

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012519\
 Data File : VW008405.D
 Acq On : 25 Jan 2019 12:12
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/28/2019 12:45:41 PM

Quant Time: Jan 28 01:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	554188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	867161	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	765949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	401751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	259833	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
35) Dibromofluoromethane	7.88	113	254315	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
50) Toluene-d8	10.32	98	1037162	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.62	95	384268	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	166077	51.736	ug/l	97
3) Chloromethane	2.21	50	228062	50.415	ug/l	99
4) Vinyl Chloride	2.36	62	313717	54.478	ug/l	99
5) Bromomethane	2.78	94	199236	53.640	ug/l	98
6) Chloroethane	2.92	64	190788	54.174	ug/l	99
7) Trichlorofluoromethane	3.25	101	240967	48.288	ug/l	97
8) Diethyl Ether	3.67	74	130984	47.394	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	266650	53.198	ug/l	97
10) Methyl Iodide	4.26	142	419877	53.034	ug/l	99
11) Tert butyl alcohol	5.17	59	100261	228.732	ug/l	98
12) 1,1-Dichloroethene	4.03	96	266205	52.479	ug/l	99
13) Acrolein	3.89	56	80490	208.827	ug/l	97
14) Allyl chloride	4.66	41	487221	50.582	ug/l	99
15) Acrylonitrile	5.36	53	279175	233.932	ug/l	99
16) Acetone	4.12	43	304949	249.423	ug/l	98
17) Carbon Disulfide	4.37	76	859405	53.047	ug/l	99
18) Methyl Acetate	4.67	43	150949	46.290	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	400600	47.731	ug/l	98
20) Methylene Chloride	4.90	84	274467	48.707	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	292875	51.356	ug/l	99
22) Diisopropyl ether	6.31	45	886209	48.544	ug/l	98
23) Vinyl Acetate	6.25	43	2549413	236.505	ug/l	100
24) 1,1-Dichloroethane	6.21	63	517219	50.053	ug/l	99
25) 2-Butanone	7.17	43	405296	238.663	ug/l	100
26) 2,2-Dichloropropane	7.16	77	362209	51.857	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	315913	50.829	ug/l	99
28) Bromochloromethane	7.51	49	214989	45.297	ug/l	99
29) Tetrahydrofuran	7.52	42	248424	230.846	ug/l	100
30) Chloroform	7.67	83	511966	50.371	ug/l	98
31) Cyclohexane	7.95	56	524503	49.088	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	457102	52.069	ug/l	99
36) 1,1-Dichloropropene	8.08	75	432477	52.797	ug/l	99
37) Ethyl Acetate	7.25	43	167270	46.156	ug/l	99
38) Carbon Tetrachloride	8.06	117	441368	53.546	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	569733	52.946	ug/l	98
40) Benzene	8.32	78	1171137	51.524	ug/l	99
41) Methacrylonitrile	7.48	41	98993	46.132	ug/l	95
42) 1,2-Dichloroethane	8.40	62	323336	49.087	ug/l	100
43) Isopropyl Acetate	8.42	43	351099	46.632	ug/l	98
44) Trichloroethene	9.09	130	326105	52.759	ug/l	100
45) 1,2-Dichloropropane	9.37	63	284773	50.247	ug/l	100
46) Dibromomethane	9.46	93	144028	49.410	ug/l	99
47) Bromodichloromethane	9.64	83	388699	50.414	ug/l	100
48) Methyl methacrylate	9.43	41	170390	46.283	ug/l	99
49) 1,4-Dioxane	9.45	88	49211	998.766	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	863465	232.139	ug/l	100
52) Toluene	10.38	92	764102	50.925	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	406264	49.519	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	469308	50.407	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	199922	49.446	ug/l	98
56) Ethyl methacrylate	10.65	69	267541	47.224	ug/l	99
57) 1,3-Dichloropropane	10.93	76	351652	48.547	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	627340	227.903	ug/l	99
59) 2-Hexanone	10.97	43	630317	240.039	ug/l	100
60) Dibromochloromethane	11.13	129	256207	49.310	ug/l	100
61) 1,2-Dibromoethane	11.23	107	196536	49.023	ug/l	100
64) Tetrachloroethene	10.86	164	276615	53.339	ug/l	97
65) Chlorobenzene	11.66	112	818900	52.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	289804	51.805	ug/l	98
67) Ethyl Benzene	11.73	91	1510901	52.569	ug/l	99
68) m/p-Xylenes	11.84	106	1168159	104.755	ug/l	99
69) o-Xylene	12.17	106	551136	52.016	ug/l	100
70) Styrene	12.18	104	901502	51.510	ug/l	99
71) Bromoform	12.35	173	155541	49.417	ug/l	100
73) Isopropylbenzene	12.47	105	1544418	51.564	ug/l	99
74) N-amyl acetate	12.27	43	358195	46.423	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	227402	47.956	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	165531m	47.390	ug/l	
77) Bromobenzene	12.75	156	331215	50.636	ug/l	97
78) n-propylbenzene	12.80	91	1868609	51.944	ug/l	100
79) 2-Chlorotoluene	12.90	91	1037756	51.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1298285	51.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	83249	47.073	ug/l	97
82) 4-Chlorotoluene	12.99	91	1097682	50.789	ug/l	99
83) tert-Butylbenzene	13.21	119	1152613	51.739	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1312735	51.590	ug/l	99
85) sec-Butylbenzene	13.39	105	1664127	52.306	ug/l	100
86) p-Isopropyltoluene	13.50	119	1465534	52.587	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	679922	51.469	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	668470	50.918	ug/l	100
89) n-Butylbenzene	13.83	91	1427112	52.155	ug/l	100
90) Hexachloroethane	14.10	117	282914	51.910	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	586723	50.196	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40854	45.407	ug/l	99

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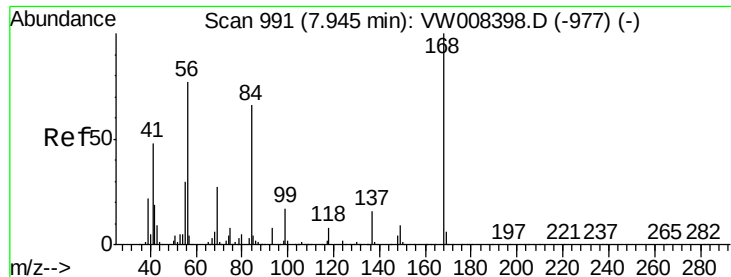
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	419616	50.306	ug/l	99
94) Hexachlorobutadiene	15.24	225	258684	51.460	ug/l	99
95) Naphthalene	15.37	128	712639	48.658	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	350270	49.504	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 554188

Ion Ratio Lower Upper

168 100

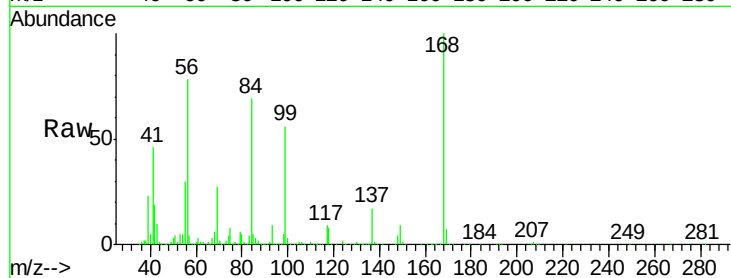
99 56.0 45.5 68.3

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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

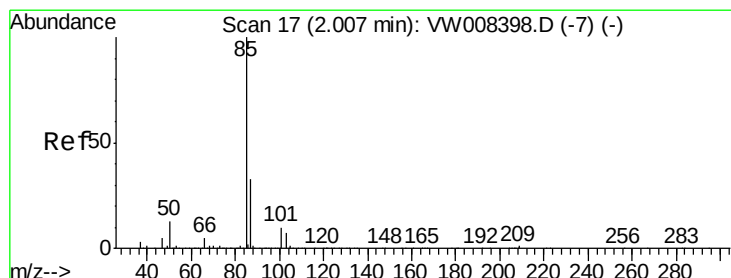
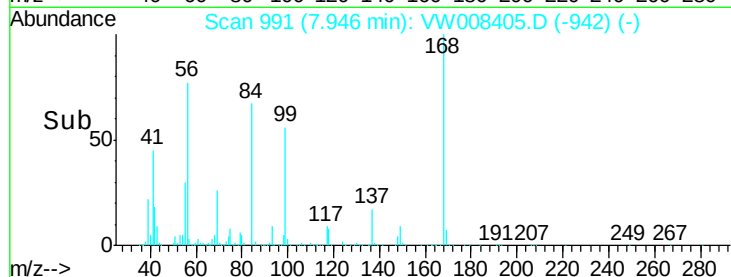
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 51.736 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008405.D

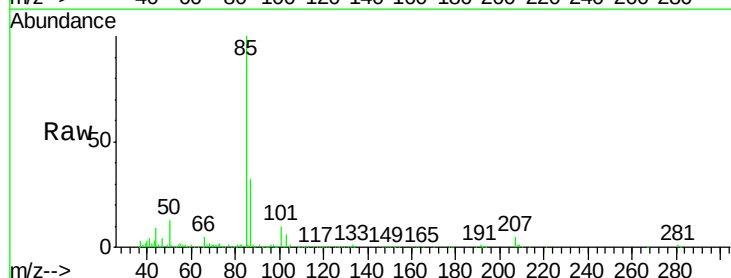
Acq: 25 Jan 2019 12:12

Tgt Ion: 85 Resp: 166077

Ion Ratio Lower Upper

85 100

87 31.7 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

60000

50000

40000

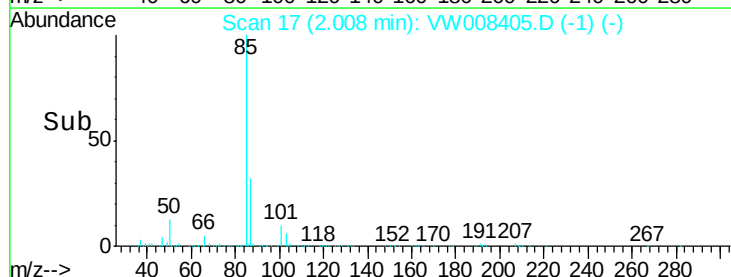
30000

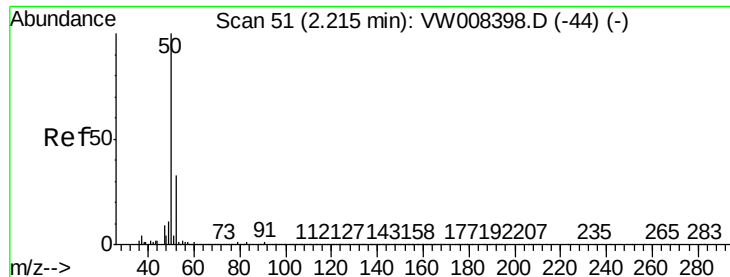
20000

10000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 50.415 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 228062

Ion Ratio Lower Upper

50 100

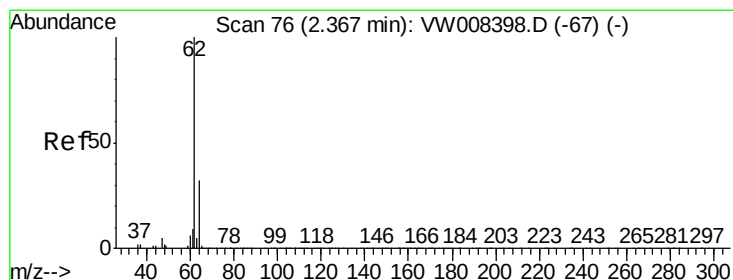
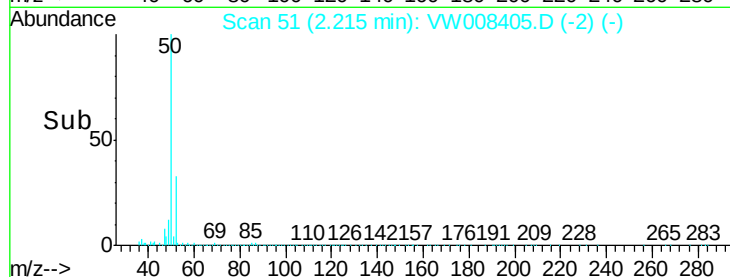
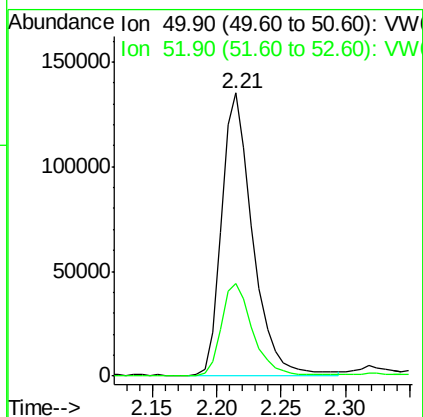
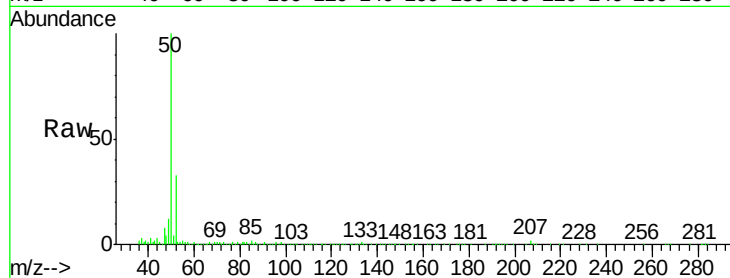
52 32.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.478 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008405.D

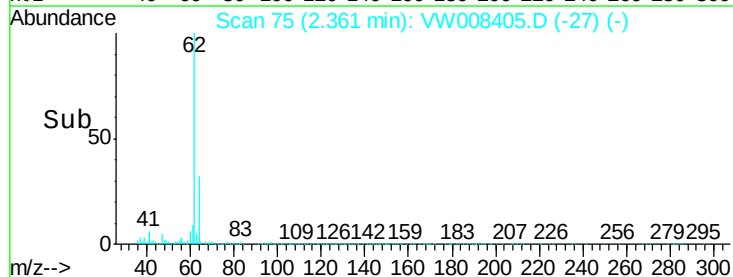
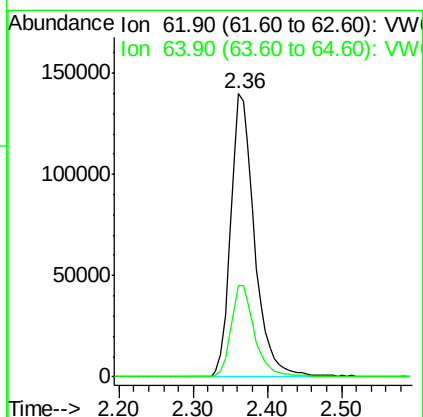
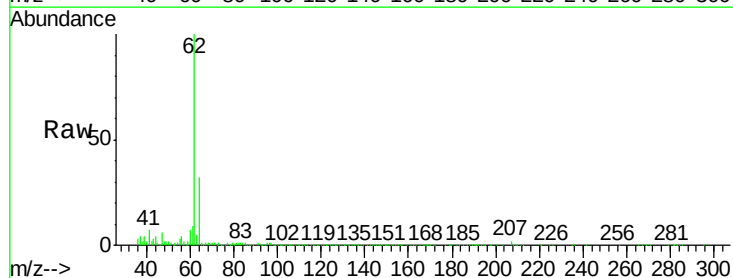
Acq: 25 Jan 2019 12:12

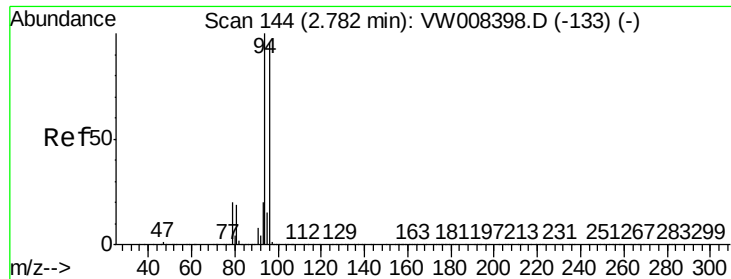
Tgt Ion: 62 Resp: 313717

Ion Ratio Lower Upper

62 100

64 32.4 25.5 38.3





#5

Bromomethane

Concen: 53.640 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 199236

Ion Ratio Lower Upper

94 100

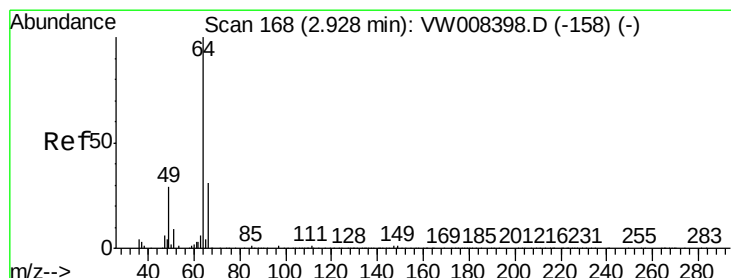
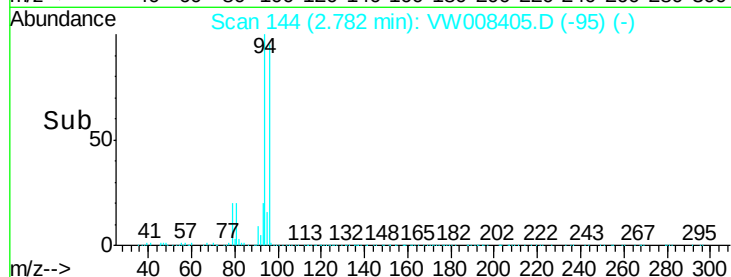
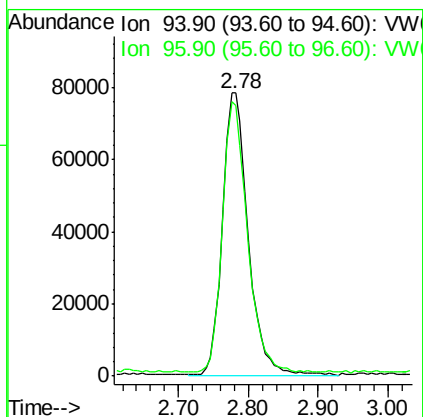
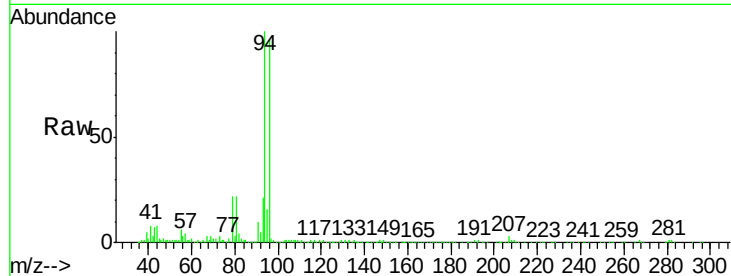
96 94.5 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 54.174 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008405.D

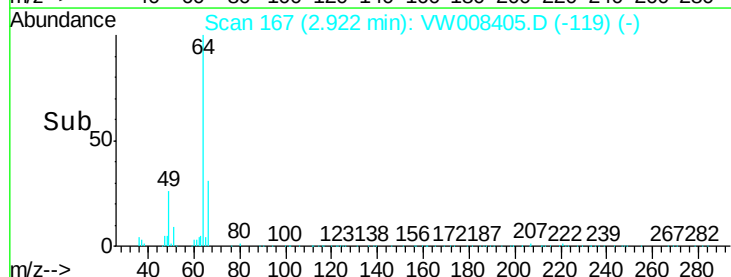
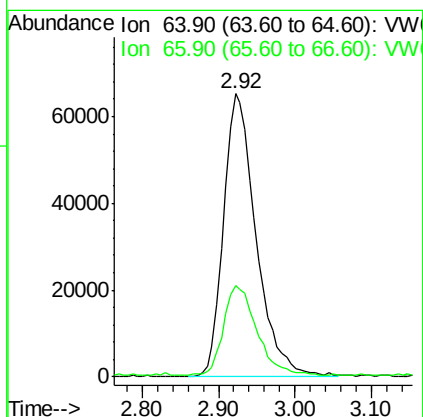
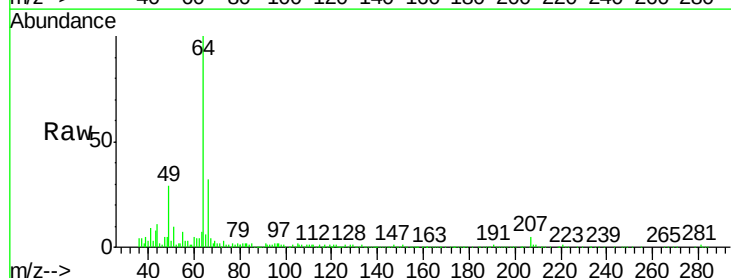
Acq: 25 Jan 2019 12:12

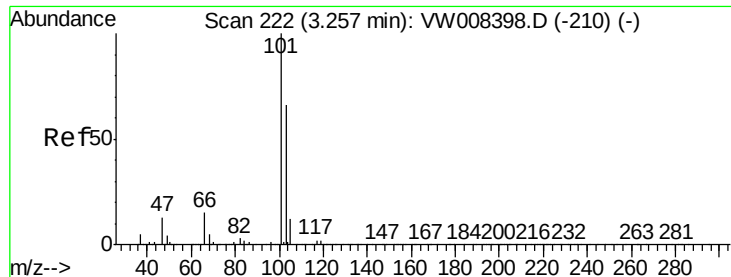
Tgt Ion: 64 Resp: 190788

Ion Ratio Lower Upper

64 100

66 31.8 24.9 37.3





#7

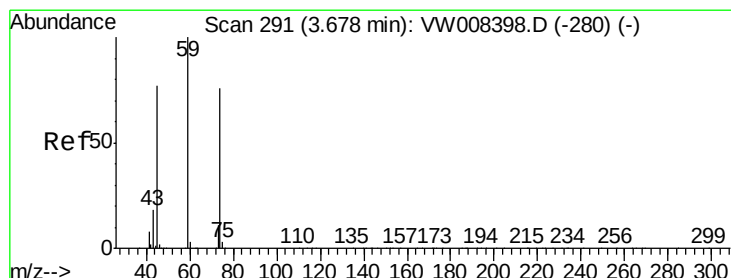
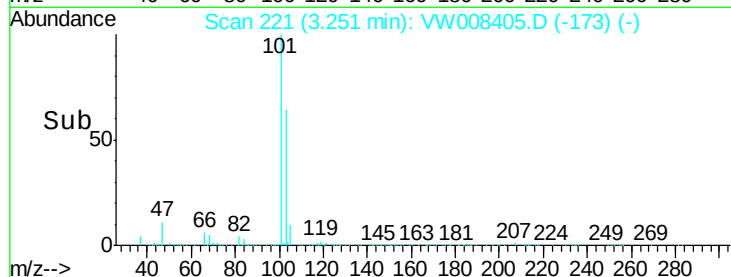
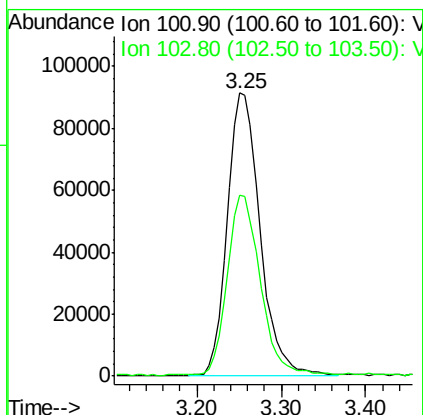
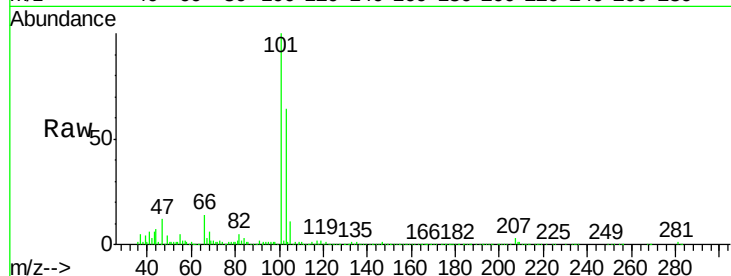
Trichlorofluoromethane
Concen: 48.288 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.5	78.7

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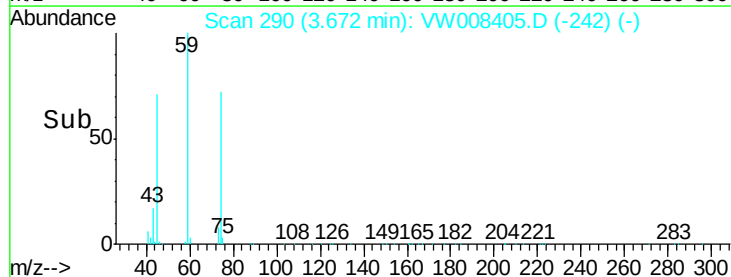
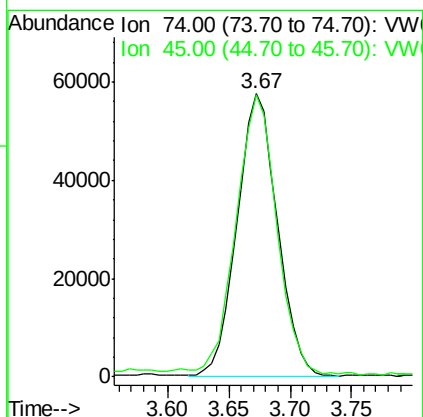
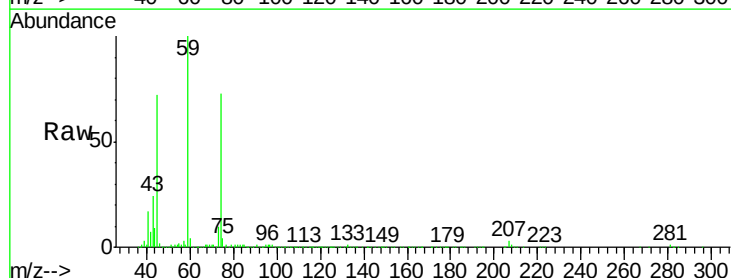
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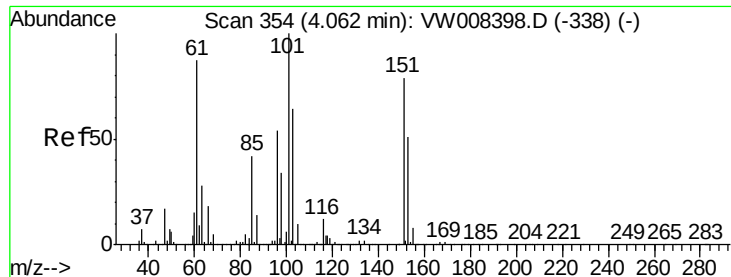


#8

Diethyl Ether
Concen: 47.394 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.198 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

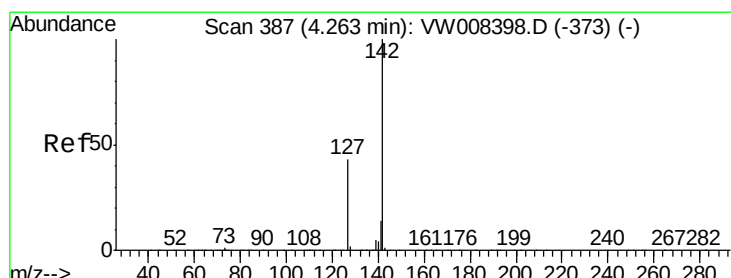
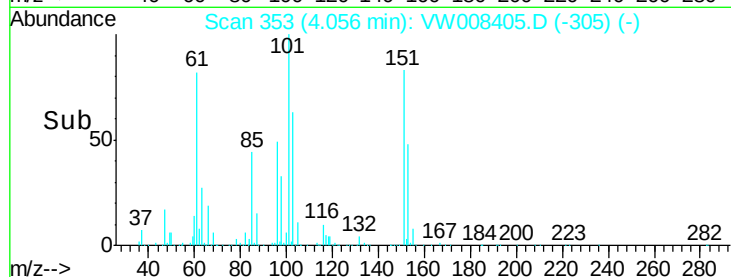
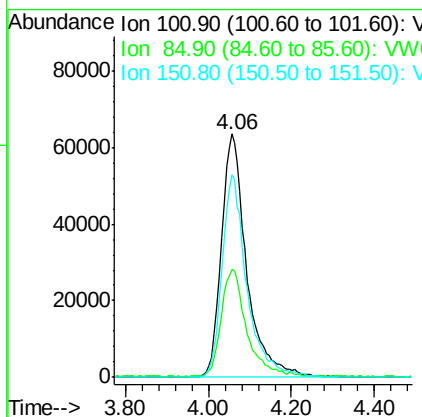
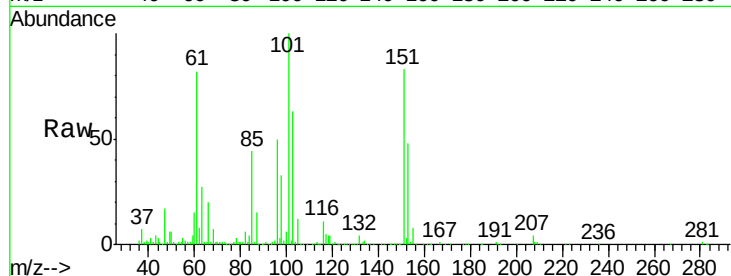
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	266650
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.0	52.4
151	81.7	62.6	94.0

Manual Integrations
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#10

Methyl Iodide

Concen: 53.034 ug/l

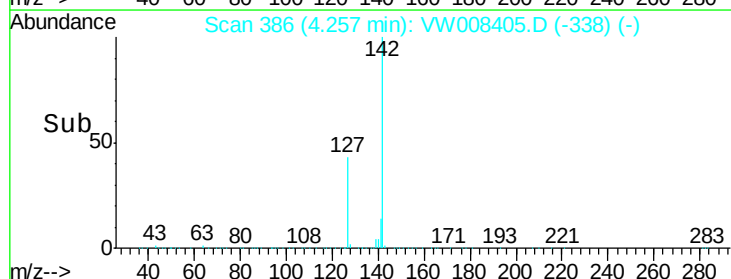
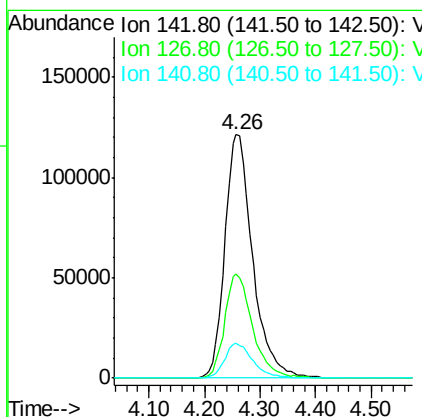
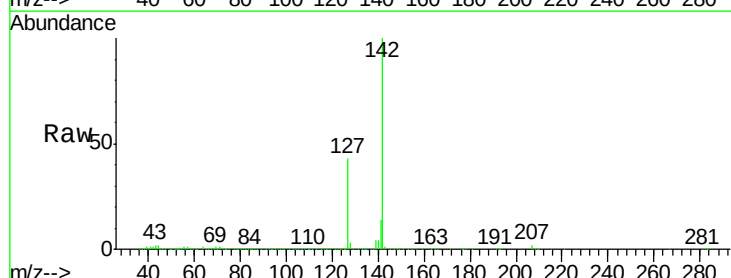
RT: 4.26 min Scan# 386

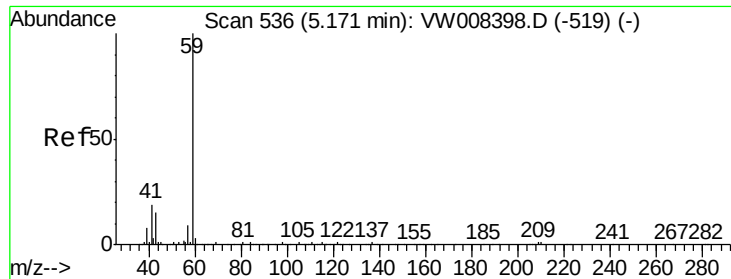
Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	142	Resp:	419877
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.6	52.0
141	14.5	11.4	17.2





