

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008398.D
 Acq On : 24 Jan 2019 15:42
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 1/25/2019 1:43:52 PM

Quant Time: Jan 25 10:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:36:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	583942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	922659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	832059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	434057	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	289705	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.88	113	275695	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	10.32	98	1105872	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.62	95	417487	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	173236	47.082	ug/l	99
3) Chloromethane	2.21	50	246727	45.744	ug/l	99
4) Vinyl Chloride	2.37	62	331492	48.101	ug/l	92
5) Bromomethane	2.78	94	203131	38.894	ug/l	92
6) Chloroethane	2.93	64	197842	43.860	ug/l	97
7) Trichlorofluoromethane	3.26	101	259074	51.199	ug/l	97
8) Diethyl Ether	3.68	74	153321	43.695	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	285820	48.517	ug/l	99
10) Methyl Iodide	4.26	142	449490	47.308	ug/l	99
11) Tert butyl alcohol	5.17	59	116584	285.055	ug/l	99
12) 1,1-Dichloroethene	4.04	96	284192	47.431	ug/l	97
13) Acrolein	3.89	56	92032	248.160	ug/l	94
14) Allyl chloride	4.66	41	546269	54.536	ug/l	94
15) Acrylonitrile	5.36	53	337317	250.258	ug/l	99
16) Acetone	4.12	43	330264	234.116	ug/l	95
17) Carbon Disulfide	4.37	76	924158	50.689	ug/l	98
18) Methyl Acetate	4.67	43	185617	49.258	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	472631	51.530	ug/l	95
20) Methylene Chloride	4.91	84	290646	38.799	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	317586	47.193	ug/l	99
22) Diisopropyl ether	6.31	45	1020174	52.167	ug/l	98
23) Vinyl Acetate	6.25	43	3031551	290.003	ug/l	97
24) 1,1-Dichloroethane	6.21	63	578107	48.551	ug/l	100
25) 2-Butanone	7.17	43	479775	265.537	ug/l	97
26) 2,2-Dichloropropane	7.16	77	385188	50.691	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	345505	47.387	ug/l	94
28) Bromochloromethane	7.51	49	238632	48.644	ug/l #	97
29) Tetrahydrofuran	7.53	42	307199	272.728	ug/l	96
30) Chloroform	7.67	83	572839	48.623	ug/l	99
31) Cyclohexane	7.95	56	571756	50.397	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	492920	49.854	ug/l	98
36) 1,1-Dichloropropene	8.08	75	477713	51.463	ug/l	99
37) Ethyl Acetate	7.25	43	213899	55.878	ug/l	96
38) Carbon Tetrachloride	8.07	117	472713	51.571	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012419\
 Data File : VW008398.D
 Acq On : 24 Jan 2019 15:42
 Operator : SY/VA
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 1/25/2019 1:43:52 PM

Quant Time: Jan 25 10:42:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 10:36:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	624123	56.524	ug/l	96
40) Benzene	8.32	78	1305974	49.666	ug/l	99
41) Methacrylonitrile	7.48	41	125417	56.281	ug/l	97
42) 1,2-Dichloroethane	8.40	62	373792	50.837	ug/l	99
43) Isopropyl Acetate	8.43	43	440826	60.965	ug/l	94
44) Trichloroethene	9.09	130	350529	48.657	ug/l	96
45) 1,2-Dichloropropane	9.37	63	323836	49.580	ug/l	97
46) Dibromomethane	9.46	93	165520	48.622	ug/l	97
47) Bromodichloromethane	9.65	83	438453	52.215	ug/l	99
48) Methyl methacrylate	9.43	41	209048	61.414	ug/l	95
49) 1,4-Dioxane	9.45	88	56930	1038.841	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	1061198	289.837	ug/l	97
52) Toluene	10.39	92	853519	51.291	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	472751	56.408	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	532969	53.946	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	229374	48.579	ug/l	97
56) Ethyl methacrylate	10.65	69	323103	58.267	ug/l	91
57) 1,3-Dichloropropane	10.93	76	411835	50.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	695243	259.928	ug/l	99
59) 2-Hexanone	10.97	43	758910	295.828	ug/l	96
60) Dibromochloromethane	11.13	129	295828	52.497	ug/l	100
61) 1,2-Dibromoethane	11.24	107	227740	49.810	ug/l	99
64) Tetrachloroethene	10.87	164	299501	51.335	ug/l	96
65) Chlorobenzene	11.66	112	905425	49.888	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	327008	52.351	ug/l	98
67) Ethyl Benzene	11.73	91	1673854	53.117	ug/l	98
68) m/p-Xylenes	11.84	106	1301298	106.389	ug/l	96
69) o-Xylene	12.17	106	611389	53.502	ug/l	96
70) Styrene	12.18	104	1013209	55.199	ug/l	97
71) Bromoform	12.35	173	184082	59.158	ug/l	# 98
73) Isopropylbenzene	12.47	105	1712108	54.135	ug/l	99
74) N-amyl acetate	12.27	43	442186	65.241	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.72	83	271098	50.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	198200m	50.142	ug/l	
77) Bromobenzene	12.75	156	369593	48.652	ug/l	91
78) n-propylbenzene	12.81	91	2080174	54.341	ug/l	98
79) 2-Chlorotoluene	12.90	91	1163475	53.196	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	1442719	54.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	102409	61.828	ug/l	99
82) 4-Chlorotoluene	12.99	91	1242354	54.357	ug/l	95
83) tert-Butylbenzene	13.21	119	1277343	54.990	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	1460006	54.305	ug/l	99
85) sec-Butylbenzene	13.39	105	1839198	55.147	ug/l	100
86) p-Isopropyltoluene	13.51	119	1616628	55.499	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	761644	50.461	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	752840	49.785	ug/l	98
89) n-Butylbenzene	13.83	91	1595547	57.104	ug/l	99
90) Hexachloroethane	14.10	117	316763	58.761	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	670577	50.320	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	50148	57.011	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012419\
Data File : VW008398.D
Acq On : 24 Jan 2019 15:42
Operator : SY/VA
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM

Quant Time: Jan 25 10:42:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 10:36:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	475946	52.759	ug/l	99
94) Hexachlorobutadiene	15.24	225	283309	55.724	ug/l	97
95) Naphthalene	15.37	128	851875	56.512	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	407279	51.833	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: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 583942

Ion Ratio Lower Upper

168 100

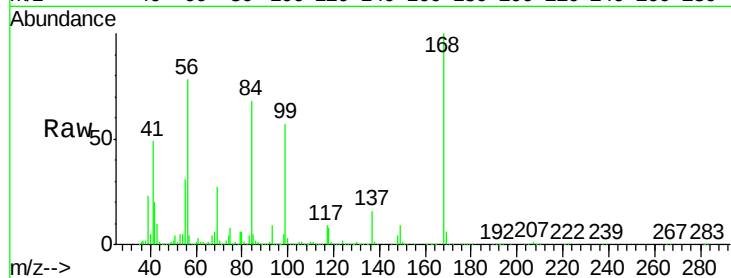
99 56.9 44.6 66.8

Manual Integrations

APPROVED

sam

1/25/2019 1:43:52 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

150000

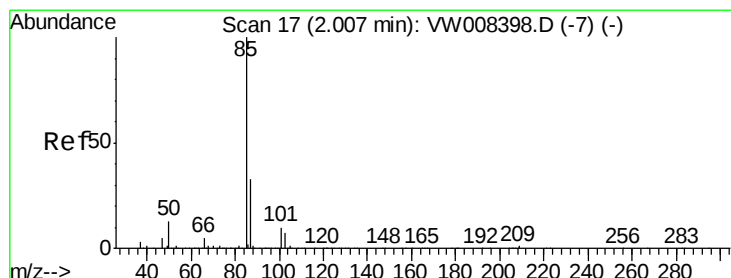
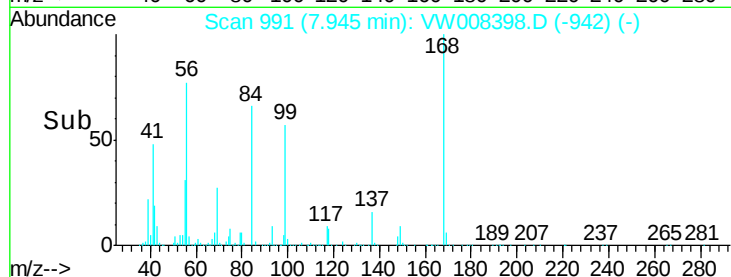
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.082 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008398.D

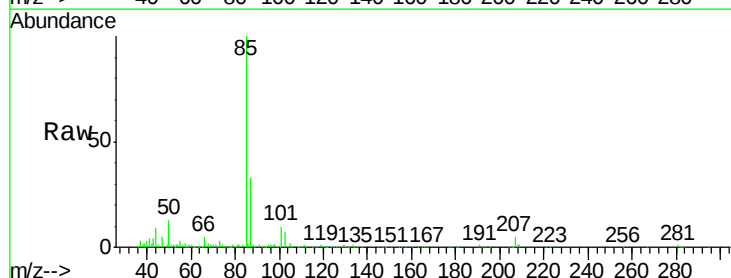
Acq: 24 Jan 2019 15:42

Tgt Ion: 85 Resp: 173236

Ion Ratio Lower Upper

85 100

87 33.4 16.9 50.6



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

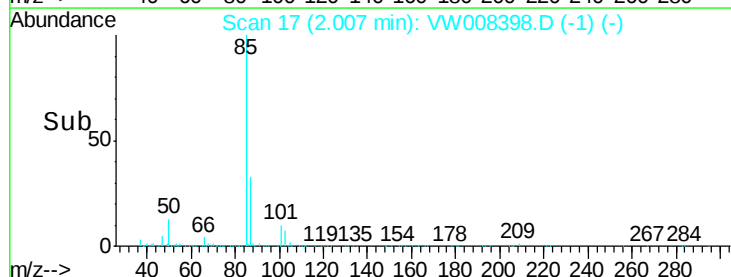
20000

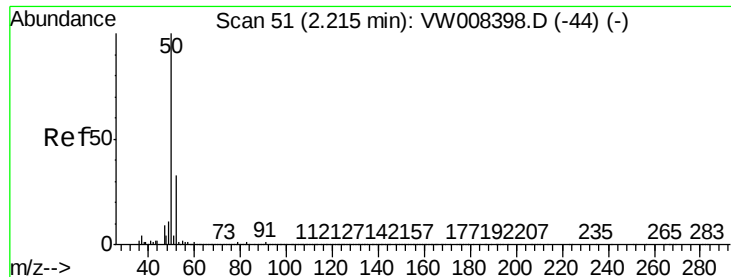
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 45.744 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 246727

