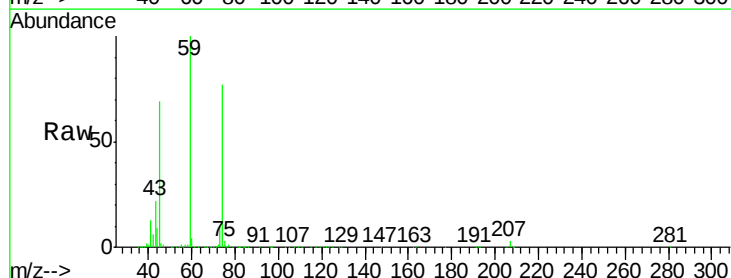
MMDadoda
2/4/2019 4:32:35 PM



#8

Diethyl Ether
Concen: 73.554 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.131 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

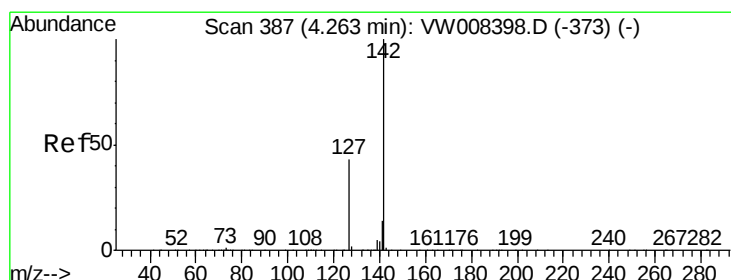
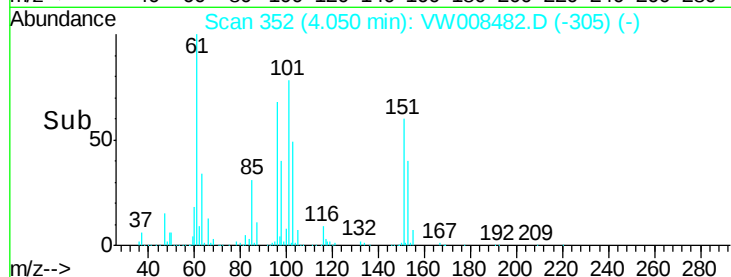
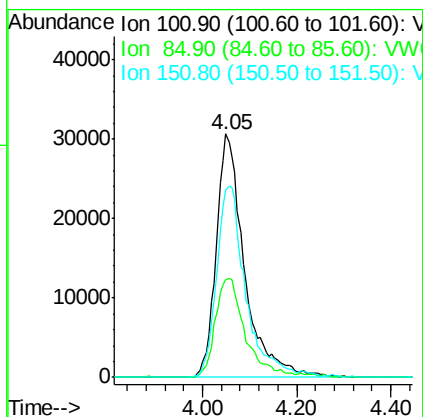
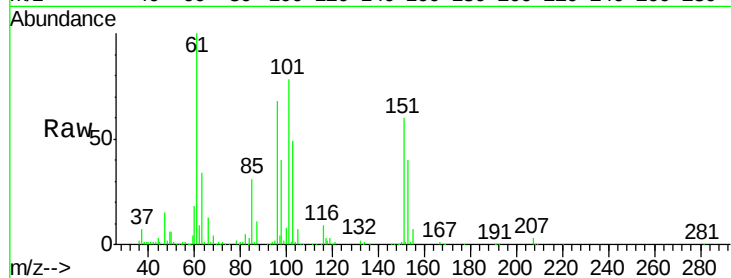
ClientSampleId :

A0C17-SS1MS

Tot Ion:	101	Resp:	127235
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.0	52.4
151	80.4	62.6	94.0

Manual Integrations
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2/4/2019 4:32:35 PM



#10

Methyl Iodide

Concen: 54.289 ug/l

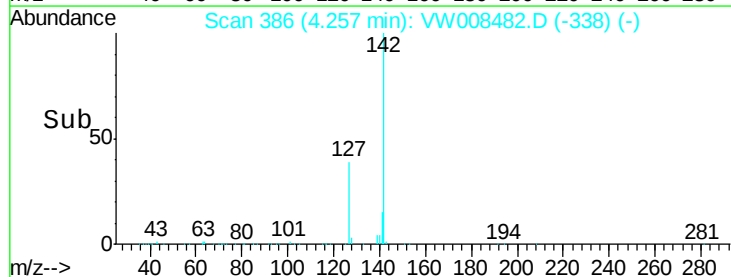
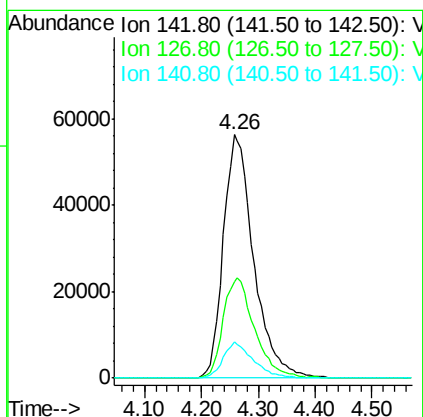
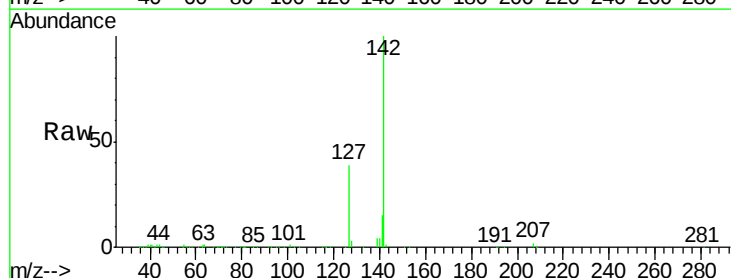
RT: 4.26 min Scan# 386

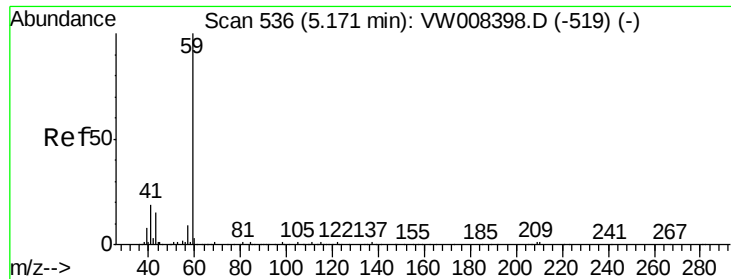
Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	142	Resp:	209289
Ion Ratio	Lower	Upper	
142	100		
127	42.5	34.6	52.0
141	14.7	11.4	17.2





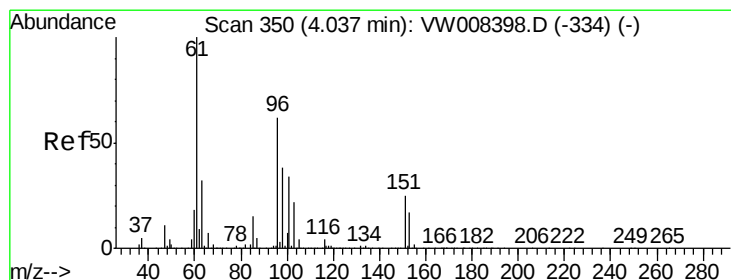
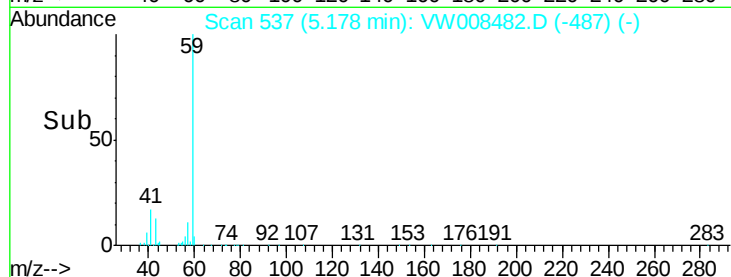
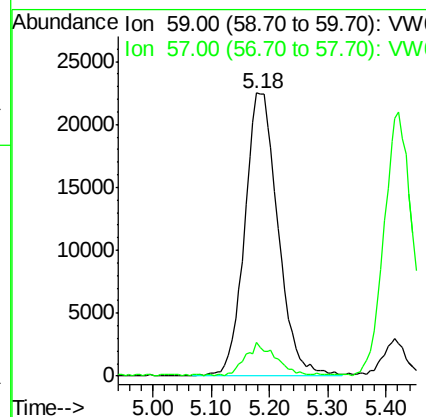
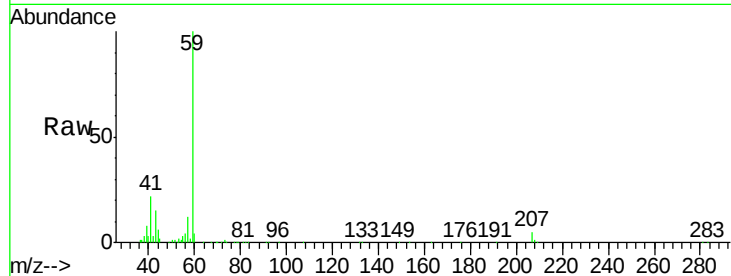
#11
Tert butyl alcohol
Concen: 418.211 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.3	13.9

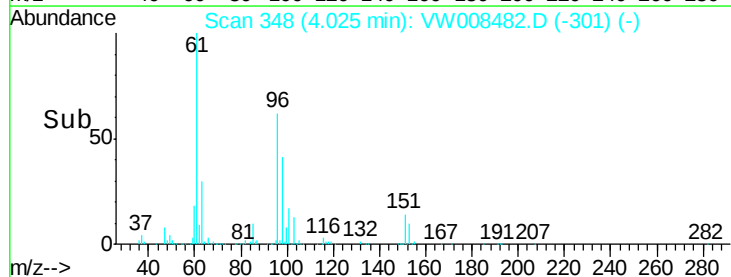
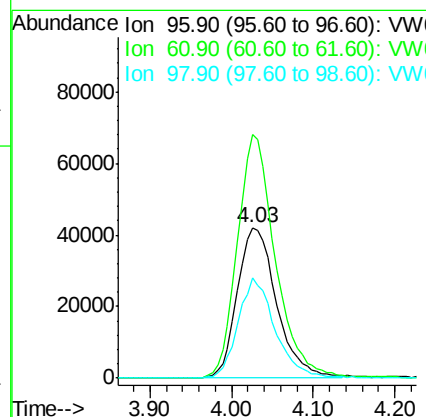
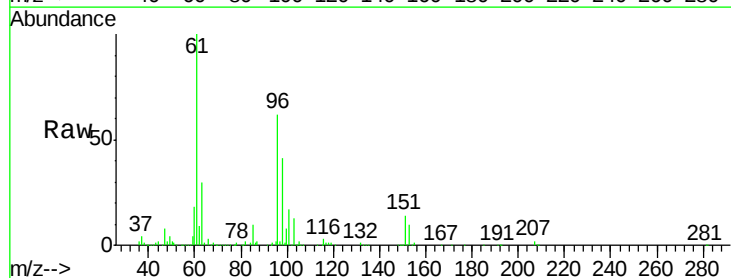
Manual Integrations
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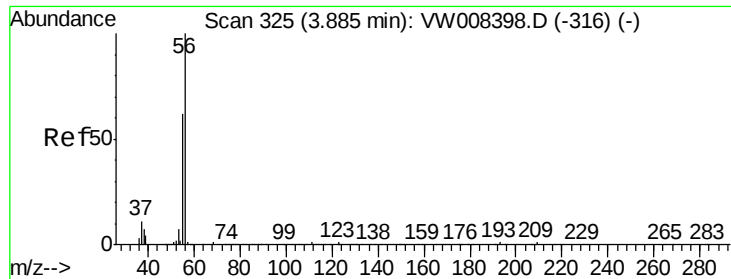
MMDadoda
2/4/2019 4:32:35 PM



#12
1,1-Dichloroethene
Concen: 56.039 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	129.5	194.3
98	67.0	48.6	73.0





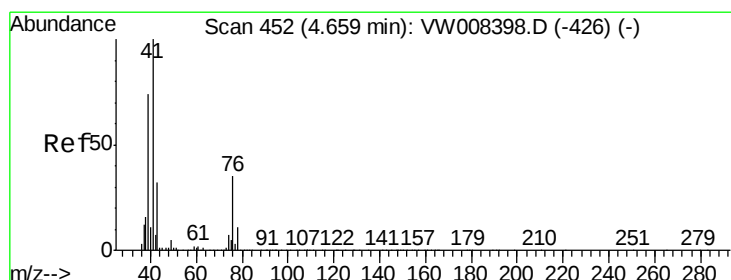
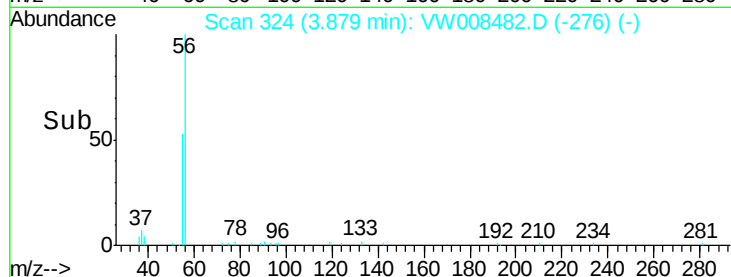
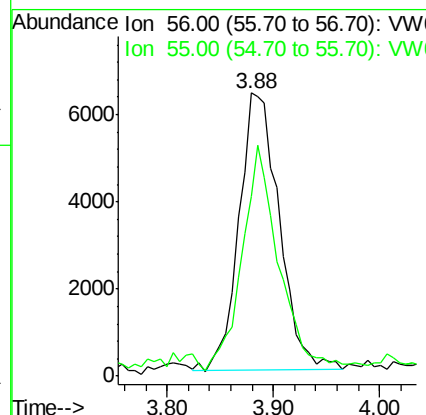
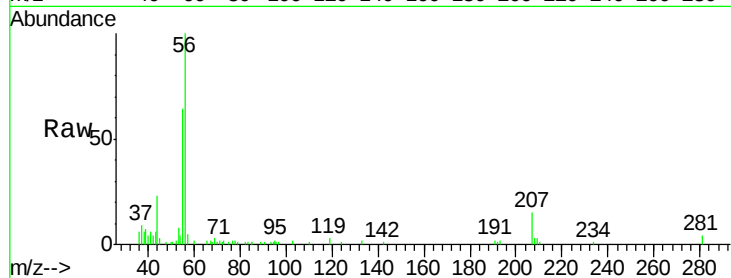
#13
Acrolein
Concen: 91.935 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	76.1	56.7	85.1

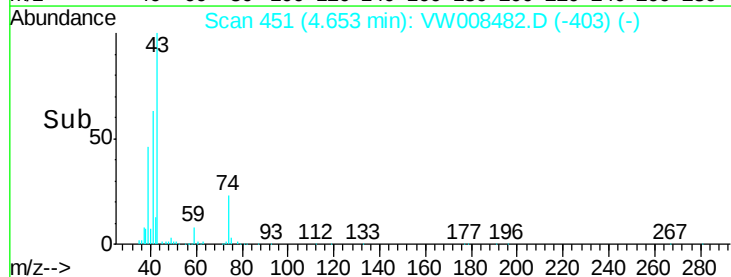
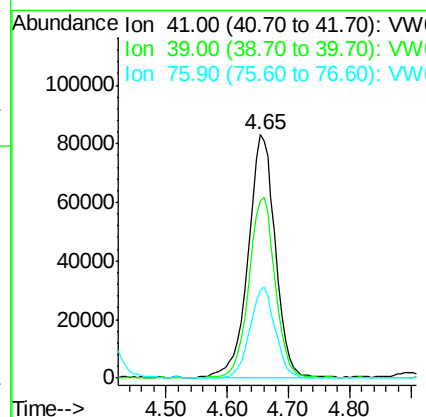
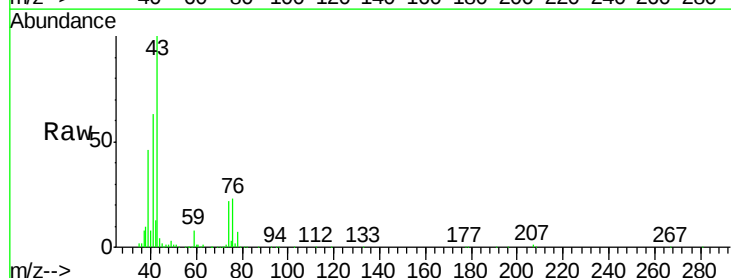
Manual Integrations
APPROVED

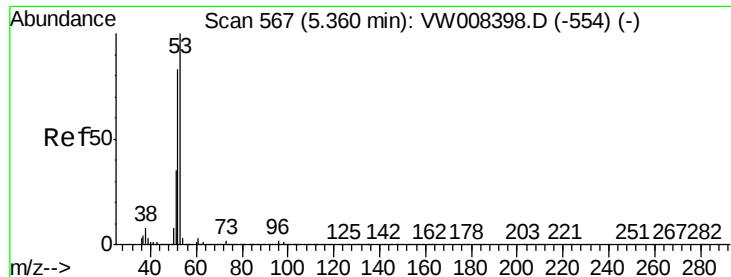
MMDadoda
2/4/2019 4:32:35 PM



#14
Allyl chloride
Concen: 54.666 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	71.6	57.7	86.5
76	76	34.9	26.9	40.3





#15

Acrylonitrile

Concen: 392.182 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

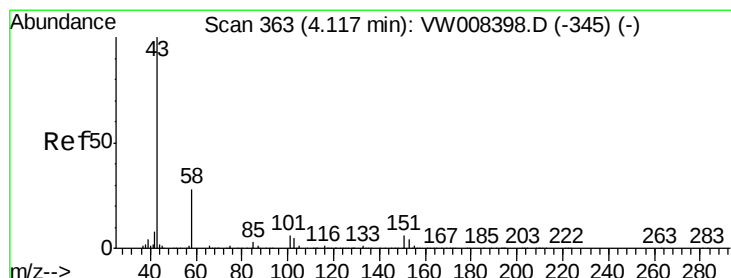
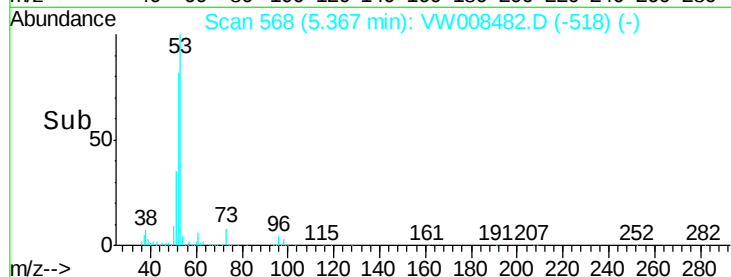
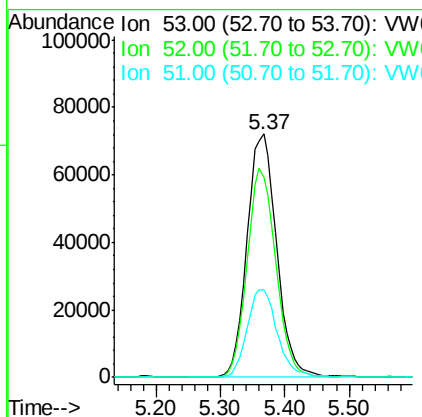
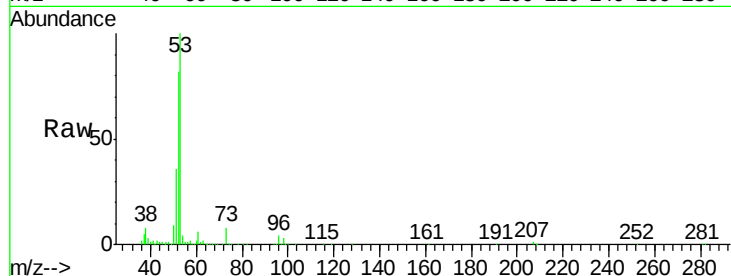
ClientSampleId :

A0C17-SS1MS

Tot Ion:	53	Resp:	227900
Ion Ratio		Lower	Upper
53	100		
52	83.1	67.0	100.4
51	37.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 407.276 ug/l

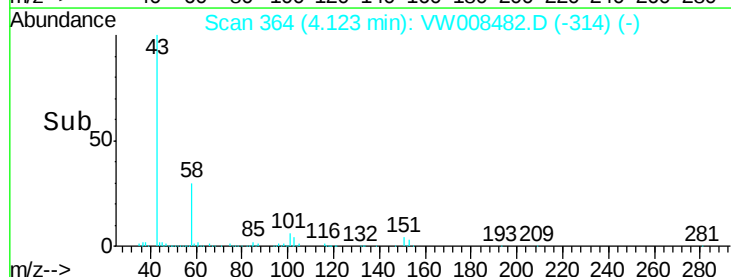
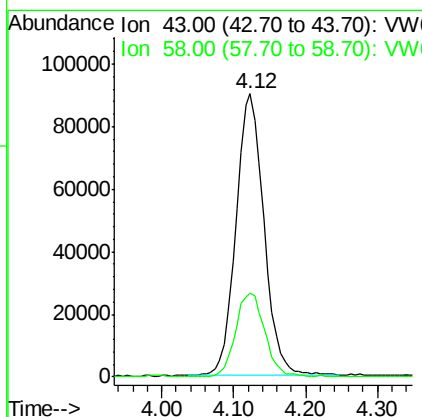
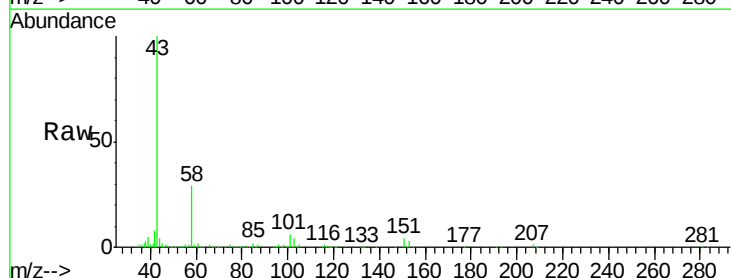
RT: 4.12 min Scan# 364

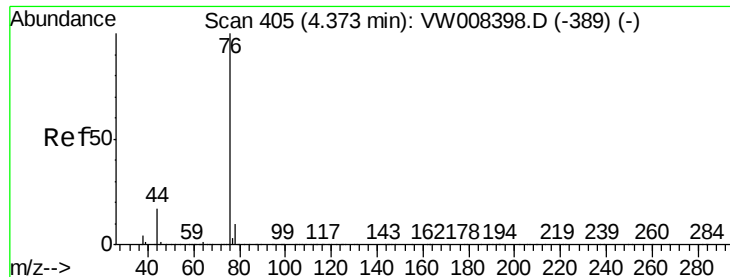
Delta R.T. 0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	43	Resp:	242465
Ion Ratio		Lower	Upper
43	100		
58	29.5	22.6	34.0





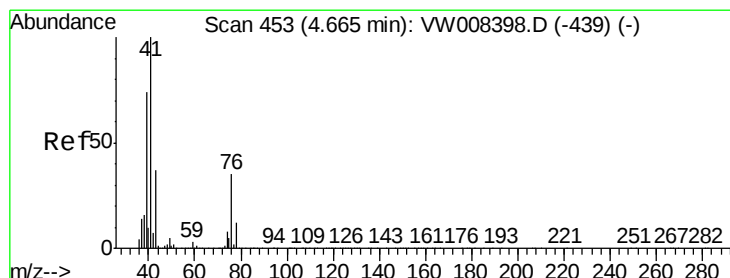
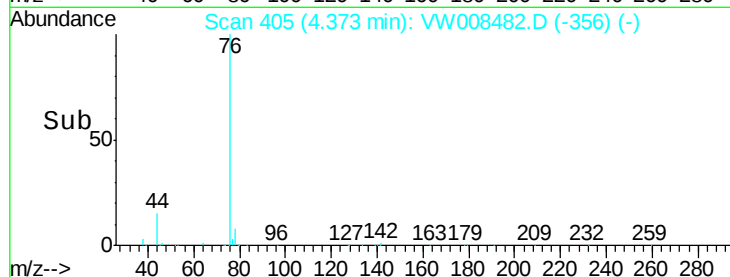
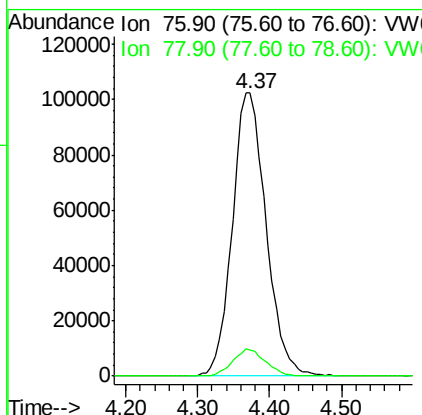
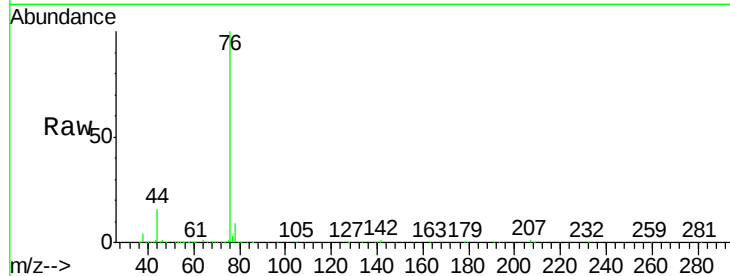
#17
Carbon Disulfide
Concen: 42.148 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

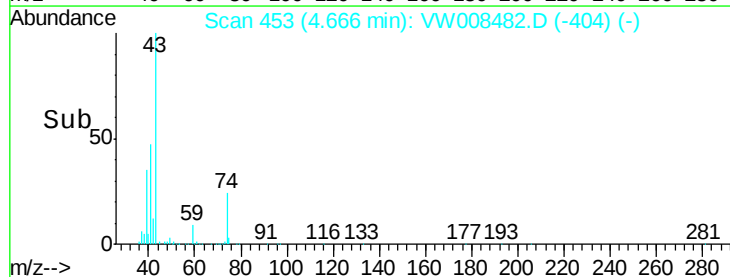
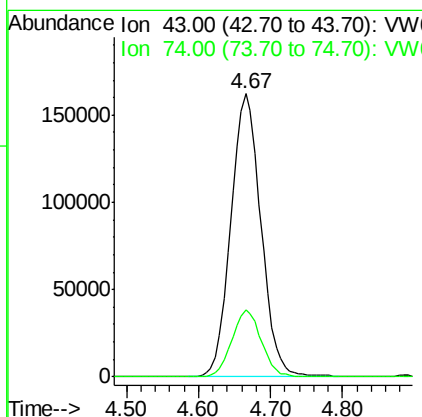
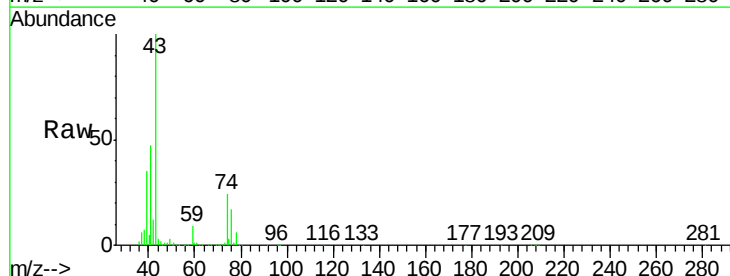
Manual Integrations
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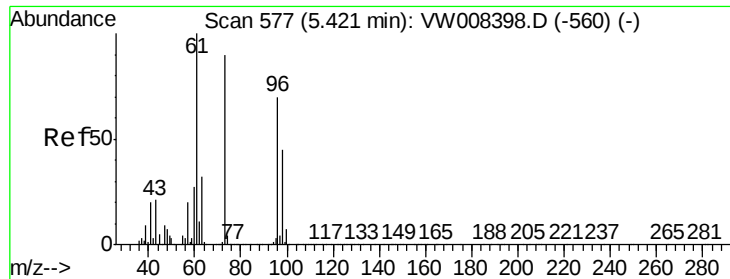
MMDadoda
2/4/2019 4:32:35 PM



#18
Methyl Acetate
Concen: 295.542 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.5	26.3





