

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008402.D
 Acq On : 24 Jan 2019 17:51
 Operator : SY/VA
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 1/25/2019 1:43:08 PM

Quant Time: Jan 25 11:01:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:41:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	518878	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	818434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	730885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	367537	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	25873	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
35) Dibromofluoromethane	7.88	113	25042	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
50) Toluene-d8	10.32	98	98631	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.62	95	38198	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	10584	3.237	ug/l	94
3) Chloromethane	2.21	50	21469	4.480	ug/l	95
4) Vinyl Chloride	2.36	62	26449	4.319	ug/l	97
5) Bromomethane	2.79	94	18162	3.914	ug/l #	79
6) Chloroethane	2.93	64	16524	4.123	ug/l	96
7) Trichlorofluoromethane	3.25	101	16614	3.695	ug/l	92
8) Diethyl Ether	3.68	74	12986	4.165	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22911	4.377	ug/l	96
10) Methyl Iodide	4.26	142	34902	4.134	ug/l	95
11) Tert butyl alcohol	5.17	59	11978	32.959	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	22777	4.278	ug/l	95
13) Acrolein	3.89	56	5776	17.528	ug/l	95
14) Allyl chloride	4.66	41	41019	4.609	ug/l	92
15) Acrylonitrile	5.37	53	25525	21.312	ug/l	99
16) Acetone	4.12	43	32446	25.884	ug/l	99
17) Carbon Disulfide	4.38	76	72815	4.495	ug/l	97
18) Methyl Acetate	4.68	43	12978	3.876	ug/l #	87
19) Methyl tert-butyl Ether	5.42	73	37759	4.633	ug/l	98
20) Methylene Chloride	4.91	84	29681	4.459	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	25580	4.278	ug/l	83
22) Diisopropyl ether	6.32	45	78281	4.505	ug/l	96
23) Vinyl Acetate	6.26	43	225053	24.229	ug/l	99
24) 1,1-Dichloroethane	6.21	63	44495	4.205	ug/l	97
25) 2-Butanone	7.17	43	37106	23.112	ug/l	99
26) 2,2-Dichloropropane	7.17	77	34376	5.091	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	28221	4.356	ug/l	99
28) Bromochloromethane	7.51	49	23093	5.298	ug/l	96
29) Tetrahydrofuran	7.53	42	22320	22.300	ug/l	90
30) Chloroform	7.67	83	43948	4.198	ug/l	98
31) Cyclohexane	7.95	56	53635	5.320	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	40054	4.559	ug/l	99
36) 1,1-Dichloropropene	8.08	75	34887	4.237	ug/l	95
37) Ethyl Acetate	7.25	43	16412	4.833	ug/l #	96
38) Carbon Tetrachloride	8.07	117	37322	4.590	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	47939	4.894	ug/l	96
40) Benzene	8.32	78	99742	4.276	ug/l	98
41) Methacrylonitrile	7.48	41	8888	4.496	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	29414	4.510	ug/l	99
43) Isopropyl Acetate	8.43	43	32225	5.024	ug/l #	95
44) Trichloroethene	9.09	130	28458	4.453	ug/l	94
45) 1,2-Dichloropropane	9.37	63	24739	4.270	ug/l	94
46) Dibromomethane	9.46	93	13162	4.359	ug/l	96
47) Bromodichloromethane	9.64	83	33873	4.548	ug/l	100
48) Methyl methacrylate	9.44	41	15002	4.968	ug/l	97
49) 1,4-Dioxane	9.45	88	4710	96.892	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	81968	25.238	ug/l	98
52) Toluene	10.39	92	66577	4.510	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	34462	4.636	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	40398	4.610	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	17803	4.251	ug/l	98
56) Ethyl methacrylate	10.65	69	24713	5.024	ug/l	96
57) 1,3-Dichloropropane	10.93	76	32243	4.434	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	65204	27.482	ug/l	99
59) 2-Hexanone	10.97	43	55311	24.306	ug/l	97
60) Dibromochloromethane	11.13	129	22847	4.571	ug/l	100
61) 1,2-Dibromoethane	11.24	107	18001	4.438	ug/l	97
64) Tetrachloroethene	10.87	164	24548	4.790	ug/l	95
65) Chlorobenzene	11.66	112	69201	4.341	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	24512	4.467	ug/l	98
67) Ethyl Benzene	11.73	91	127380	4.602	ug/l	99
68) m/p-Xylenes	11.84	106	99727	9.282	ug/l	98
69) o-Xylene	12.16	106	46749	4.657	ug/l	97
70) Styrene	12.18	104	75916	4.708	ug/l	99
71) Bromoform	12.35	173	13489	4.935	ug/l #	98
73) Isopropylbenzene	12.47	105	129070	4.820	ug/l	99
74) N-amyl acetate	12.27	43	31195	5.436	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	19763	4.339	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	14912m	4.455	ug/l	
77) Bromobenzene	12.75	156	29404	4.571	ug/l	94
78) n-propylbenzene	12.80	91	154956	4.781	ug/l	99
79) 2-Chlorotoluene	12.90	91	87852	4.744	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	107629	4.816	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	7125	5.080	ug/l	95
82) 4-Chlorotoluene	12.99	91	91400	4.723	ug/l	98
83) tert-Butylbenzene	13.21	119	98048	4.985	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	110210	4.841	ug/l	99
85) sec-Butylbenzene	13.39	105	138928	4.920	ug/l	98
86) p-Isopropyltoluene	13.50	119	121747	4.936	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	58684	4.592	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	58661	4.581	ug/l	94
89) n-Butylbenzene	13.83	91	118707	5.017	ug/l	100
90) Hexachloroethane	14.10	117	24198	5.301	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	51578	4.571	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4404	5.913	ug/l	86

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MSVOA_W
ClientSampleId :
VSTDICC005

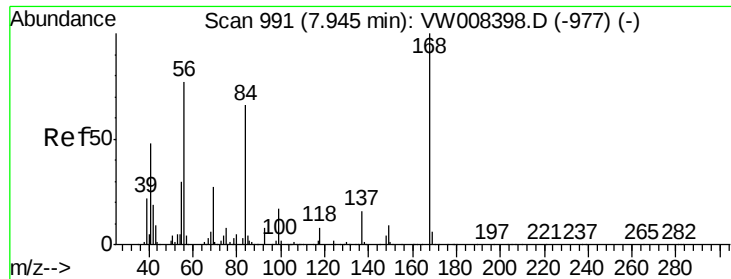
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Quant Time: Jan 25 11:01:43 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 10:41:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	37881	4.959	ug/l	100
94) Hexachlorobutadiene	15.24	225	24388	5.665	ug/l	97
95) Naphthalene	15.37	128	65491	5.131	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	33085	4.973	ug/l	98

(#) = 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: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 518878

Ion Ratio Lower Upper

168 100

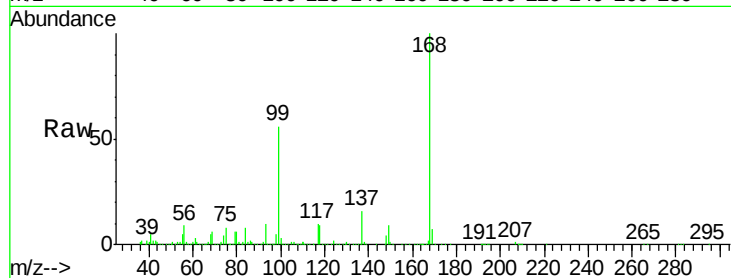
99 56.3 45.5 68.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

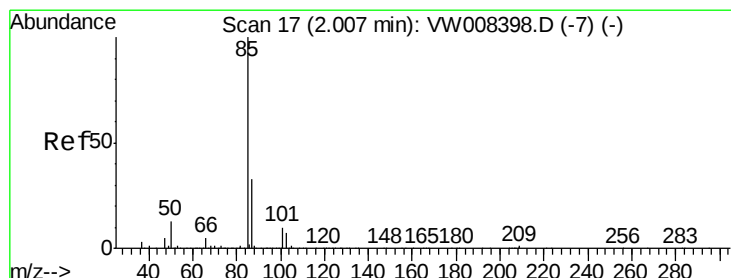
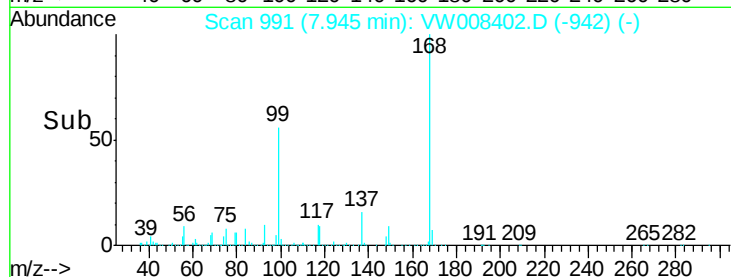
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 3.237 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008402.D

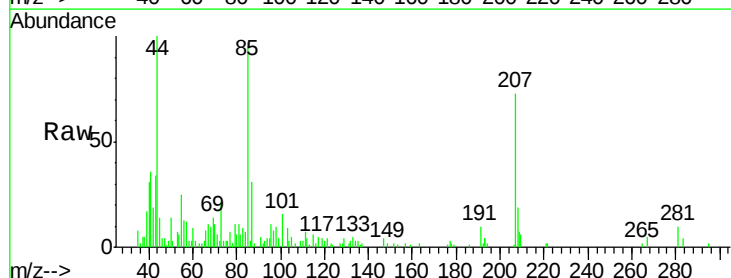
Acq: 24 Jan 2019 17:51

Tgt Ion: 85 Resp: 10584

Ion Ratio Lower Upper

85 100

87 29.7 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

5000

4000

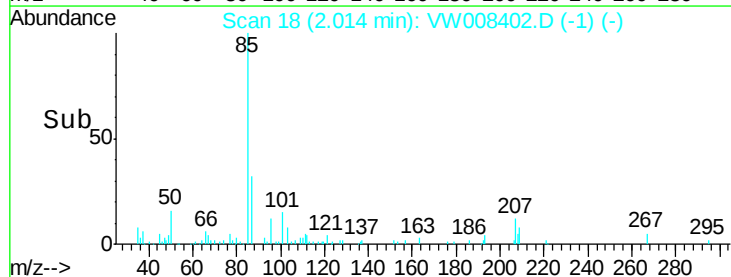
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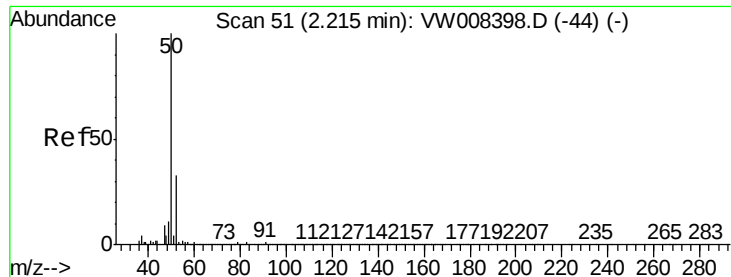
2000

1000

0

Time-->





#3

Chloromethane

Concen: 4.480 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 21469

Ion Ratio Lower Upper

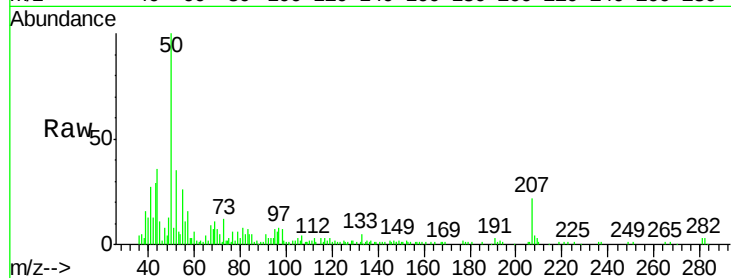
50 100

52 35.7 26.3 39.5

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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

15000

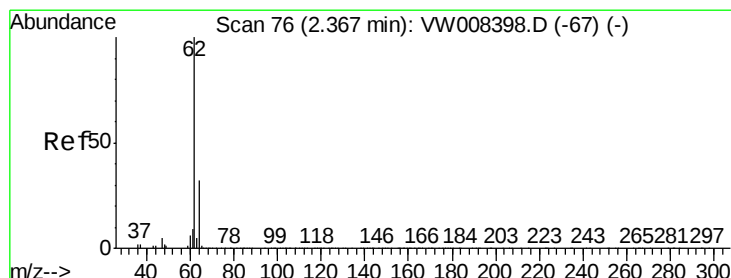
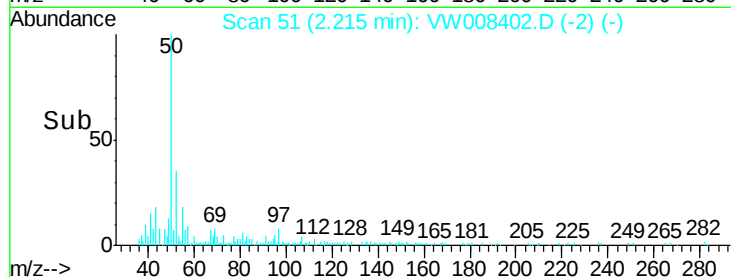
10000

5000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 4.319 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008402.D

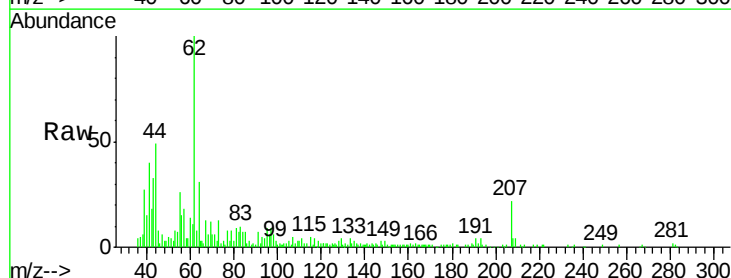
Acq: 24 Jan 2019 17:51

Tgt Ion: 62 Resp: 26449

Ion Ratio Lower Upper

62 100

64 30.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

15000

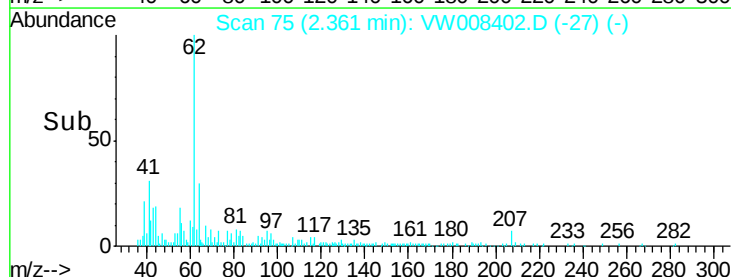
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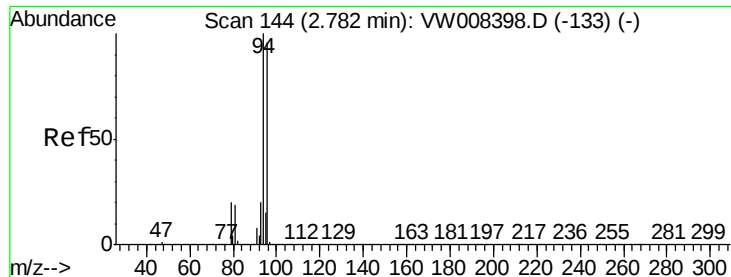
5000

0

Time-->

2.30 2.40





#5

Bromomethane

Concen: 3.914 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 18162

Ion Ratio Lower Upper

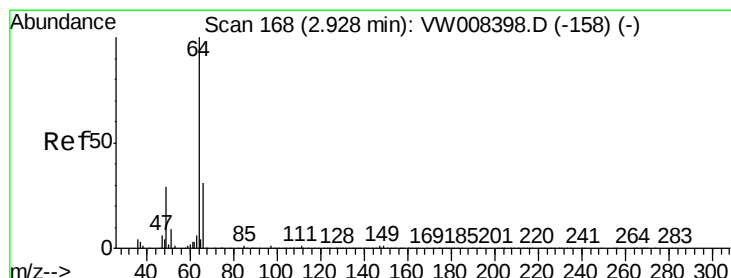
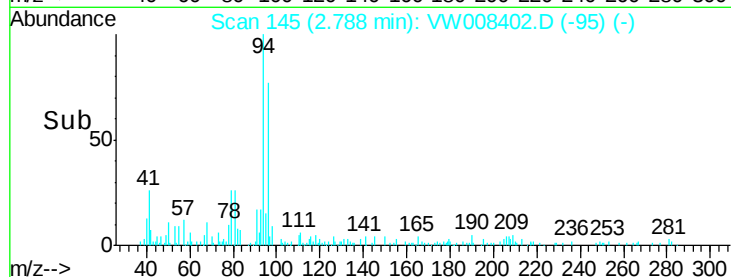
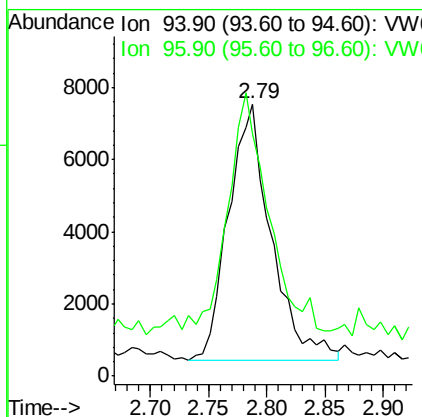
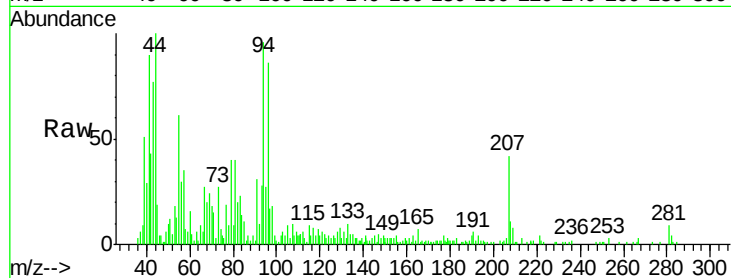
94 100

96 76.2 77.2 115.8#

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#6

Chloroethane

Concen: 4.123 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW008402.D

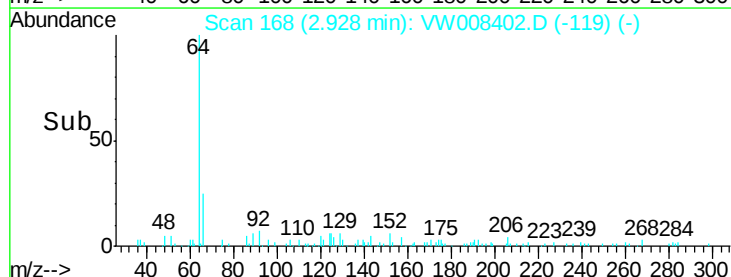
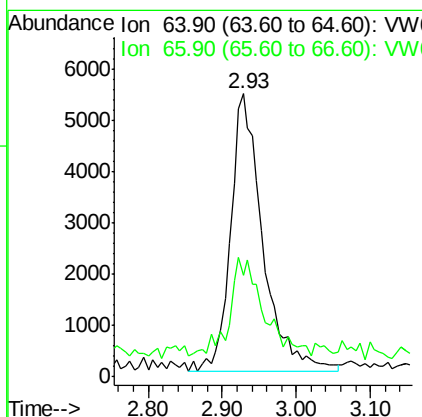
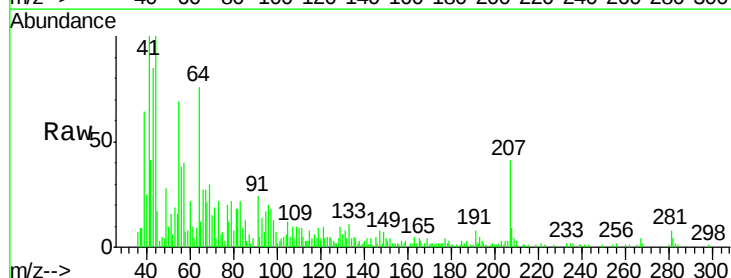
Acq: 24 Jan 2019 17:51

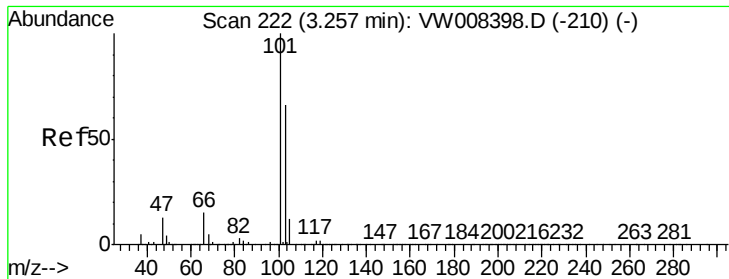
Tgt Ion: 64 Resp: 16524

Ion Ratio Lower Upper

64 100

66 29.1 24.9 37.3





#7

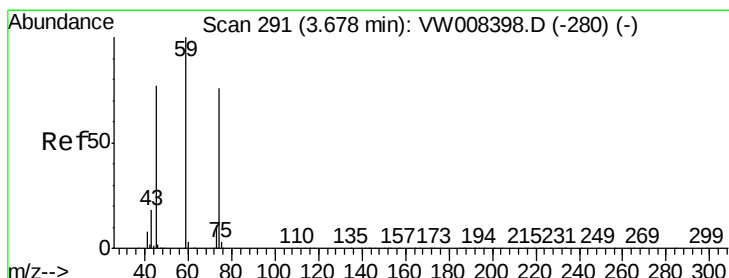
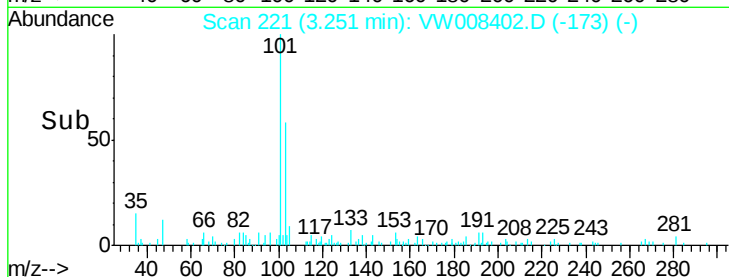
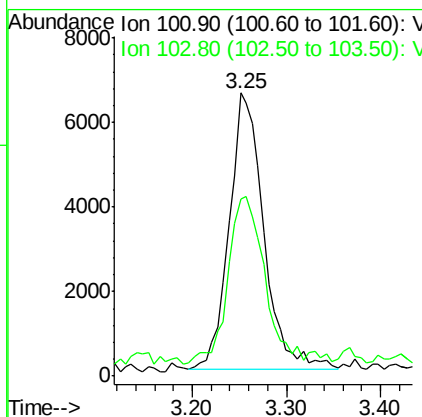
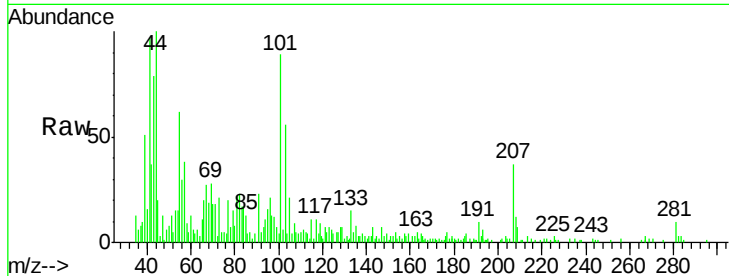
Trichlorofluoromethane
Concen: 3.695 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	52.5	78.7

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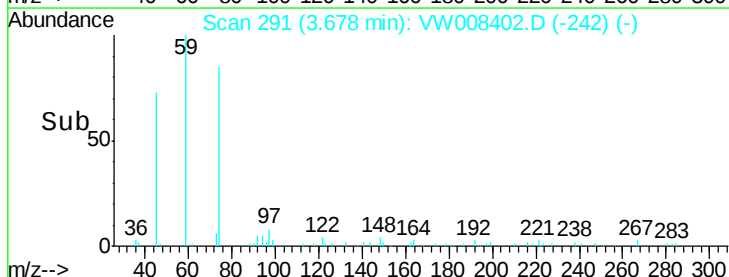
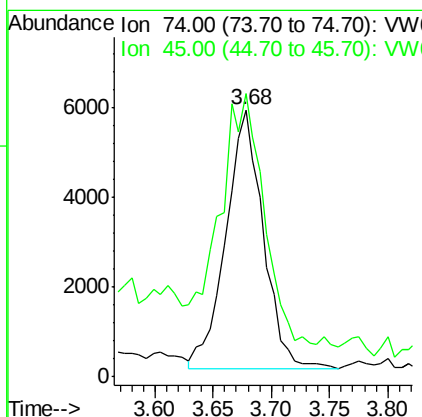
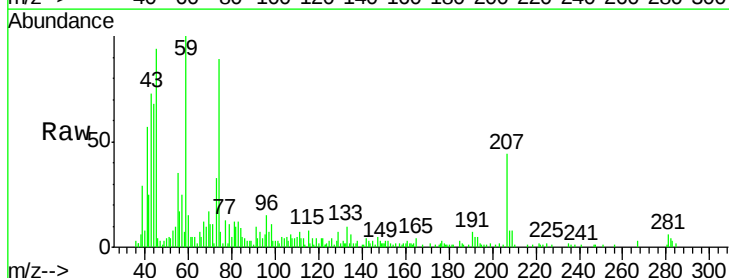
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#8

Diethyl Ether
Concen: 4.165 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.4	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.377 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

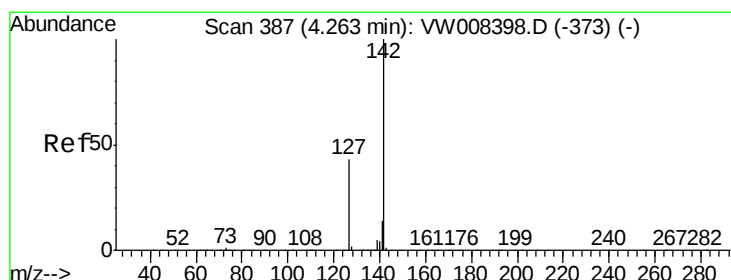
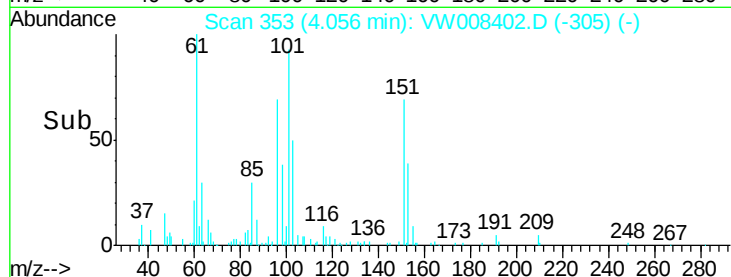
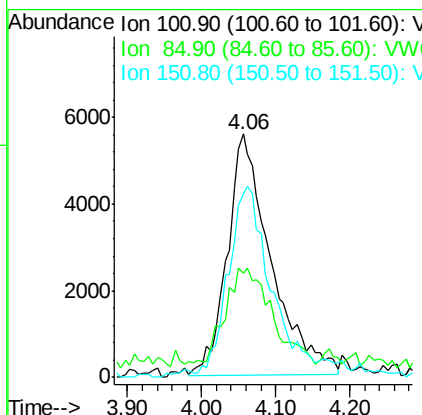
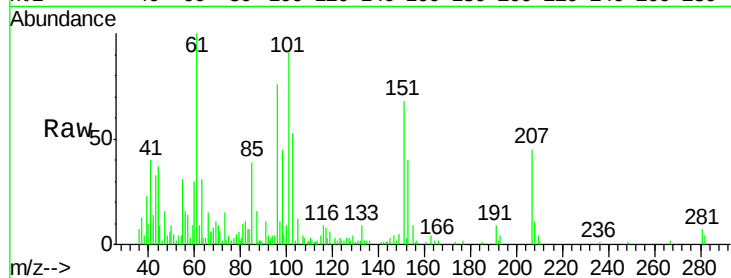
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	22911
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.4
151	73.8	62.6	94.0

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#10

Methyl Iodide

Concen: 4.134 ug/l

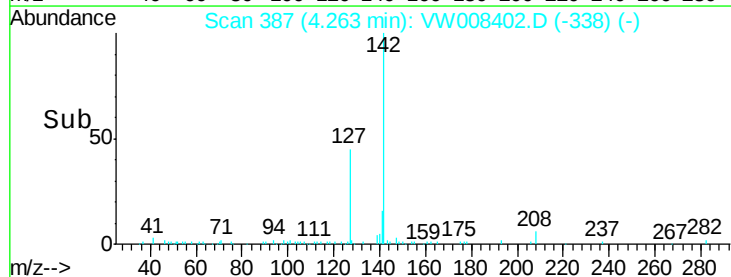
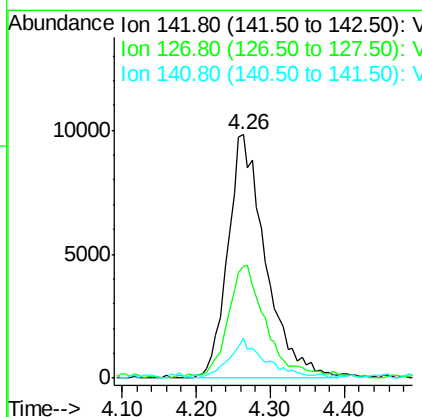
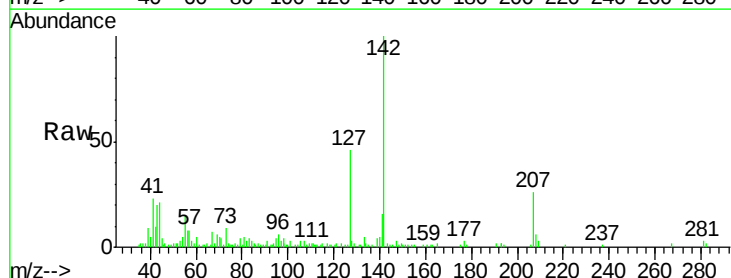
RT: 4.26 min Scan# 387

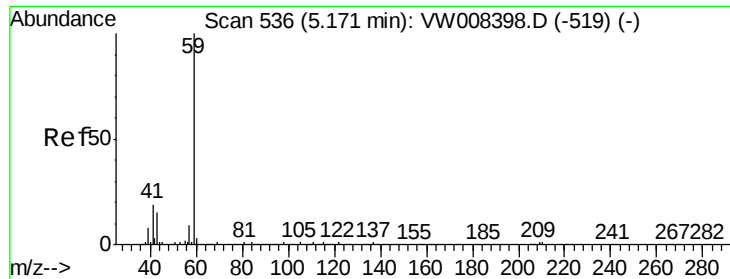
Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	142	Resp:	34902
Ion Ratio	Lower	Upper	
142	100		
127	47.1	34.6	52.0
141	13.8	11.4	17.2