Ion Ratio Lower Upper

50 100

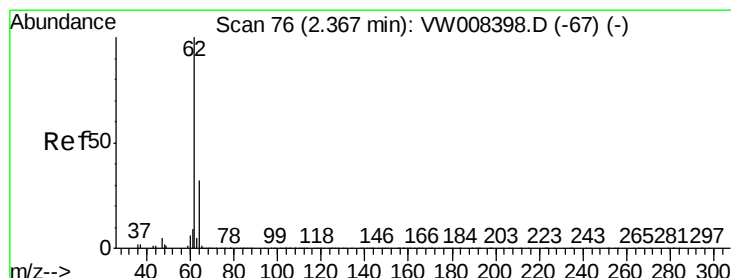
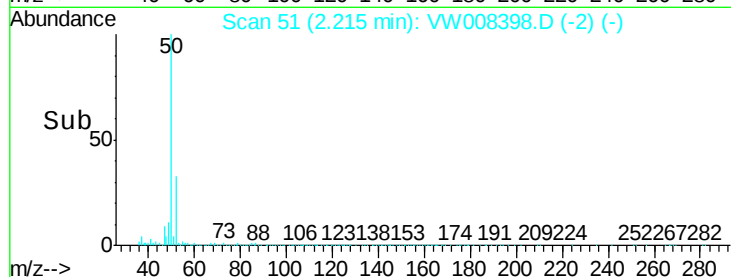
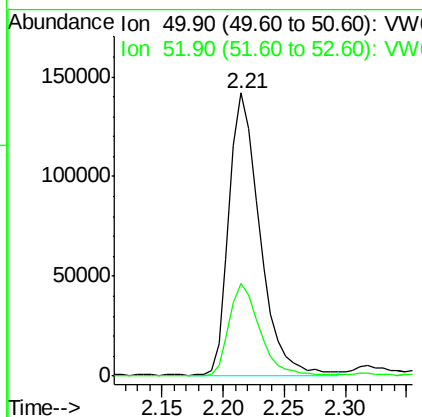
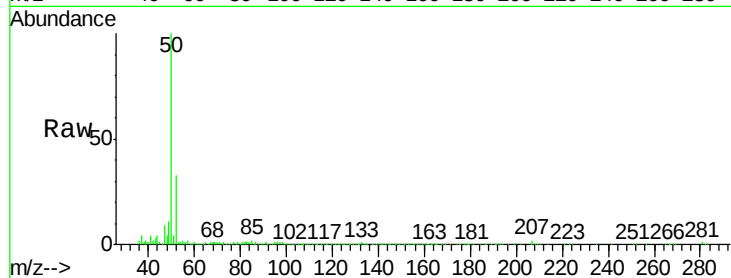
52 32.9 26.7 40.1

Manual Integrations

APPROVED

sam

1/25/2019 1:43:52 PM



#4

Vinyl Chloride

Concen: 48.101 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008398.D

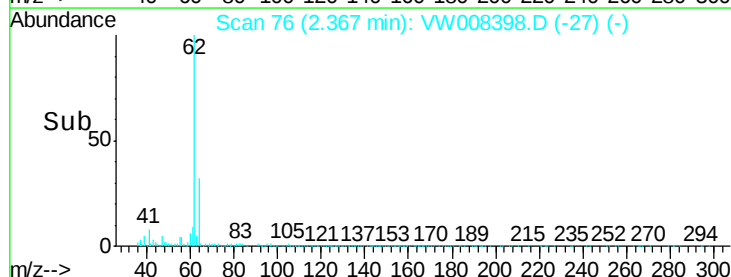
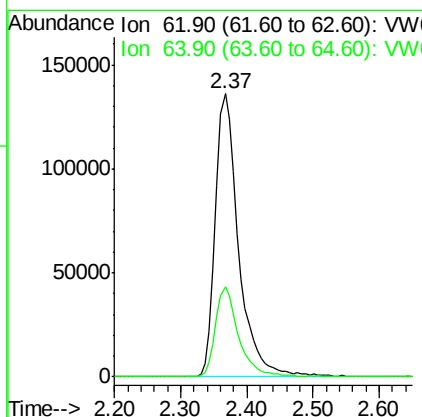
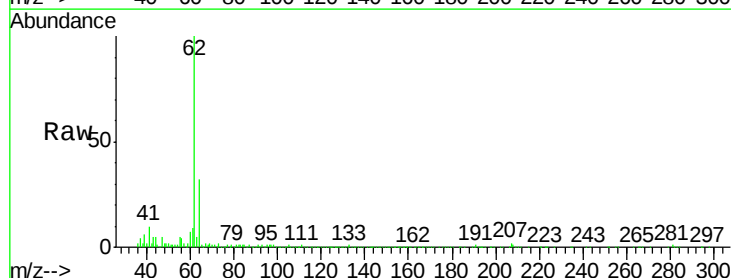
Acq: 24 Jan 2019 15:42

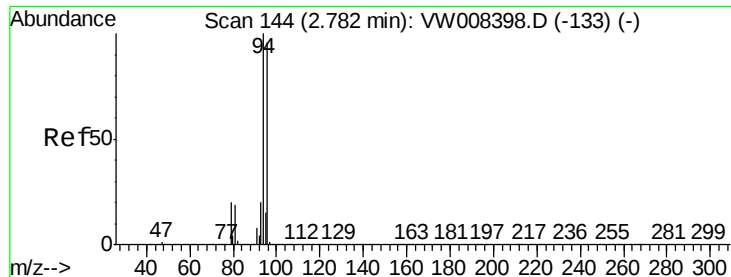
Tgt Ion: 62 Resp: 331492

Ion Ratio Lower Upper

62 100

64 31.9 29.4 44.2





#5

Bromomethane

Concen: 38.894 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 203131

Ion Ratio Lower Upper

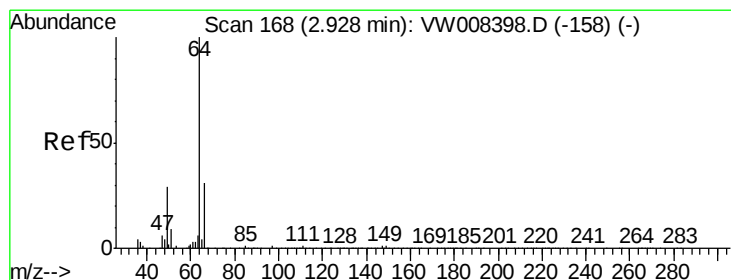
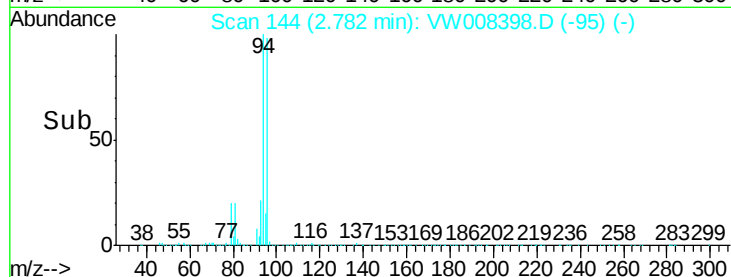
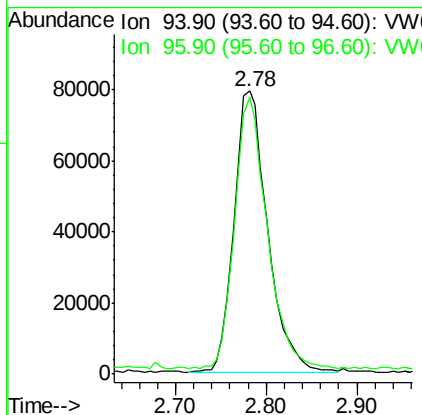
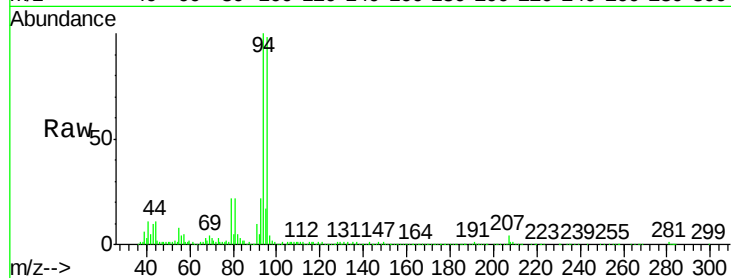
94 100