#19

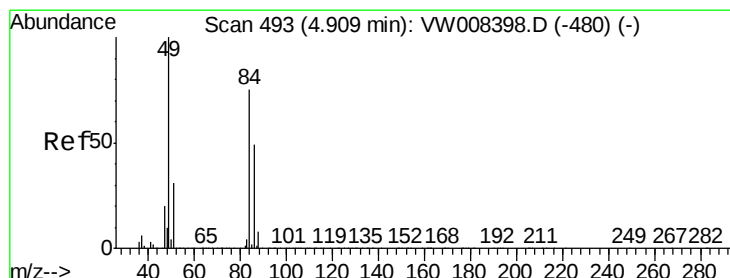
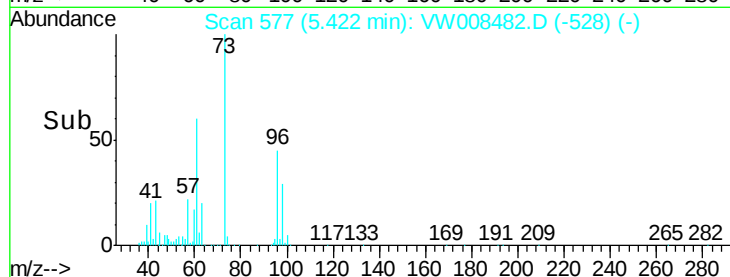
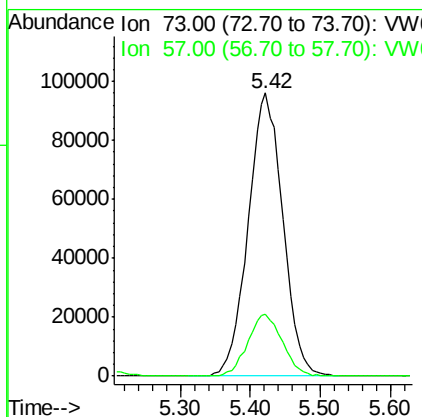
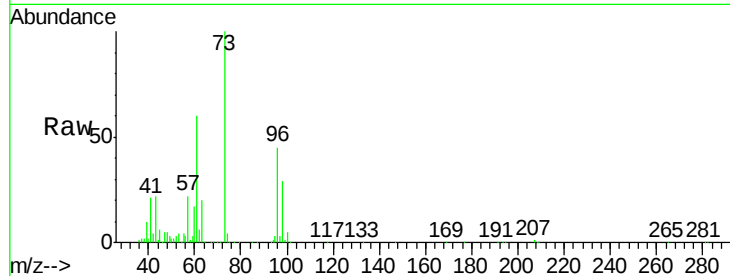
Methyl tert-butyl Ether
 Concen: 80.667 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	18.0	27.0

Manual Integrations
 APPROVED

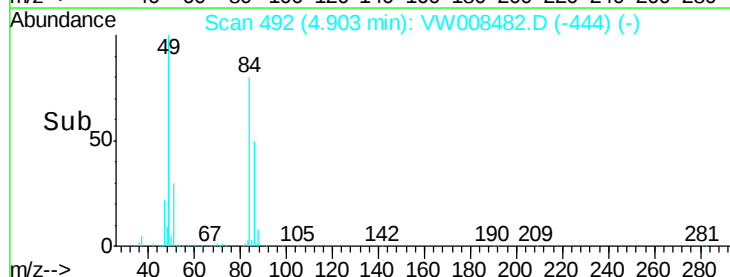
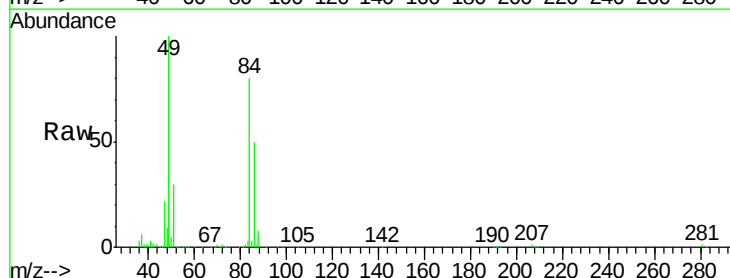
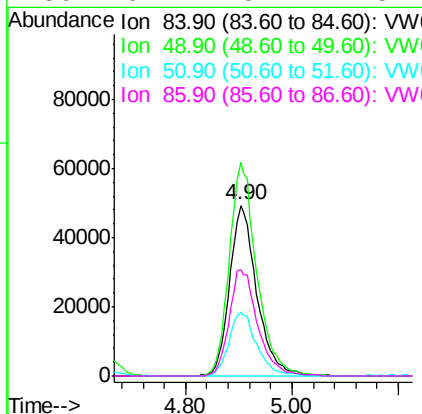
MMDadoda
 2/4/2019 4:32:35 PM

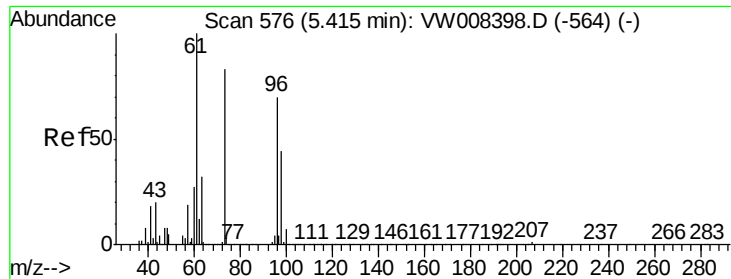


#20

Methylene Chloride
 Concen: 64.183 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.2	106.8	160.2
51	37.2	32.9	49.3
86	62.1	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 52.032 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

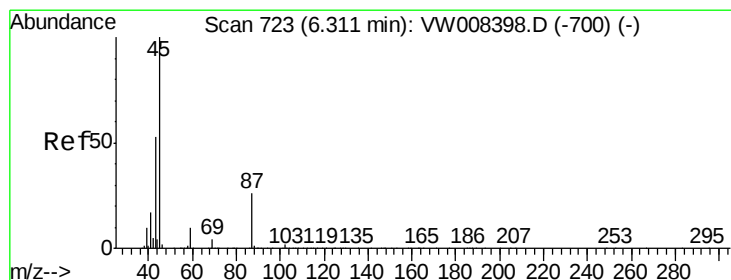
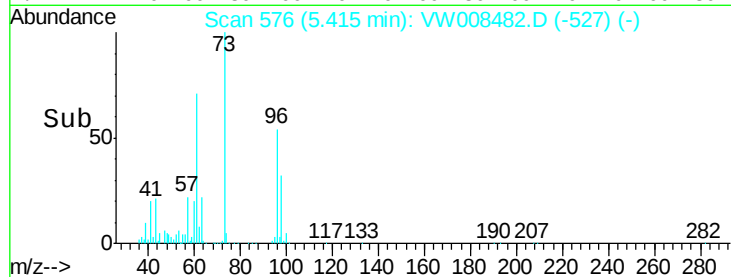
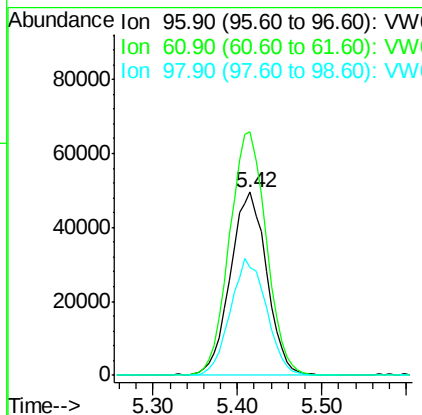
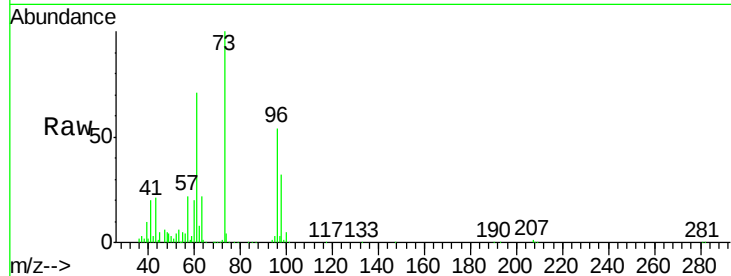
ClientSampleId :

A0C17-SS1MS

Tot Ion:	96	Resp:	144489
Ion	Ratio	Lower	Upper
96	100		
61	132.8	114.4	171.6
98	59.0	50.6	75.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 60.125 ug/l

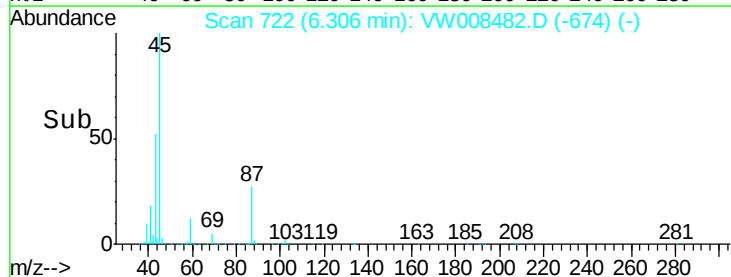
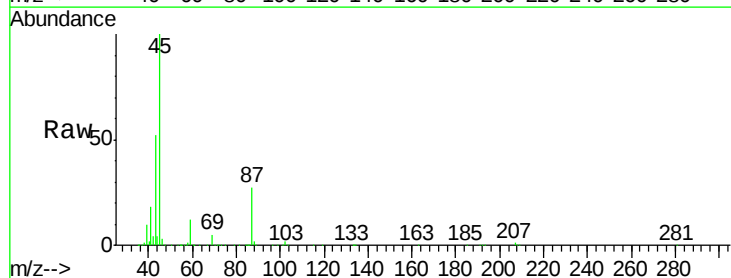
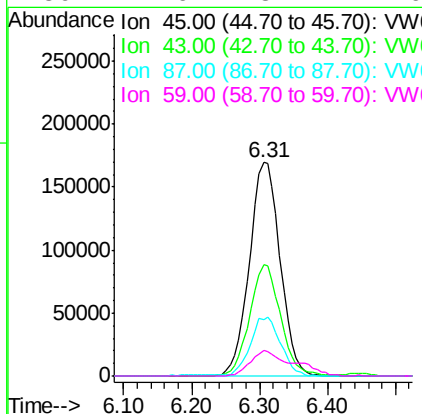
RT: 6.31 min Scan# 722

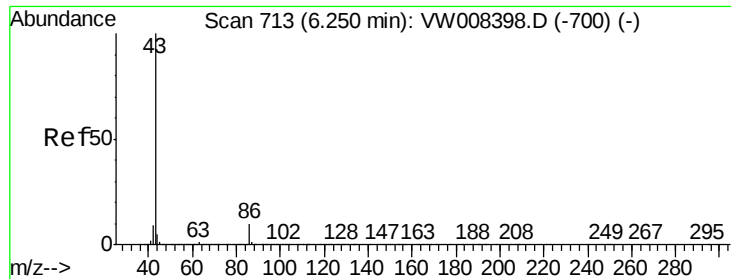
Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	45	Resp:	534464
Ion	Ratio	Lower	Upper
45	100		
43	52.0	42.6	63.8
87	26.6	20.3	30.5
59	11.6	8.4	12.6





#23

Vinyl Acetate

Concen: 53.092 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.06 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 43 Resp: 278678

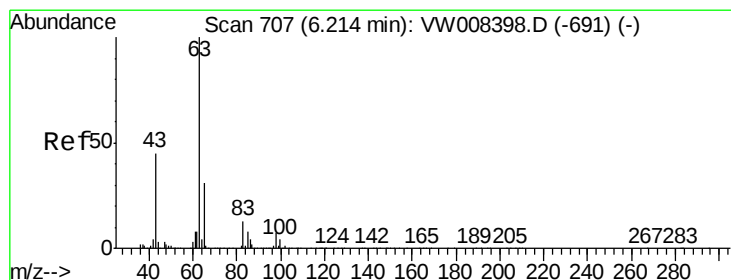
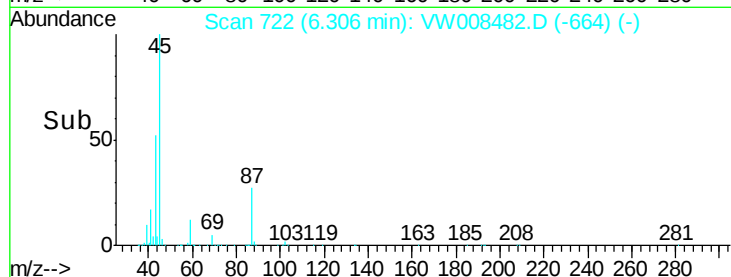
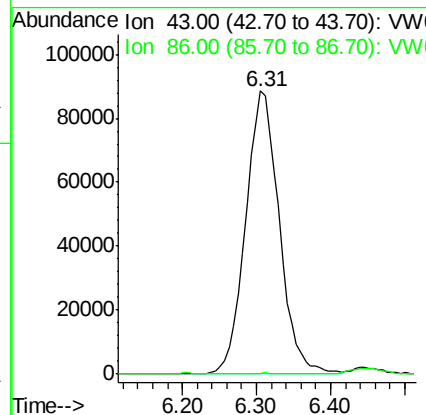
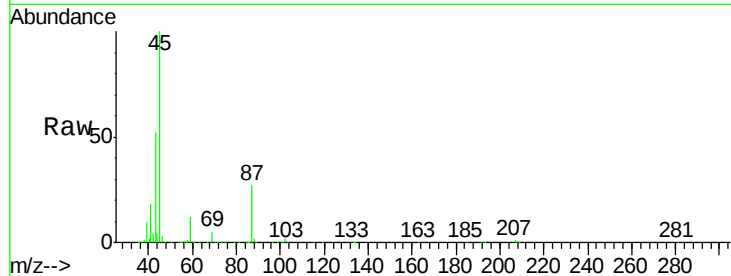
Ion Ratio Lower Upper

43 100

86 0.0 7.8 11.8#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 58.890 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

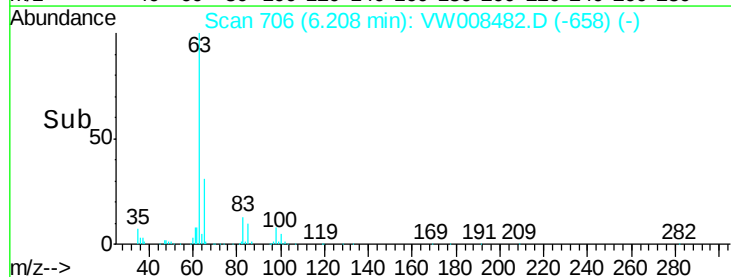
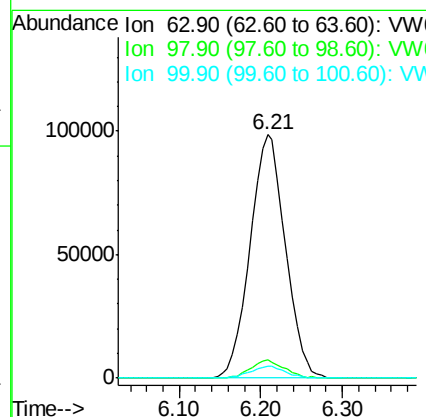
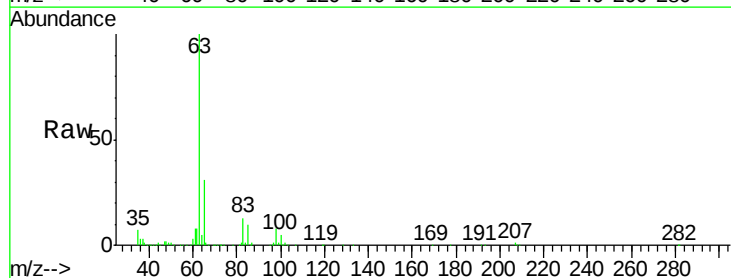
Tgt Ion: 63 Resp: 296319

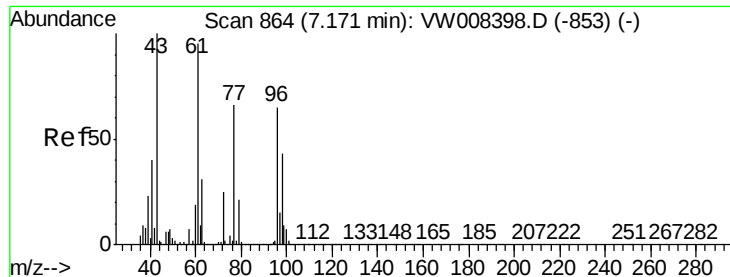
Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 423.800 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 43 Resp: 350443

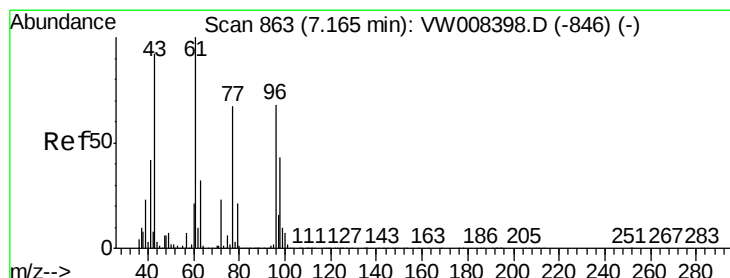
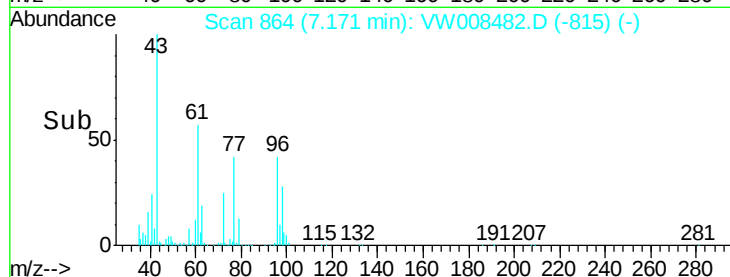
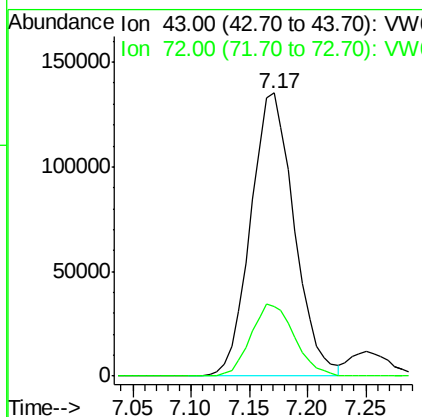
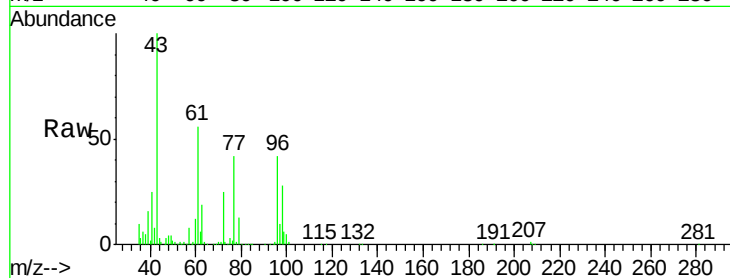
Ion Ratio Lower Upper

43 100

72 24.8 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 55.299 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008482.D

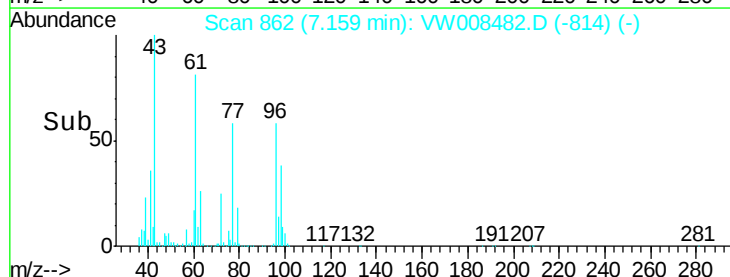
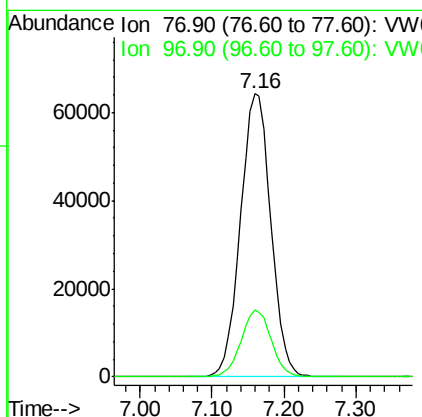
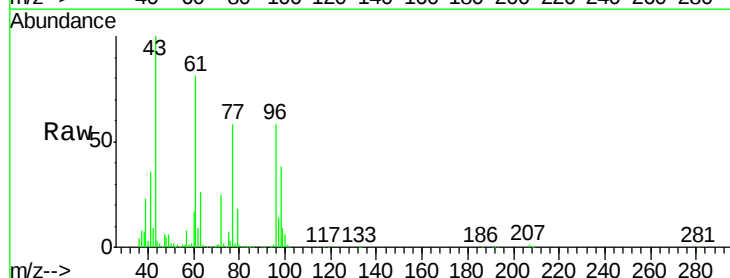
Acq: 01 Feb 2019 15:30

Tgt Ion: 77 Resp: 188080

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.5





#27

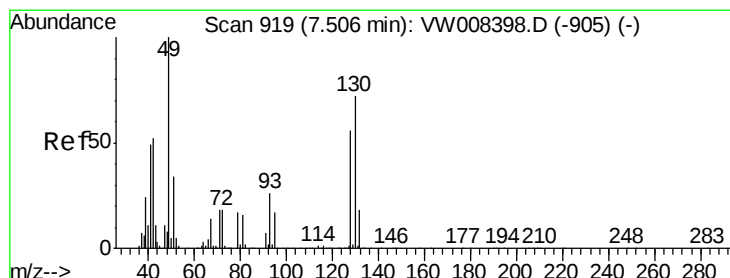
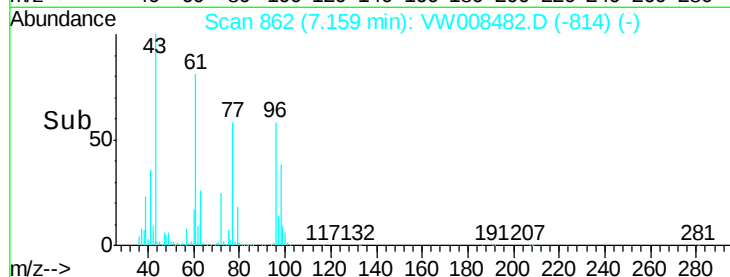
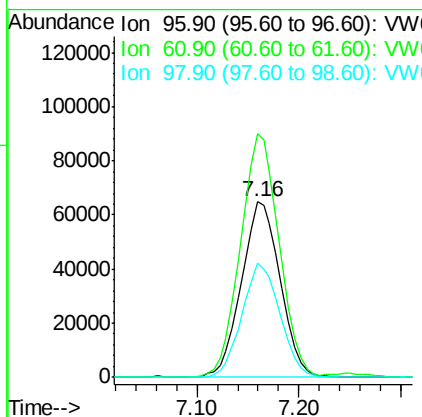
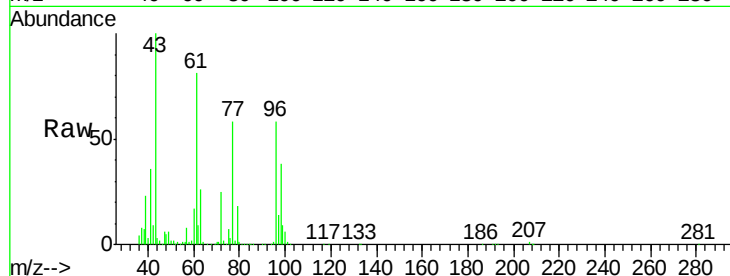
cis-1,2-Dichloroethene
Concen: 56.144 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	169914		
61	139.3	0.0	292.8	
98	64.3	0.0	129.2	

Manual Integrations
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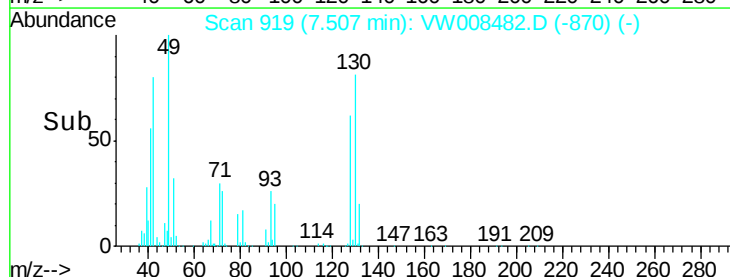
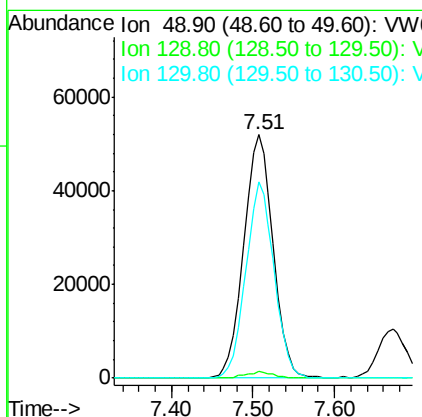
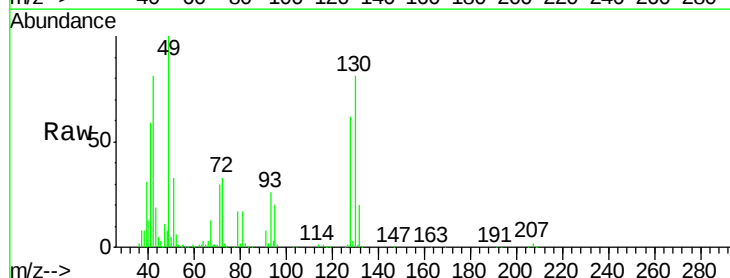
MMDadoda
2/4/2019 4:32:35 PM

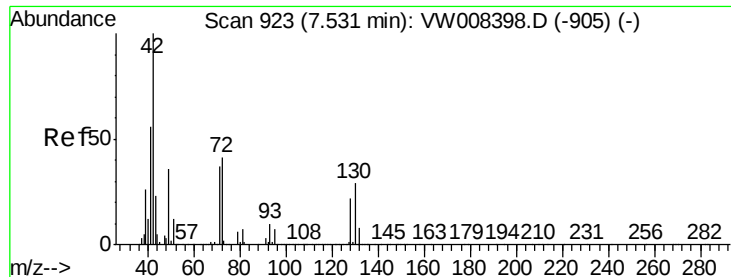


#28

Bromochloromethane
Concen: 56.143 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129752		
129	2.5	0.0	4.6	
130	77.8	58.6	87.8	





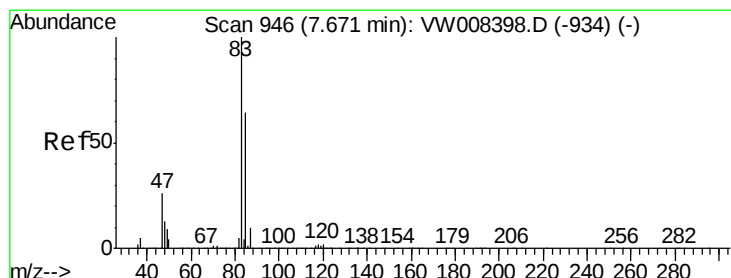
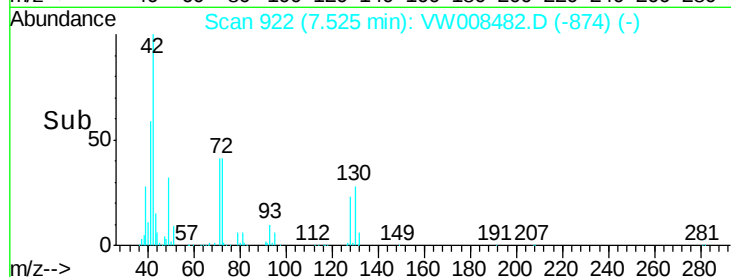
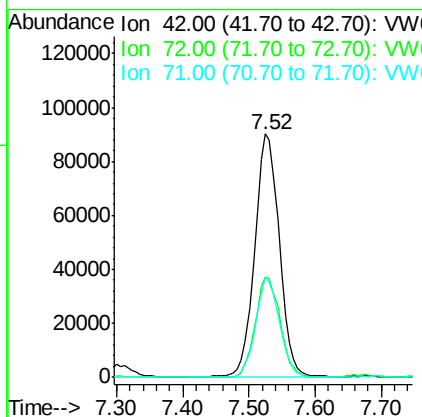
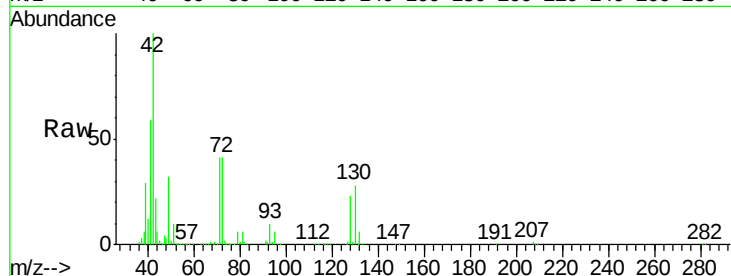
#29
Tetrahydrofuran
Concen: 444.928 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	31.9	47.9
71	39.9	29.9	44.9