#11

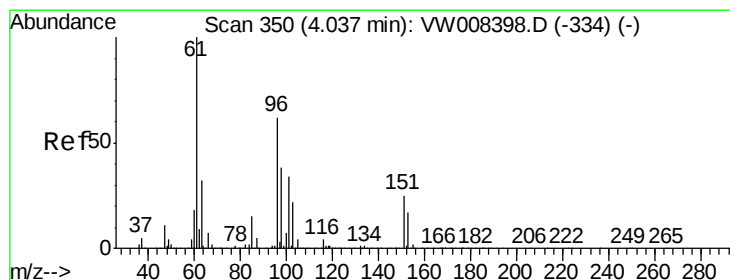
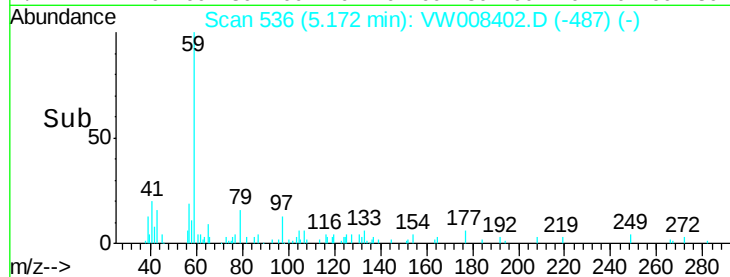
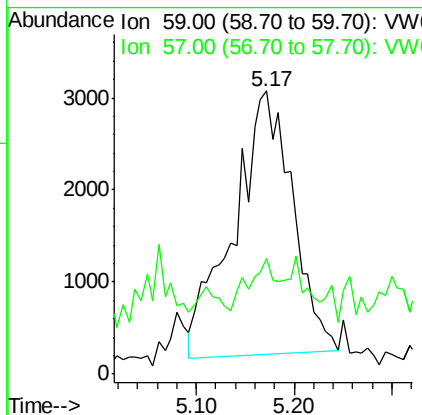
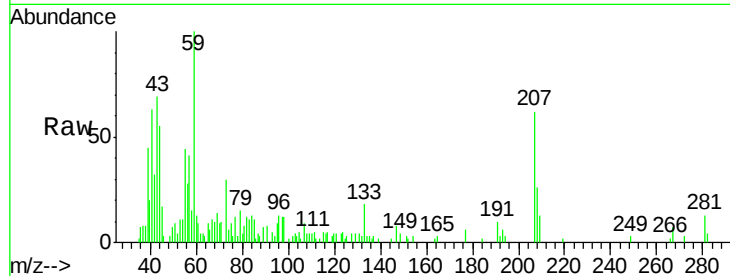
Tert butyl alcohol
Concen: 32.959 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 11978
Ion Ratio Lower Upper
59 100
57 8.5 9.3 13.9#

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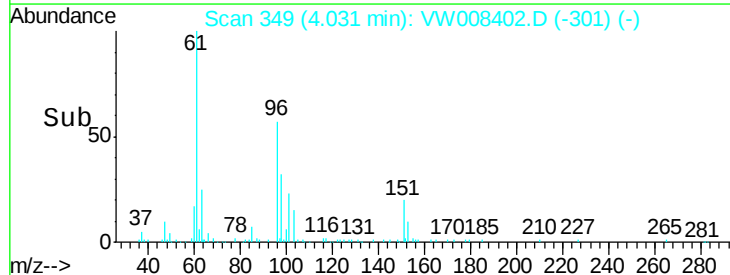
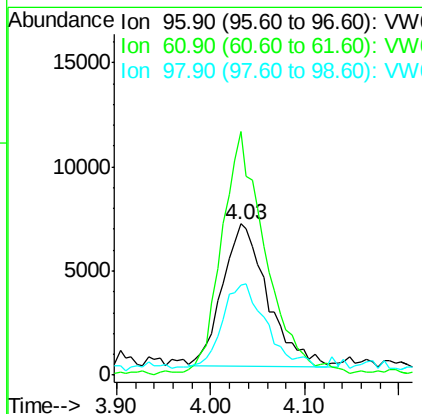
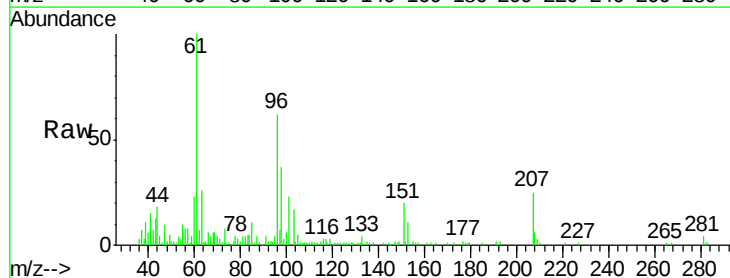
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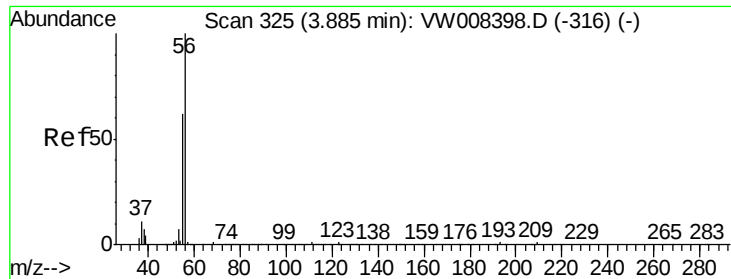


#12

1,1-Dichloroethene
Concen: 4.278 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion: 96 Resp: 22777
Ion Ratio Lower Upper
96 100
61 169.7 129.5 194.3
98 59.0 48.6 73.0





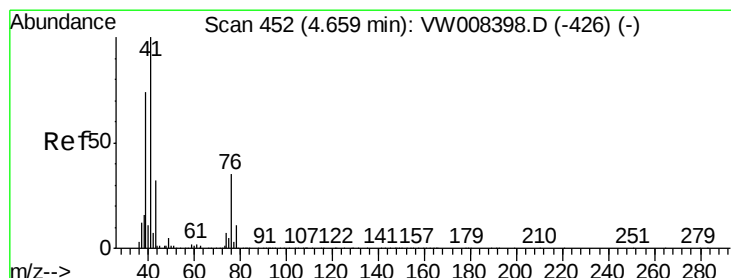
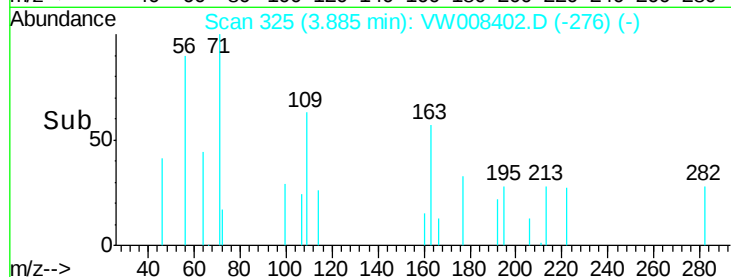
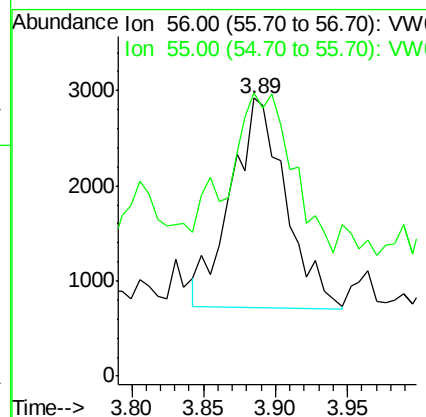
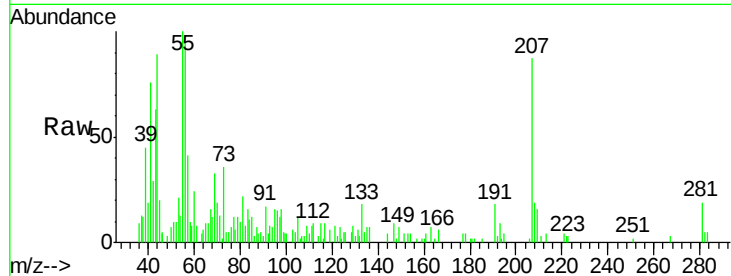
#13
Acrolein
Concen: 17.528 ug/l
RT: 3.89 min Scan# 325
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	75.4	56.7	85.1

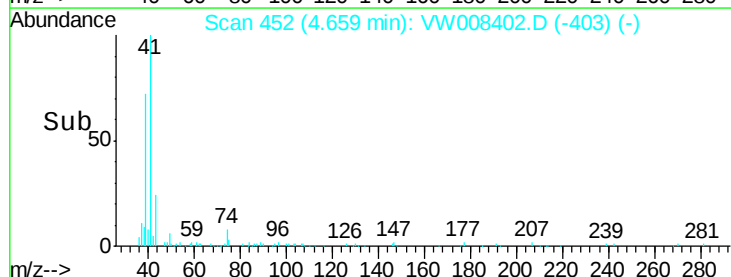
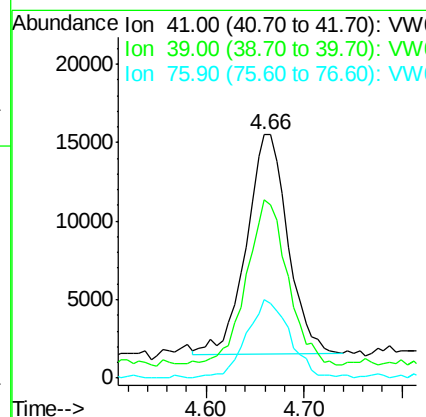
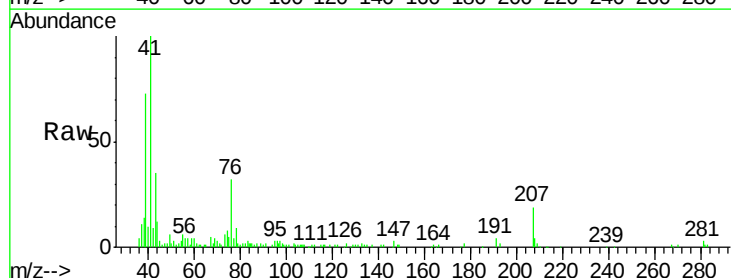
Manual Integrations
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#14
Allyl chloride
Concen: 4.609 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	78.4	57.7	86.5
76	76	38.1	26.9	40.3





#15

Acrylonitrile

Concen: 21.312 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

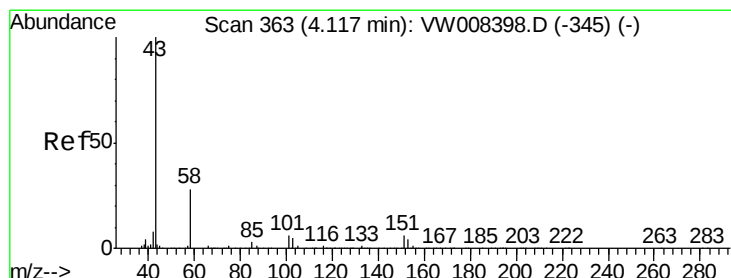
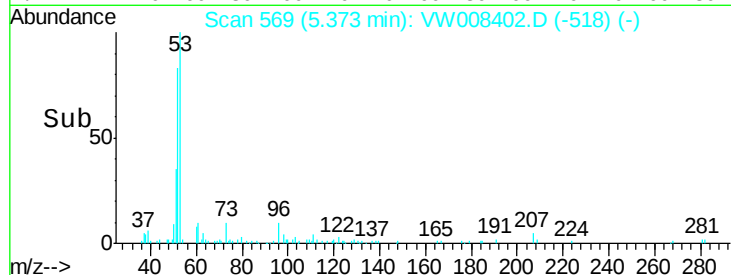
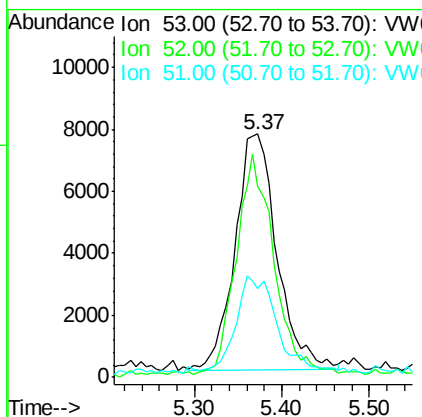
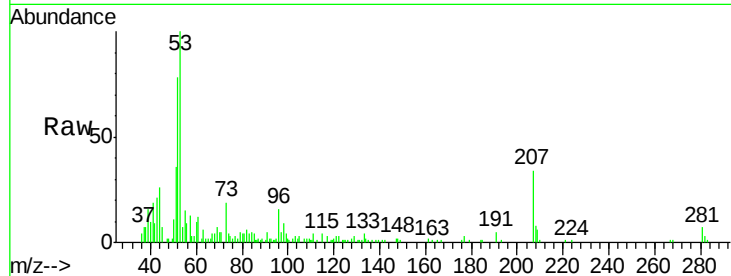
ClientSampled :

VSTDIC005

Tot Ion:	53	Resp:	25525
Ion	Ratio	Lower	Upper
53	100		
52	83.0	67.0	100.4
51	38.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 25.884 ug/l

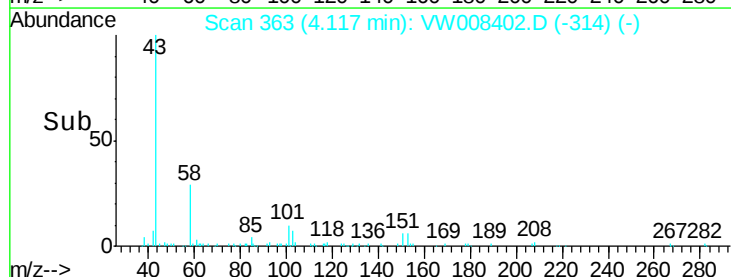
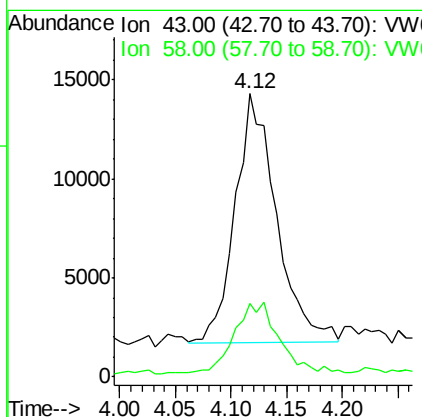
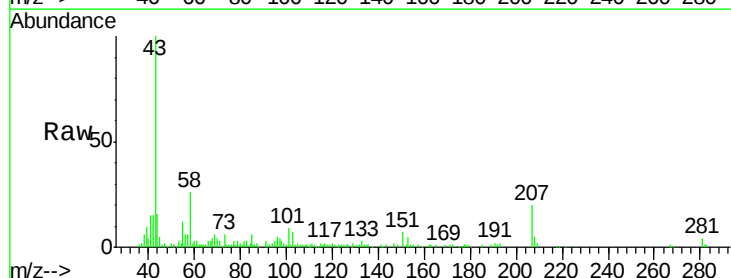
RT: 4.12 min Scan# 363

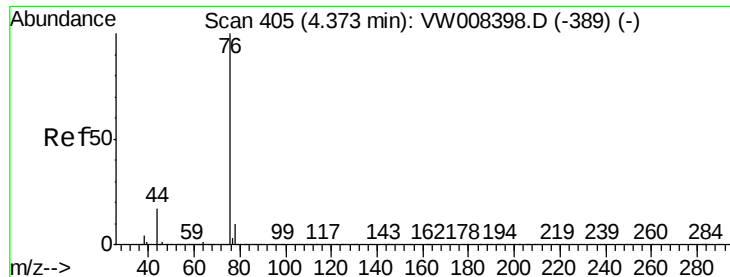
Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	43	Resp:	32446
Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.6	34.0





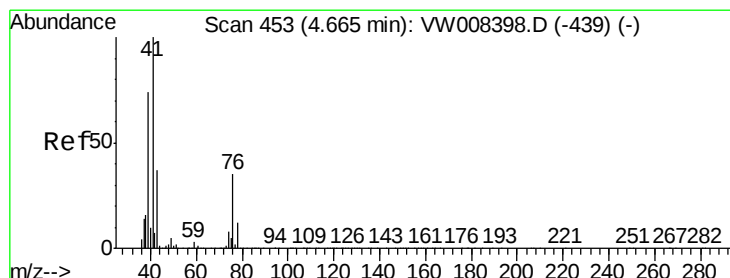
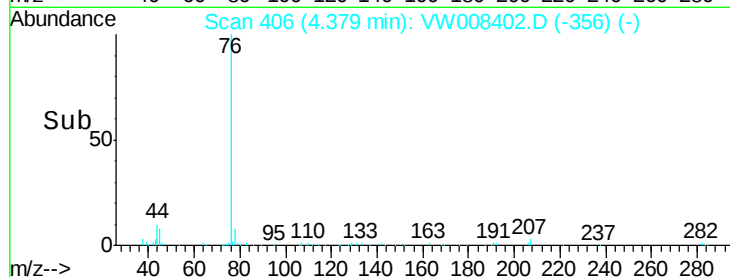
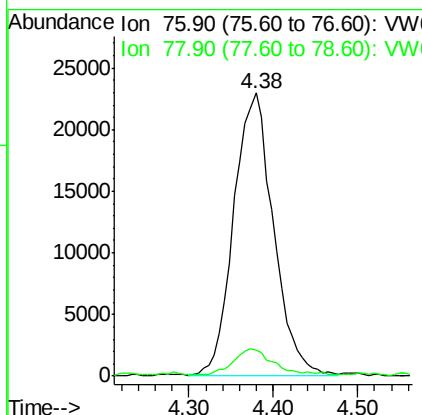
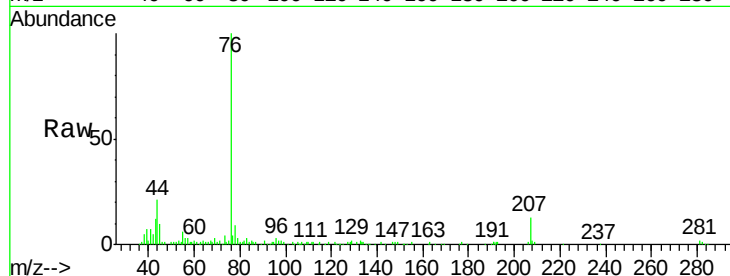
#17
Carbon Disulfide
Concen: 4.495 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.7	11.5

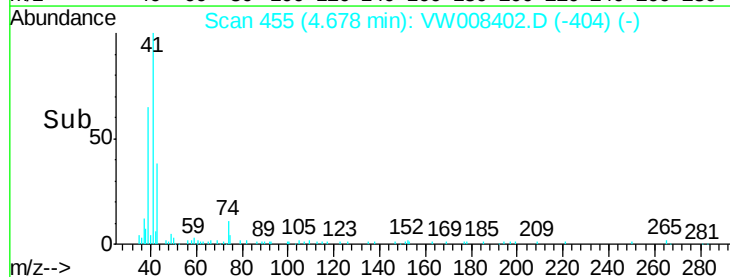
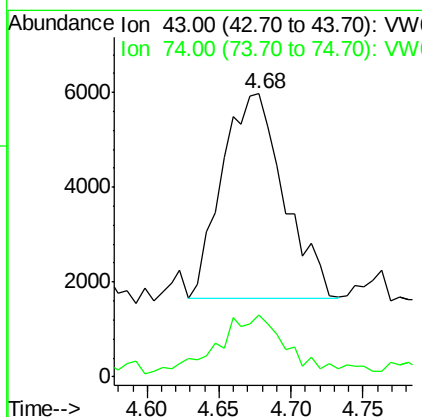
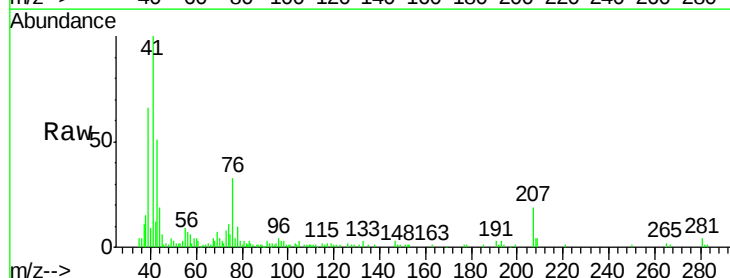
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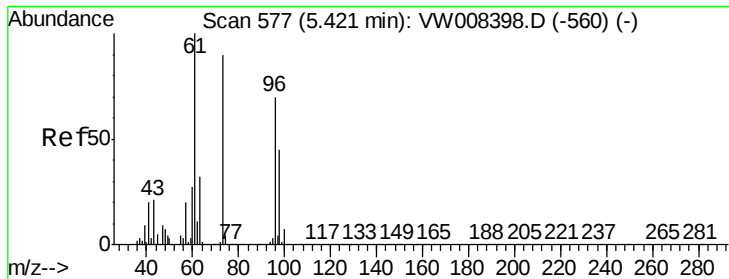
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#18
Methyl Acetate
Concen: 3.876 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.0	17.5	26.3#





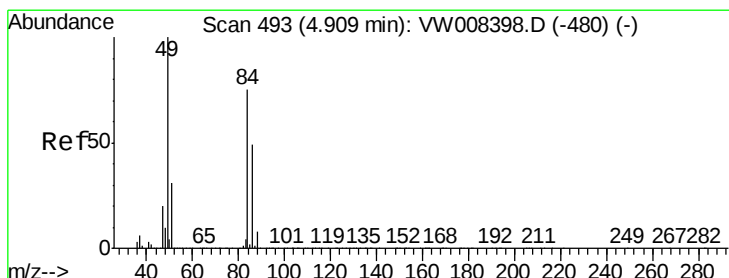
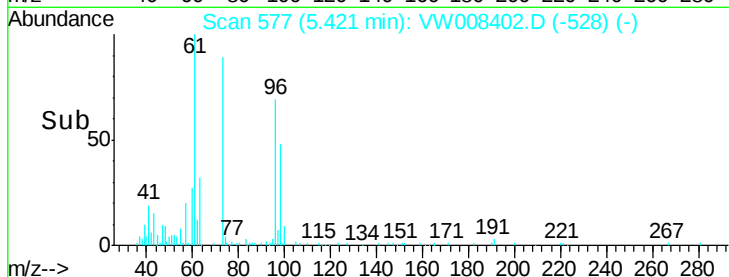
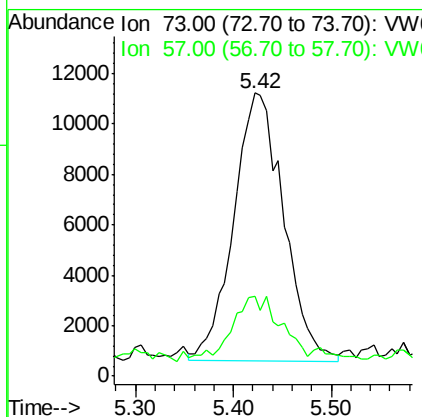
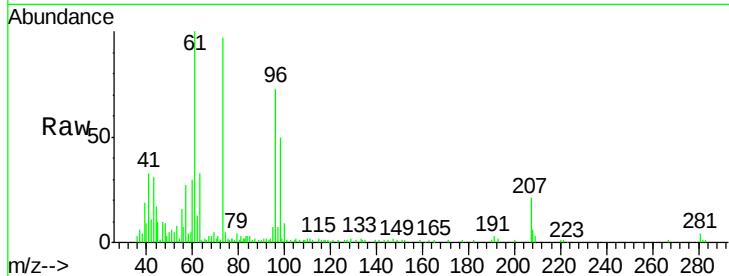
#19
Methvl tert-butvl Ether
Concen: 4.633 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.0	27.0

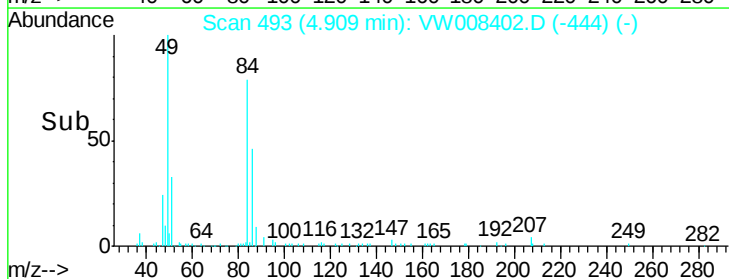
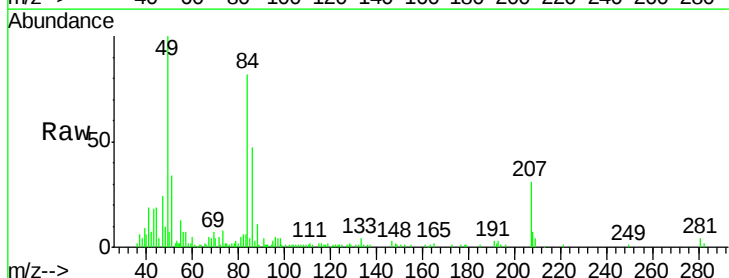
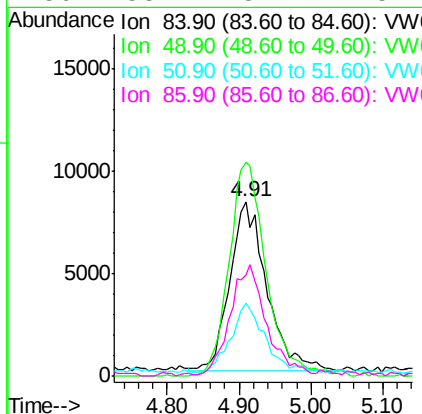
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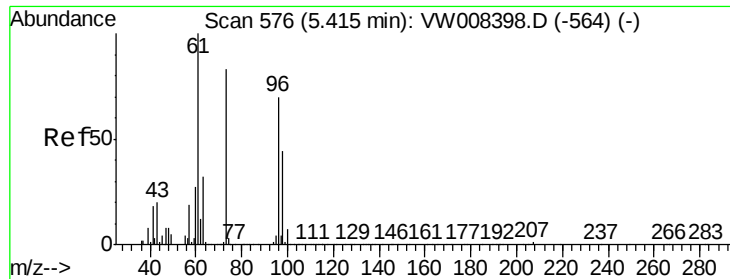
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#20
Methylene Chloride
Concen: 4.459 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.2	106.8	160.2
51	40.9	32.9	49.3
86	58.4	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 4.278 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

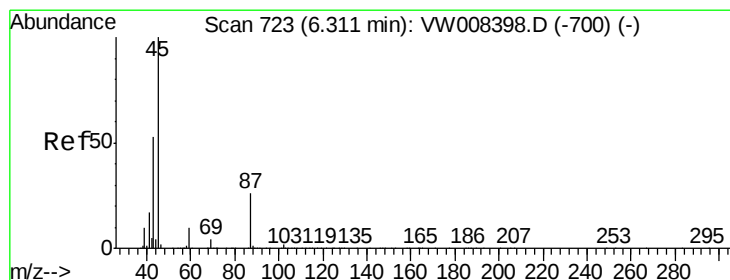
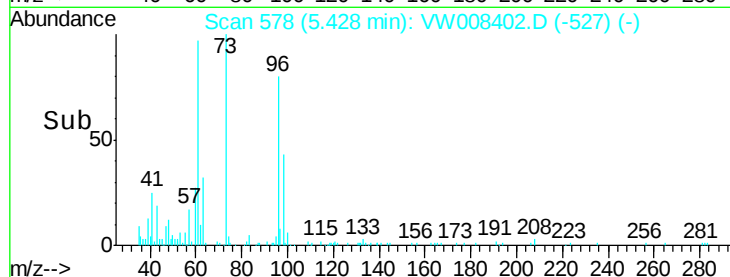
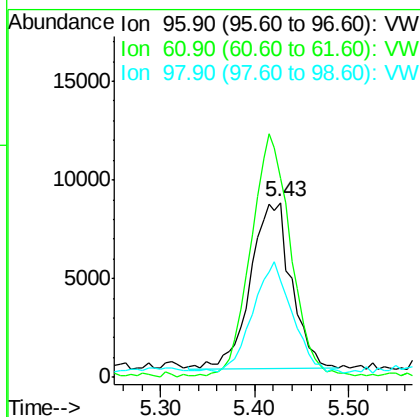
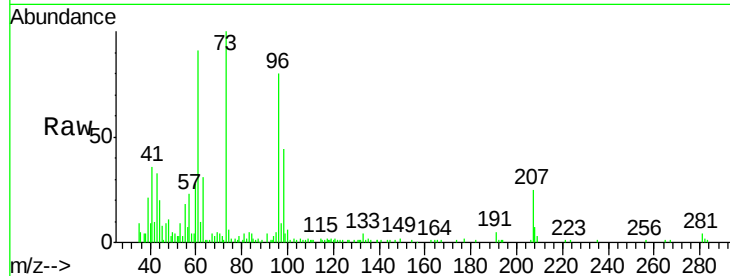
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	25580
Ion	Ratio	Lower	Upper
96	100		
61	119.3	114.4	171.6
98	54.2	50.6	75.8

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#22

Diisopropyl ether

Concen: 4.505 ug/l

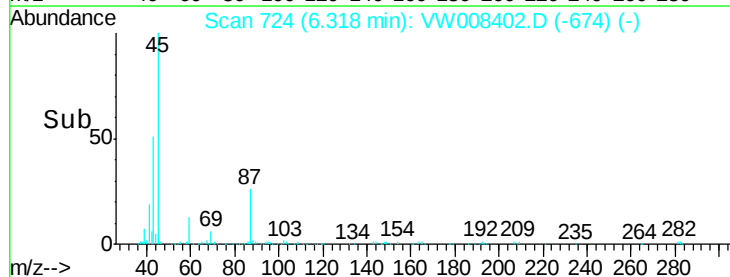
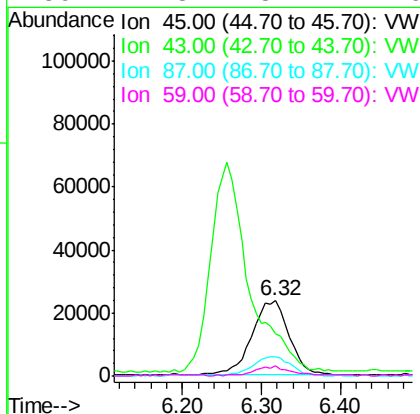
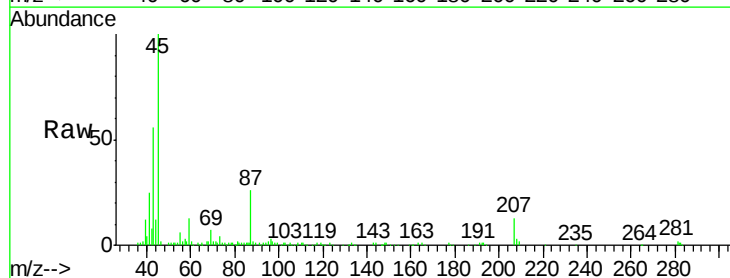
RT: 6.32 min Scan# 724

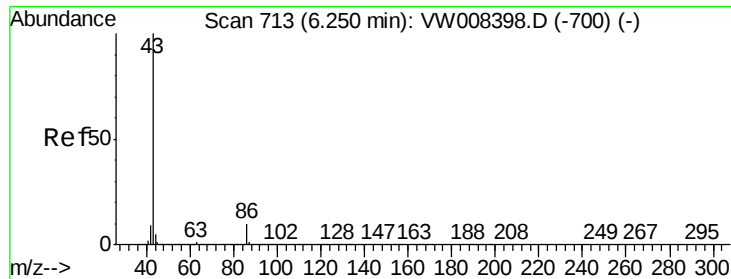
Delta R.T. 0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	45	Resp:	78281
Ion	Ratio	Lower	Upper
45	100		
43	49.2	42.6	63.8
87	25.5	20.3	30.5
59	11.8	8.4	12.6





#23

Vinyl Acetate

Concen: 24.229 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 225053

Ion Ratio Lower Upper

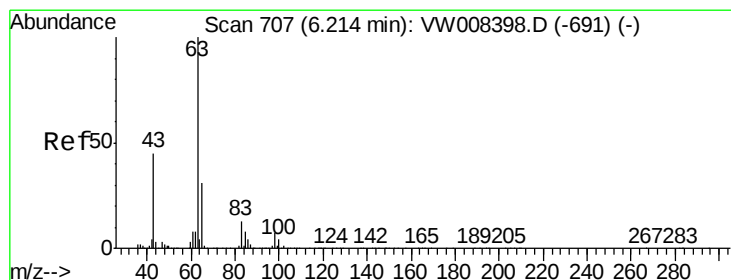
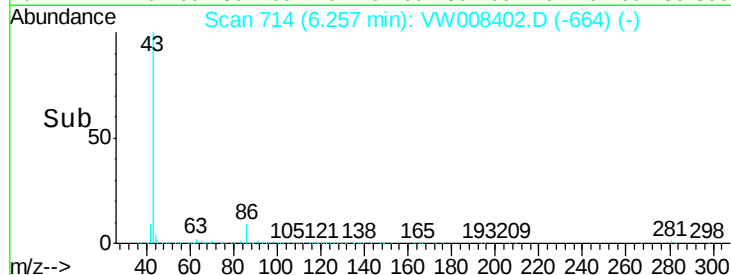
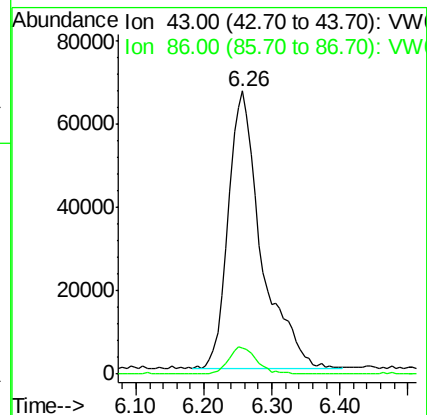
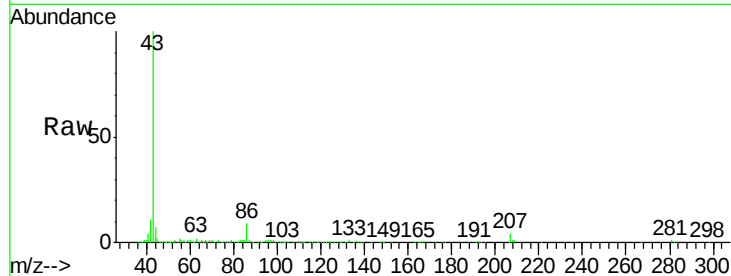
43 100