#11

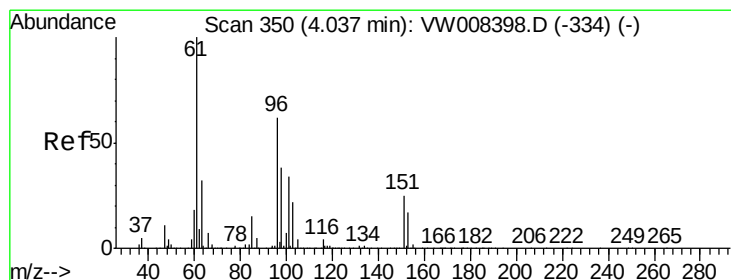
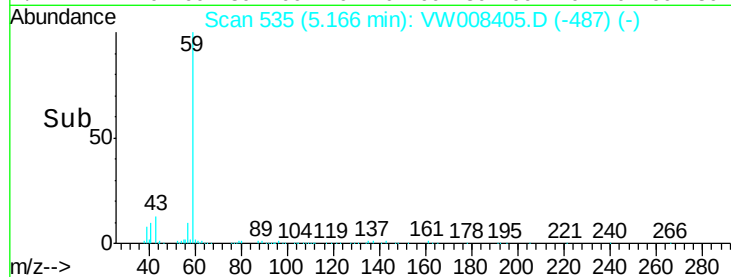
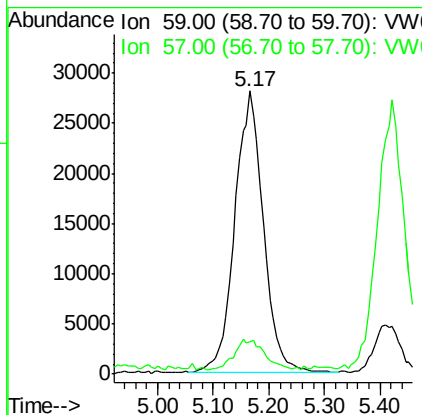
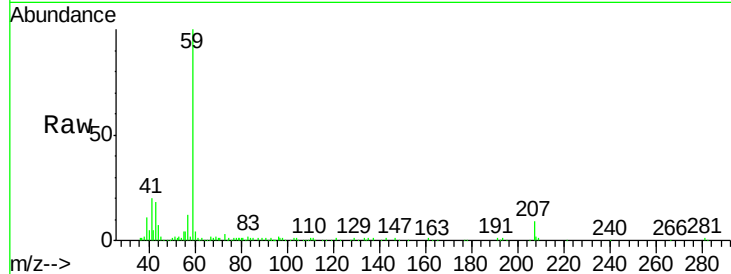
Tert butyl alcohol
Concen: 228.732 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	9.3	13.9

Manual Integrations
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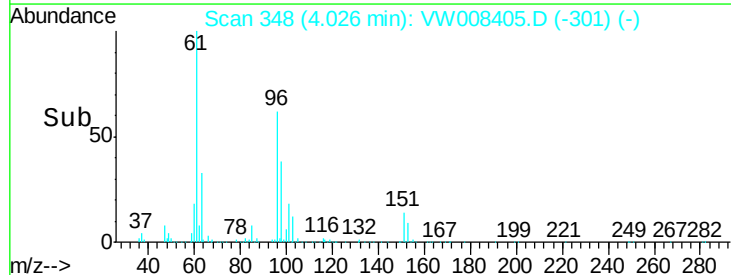
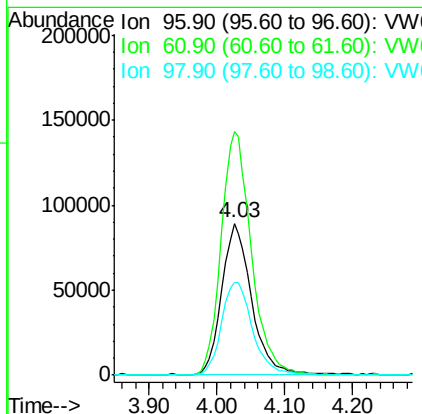
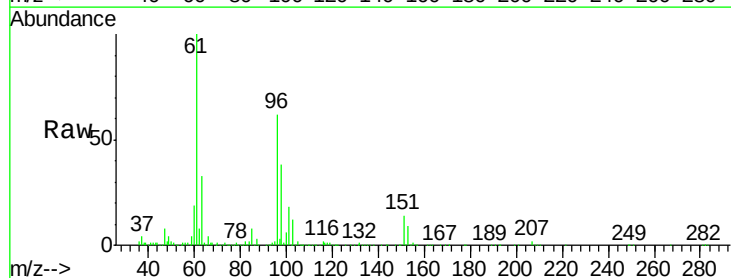
MMDadoda
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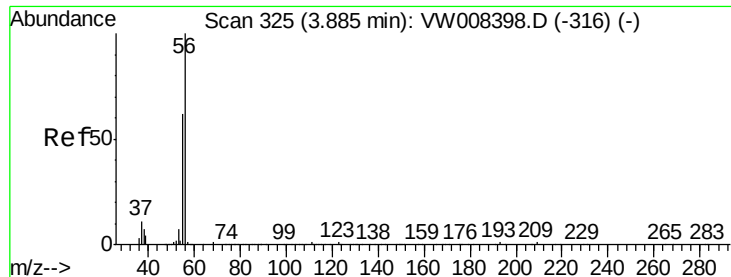


#12

1,1-Dichloroethene
Concen: 52.479 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	129.5	194.3
98	60.8	48.6	73.0





#13

Acrolein

Concen: 208.827 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 80490

Ion Ratio Lower Upper

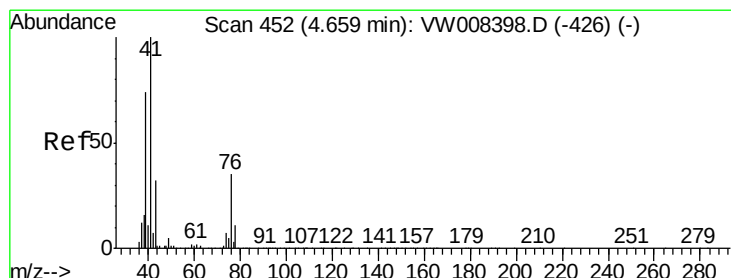
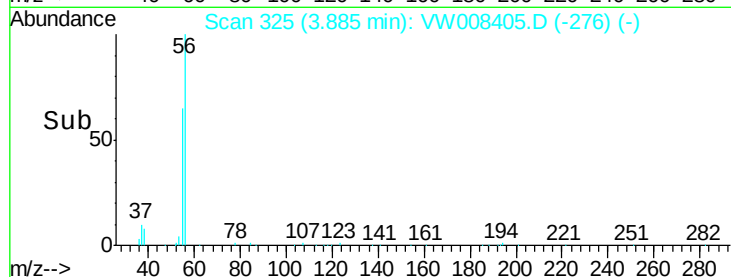
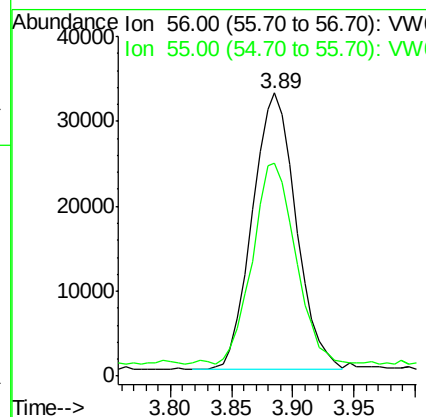
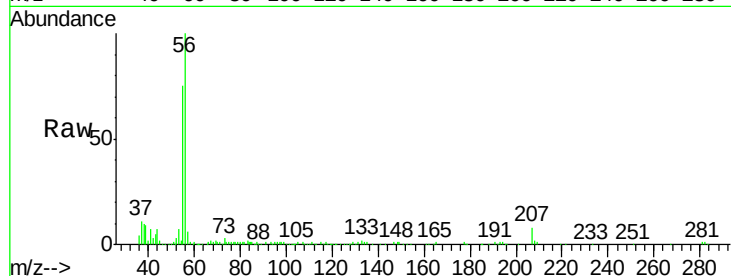
56 100

55 73.1 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 50.582 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

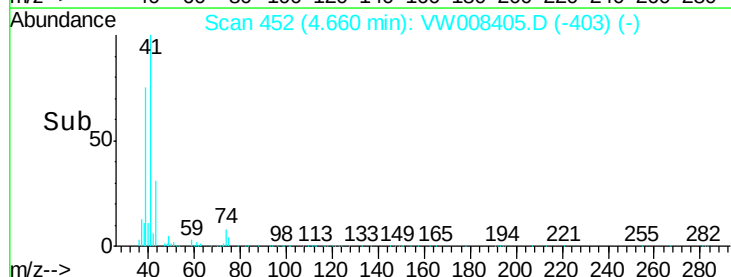
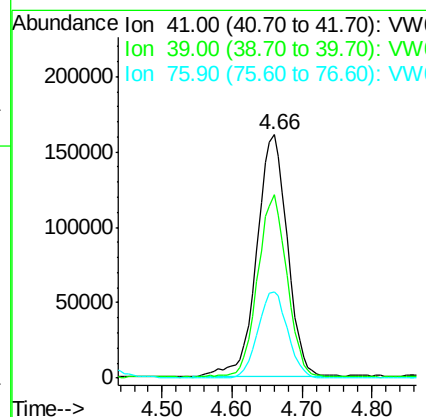
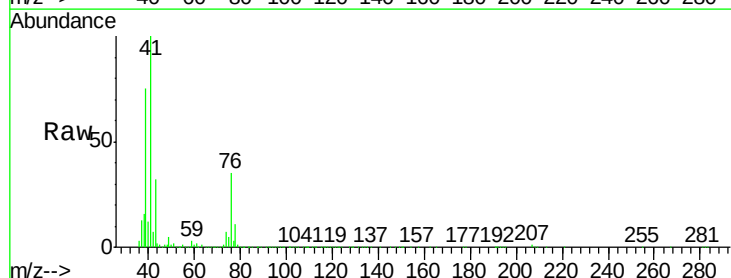
Tgt Ion: 41 Resp: 487221

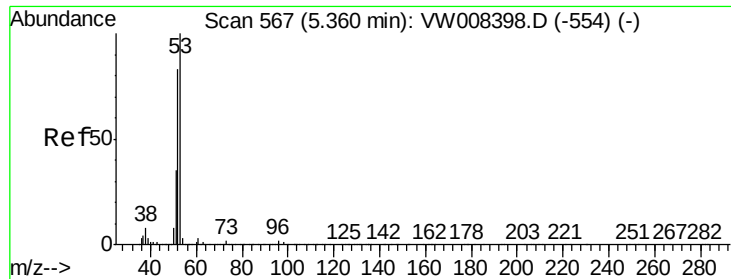
Ion Ratio Lower Upper

41 100

39 72.6 57.7 86.5

76 34.6 26.9 40.3





#15

Acrylonitrile

Concen: 233.932 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

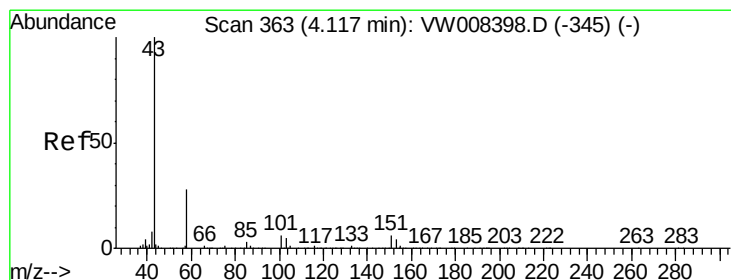
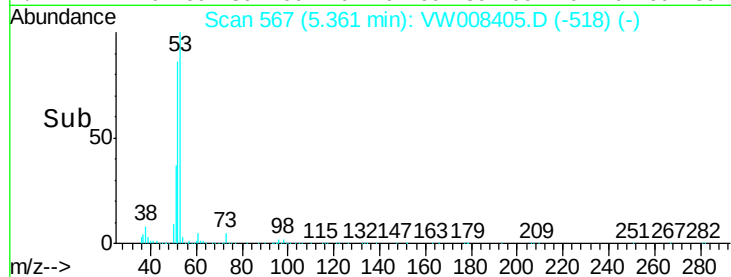
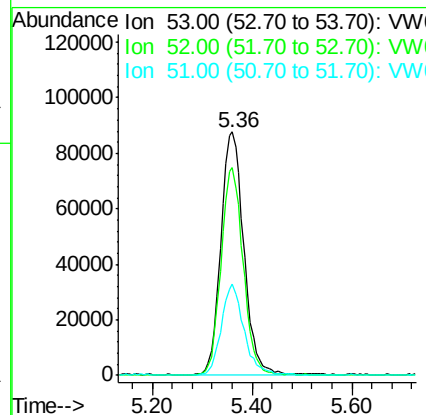
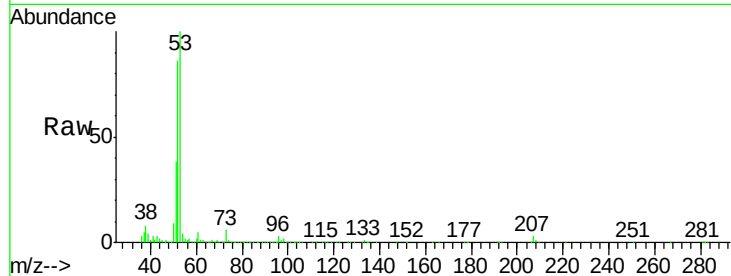
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	279175
Ion Ratio	Lower	Upper	
53	100		
52	82.8	67.0	100.4
51	36.8	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 249.423 ug/l

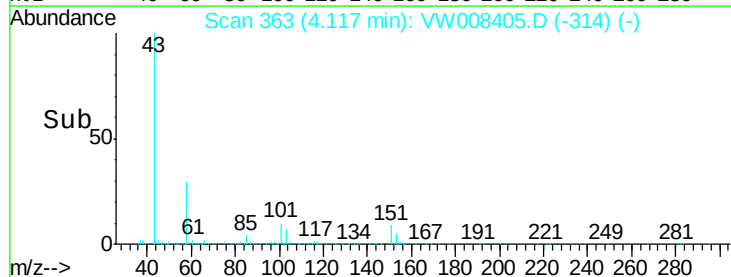
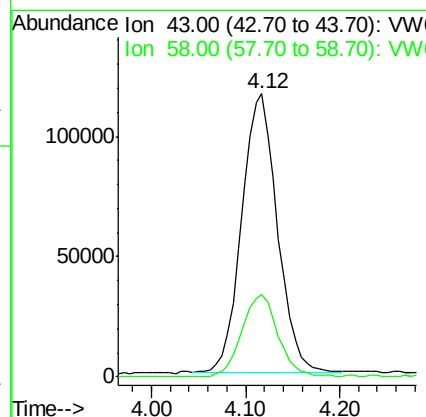
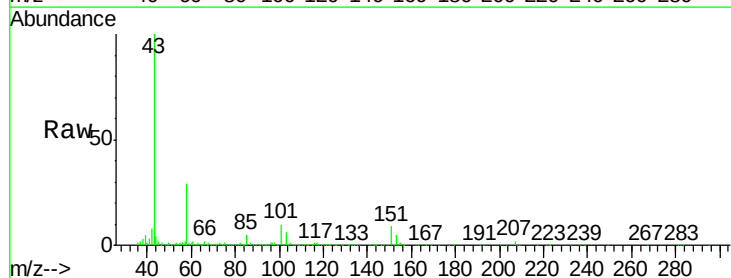
RT: 4.12 min Scan# 363

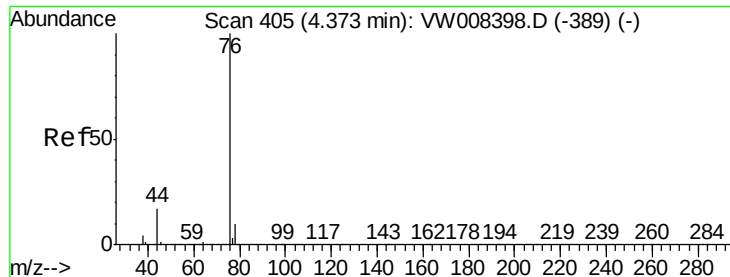
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	43	Resp:	304949
Ion Ratio	Lower	Upper	
43	100		
58	29.3	22.6	34.0





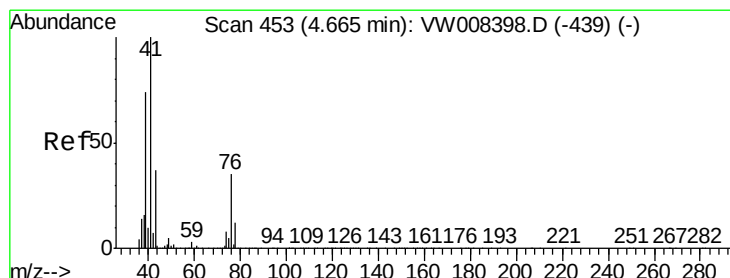
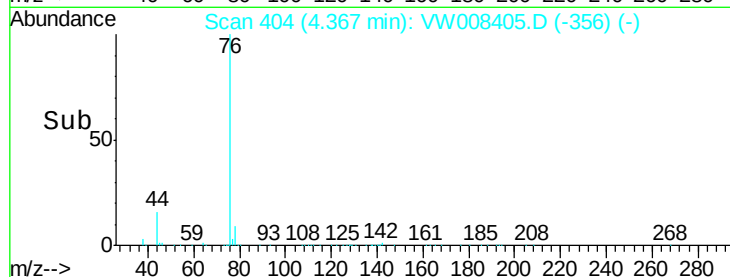
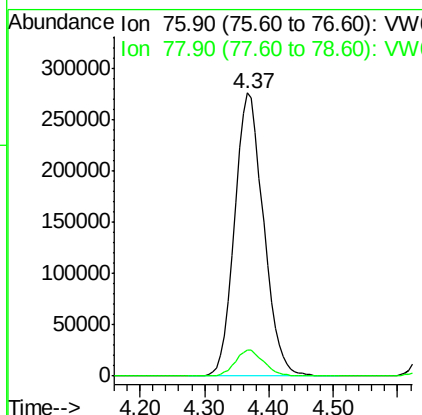
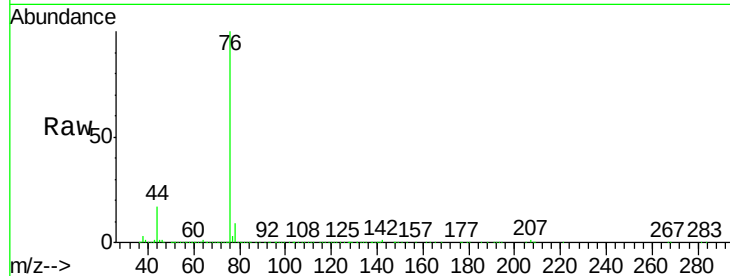
#17
Carbon Disulfide
Concen: 53.047 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

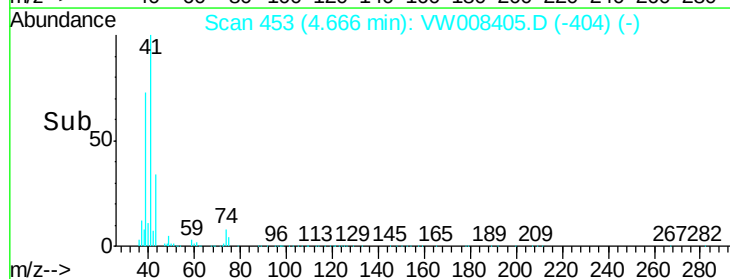
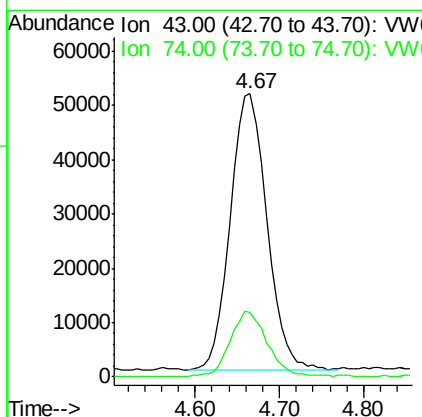
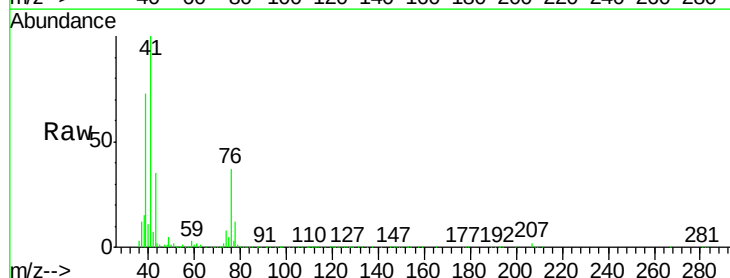
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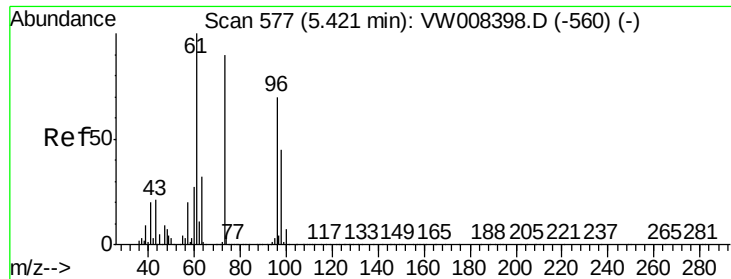
MMDadoda
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#18
Methyl Acetate
Concen: 46.290 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	17.5	26.3





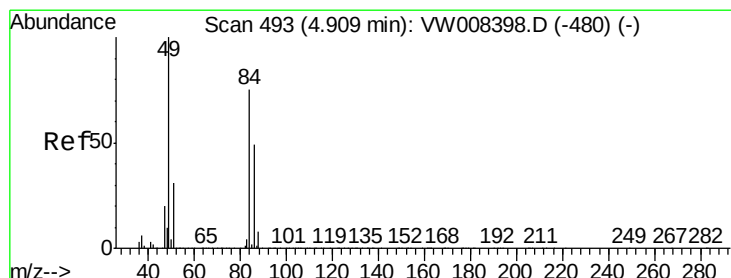
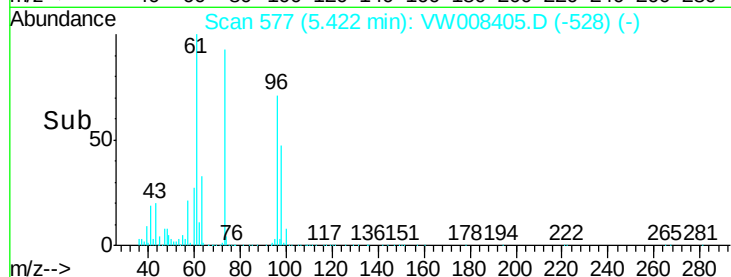
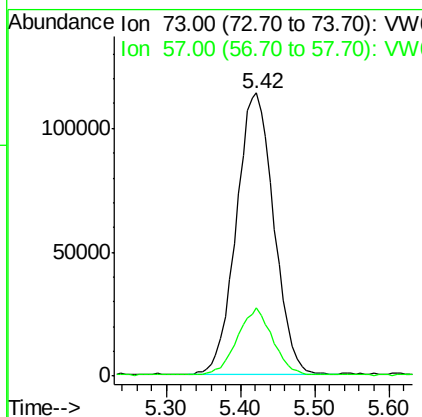
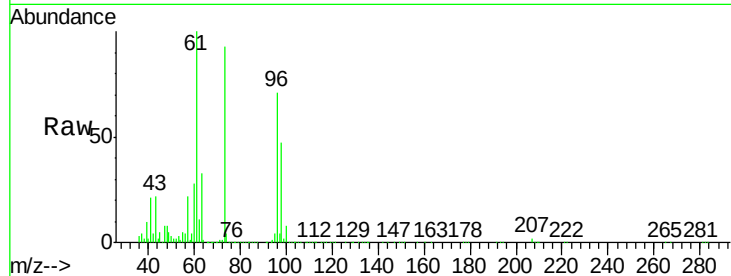
#19
Methyl tert-butyl Ether
Concen: 47.731 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.0	27.0

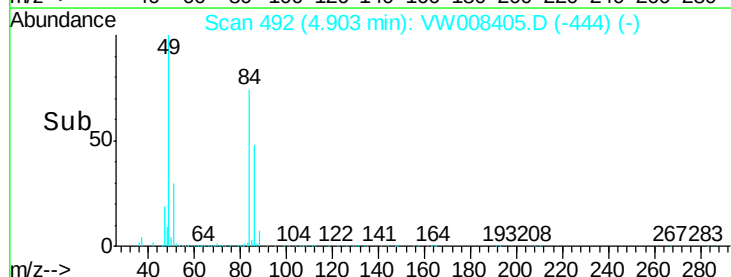
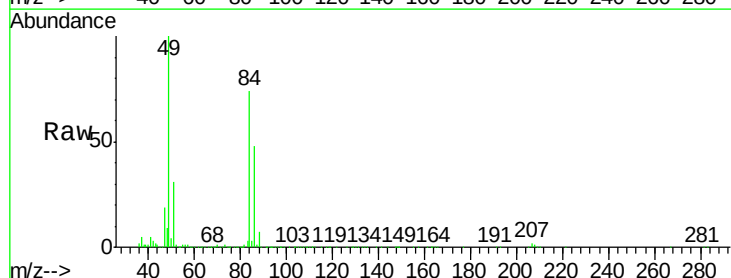
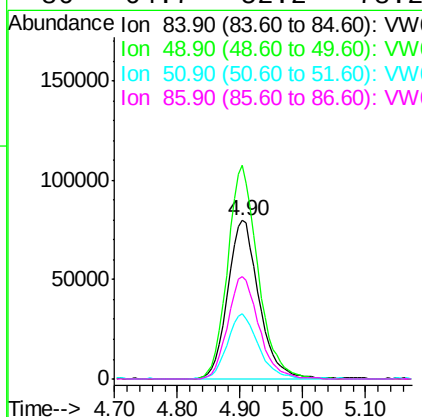
Manual Integrations
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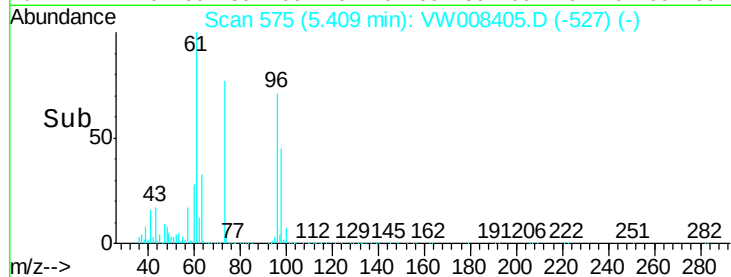
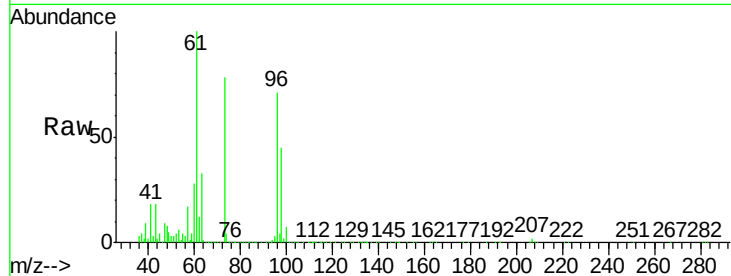
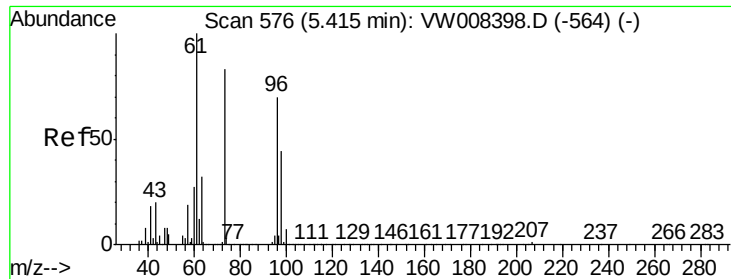
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#20
Methylene Chloride
Concen: 48.707 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.8	106.8	160.2
51	41.2	32.9	49.3
86	64.7	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 51.356 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tot Ion:	96	Resp:	292875
Ion Ratio	Lower	Upper	
96	100		
61	140.5	114.4	171.6
98	63.2	50.6	75.8

Instrument :

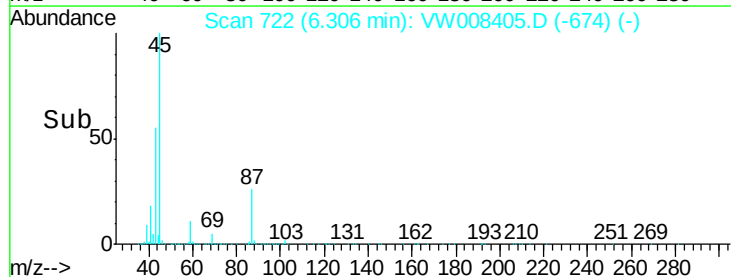
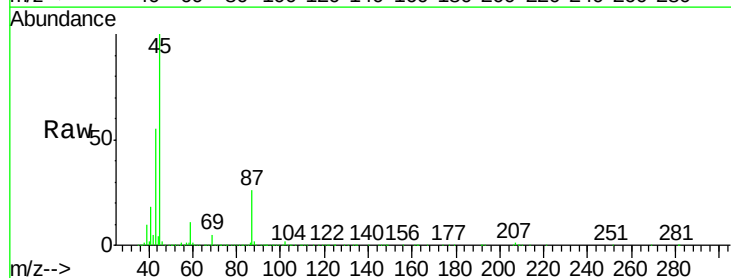
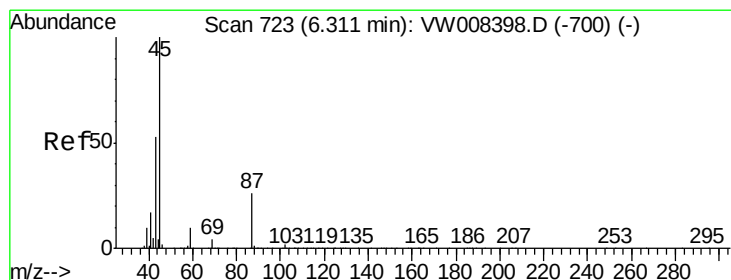
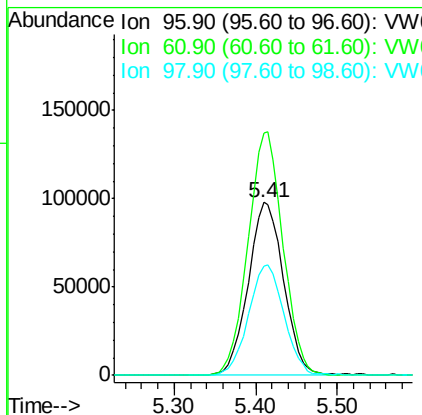
MSVOA_W

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 48.544 ug/l

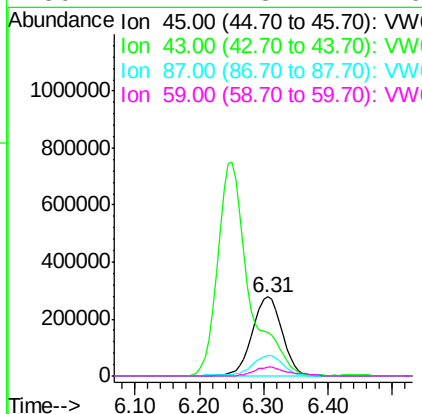
RT: 6.31 min Scan# 722

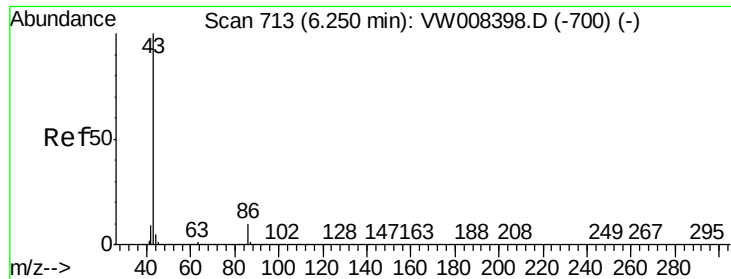
Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	45	Resp:	886209
Ion Ratio	Lower	Upper	
45	100		
43	54.4	42.6	63.8
87	26.2	20.3	30.5
59	11.2	8.4	12.6





#23

Vinyl Acetate

Concen: 236.505 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tot Ion: 43 Resp: 2549413

Ion Ratio Lower Upper

43 100

86 9.8 7.8 11.8

Instrument :

MSVOA_W

ClientSampleId :