96 96.5 71.4 107.0

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#6

Chloroethane

Concen: 43.860 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008398.D

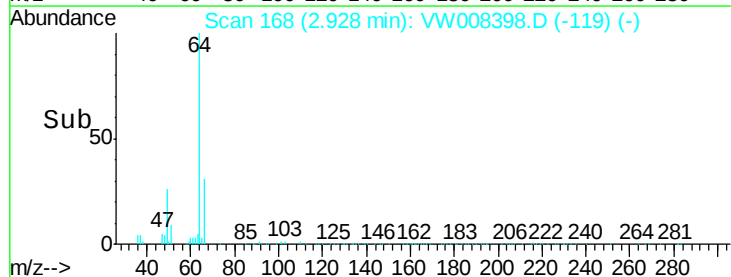
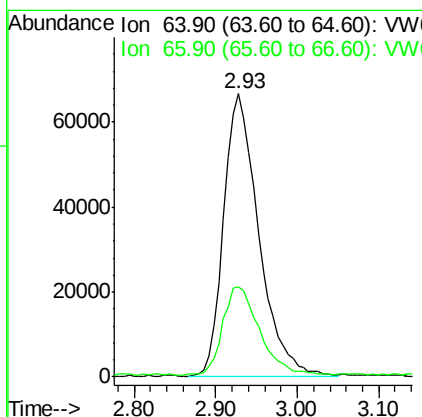
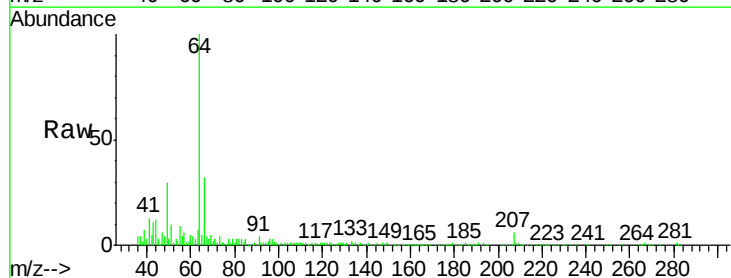
Acq: 24 Jan 2019 15:42

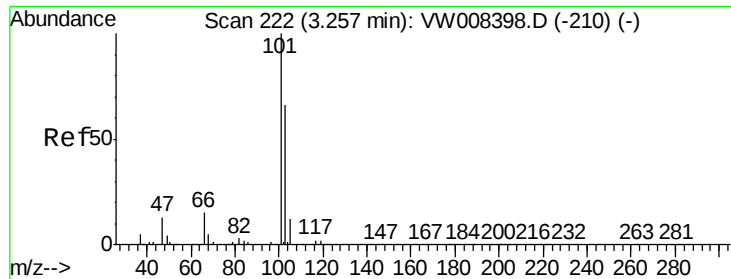
Tgt Ion: 64 Resp: 197842

Ion Ratio Lower Upper

64 100

66 31.1 26.2 39.4





#7

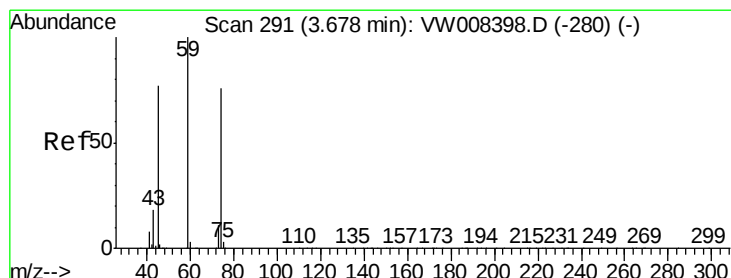
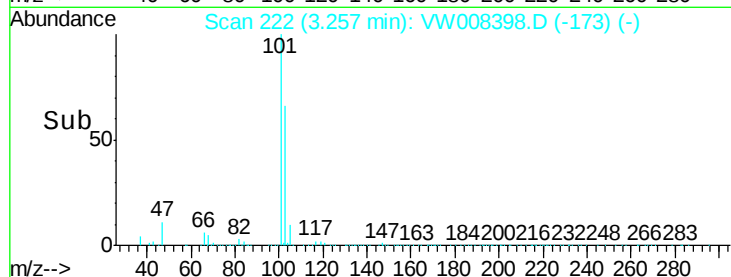
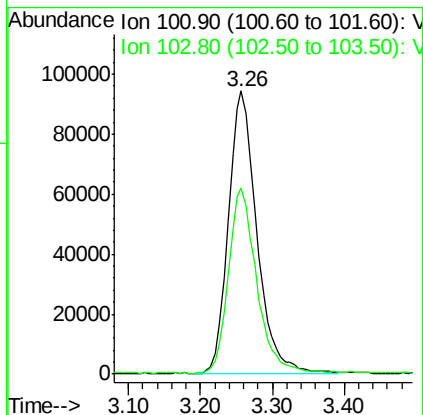
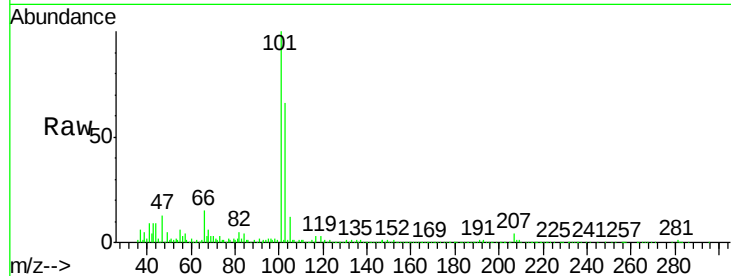
Trichlorofluoromethane
Concen: 51.199 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.9	76.3

Manual Integrations
APPROVED

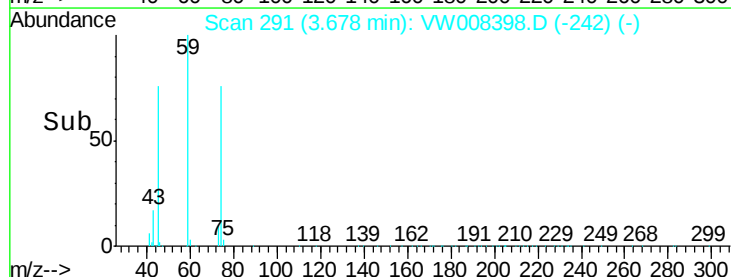
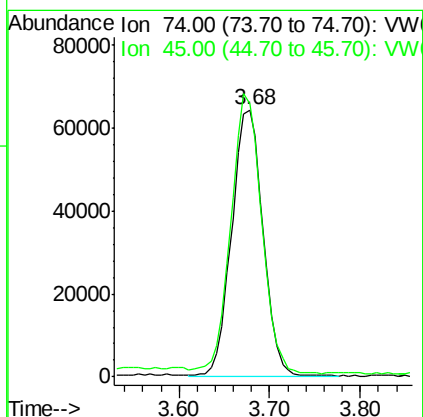
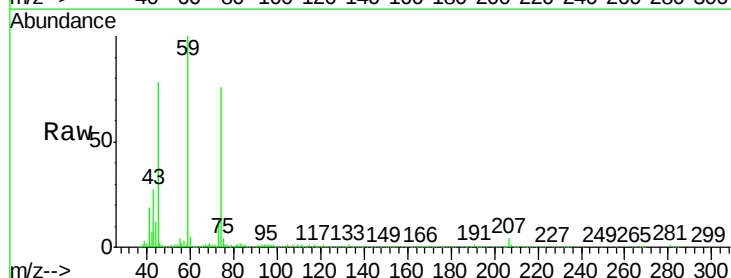
sam
1/25/2019 1:43:52 PM

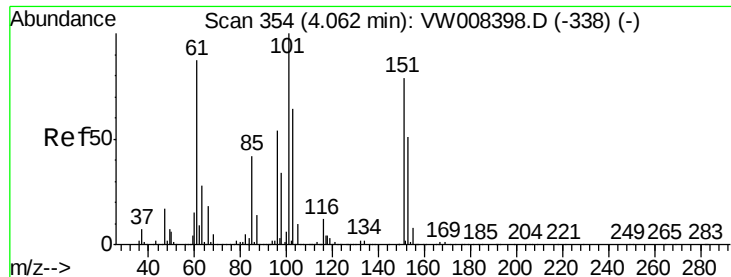


#8

Diethyl Ether
Concen: 43.695 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.517 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

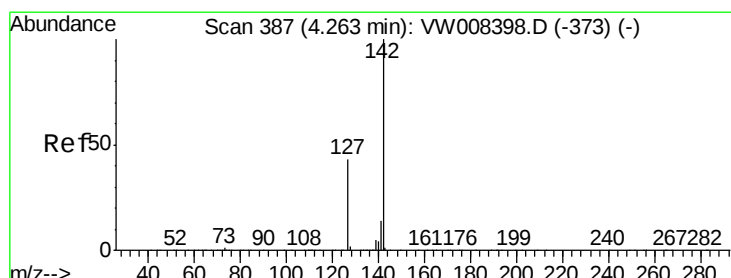
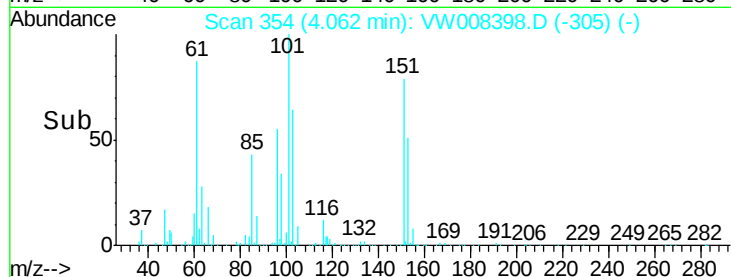
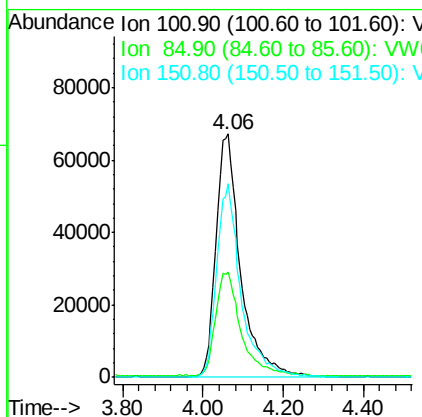
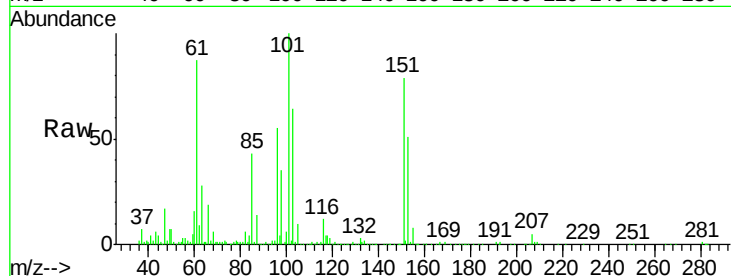
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	285820
Ion Ratio	Lower	Upper	
101	100		
85	43.7	36.0	54.0
151	78.3	62.3	93.5