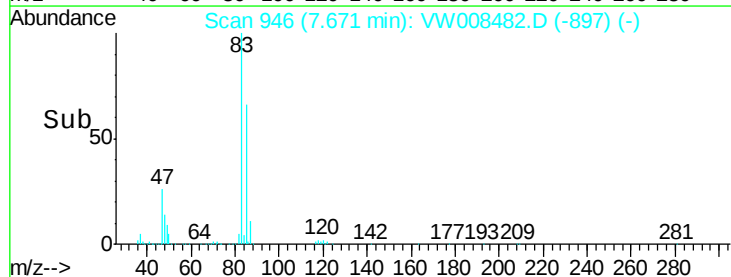
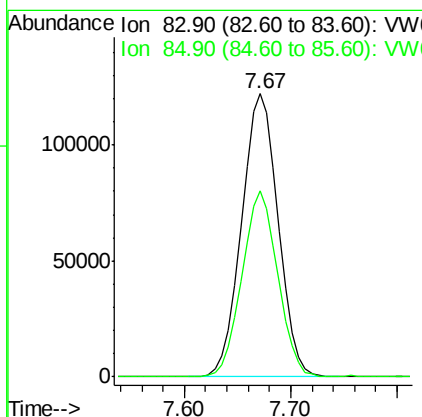
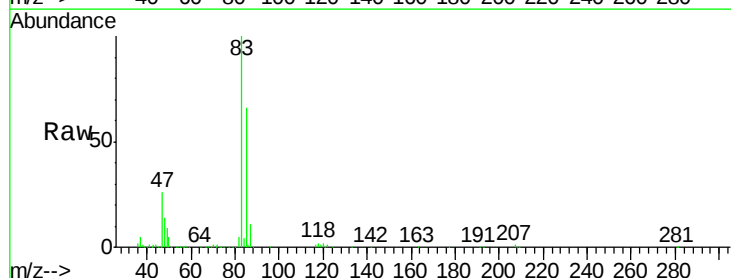
Manual Integrations
APPROVED

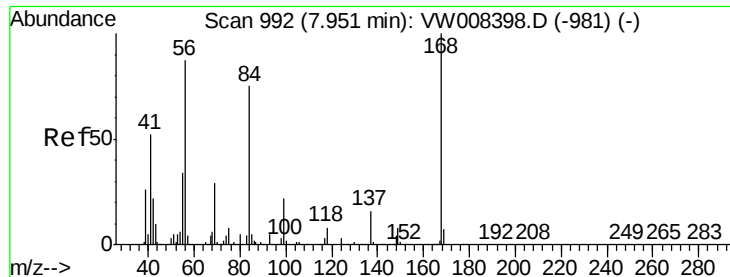
MMDadoda
2/4/2019 4:32:35 PM



#30
Chloroform
Concen: 59.301 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.9	76.3





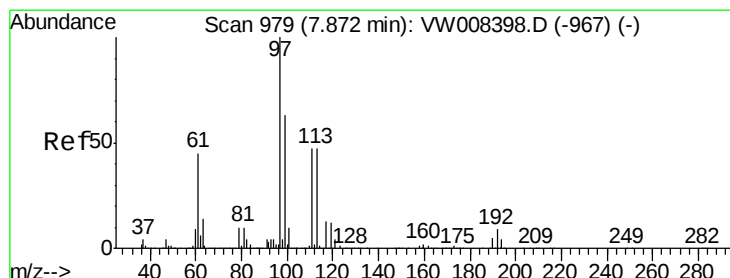
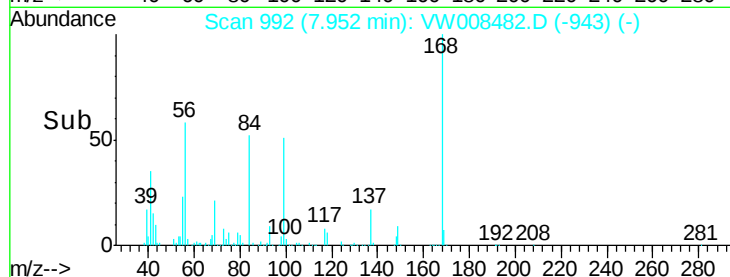
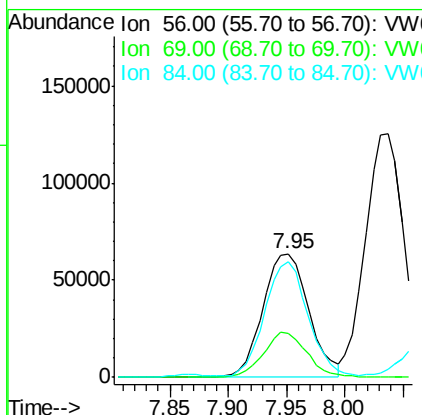
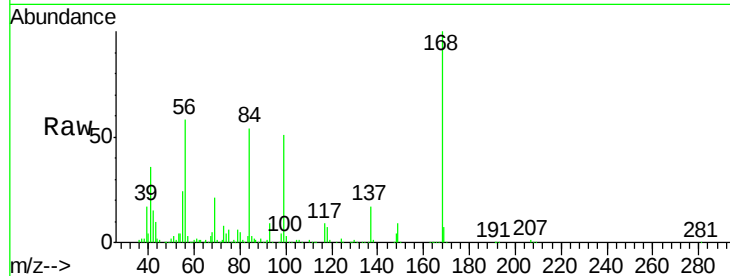
#31
Cyclohexane
Concen: 33.339 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.4	39.6
84	91.4	69.1	103.7

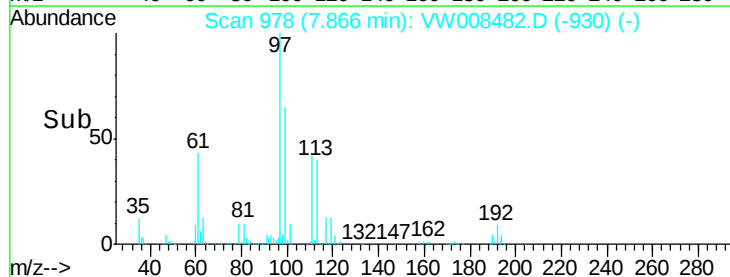
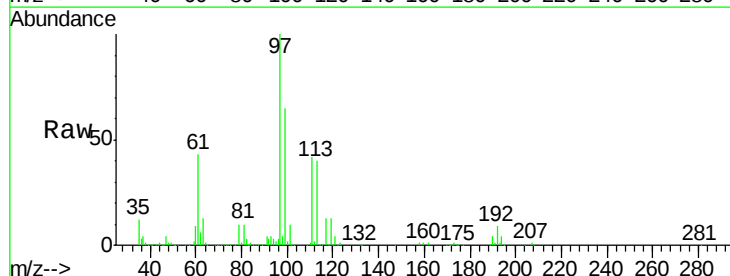
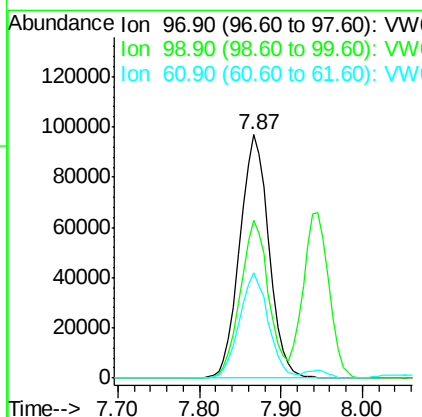
Manual Integrations
APPROVED

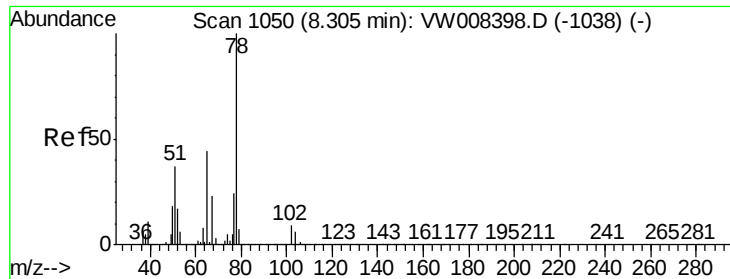
MMDadoda
2/4/2019 4:32:35 PM



#32
1,1,1-Trichloroethane
Concen: 56.326 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	42.9	36.2	54.4





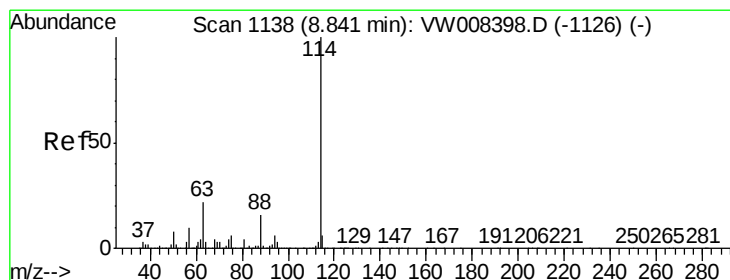
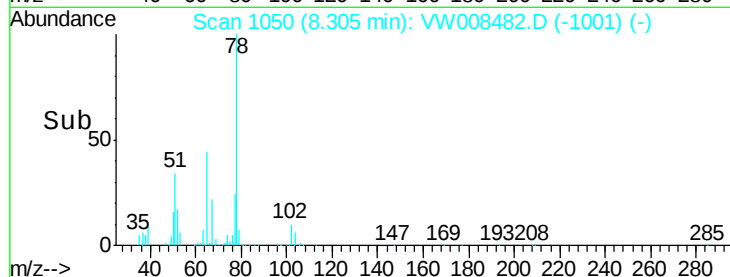
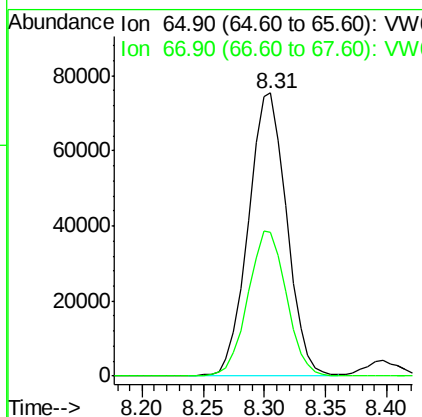
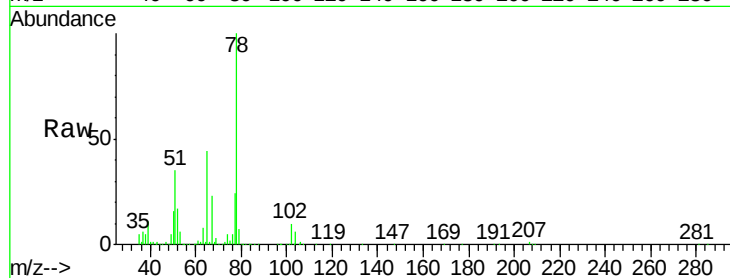
#33
 1,2-Dichloroethane-d4
 Concen: 62.219 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164947		
67	51.6	0.0	104.0	

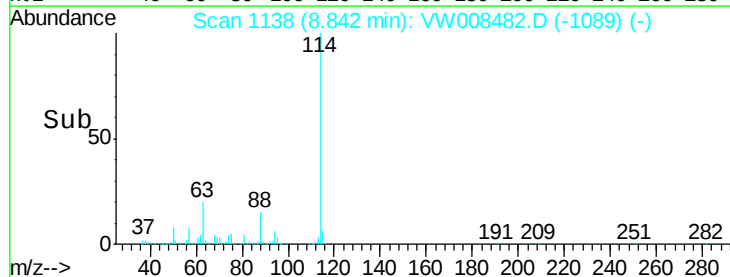
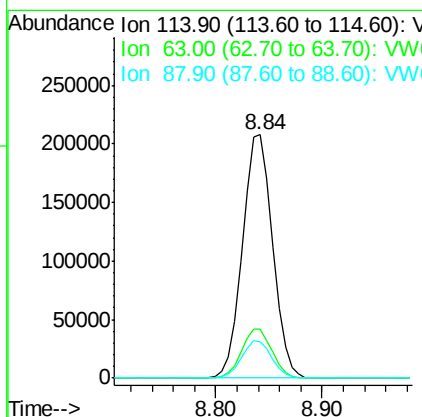
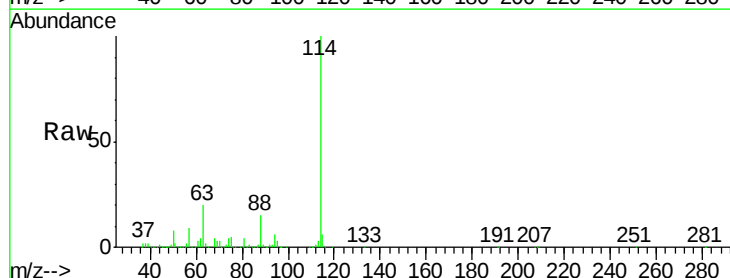
Manual Integrations
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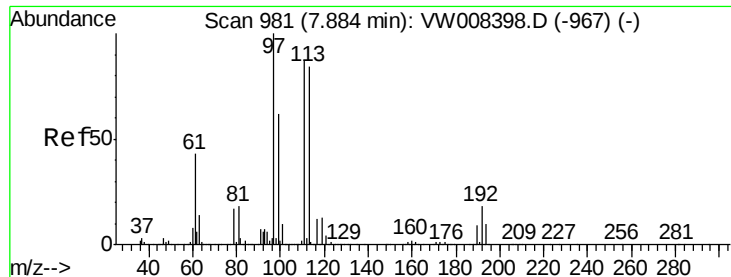
MMDadoda
 2/4/2019 4:32:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	414244		
63	20.0	0.0	43.6	
88	15.0	0.0	31.8	





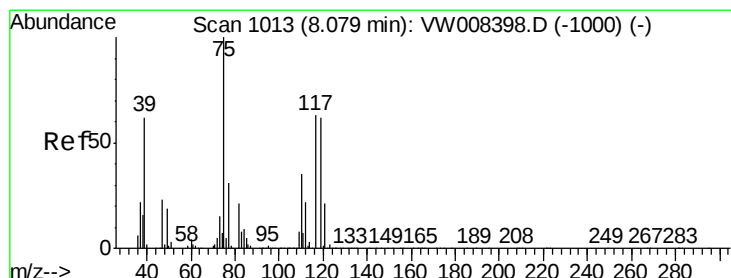
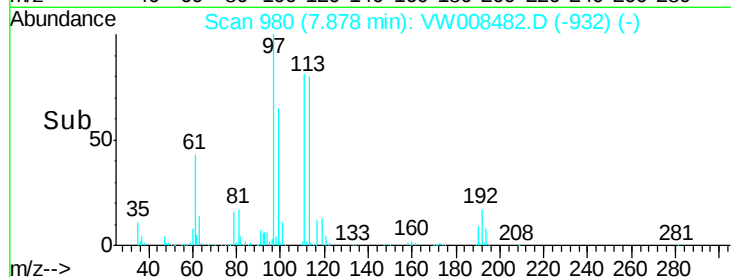
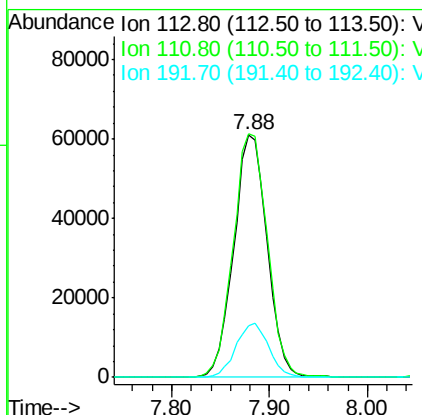
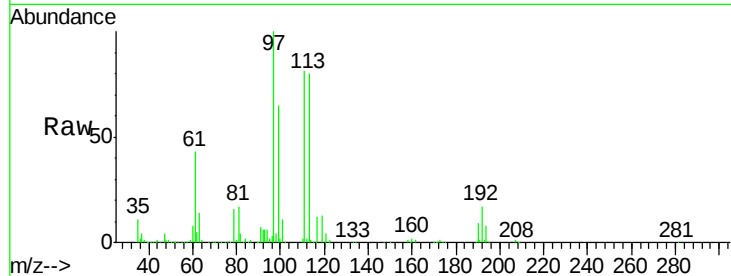
#35
Dibromofluoromethane
Concen: 59.590 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.0	121.4
192	22.0	16.8	25.2

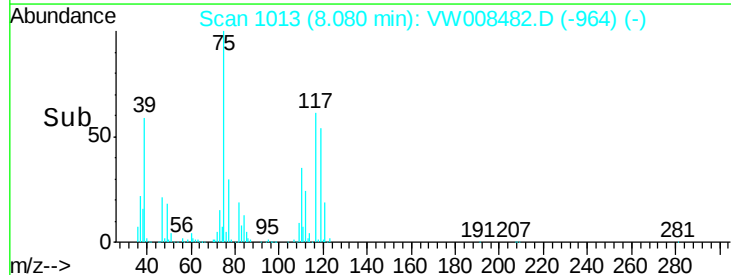
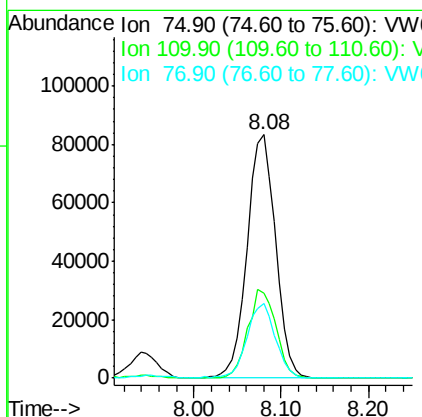
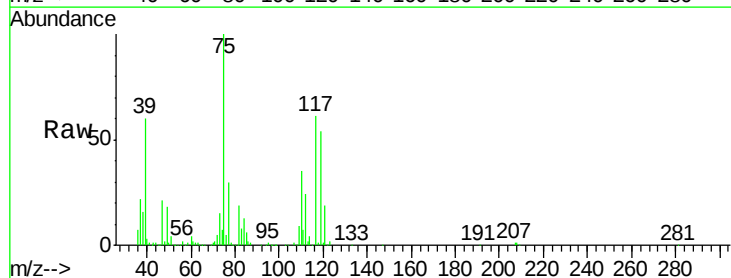
Manual Integrations
APPROVED

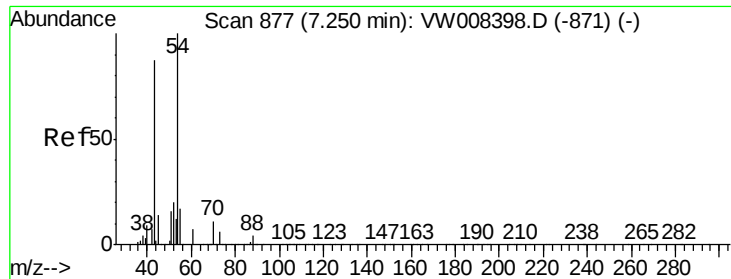
MMDadoda
2/4/2019 4:32:35 PM



#36
1,1-Dichloropropene
Concen: 48.057 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.3	52.0
77	30.7	24.7	37.1





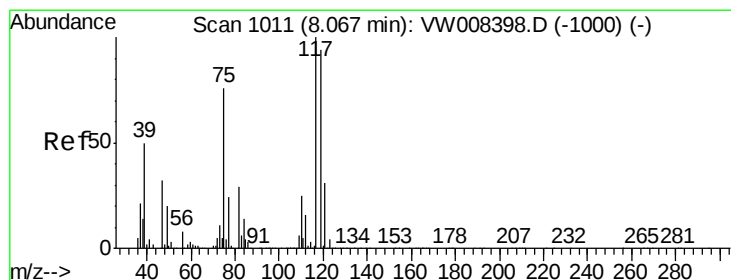
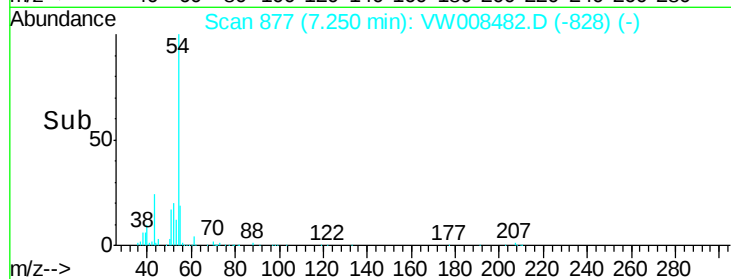
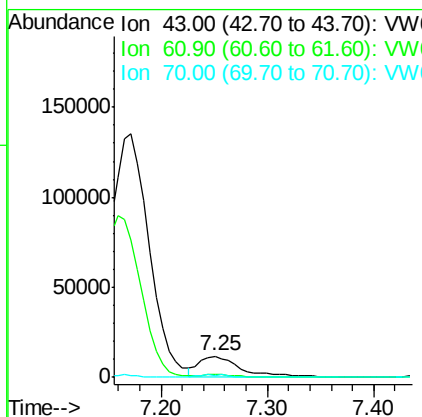
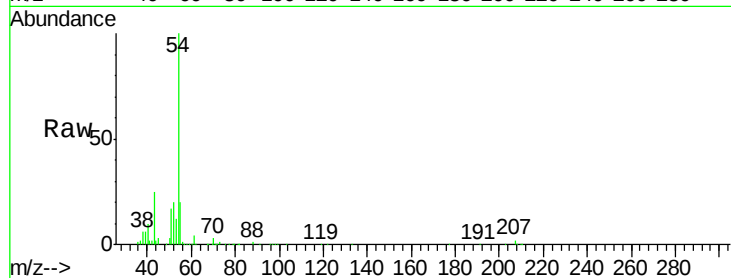
#37
Ethyl Acetate
Concen: 17.685 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.1	15.1#
70	11.3	7.8	11.6

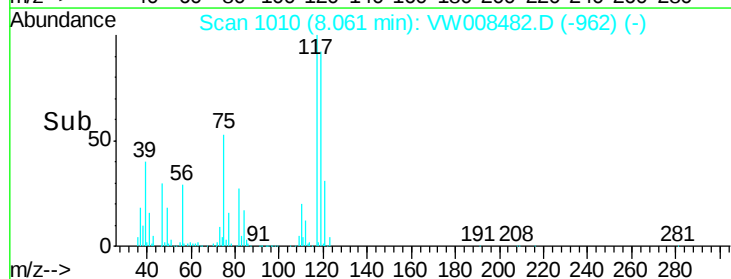
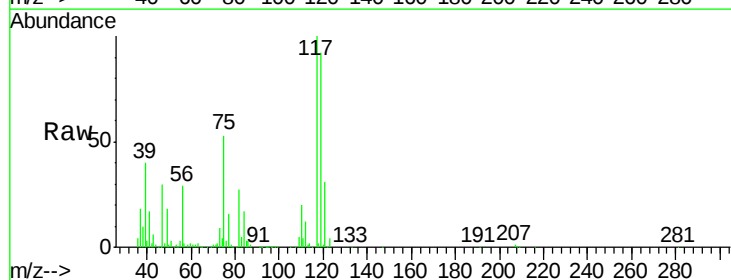
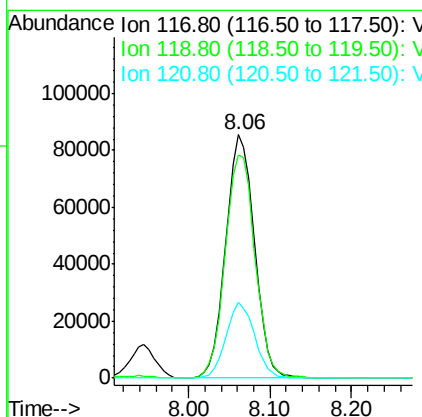
Manual Integrations
APPROVED

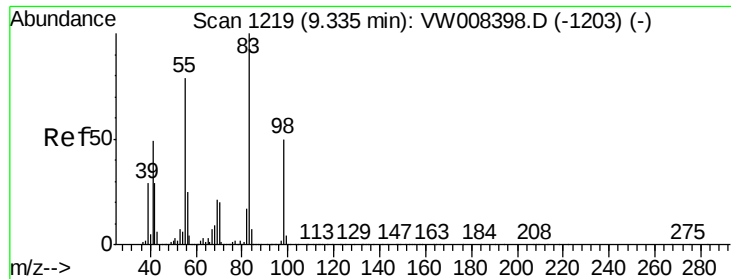
MMDadoda
2/4/2019 4:32:35 PM



#38
Carbon Tetrachloride
Concen: 52.731 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	75.0	112.4
121	31.5	24.9	37.3





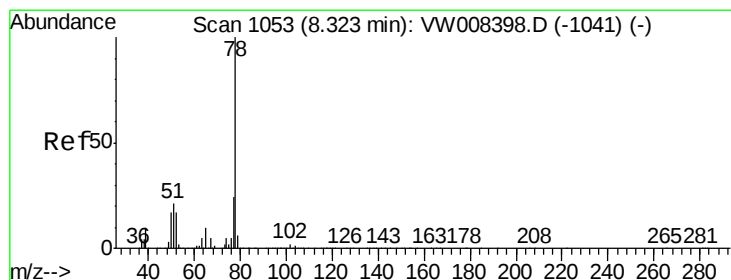
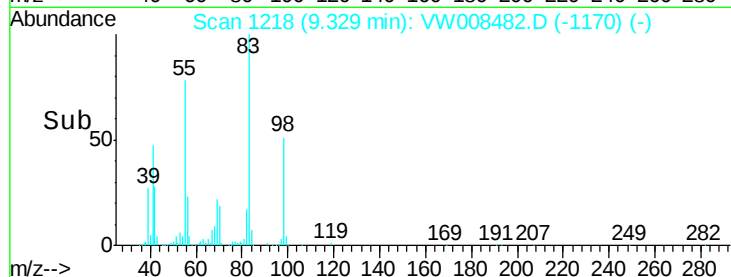
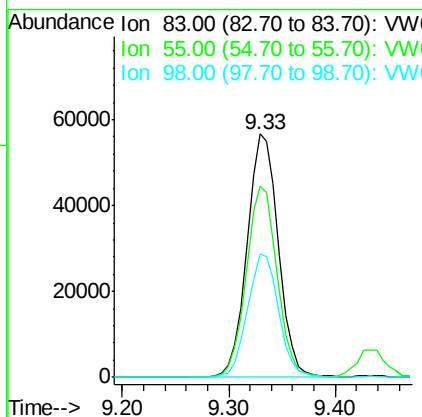
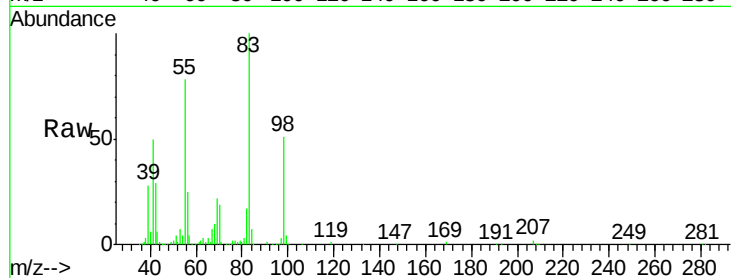
#39
Methvlcvclohexane
Concen: 22.751 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	63.3	94.9
98	50.6	39.7	59.5

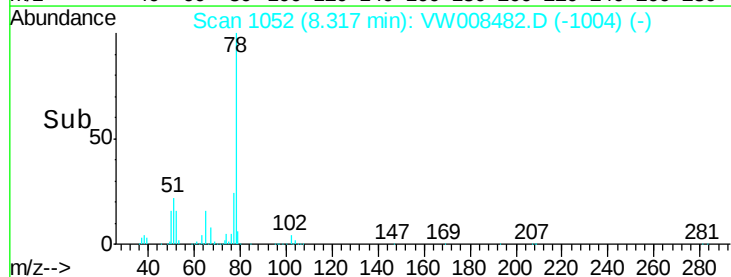
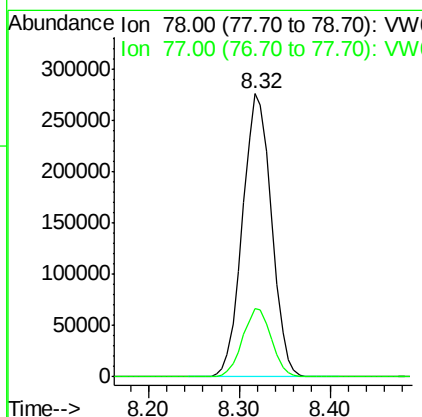
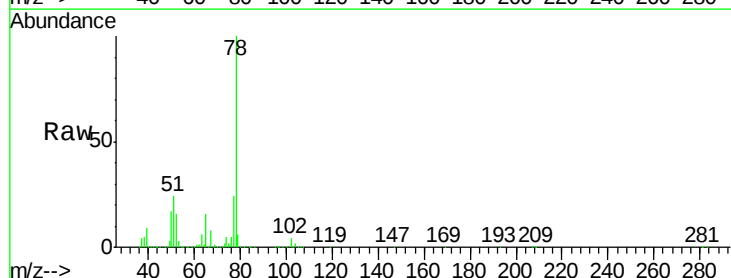
Manual Integrations
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#40
Benzene
Concen: 56.229 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