86 9.4 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 4.205 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

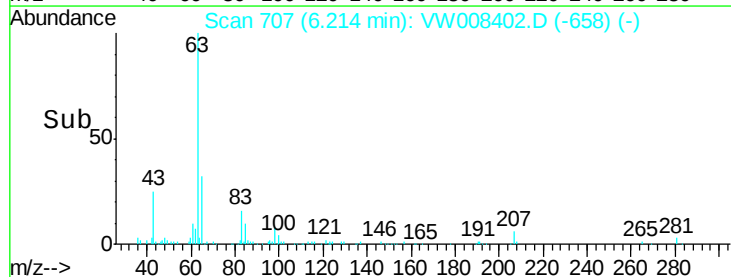
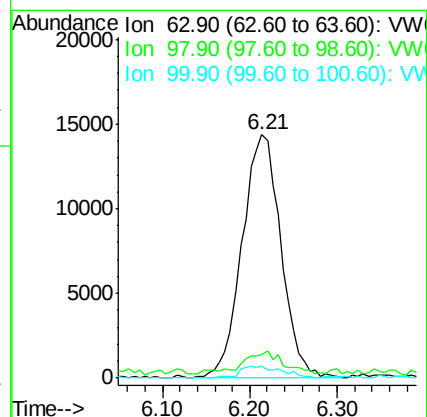
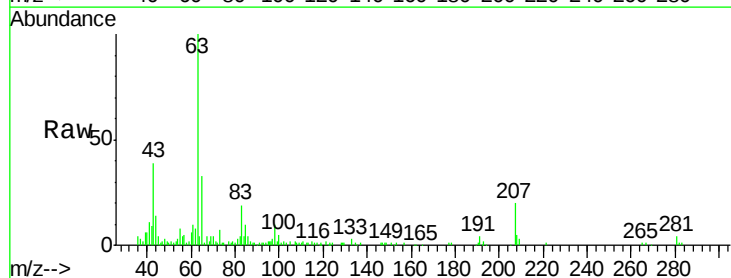
Tgt Ion: 63 Resp: 44495

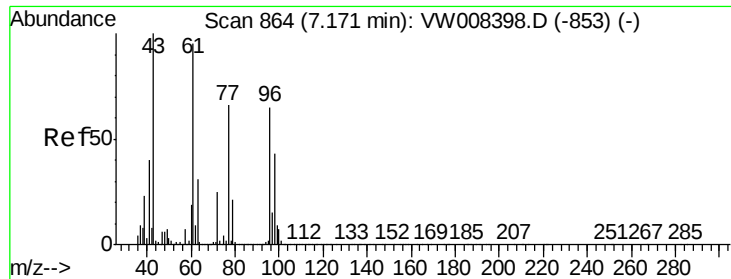
Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.5

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 23.112 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 37106

Ion Ratio Lower Upper

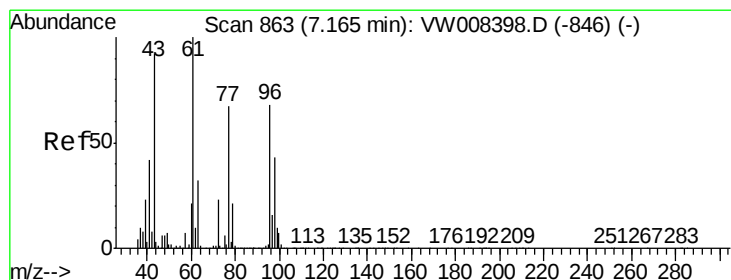
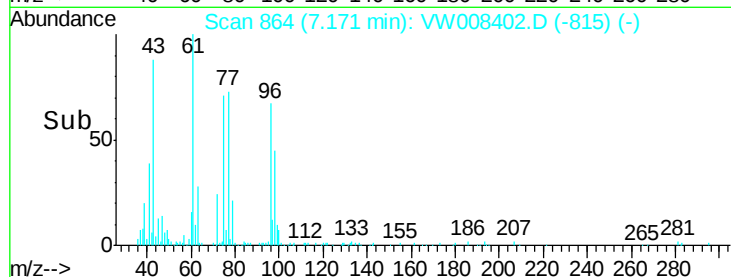
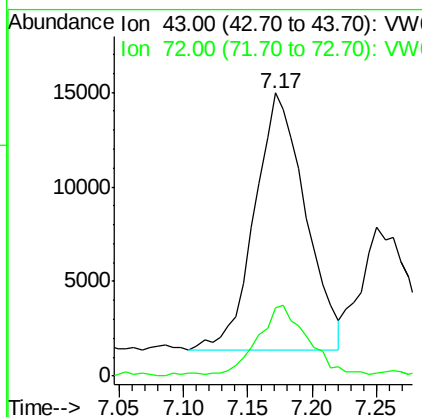
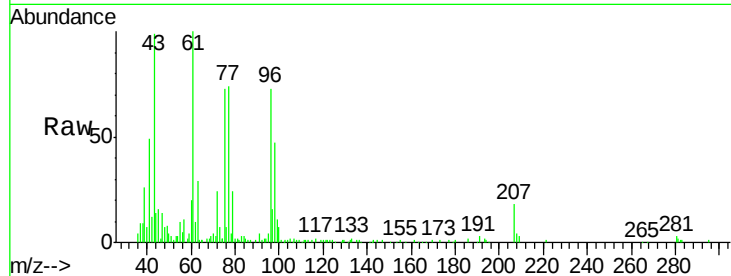
43 100

72 25.4 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 5.091 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008402.D

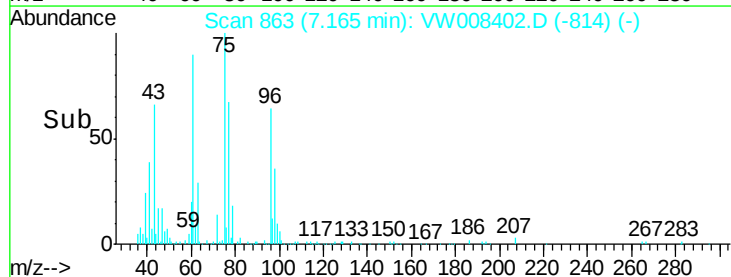
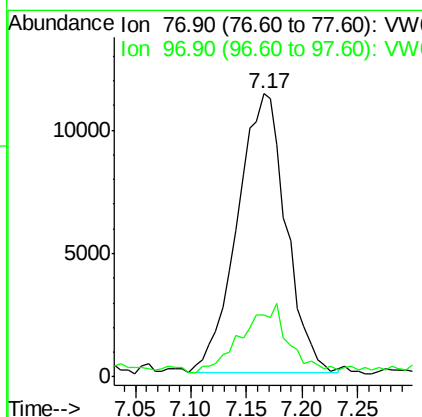
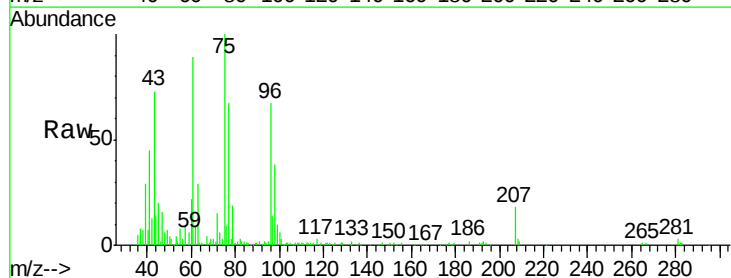
Acq: 24 Jan 2019 17:51

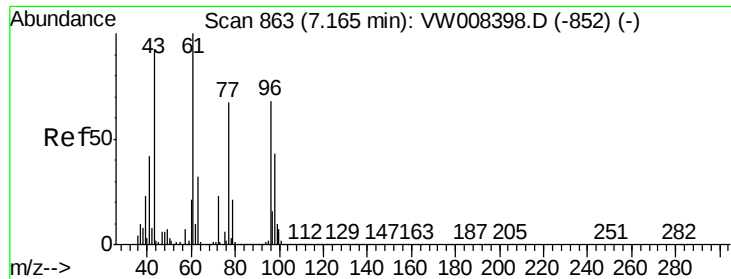
Tgt Ion: 77 Resp: 34376

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5





#27

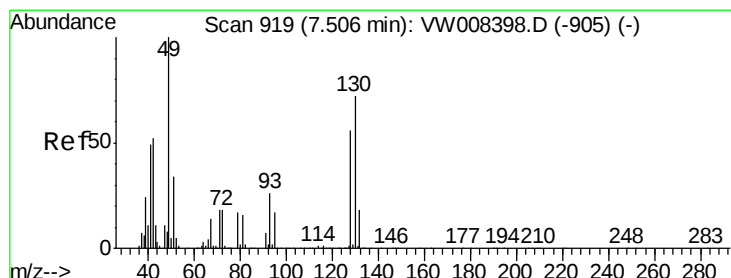
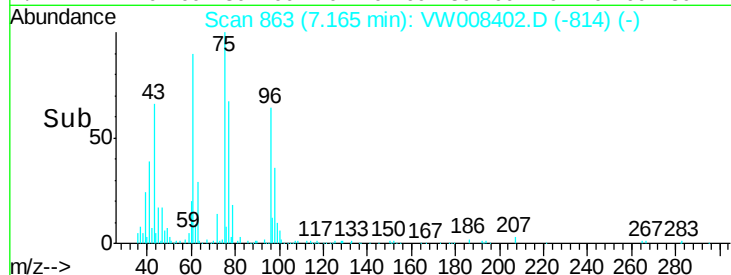
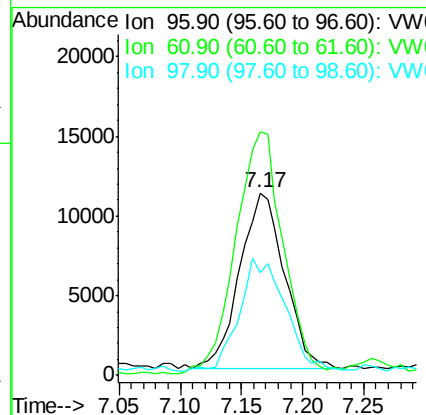
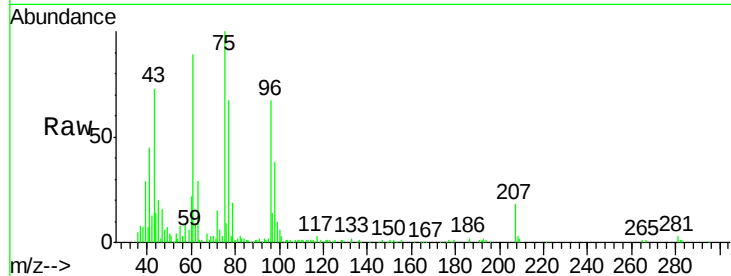
cis-1,2-Dichloroethene
Concen: 4.356 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	28221		
61	145.4	0.0	292.8	
98	65.5	0.0	129.2	

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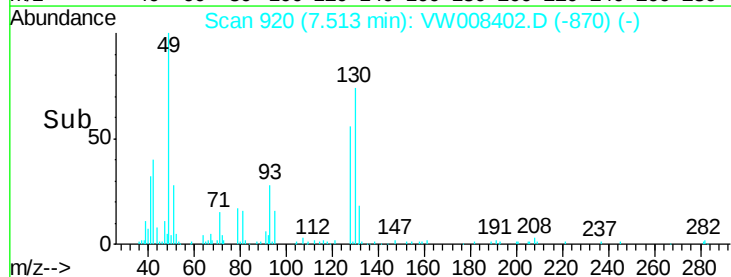
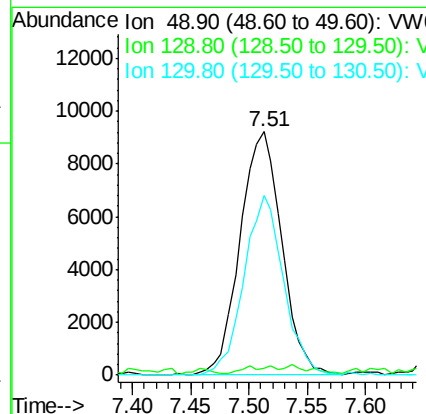
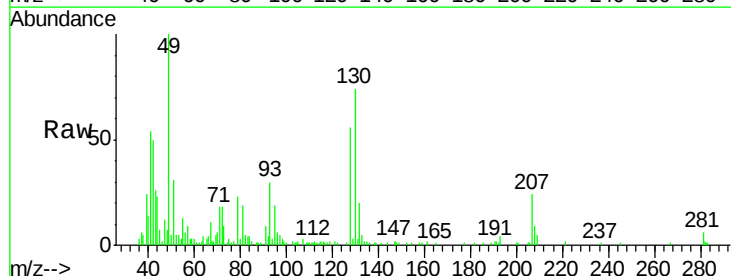
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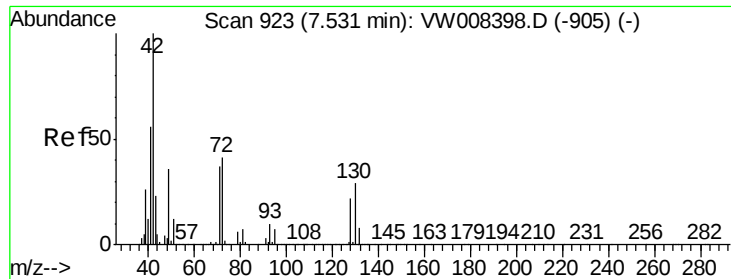


#28

Bromochloromethane
Concen: 5.298 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23093		
129	0.2	0.0	4.6	
130	69.7	58.6	87.8	





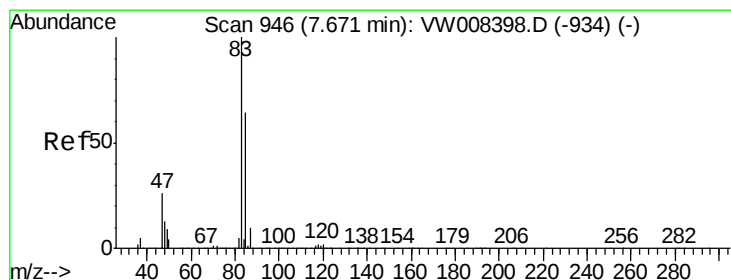
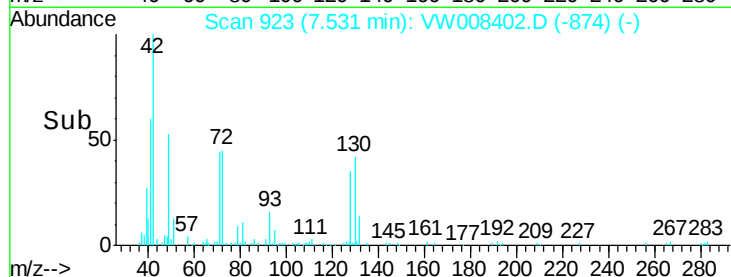
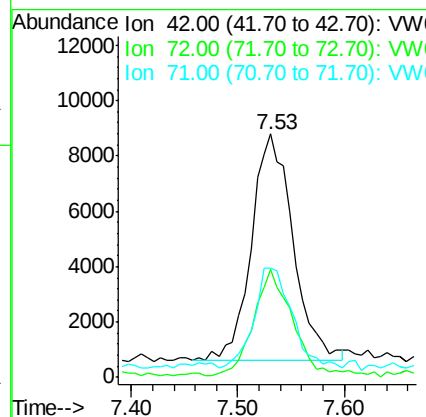
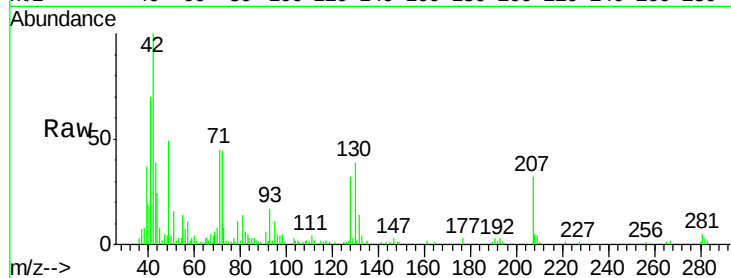
#29
Tetrahydrofuran
Concen: 22.300 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	31.9	47.9
71	42.1	29.9	44.9

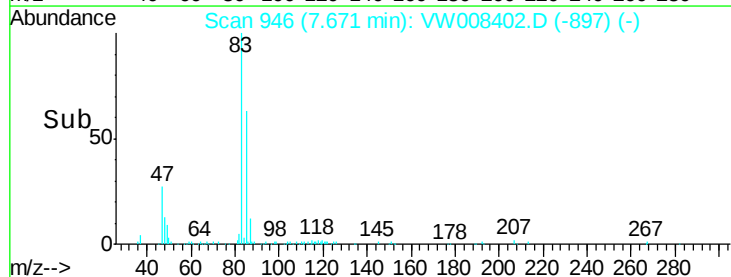
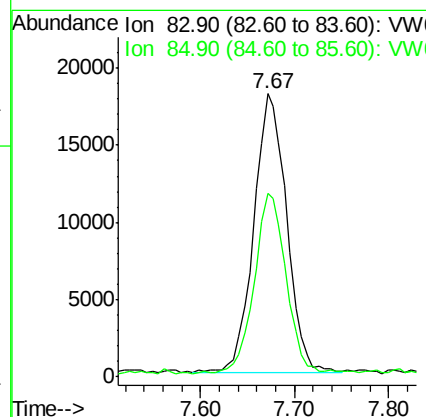
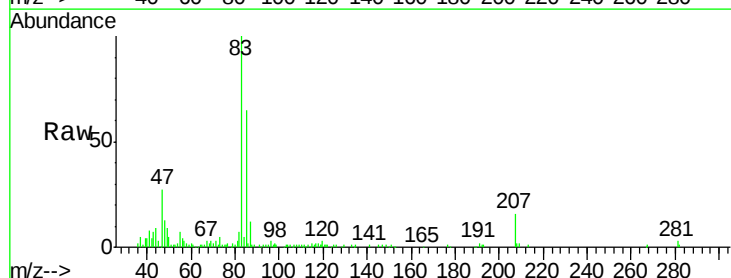
Manual Integrations
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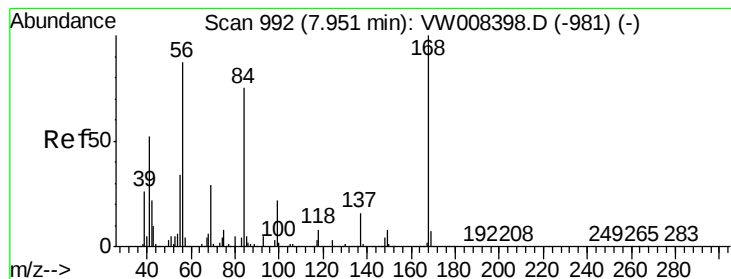
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#30
Chloroform
Concen: 4.198 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.9	76.3





#31

Cyclohexane

Concen: 5.320 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

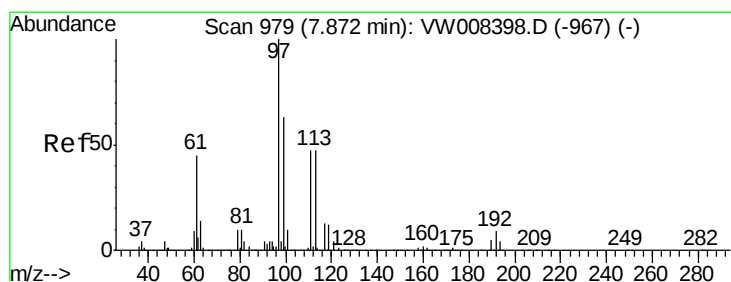
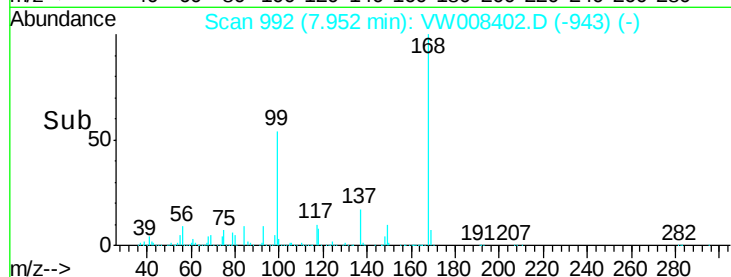
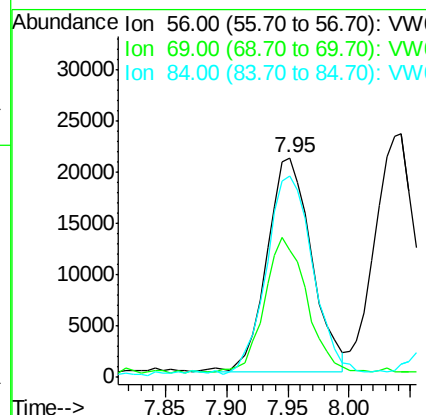
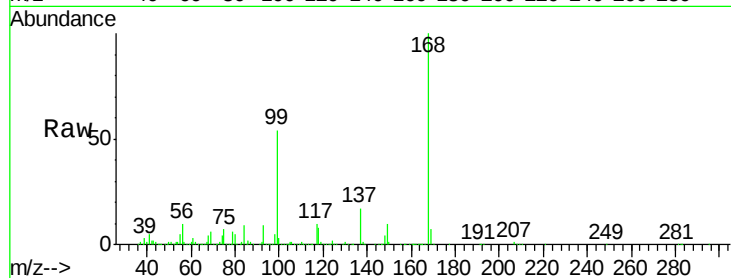
ClientSampled :

VSTDIC005

Tot Ion:	56	Resp:	53635
Ion Ratio	Lower	Upper	
56	100		
69	55.8	26.4	39.6#
84	90.2	69.1	103.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.559 ug/l

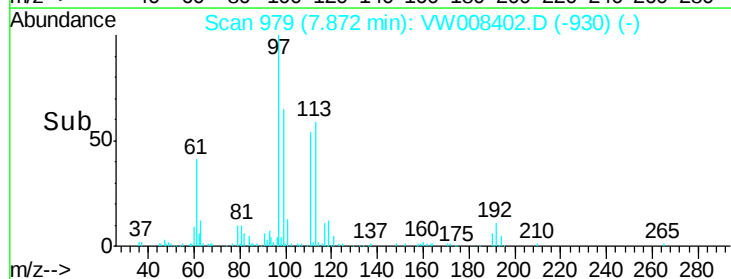
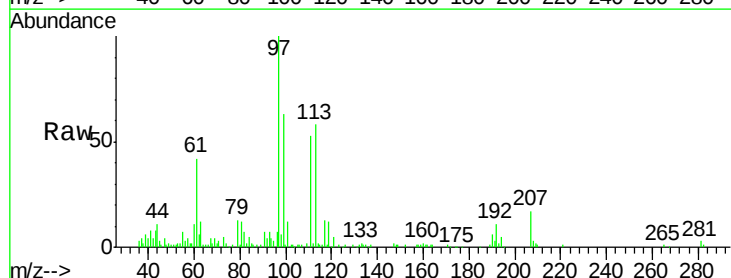
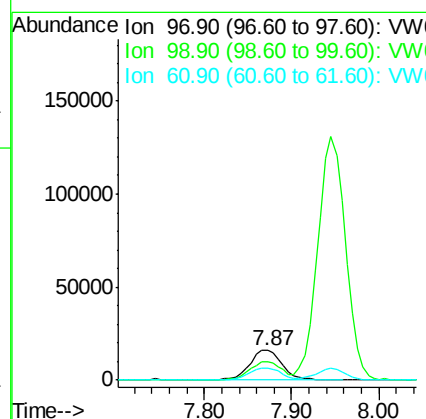
RT: 7.87 min Scan# 979

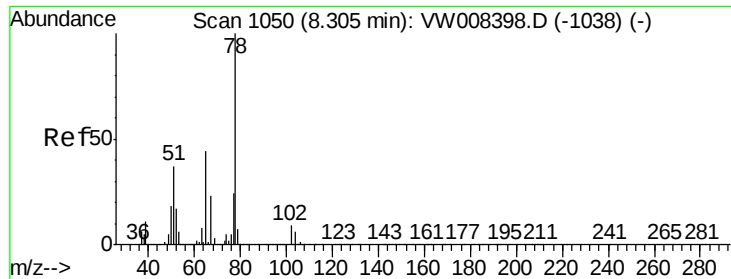
Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	97	Resp:	40054
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.3	76.9
61	43.8	36.2	54.4





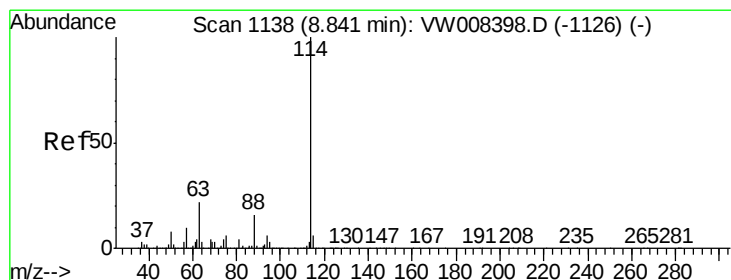
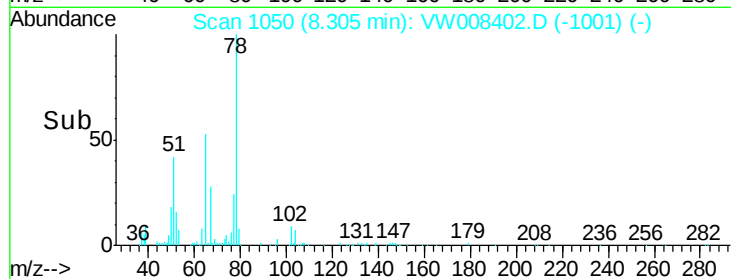
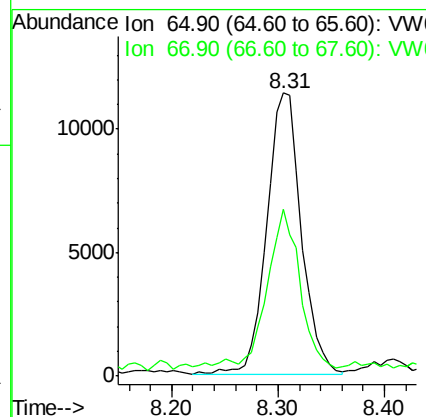
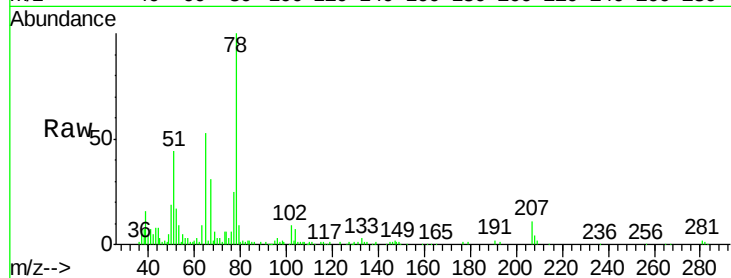
#33
 1,2-Dichloroethane-d4
 Concen: 4.794 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.0

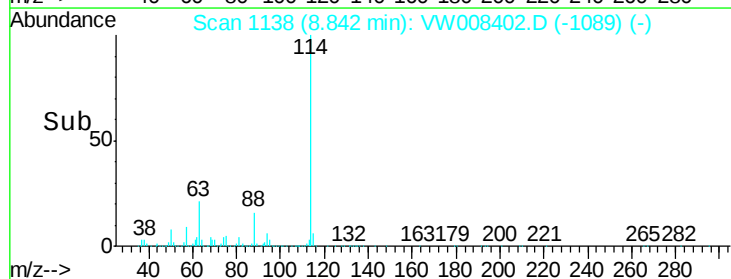
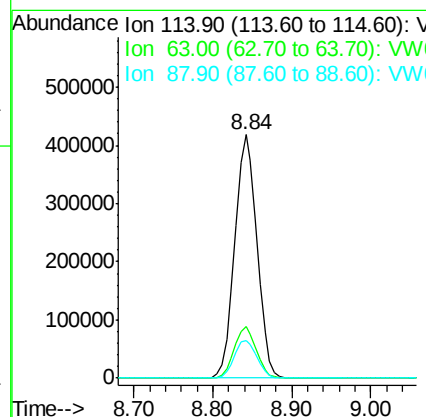
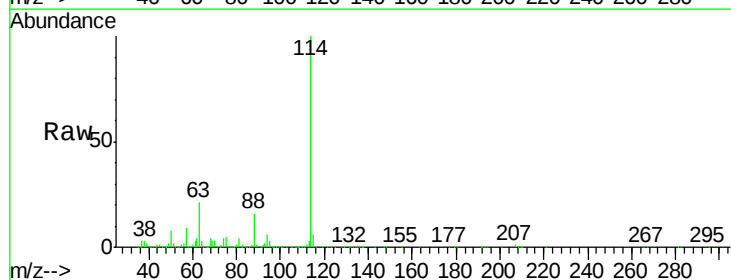
Manual Integrations
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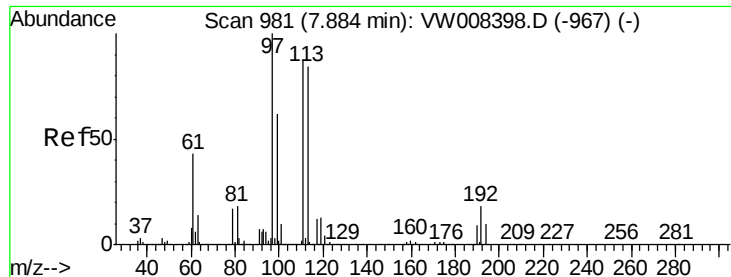
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.6
88	15.6	0.0	31.8