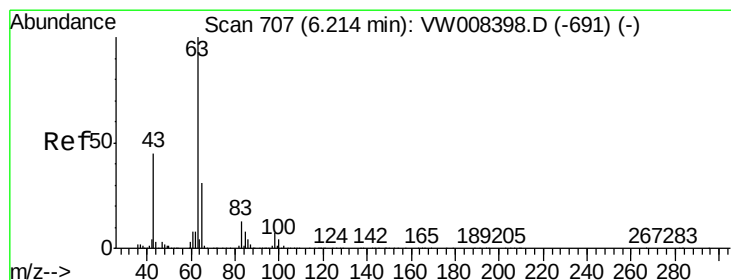
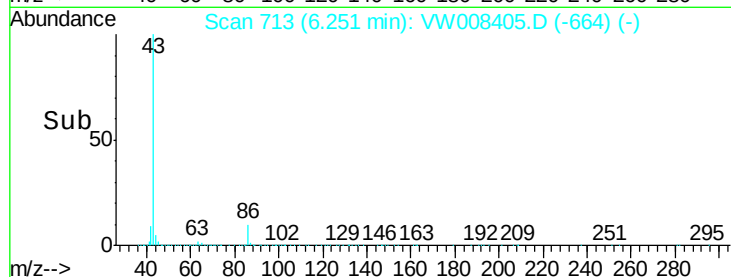
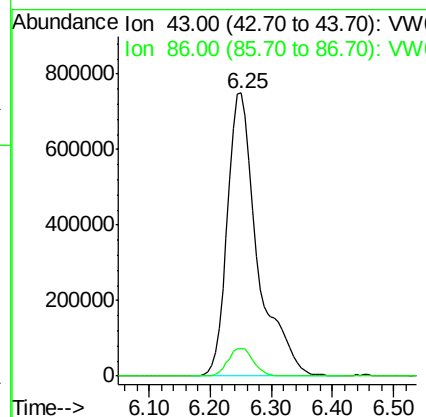
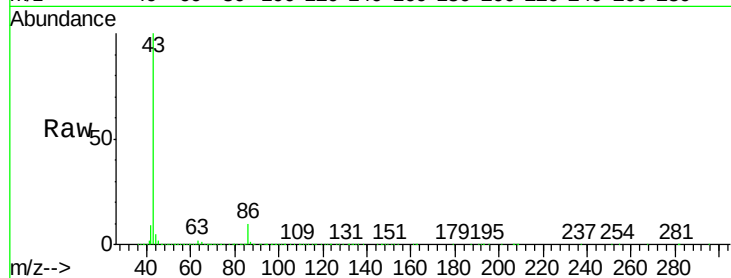
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 50.053 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

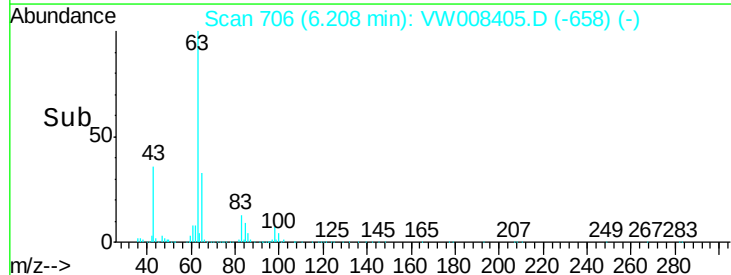
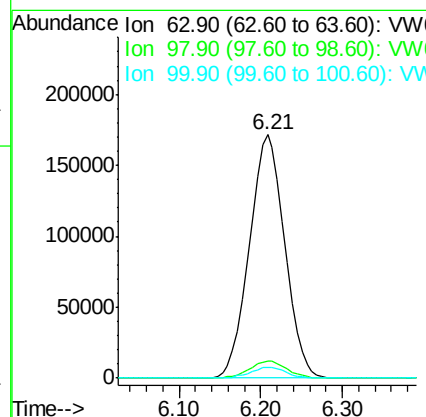
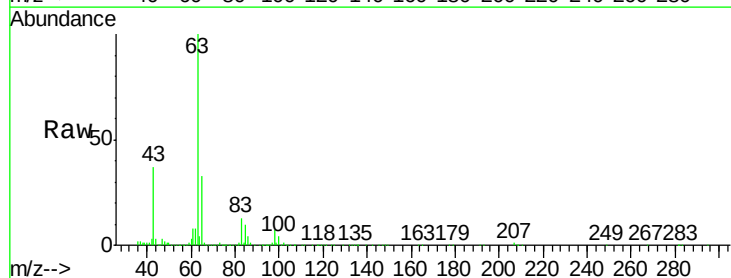
Tgt Ion: 63 Resp: 517219

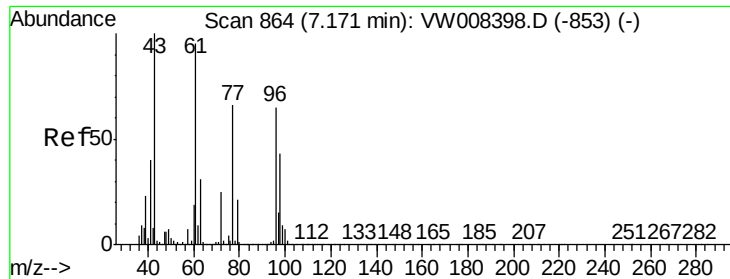
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.4 2.1 6.2





#25

2-Butanone

Concen: 238.663 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 405296

Ion Ratio Lower Upper

43 100

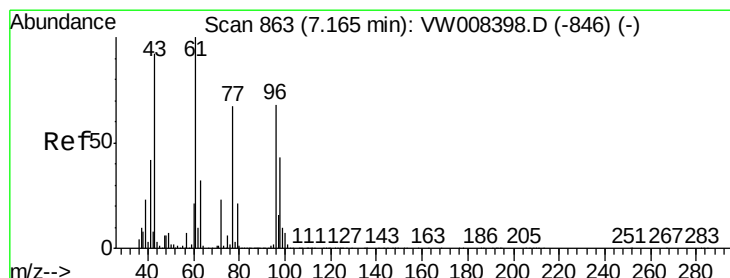
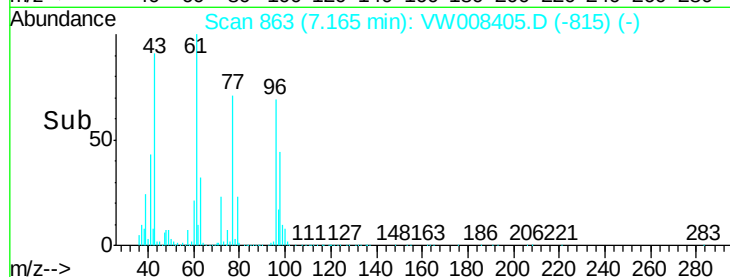
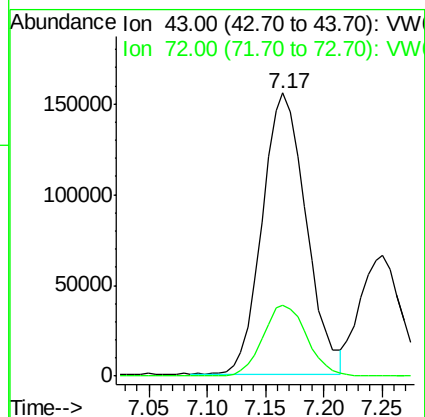
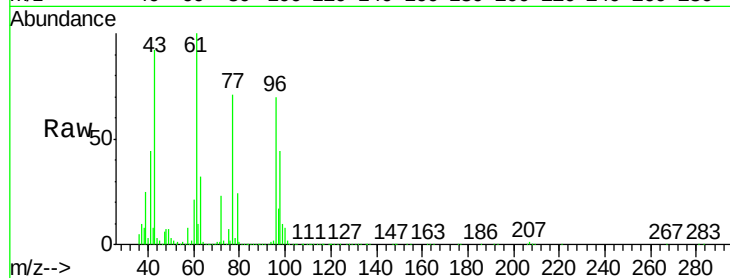
72 25.2 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.857 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008405.D

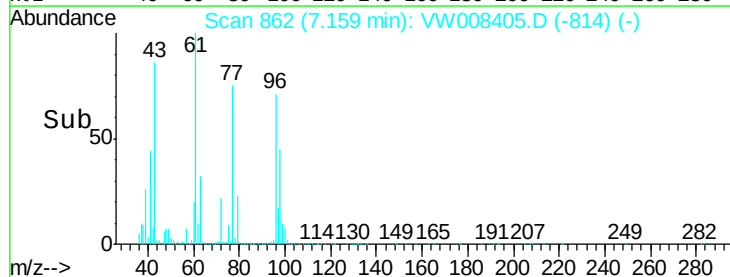
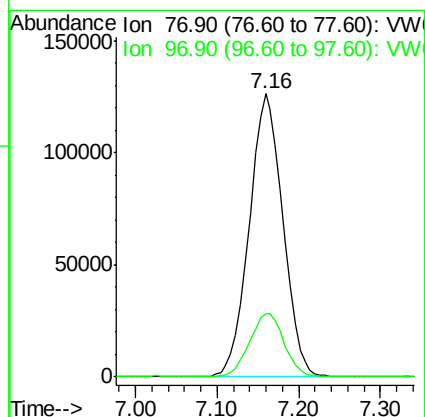
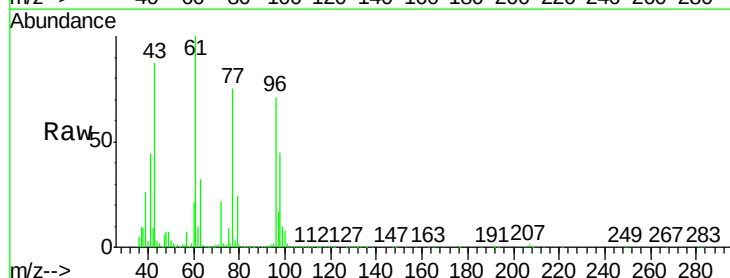
Acq: 25 Jan 2019 12:12

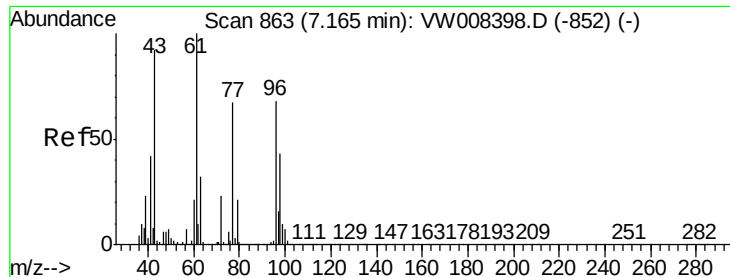
Tgt Ion: 77 Resp: 362209

Ion Ratio Lower Upper

77 100

97 22.5 11.5 34.5





#27

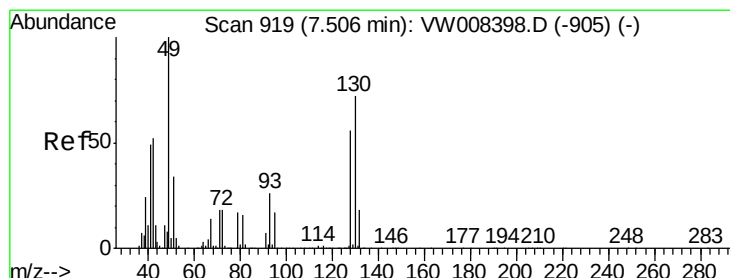
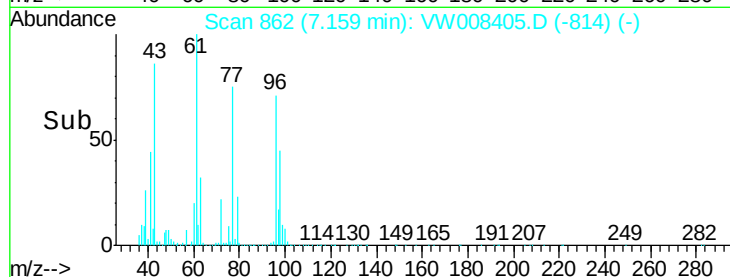
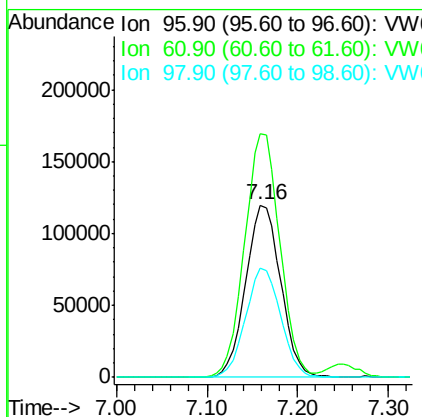
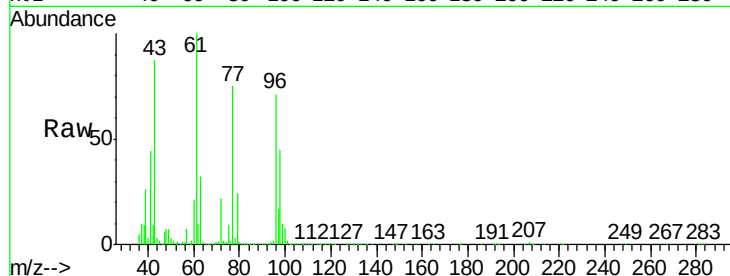
cis-1,2-Dichloroethene
Concen: 50.829 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	315913		
61	144.3	0.0	292.8	
98	64.1	0.0	129.2	

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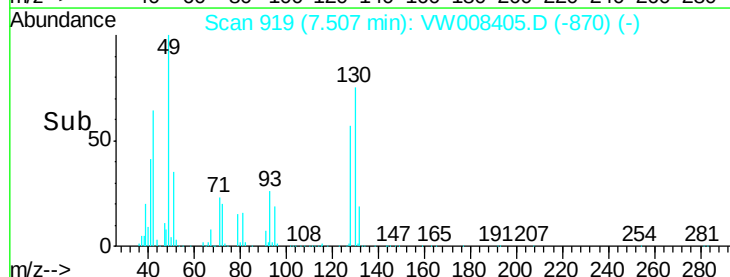
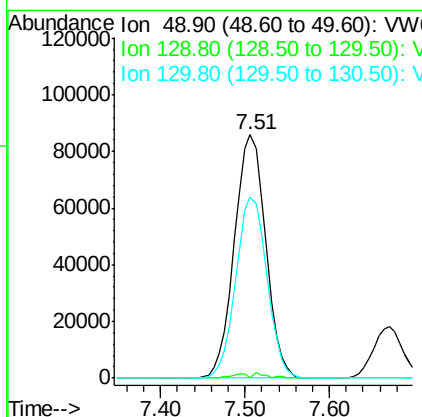
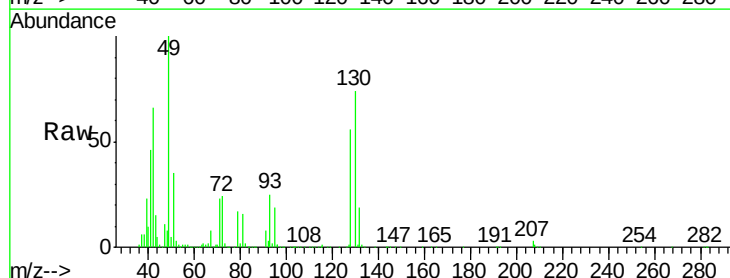
MMDadoda
1/28/2019 12:45:41 PM

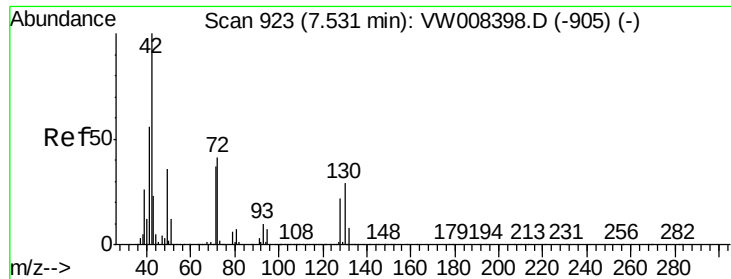


#28

Bromochloromethane
Concen: 45.297 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	214989		
129	0.9	0.0	4.6	
130	74.1	58.6	87.8	





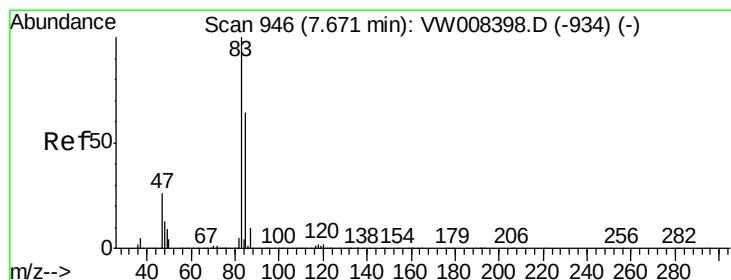
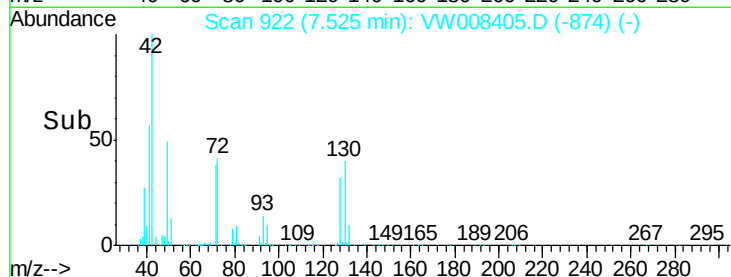
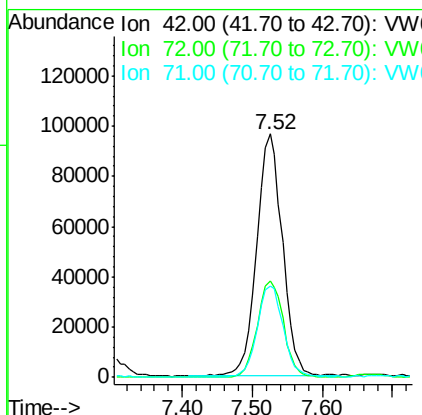
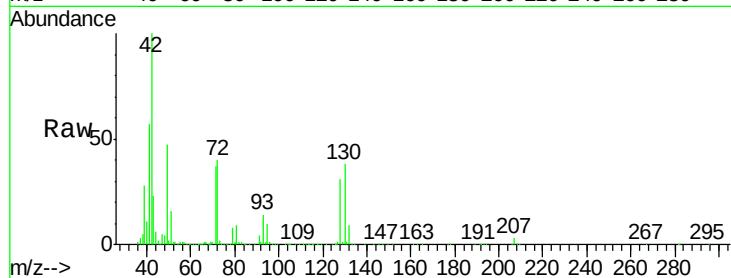
#29
Tetrahydrofuran
Concen: 230.846 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	31.9	47.9
71	37.6	29.9	44.9

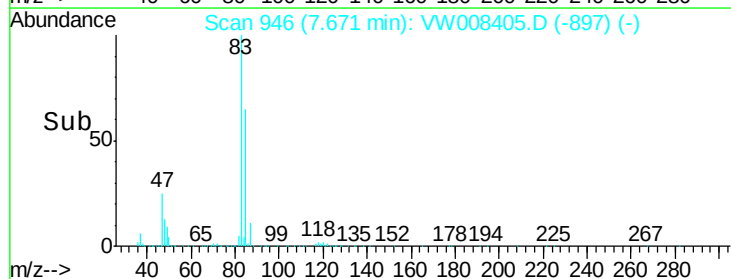
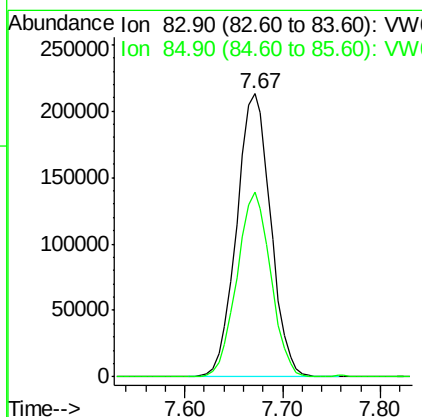
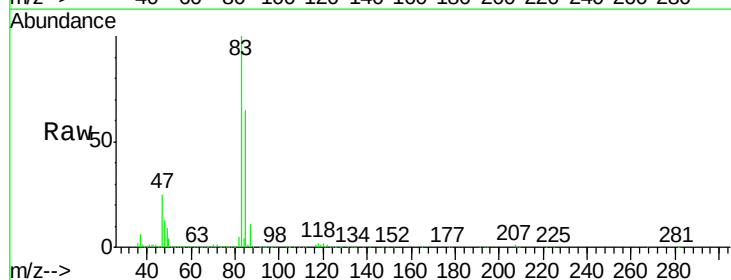
Manual Integrations
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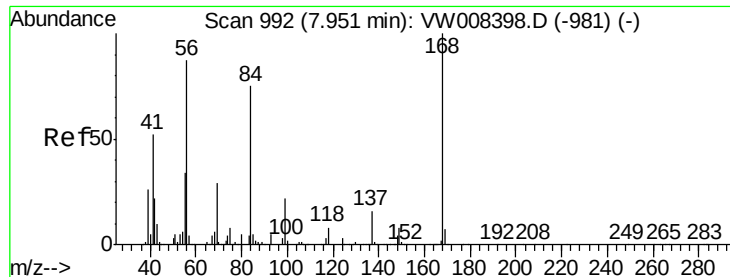
MMDadoda
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#30
Chloroform
Concen: 50.371 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.9	76.3





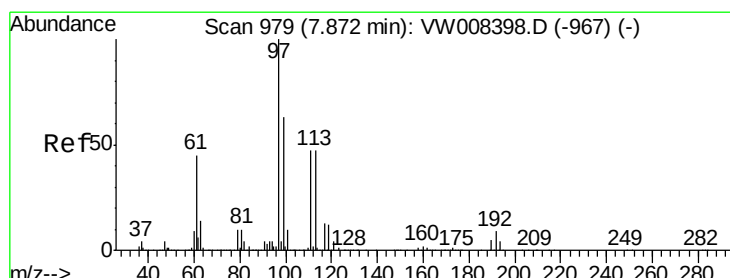
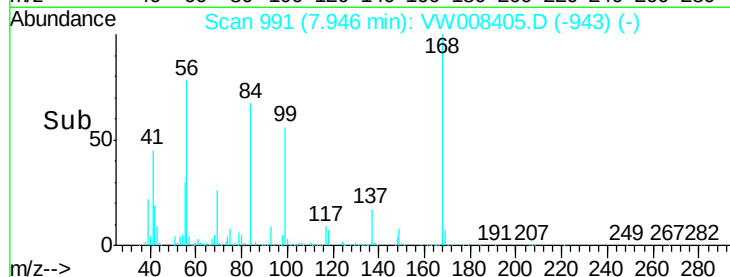
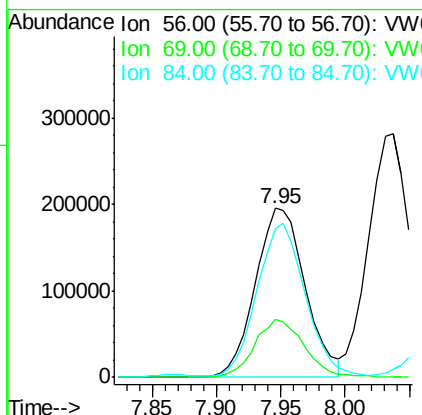
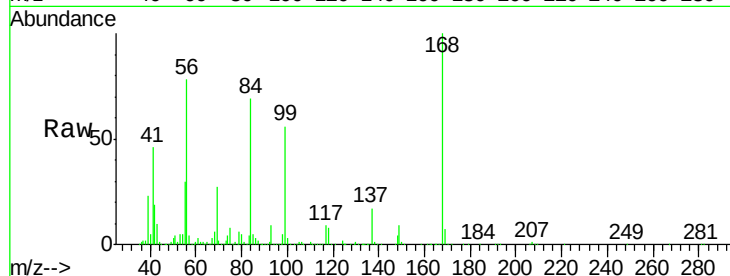
#31
Cyclohexane
Concen: 49.088 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.0	26.4	39.6
84	87.2	69.1	103.7

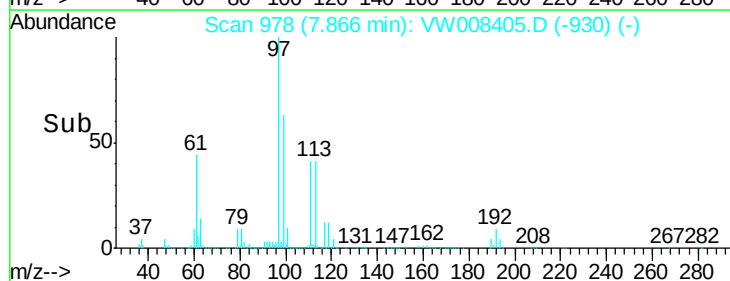
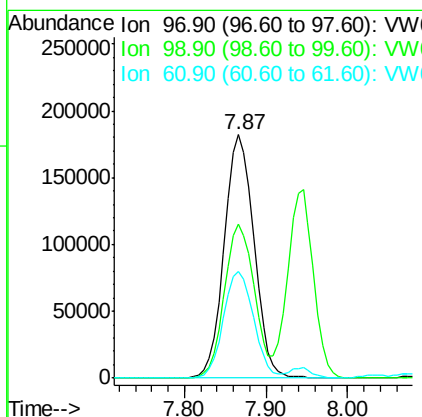
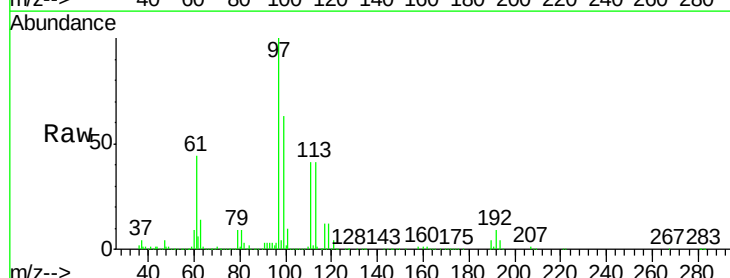
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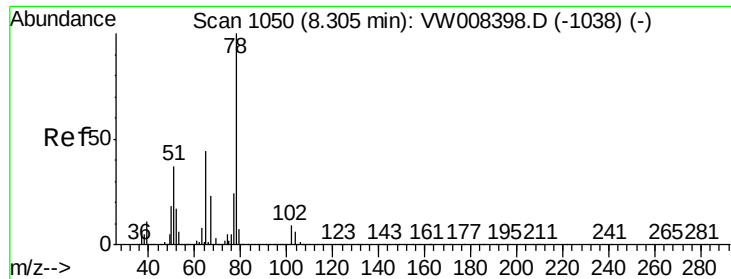
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#32
1,1,1-Trichloroethane
Concen: 52.069 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.3	76.9
61	44.2	36.2	54.4





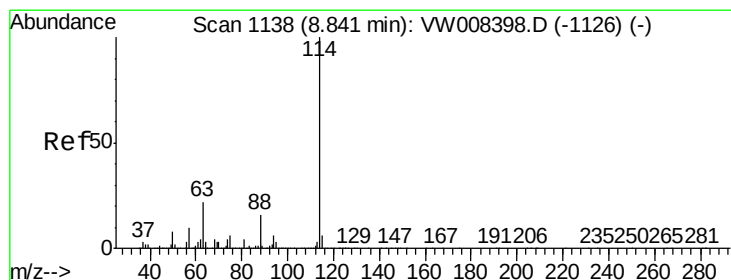
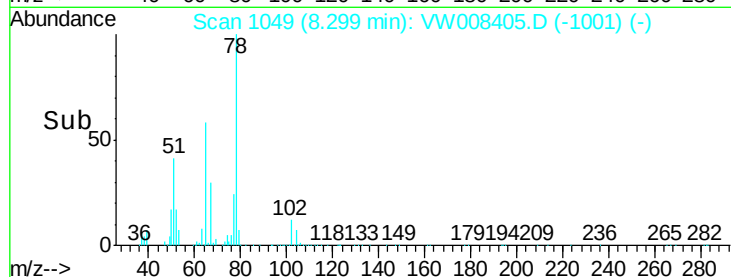
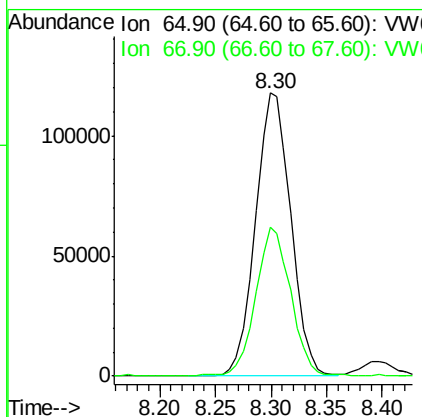
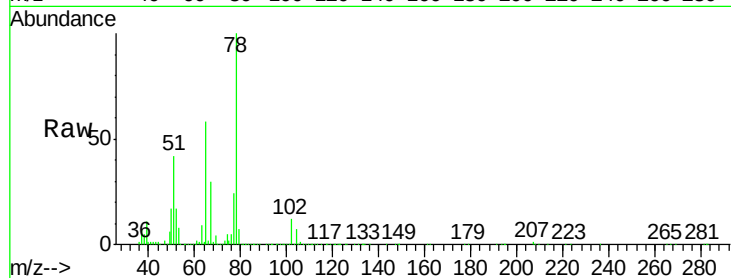
#33
 1,2-Dichloroethane-d4
 Concen: 47.725 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	104.0	

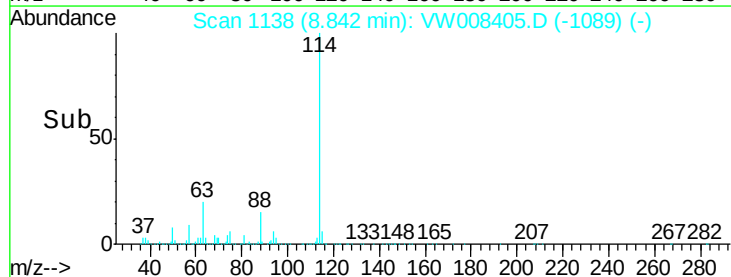
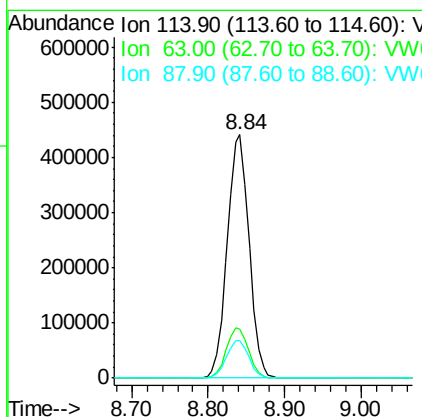
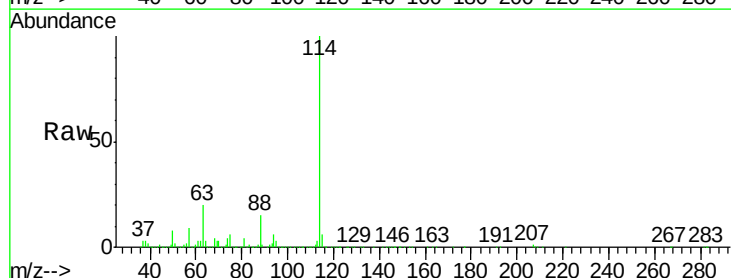
Manual Integrations
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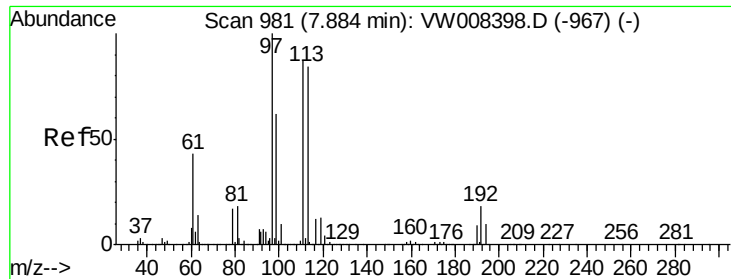
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	43.6	
88	15.3	0.0	31.8	