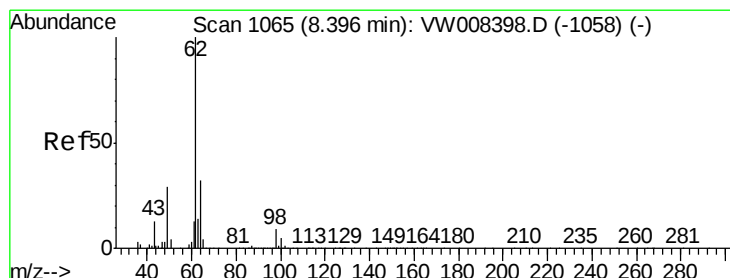
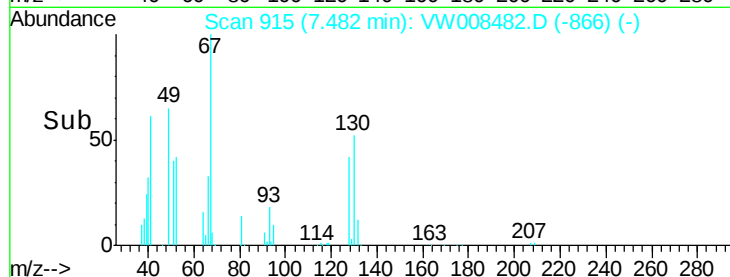
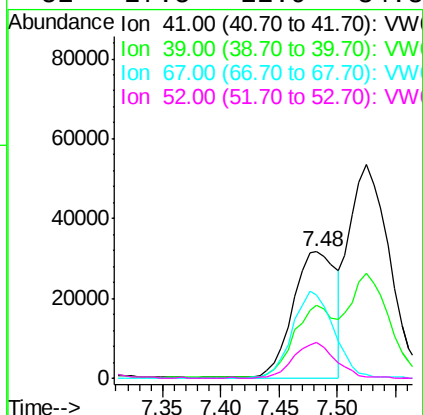
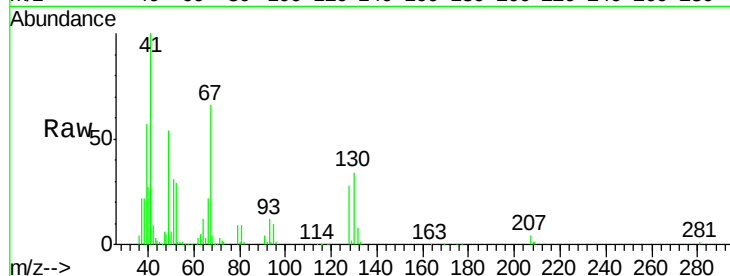
#41
Methacrylonitrile
Concen: 79.643 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		81641		
39	54.5	43.4	65.0		
67	66.6	54.2	81.2		
52	27.5	22.9	34.3		

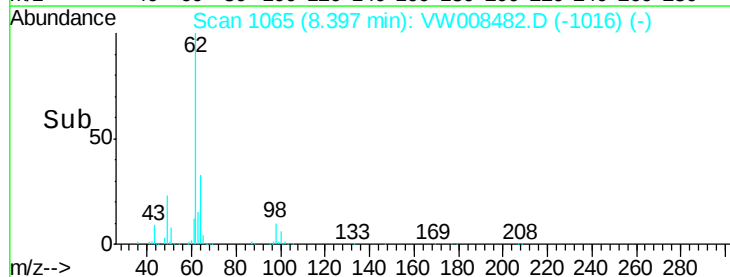
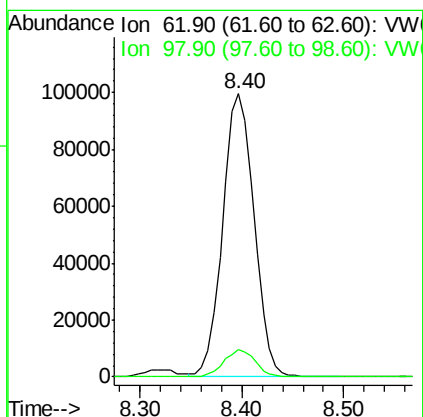
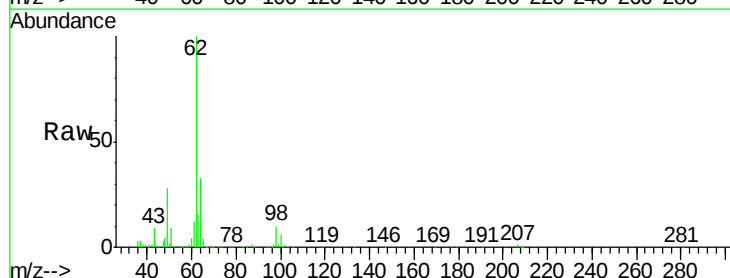
Manual Integrations
APPROVED

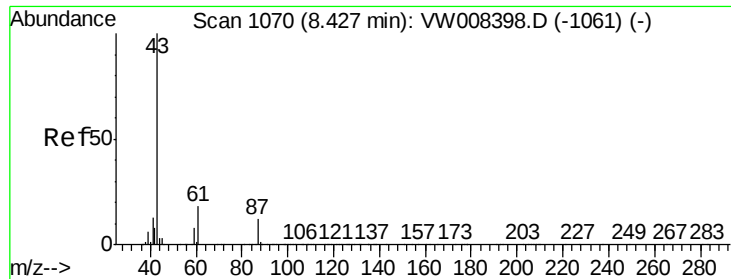
MMDadoda
2/4/2019 4:32:35 PM



#42
1,2-Dichloroethane
Concen: 67.532 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		212499		
98	9.7	0.0	18.6		





#43

Isopropyl Acetate

Concen: 35.253 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

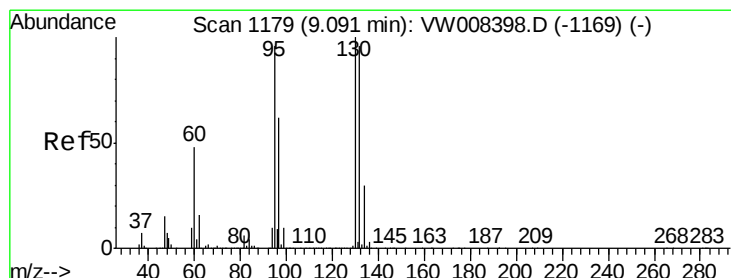
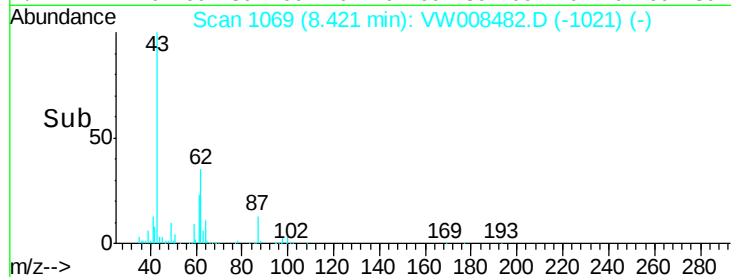
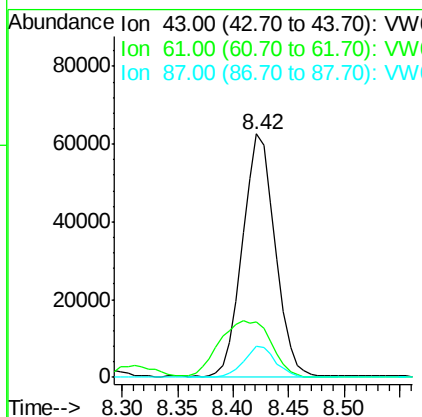
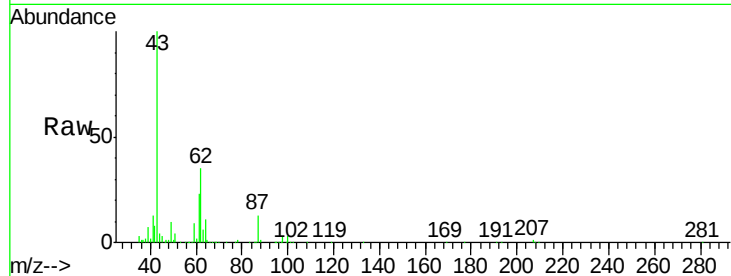
ClientSampleId :

A0C17-SS1MS

Tot Ion:	43	Resp:	126793
Ion	Ratio	Lower	Upper
43	100		
61	37.5	22.0	33.0#
87	12.7	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 50.120 ug/l

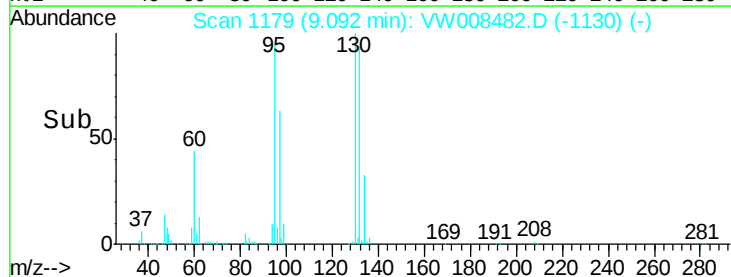
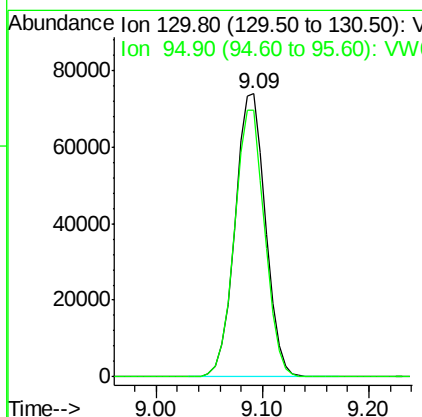
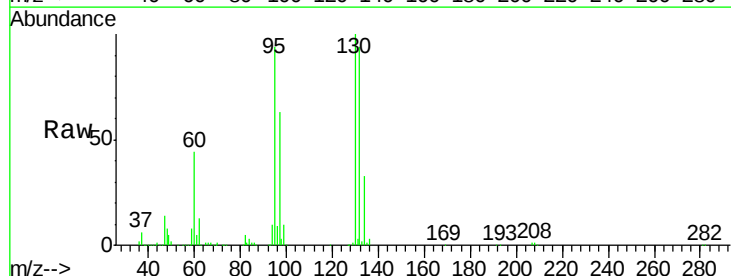
RT: 9.09 min Scan# 1179

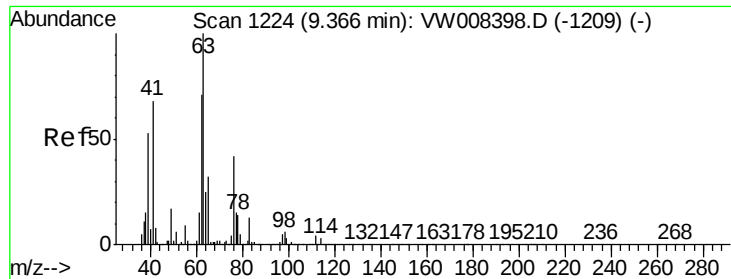
Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	130	Resp:	147989
Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	191.6





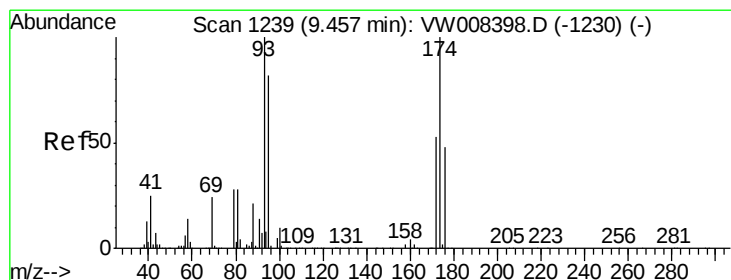
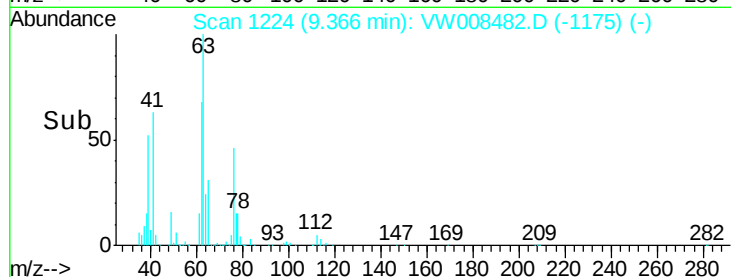
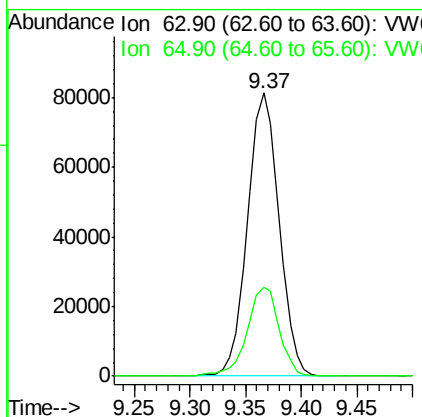
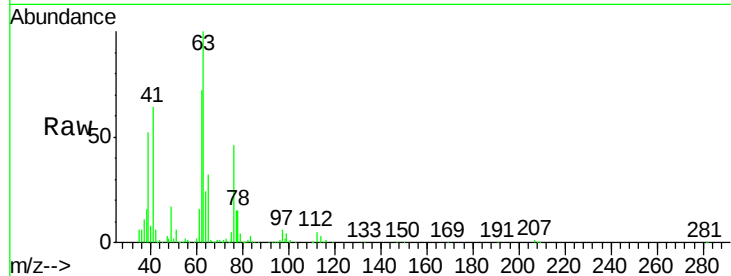
#45
 1,2-Dichloropropane
 Concen: 59.572 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.2	37.8

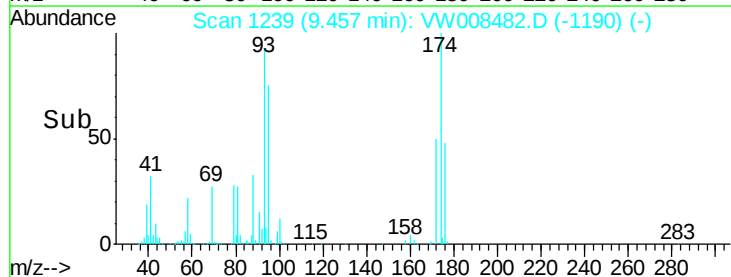
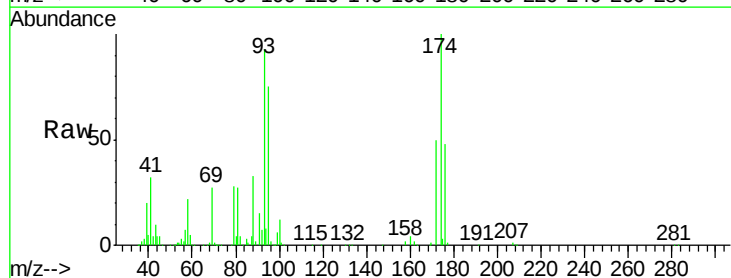
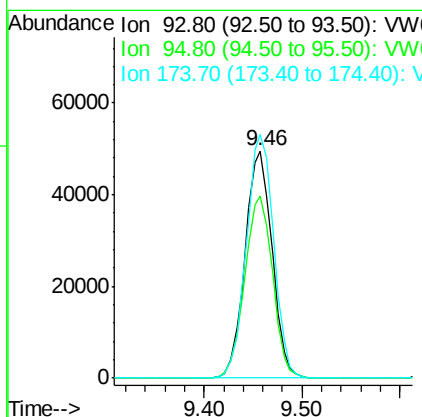
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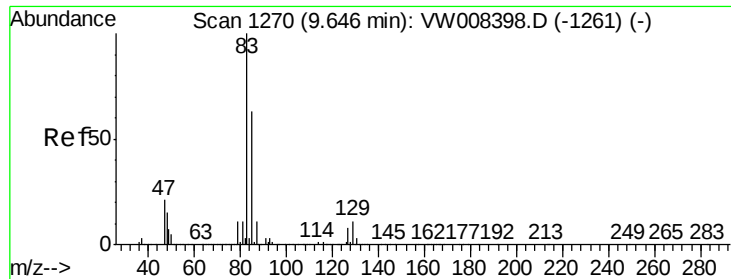
MMDadoda
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#46
 Dibromomethane
 Concen: 68.416 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	108.5	81.0	121.6





#47

Bromodichloromethane

Concen: 60.053 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

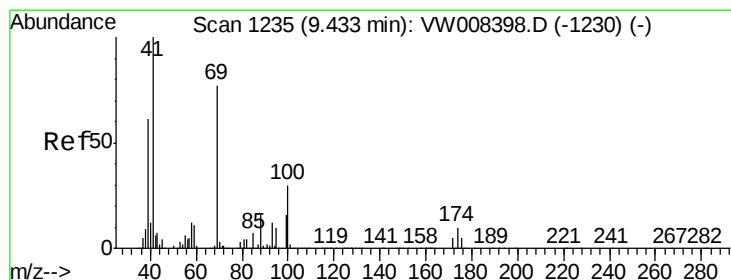
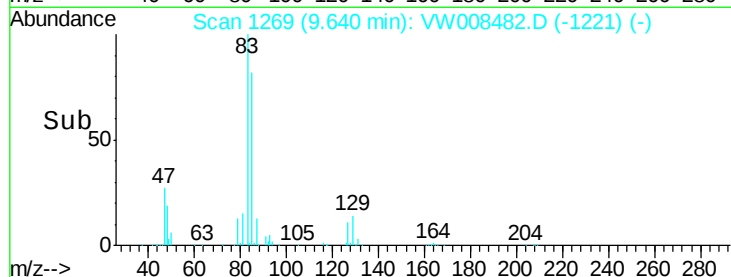
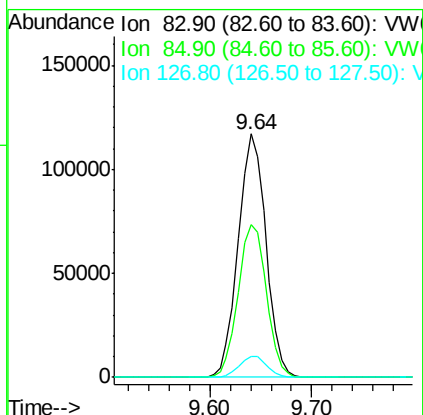
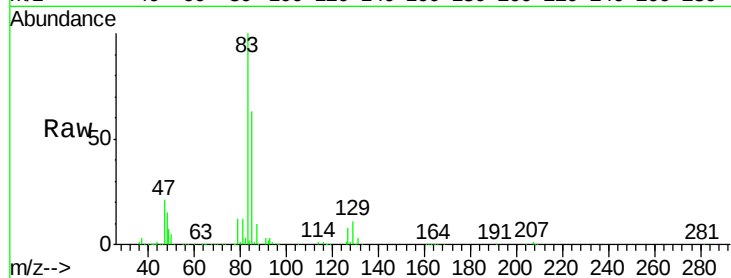
ClientSampleId :

A0C17-SS1MS

Tot Ion:	83	Resp:	221185
Ion Ratio	Lower	Upper	
83	100		
85	62.8	50.8	76.2
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 107.690 ug/l

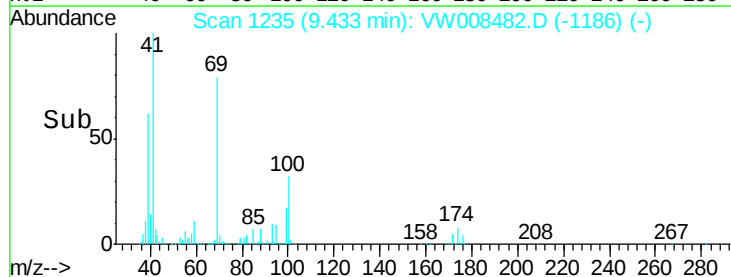
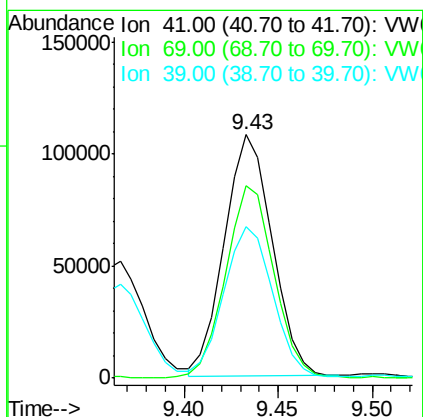
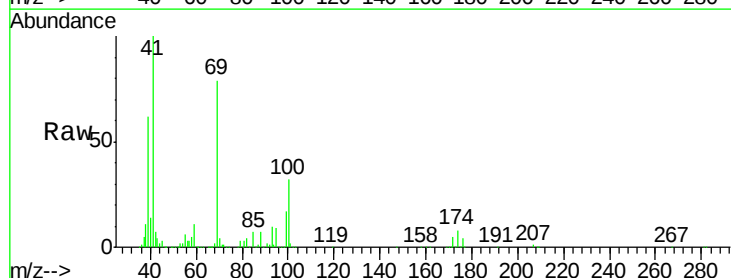
RT: 9.43 min Scan# 1235

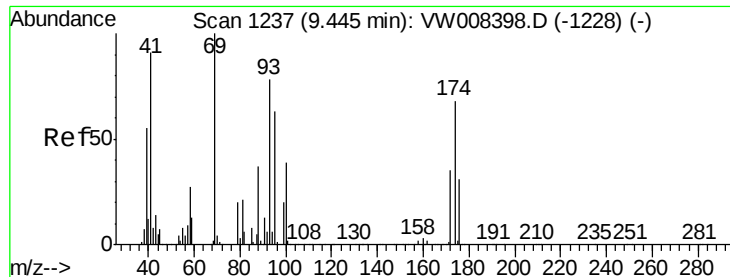
Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	41	Resp:	189387
Ion Ratio	Lower	Upper	
41	100		
69	80.5	64.8	97.2
39	63.9	49.1	73.7





#49

1,4-Dioxane

Concen: 1636.558 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008482.D

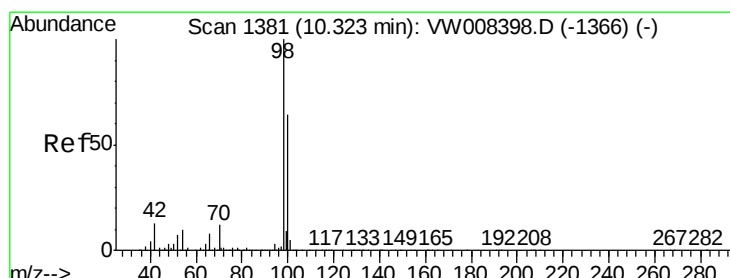
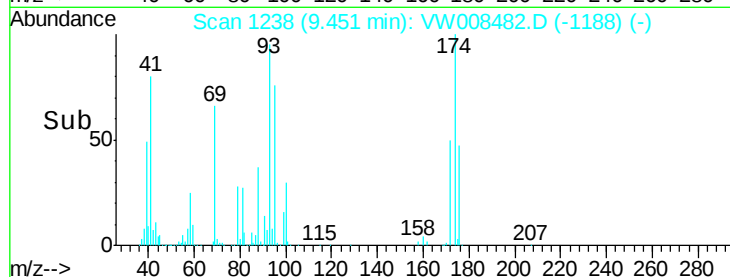
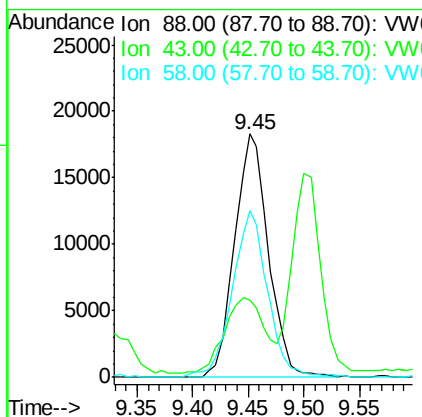
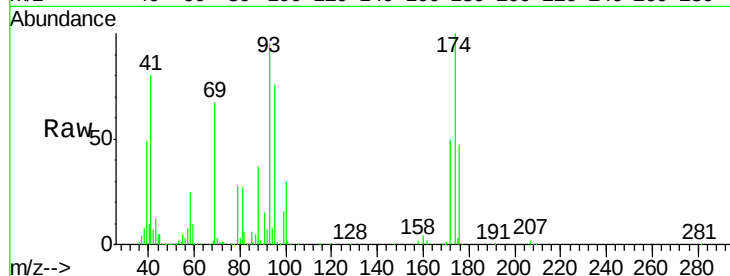
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion:	88	Resp:	38520
Ion	Ratio	Lower	Upper
88	100		
43	37.9	29.0	43.4
58	71.6	56.4	84.6

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#50

Toluene-d8

Concen: 47.904 ug/l

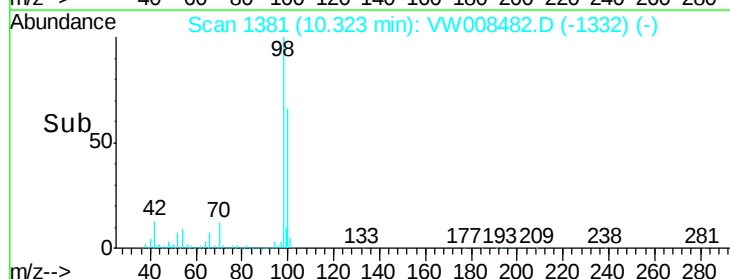
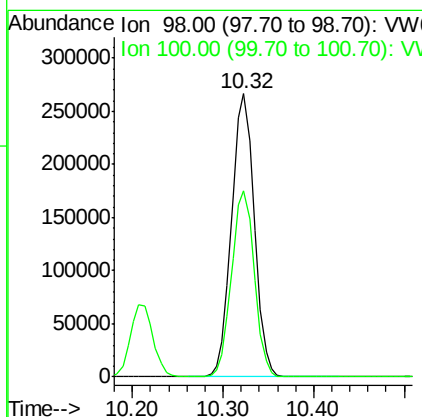
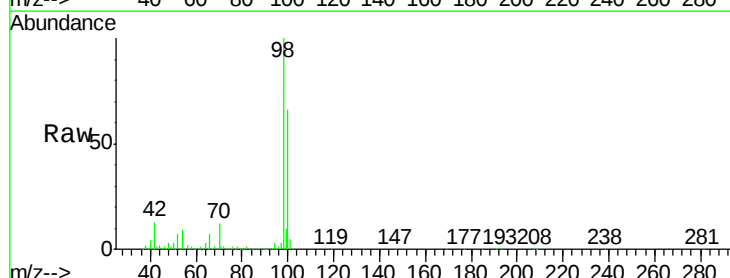
RT: 10.32 min Scan# 1381

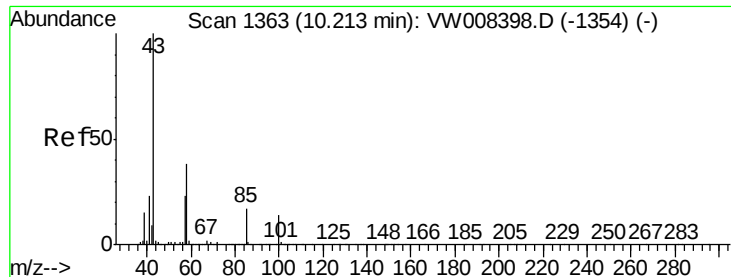
Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	98	Resp:	465301
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





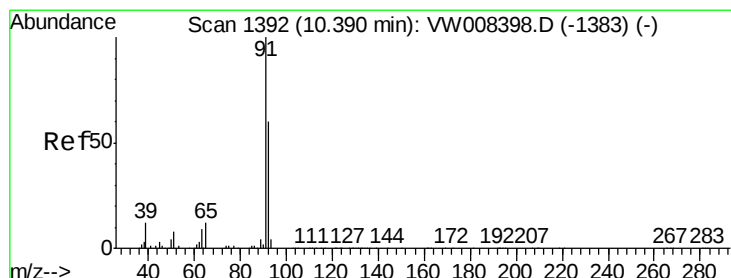
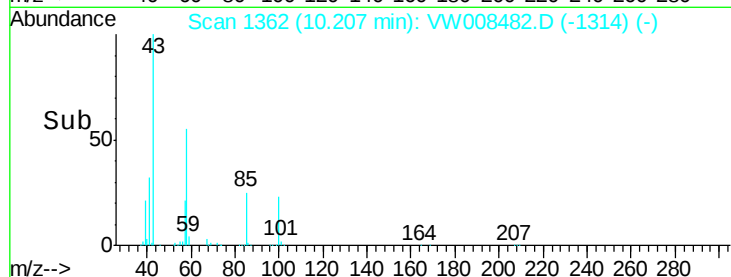
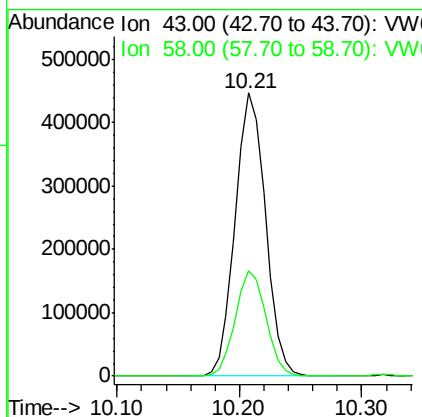
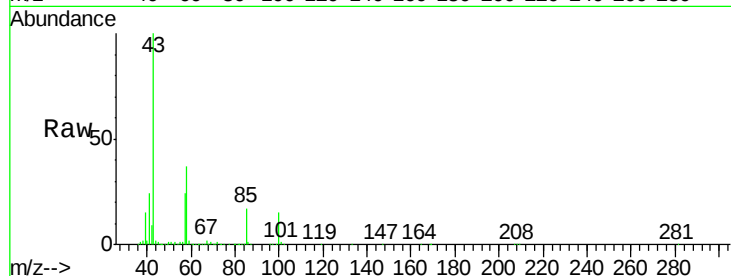
#51
4-Methyl-2-Pentanone
Concen: 431.558 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	43	Resp	766820
Ion Ratio	100	Lower	Upper
58	37.5	29.7	44.5