#35

Dibromofluoromethane

Concen: 4.793 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

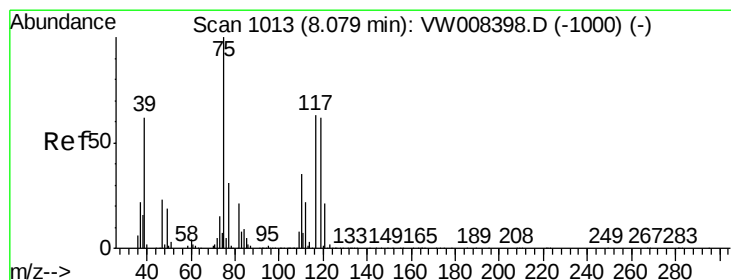
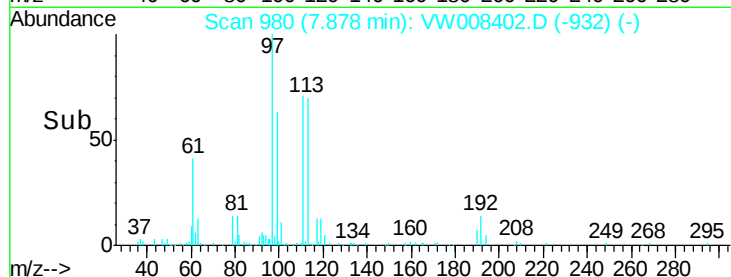
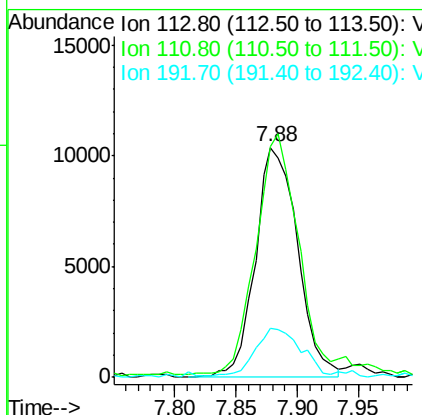
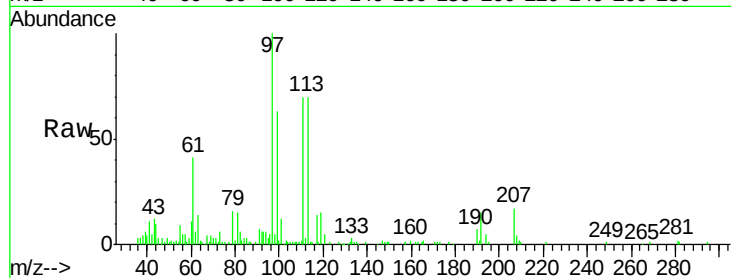
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	25042
Ion Ratio	Lower	Upper	
113	100		
111	108.9	81.0	121.4
192	22.6	16.8	25.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 4.237 ug/l

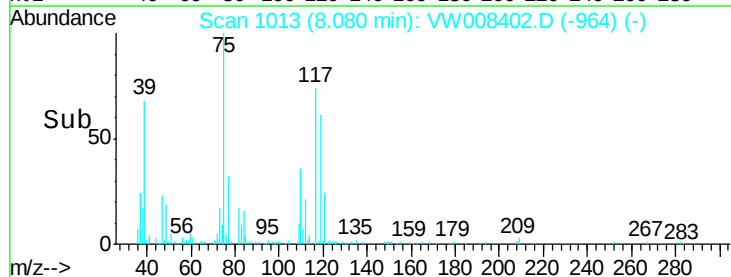
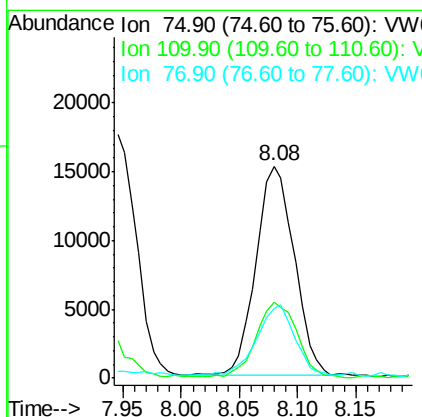
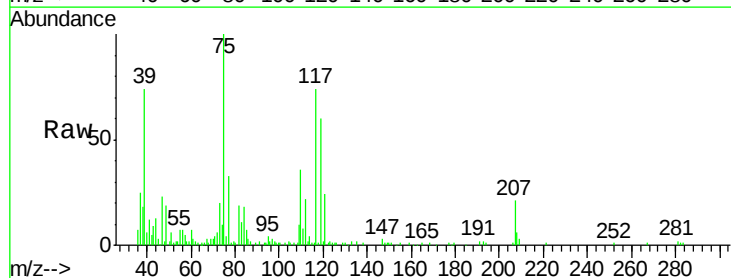
RT: 8.08 min Scan# 1013

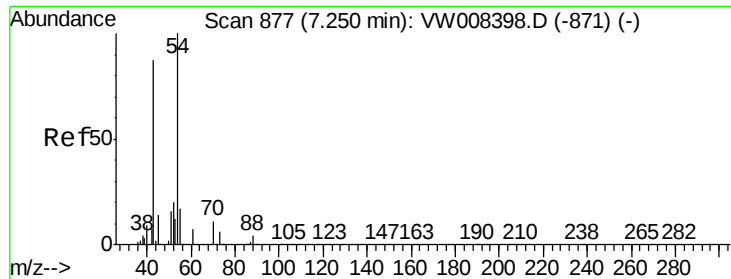
Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	75	Resp:	34887
Ion Ratio	Lower	Upper	
75	100		
110	38.0	17.3	52.0
77	33.6	24.7	37.1





#37

Ethyl Acetate

Concen: 4.833 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

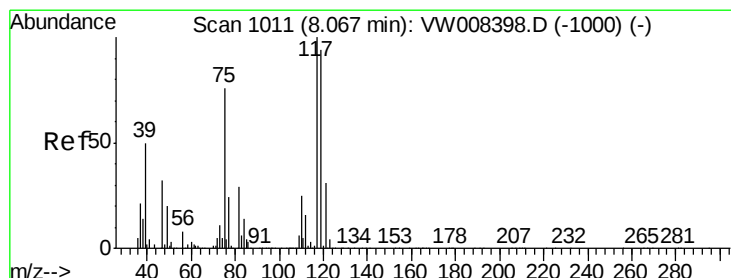
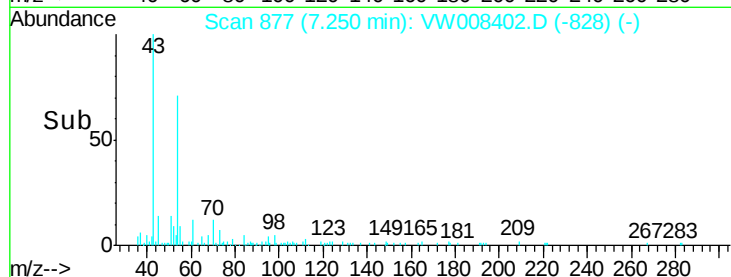
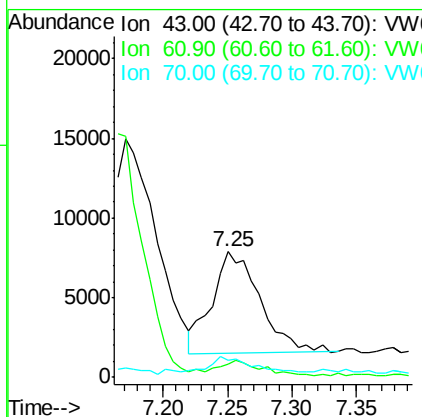
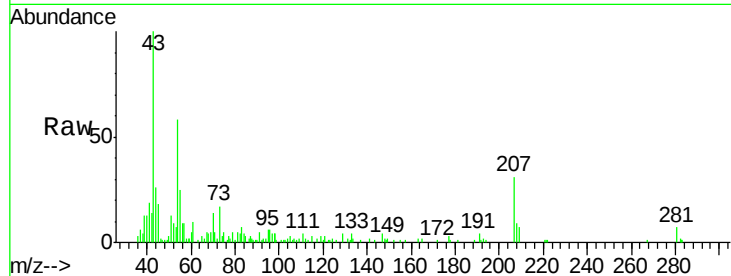
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	16412
Ion Ratio	Lower	Upper	
43	100		
61	13.0	10.1	15.1
70	12.8	7.8	11.6#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 4.590 ug/l

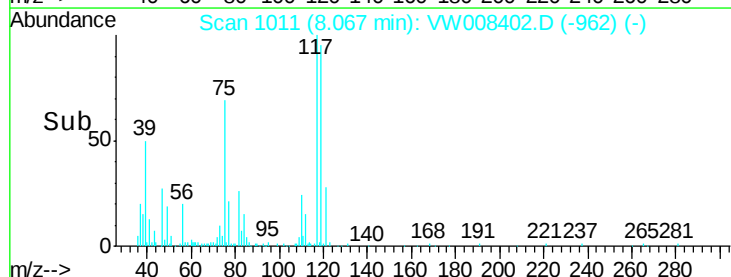
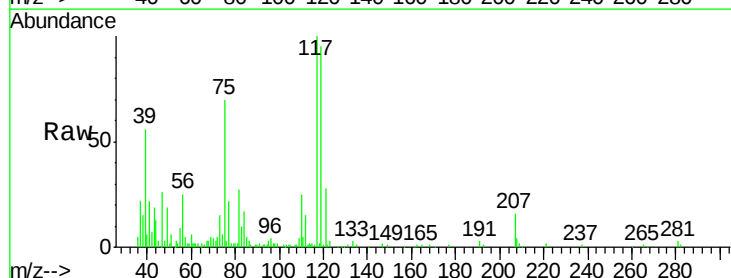
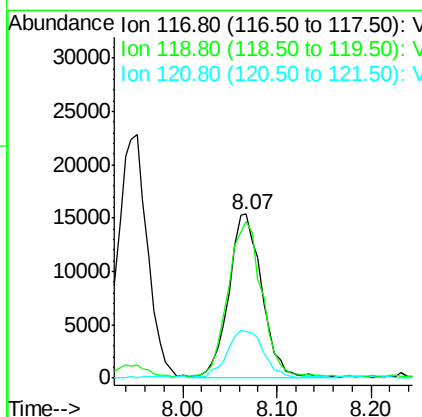
RT: 8.07 min Scan# 1011

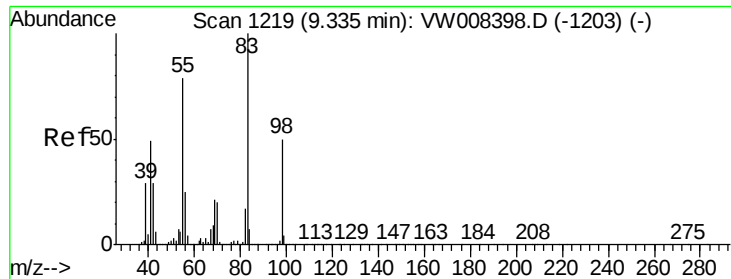
Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	117	Resp:	37322
Ion Ratio	Lower	Upper	
117	100		
119	95.0	75.0	112.4
121	28.5	24.9	37.3





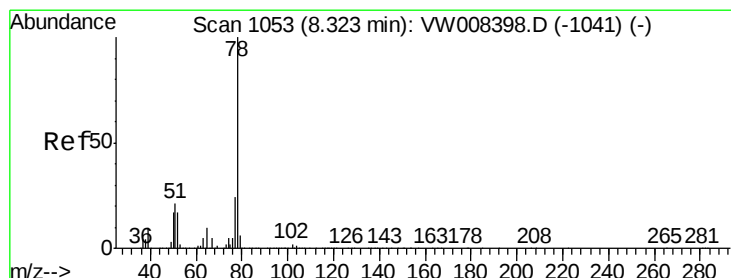
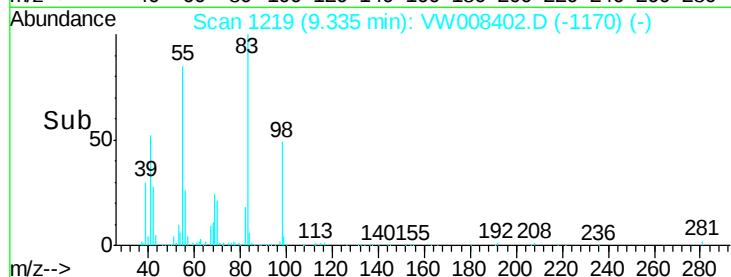
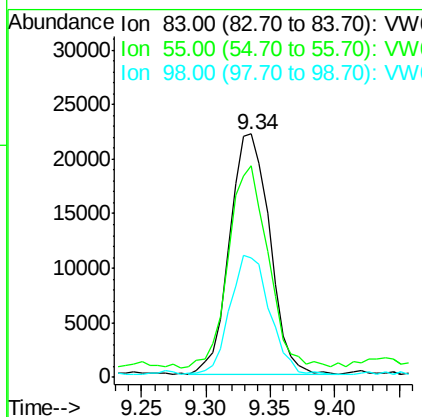
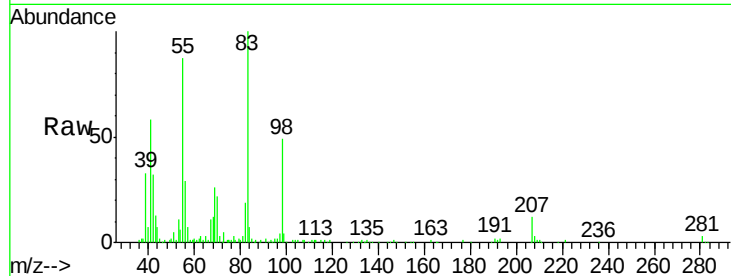
#39
Methvlcvclohexane
Concen: 4.894 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.8	63.3	94.9
98	48.7	39.7	59.5

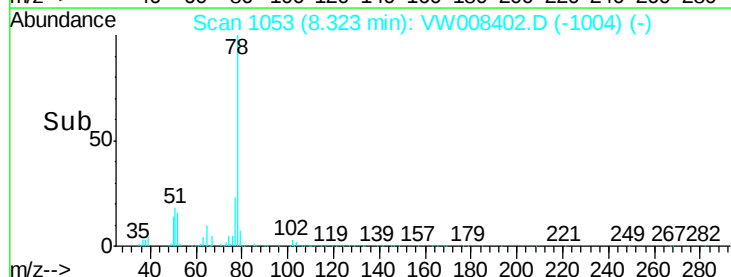
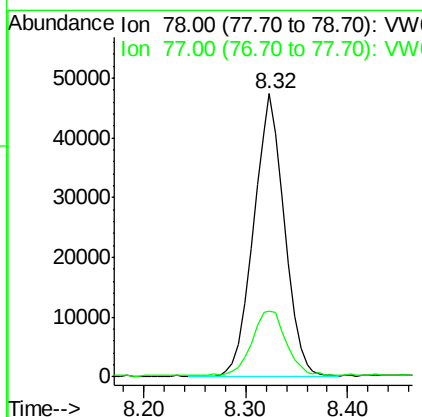
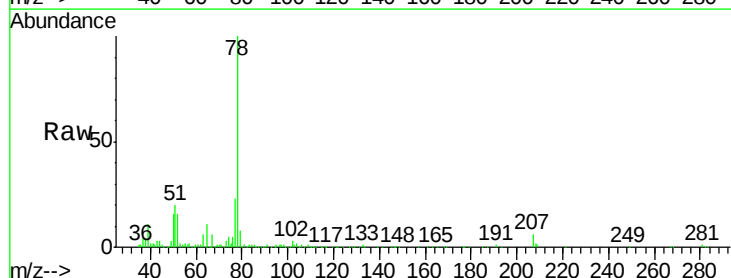
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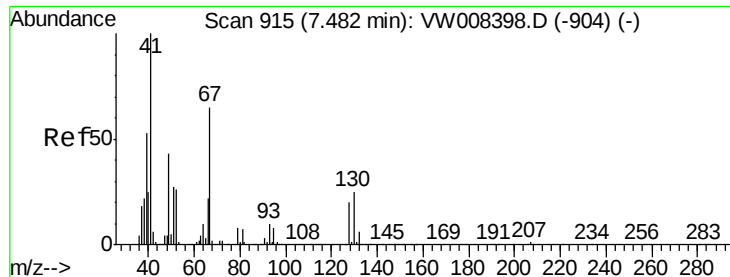
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#40
Benzene
Concen: 4.276 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.6





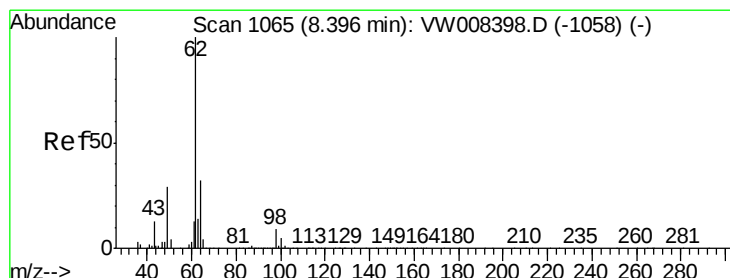
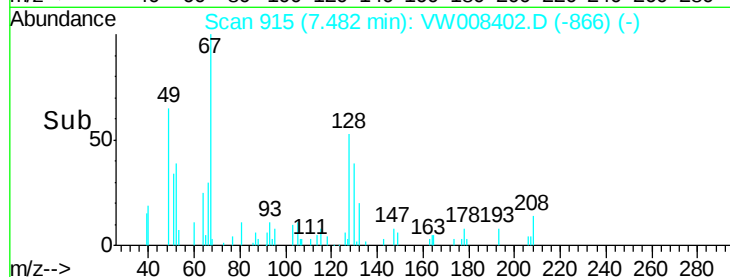
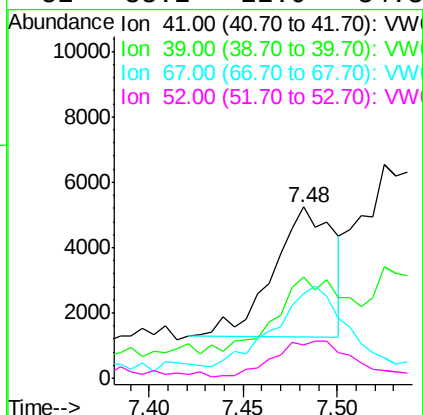
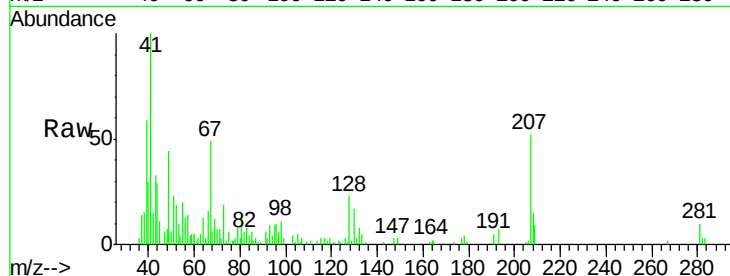
#41
Methacrylonitrile
Concen: 4.496 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	72.0	43.4	65.0	#
67	74.8	54.2	81.2	
52	33.2	22.9	34.3	

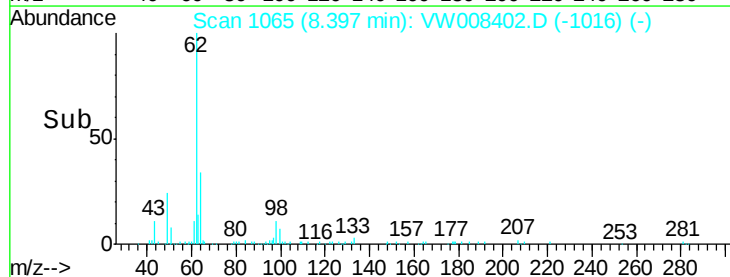
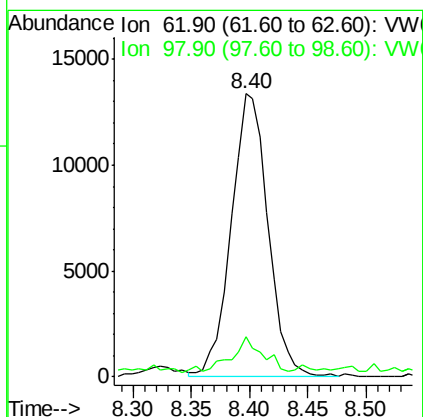
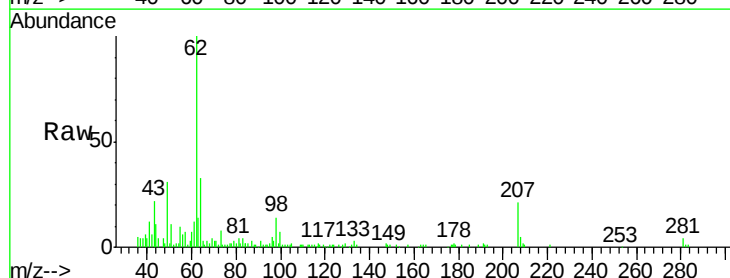
Manual Integrations
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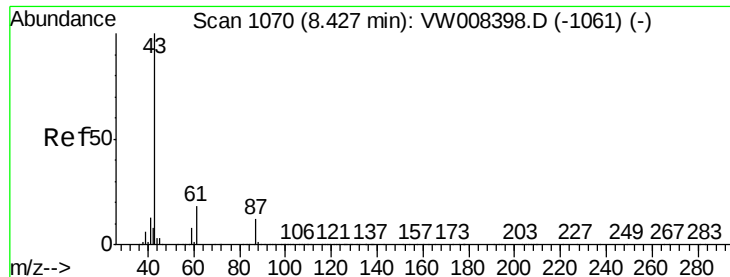
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#42
1,2-Dichloroethane
Concen: 4.510 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

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





#43

Isopropyl Acetate

Concen: 5.024 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

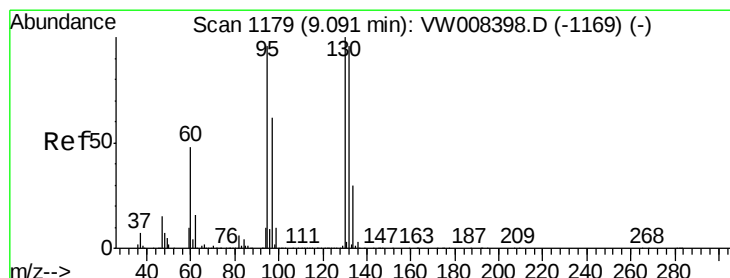
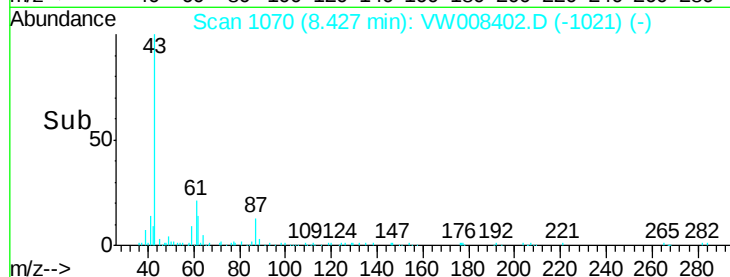
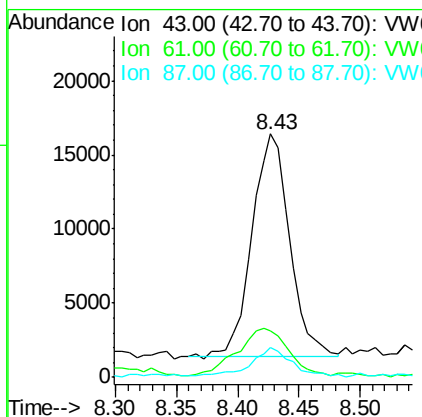
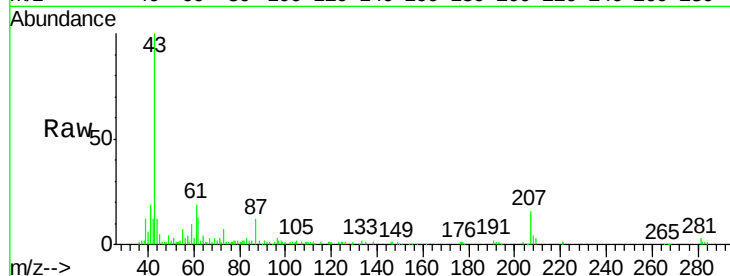
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	32225
Ion	Ratio	Lower	Upper
43	100		
61	29.0	22.0	33.0
87	15.1	9.3	13.9#

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#44

Trichloroethene

Concen: 4.453 ug/l

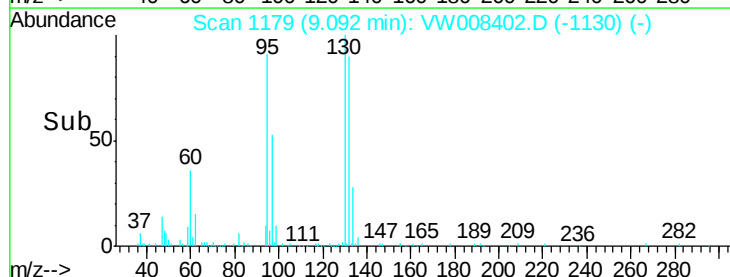
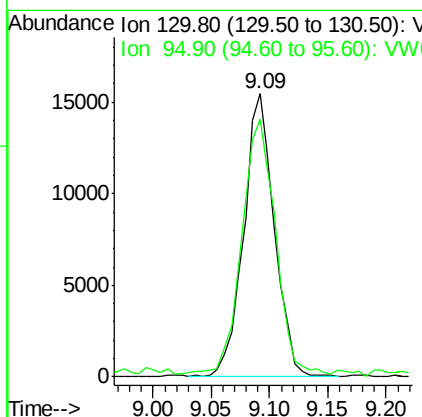
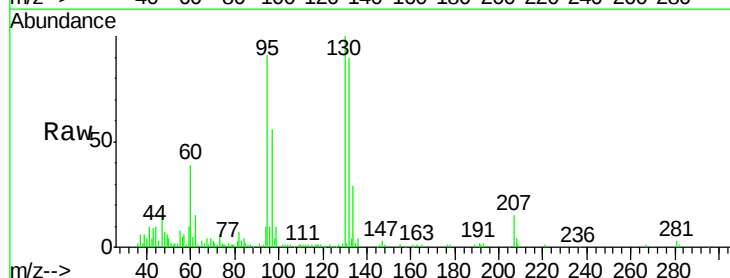
RT: 9.09 min Scan# 1179

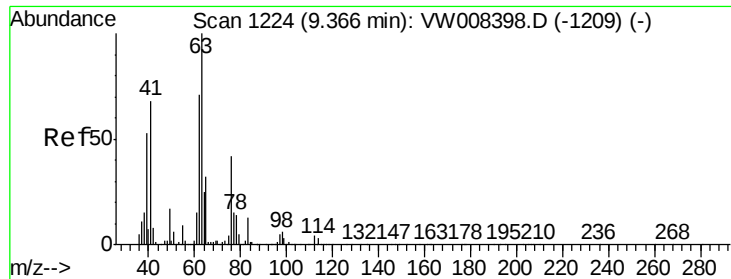
Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	130	Resp:	28458
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	191.6





#45

1,2-Dichloropropane

Concen: 4.270 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

Tot Ion: 63 Resp: 24739

Ion Ratio Lower Upper

63 100

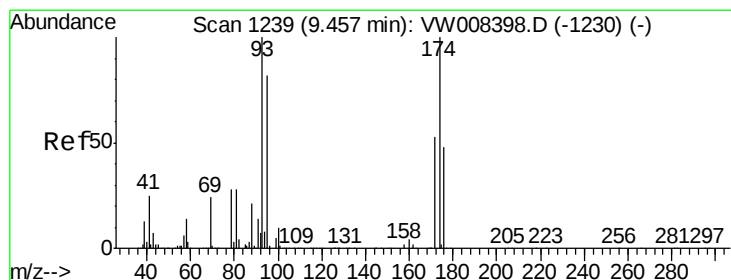
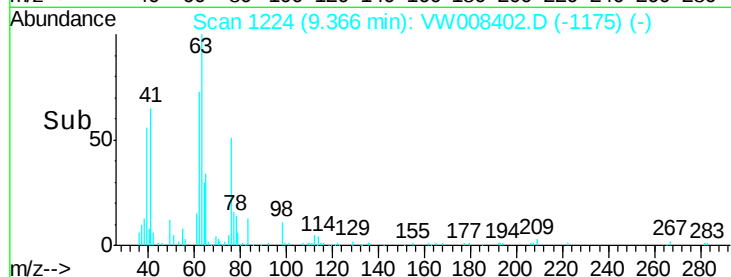
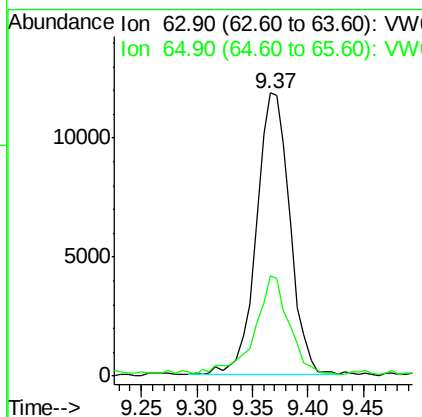
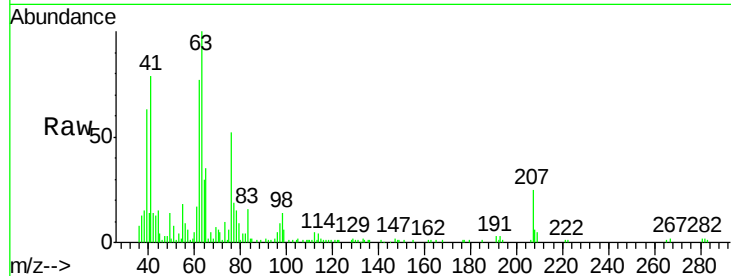
65 34.9 25.2 37.8

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#46

Dibromomethane

Concen: 4.359 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

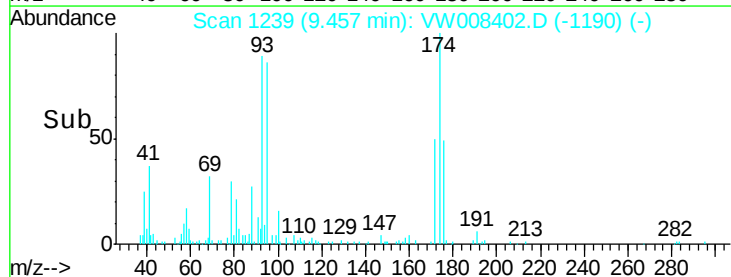
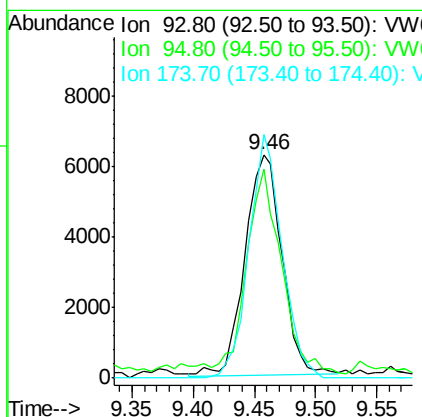
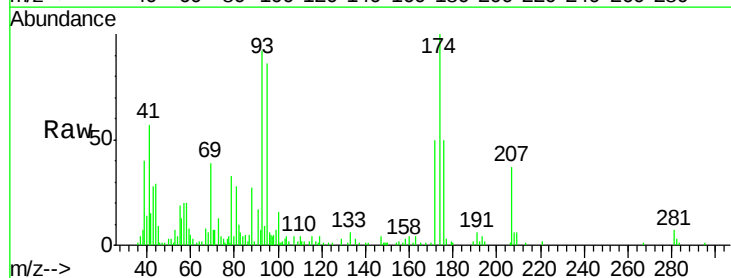
Tgt Ion: 93 Resp: 13162