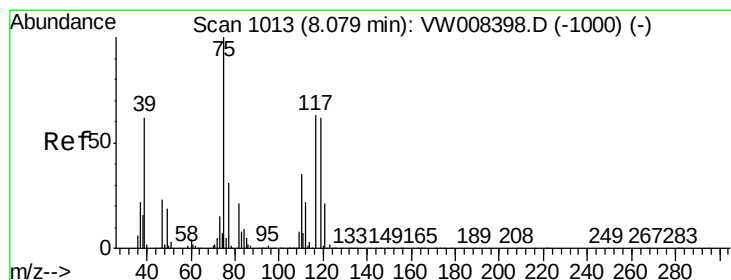
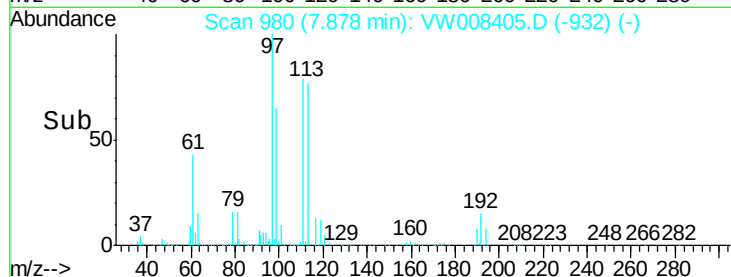
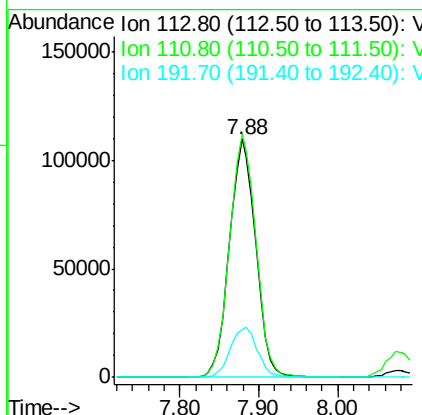
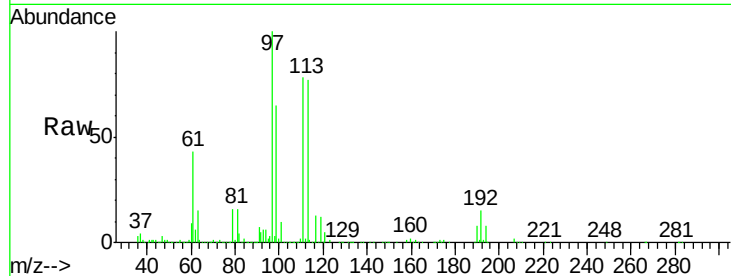
#35
Dibromofluoromethane
Concen: 50.155 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	254315		
111	102.8		81.0	121.4
192	21.8		16.8	25.2

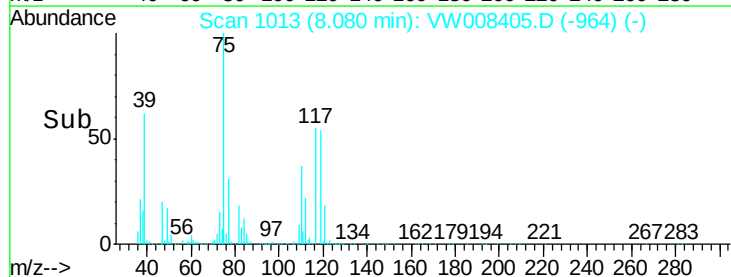
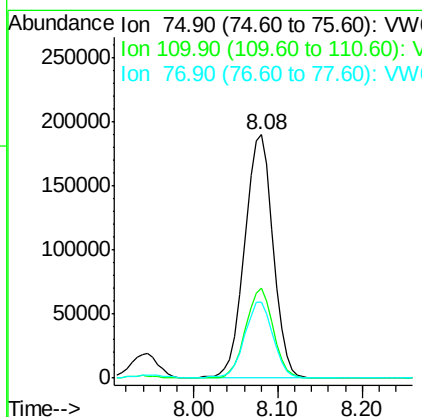
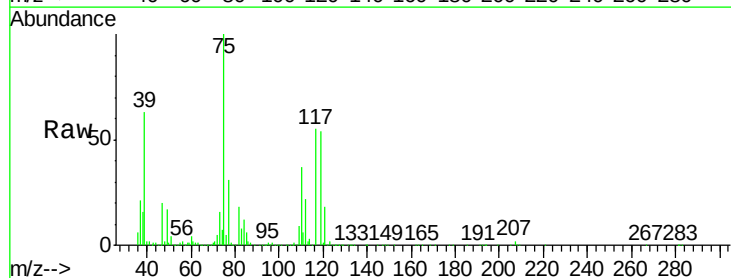
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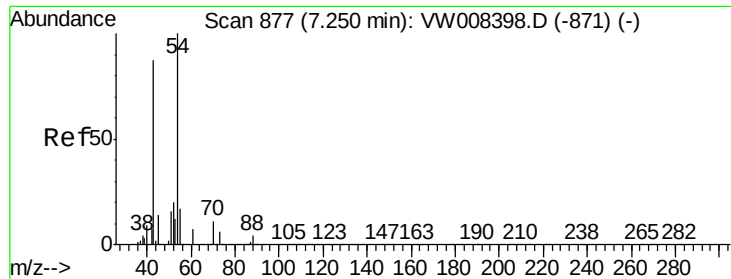
MMDadoda
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#36
1,1-Dichloropropene
Concen: 52.797 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	432477		
110	35.9		17.3	52.0
77	31.2		24.7	37.1





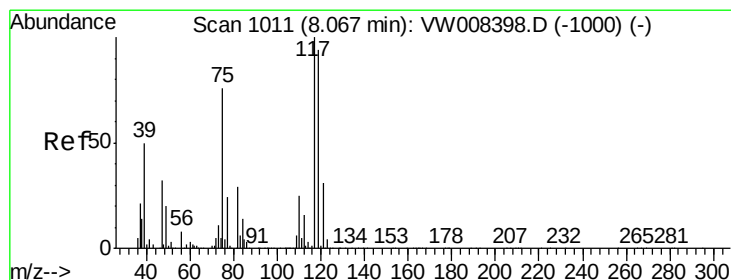
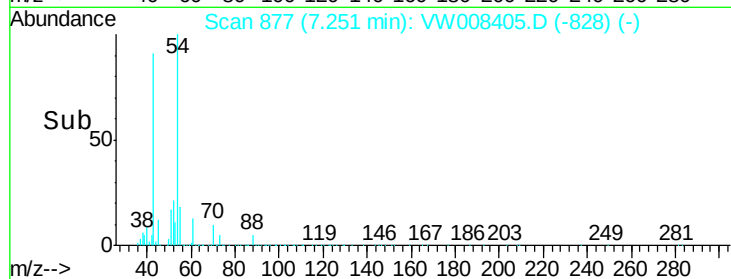
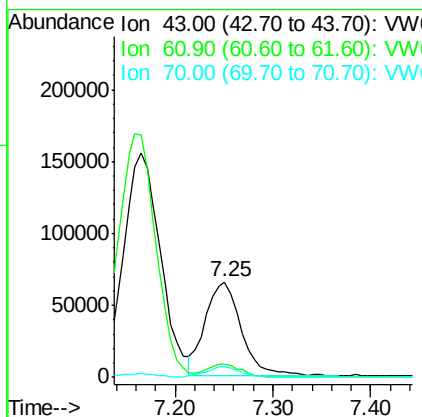
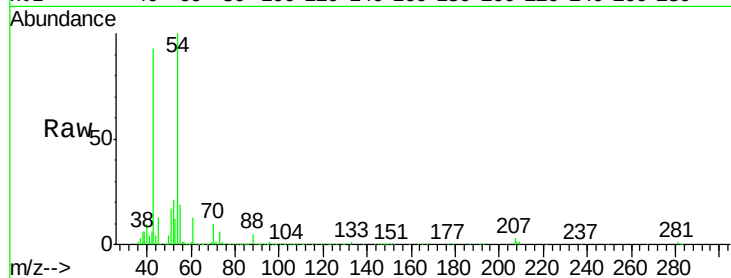
#37
Ethyl Acetate
Concen: 46.156 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.1	15.1
70	9.8	7.8	11.6

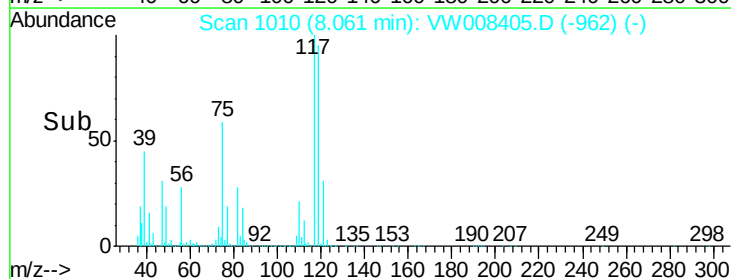
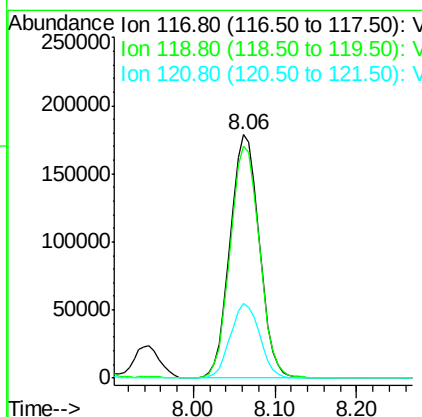
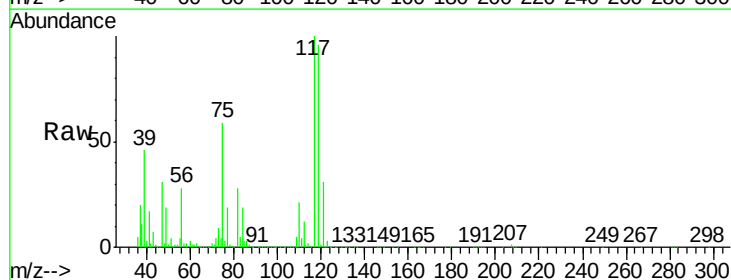
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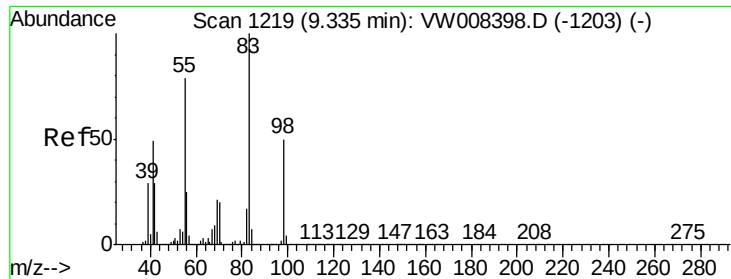
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1/28/2019 12:45:41 PM



#38
Carbon Tetrachloride
Concen: 53.546 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.0	112.4
121	30.8	24.9	37.3





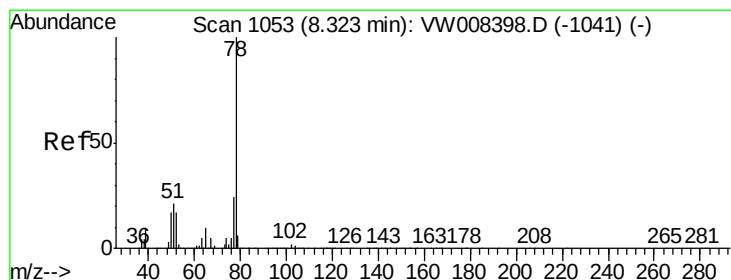
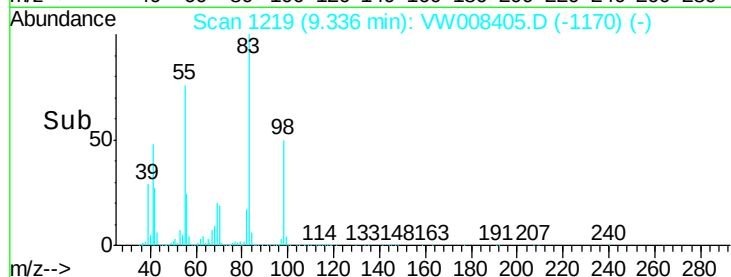
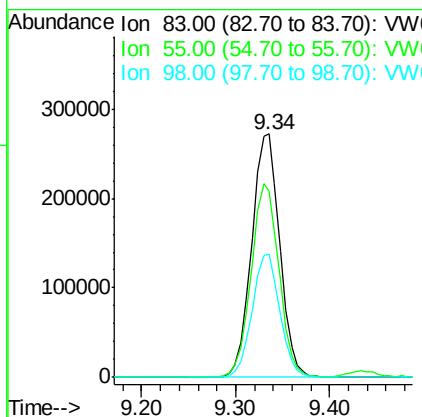
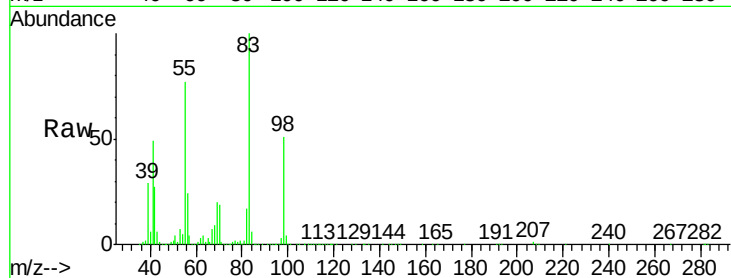
#39
Methylvlcyclohexane
Concen: 52.946 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	569733		
55	76.4		63.3	94.9
98	50.5		39.7	59.5

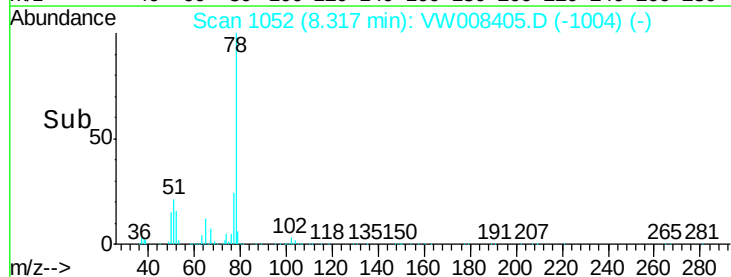
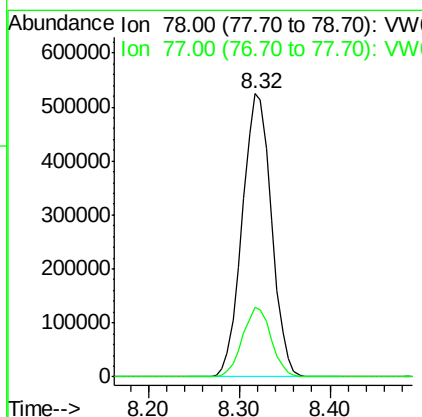
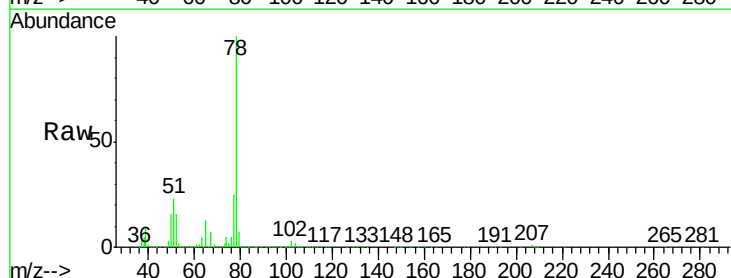
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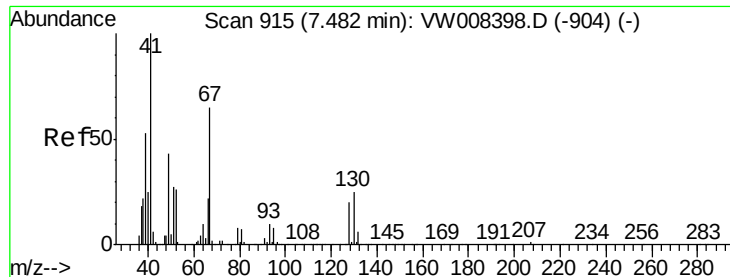
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#40
Benzene
Concen: 51.524 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1171137		
77	24.4		19.0	28.6





#41

Methacrylonitrile

Concen: 46.132 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

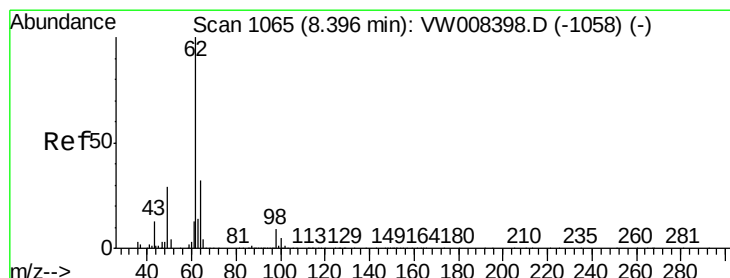
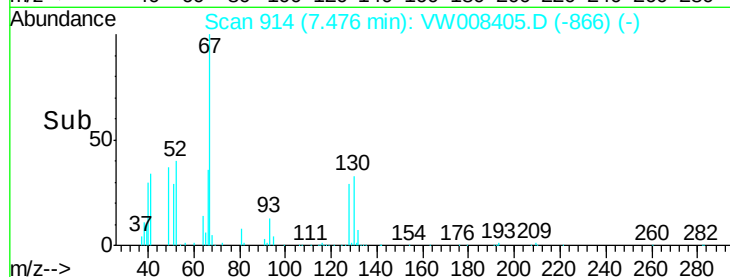
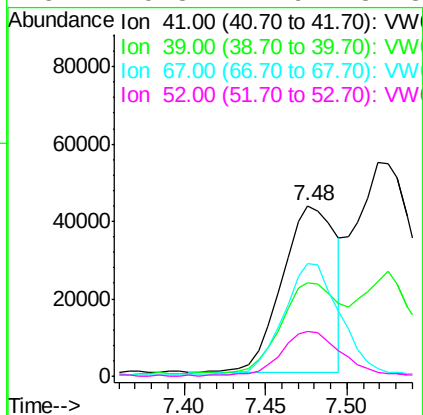
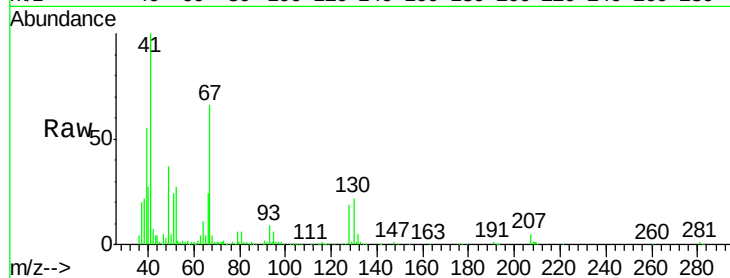
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		98993		
39	61.3	43.4	65.0		
67	70.4	54.2	81.2		
52	29.8	22.9	34.3		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.087 ug/l

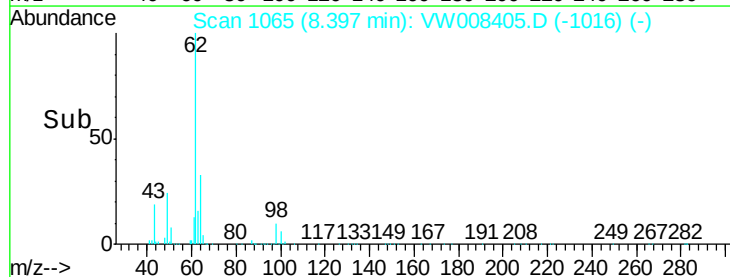
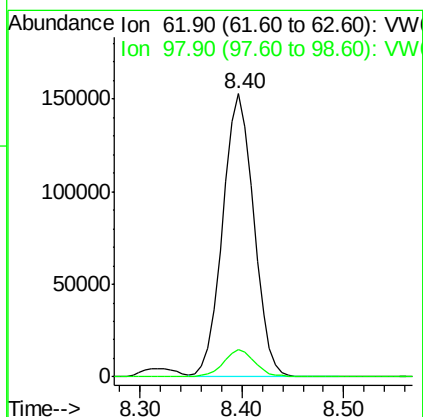
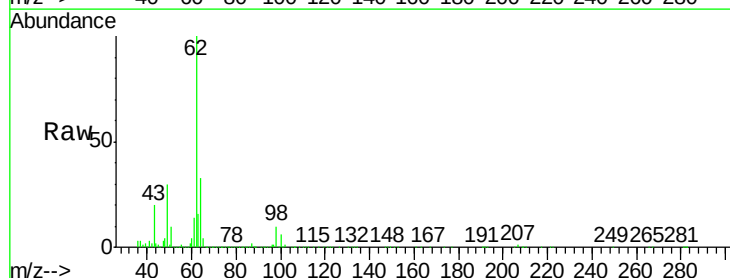
RT: 8.40 min Scan# 1065

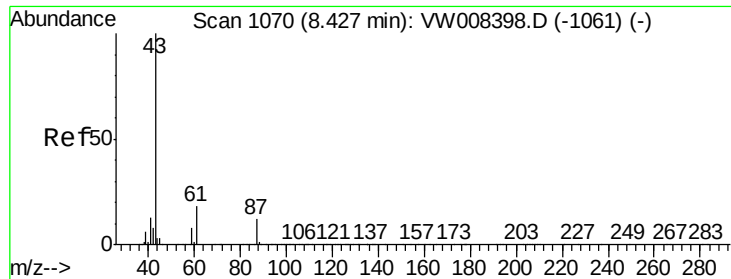
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		323336		
98	9.4	0.0	18.6		





#43

Isopropyl Acetate

Concen: 46.632 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

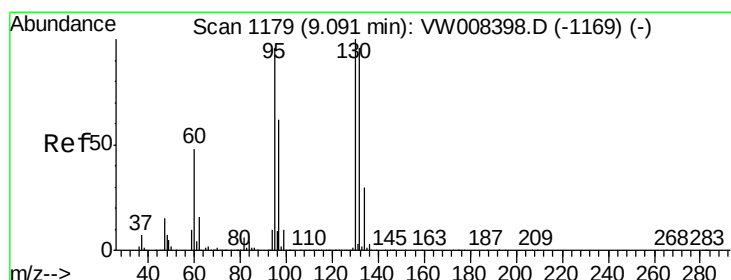
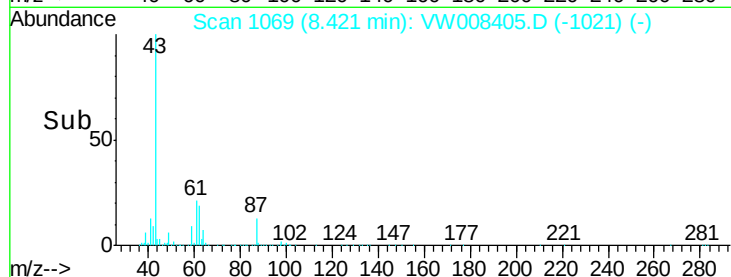
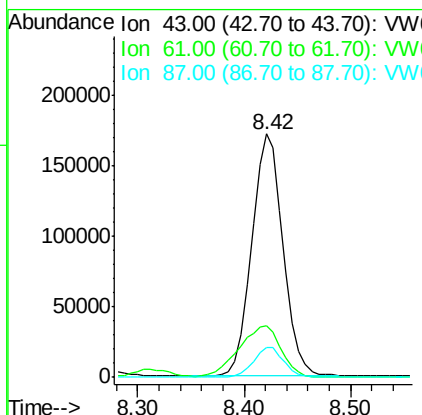
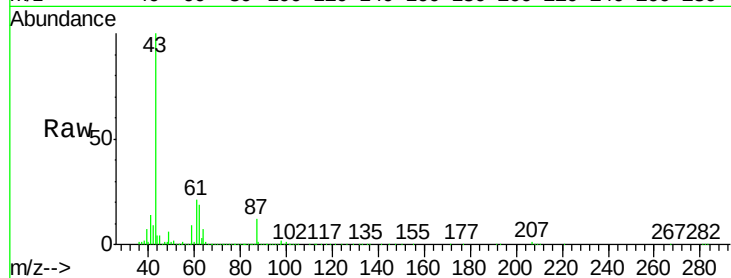
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	351099
Ion	Ratio	Lower	Upper
43	100		
61	28.4	22.0	33.0
87	12.3	9.3	13.9

Manual Integrations
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#44

Trichloroethene

Concen: 52.759 ug/l

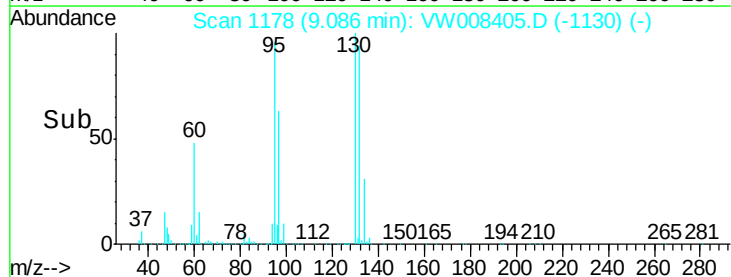
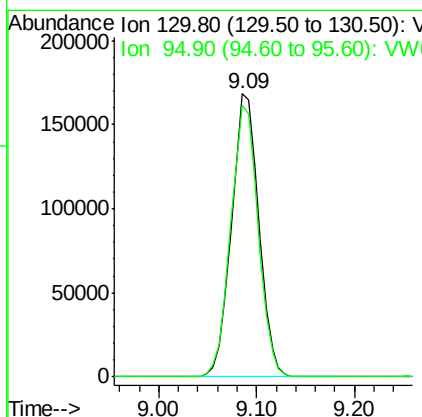
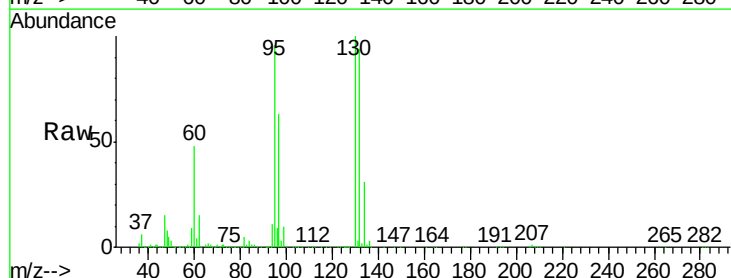
RT: 9.09 min Scan# 1178

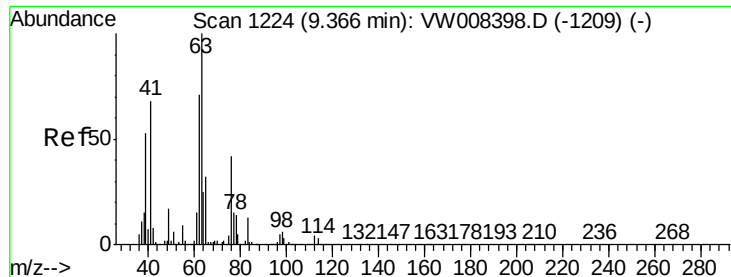
Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	130	Resp:	326105
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	191.6





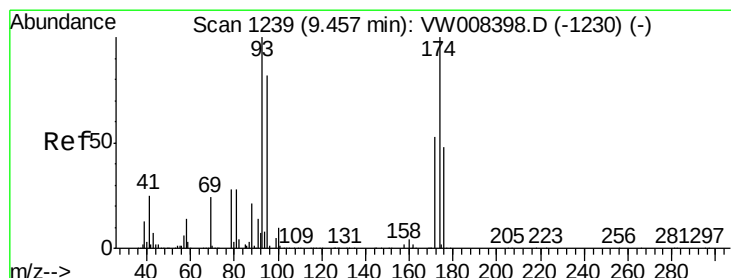
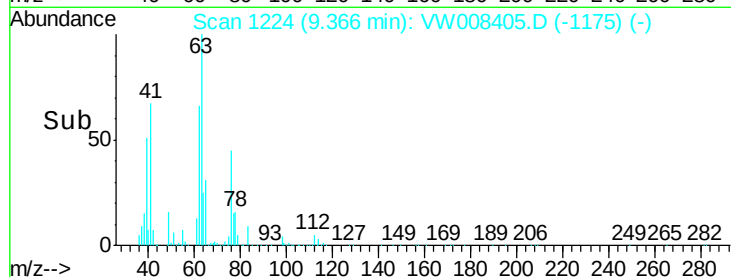
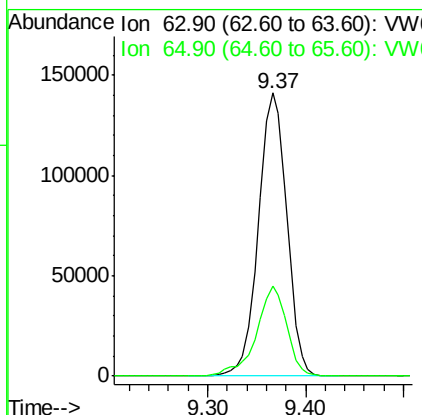
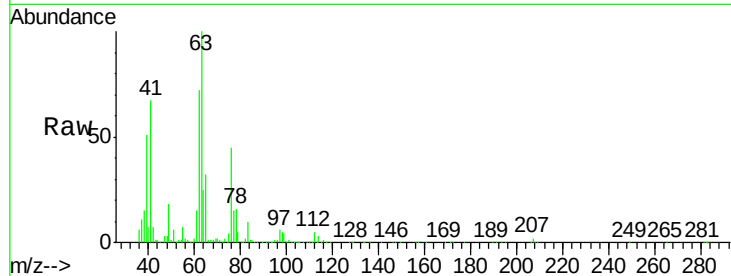
#45
 1,2-Dichloropropane
 Concen: 50.247 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 284773
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.2 37.8

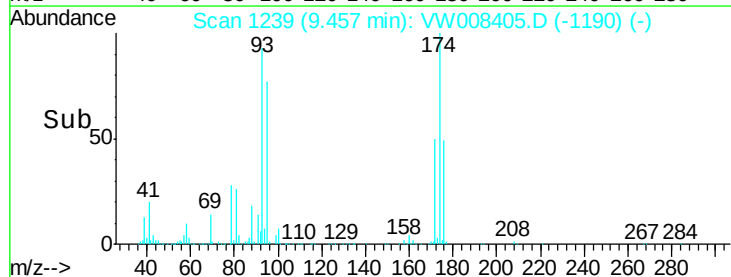
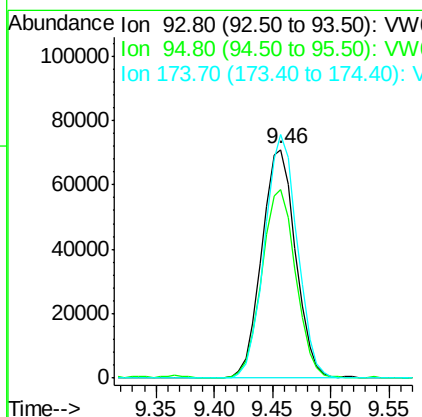
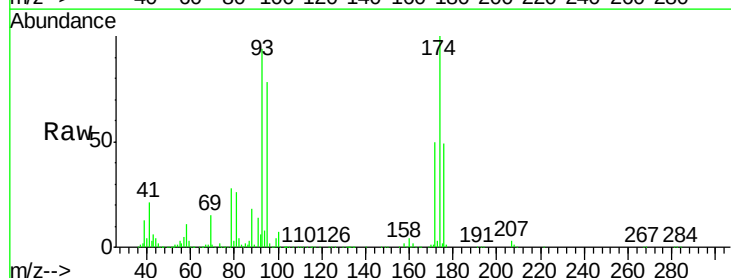
Manual Integrations
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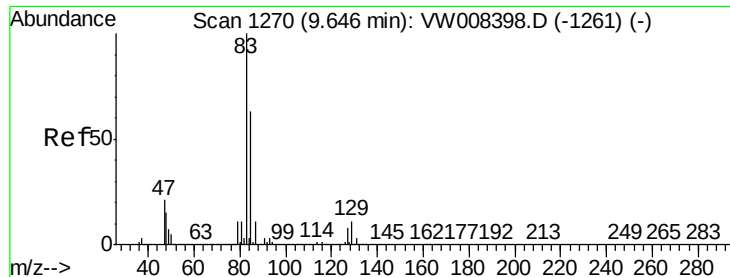
MMDadoda
 1/28/2019 12:45:41 PM



#46
 Dibromomethane
 Concen: 49.410 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion: 93 Resp: 144028
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.9 98.9
 174 102.8 81.0 121.6