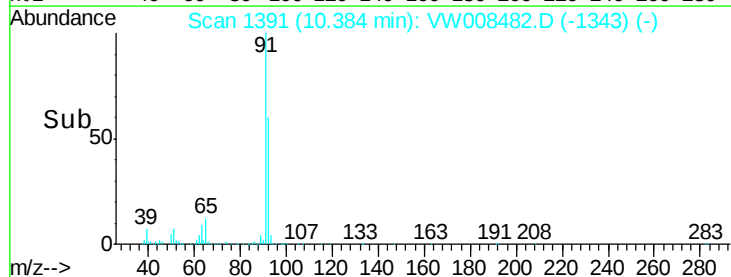
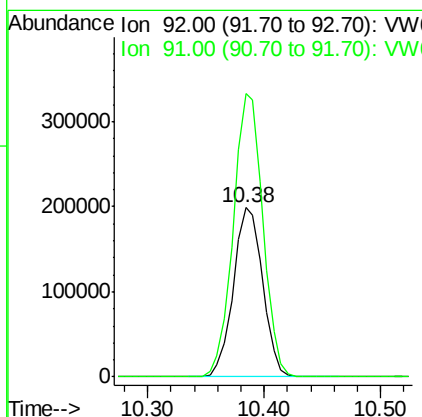
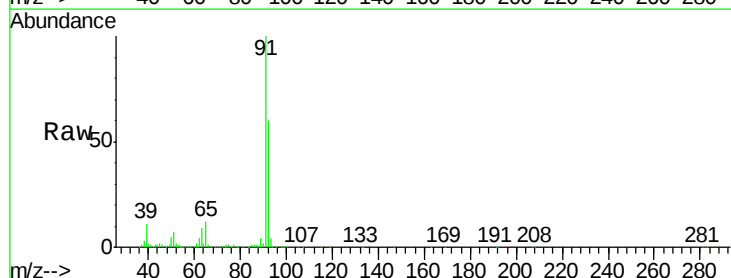
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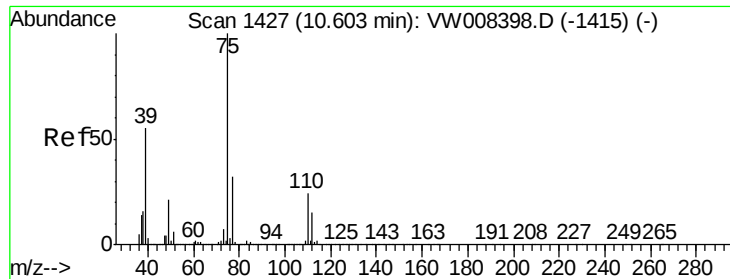
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#52
Toluene
Concen: 48.548 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	92	Resp	347976
Ion Ratio	100	Lower	Upper
91	169.0	135.5	203.3





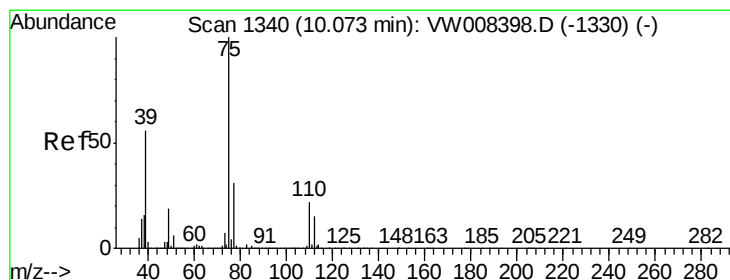
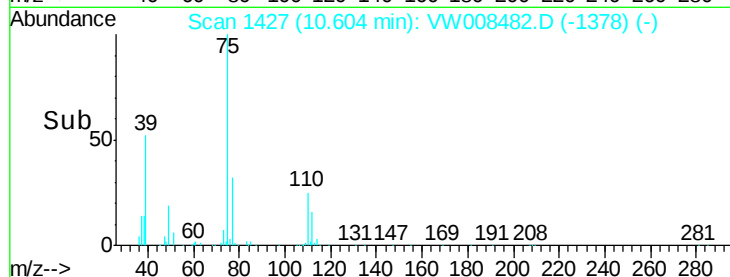
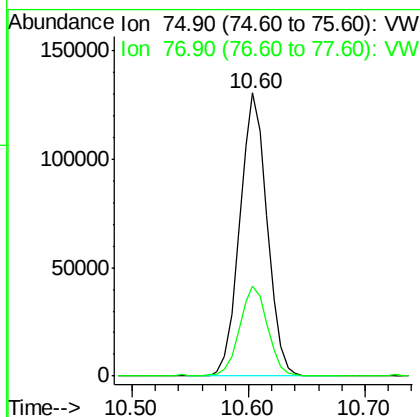
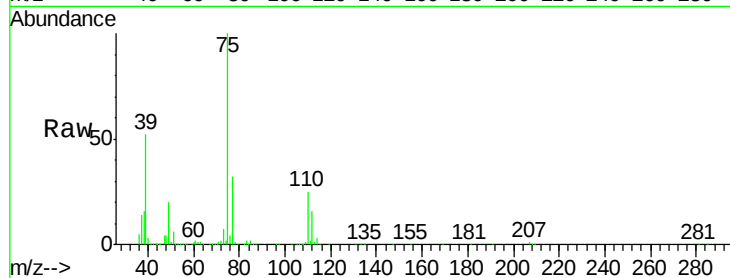
#53
t-1,3-Dichloropropene
Concen: 54.436 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9

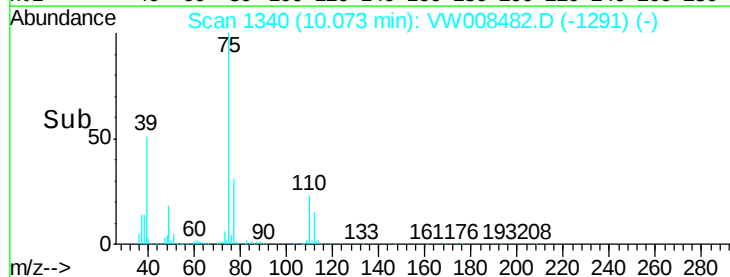
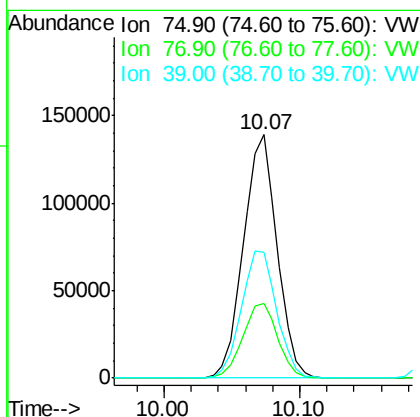
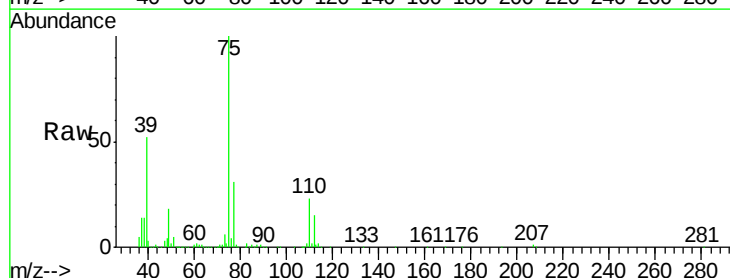
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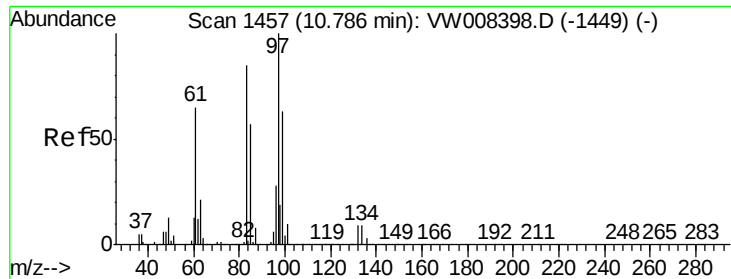
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#54
cis-1,3-Dichloropropene
Concen: 54.215 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.0	37.4
39	51.4	44.9	67.3





#55

1,1,2-Trichloroethane

Concen: 68.839 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

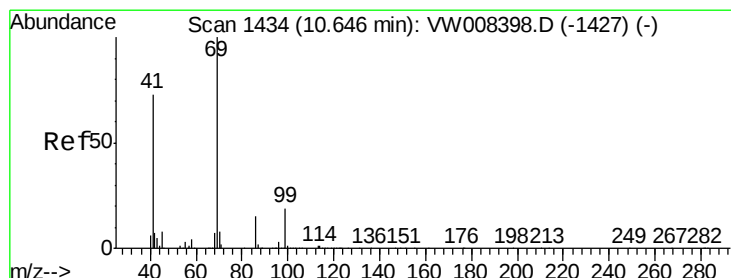
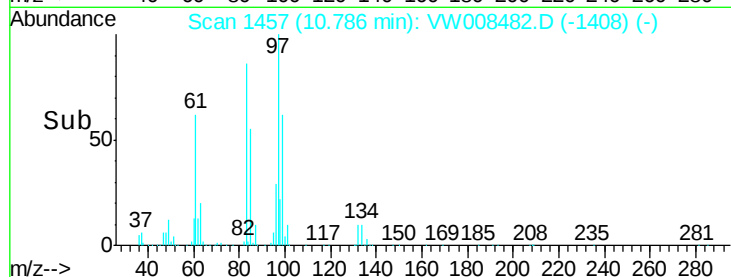
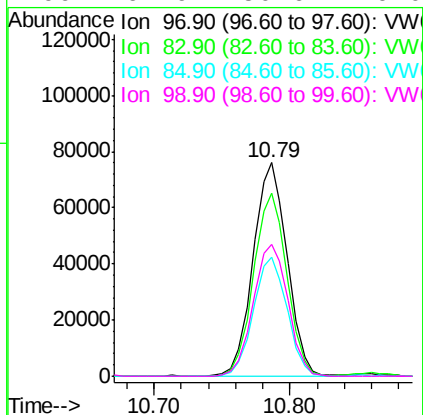
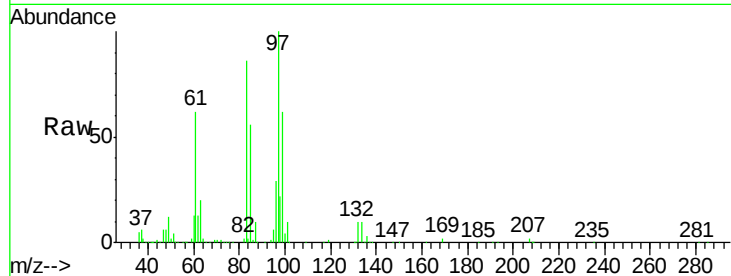
ClientSampleId :

A0C17-SS1MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		132958		
83	86.0	68.4	102.6		
85	55.5	45.3	67.9		
99	61.9	50.6	76.0		

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#56

Ethyl methacrylate

Concen: 17.900 ug/l

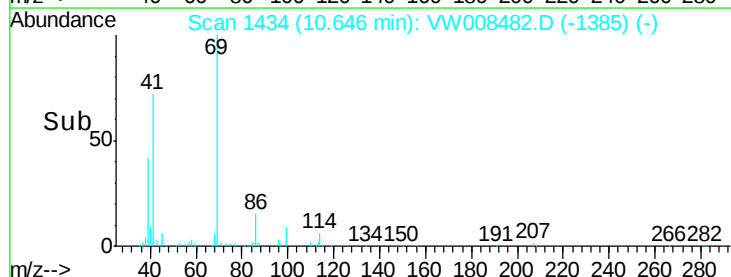
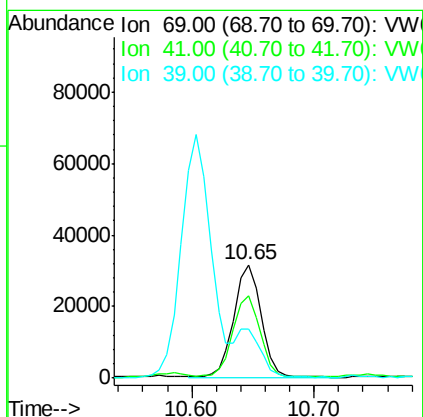
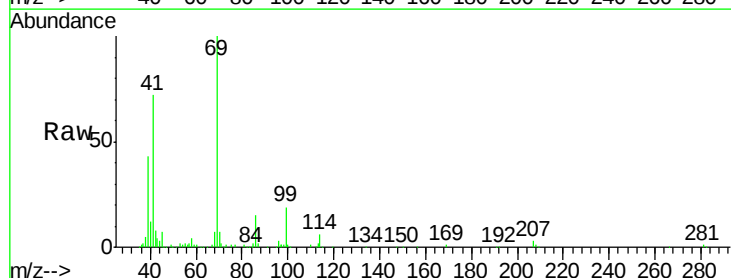
RT: 10.65 min Scan# 1434

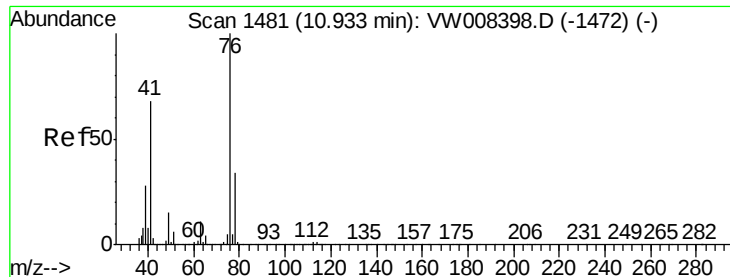
Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		48445		
41	73.7	58.7	88.1		
39	34.5	32.6	48.8		





#57

1,3-Dichloropropane

Concen: 66.423 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 76 Resp: 229838

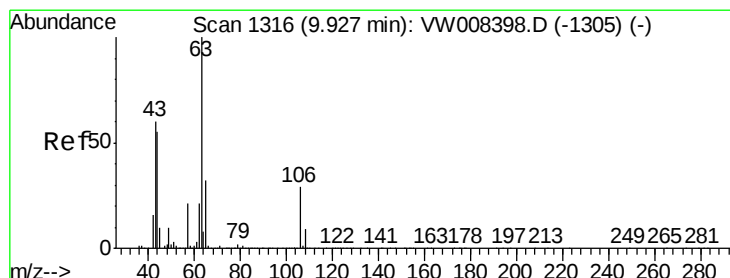
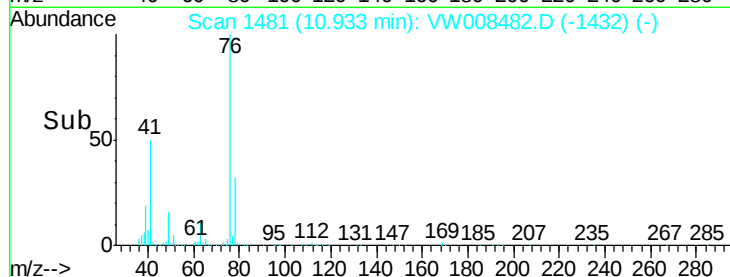
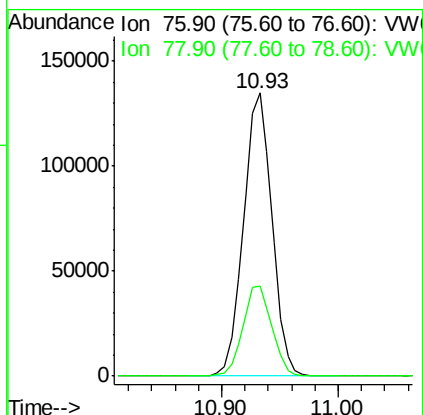
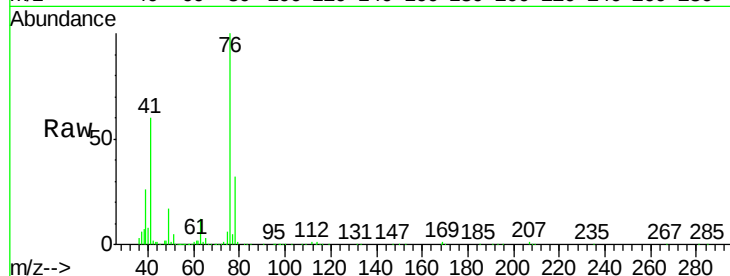
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 352.167 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008482.D

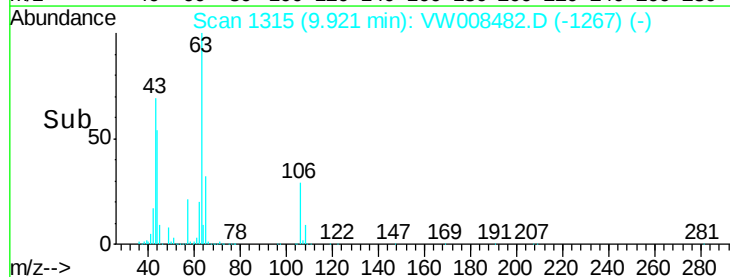
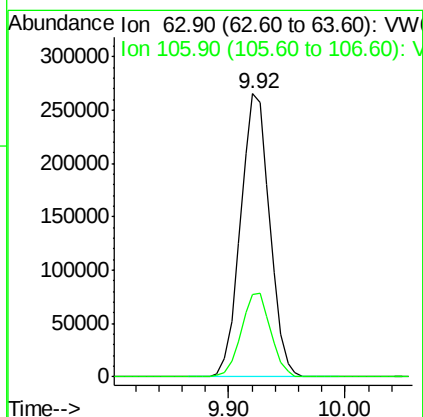
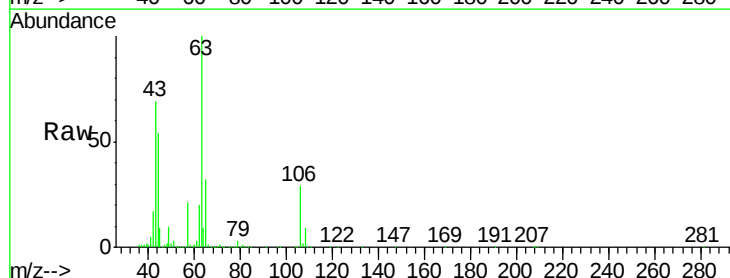
Acq: 01 Feb 2019 15:30

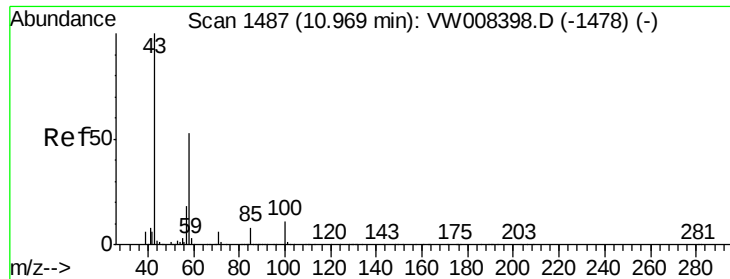
Tgt Ion: 63 Resp: 463083

Ion Ratio Lower Upper

63 100

106 29.9 22.4 33.6





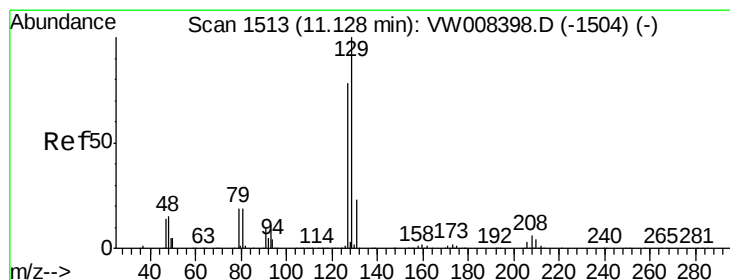
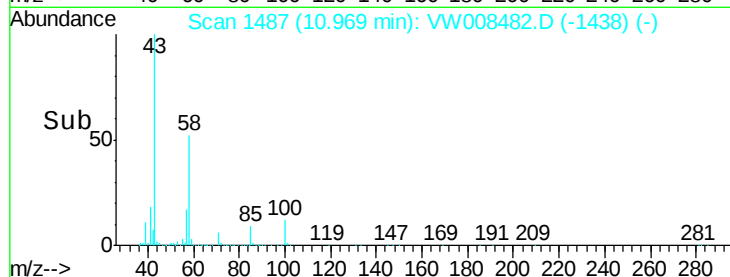
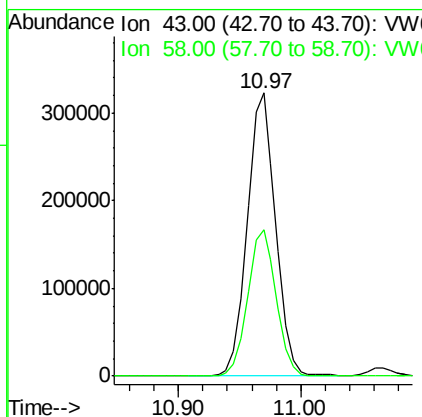
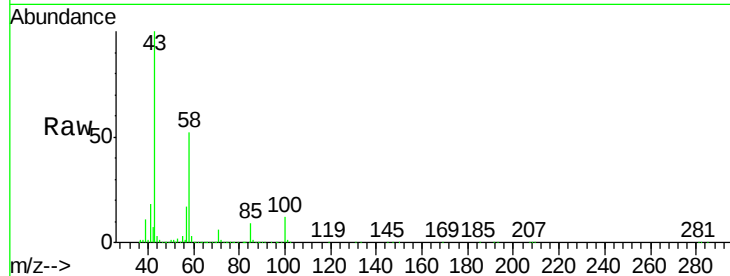
#59
2-Hexanone
Concen: 412.857 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion: 43 Resp: 517884
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

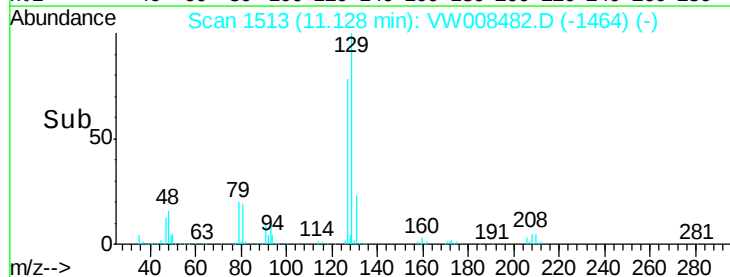
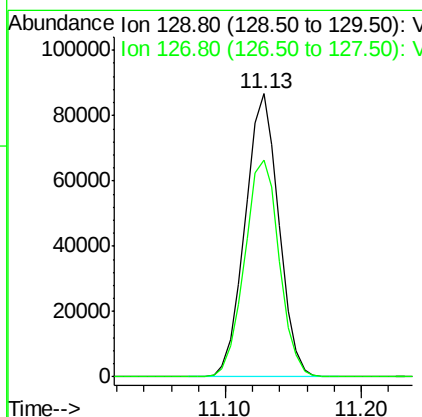
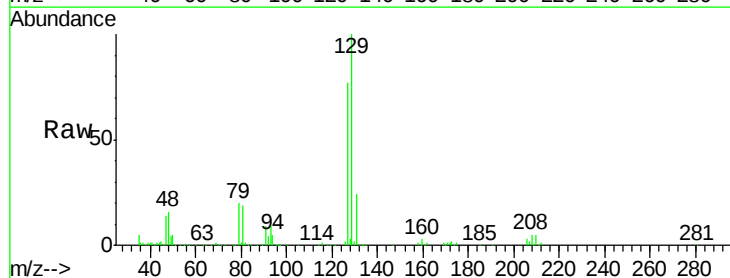
Manual Integrations
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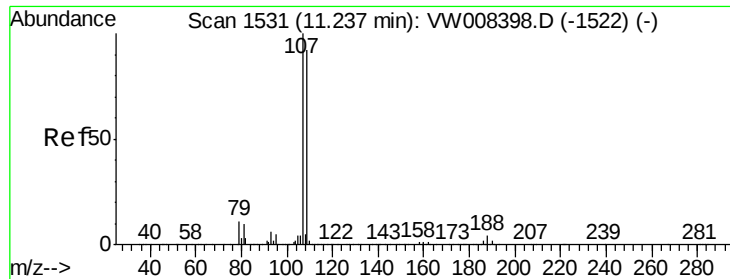
MMDadoda
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#60
Dibromochloromethane
Concen: 60.628 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion: 129 Resp: 150483
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 66.196 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 107 Resp: 126774

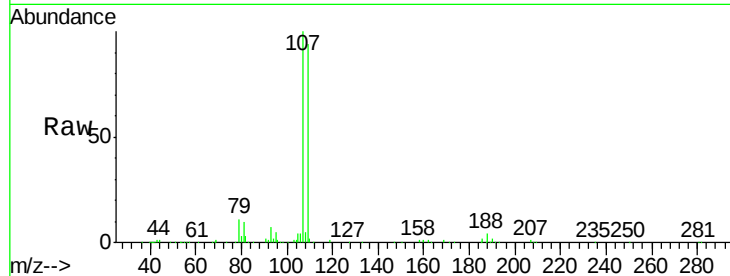
Ion Ratio Lower Upper

107 100

109 94.0 75.0 112.4

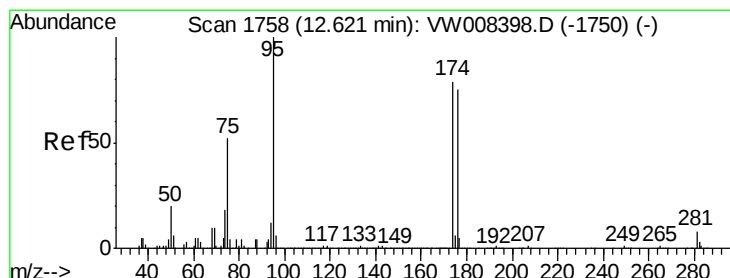
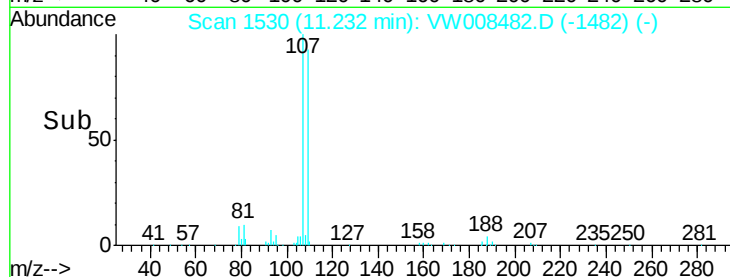
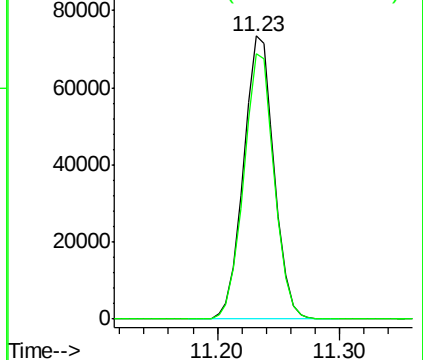
Manual Integrations
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2/4/2019 4:32:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 31.745 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

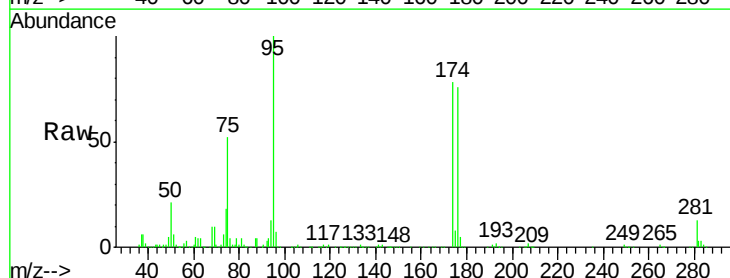
Tgt Ion: 95 Resp: 118522

Ion Ratio Lower Upper

95 100

174 83.1 0.0 157.6

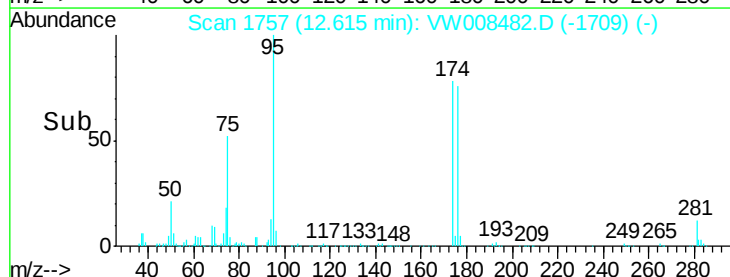
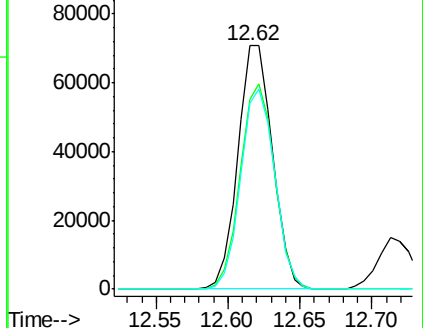
176 80.5 0.0 151.8