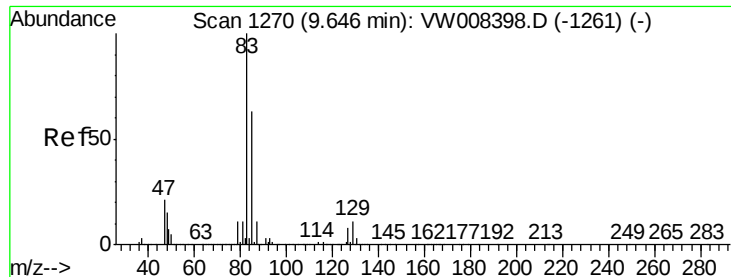
Ion Ratio Lower Upper

93 100

95 87.8 65.9 98.9

174 99.0 81.0 121.6





#47

Bromodichloromethane

Concen: 4.548 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

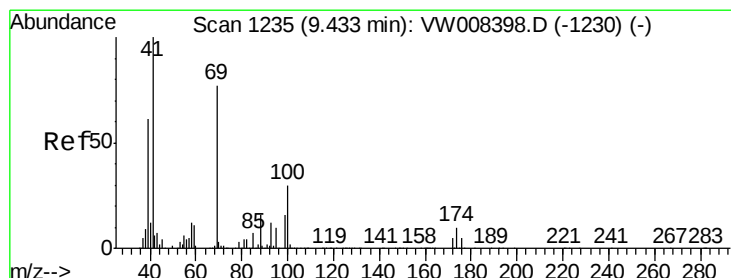
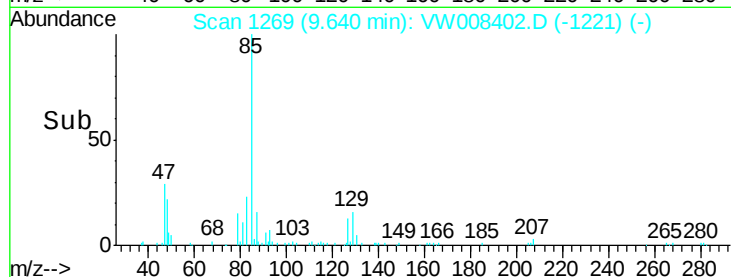
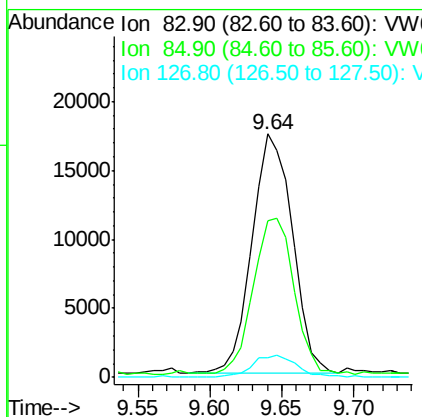
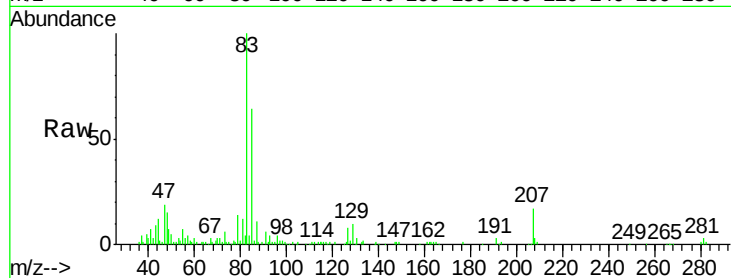
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33873
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.8	76.2
127	8.2	6.8	10.2

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#48

Methyl methacrylate

Concen: 4.968 ug/l

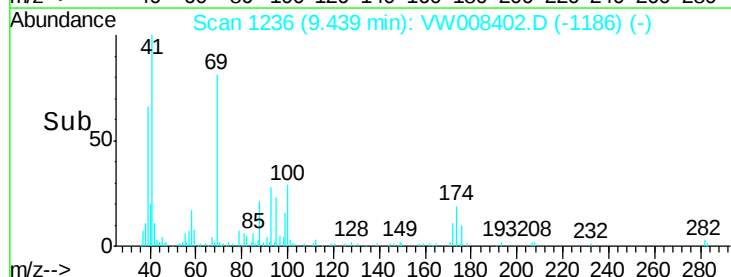
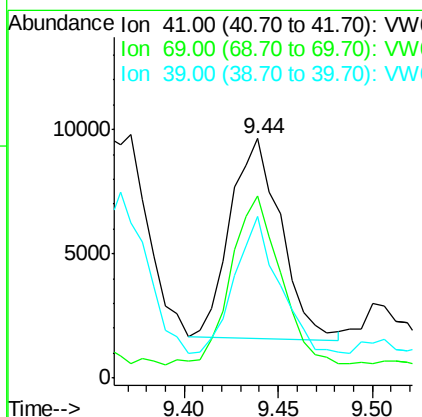
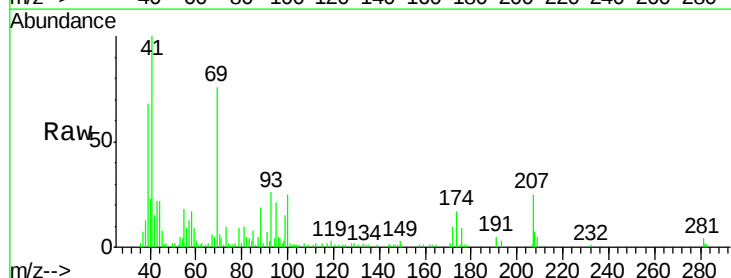
RT: 9.44 min Scan# 1236

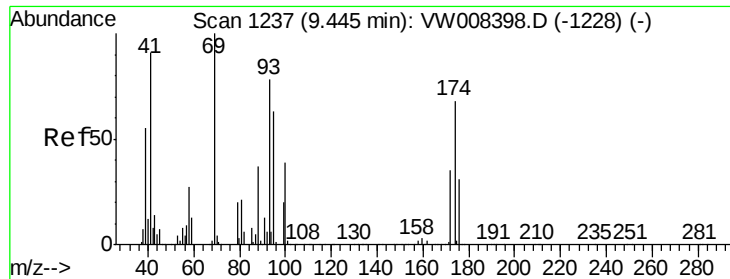
Delta R.T. 0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	41	Resp:	15002
Ion Ratio	Lower	Upper	
41	100		
69	84.0	64.8	97.2
39	60.2	49.1	73.7





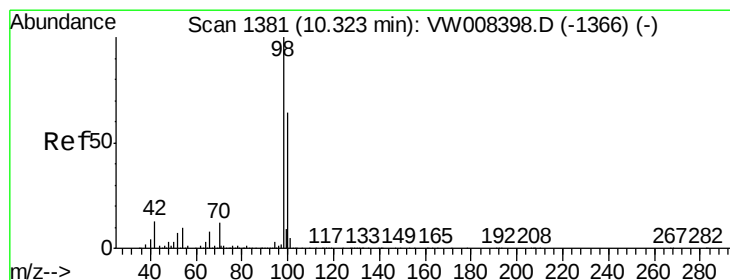
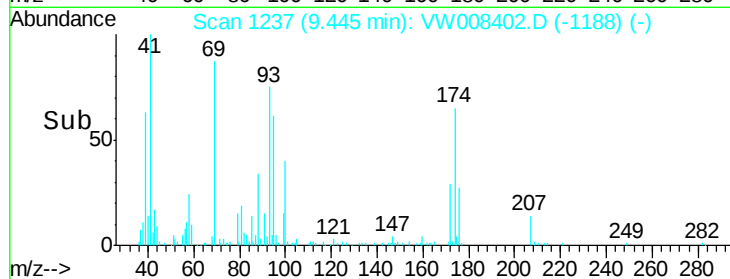
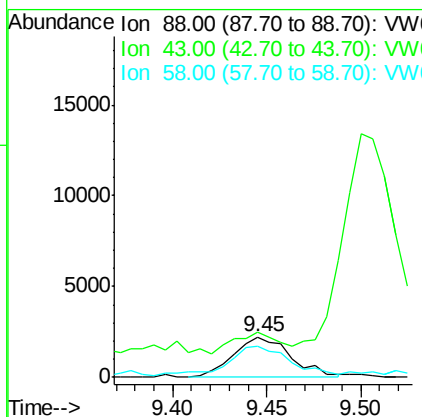
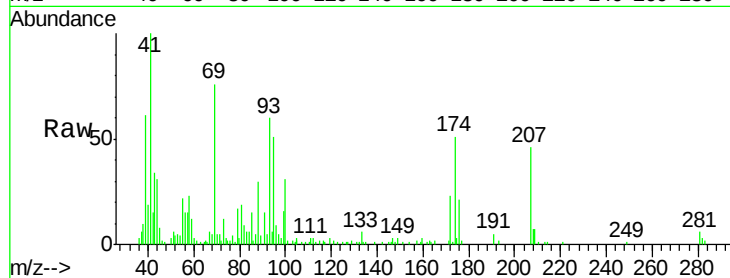
#49
1,4-Dioxane
Concen: 96.892 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	4710
Ion	Ratio	Lower	Upper
88	100		
43	39.7	29.0	43.4
58	75.2	56.4	84.6

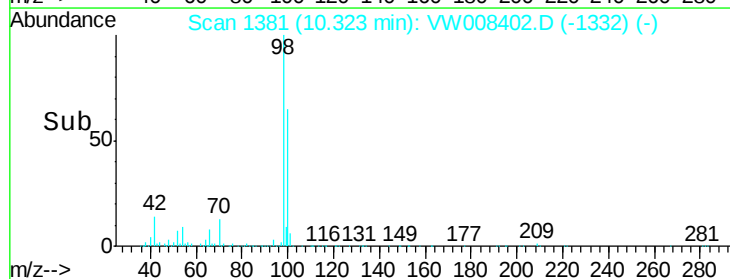
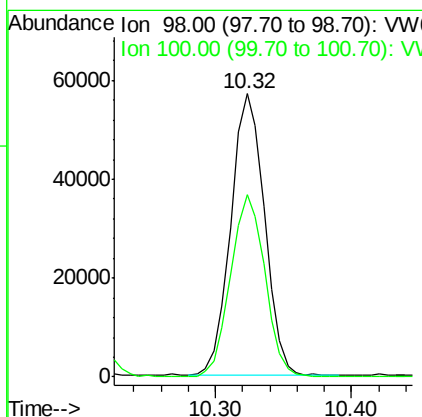
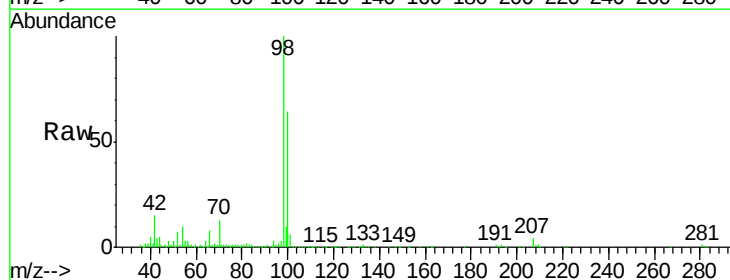
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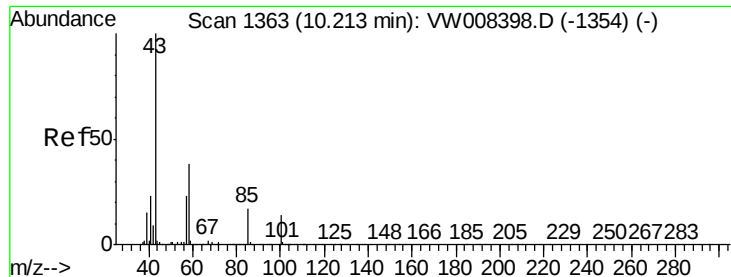
sam
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#50
Toluene-d8
Concen: 4.806 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	98	Resp	98631
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 25.238 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 81968

Ion Ratio Lower Upper

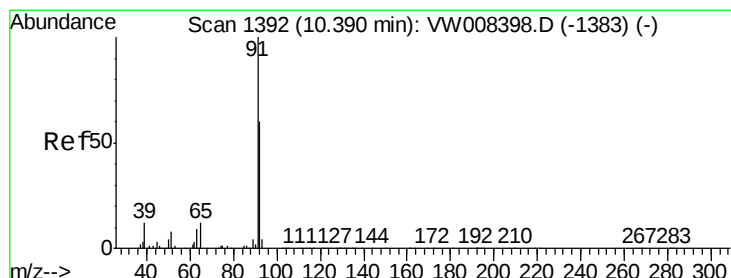
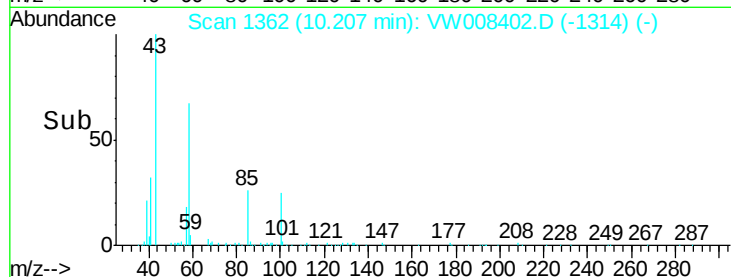
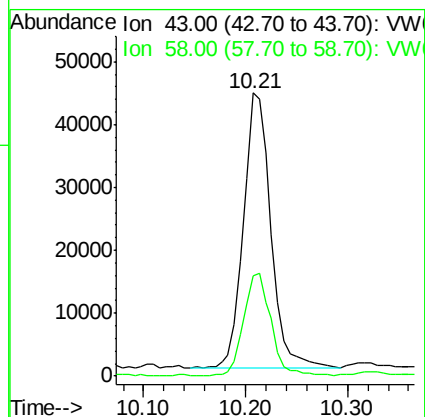
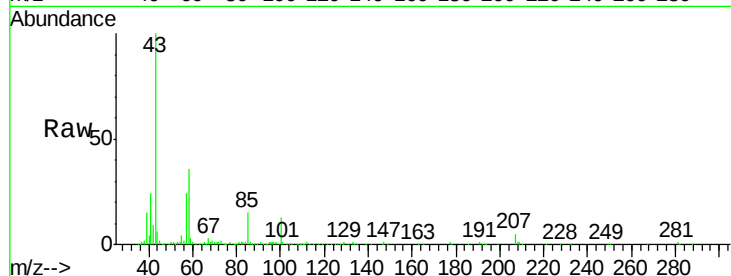
43 100

58 36.0 29.7 44.5

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#52

Toluene

Concen: 4.510 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008402.D

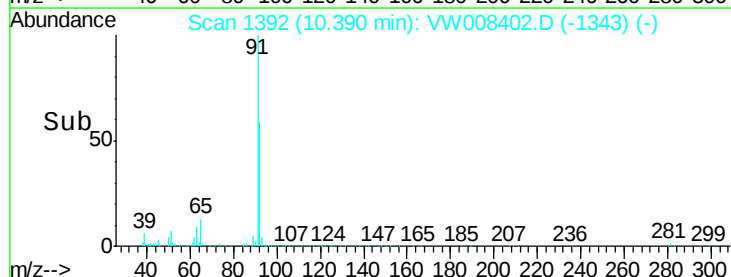
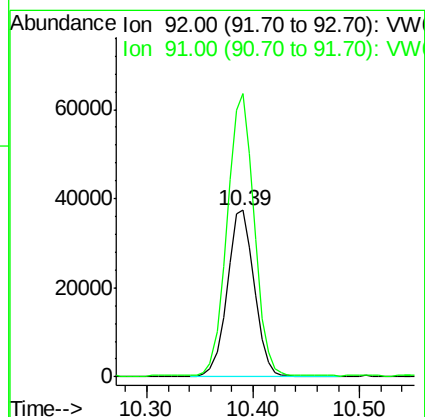
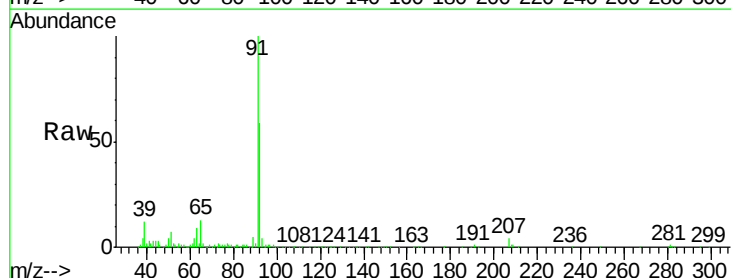
Acq: 24 Jan 2019 17:51

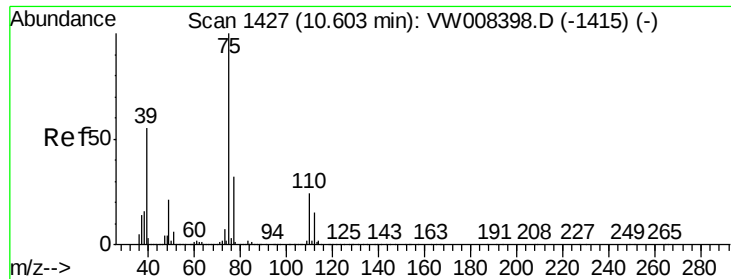
Tgt Ion: 92 Resp: 66577

Ion Ratio Lower Upper

92 100

91 167.5 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 4.636 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 34462

Ion Ratio Lower Upper

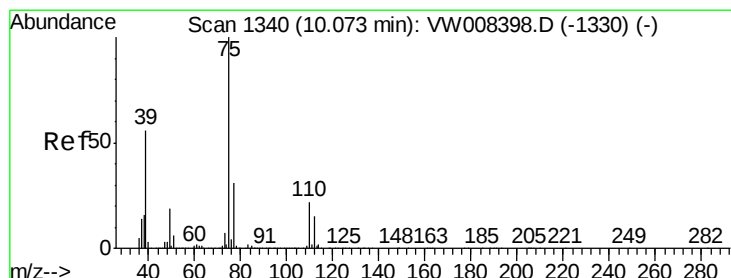
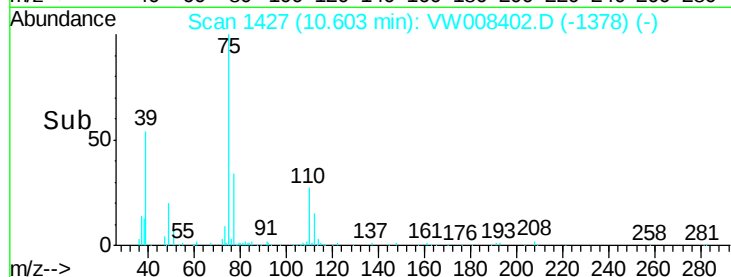
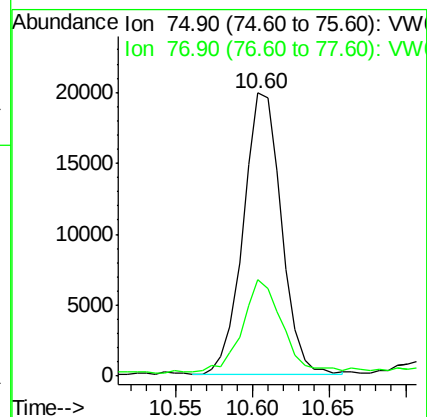
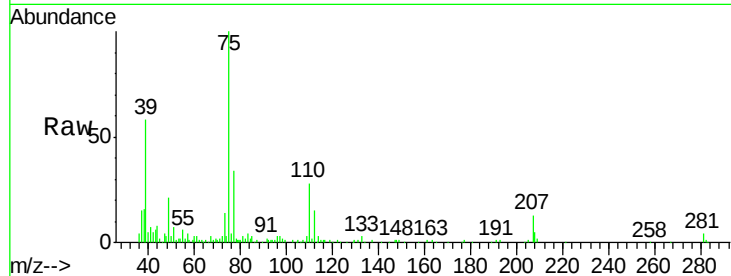
75 100

77 32.6 25.3 37.9

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#54

cis-1,3-Dichloropropene

Concen: 4.610 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

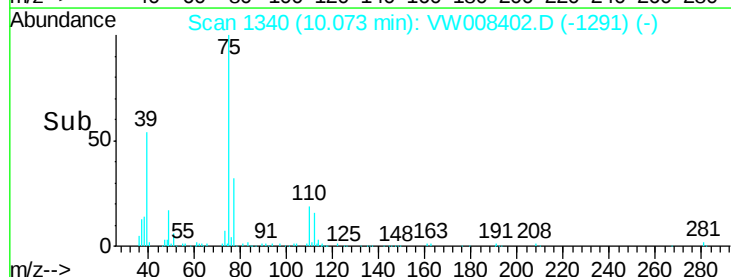
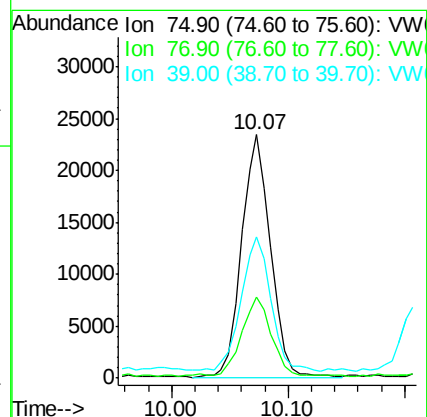
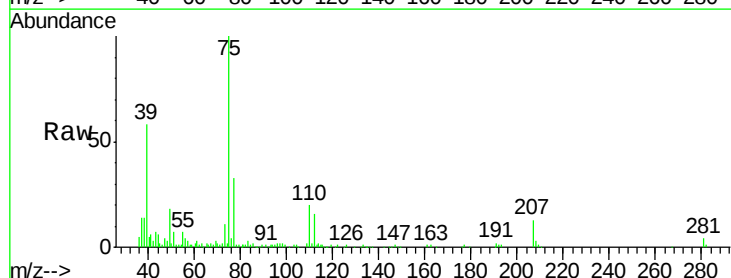
Tgt Ion: 75 Resp: 40398

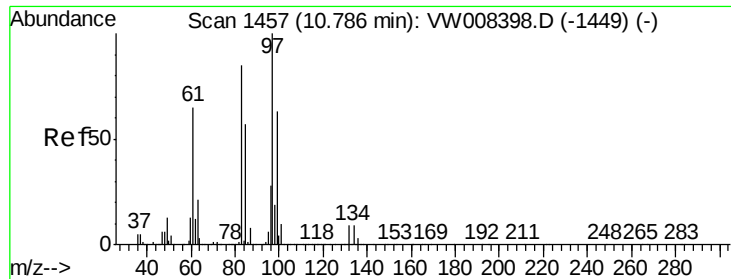
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 54.7 44.9 67.3





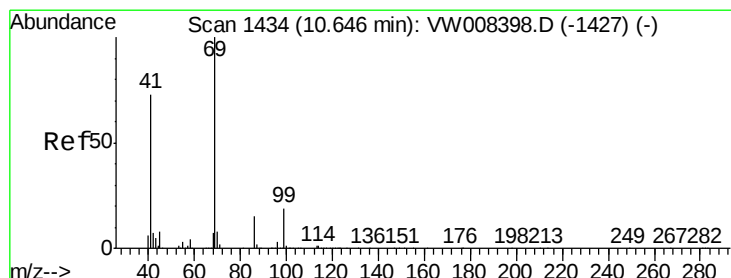
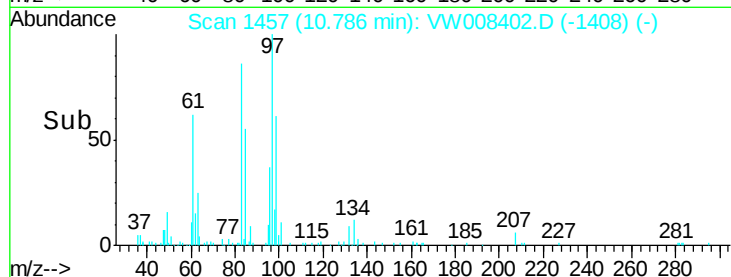
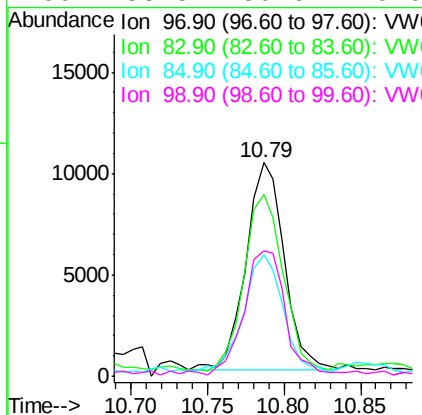
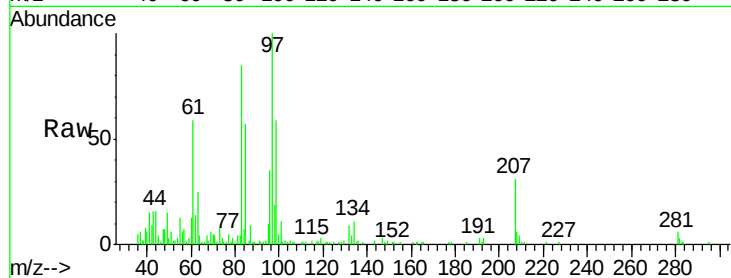
#55
 1,1,2-Trichloroethane
 Concen: 4.251 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17803
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.4	102.6
85	56.1	45.3	67.9
99	58.5	50.6	76.0

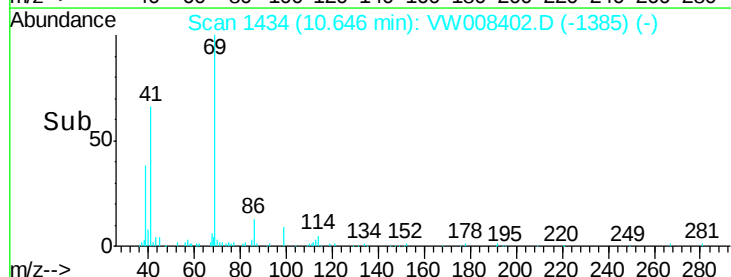
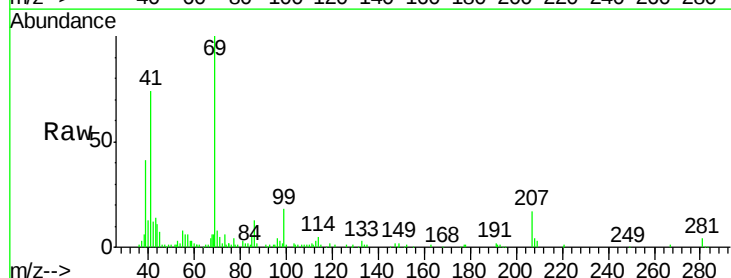
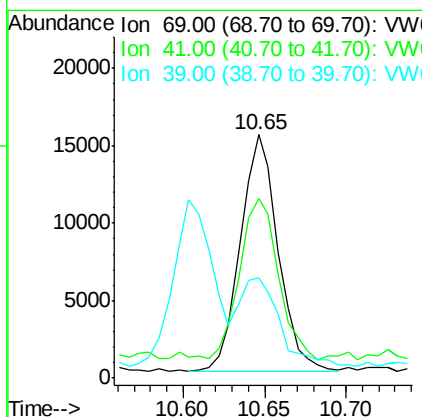
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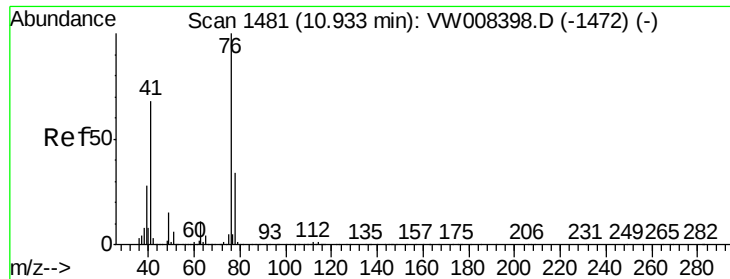
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#56
 Ethyl methacrylate
 Concen: 5.024 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Tgt Ion:	69	Resp:	24713
Ion	Ratio	Lower	Upper
69	100		
41	69.1	58.7	88.1
39	39.1	32.6	48.8





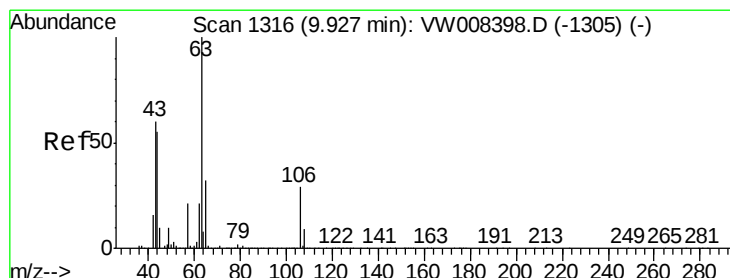
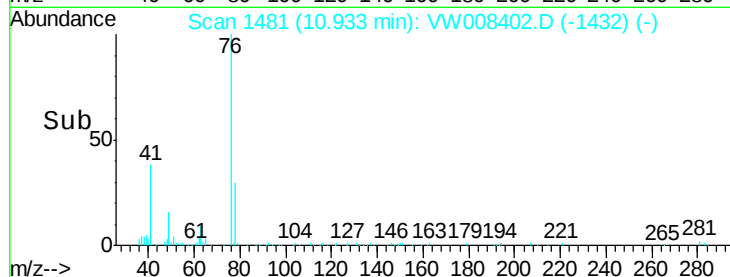
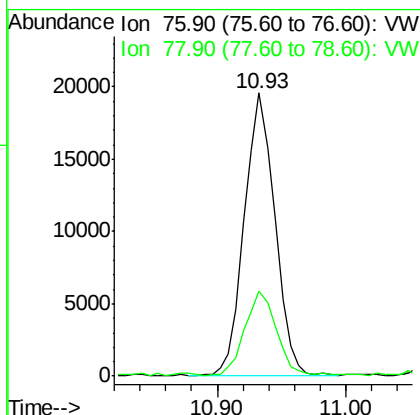
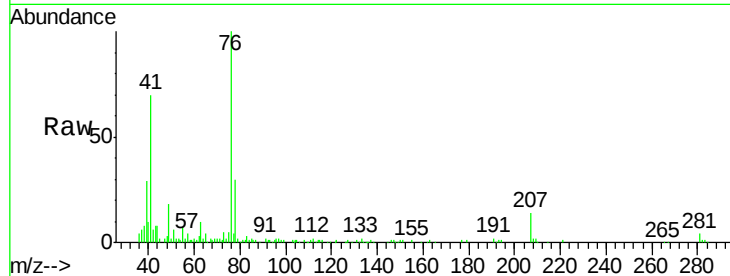
#57
 1,3-Dichloropropane
 Concen: 4.434 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.5	25.8	38.8

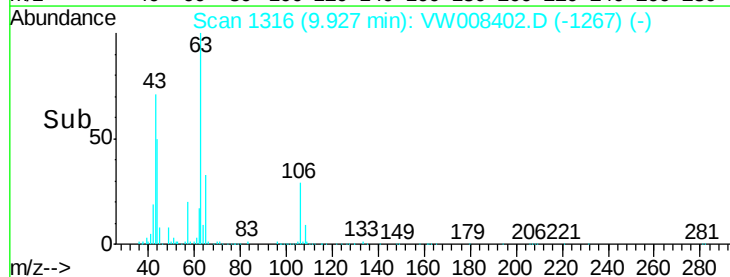
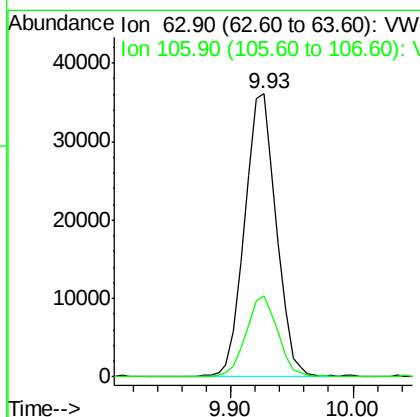
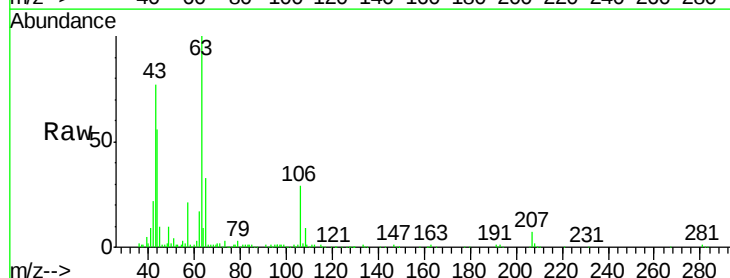
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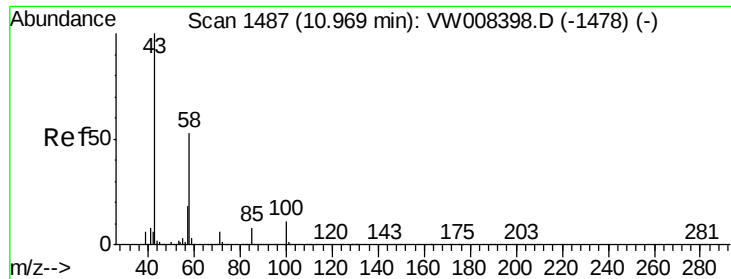
sam
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#58
 2-Chloroethyl Vinyl ether
 Concen: 27.482 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	22.4	33.6