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#10

Methyl Iodide

Concen: 47.308 ug/l

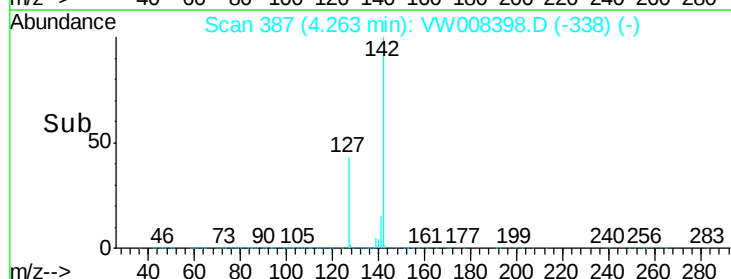
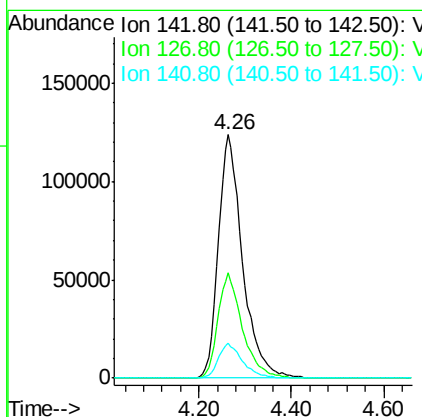
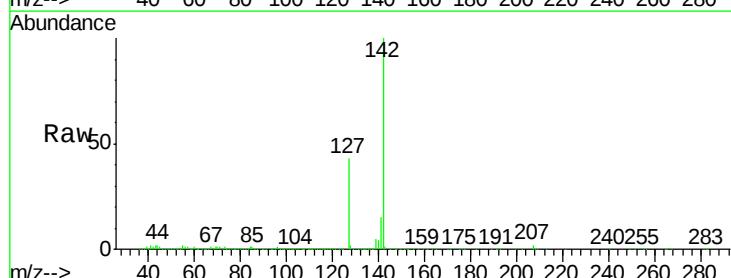
RT: 4.26 min Scan# 387

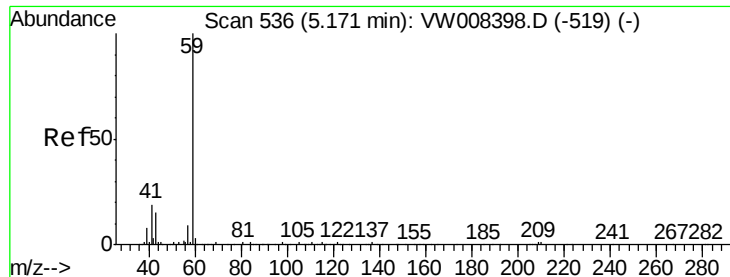
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	142	Resp:	449490
Ion Ratio	Lower	Upper	
142	100		
127	43.3	34.3	51.5
141	14.3	12.2	18.2





#11

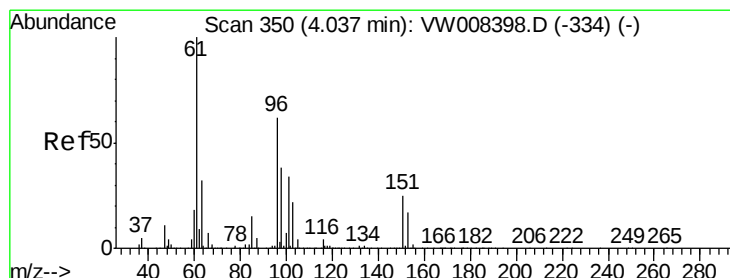
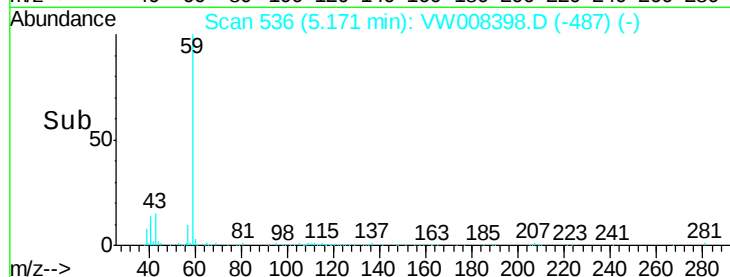
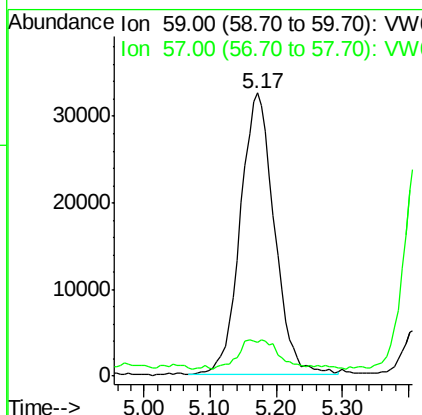
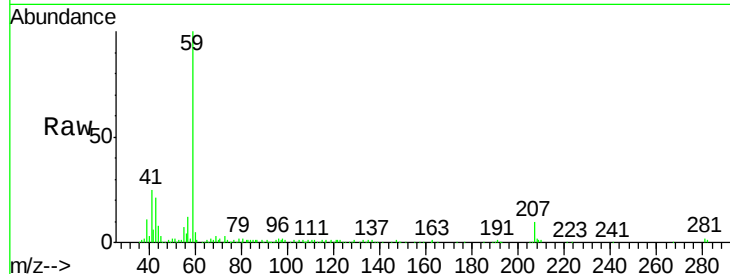
Tert butyl alcohol
Concen: 285.055 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	9.4	14.2

Manual Integrations
APPROVED

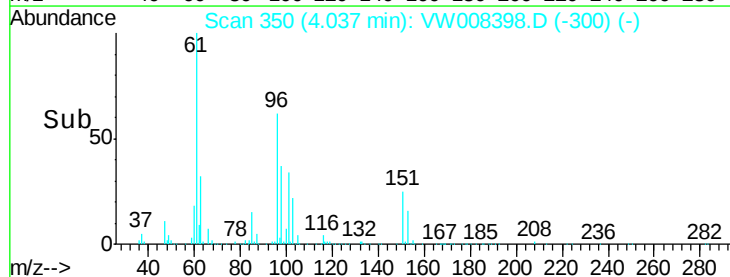
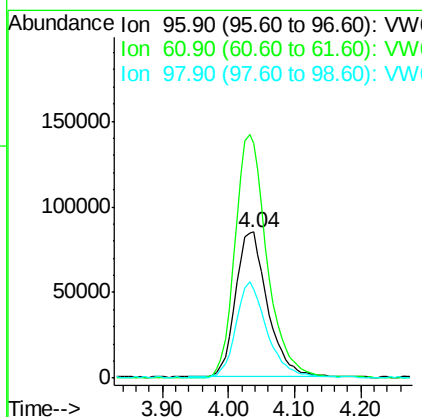
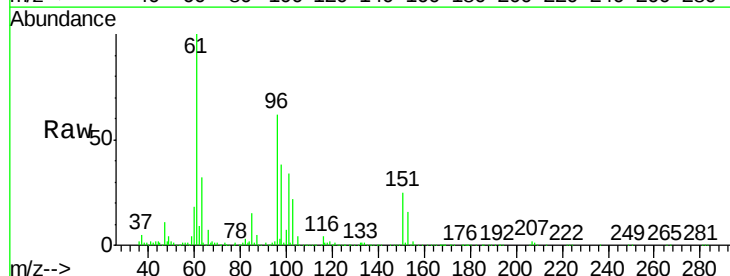
sam
1/25/2019 1:43:52 PM

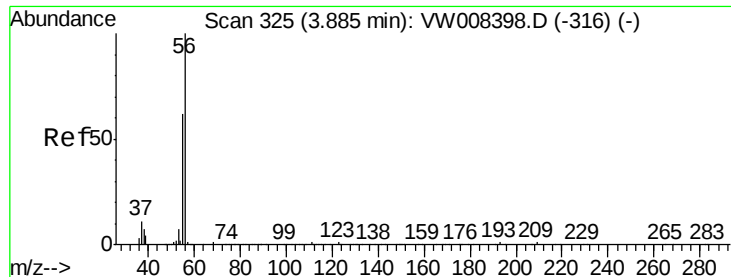


#12

1,1-Dichloroethene
Concen: 47.431 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.01 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	126.4	189.6
98	60.8	46.7	70.1