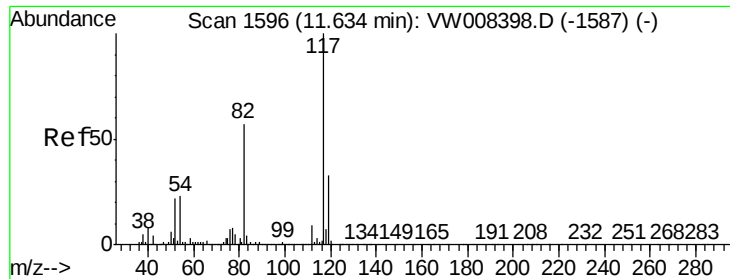


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





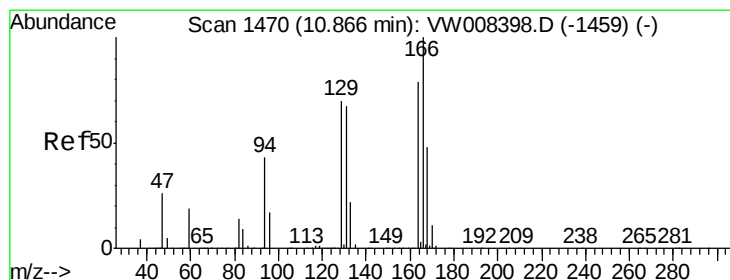
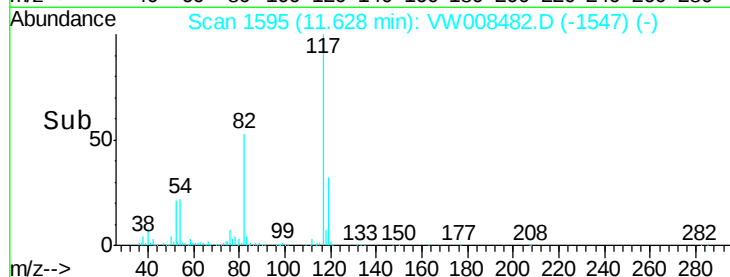
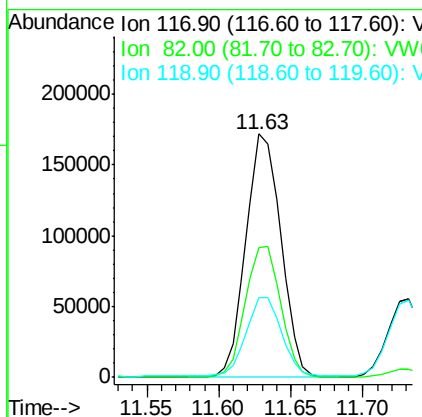
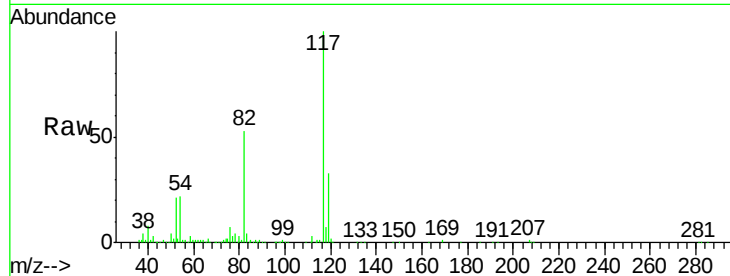
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	53.1	45.4	68.0
119	32.2	26.2	39.4

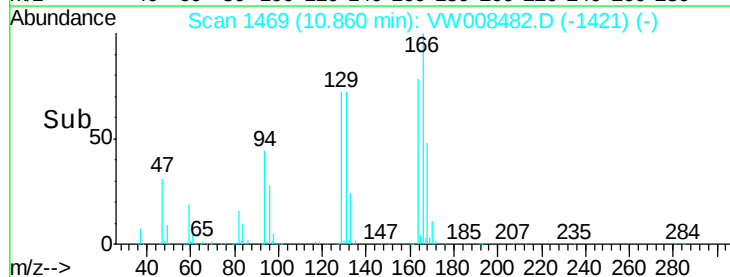
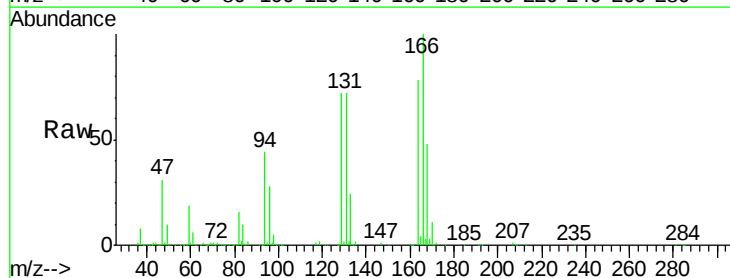
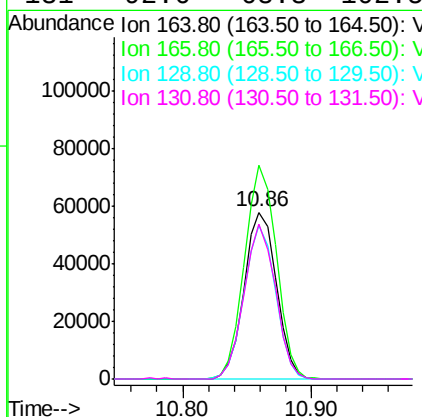
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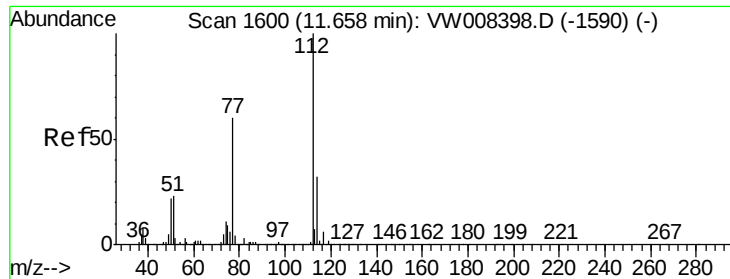
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#64
Tetrachloroethene
Concen: 50.699 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	128.1	101.4	152.0
129	92.0	71.0	106.6
131	92.6	68.3	102.5





#65

Chlorobenzene

Concen: 54.289 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion:112 Resp: 321906

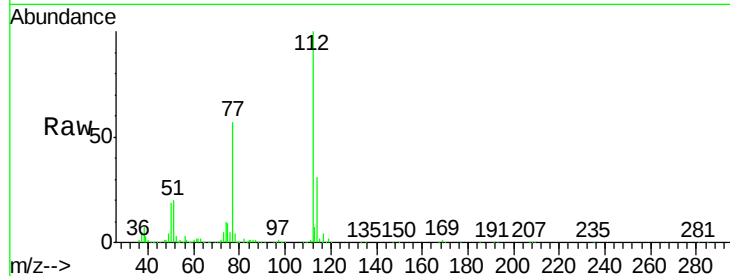
Ion Ratio Lower Upper

112 100

114 31.5 25.4 38.2

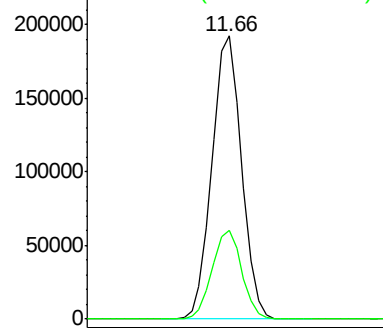
Manual Integrations
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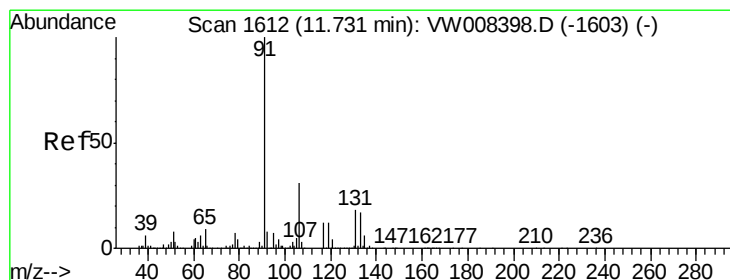
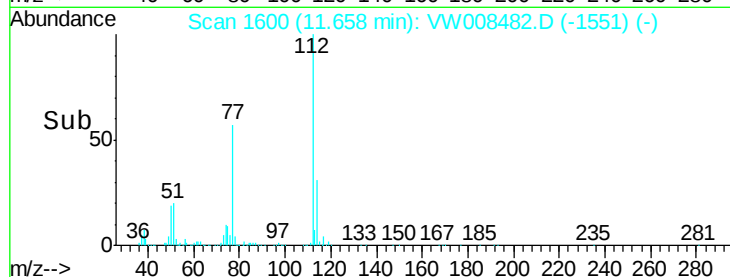


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 68.213 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

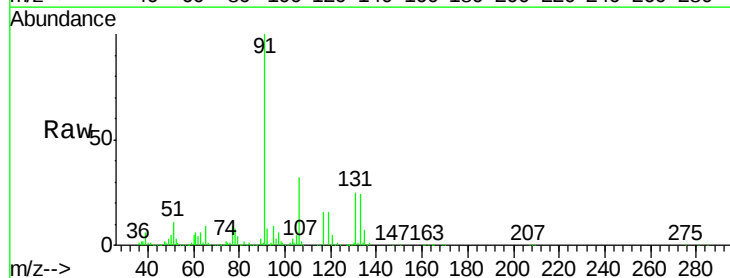
Tgt Ion:131 Resp: 144713

Ion Ratio Lower Upper

131 100

133 94.9 47.0 141.2

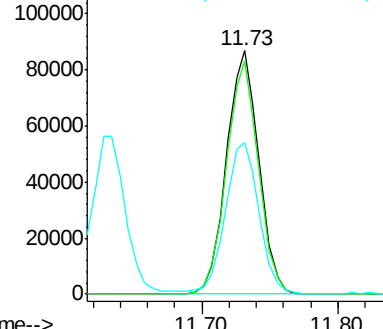
119 64.3 32.1 96.3



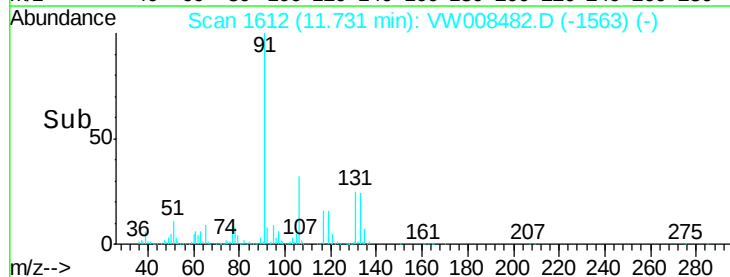
Abundance Ion 130.80 (130.50 to 131.50): V

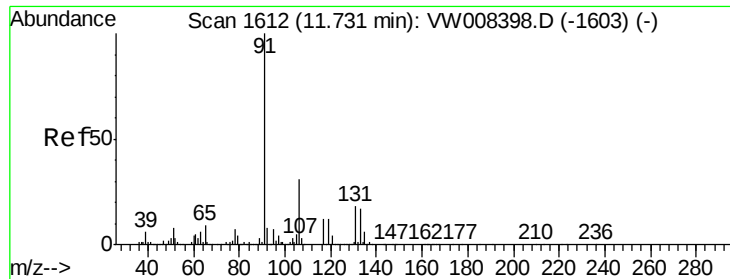
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





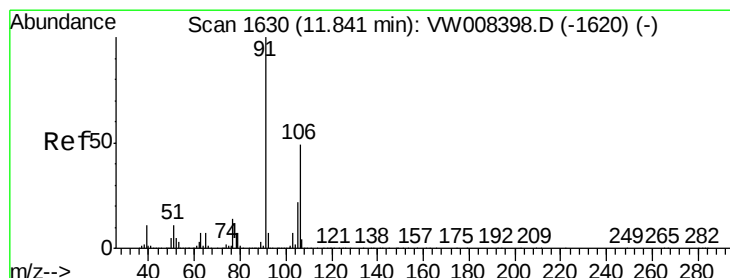
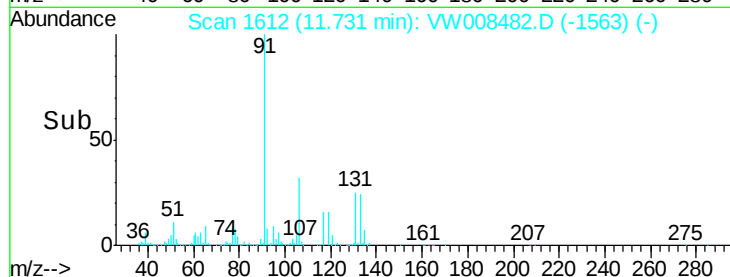
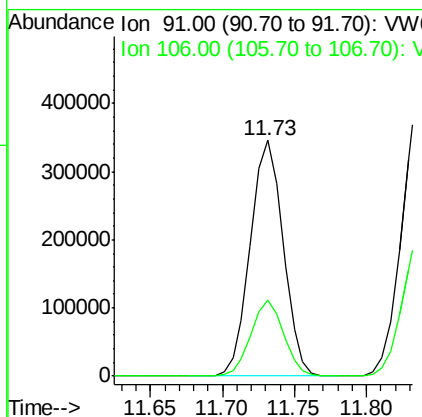
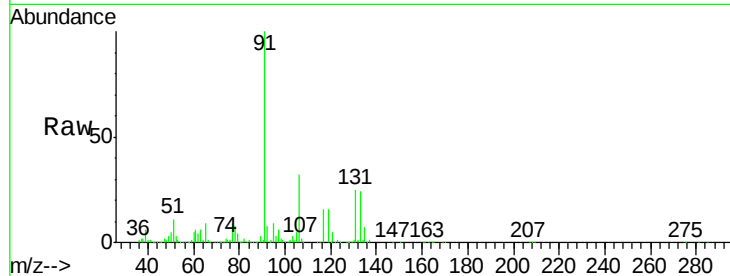
#67
Ethyl Benzene
Concen: 50.261 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion: 91 Resp: 547813
Ion Ratio Lower Upper
91 100
106 32.1 24.7 37.1

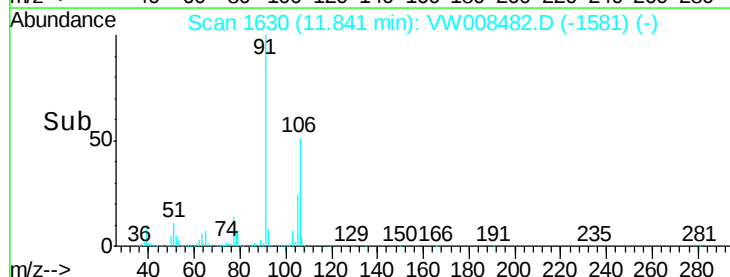
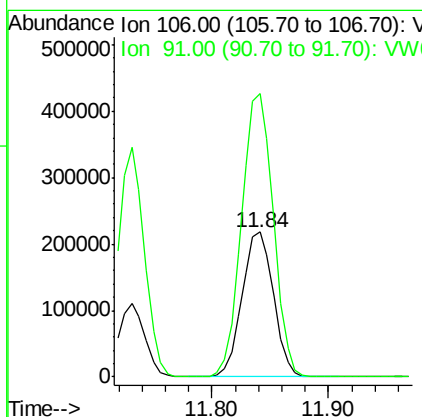
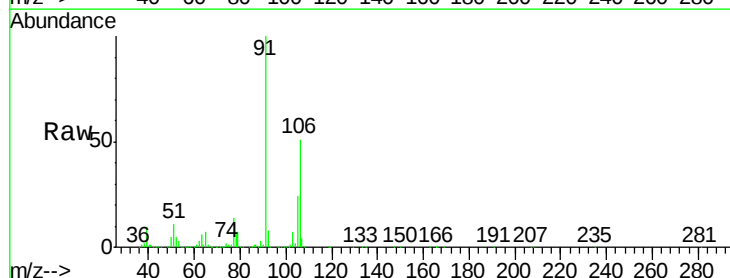
Manual Integrations
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#68
m/p-Xylenes
Concen: 96.960 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion: 106 Resp: 410036
Ion Ratio Lower Upper
106 100
91 197.8 162.9 244.3





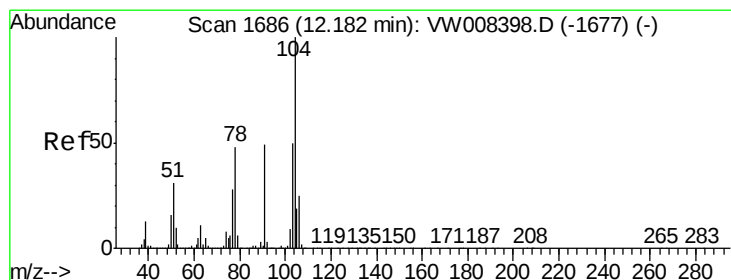
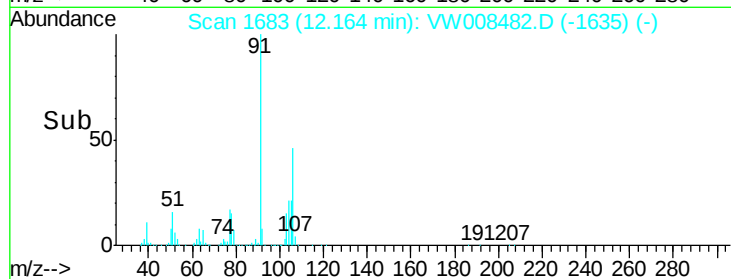
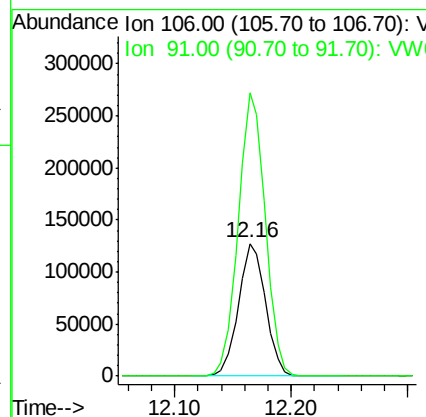
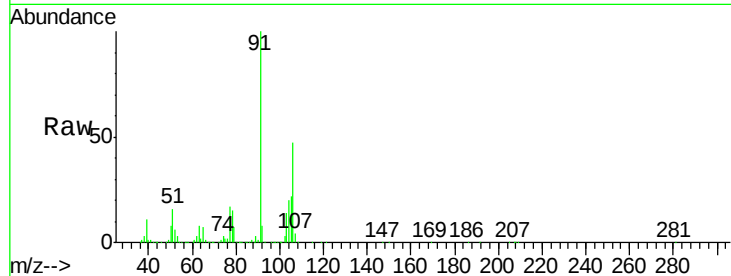
#69
o-Xylene
Concen: 51.084 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
106	100	205262		
91	213.6	107.5	322.4	

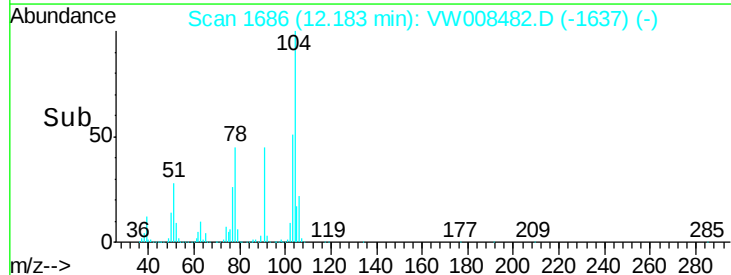
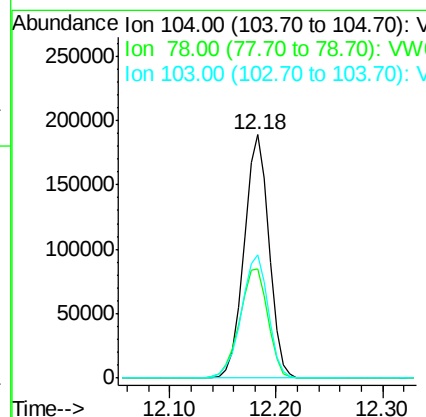
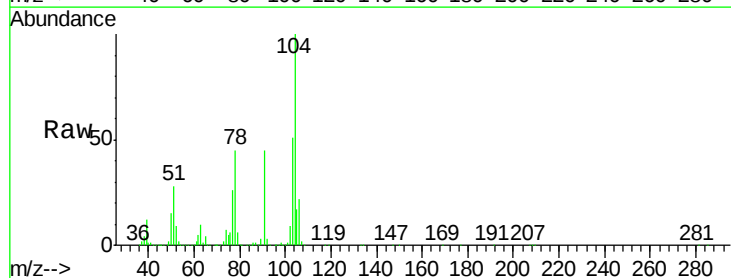
Manual Integrations
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#70
Styrene
Concen: 46.695 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	309920		
78	50.9	42.4	63.6	
103	54.8	43.4	65.0	





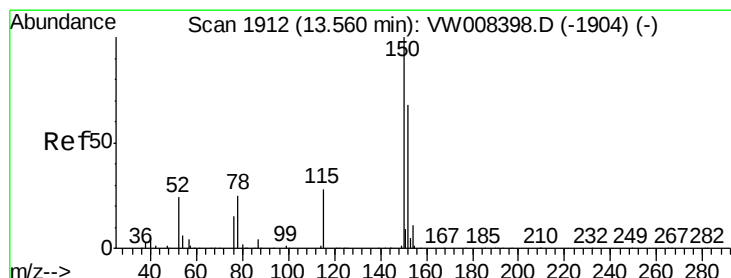
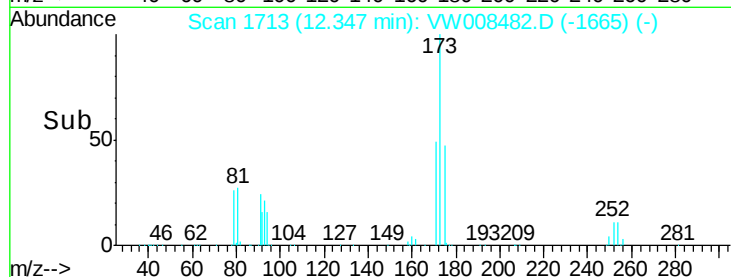
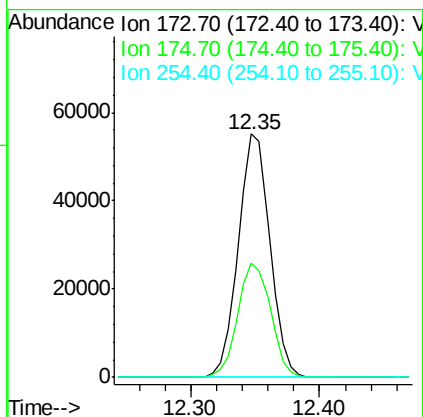
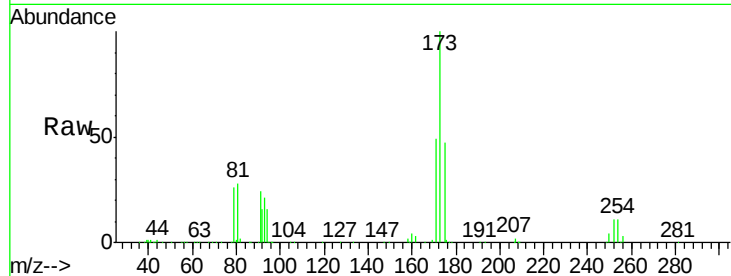
#71
Bromoform
Concen: 78.236 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.4
254	0.0	0.2	0.2

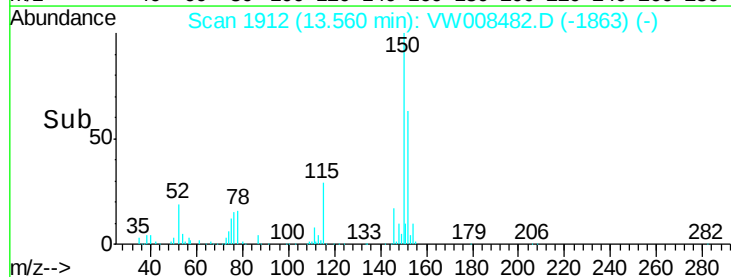
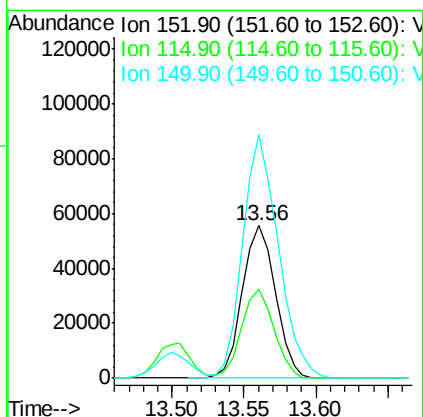
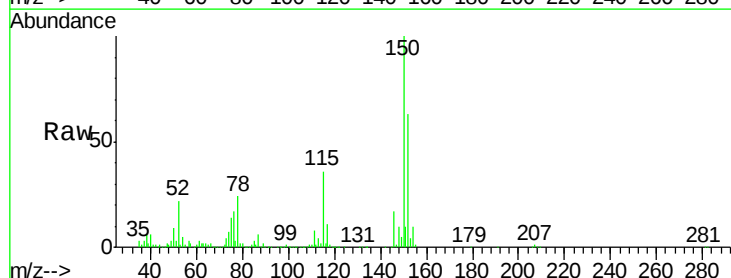
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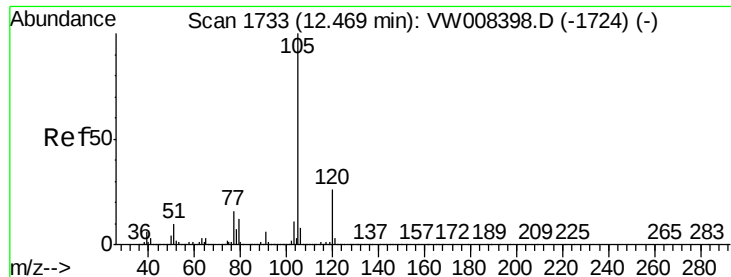
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	29.9	89.7
150	171.6	0.0	351.4





#73

Isopropylbenzene

Concen: 68.718 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 105 Resp: 453964

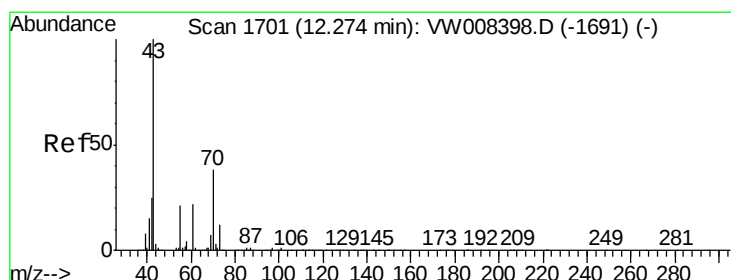
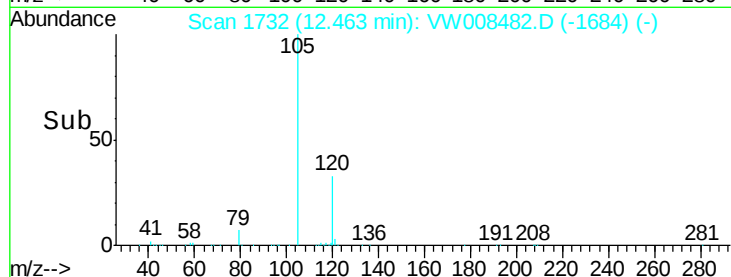
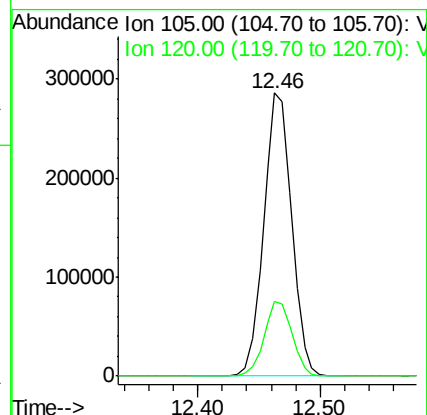
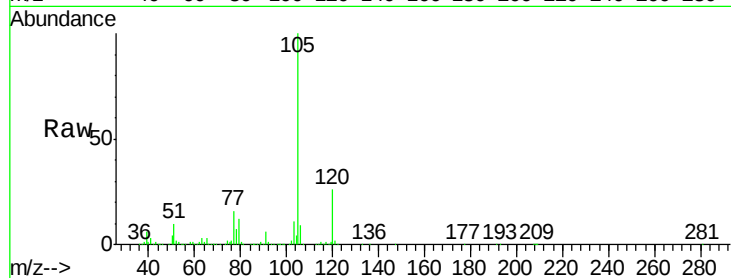
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

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2/4/2019 4:32:35 PM



#74

N-ethyl acetate

Concen: 2.455 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion: 43 Resp: 4178