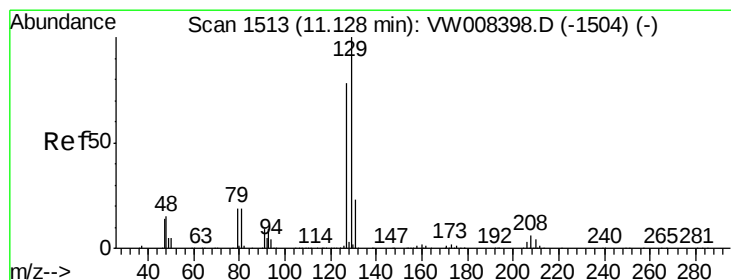
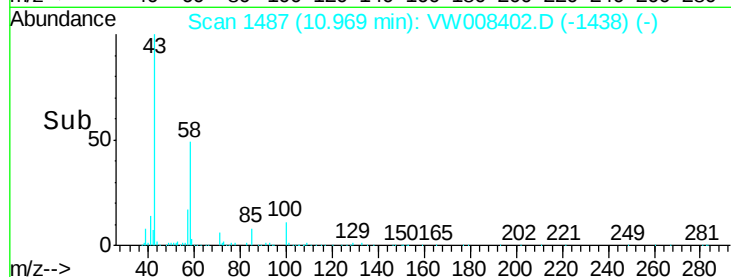
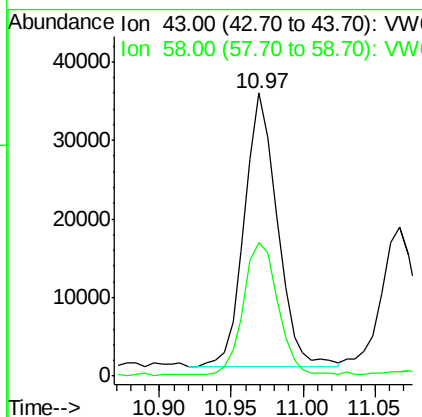
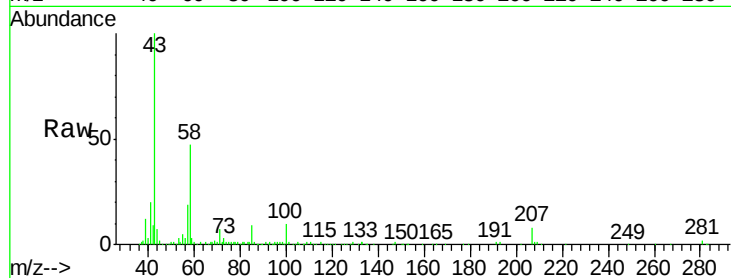
#59
2-Hexanone
Concen: 24.306 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 55311
Ion Ratio Lower Upper
43 100
58 50.0 25.9 77.7

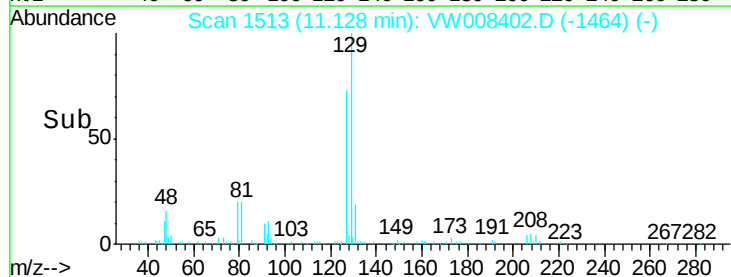
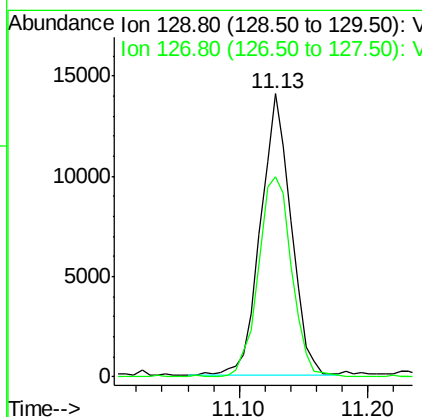
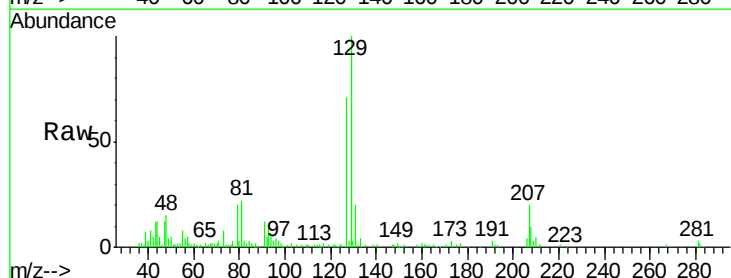
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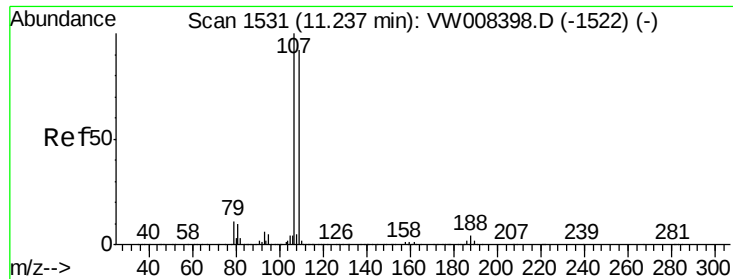
sam
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#60
Dibromochloromethane
Concen: 4.571 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion: 129 Resp: 22847
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





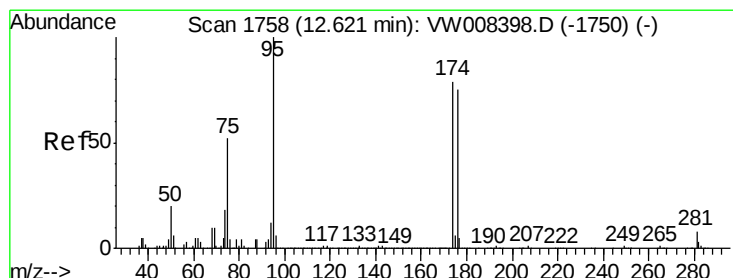
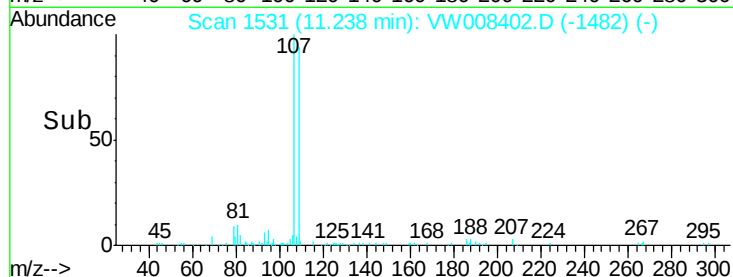
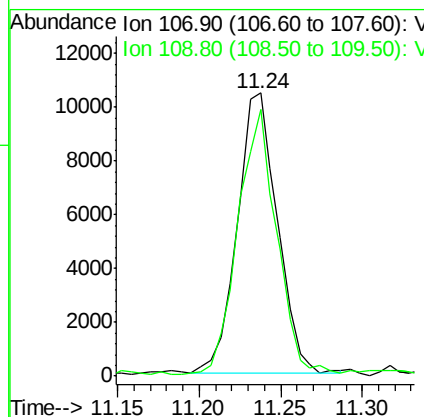
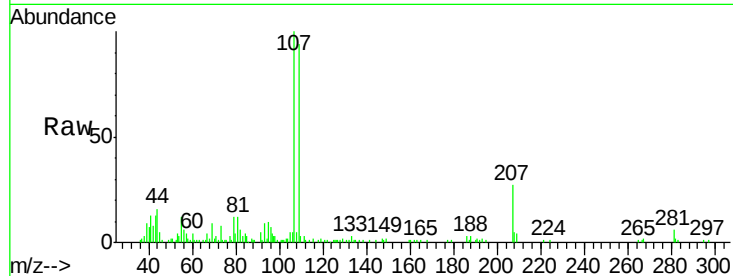
#61
 1,2-Dibromoethane
 Concen: 4.438 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 107 Resp: 18001
 Ion Ratio Lower Upper
 107 100
 109 90.8 75.0 112.4

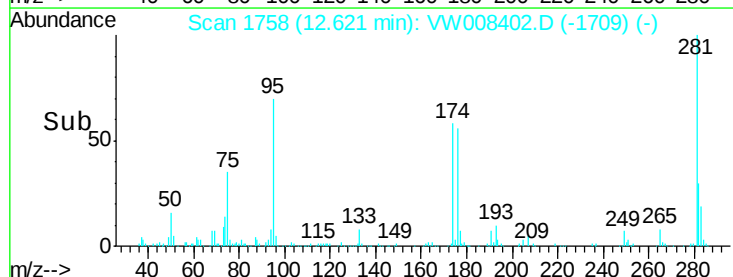
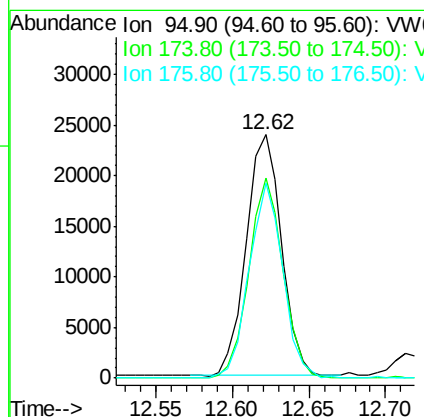
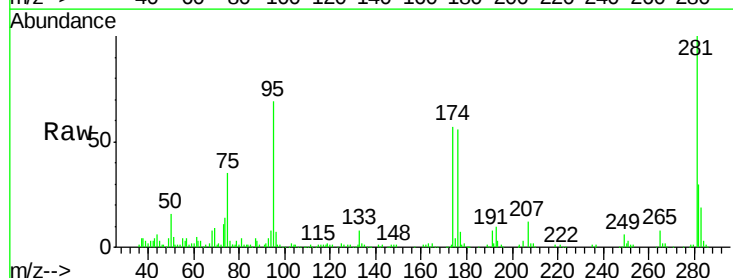
Manual Integrations
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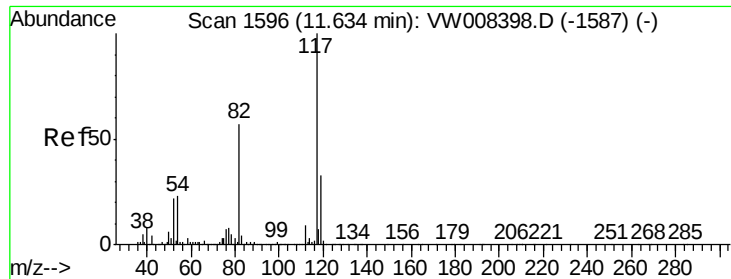
Sam
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#62
 4-Bromofluorobenzene
 Concen: 5.189 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Tgt Ion: 95 Resp: 38198
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 157.6
 176 77.3 0.0 151.8





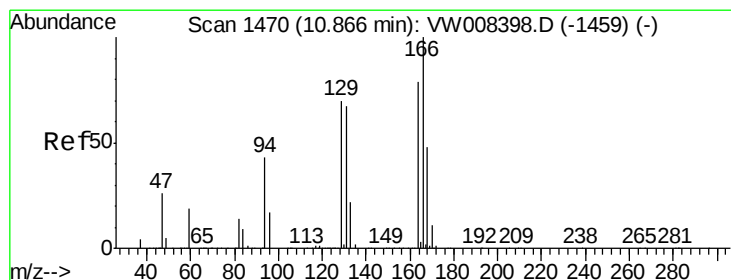
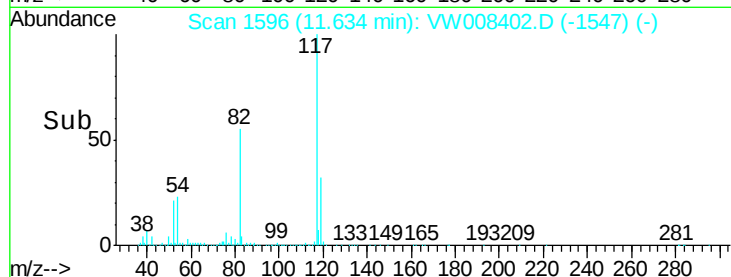
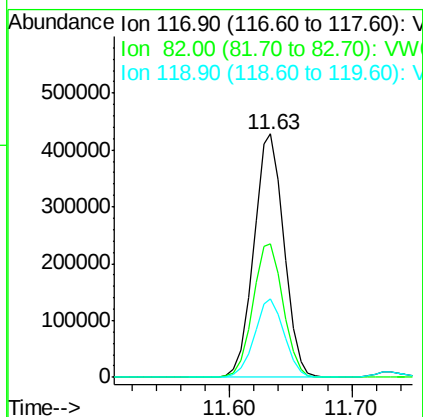
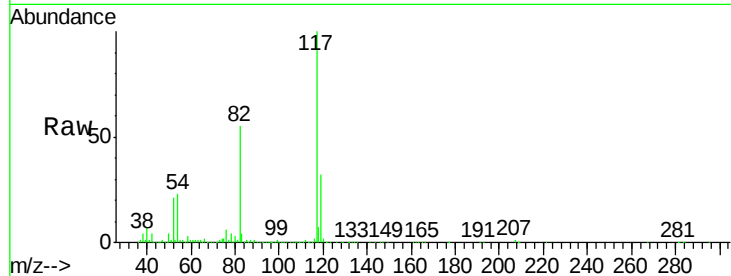
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.4	68.0
119	32.3	26.2	39.4

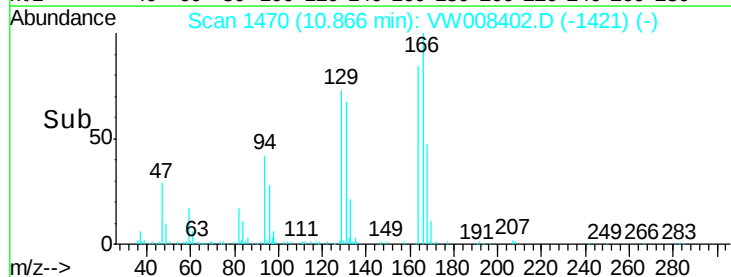
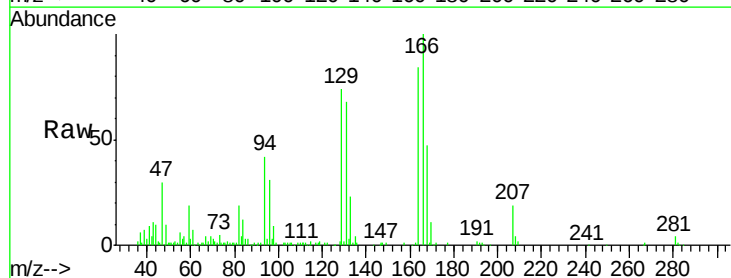
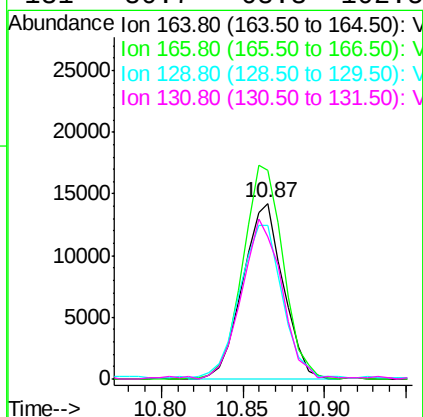
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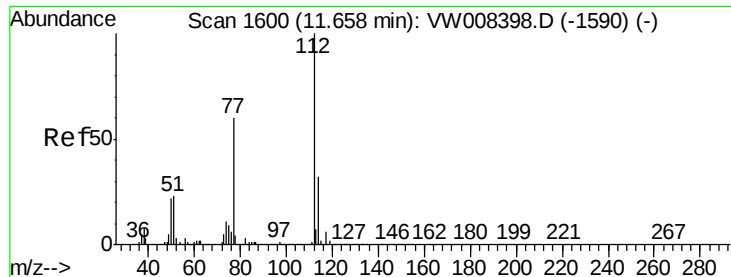
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#64
Tetrachloroethene
Concen: 4.790 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.4	101.4	152.0
129	86.5	71.0	106.6
131	80.7	68.3	102.5





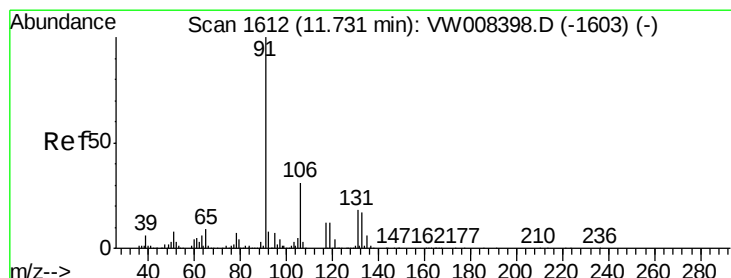
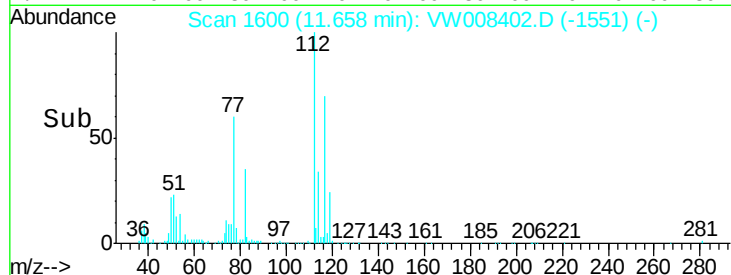
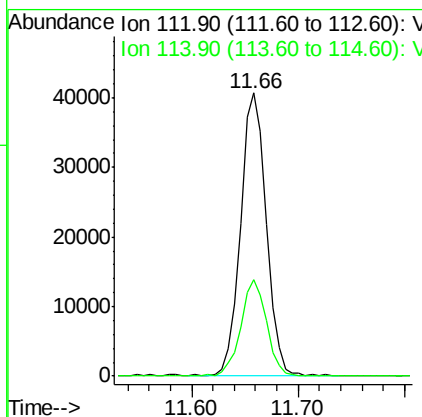
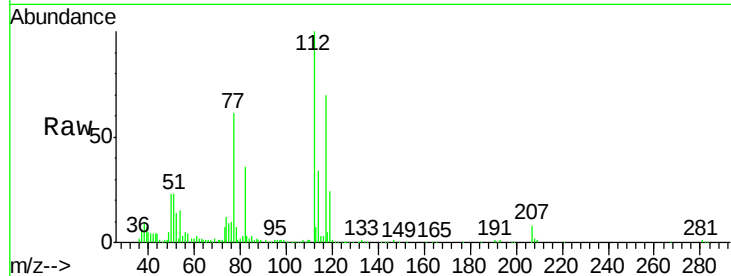
#65
Chlorobenzene
Concen: 4.341 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 69201
Ion Ratio Lower Upper
112 100
114 34.3 25.4 38.2

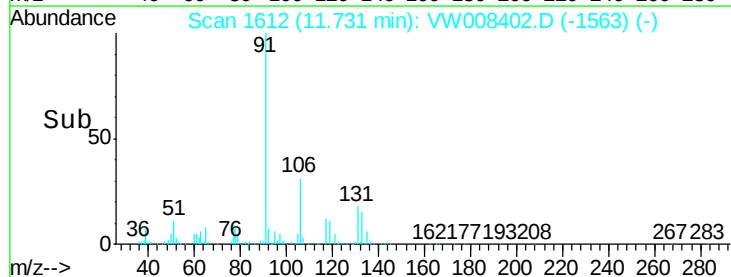
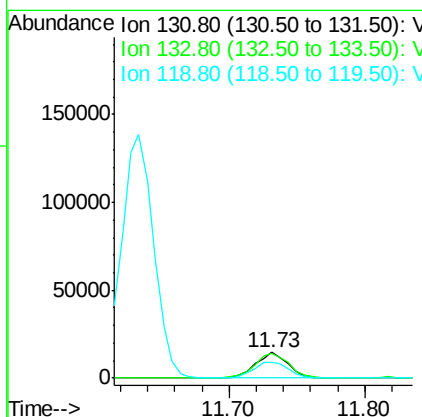
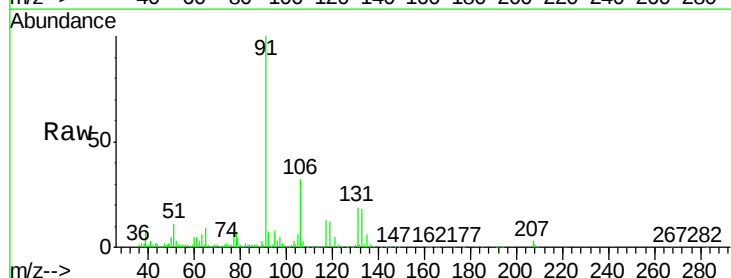
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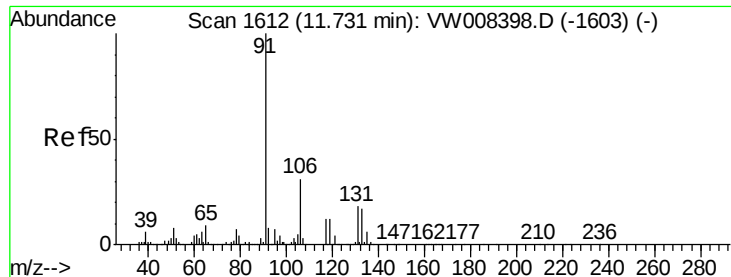
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.467 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion:131 Resp: 24512
Ion Ratio Lower Upper
131 100
133 95.9 47.0 141.2
119 65.4 32.1 96.3





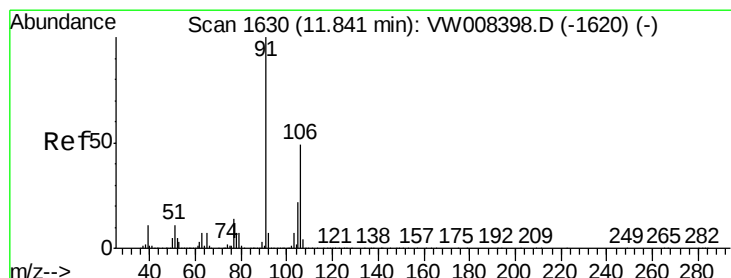
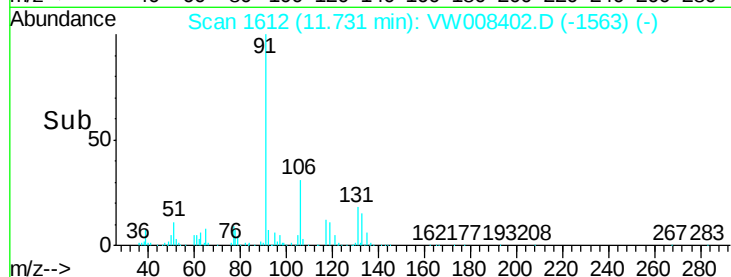
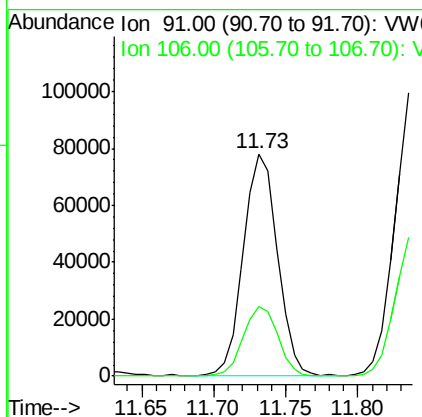
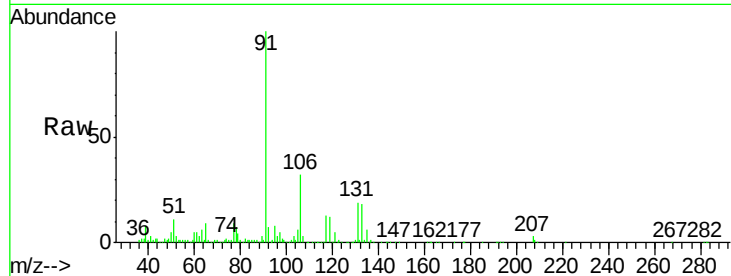
#67
Ethyl Benzene
Concen: 4.602 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 127380
Ion Ratio Lower Upper
91 100
106 31.6 24.7 37.1

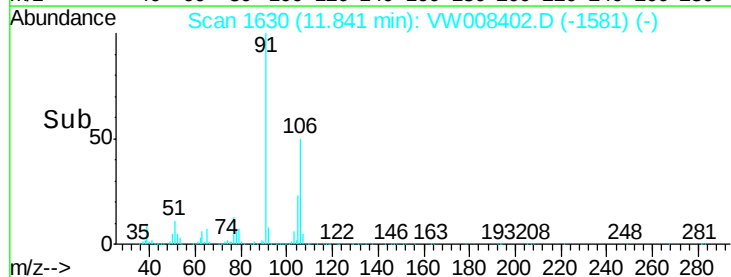
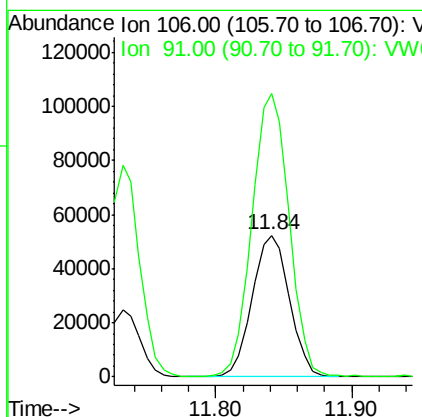
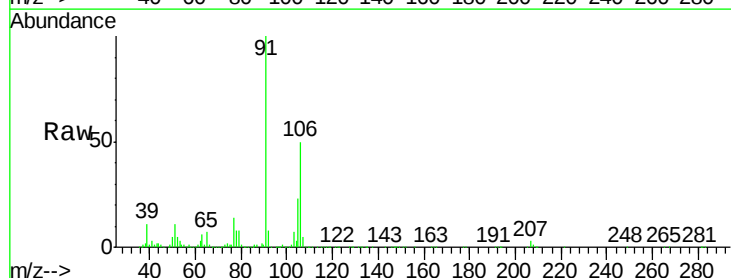
Manual Integrations
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#68
m/p-Xylenes
Concen: 9.282 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion: 106 Resp: 99727
Ion Ratio Lower Upper
106 100
91 200.2 162.9 244.3





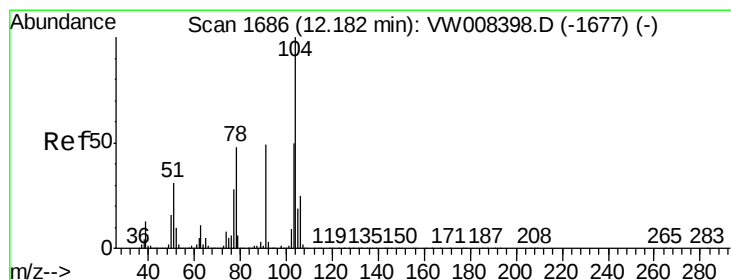
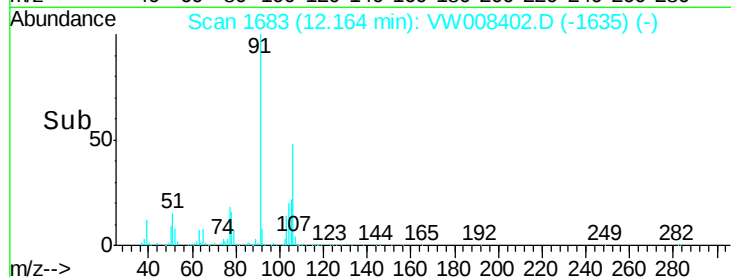
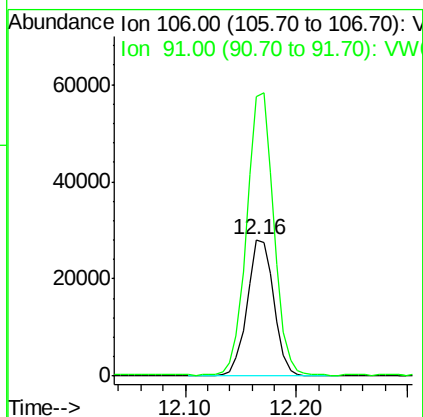
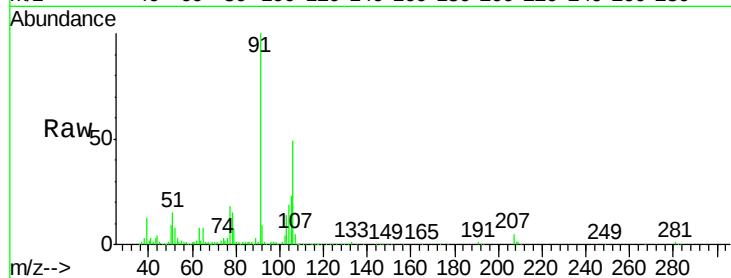
#69
o-Xylene
Concen: 4.657 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 46749
Ion Ratio Lower Upper
106 100
91 210.7 107.5 322.4

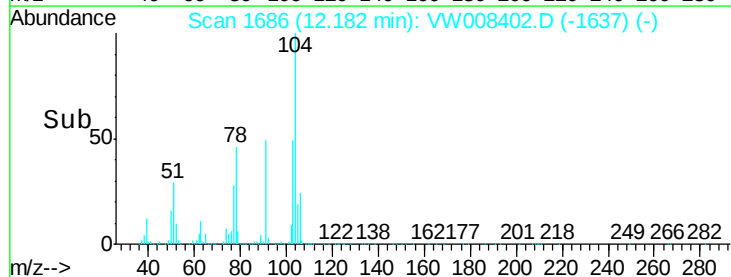
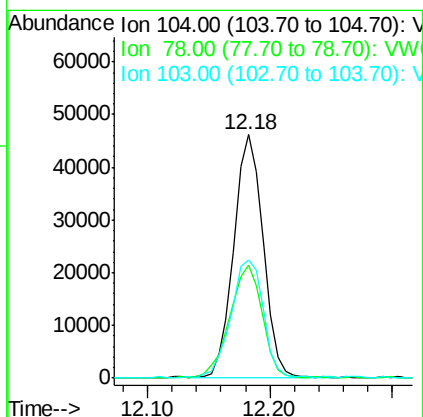
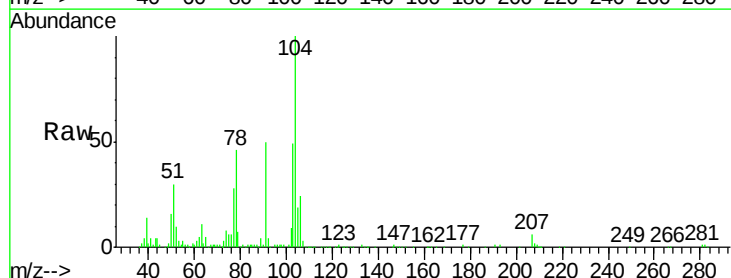
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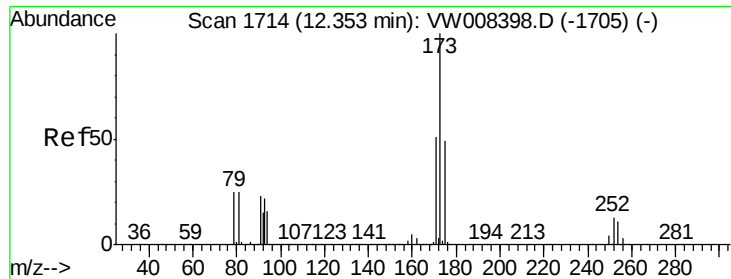
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#70
Styrene
Concen: 4.708 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion:104 Resp: 75916
Ion Ratio Lower Upper
104 100
78 52.1 42.4 63.6
103 53.6 43.4 65.0