#13

Acrolein

Concen: 248.160 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 92032

Ion Ratio Lower Upper

56 100

55 70.9

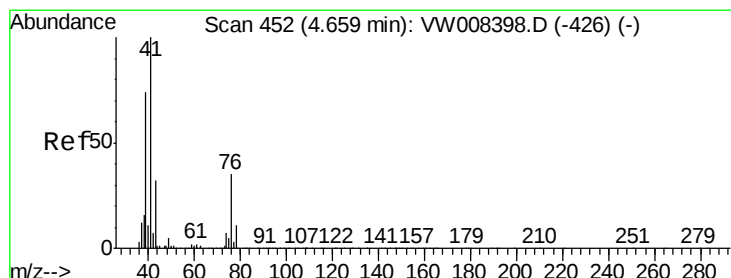
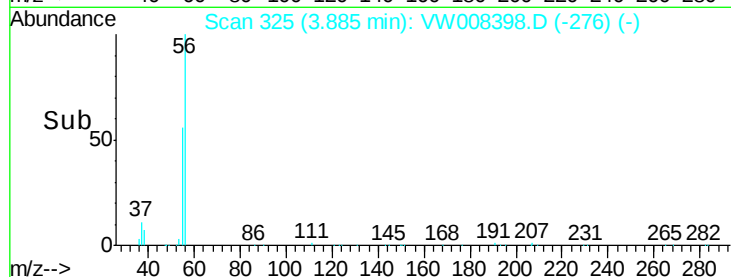
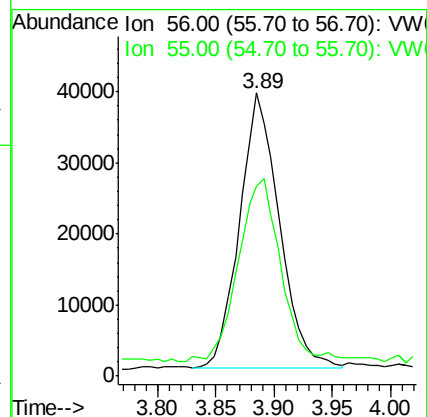
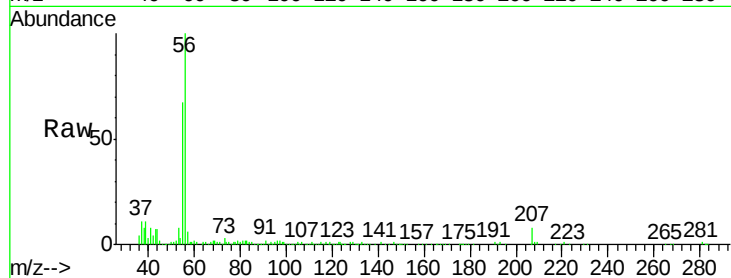
52.9

79.3

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#14

Allyl chloride

Concen: 54.536 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion: 41 Resp: 546269

Ion Ratio Lower Upper

41 100

39 72.1

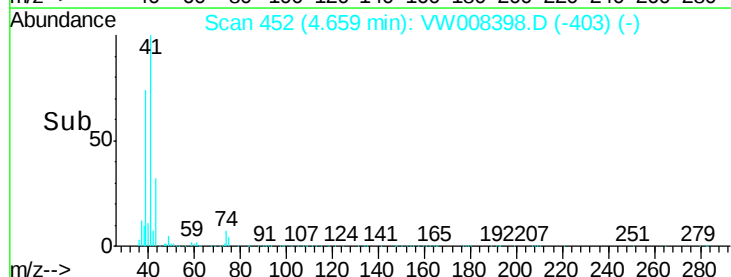
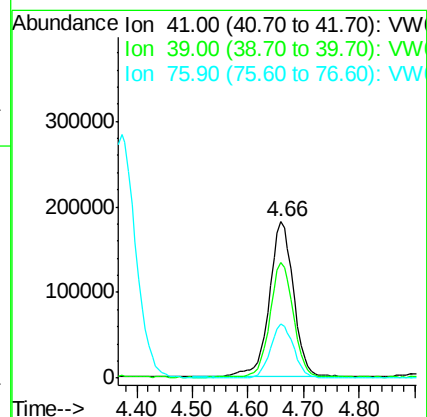
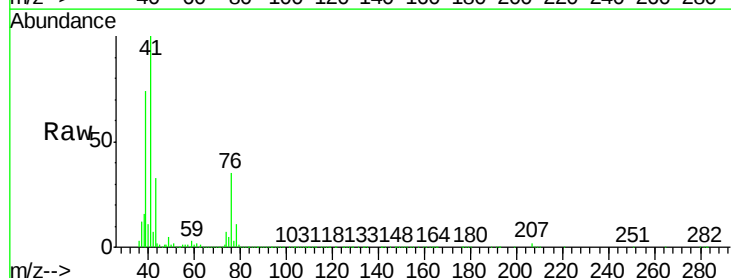
54.1

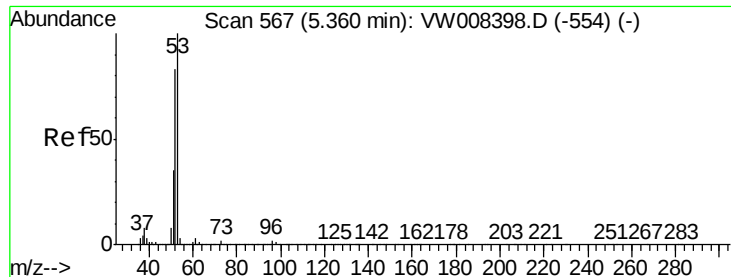
81.1

76 33.6

29.5

44.3





#15

Acrylonitrile

Concen: 250.258 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

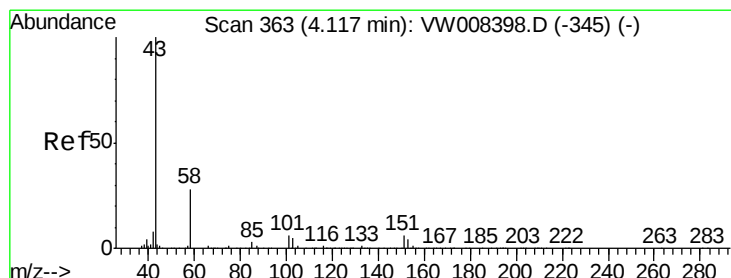
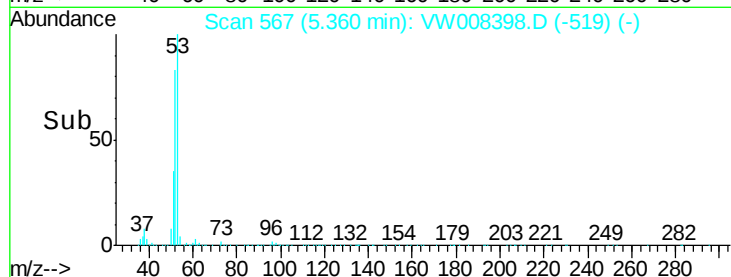
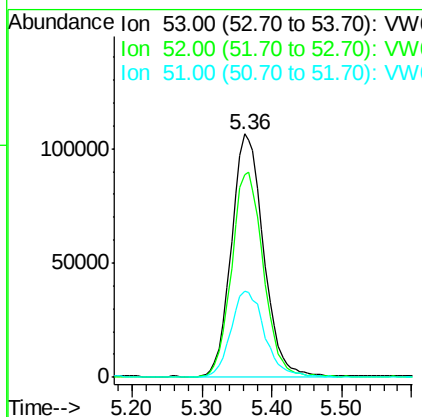
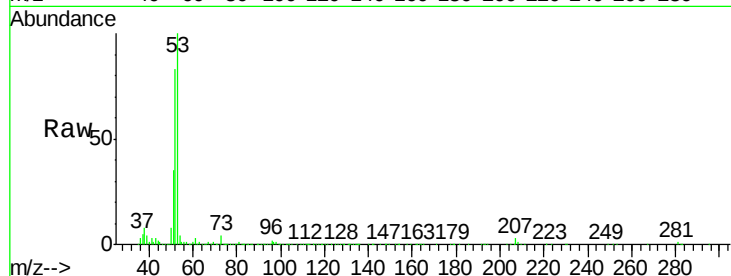
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	337317
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.4	99.6
51	37.3	29.6	44.4

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#16

Acetone

Concen: 234.116 ug/l

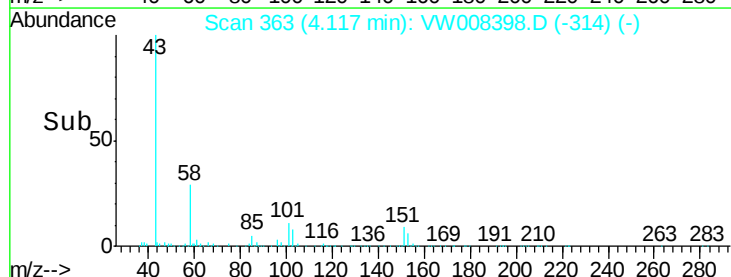
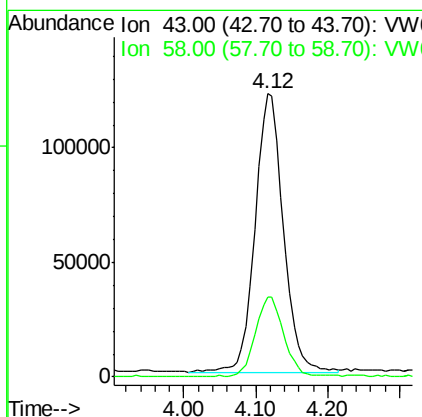
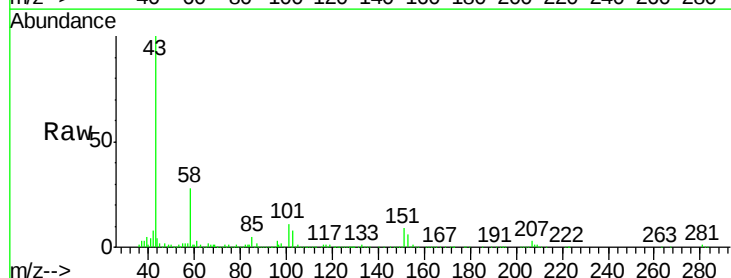
RT: 4.12 min Scan# 363

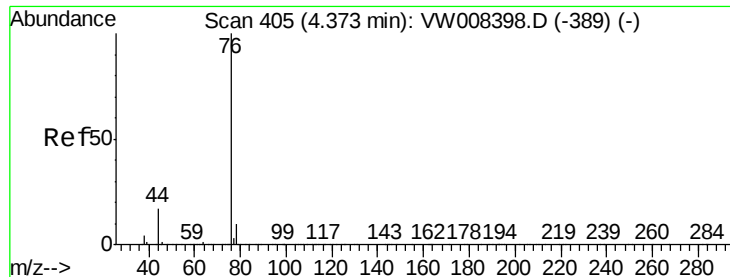
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	43	Resp:	330264
Ion Ratio		Lower	Upper
43	100		
58	28.3	24.7	37.1