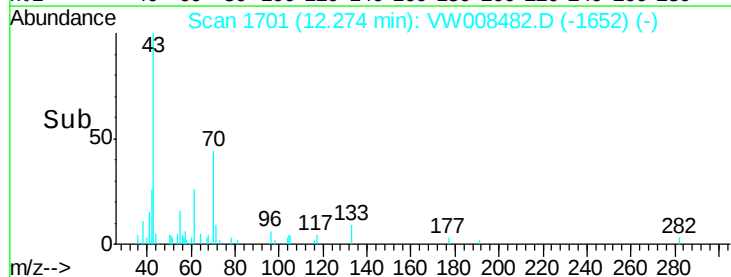
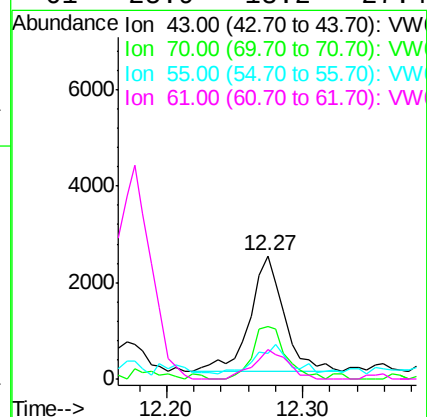
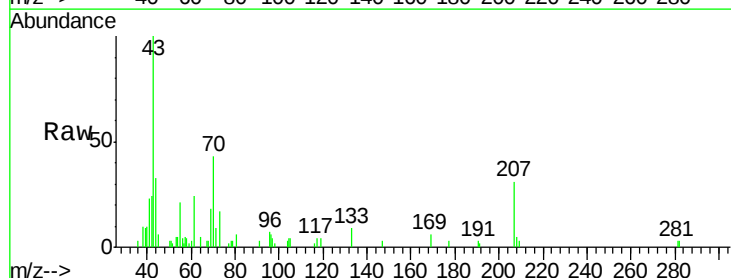
Ion Ratio Lower Upper

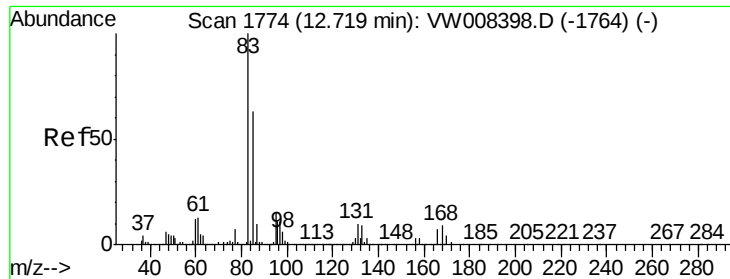
43 100

70 44.4 31.0 46.6

55 25.8 17.4 26.2

61 25.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 143.010 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

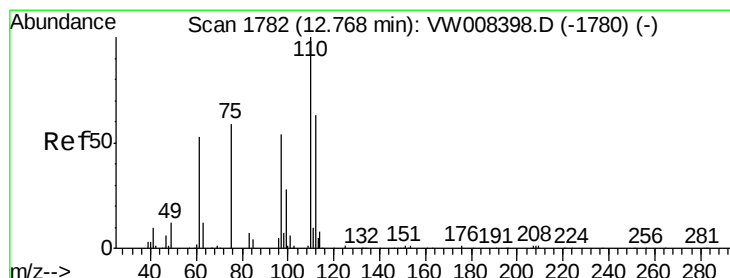
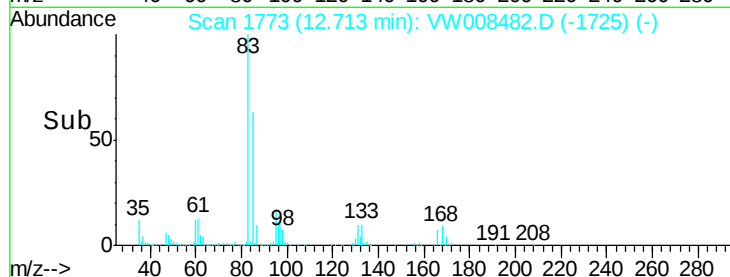
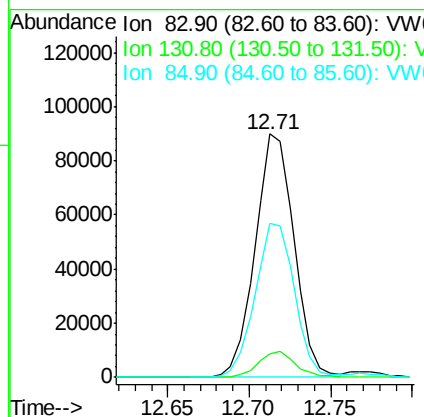
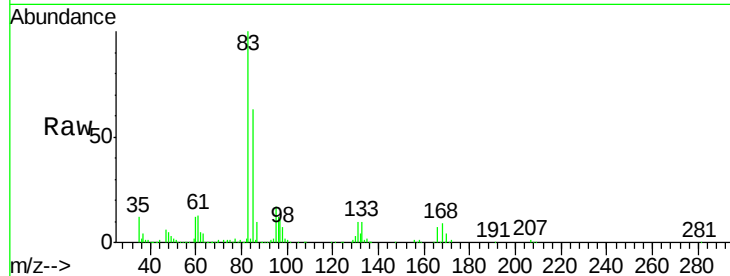
ClientSampleId :

A0C17-SS1MS

Tot Ion:	83	Resp:	149573
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	63.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 142.778 ug/l m

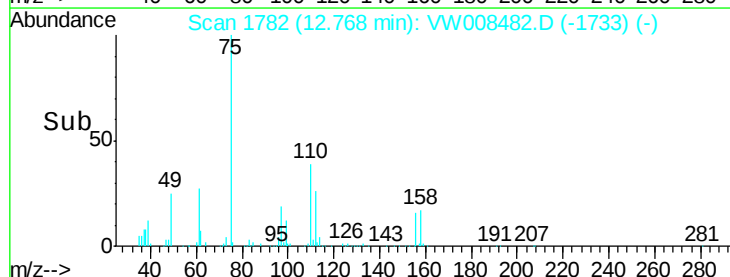
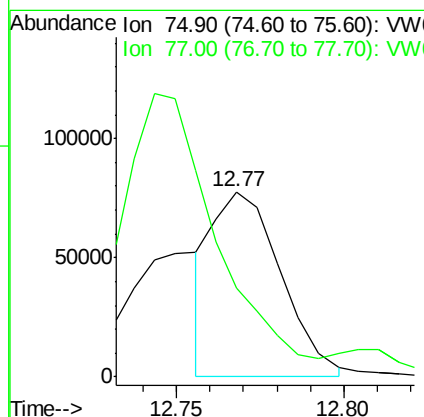
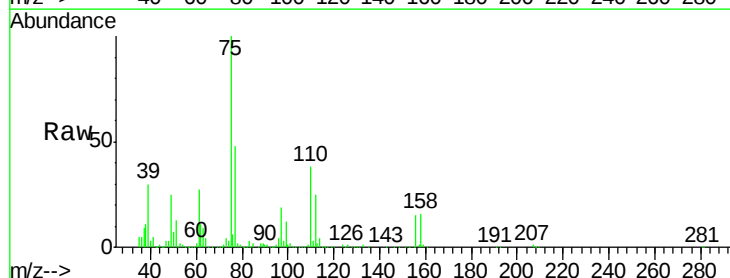
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	75	Resp:	109999
Ion Ratio	Lower	Upper	
75	100		
77	0.0	180.7	542.1#





#77

Bromobenzene

Concen: 80.780 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

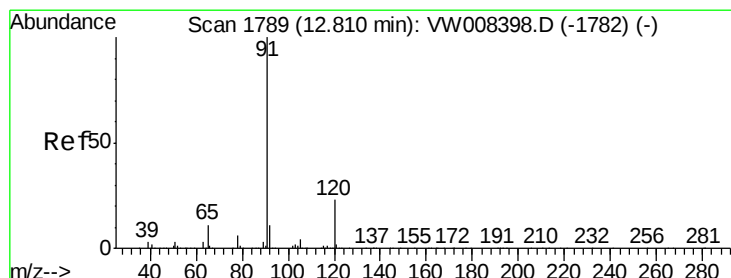
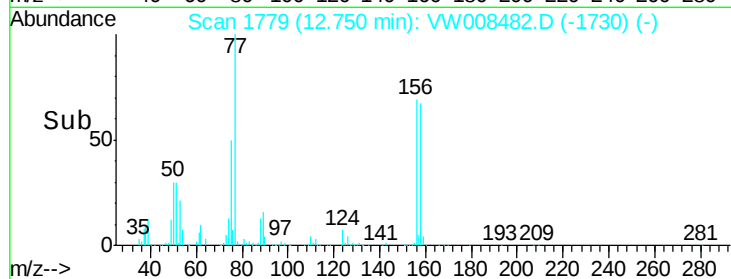
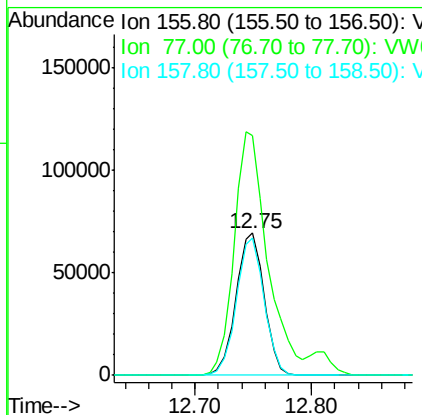
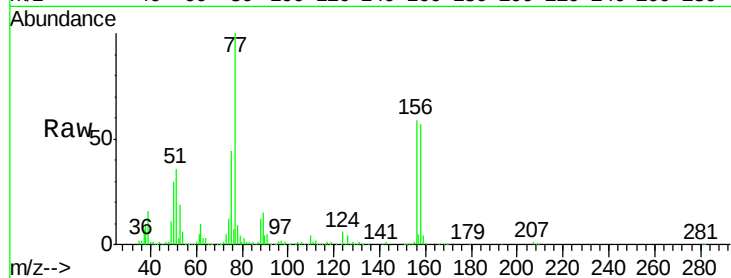
ClientSampleId :

A0C17-SS1MS

Tot Ion:	156	Resp:	116544
Ion Ratio	Lower	Upper	
156	100		
77	203.4	96.9	290.7
158	95.7	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 55.410 ug/l

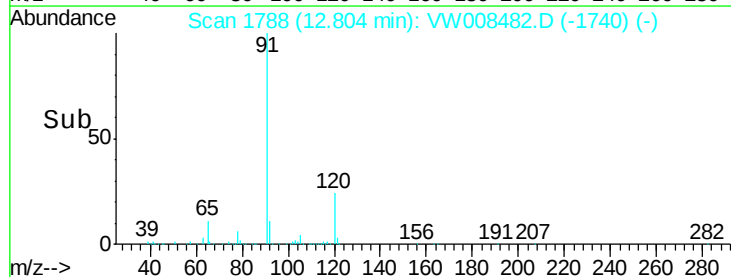
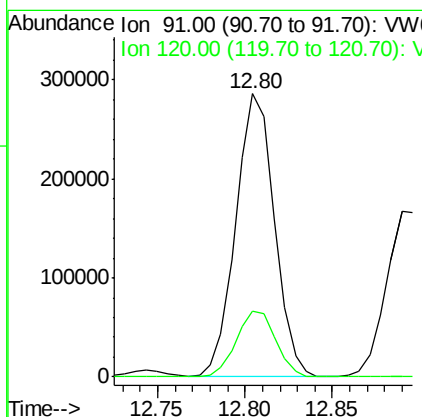
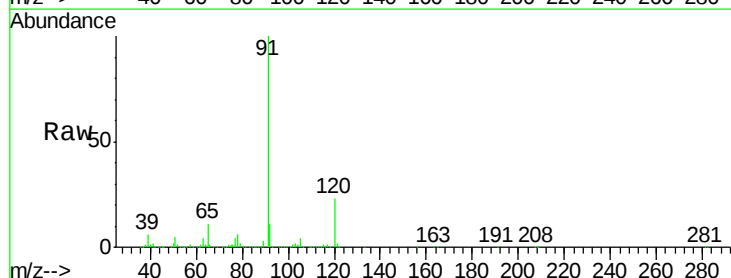
RT: 12.80 min Scan# 1788

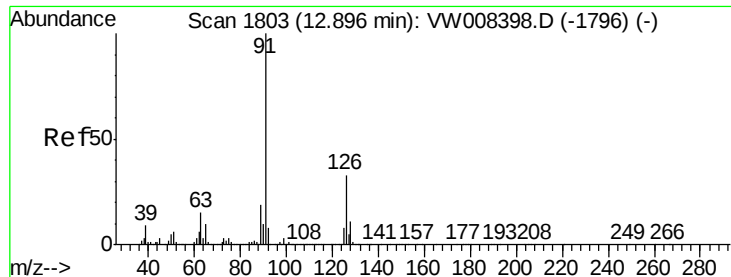
Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion:	91	Resp:	439650
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.4	34.1





#79

2-Chlorotoluene

Concen: 61.781 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

A0C17-SS1MS

Tot Ion: 91 Resp: 276616

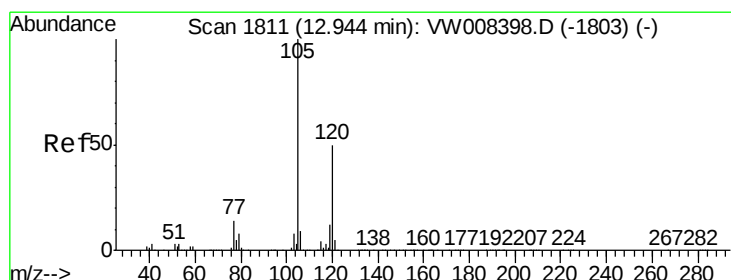
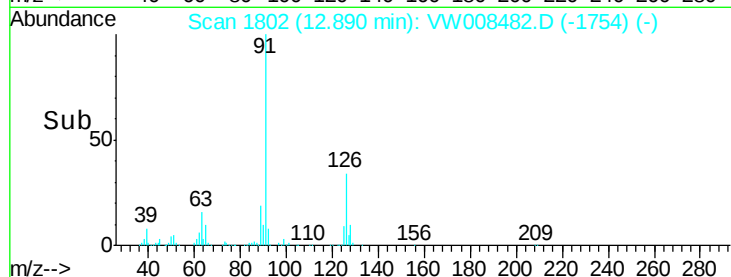
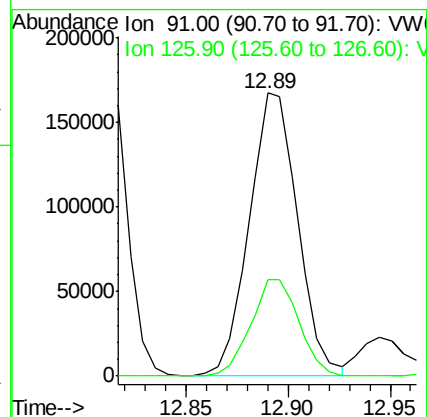
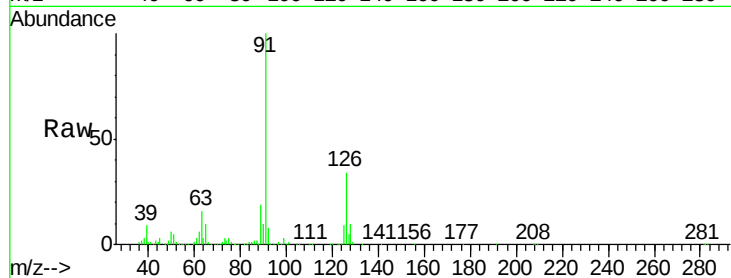
Ion Ratio Lower Upper

91 100

126 33.9 16.5 49.5

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#80

1,3,5-Trimethylbenzene

Concen: 59.300 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008482.D

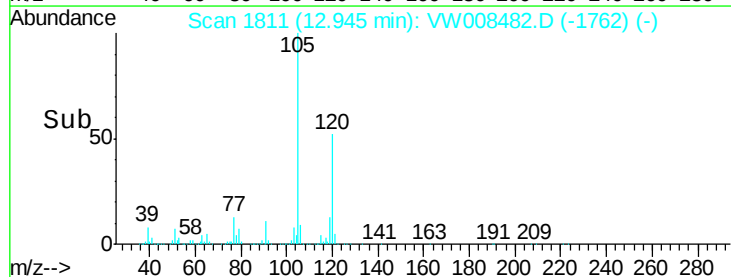
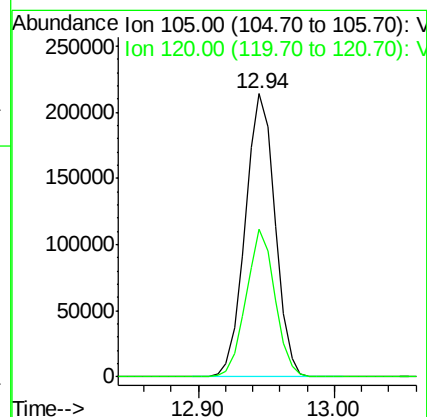
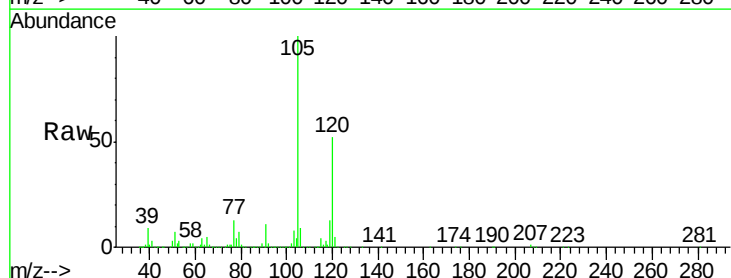
Acq: 01 Feb 2019 15:30

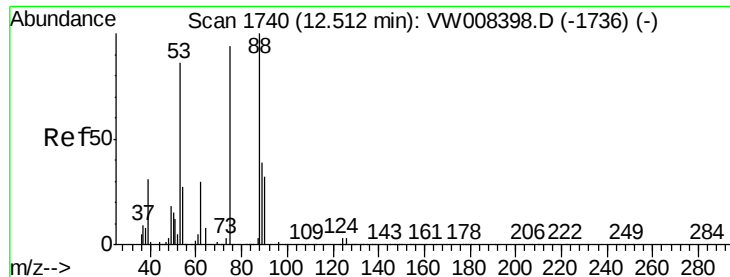
Tgt Ion: 105 Resp: 327436

Ion Ratio Lower Upper

105 100

120 50.6 24.6 73.8





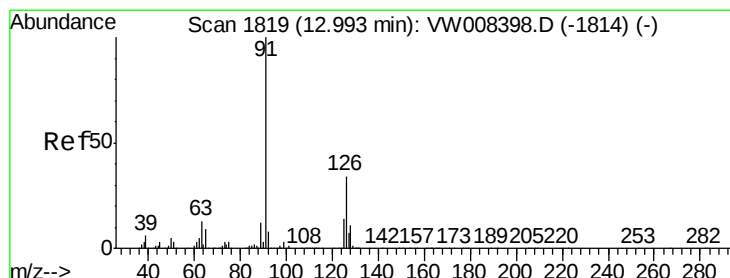
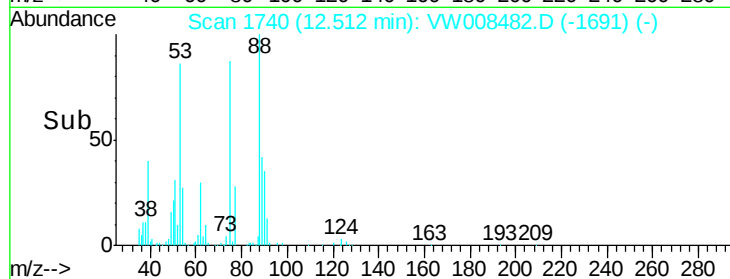
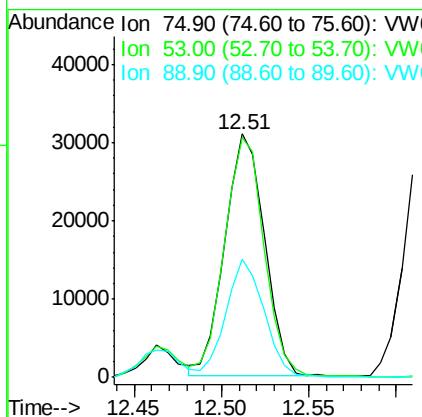
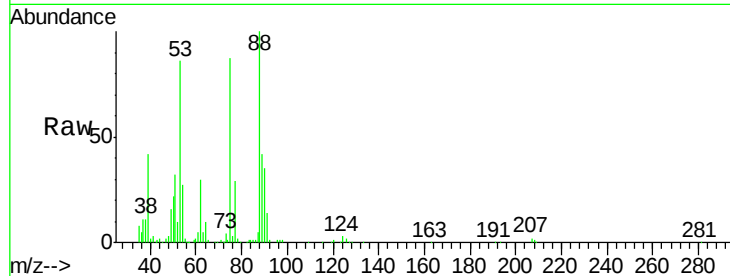
#81
trans-1,4-Dichloro-2-butene
Concen: 124.995 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	76.0	114.0
89	47.0	35.4	53.0

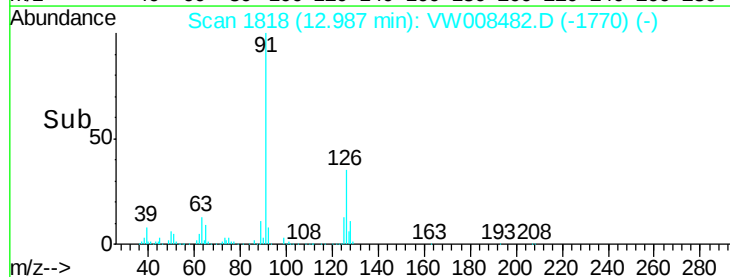
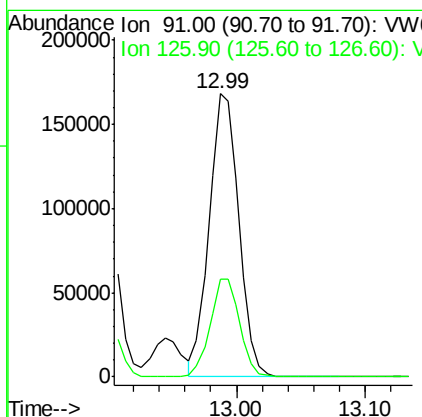
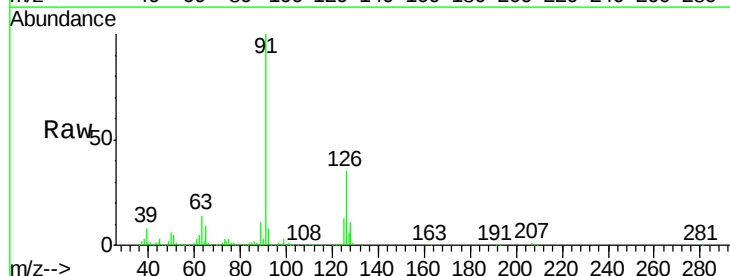
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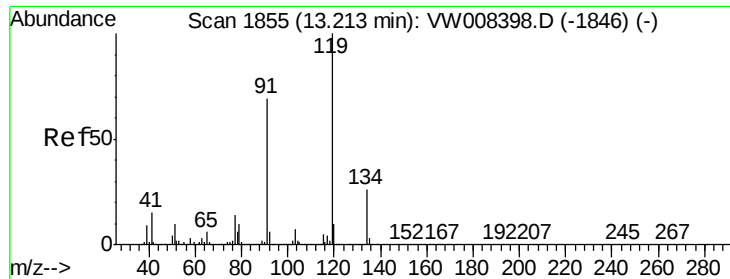
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#82
4-Chlorotoluene
Concen: 56.801 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.4	49.2





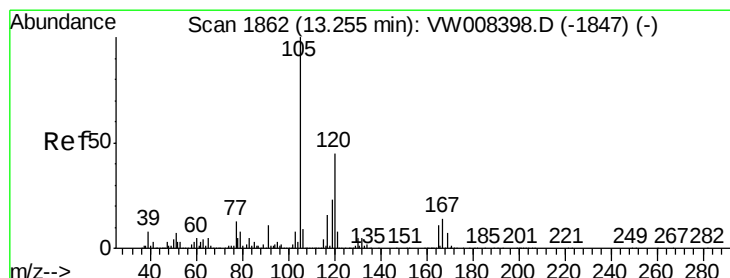
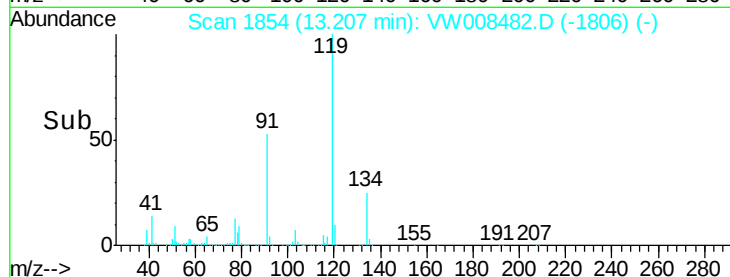
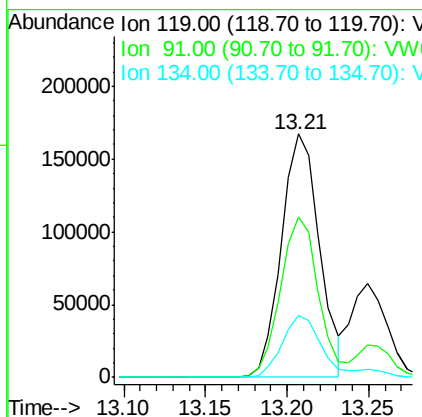
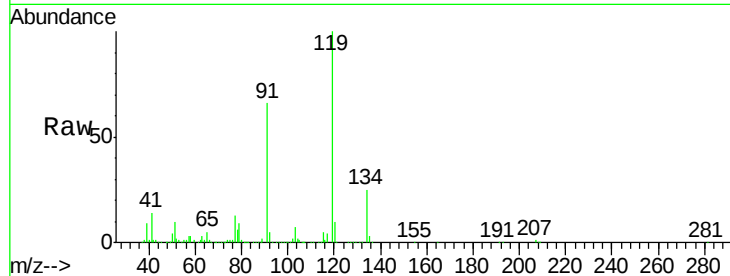
#83
tert-Butylbenzene
Concen: 55.035 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.8	101.4
134	25.7	13.5	40.4

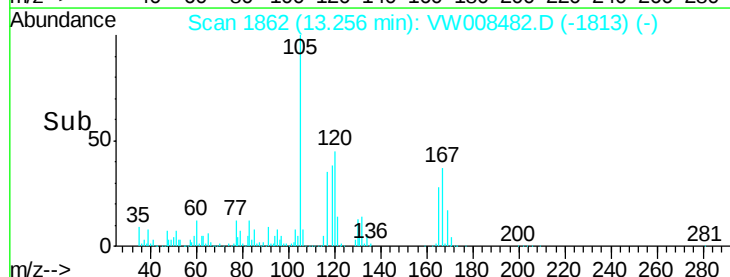
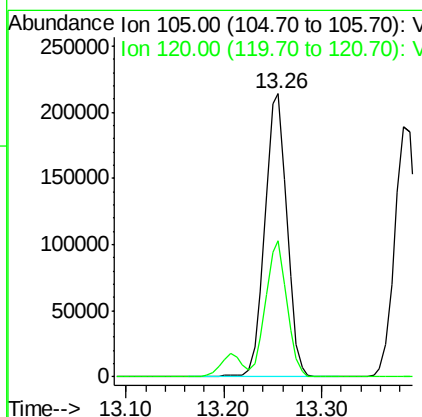
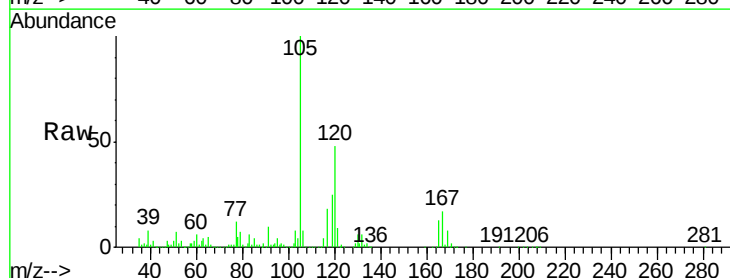
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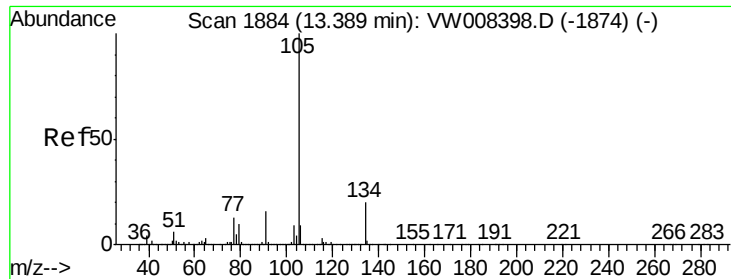
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2/4/2019 4:32:35 PM



#84
1,2,4-Trimethylbenzene
Concen: 59.694 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