#47

Bromodichloromethane

Concen: 50.414 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

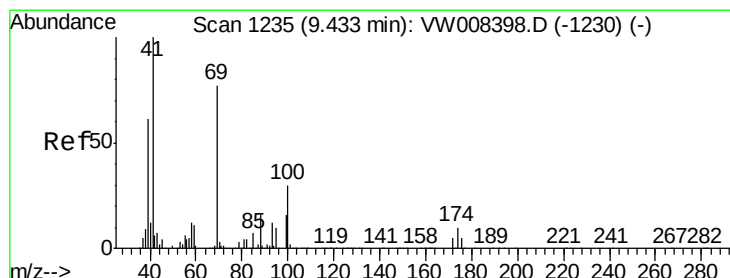
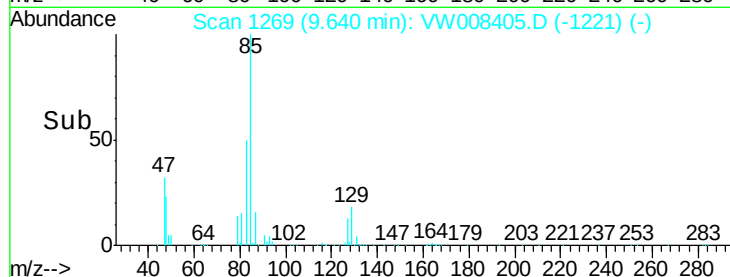
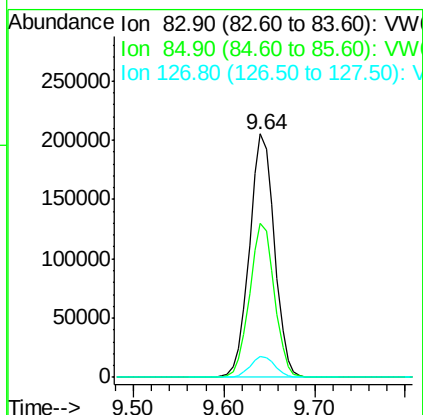
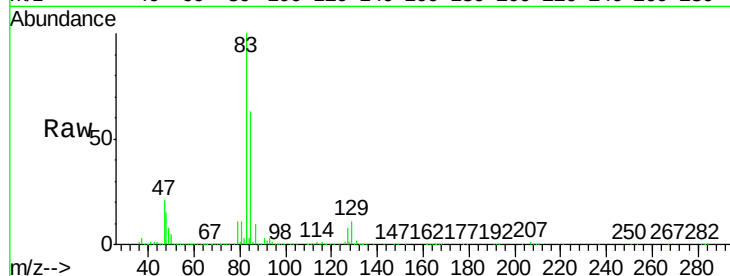
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	388699
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.8	76.2
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.283 ug/l

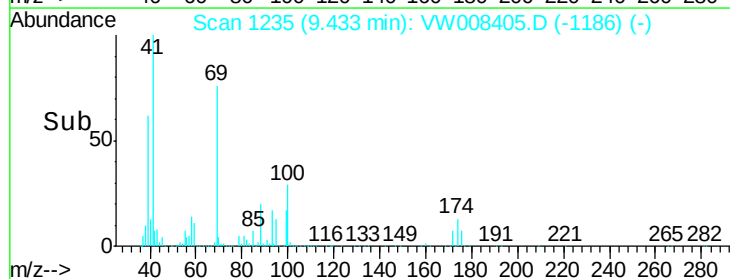
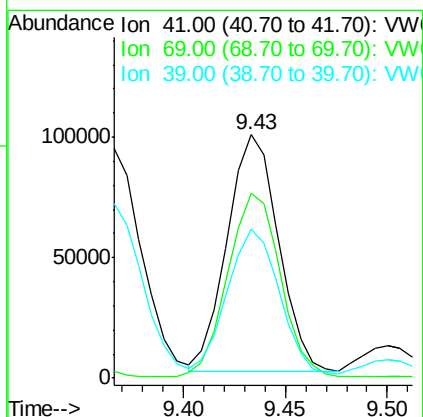
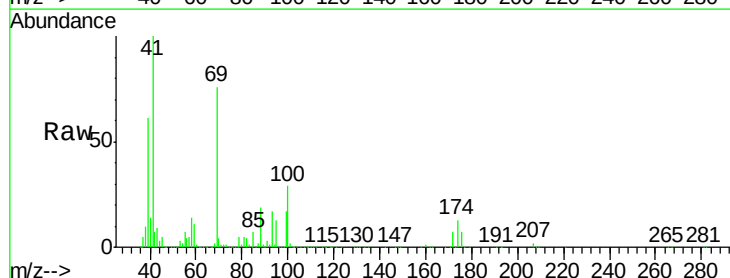
RT: 9.43 min Scan# 1235

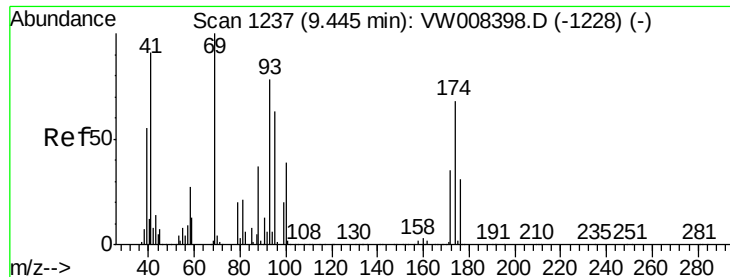
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	41	Resp:	170390
Ion Ratio	Lower	Upper	
41	100		
69	80.7	64.8	97.2
39	61.9	49.1	73.7





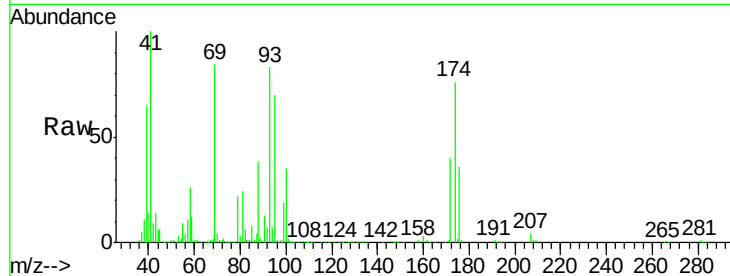
#49
1,4-Dioxane
Concen: 998.766 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	29.0	43.4
58	69.2	56.4	84.6

Manual Integrations
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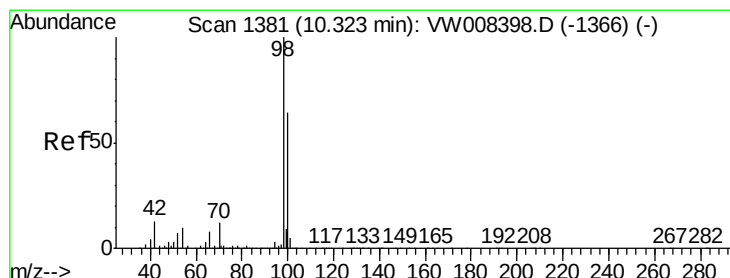
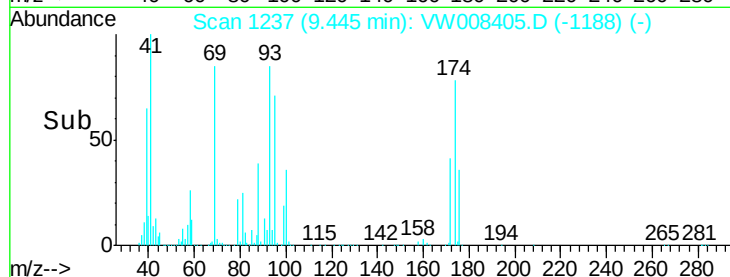
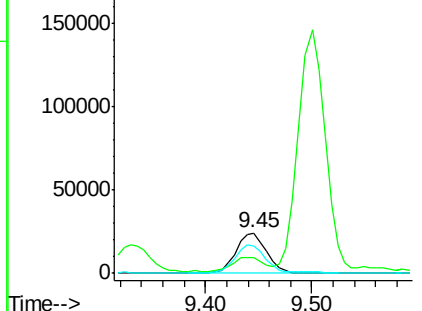


Abundance

Ion 88.00 (87.70 to 88.70): VW

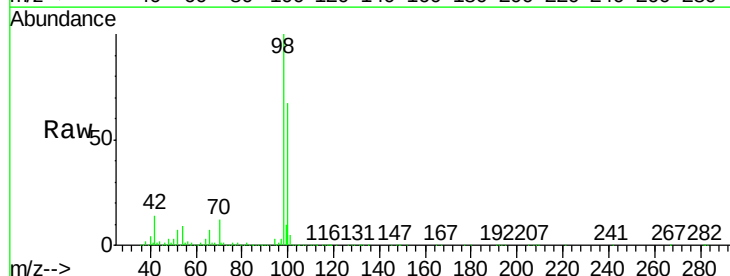
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.008 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

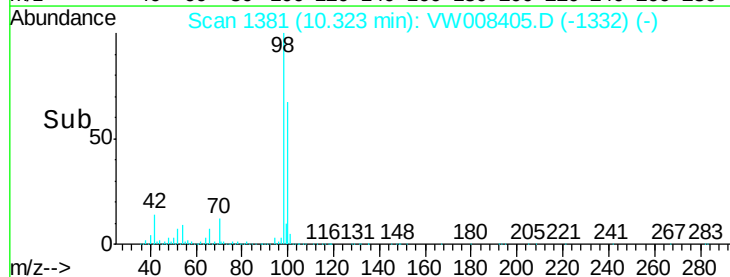
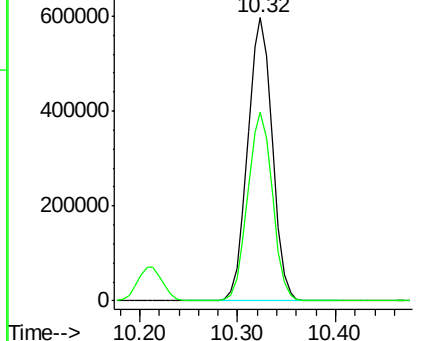
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.6	78.8

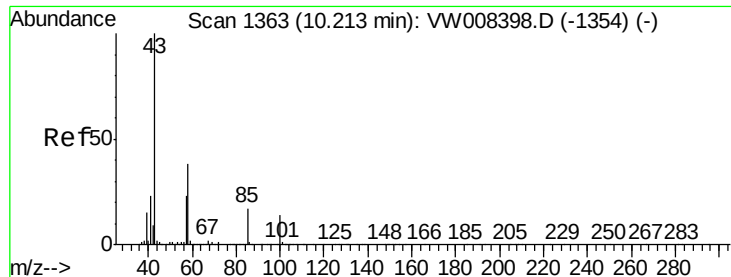


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





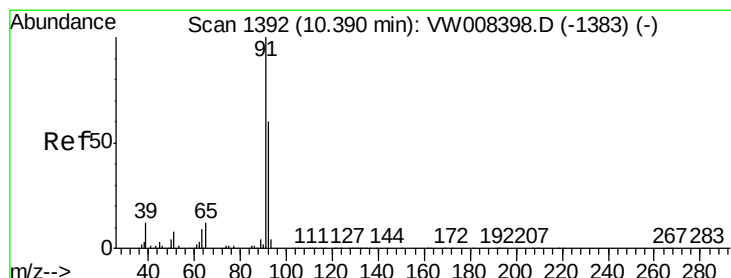
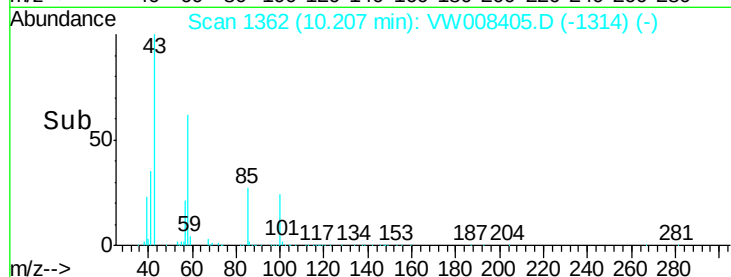
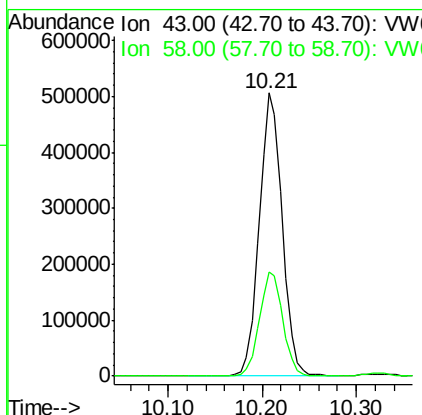
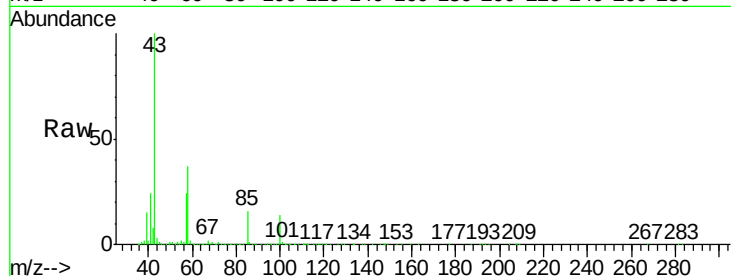
#51
4-Methyl-2-Pentanone
Concen: 232.139 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.7	44.5

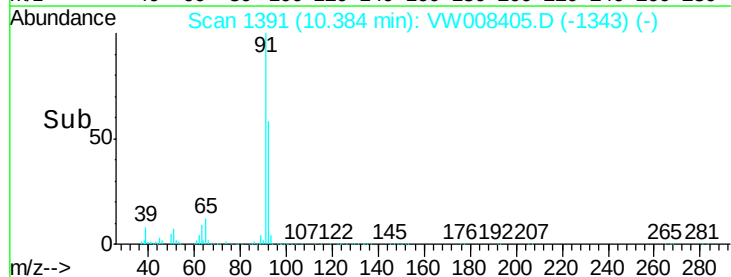
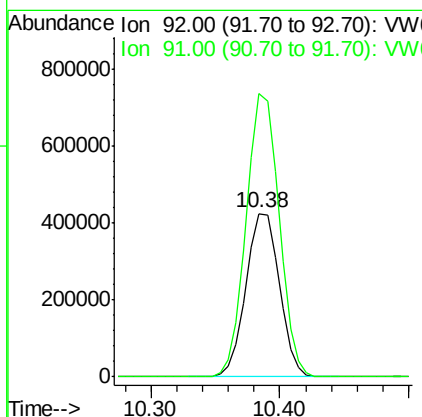
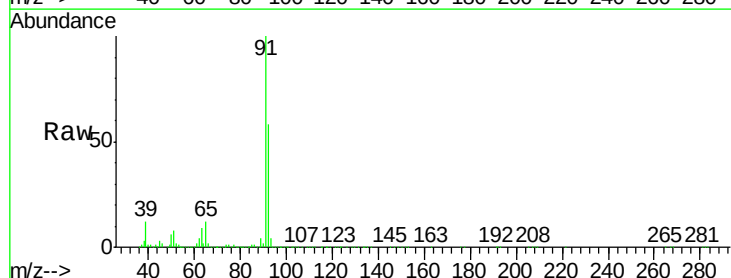
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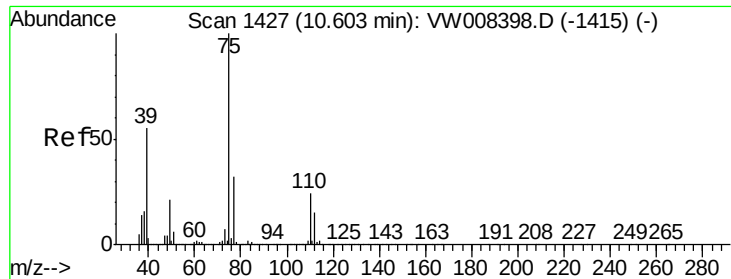
MMDadoda
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#52
Toluene
Concen: 50.925 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	135.5	203.3





#53

t-1,3-Dichloropropene

Concen: 49.519 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 406264

Ion Ratio Lower Upper

75 100

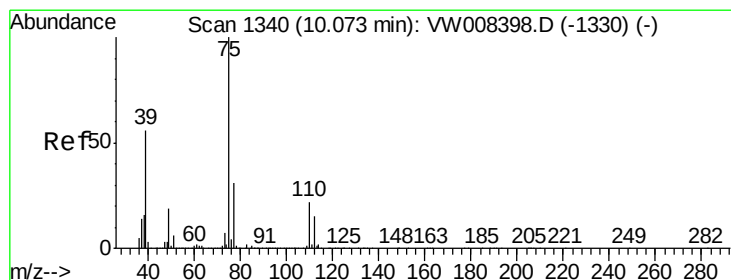
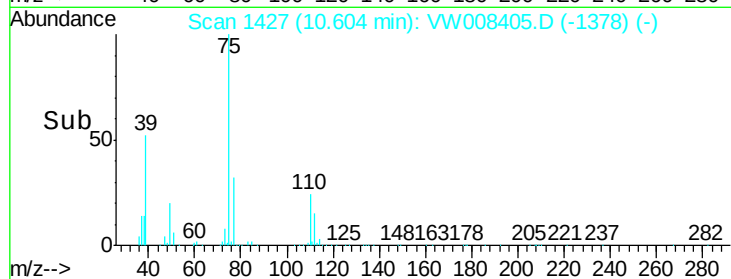
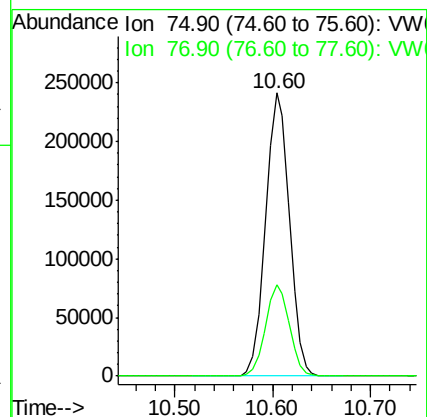
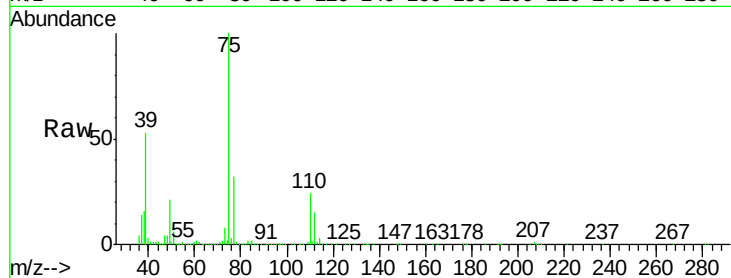
77 32.2 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.407 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

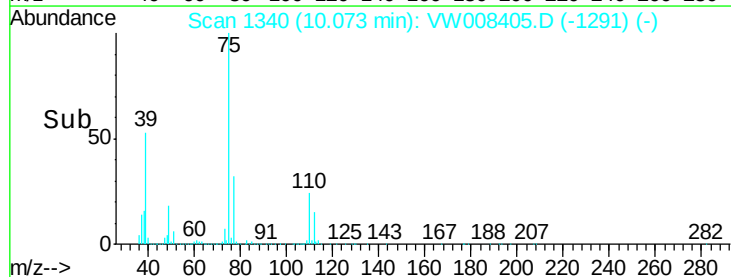
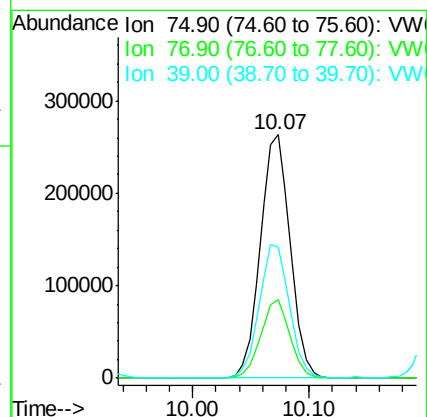
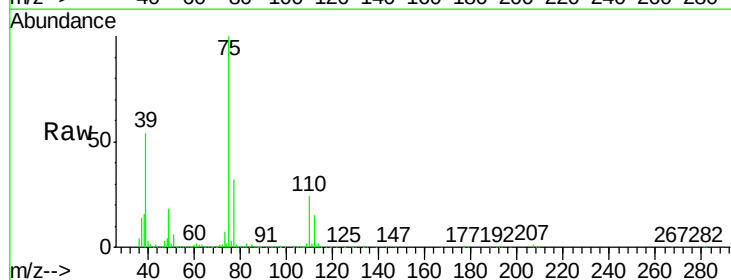
Tgt Ion: 75 Resp: 469308

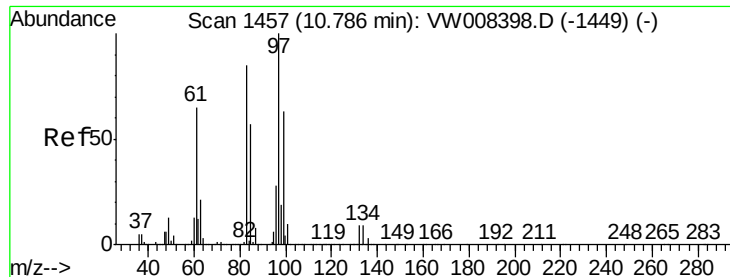
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 53.3 44.9 67.3





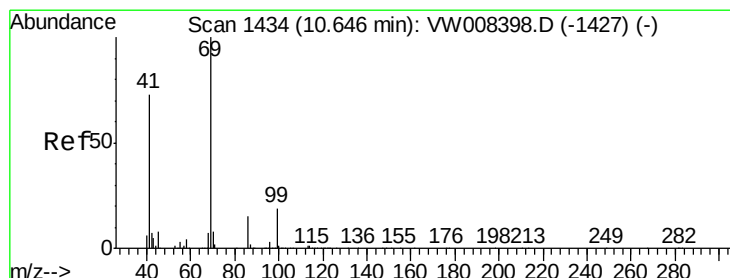
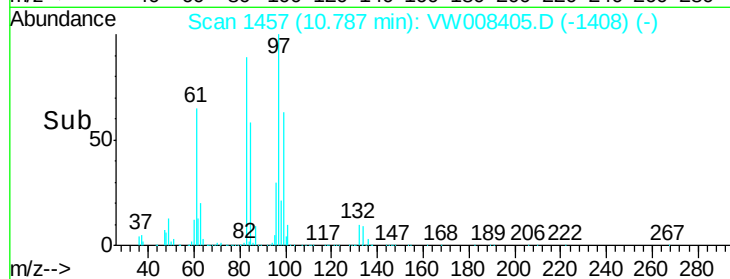
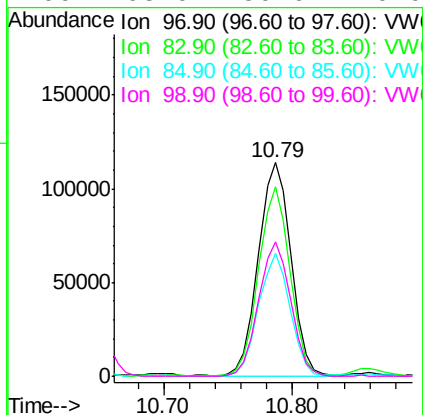
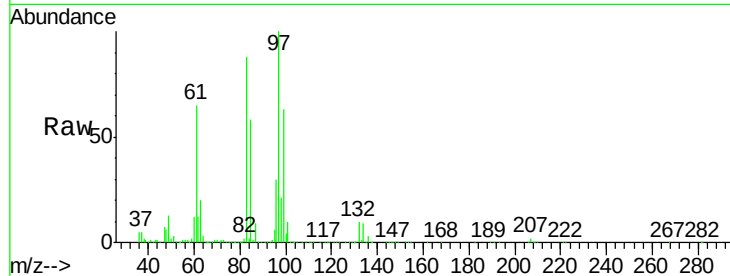
#55
 1,1,2-Trichloroethane
 Concen: 49.446 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	199922
Ion	Ratio	Lower	Upper
97	100		
83	88.2	68.4	102.6
85	57.7	45.3	67.9
99	63.0	50.6	76.0

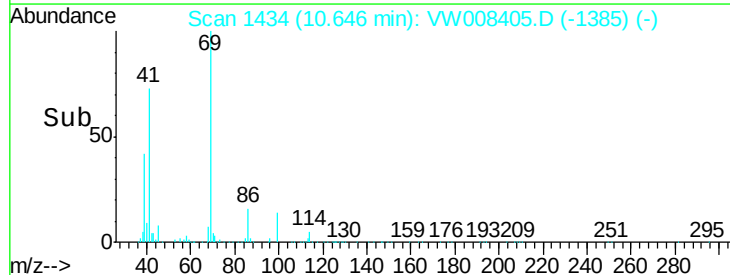
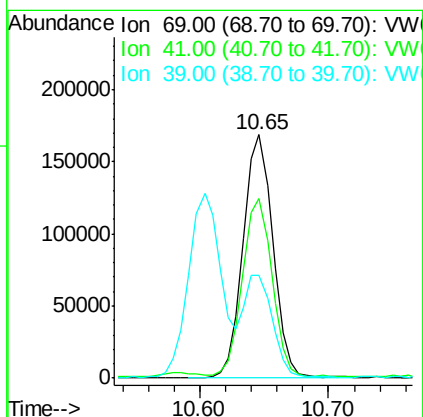
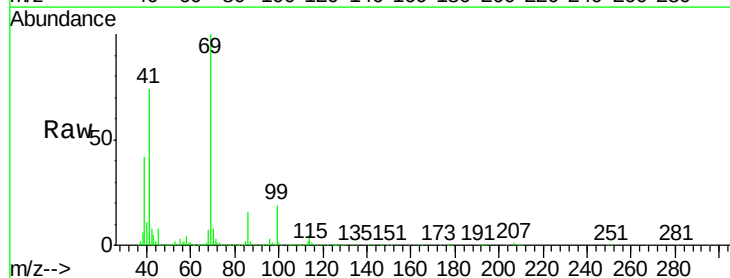
Manual Integrations
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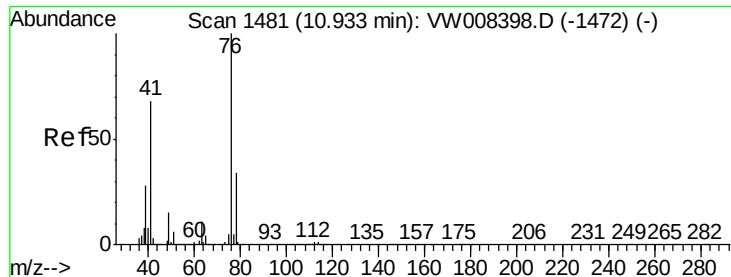
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#56
 Ethyl methacrylate
 Concen: 47.224 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion:	69	Resp:	267541
Ion	Ratio	Lower	Upper
69	100		
41	73.7	58.7	88.1
39	39.7	32.6	48.8





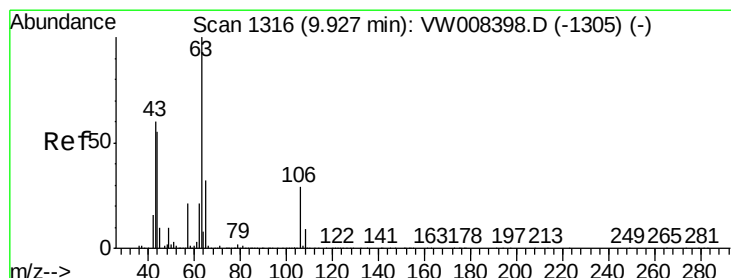
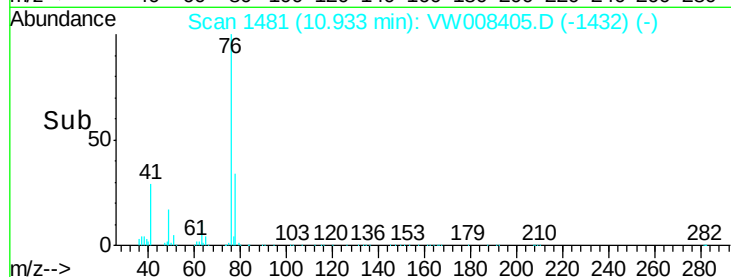
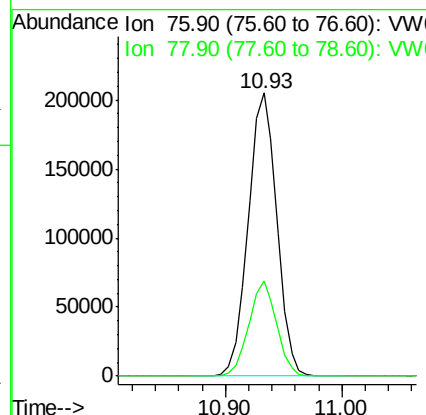
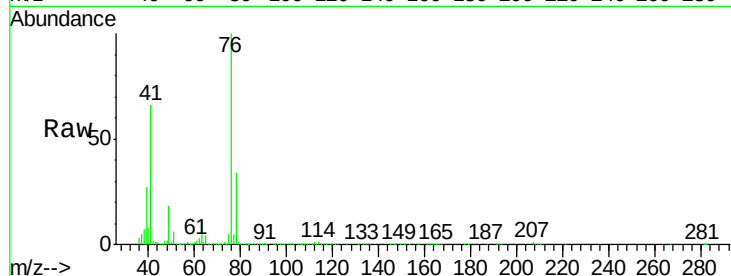
#57
 1,3-Dichloropropane
 Concen: 48.547 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 351652
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8

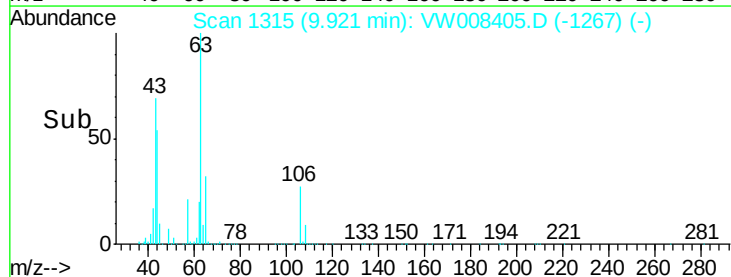
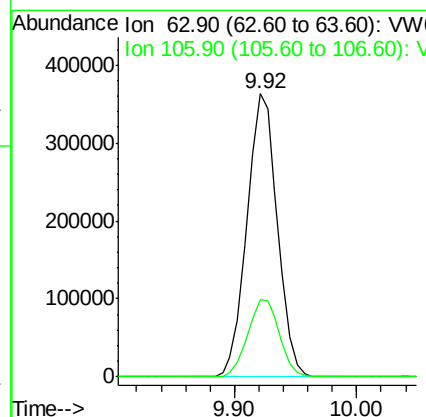
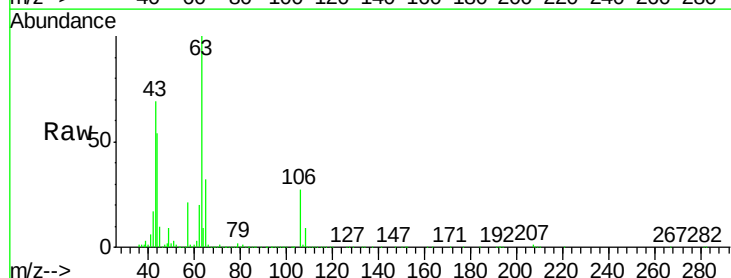
Manual Integrations
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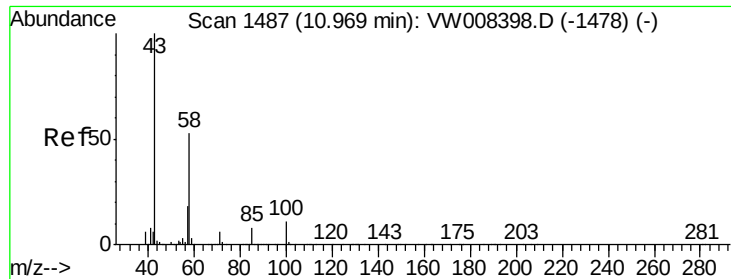
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 1/28/2019 12:45:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.903 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion: 63 Resp: 627340
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.4 33.6





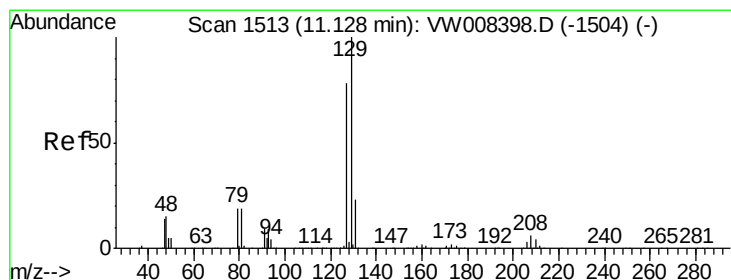
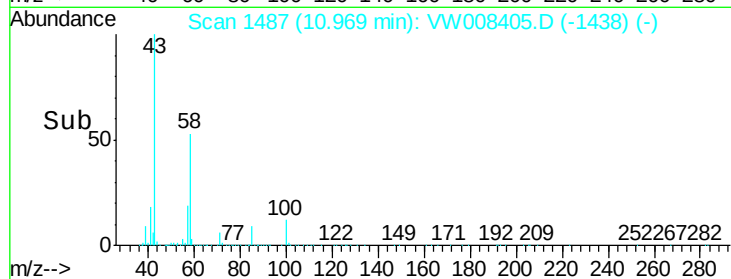
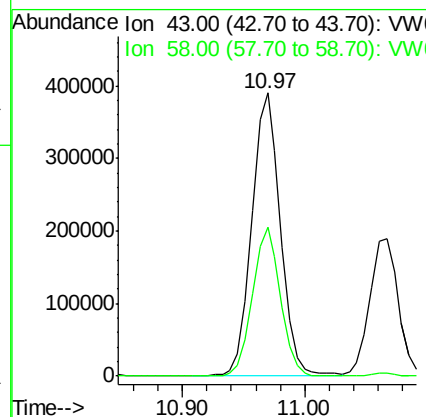
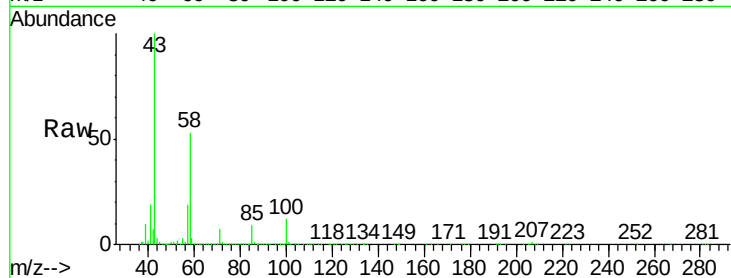
#59
2-Hexanone
Concen: 240.039 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 630317
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.7