#71

Bromoform

Concen: 4.935 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

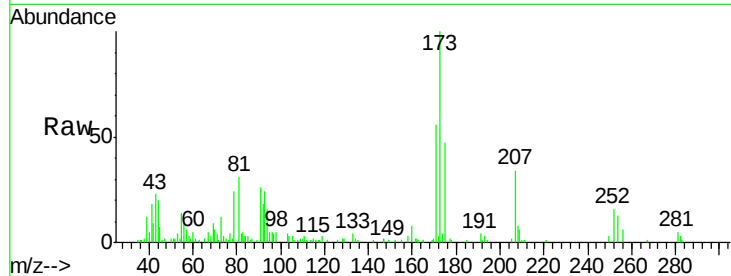
ClientSampleId :

VSTDIC005

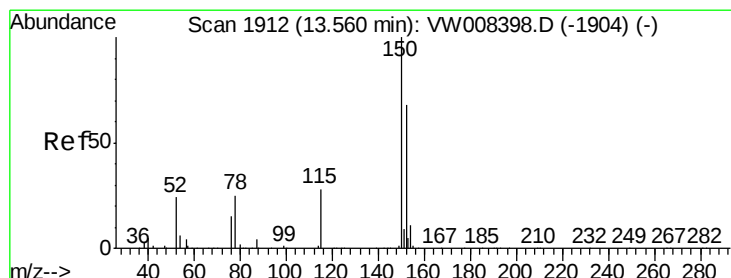
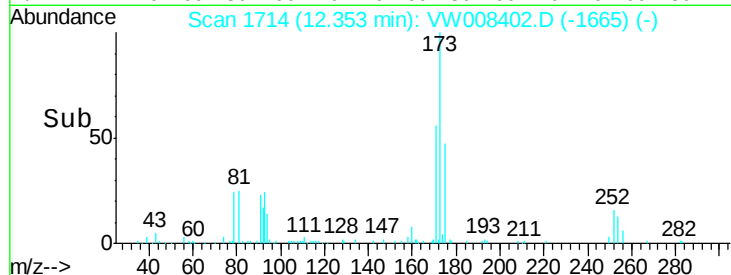
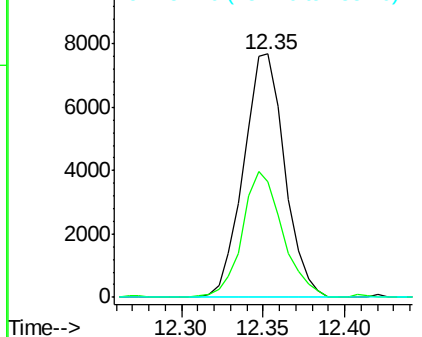
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.4	73.4
254	0.0	0.2	0.2

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

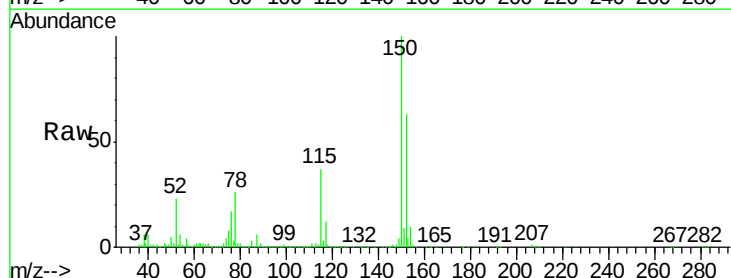
RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

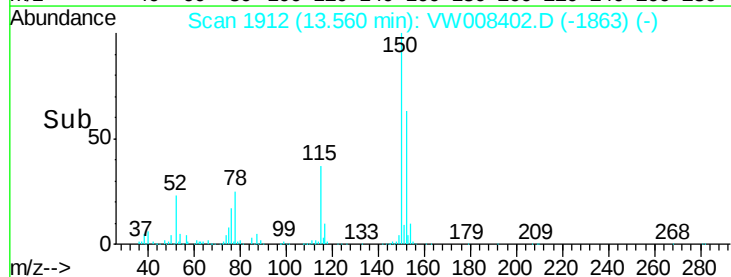
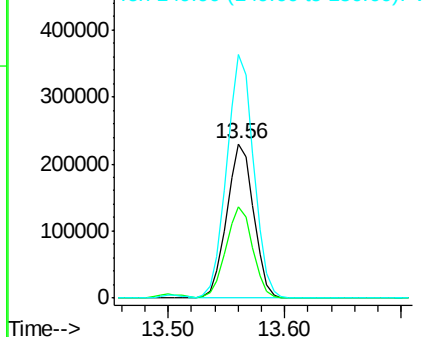
Lab File: VW008402.D

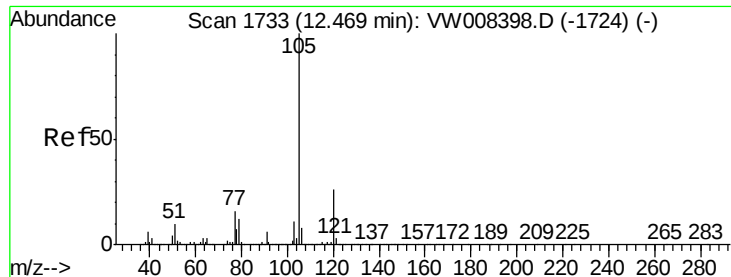
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.9	89.7
150	158.3	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





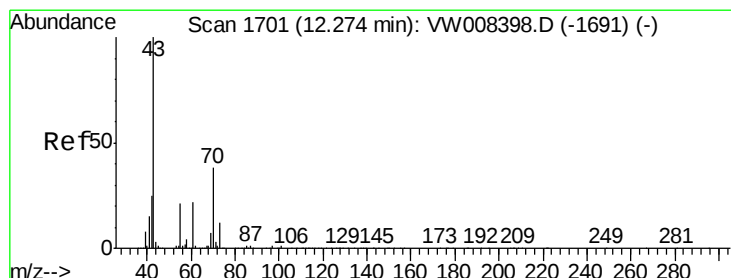
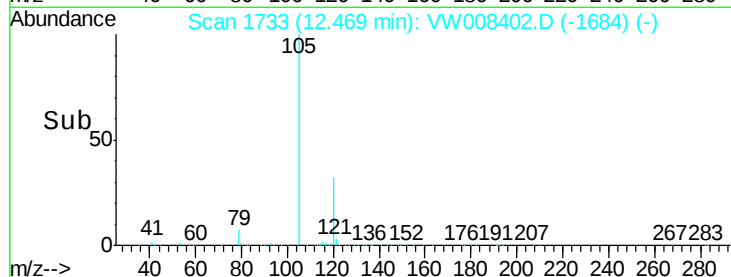
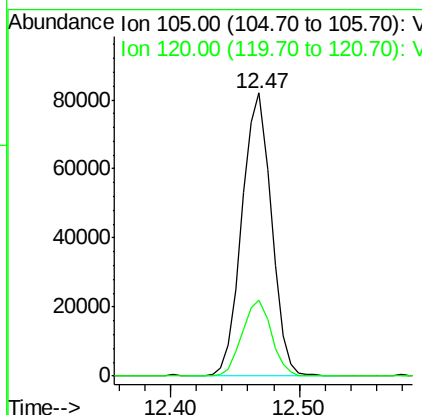
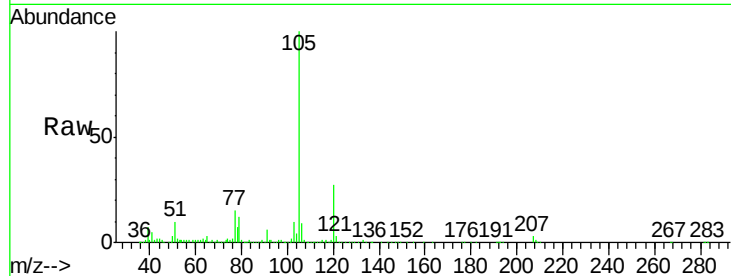
#73
Isopropylbenzene
Concen: 4.820 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.8

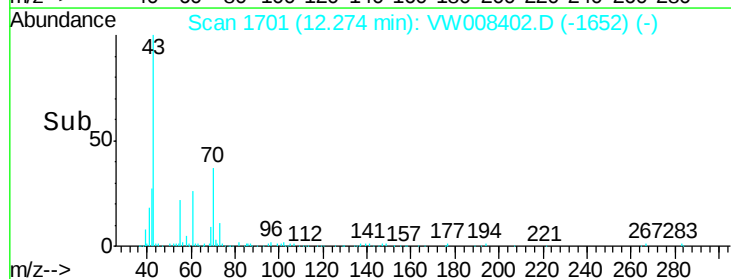
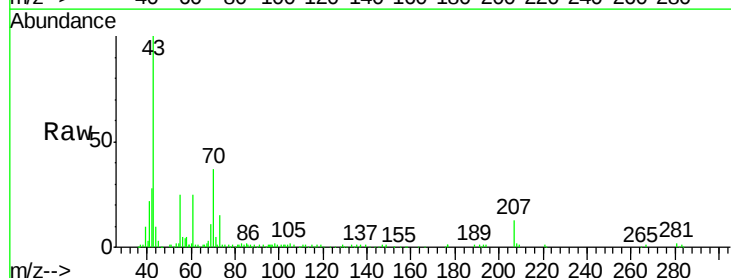
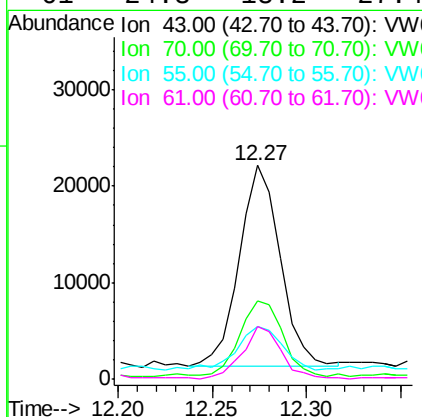
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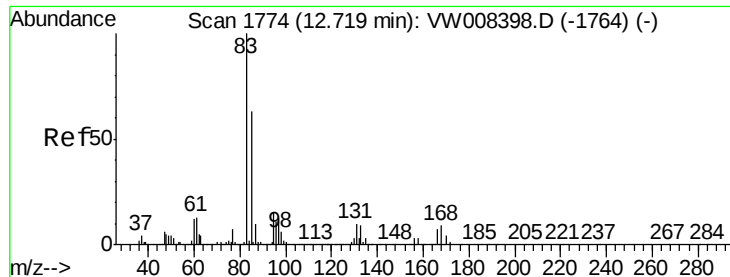
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#74
N-ethyl acetate
Concen: 5.436 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.0	31.0	46.6
55	25.7	17.4	26.2
61	24.3	18.2	27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.339 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

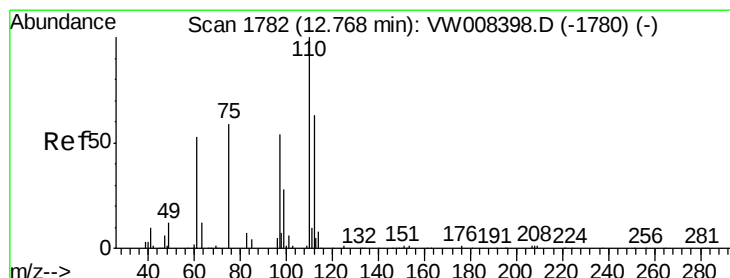
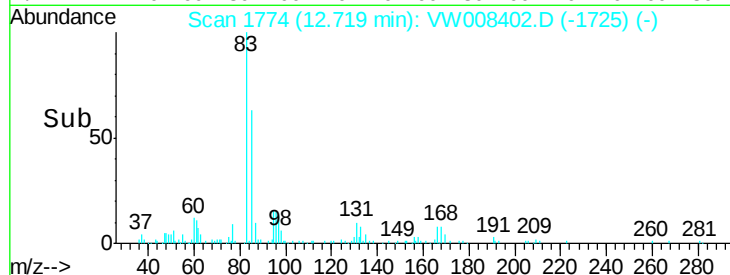
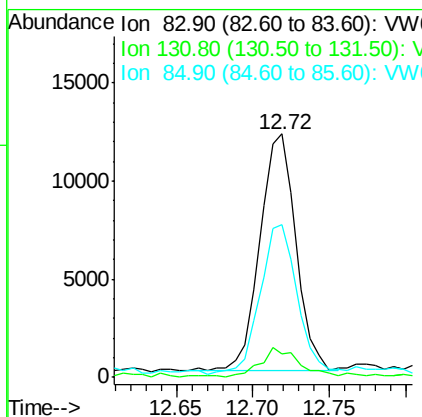
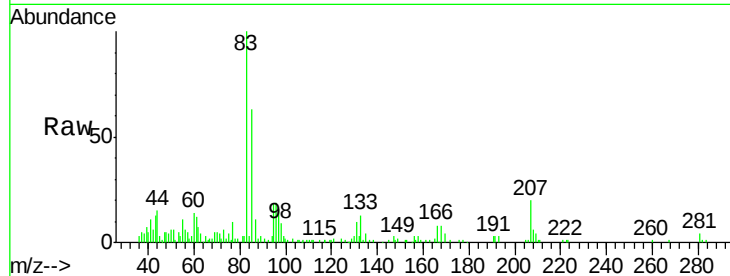
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	19763
Ion Ratio	Lower	Upper	
83	100		
131	13.4	5.5	16.4
85	66.1	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.455 ug/l m

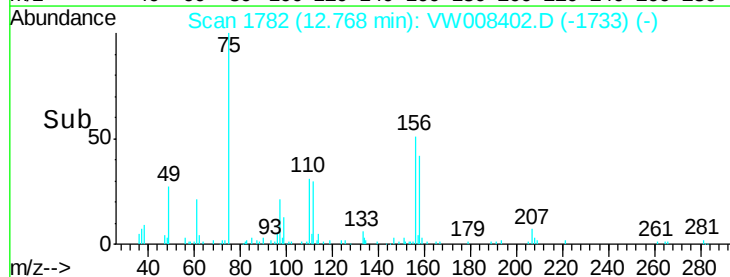
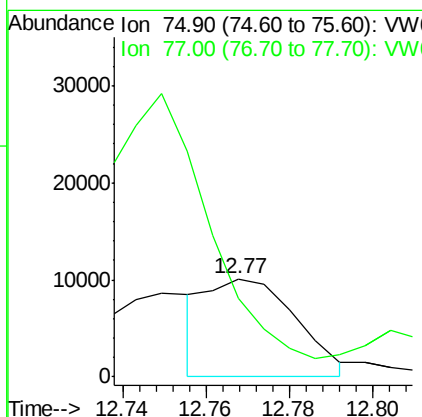
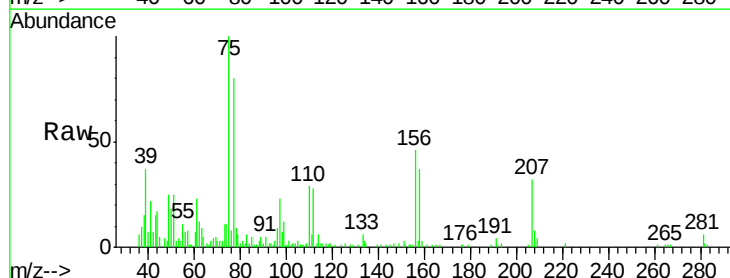
RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	75	Resp:	14912
Ion Ratio	Lower	Upper	
75	100		
77	358.8	180.7	542.1





#77

Bromobenzene

Concen: 4.571 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

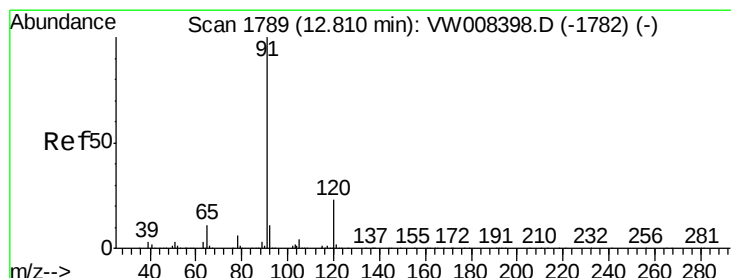
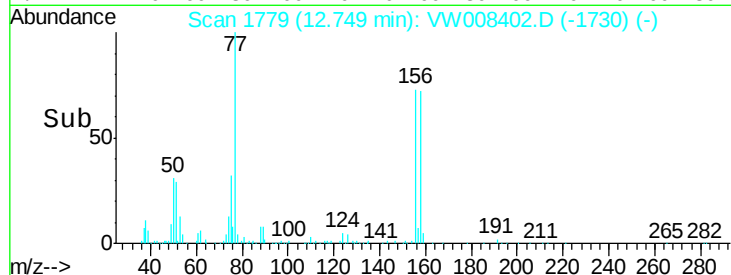
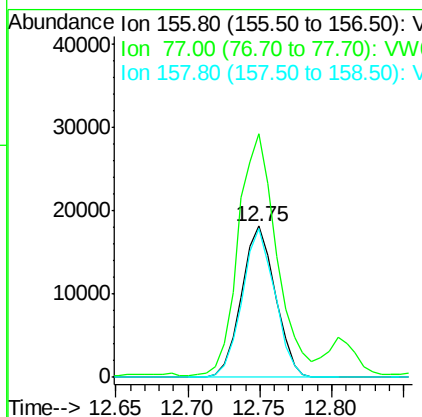
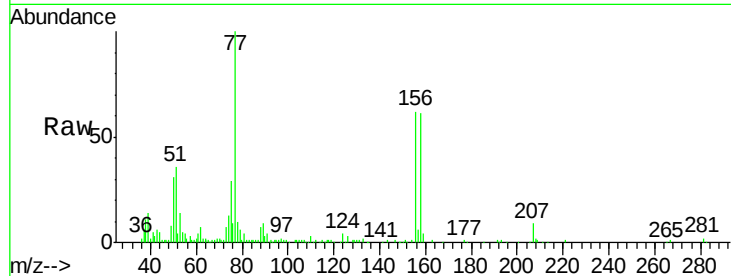
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	29404
Ion Ratio	Lower	Upper	
156	100		
77	181.9	96.9	290.7
158	95.5	48.8	146.4

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#78

n-propylbenzene

Concen: 4.781 ug/l

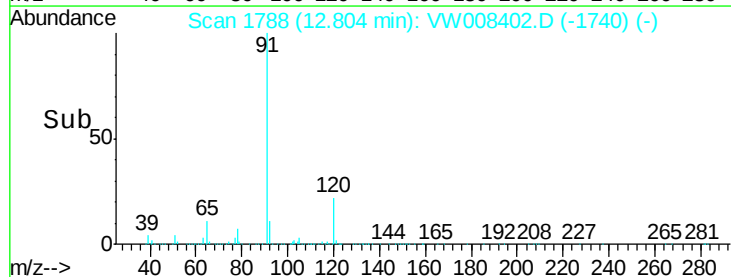
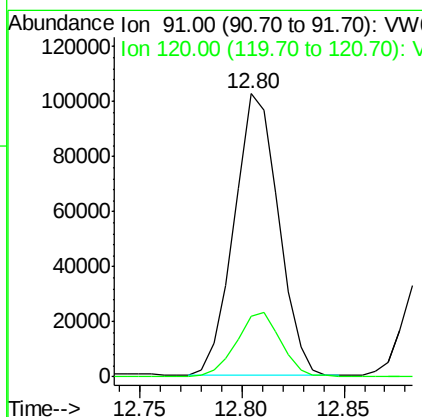
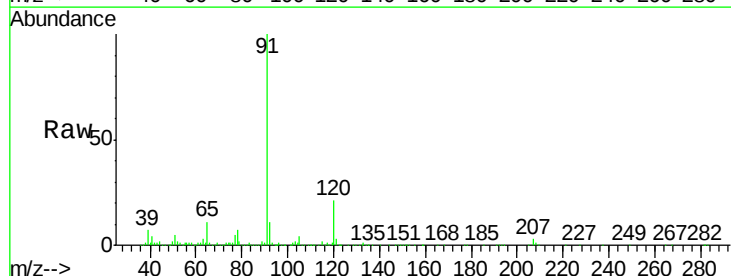
RT: 12.80 min Scan# 1788

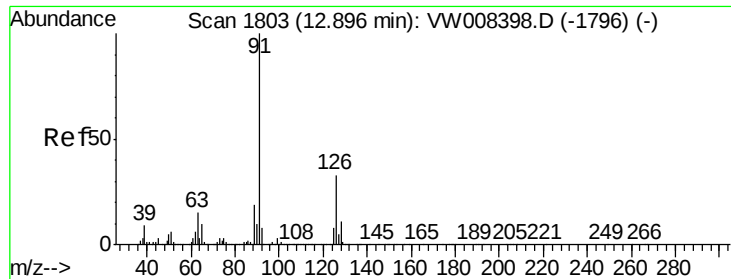
Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	91	Resp:	154956
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.1





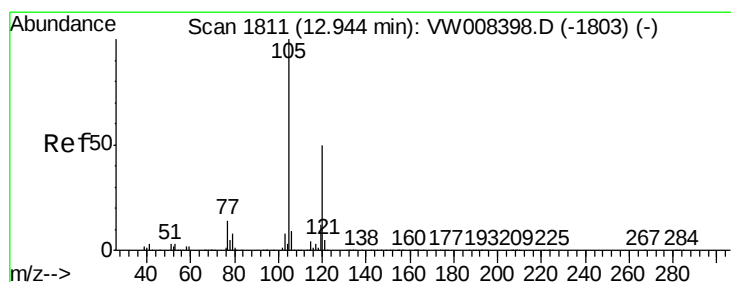
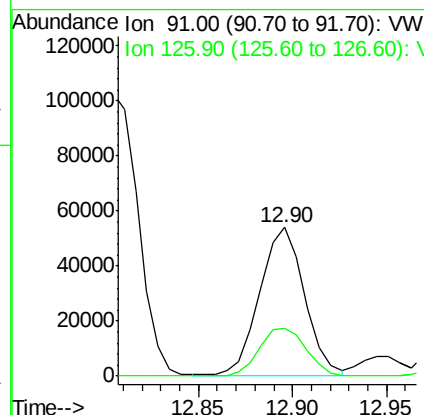
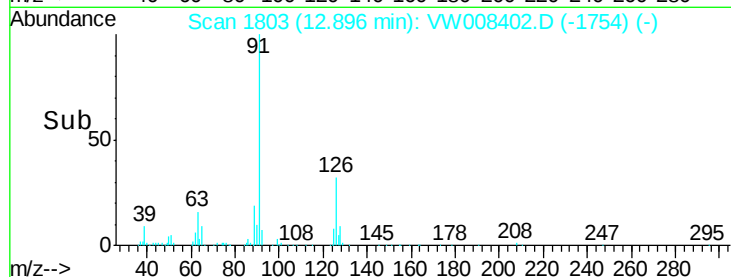
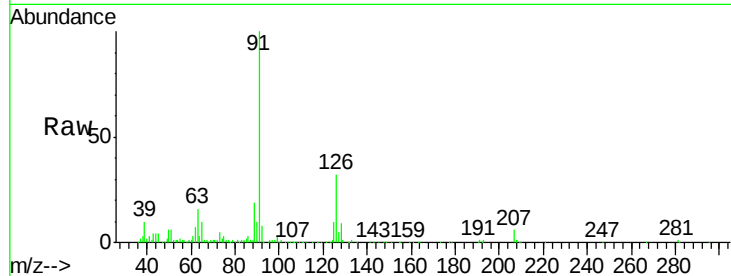
#79
 2-Chlorotoluene
 Concen: 4.744 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 87852
 Ion Ratio Lower Upper
 91 100
 126 34.8 16.5 49.5

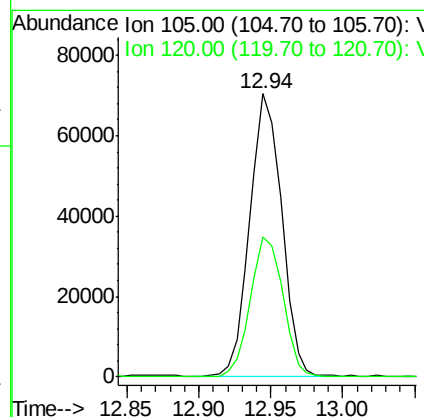
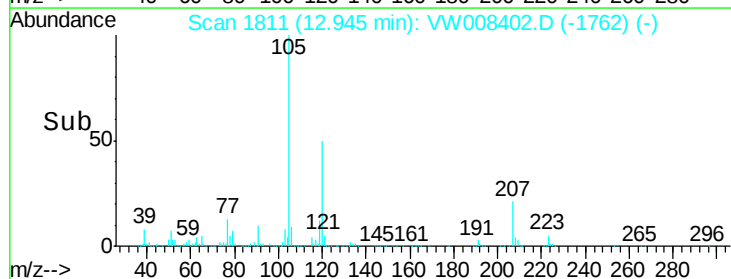
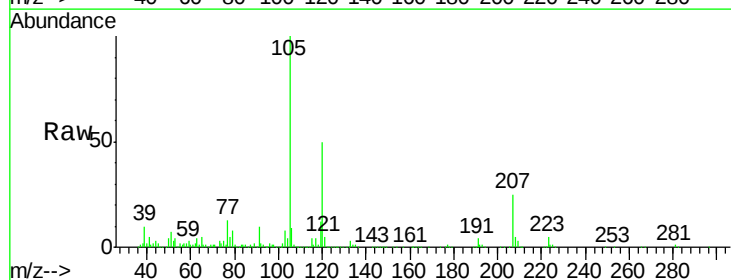
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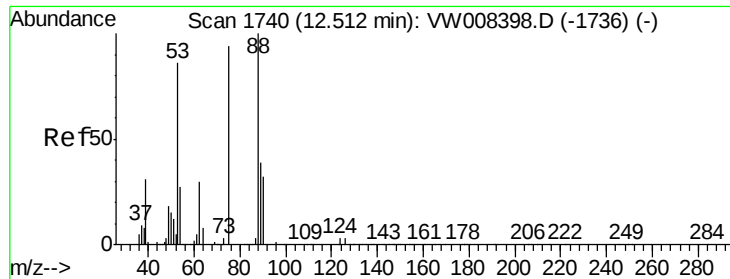
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.816 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Tgt Ion: 105 Resp: 107629
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.6 73.8





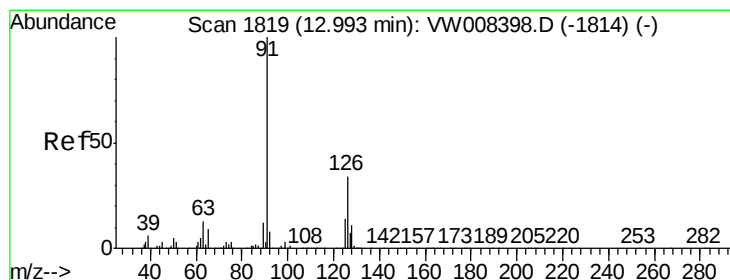
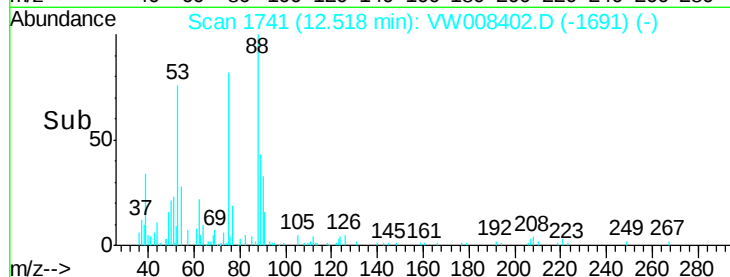
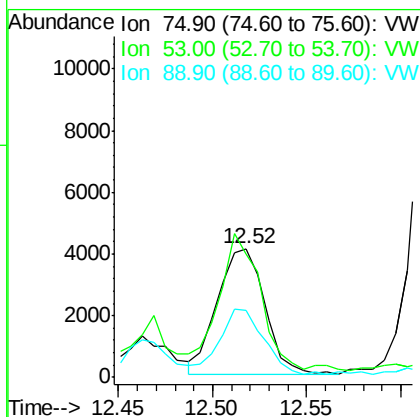
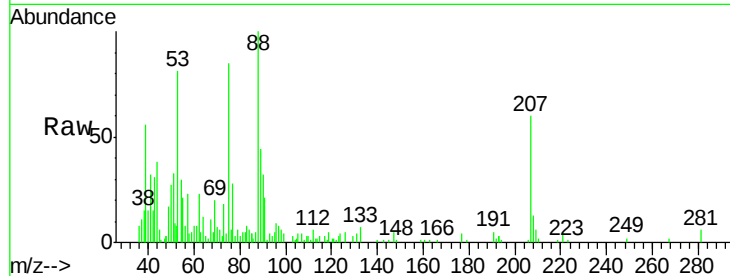
#81
trans-1,4-Dichloro-2-butene
Concen: 5.080 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	76.0	114.0
89	51.8	35.4	53.0

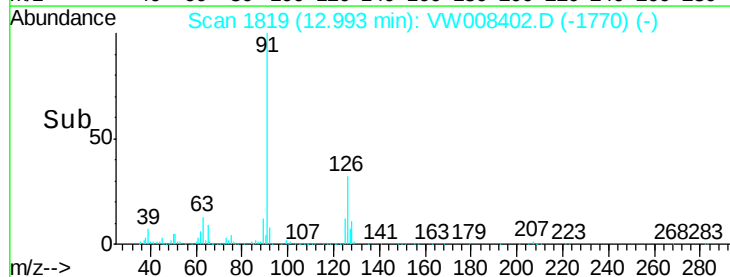
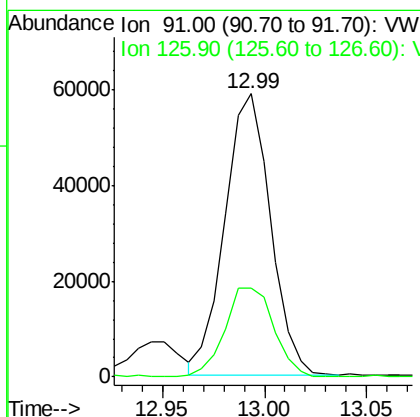
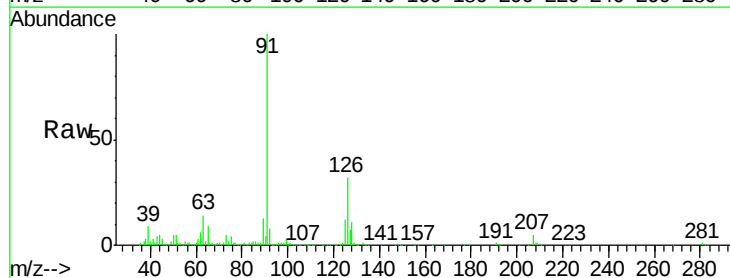
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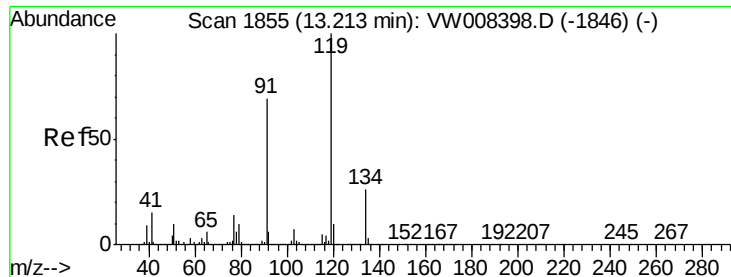
sam
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#82
4-Chlorotoluene
Concen: 4.723 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.2