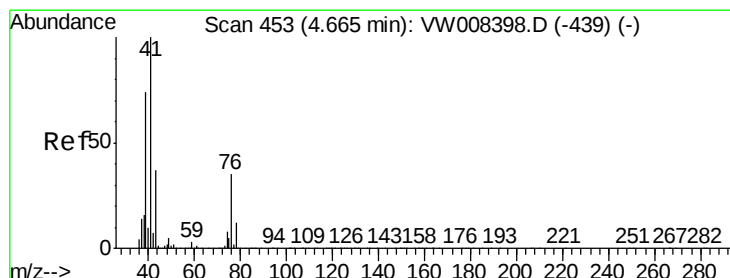
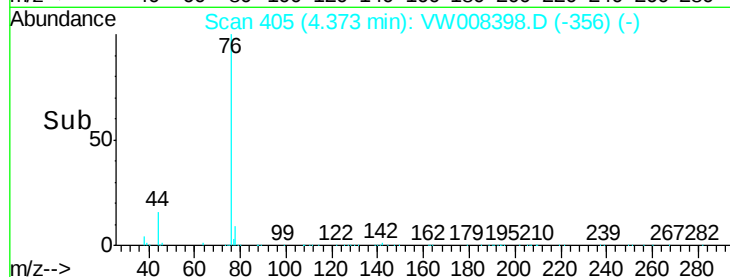
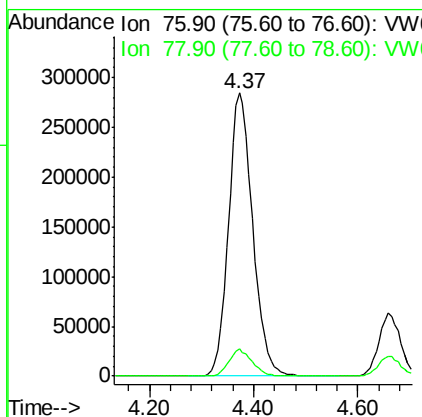
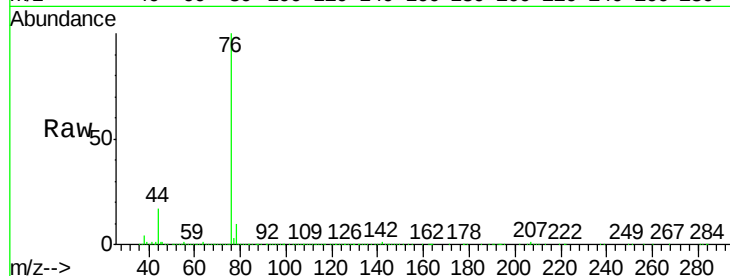
#17
Carbon Disulfide
Concen: 50.689 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.4

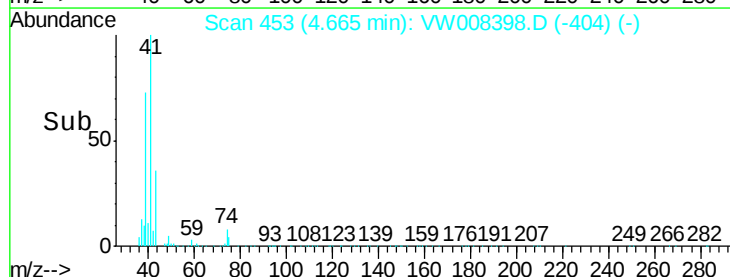
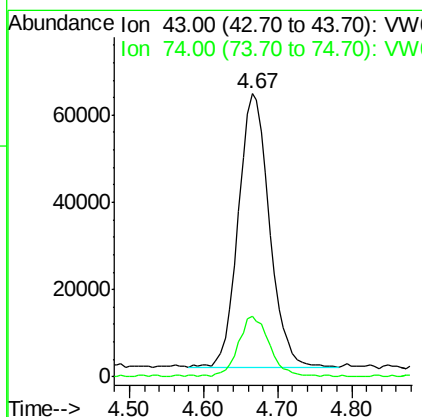
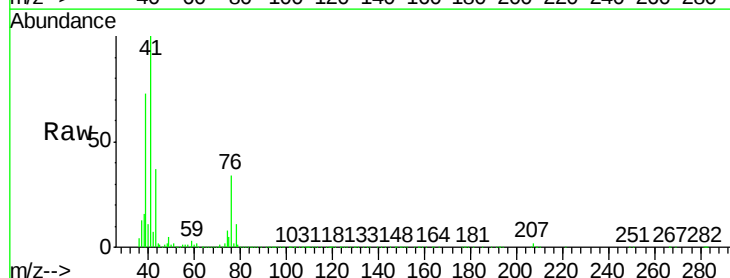
Manual Integrations
APPROVED

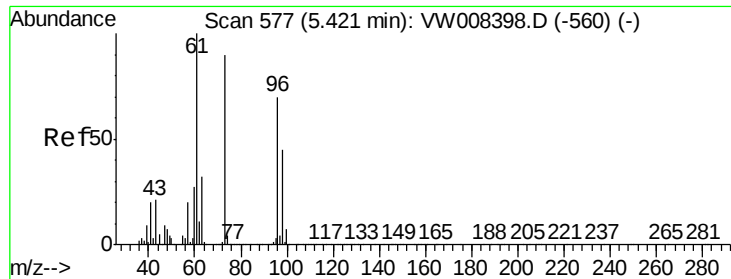
sam
1/25/2019 1:43:52 PM



#18
Methyl Acetate
Concen: 49.258 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	19.4	29.0





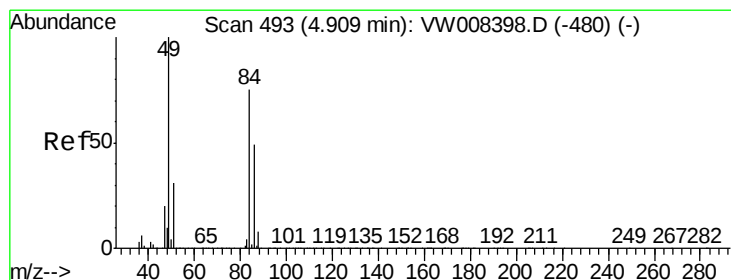
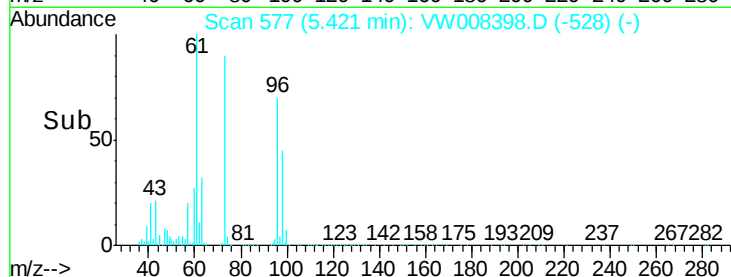
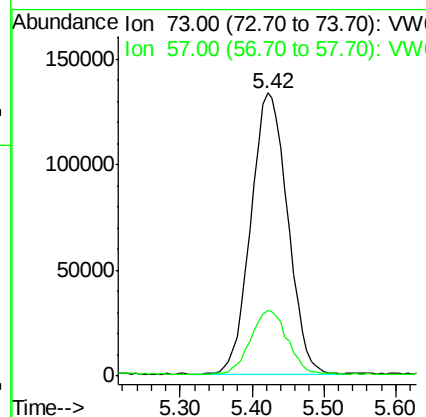
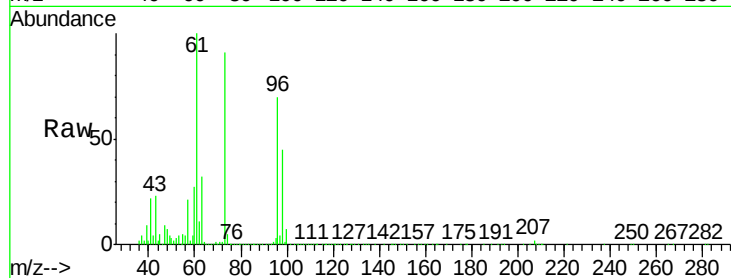
#19
Methvl tert-butvl Ether
Concen: 51.530 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	16.3	24.5

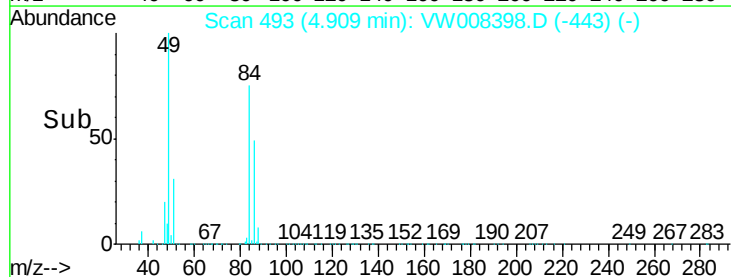
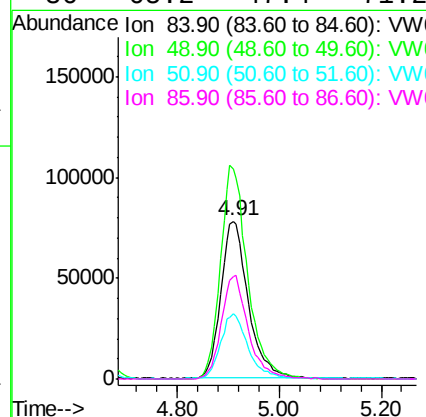
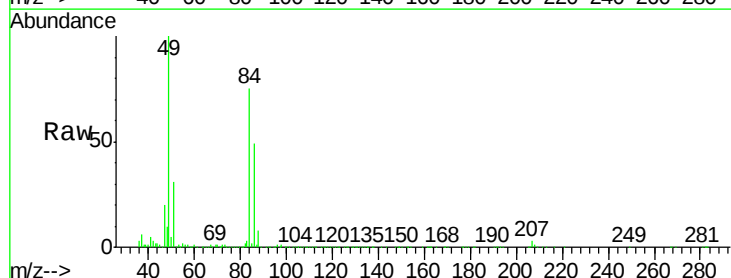
Manual Integrations
APPROVED