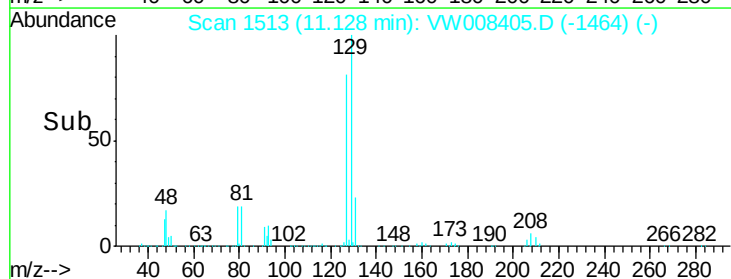
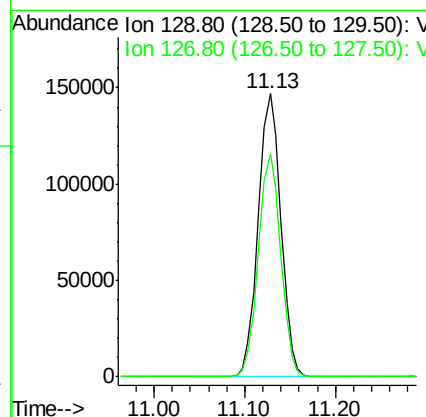
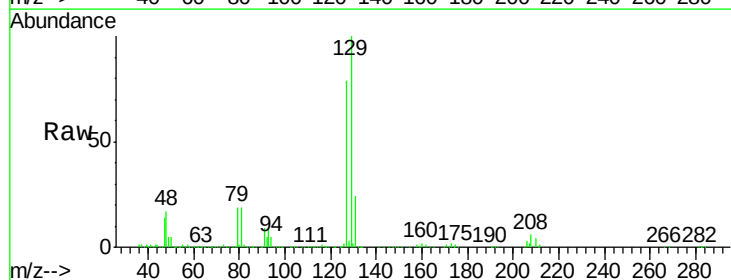
Manual Integrations
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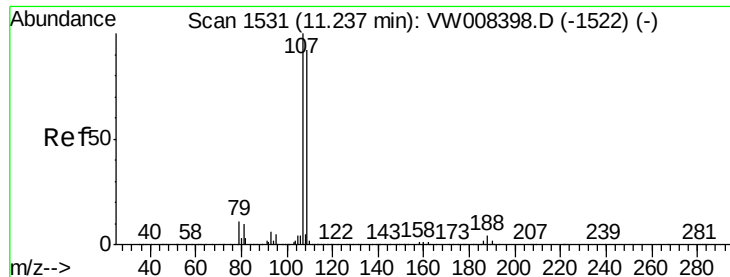
MMDadoda
1/28/2019 12:45:41 PM



#60
Dibromochloromethane
Concen: 49.310 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion: 129 Resp: 256207
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





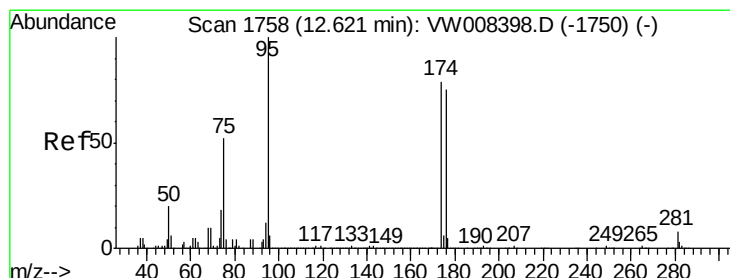
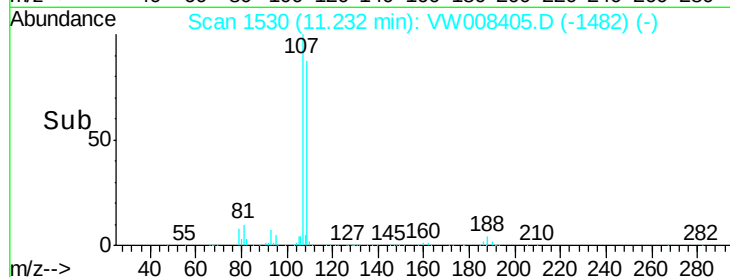
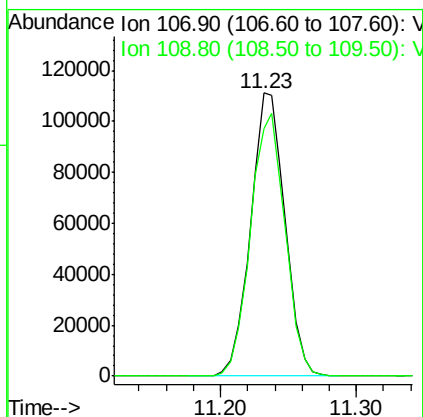
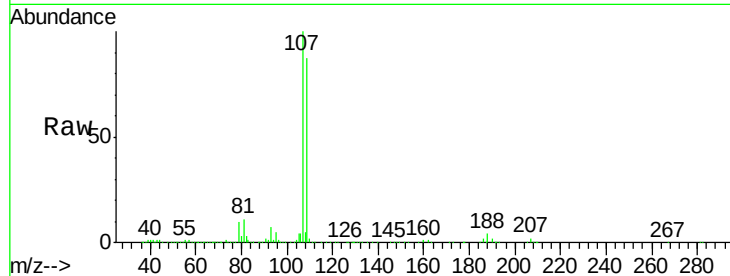
#61
 1,2-Dibromoethane
 Concen: 49.023 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	196536		
109	93.6	75.0	112.4	

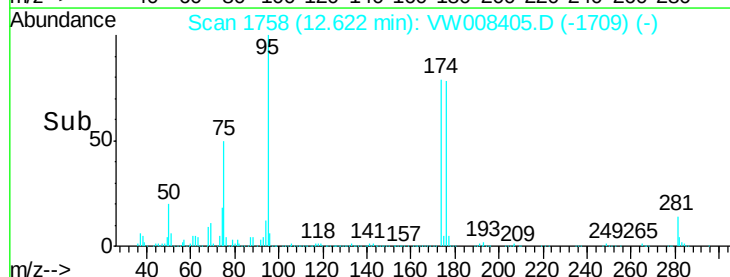
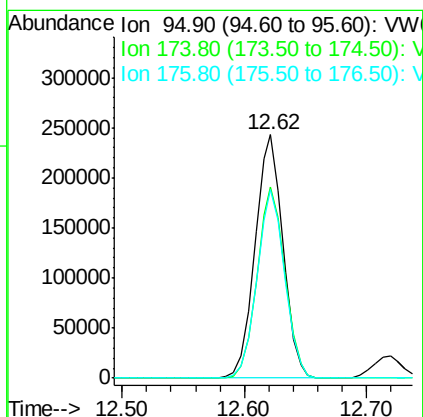
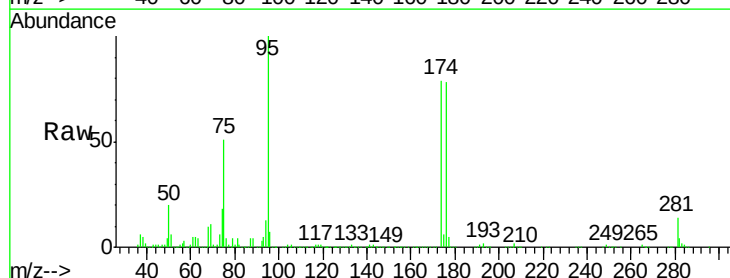
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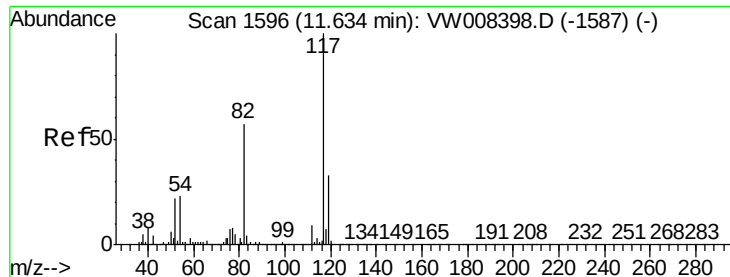
MMDadoda
 1/28/2019 12:45:41 PM



#62
 4-Bromofluorobenzene
 Concen: 49.166 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	384268		
174	78.6	0.0	157.6	
176	77.0	0.0	151.8	





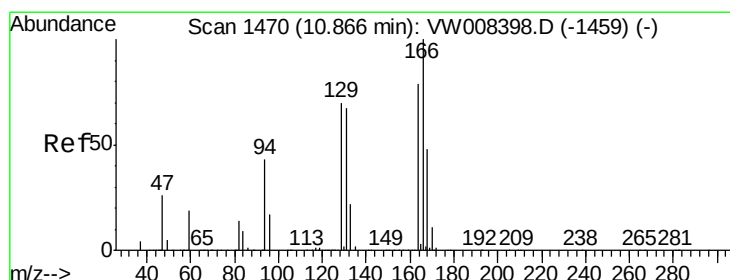
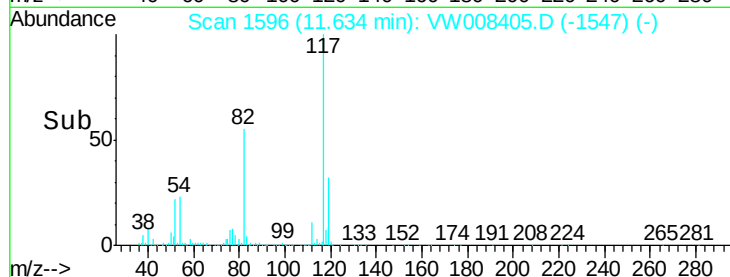
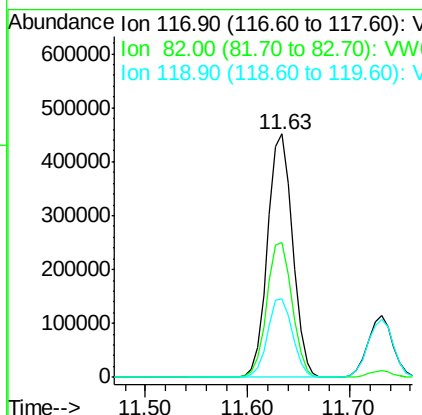
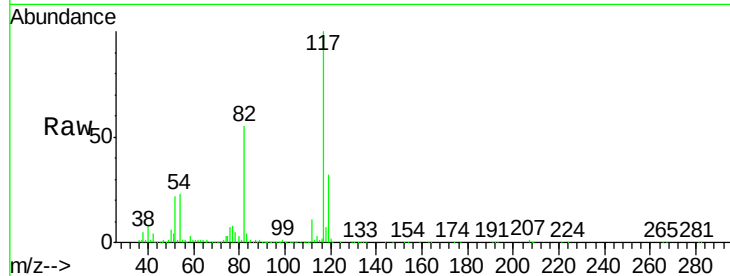
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.4	68.0
119	32.1	26.2	39.4

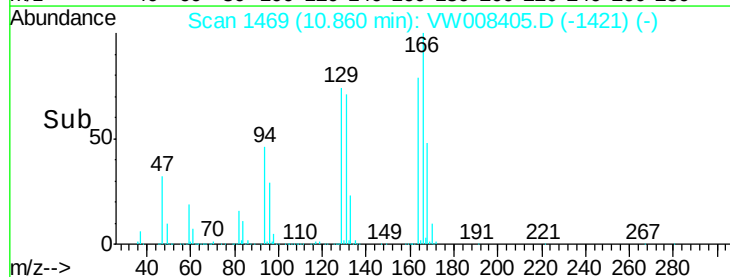
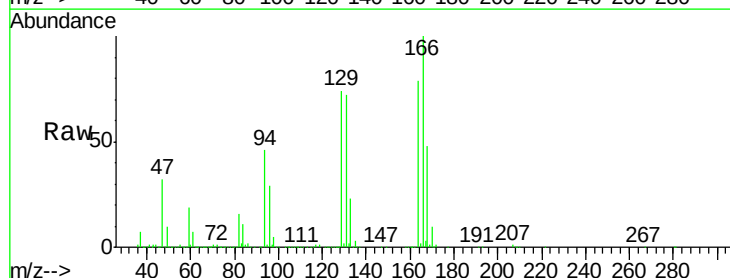
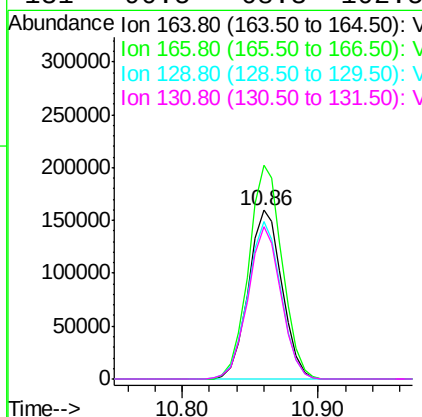
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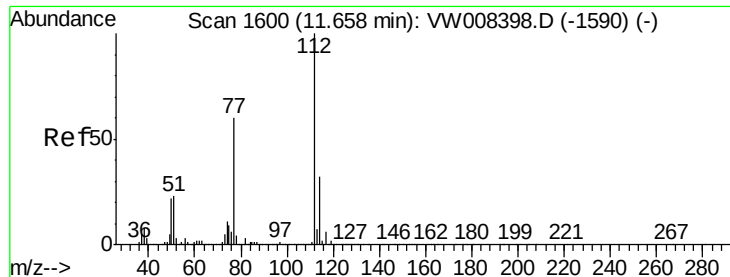
MMDadoda
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#64
Tetrachloroethene
Concen: 53.339 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.4	152.0
129	93.2	71.0	106.6
131	90.5	68.3	102.5





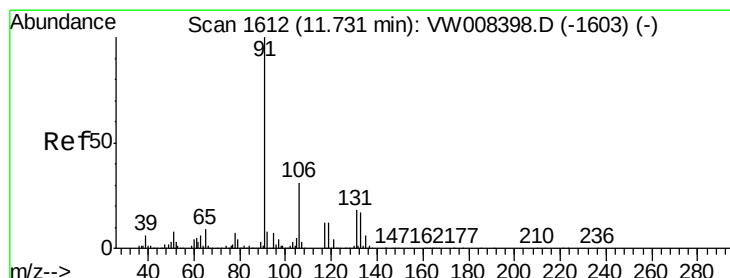
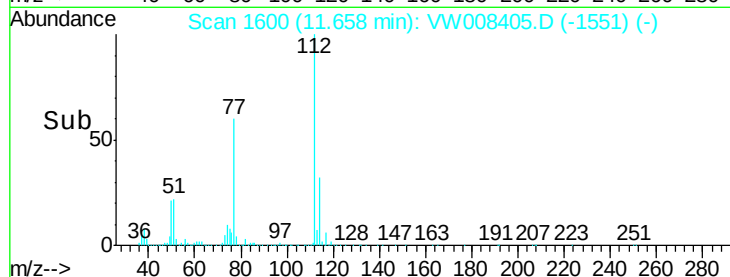
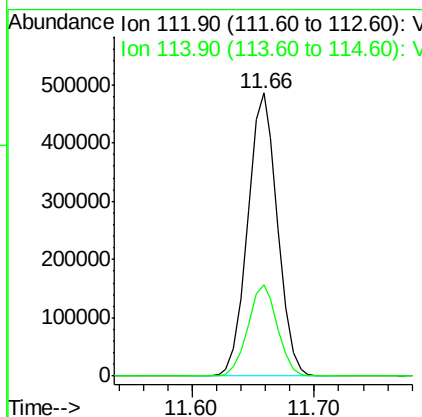
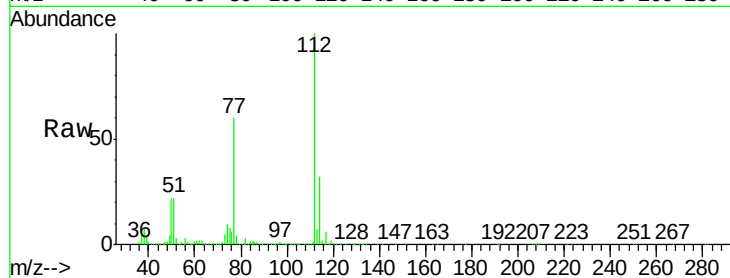
#65
Chlorobenzene
Concen: 52.374 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

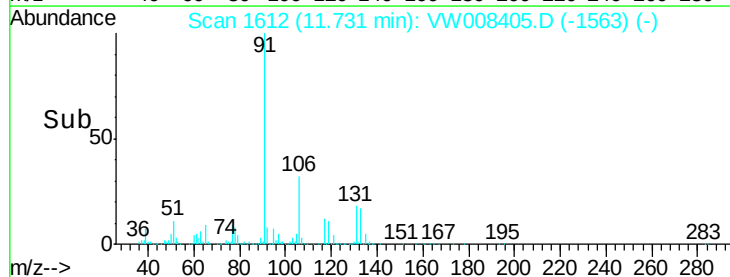
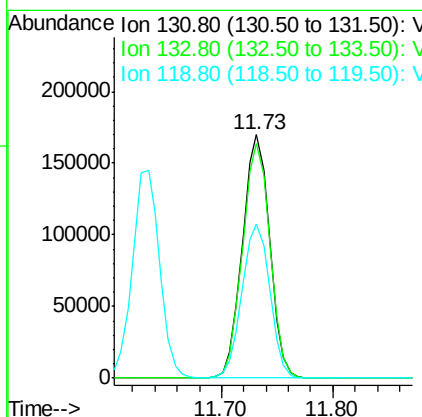
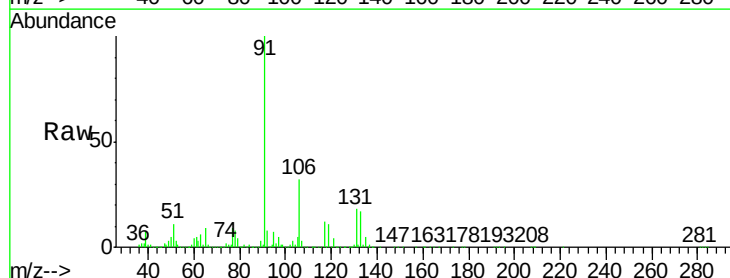
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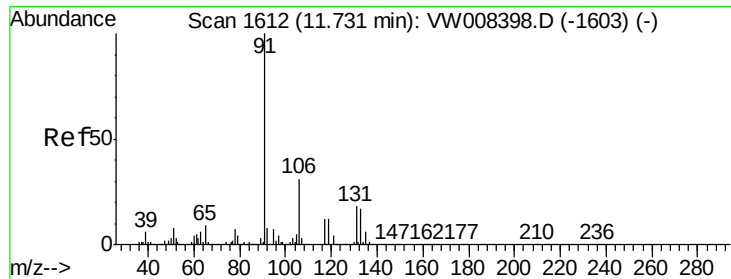
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.805 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.0	47.0	141.2
119	64.5	32.1	96.3





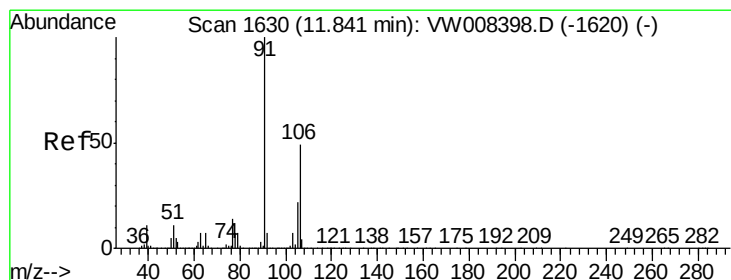
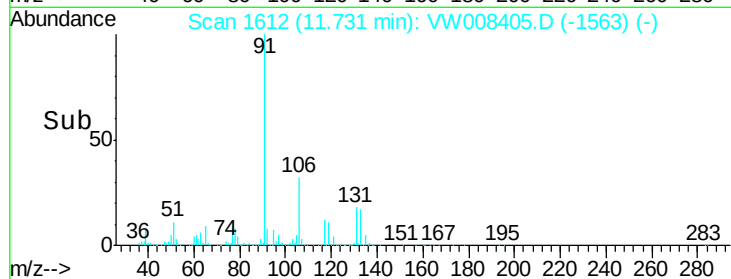
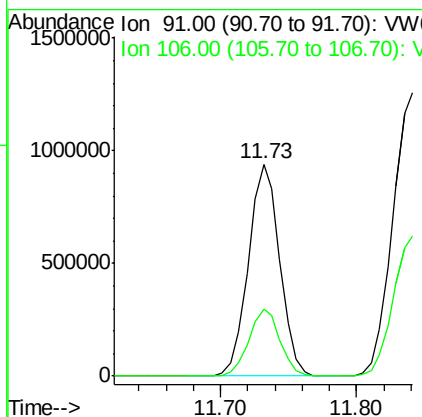
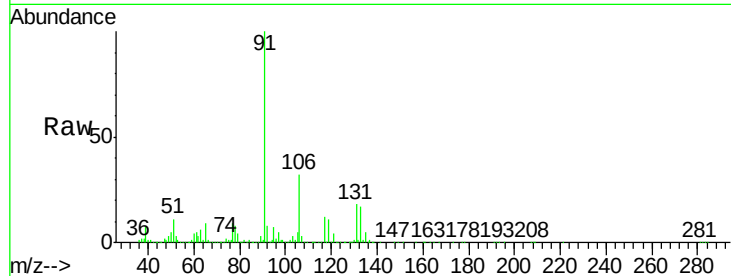
#67
Ethyl Benzene
Concen: 52.569 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1510901
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

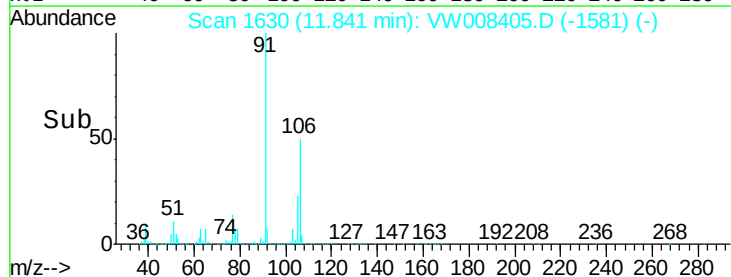
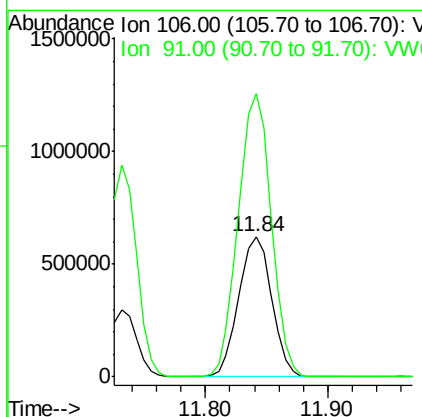
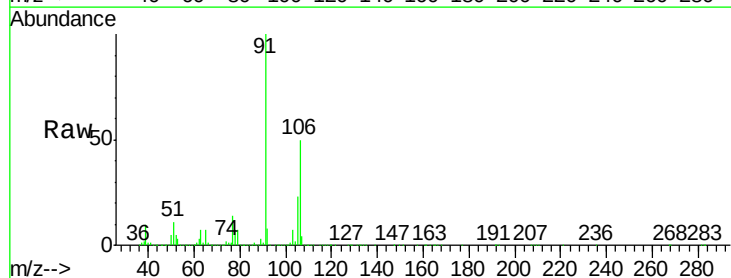
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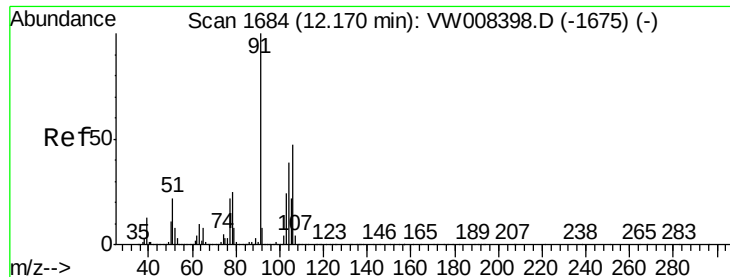
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#68
m/p-Xylenes
Concen: 104.755 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion: 106 Resp: 1168159
Ion Ratio Lower Upper
106 100
91 202.3 162.9 244.3





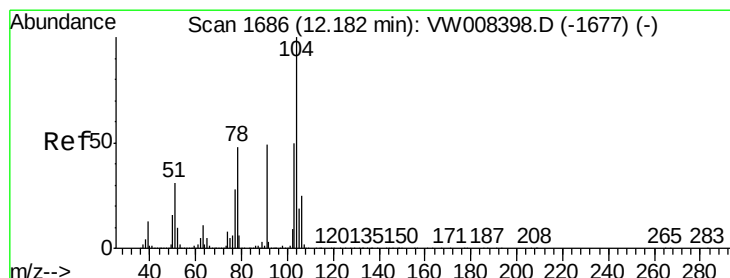
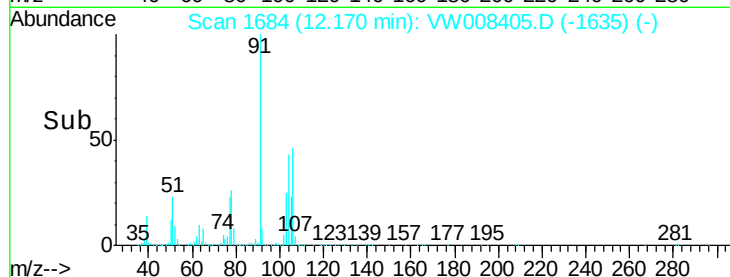
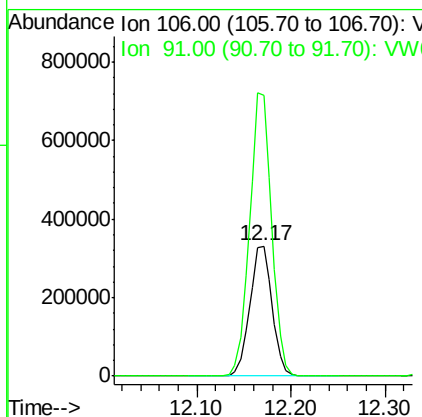
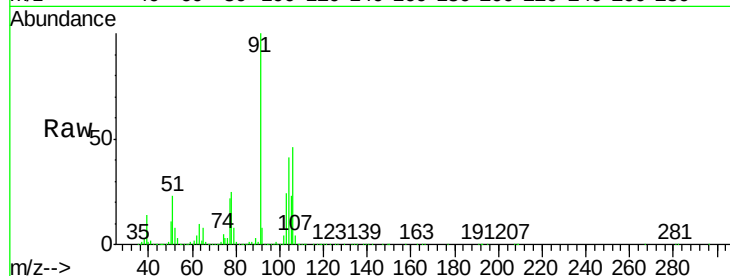
#69
o-Xylene
Concen: 52.016 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	551136		
91	214.6	107.5	322.4	

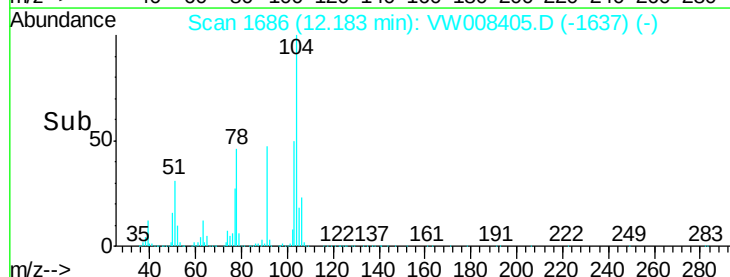
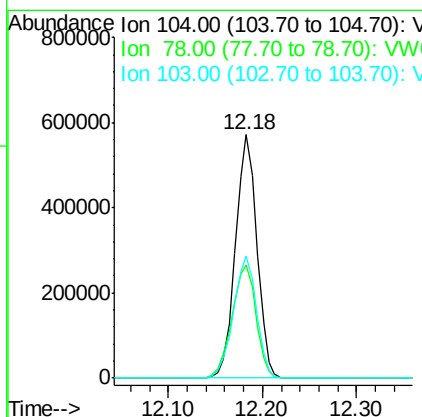
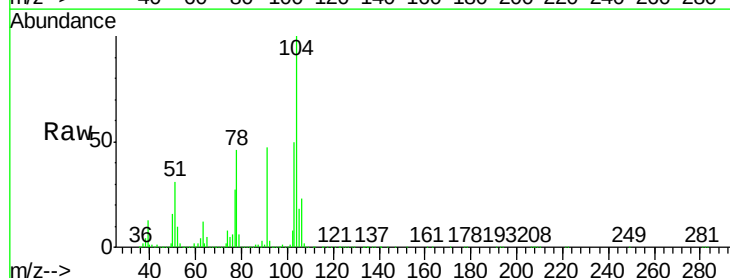
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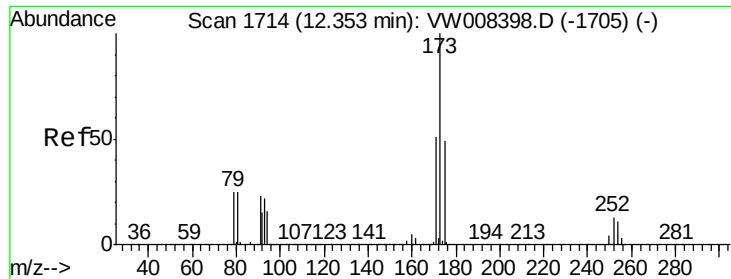
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#70
Styrene
Concen: 51.510 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	901502		
78	52.0	42.4	63.6	
103	54.1	43.4	65.0	





#71

Bromoform

Concen: 49.417 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

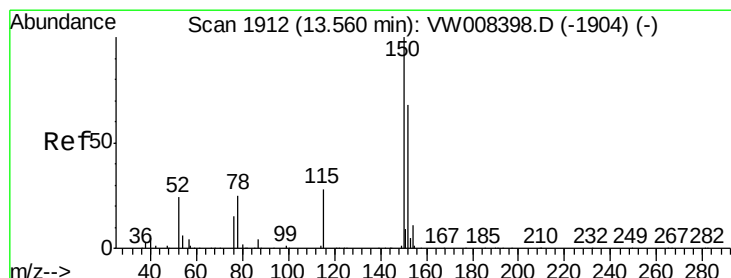
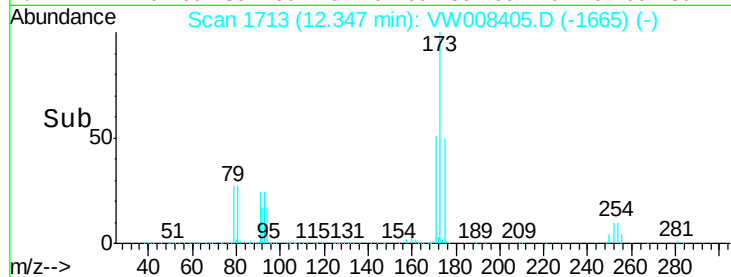
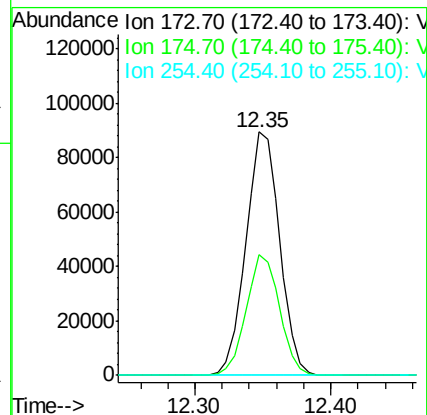
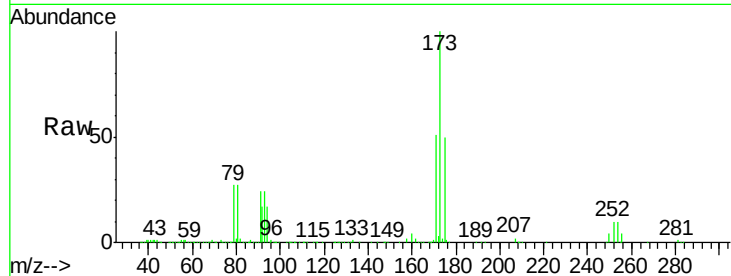
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	155541
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.4	73.4
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