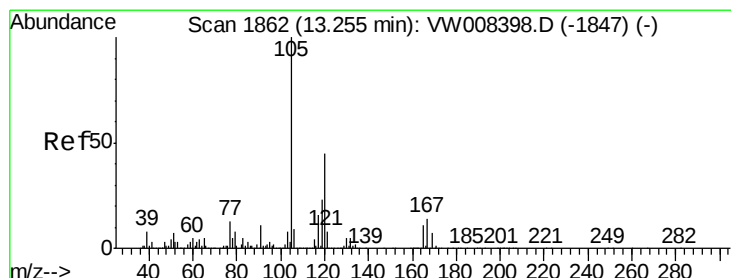
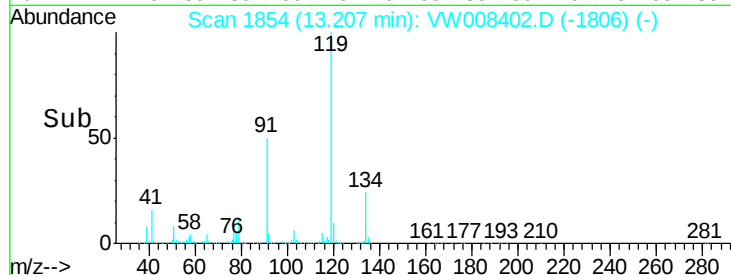
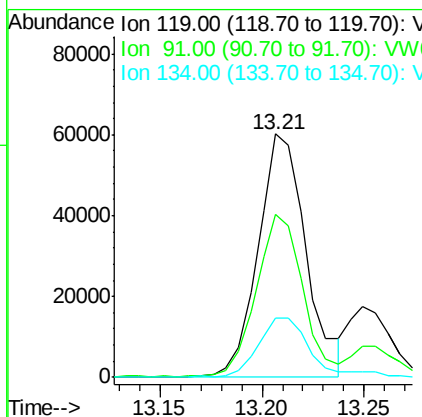
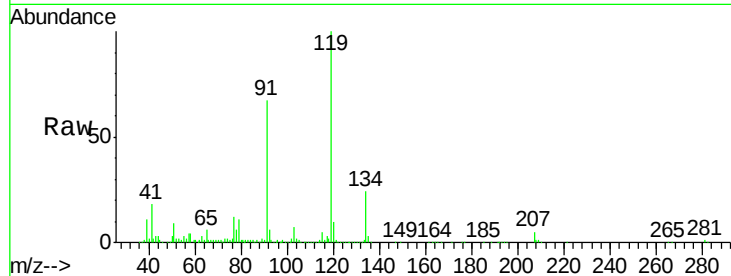
#83
tert-Butylbenzene
Concen: 4.985 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
119	100			
91	64.7	33.8	101.4	
134	27.0	13.5	40.4	

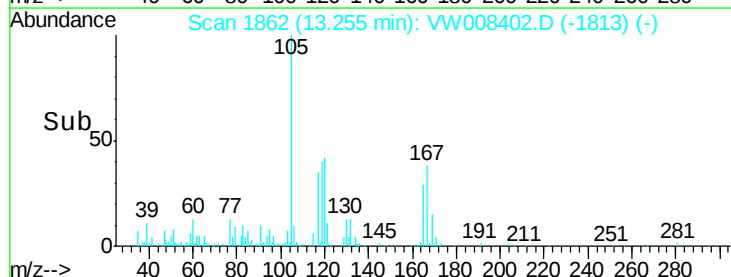
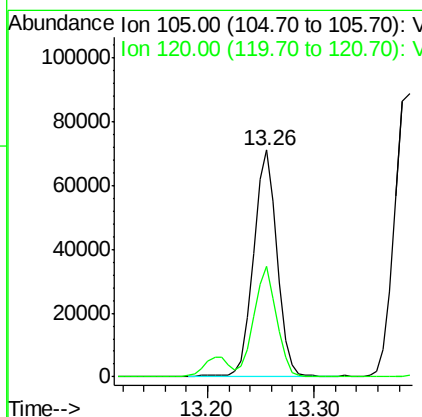
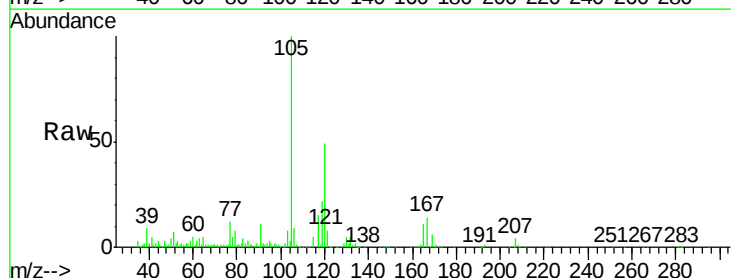
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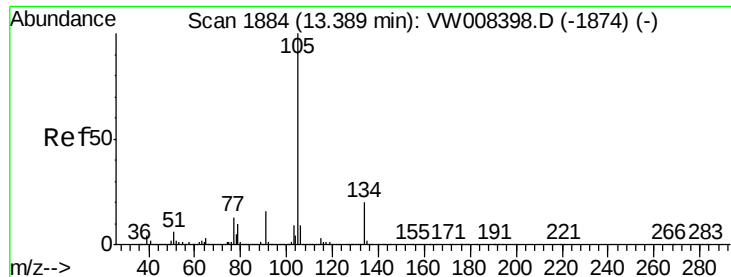
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#84
1,2,4-Trimethylbenzene
Concen: 4.841 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	46.9	23.1	69.2	





#85

sec-Butylbenzene

Concen: 4.920 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 138928

Ion Ratio Lower Upper

105 100

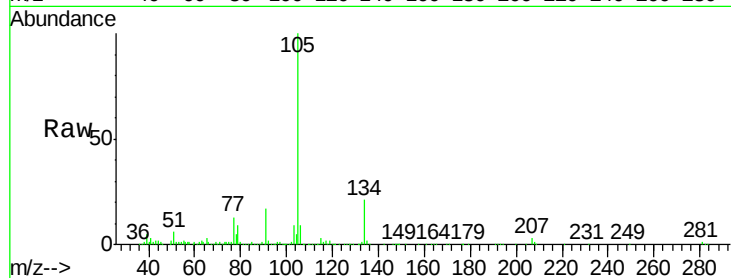
134 21.2 10.2 30.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

100000

80000

60000

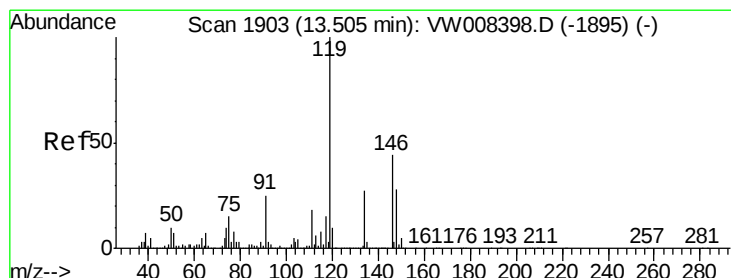
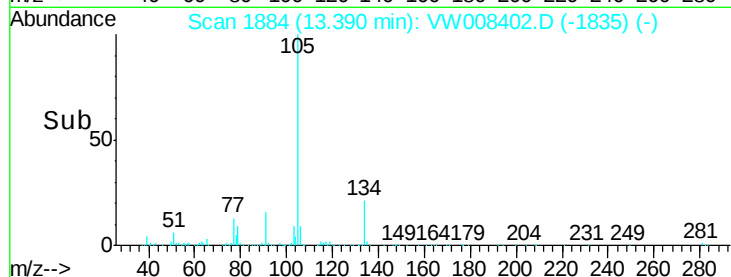
40000

20000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 4.936 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

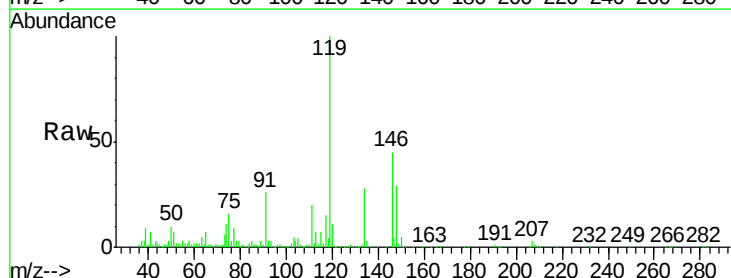
Tgt Ion:119 Resp: 121747

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 24.6 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

100000

80000

60000

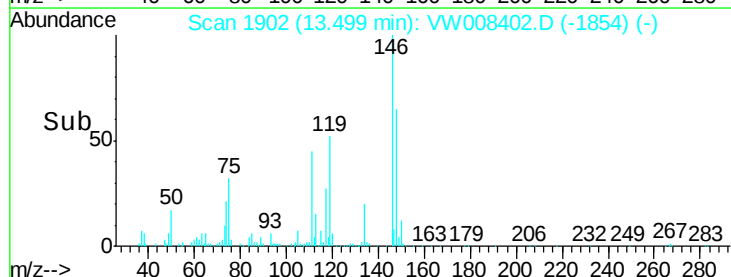
40000

20000

0

13.40 13.50 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 4.592 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

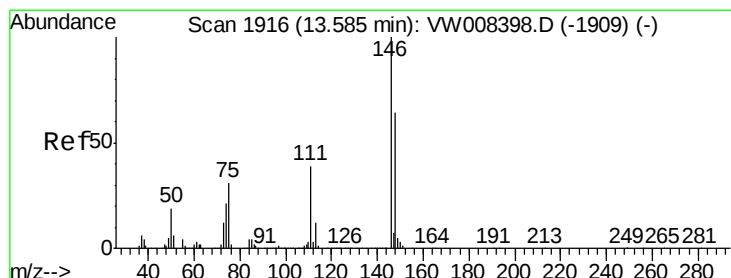
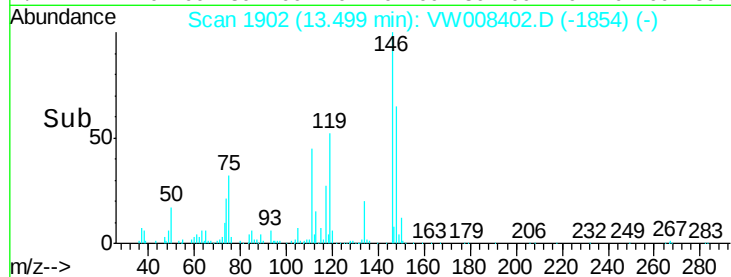
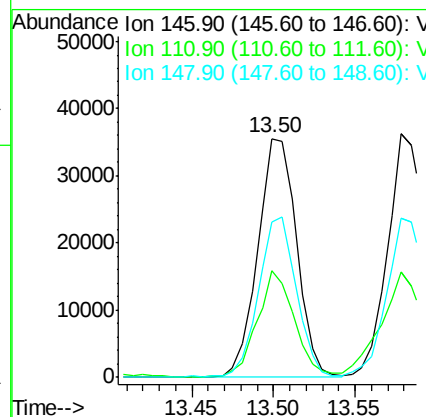
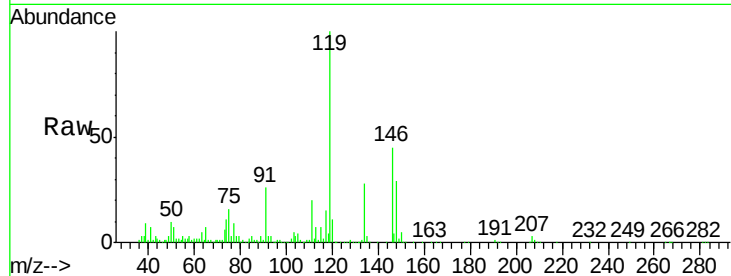
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	20.3	60.9
148	65.5	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 4.581 ug/l

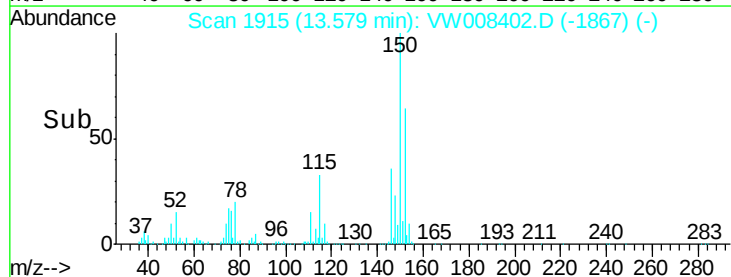
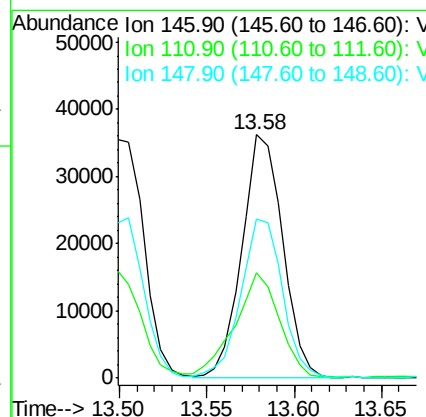
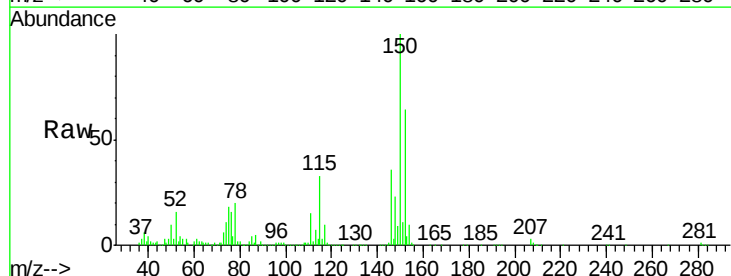
RT: 13.58 min Scan# 1915

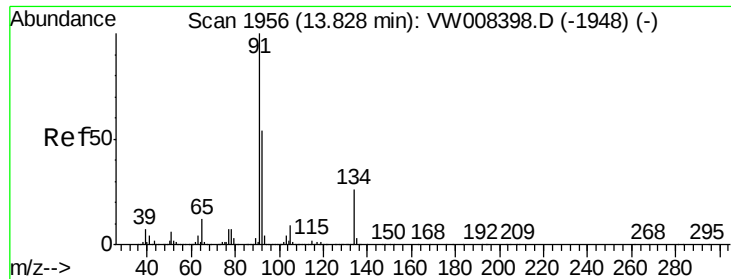
Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	20.0	60.0
148	65.9	32.0	96.2





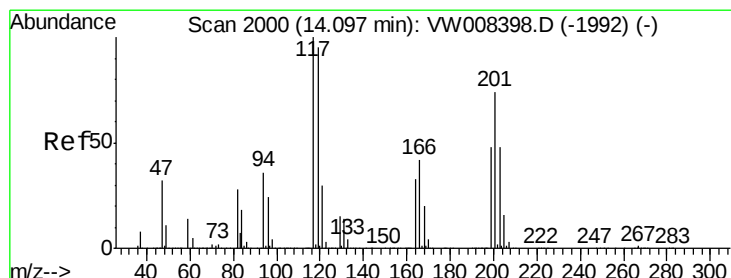
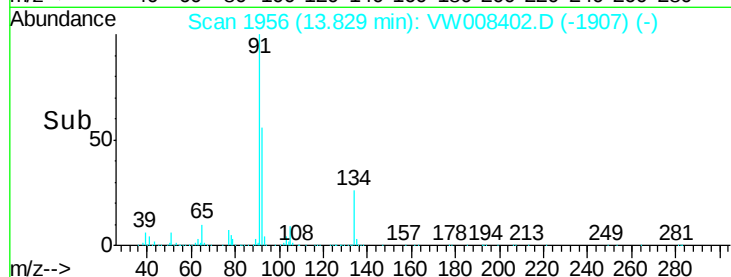
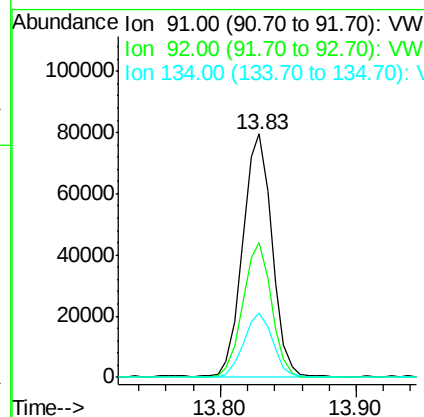
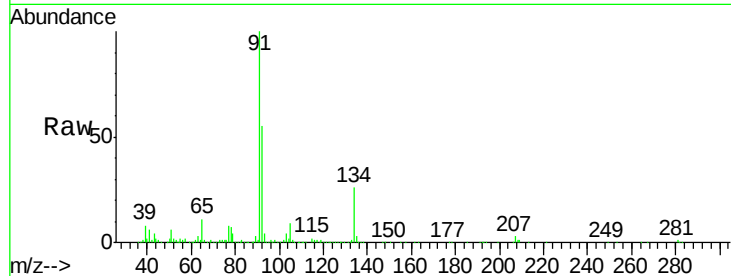
#89
n-Butylbenzene
Concen: 5.017 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.4	82.2
134	26.3	13.0	39.0

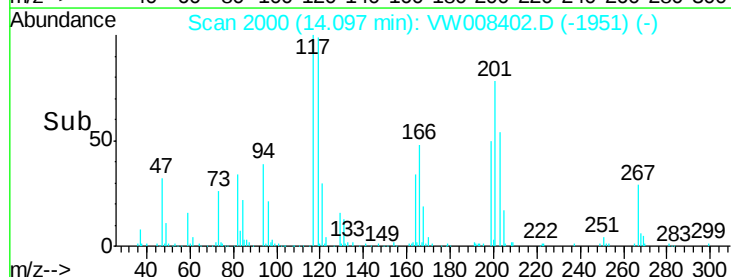
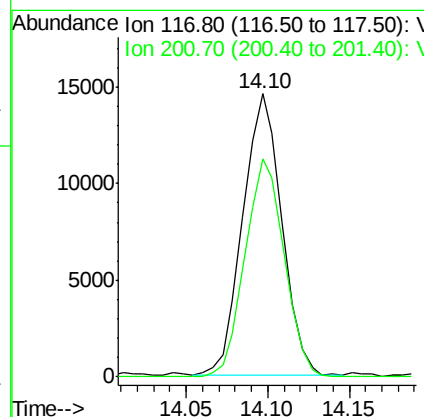
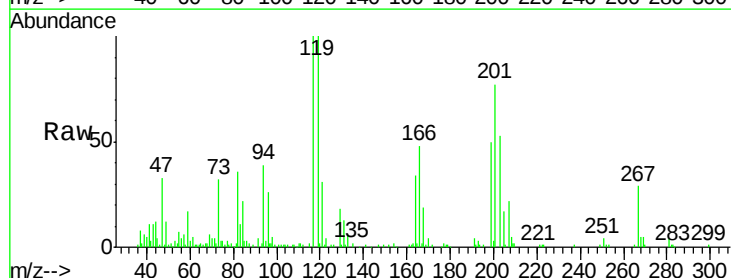
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#90
Hexachloroethane
Concen: 5.301 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 4.571 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Instrument :

MSVOA_W

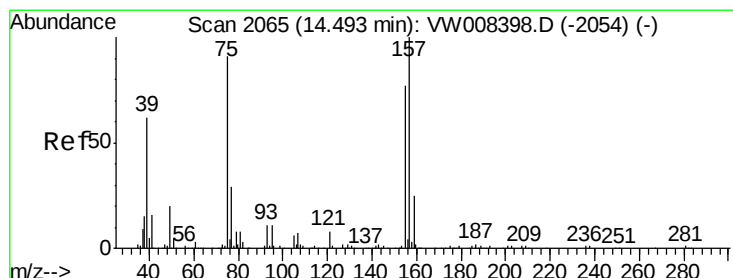
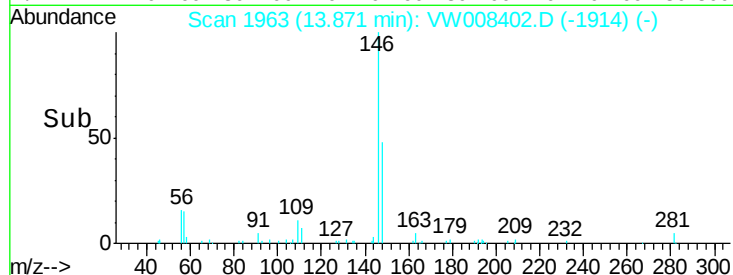
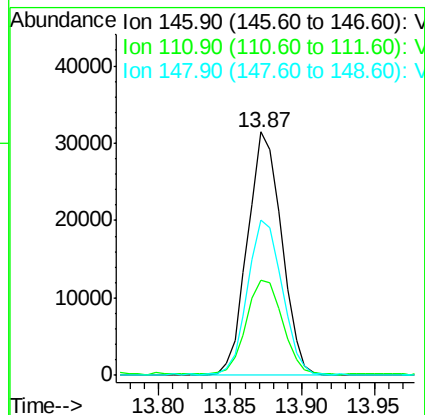
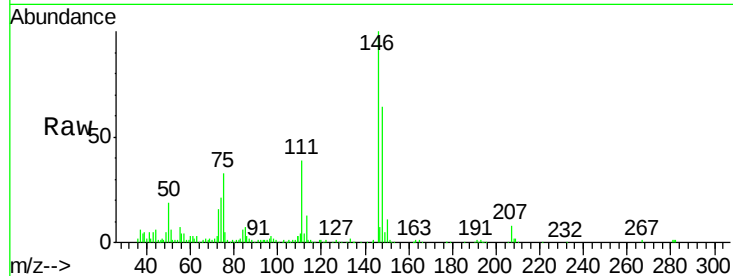
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	51578
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.1	63.3
148	64.4	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.913 ug/l

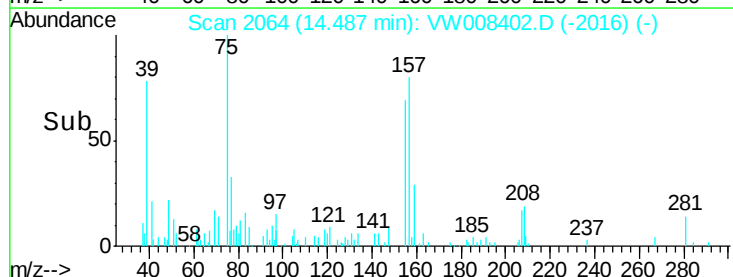
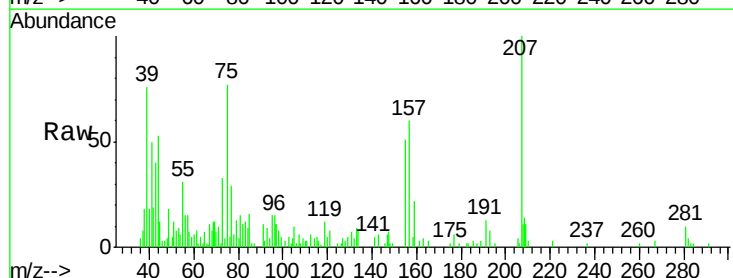
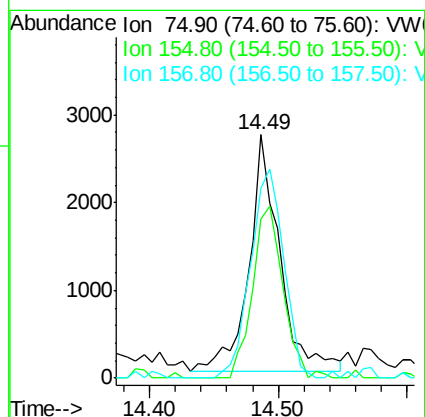
RT: 14.49 min Scan# 2064

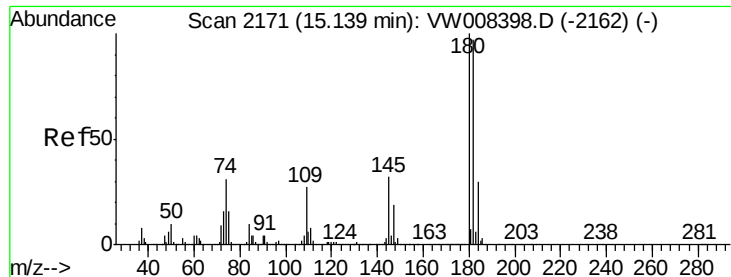
Delta R.T. -0.01 min

Lab File: VW008402.D

Acq: 24 Jan 2019 17:51

Tgt Ion:	75	Resp:	4404
Ion	Ratio	Lower	Upper
75	100		
155	72.2	42.7	128.1
157	96.3	55.5	166.3





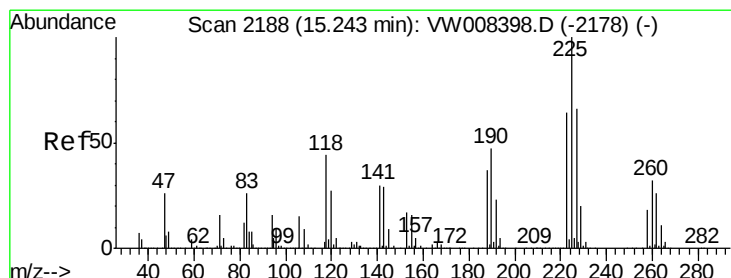
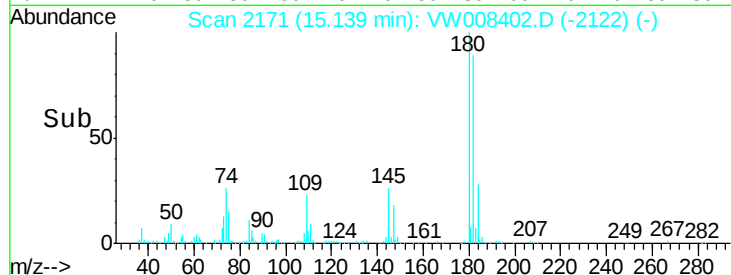
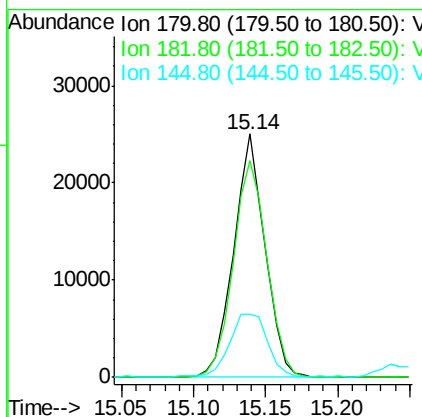
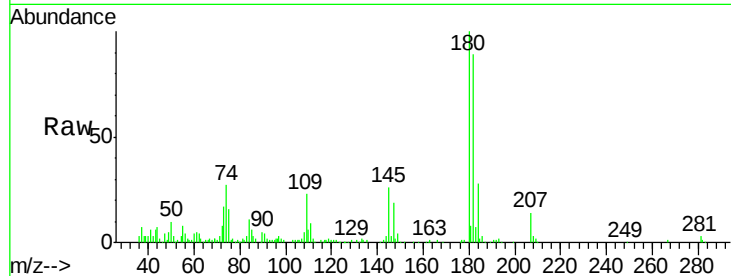
#93
 1,2,4-Trichlorobenzene
 Concen: 4.959 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	37881		
182	95.7	47.9	143.7	
145	32.0	15.5	46.5	

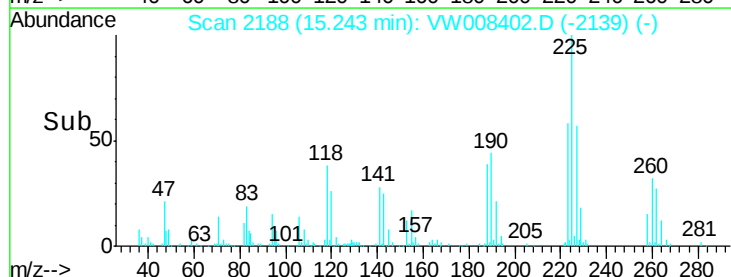
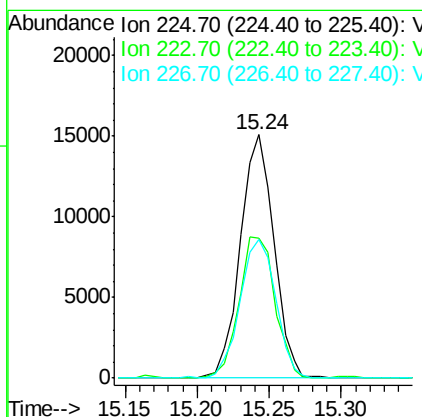
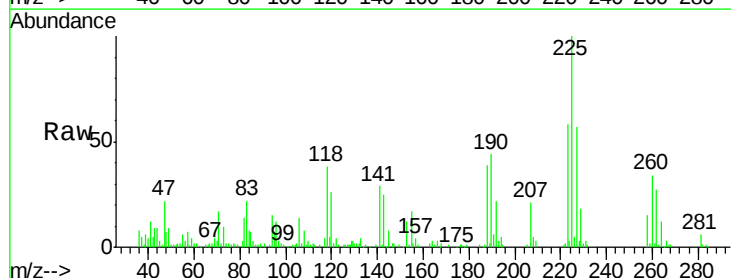
Manual Integrations
 APPROVED

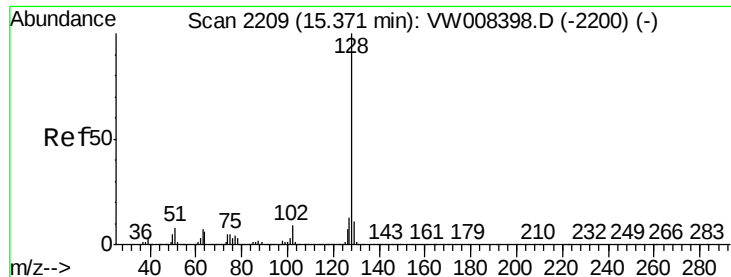
sam
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#94
 Hexachlorobutadiene
 Concen: 5.665 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008402.D
 Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	24388		
223	62.0	31.7	95.1	
227	60.4	32.1	96.3	





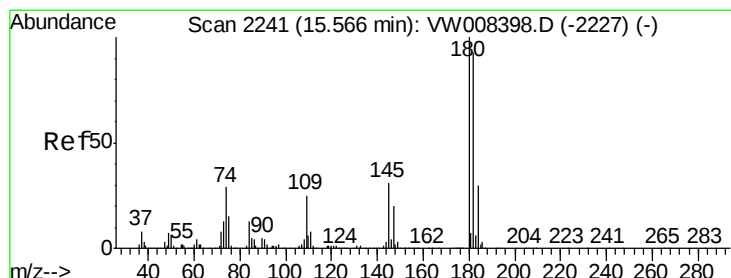
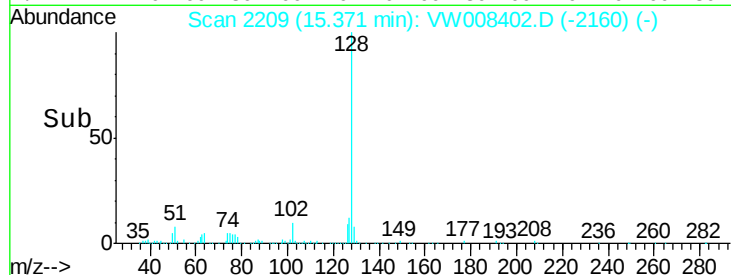
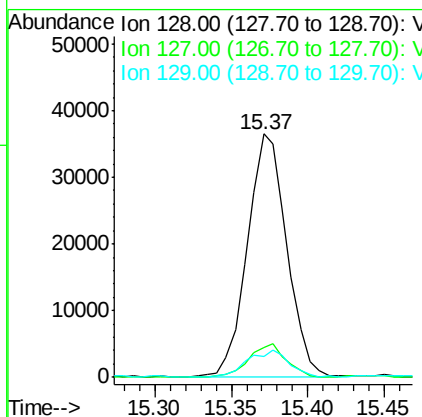
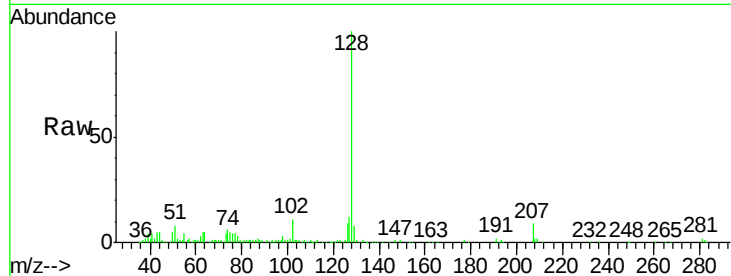
#95
Naphthalene
Concen: 5.131 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	12.1	8.7	13.1

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 4.973 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008402.D
Acq: 24 Jan 2019 17:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.0	141.2
145	33.4	15.9	47.6