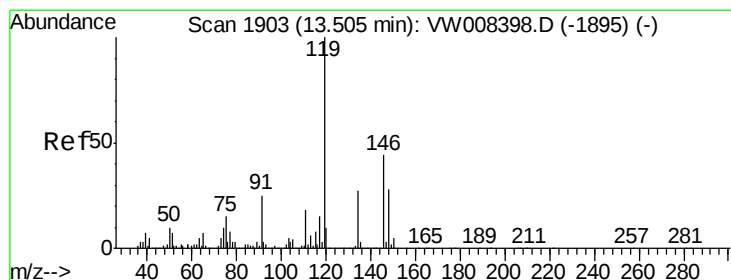
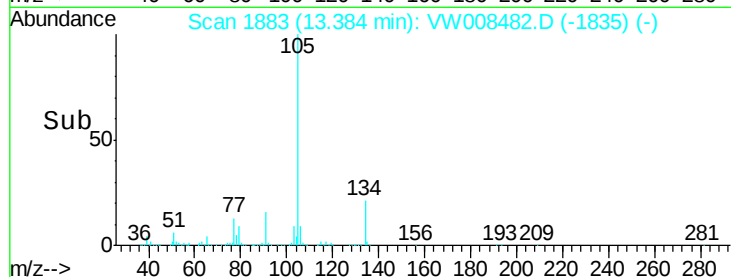
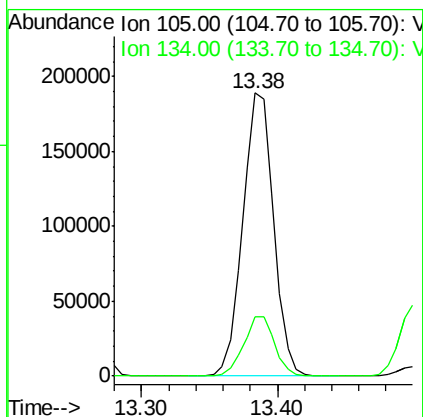
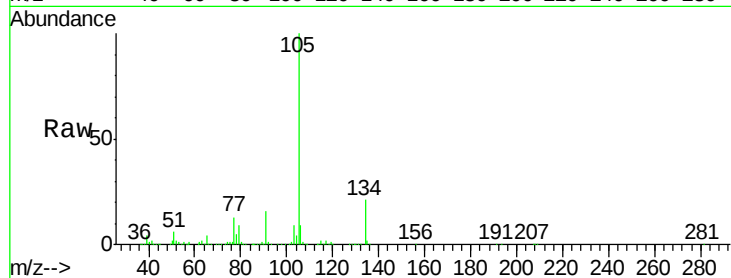
#85
 sec-Butylbenzene
 Concen: 42.632 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.2	30.6

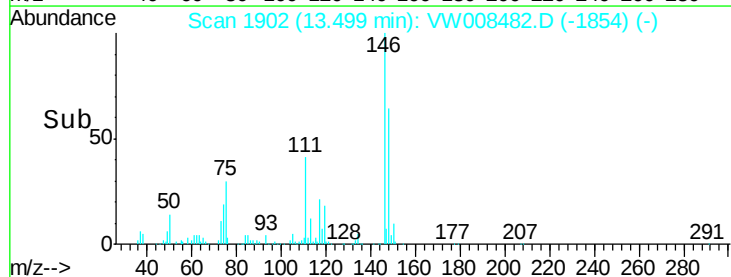
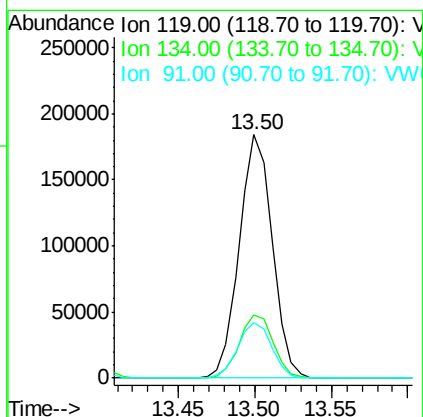
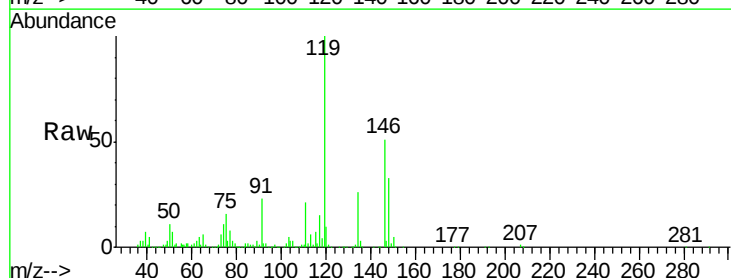
Manual Integrations
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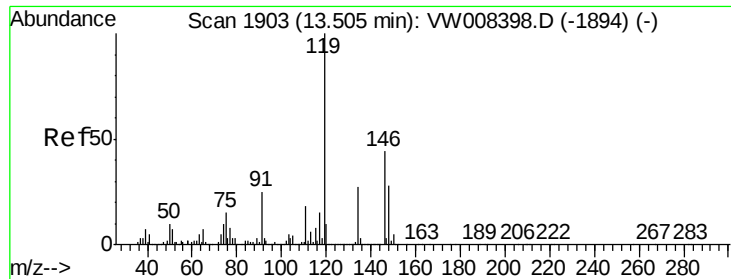
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#86
 p-Isopropyltoluene
 Concen: 44.780 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008482.D
 Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	23.5	12.6	37.6





#87

1,3-Dichlorobenzene

Concen: 51.168 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008482.D

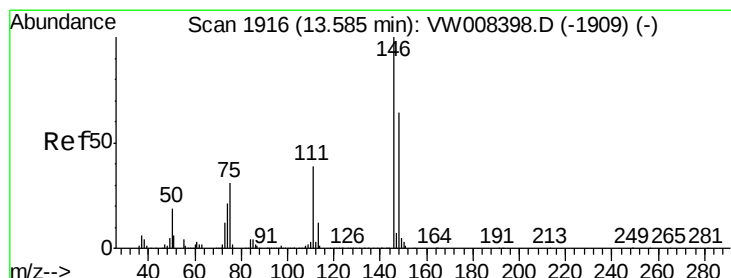
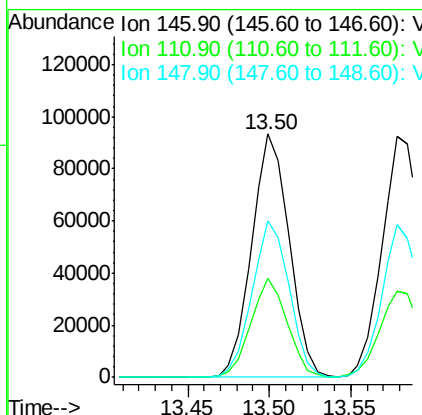
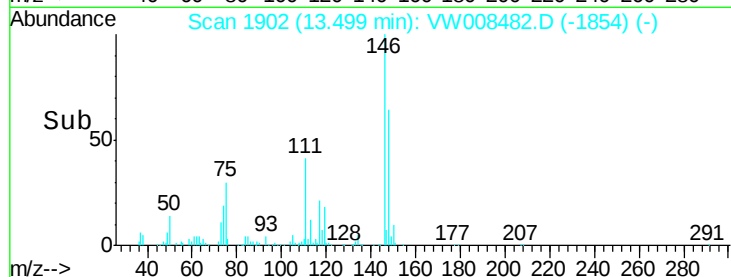
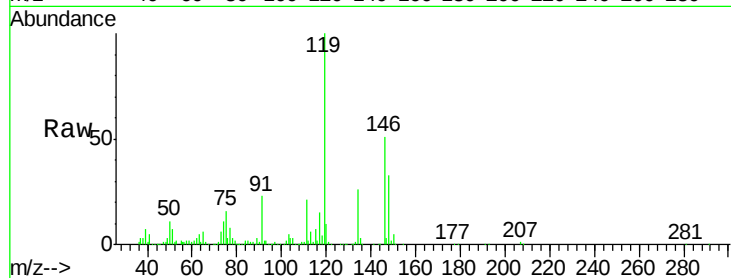
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149090		
111	39.6	20.3	60.9	
148	63.7	31.9	95.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.515 ug/l

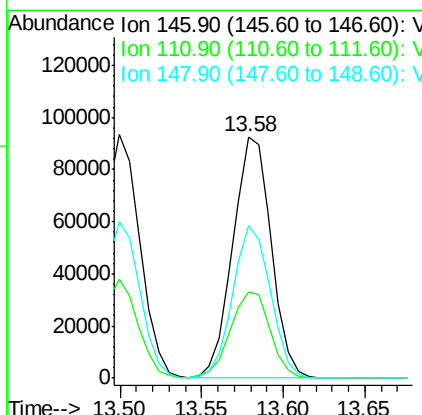
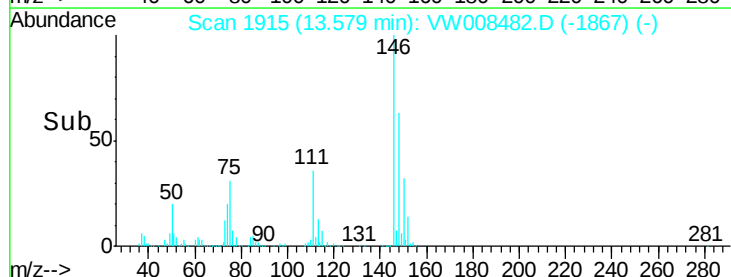
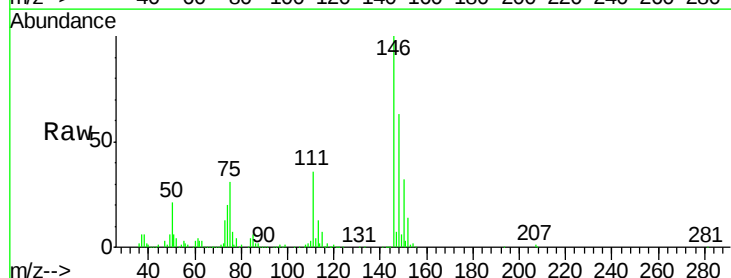
RT: 13.58 min Scan# 1915

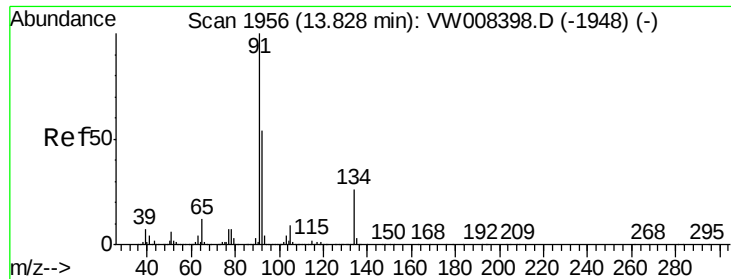
Delta R.T. -0.01 min

Lab File: VW008482.D

Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	152065		
111	36.8	20.0	60.0	
148	62.3	32.0	96.2	





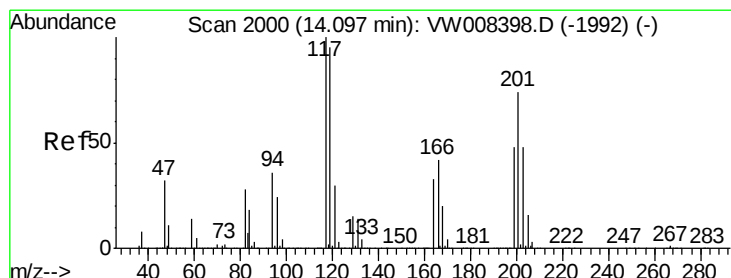
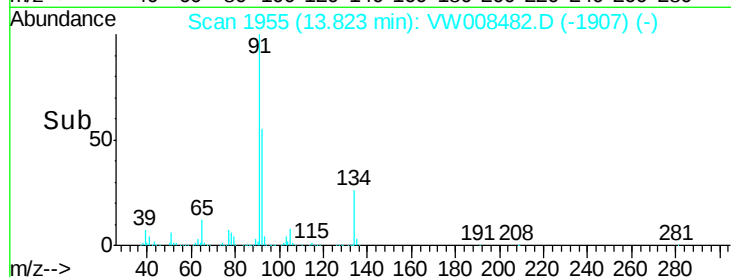
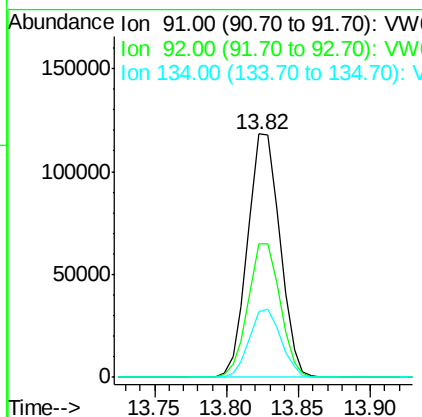
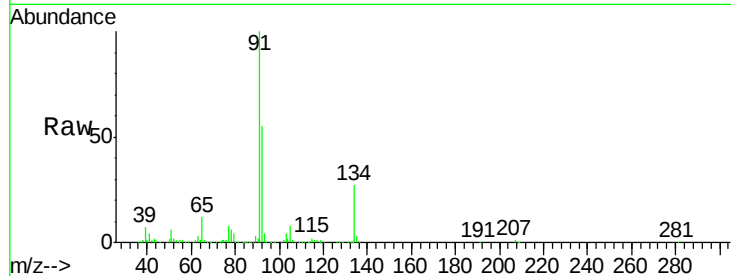
#89
n-Butylbenzene
Concen: 30.304 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.4	82.2
134	27.5	13.0	39.0

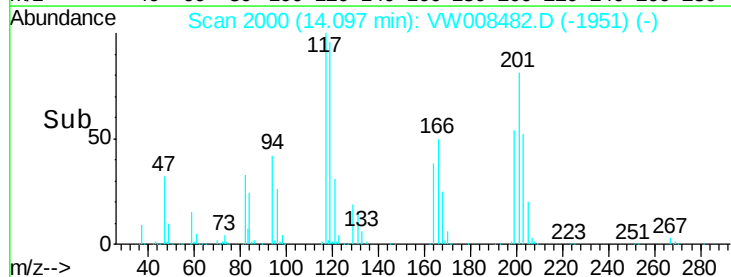
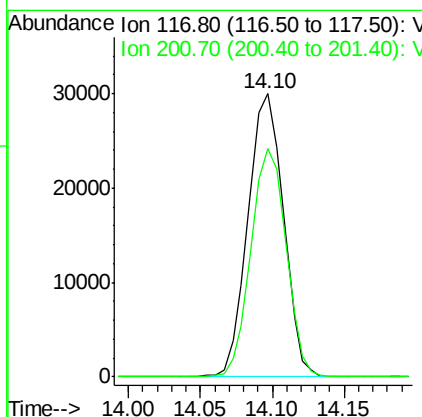
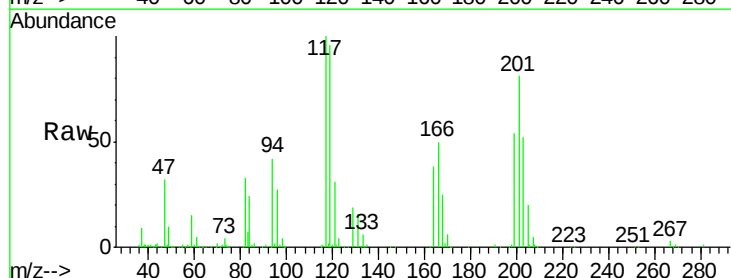
Manual Integrations
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#90
Hexachloroethane
Concen: 42.596 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.1	117.5





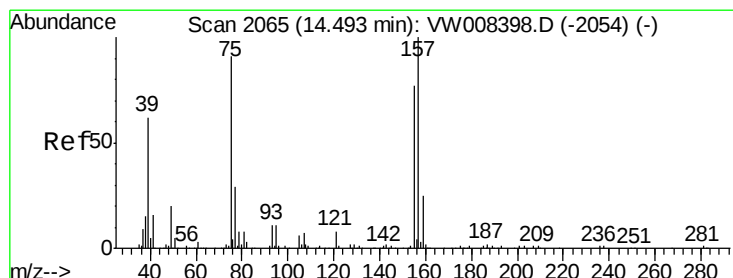
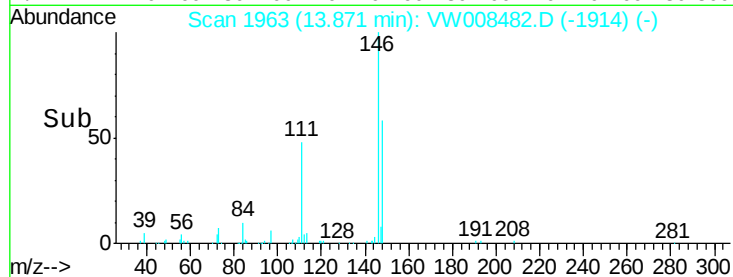
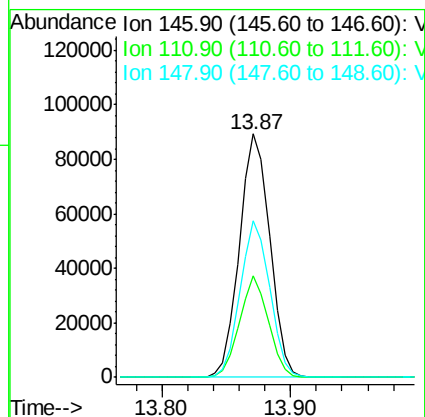
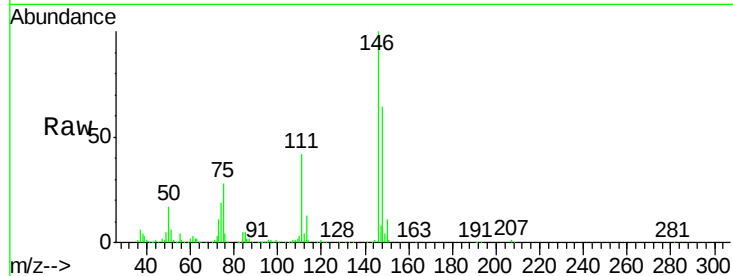
#91
1,2-Dichlorobenzene
Concen: 56.429 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	145481		
111	39.9	21.1	63.3	
148	62.8	31.9	95.5	

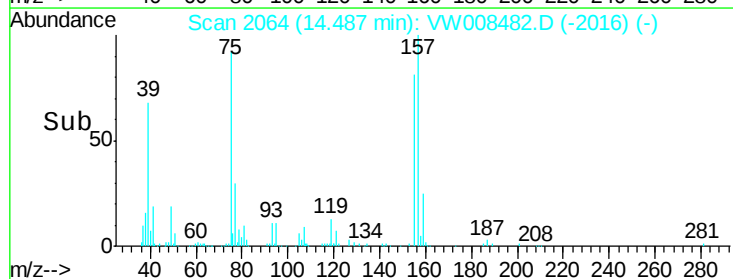
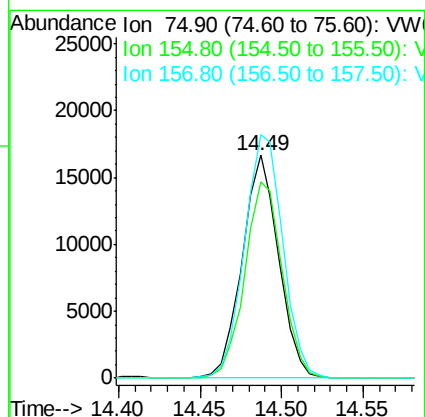
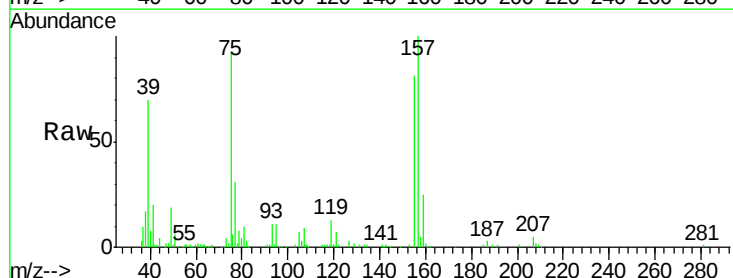
Manual Integrations
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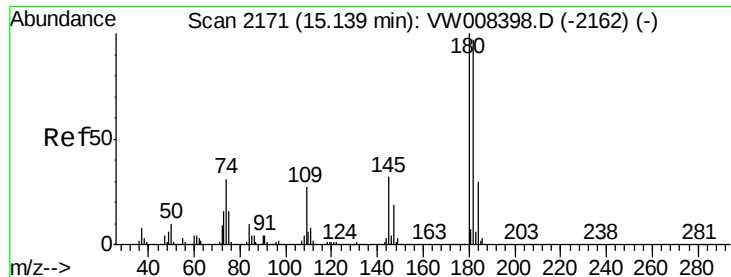
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#92
1,2-Dibromo-3-Chloropropane
Concen: 130.639 ug/l
RT: 14.49 min Scan# 2064
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25925		
155	90.6	42.7	128.1	
157	115.7	55.5	166.3	





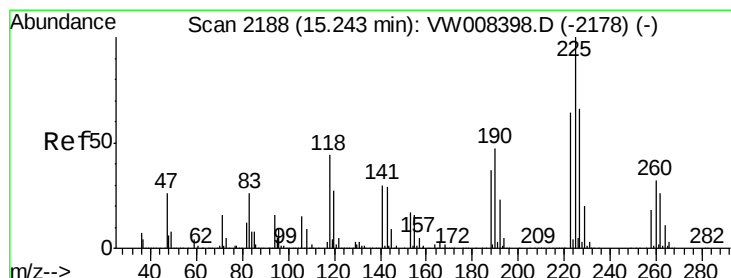
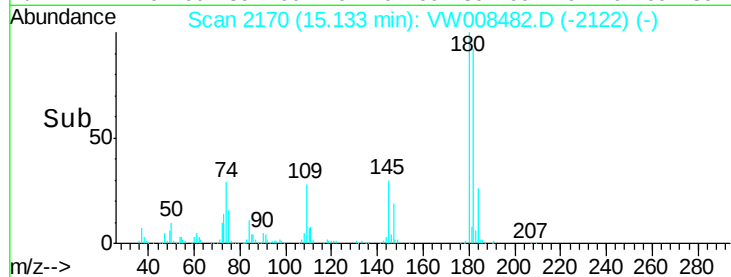
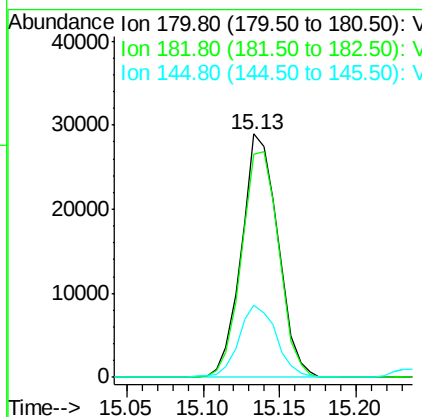
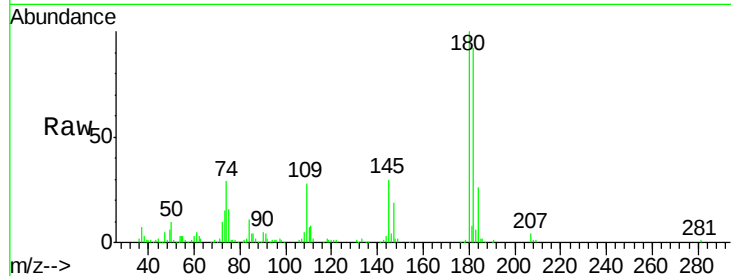
#93
1,2,4-Trichlorobenzene
Concen: 26.073 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	47969		
182	94.8	47.9	143.7	
145	30.5	15.5	46.5	

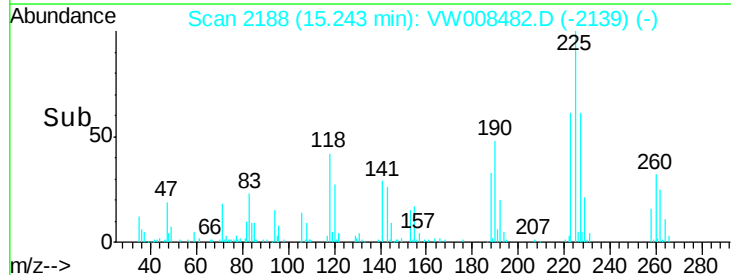
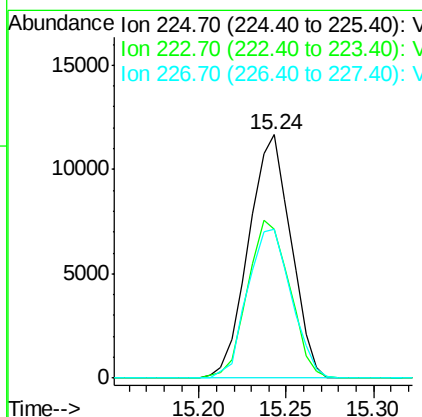
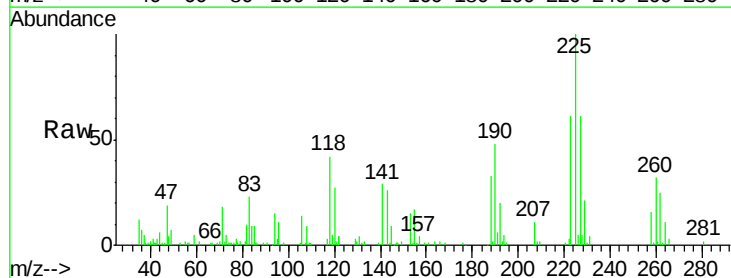
Manual Integrations
APPROVED

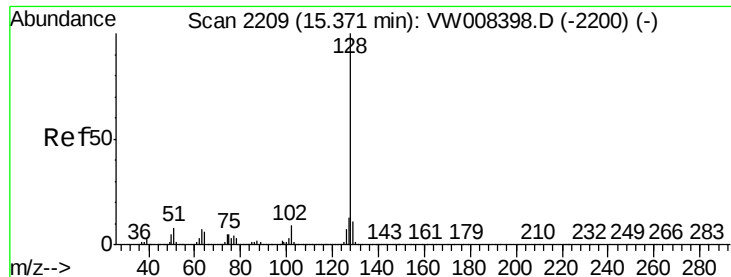
MMDadoda
2/4/2019 4:32:35 PM



#94
Hexachlorobutadiene
Concen: 17.702 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	19627		
223	64.5	31.7	95.1	
227	63.4	32.1	96.3	





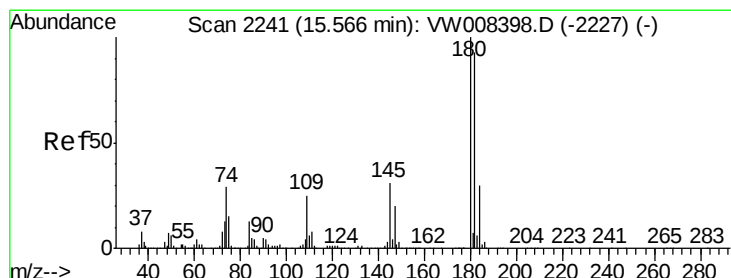
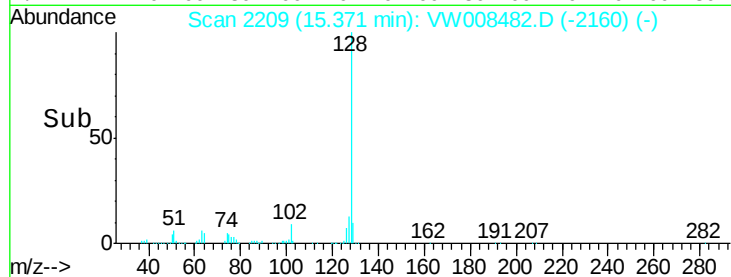
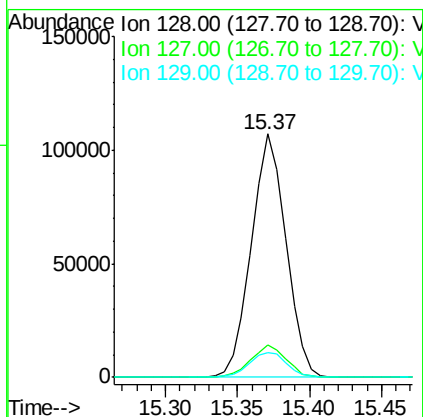
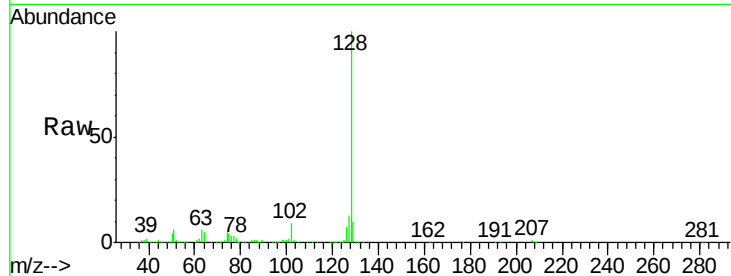
#95
Naphthalene
Concen: 55.279 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
A0C17-SS1MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178574		
127	13.4	10.6	15.8	
129	11.2	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/4/2019 4:32:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 26.543 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008482.D
Acq: 01 Feb 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41424		
182	96.1	47.0	141.2	
145	33.9	15.9	47.6	