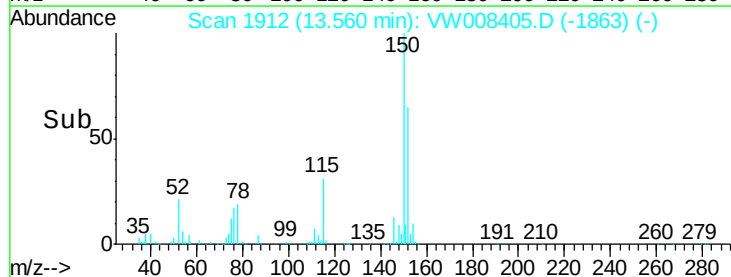
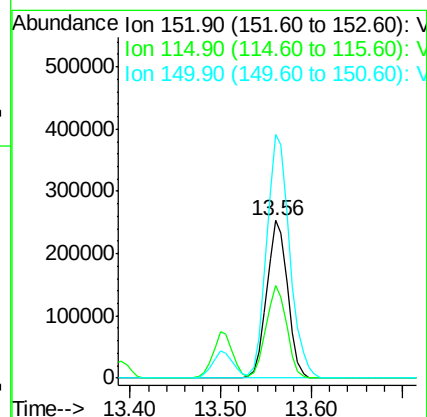
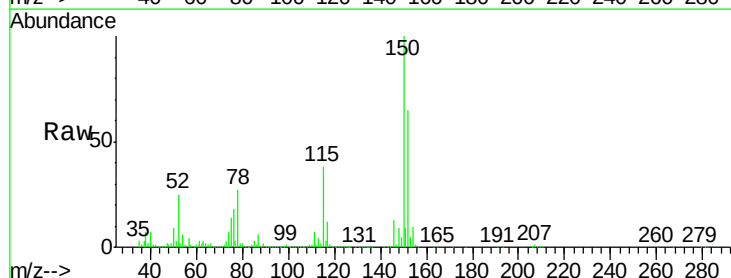
RT: 13.56 min Scan# 1912

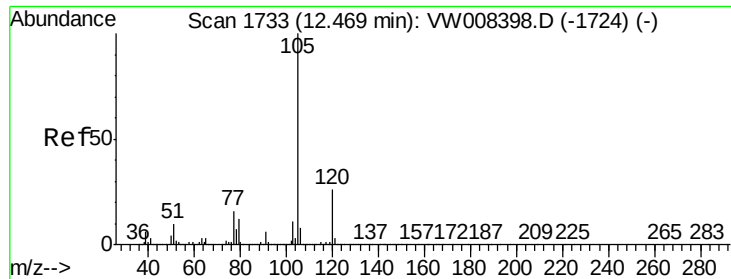
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	152	Resp:	401751
Ion Ratio	Lower	Upper	
152	100		
115	57.7	29.9	89.7
150	170.5	0.0	351.4





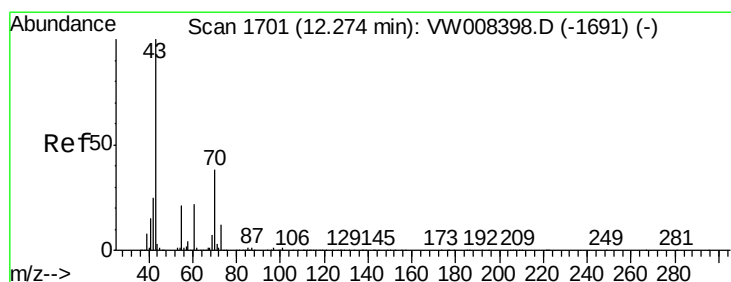
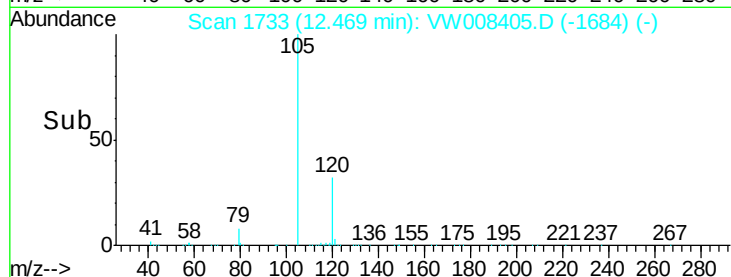
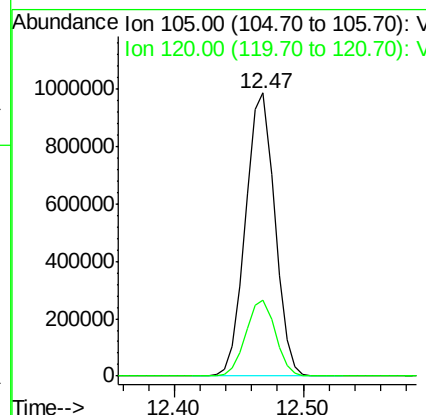
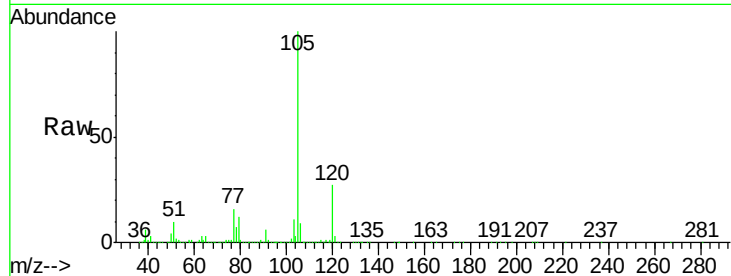
#73
Isopropylbenzene
Concen: 51.564 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion:105 Resp: 1544418
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.8

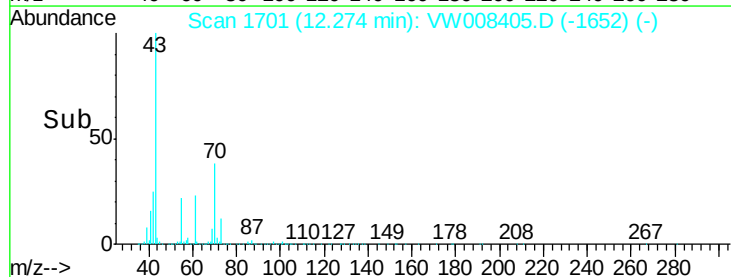
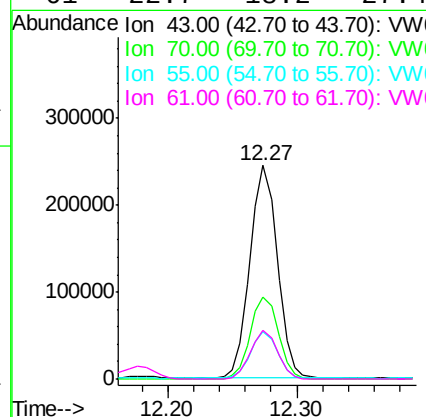
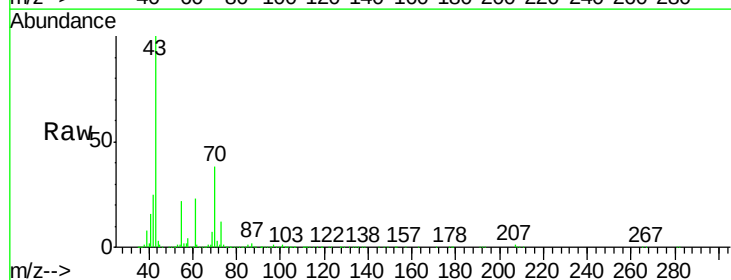
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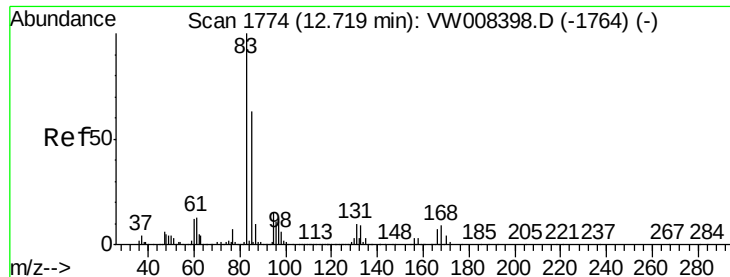
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#74
N-ethyl acetate
Concen: 46.423 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion: 43 Resp: 358195
Ion Ratio Lower Upper
43 100
70 39.3 31.0 46.6
55 21.7 17.4 26.2
61 22.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.956 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

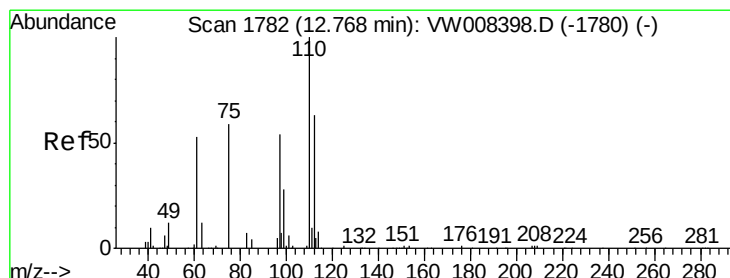
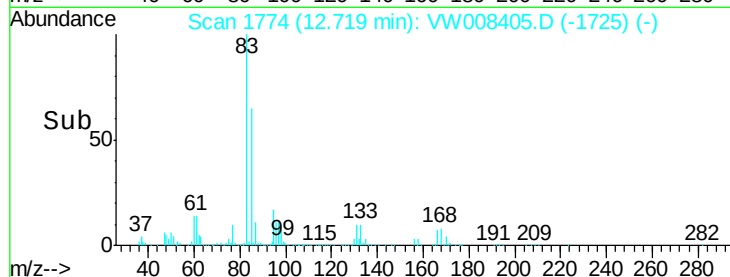
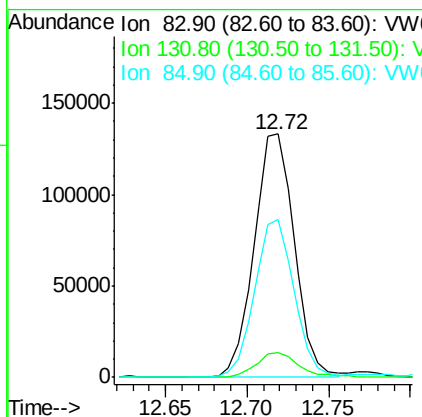
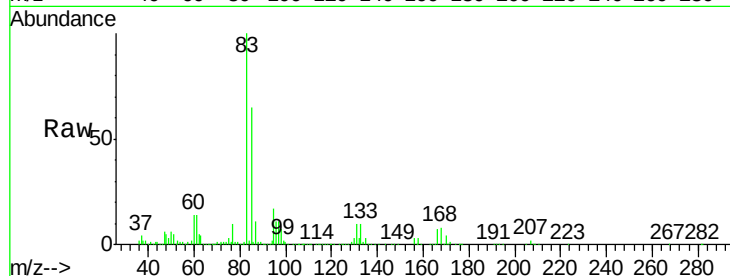
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	227402
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 47.390 ug/l m

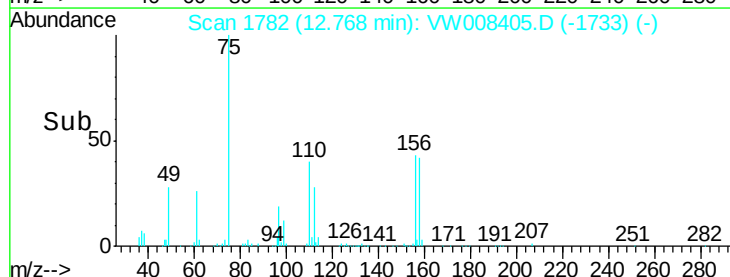
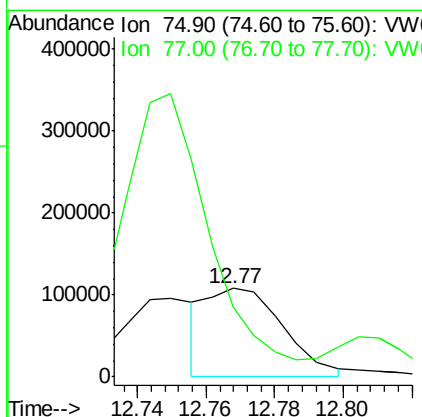
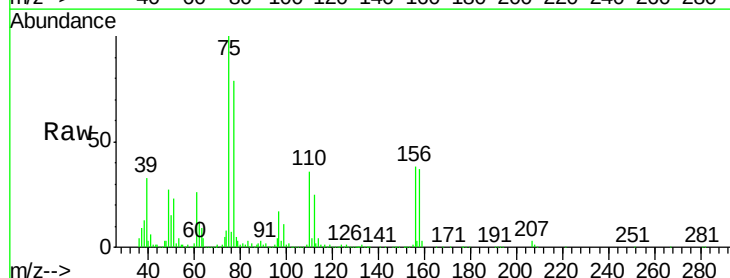
RT: 12.77 min Scan# 1782

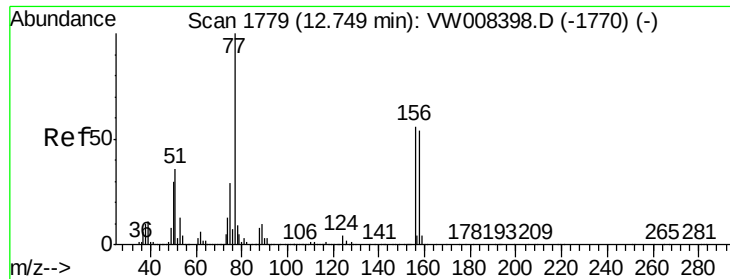
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	75	Resp:	165531
Ion Ratio	Lower	Upper	
75	100		
77	375.6	180.7	542.1





#77

Bromobenzene

Concen: 50.636 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

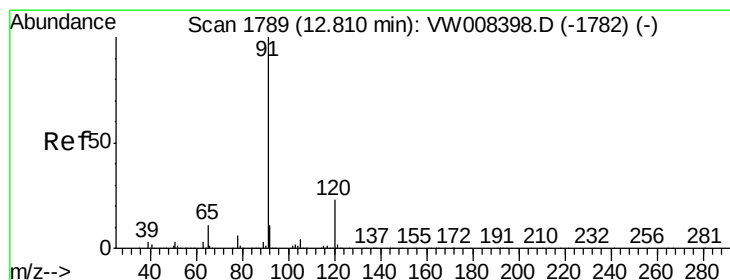
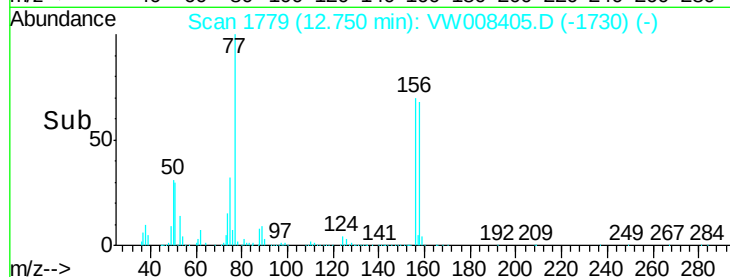
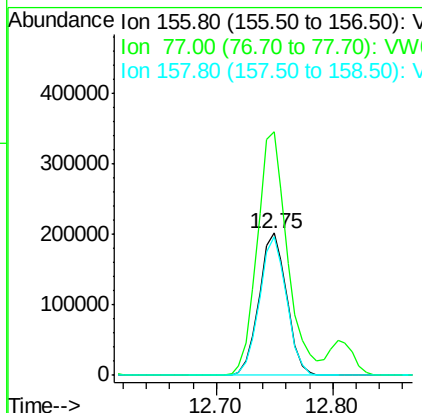
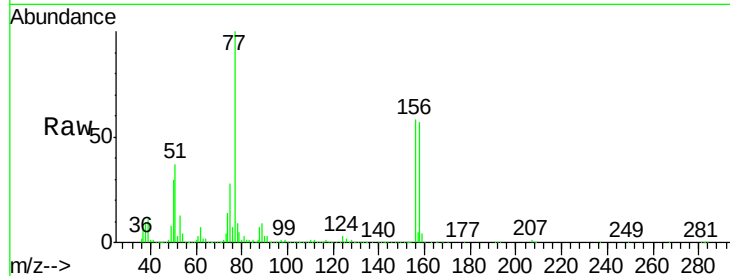
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	331215
Ion Ratio	Lower	Upper	
156	100		
77	187.7	96.9	290.7
158	96.6	48.8	146.4

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#78

n-propylbenzene

Concen: 51.944 ug/l

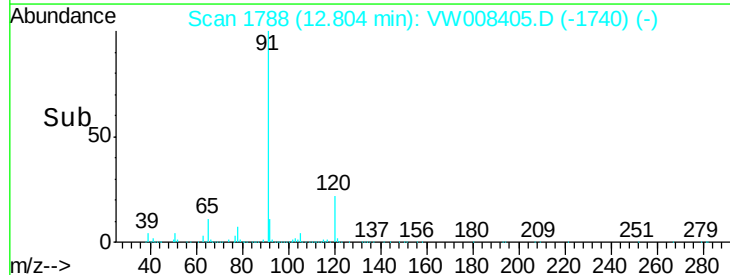
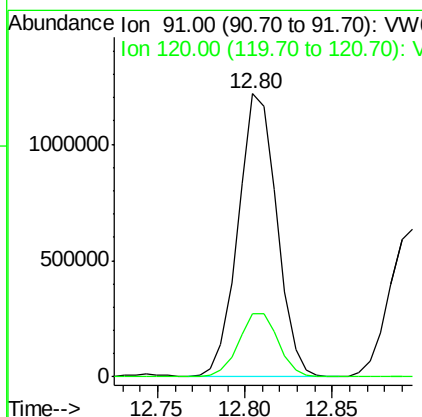
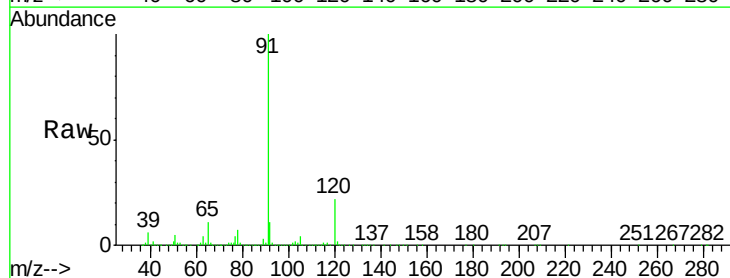
RT: 12.80 min Scan# 1788

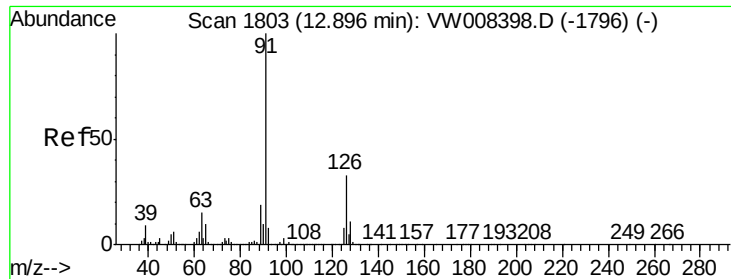
Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	91	Resp:	1868609
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.4	34.1





#79

2-Chlorotoluene

Concen: 51.122 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1037756

Ion Ratio Lower Upper

91 100

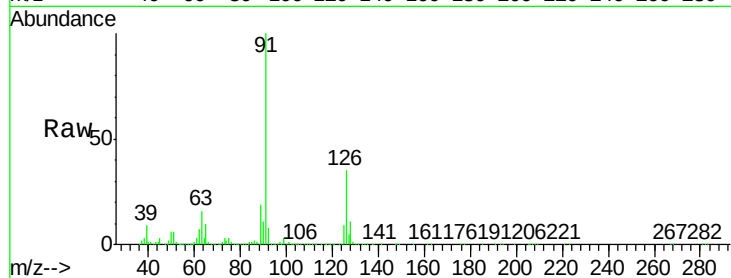
126 33.5 16.5 49.5

Manual Integrations

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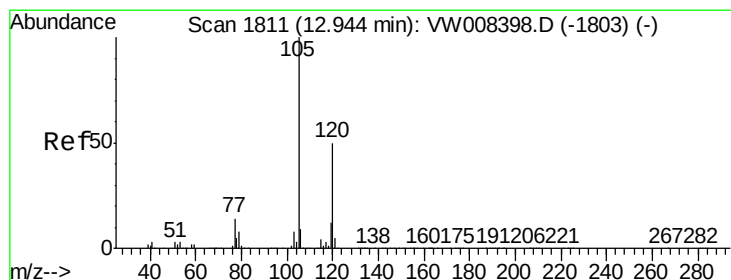
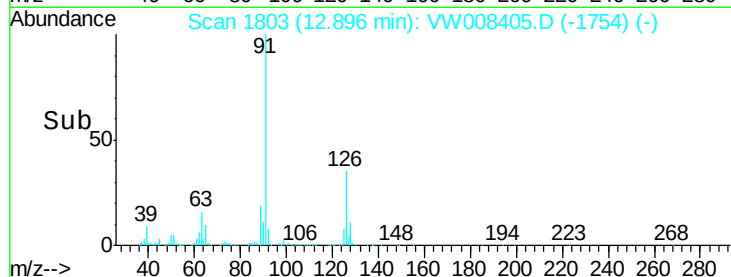
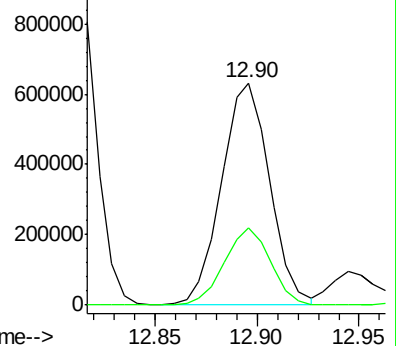
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.860 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008405.D

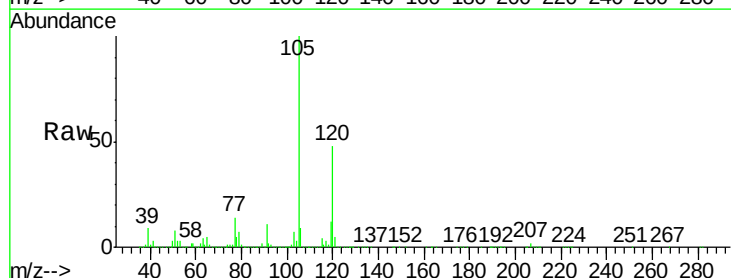
Acq: 25 Jan 2019 12:12

Tgt Ion: 105 Resp: 1298285

Ion Ratio Lower Upper

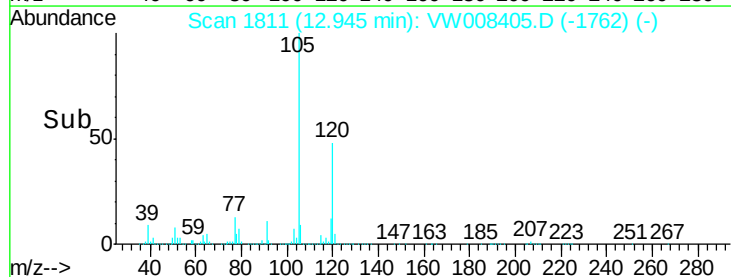
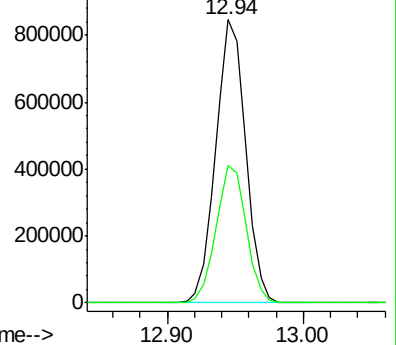
105 100

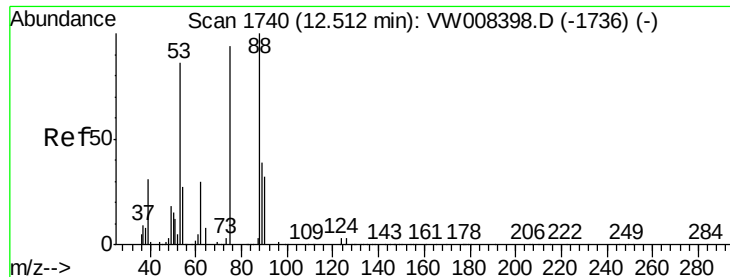
120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.073 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

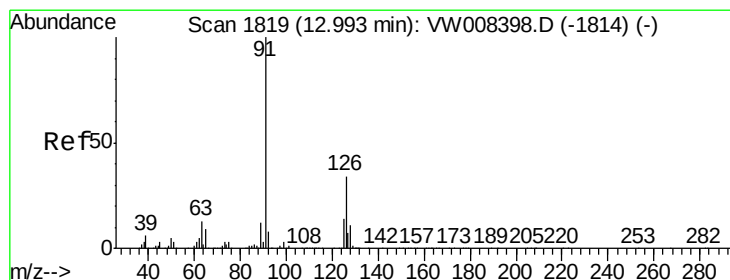
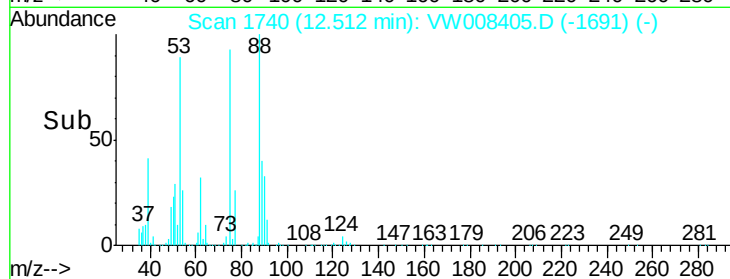
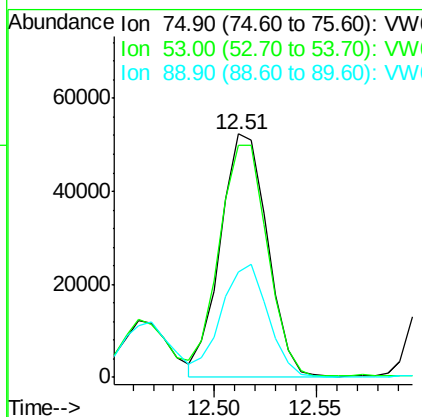
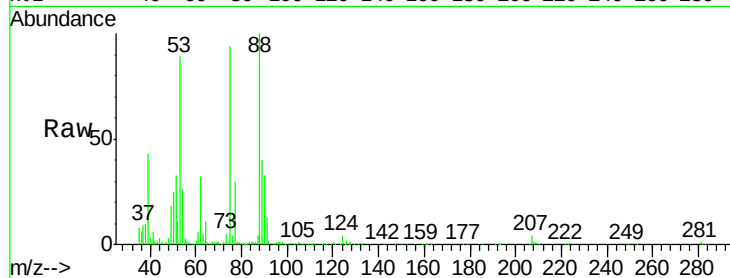
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	83249
Ion	Ratio	Lower	Upper
75	100		
53	97.7	76.0	114.0
89	46.2	35.4	53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.789 ug/l

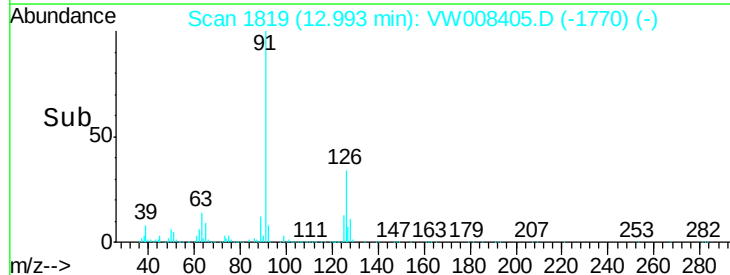
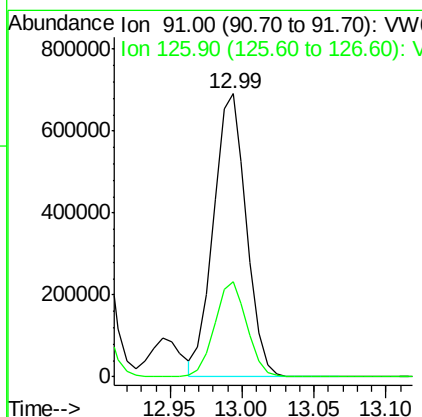
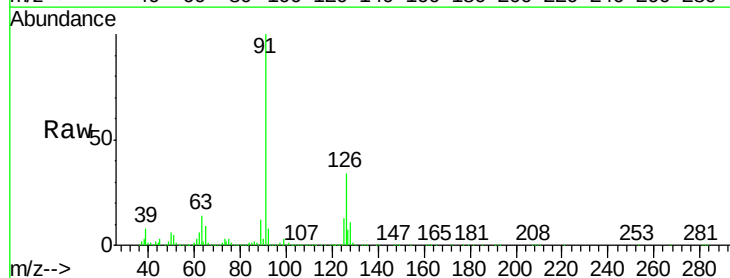
RT: 12.99 min Scan# 1819

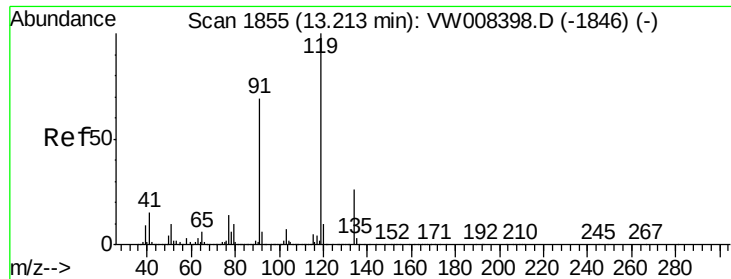
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion:	91	Resp:	1097682
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2





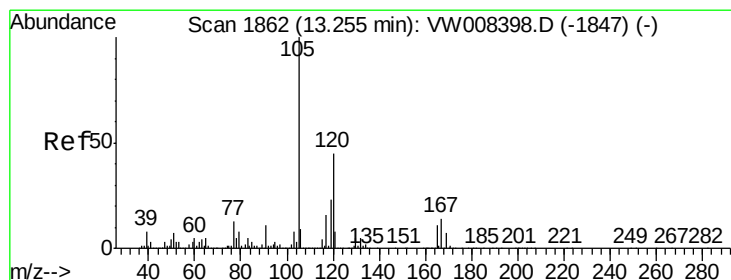
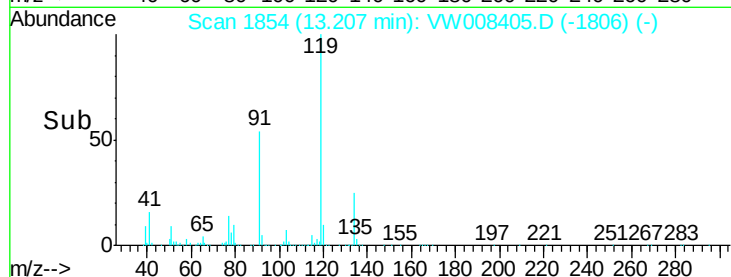
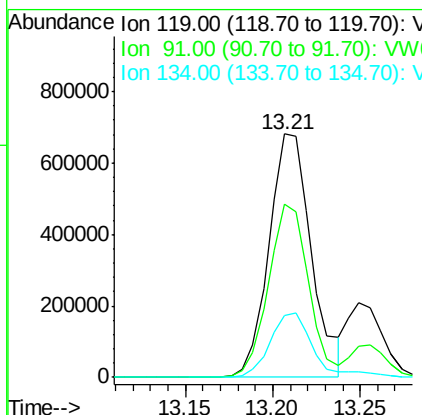
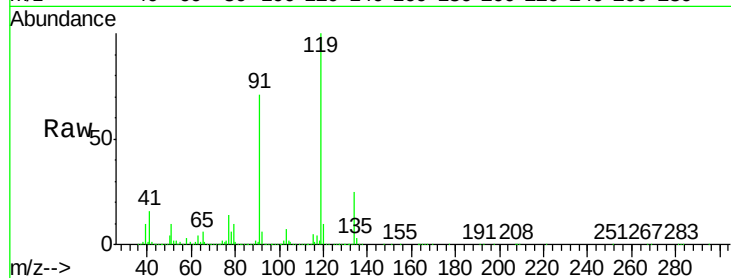
#83
 tert-Butylbenzene
 Concen: 51.739 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1152613
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.8 101.4
 134 27.0 13.5 40.4