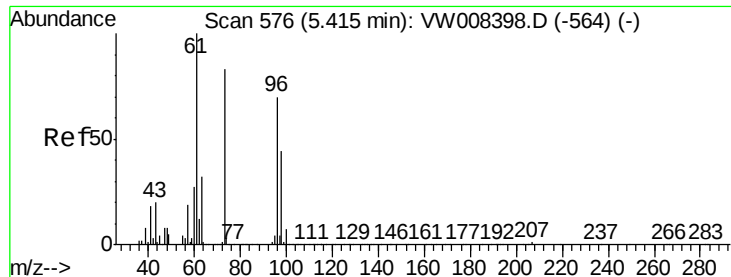
sam
1/25/2019 1:43:52 PM



#20
Methylene Chloride
Concen: 38.799 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.5	95.9	143.9
51	41.1	29.3	43.9
86	65.2	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 47.193 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

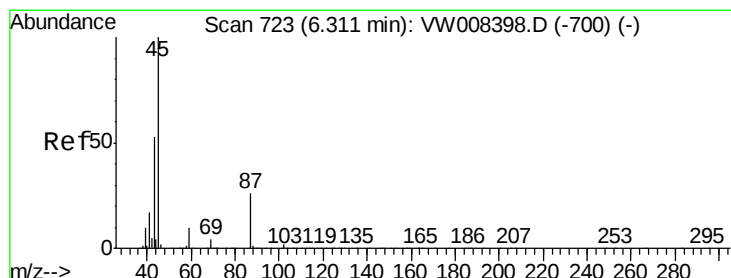
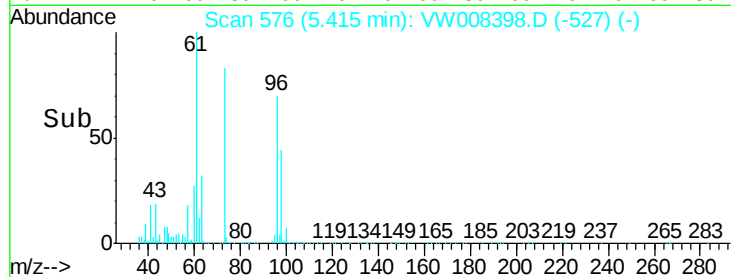
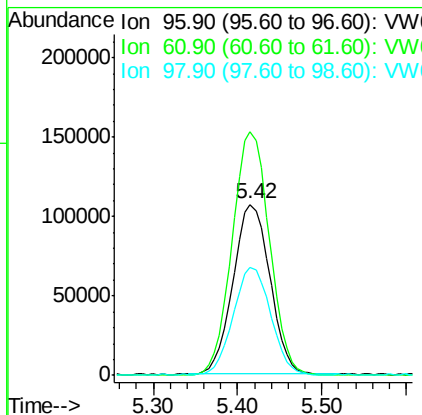
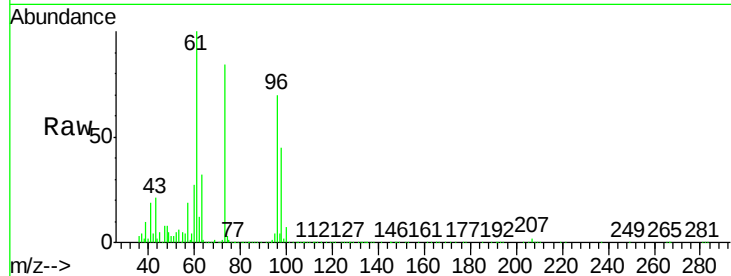
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	317586
Ion	Ratio	Lower	Upper
96	100		
61	143.0	114.5	171.7
98	63.2	52.0	78.0

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#22

Diisopropyl ether

Concen: 52.167 ug/l

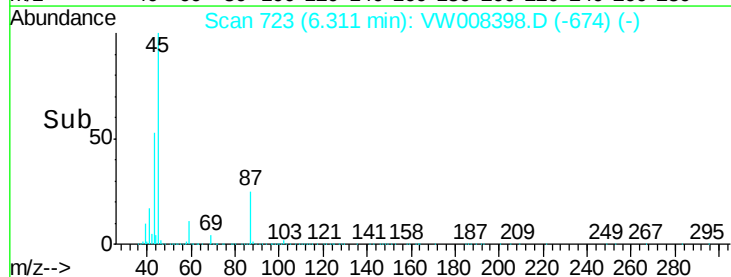
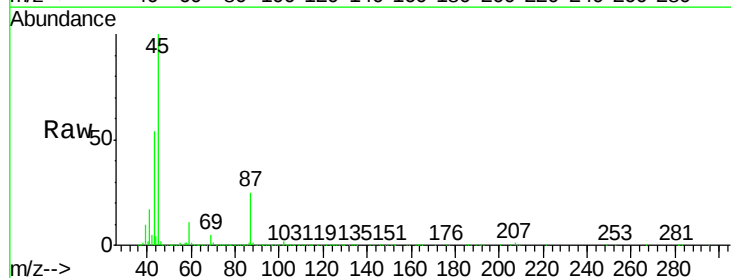
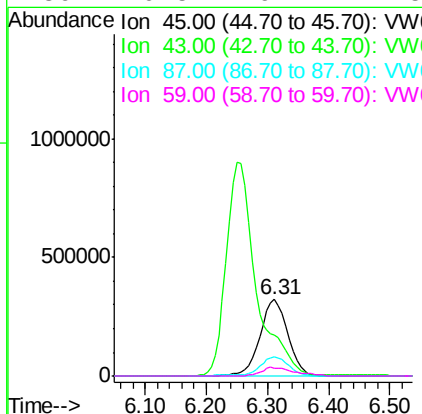
RT: 6.31 min Scan# 723

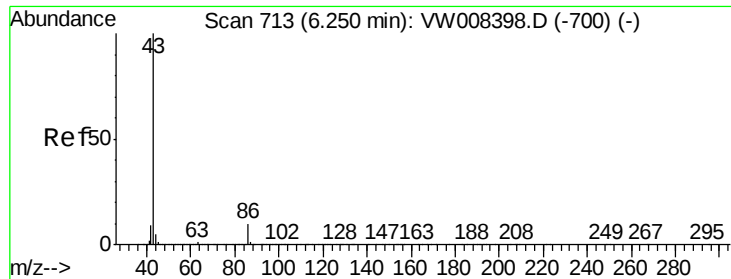
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	45	Resp:	1020174
Ion	Ratio	Lower	Upper
45	100		
43	53.2	42.5	63.7
87	25.4	22.2	33.2
59	10.5	9.7	14.5





#23

Vinyl Acetate

Concen: 290.003 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 3031551

Ion Ratio Lower Upper

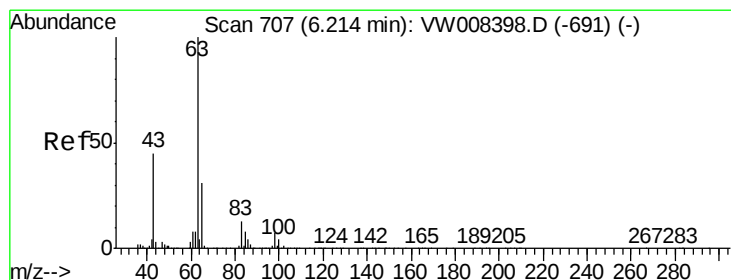
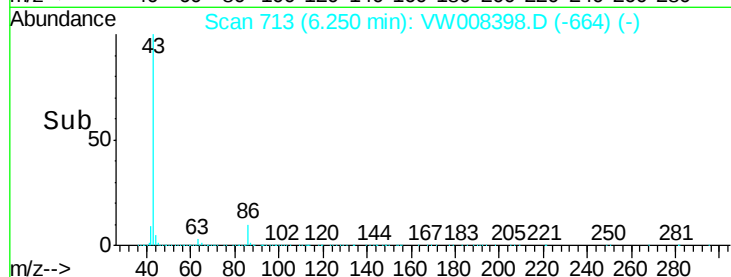
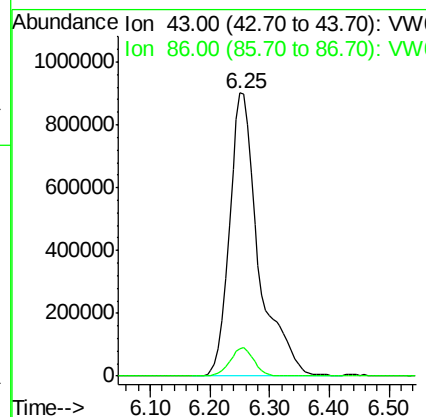
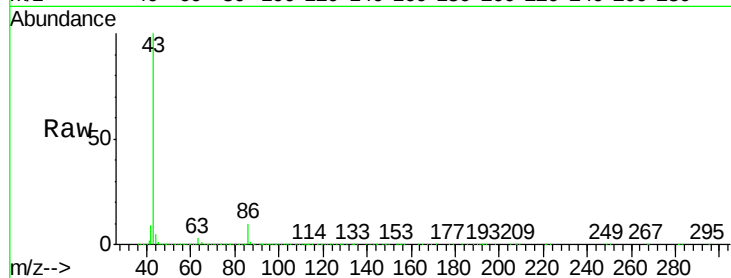
43 100