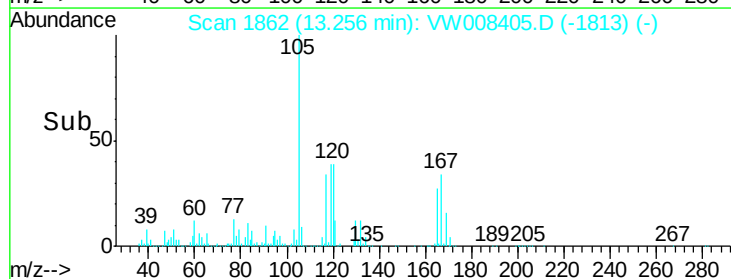
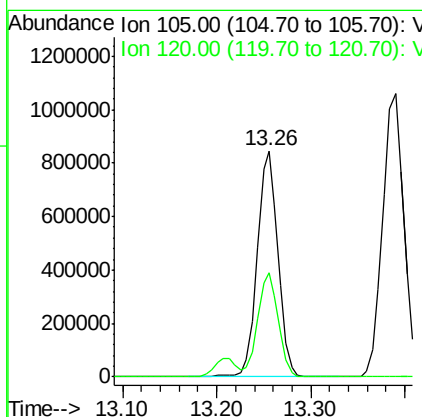
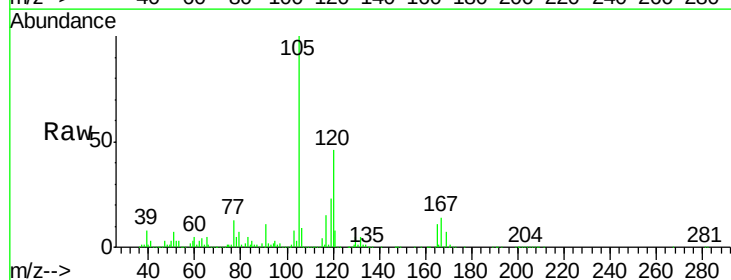
Manual Integrations
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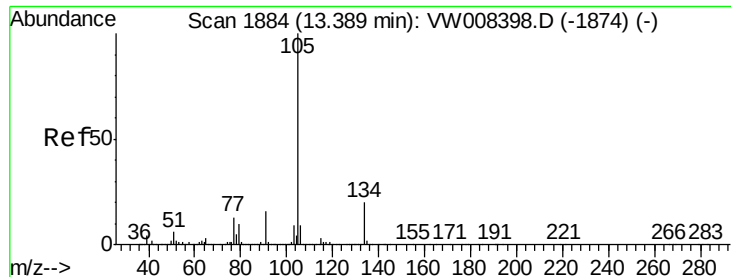
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.590 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion:105 Resp: 1312735
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 52.306 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1664127

Ion Ratio Lower Upper

105 100

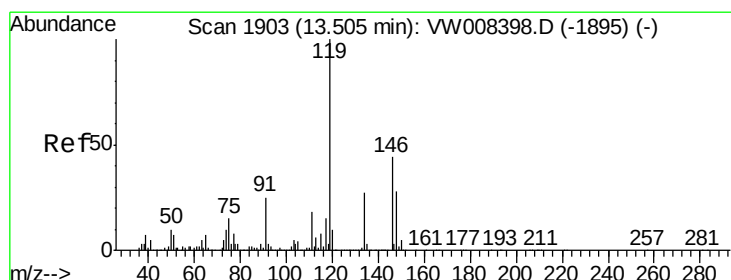
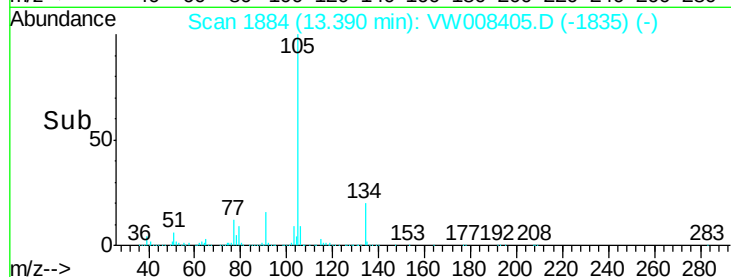
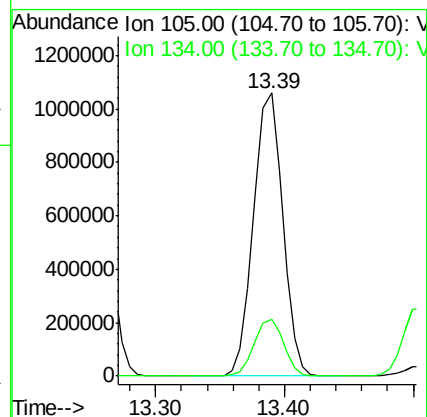
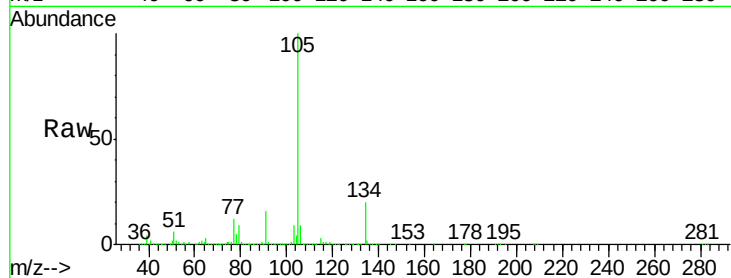
134 20.2 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.587 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

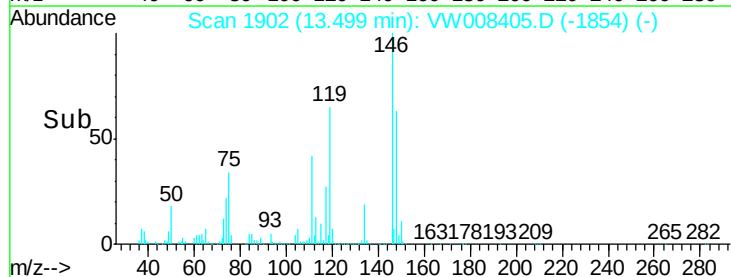
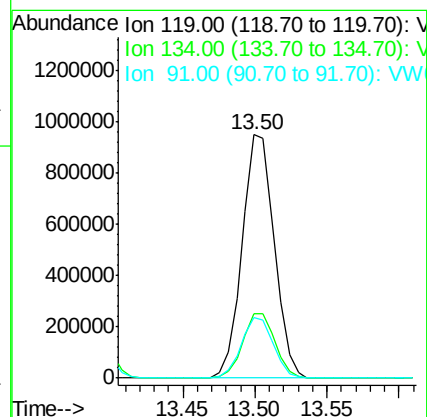
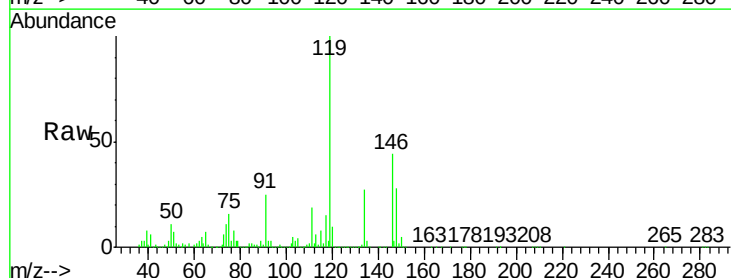
Tgt Ion:119 Resp: 1465534

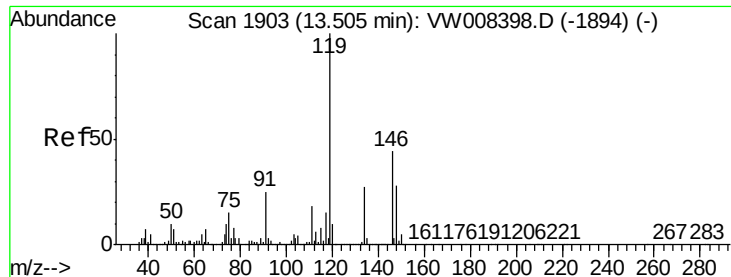
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 24.8 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 51.469 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

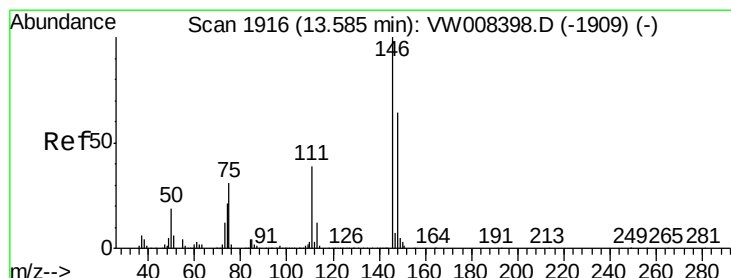
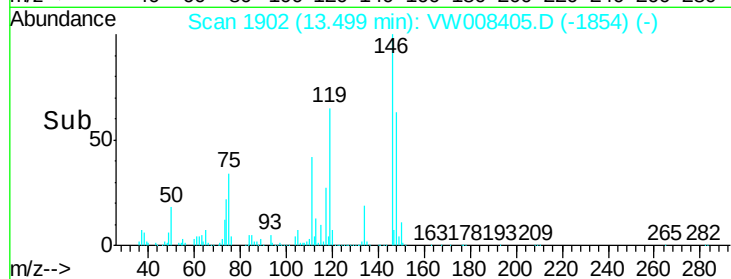
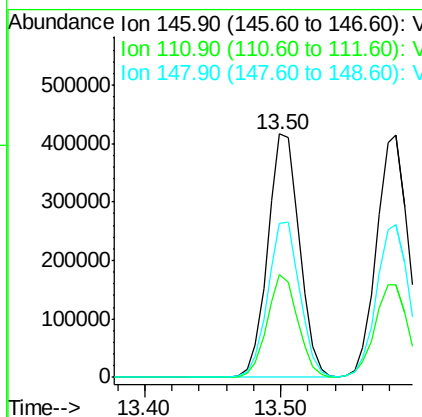
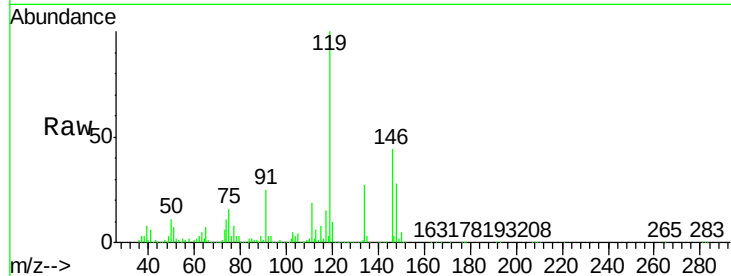
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.9
148	64.2	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.918 ug/l

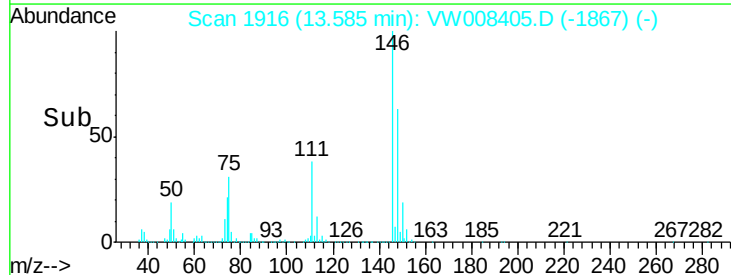
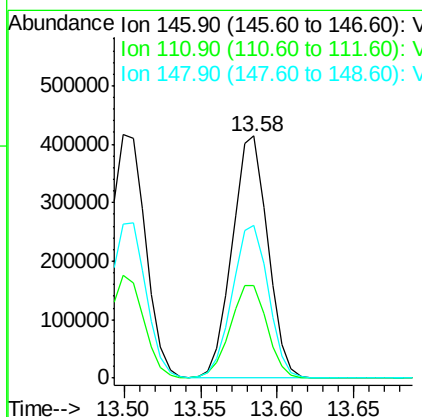
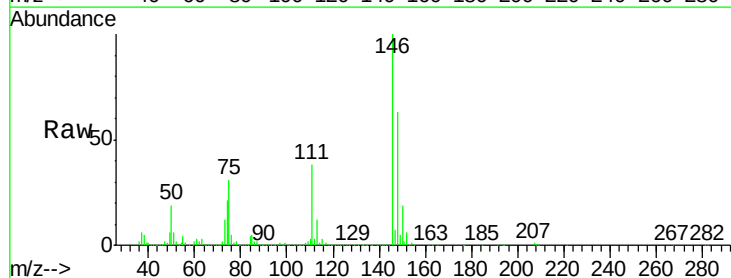
RT: 13.58 min Scan# 1916

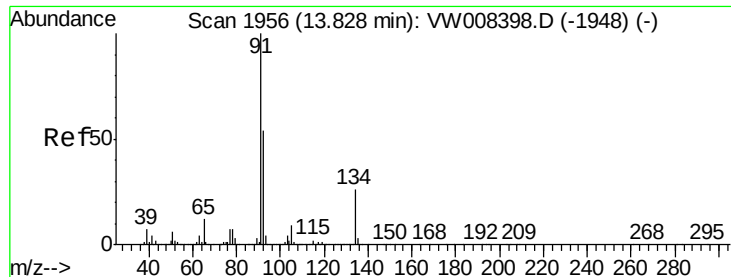
Delta R.T. 0.00 min

Lab File: VW008405.D

Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.1	32.0	96.2





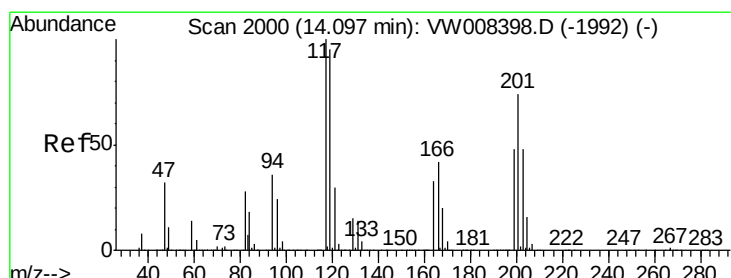
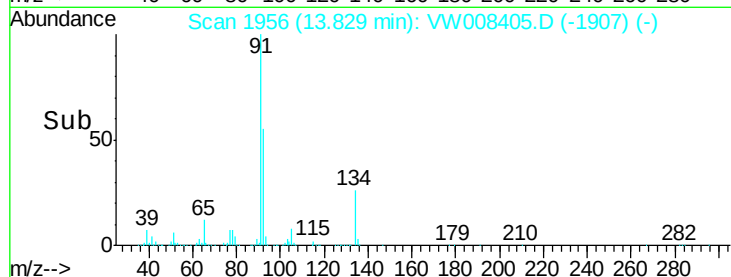
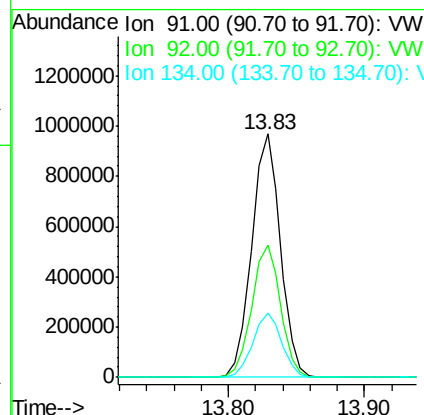
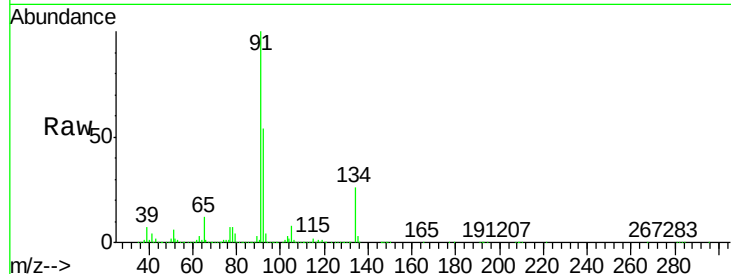
#89
n-Butylbenzene
Concen: 52.155 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.4	82.2
134	26.5	13.0	39.0

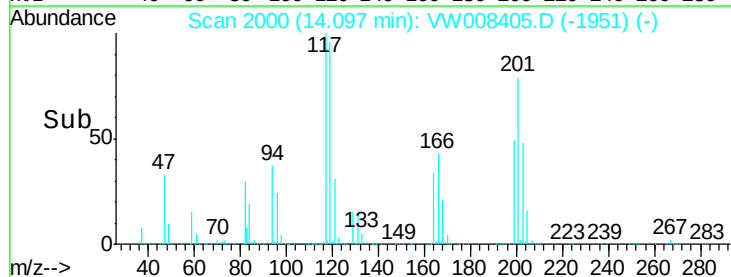
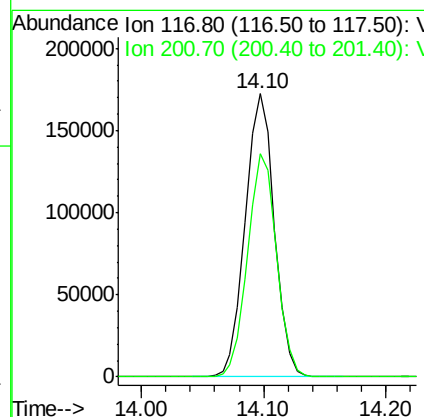
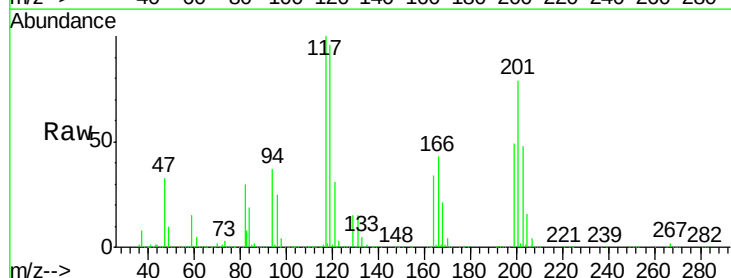
Manual Integrations
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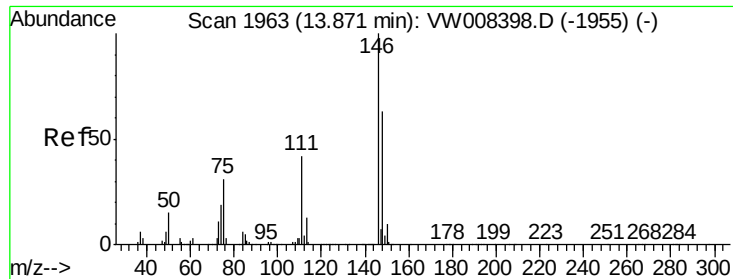
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#90
Hexachloroethane
Concen: 51.910 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	39.1	117.5





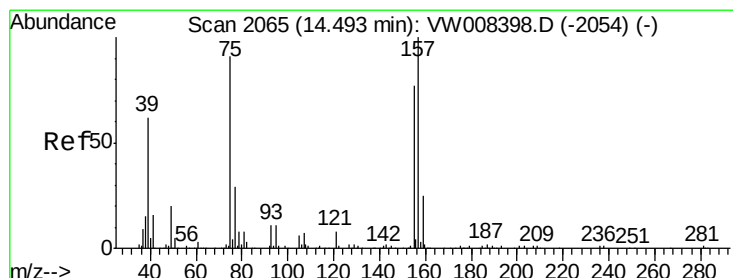
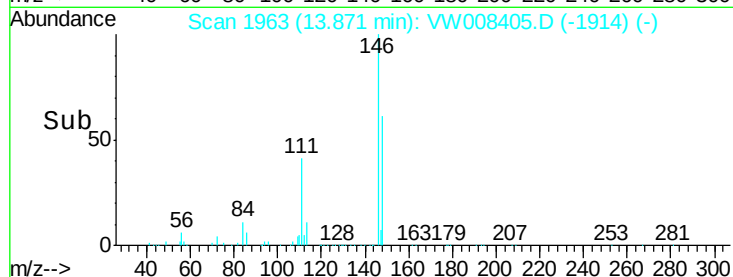
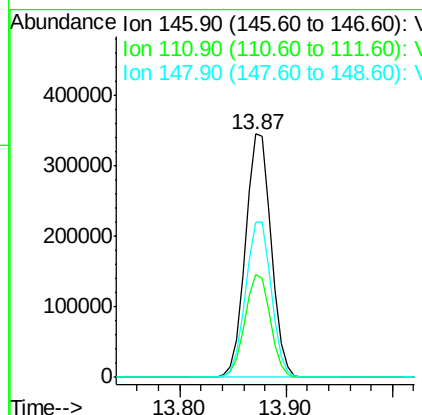
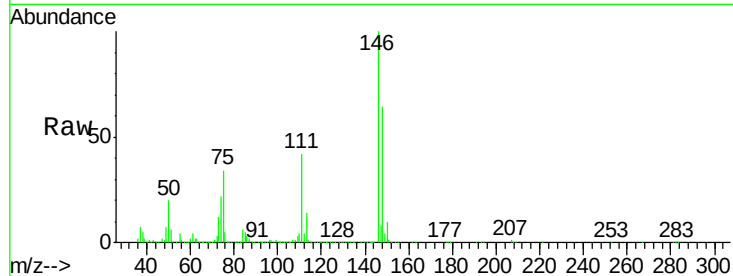
#91
 1,2-Dichlorobenzene
 Concen: 50.196 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	586723		
111	41.8		21.1	63.3
148	63.8		31.9	95.5

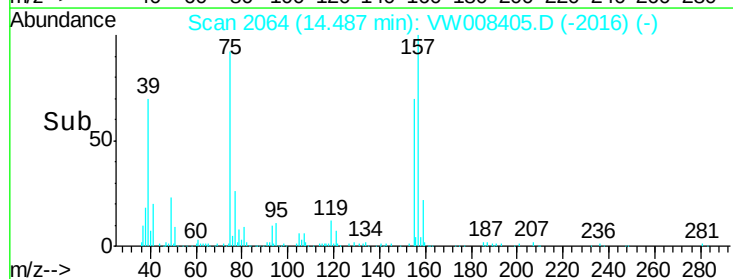
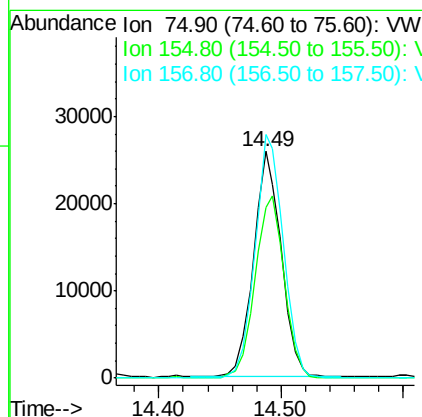
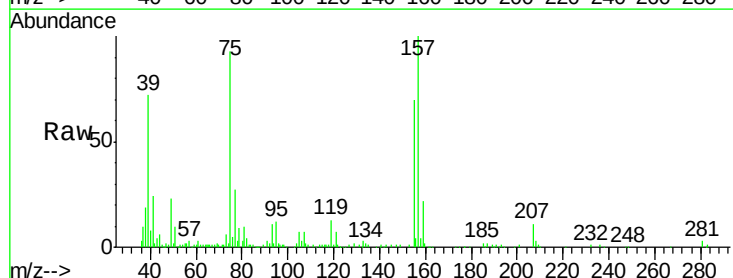
Manual Integrations
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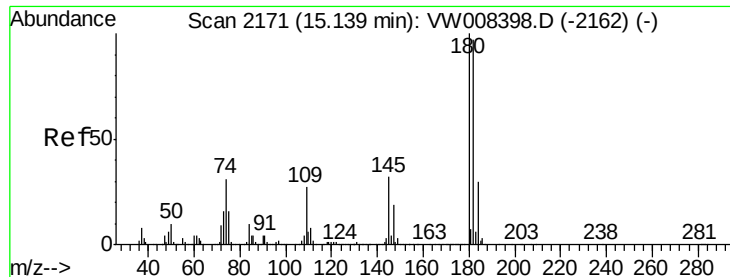
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 1/28/2019 12:45:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.407 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	40854		
155	85.0		42.7	128.1
157	109.9		55.5	166.3





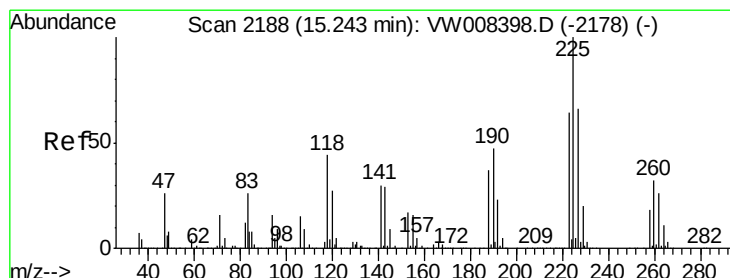
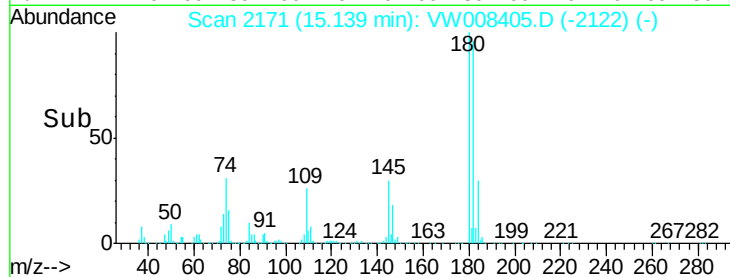
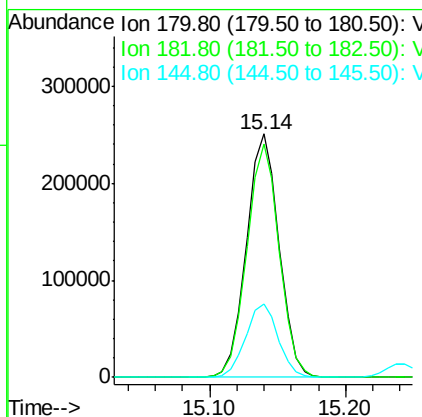
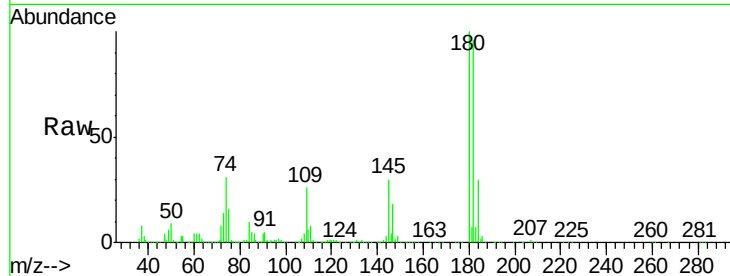
#93
 1,2,4-Trichlorobenzene
 Concen: 50.306 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	419616		
182	95.4	47.9	143.7	
145	30.1	15.5	46.5	

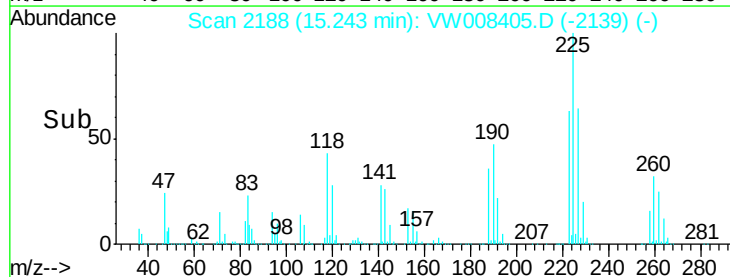
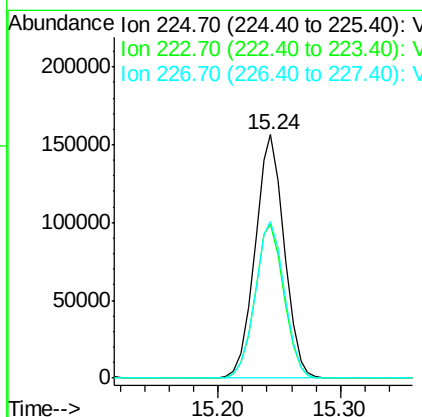
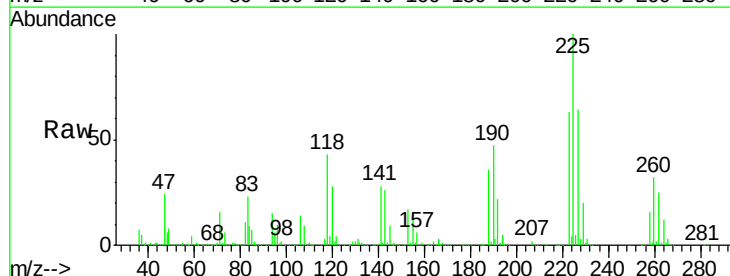
Manual Integrations
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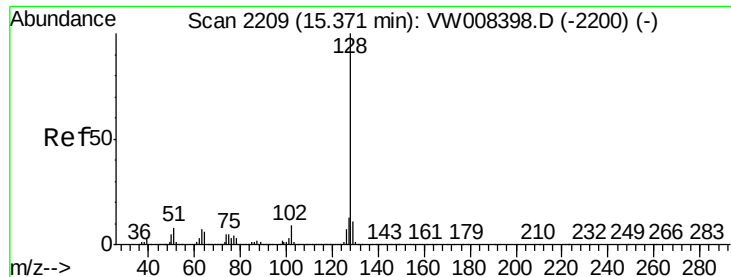
MMDadoda
 1/28/2019 12:45:41 PM



#94
 Hexachlorobutadiene
 Concen: 51.460 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008405.D
 Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	258684		
223	63.2	31.7	95.1	
227	65.0	32.1	96.3	





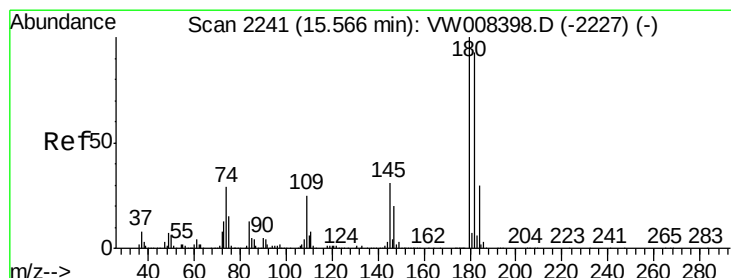
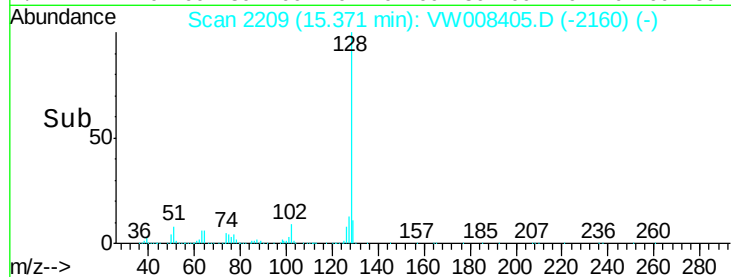
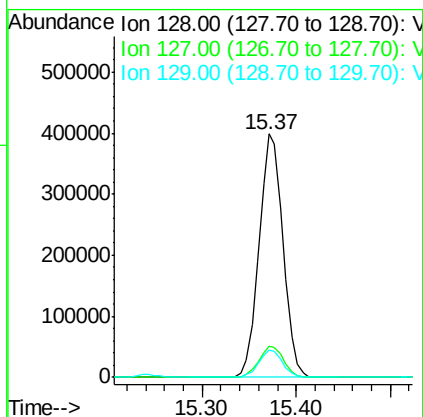
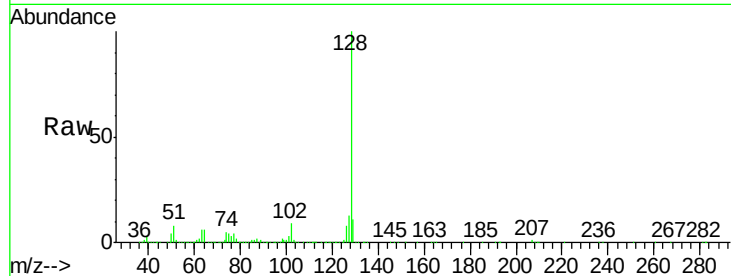
#95
Naphthalene
Concen: 48.658 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/28/2019 12:45:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.504 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW008405.D
Acq: 25 Jan 2019 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.0	141.2
145	31.8	15.9	47.6