86 9.8 8.6 13.0

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#24

1,1-Dichloroethane

Concen: 48.551 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

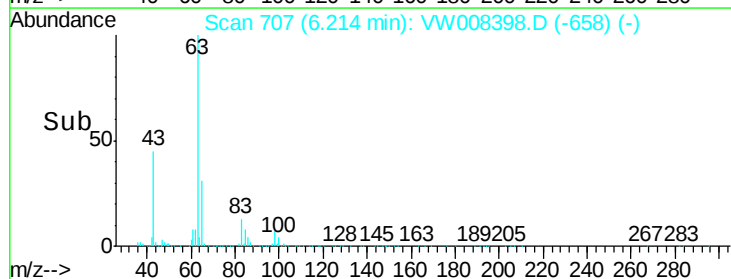
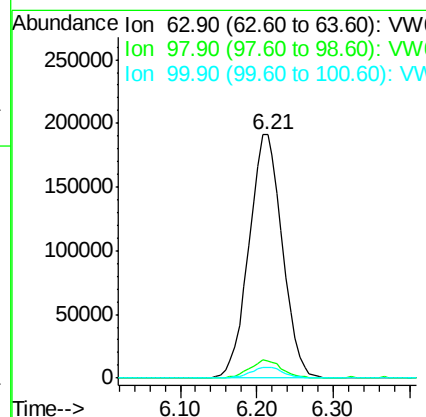
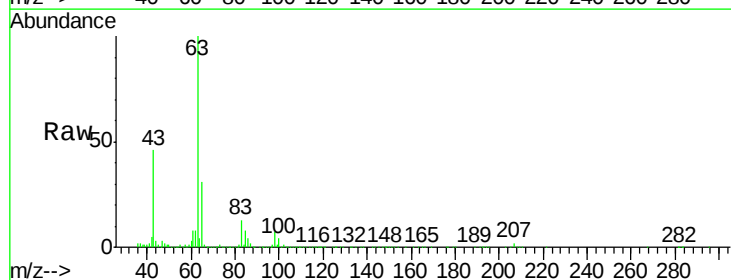
Tgt Ion: 63 Resp: 578107

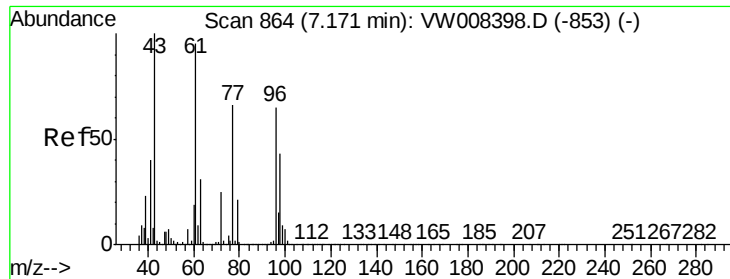
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 4.1 2.1 6.3





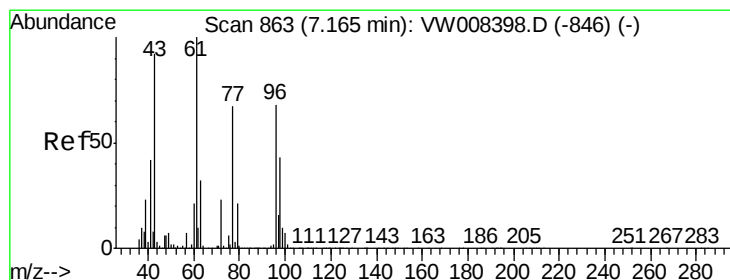
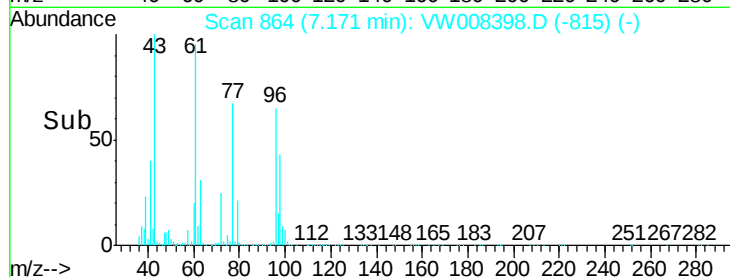
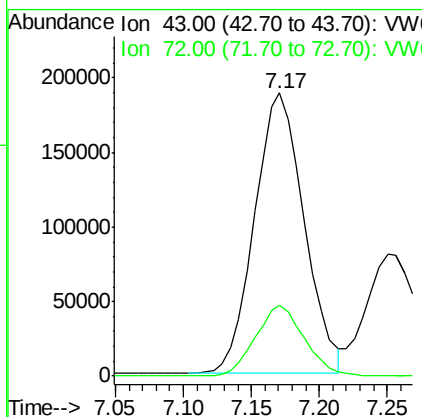
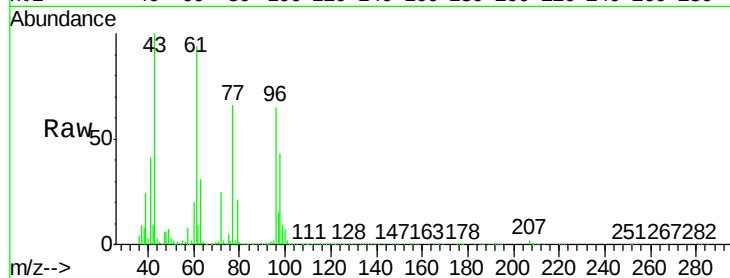
#25
2-Butanone
Concen: 265.537 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 479775
Ion Ratio Lower Upper
43 100
72 25.1 21.2 31.8

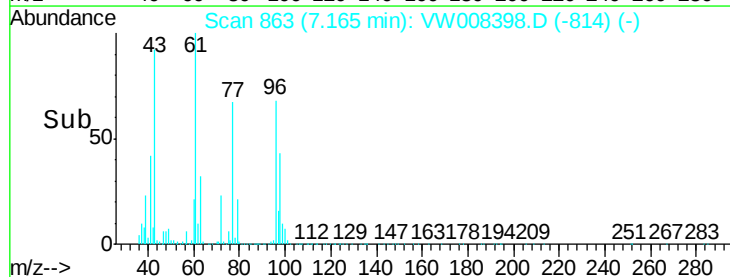
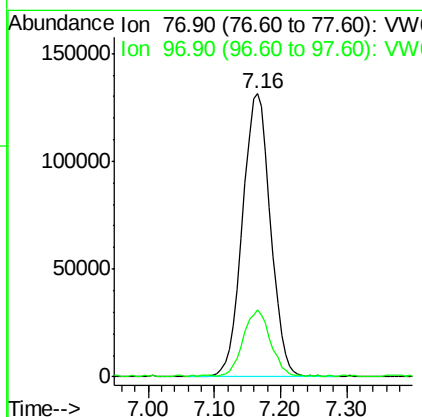
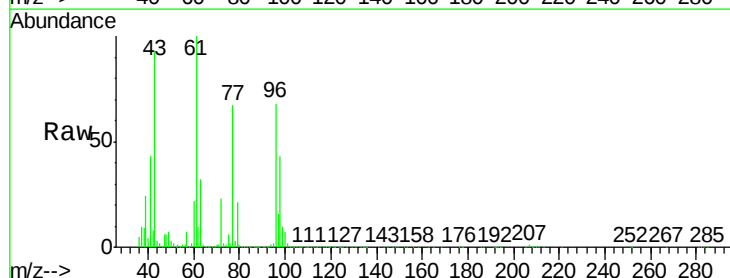
Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#26
2,2-Dichloropropane
Concen: 50.691 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion: 77 Resp: 385188
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.1





#27

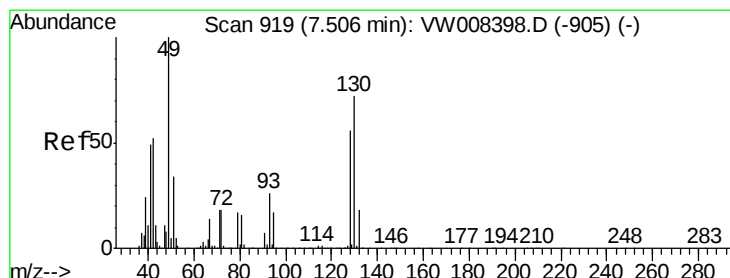
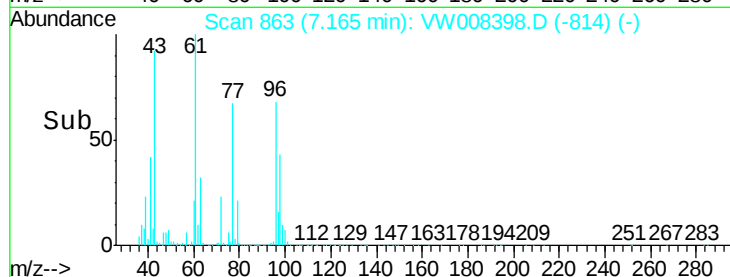
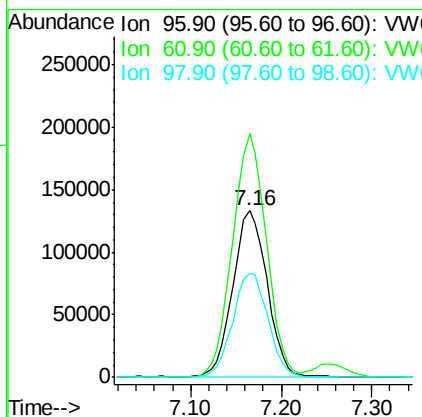
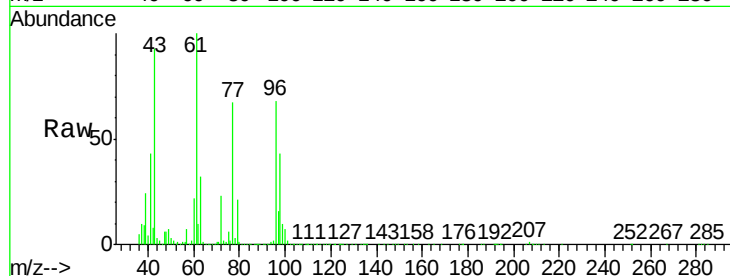
cis-1,2-Dichloroethene
Concen: 47.387 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	146.4	0.0	272.2	
98	64.6	0.0	129.4	

Manual Integrations
APPROVED

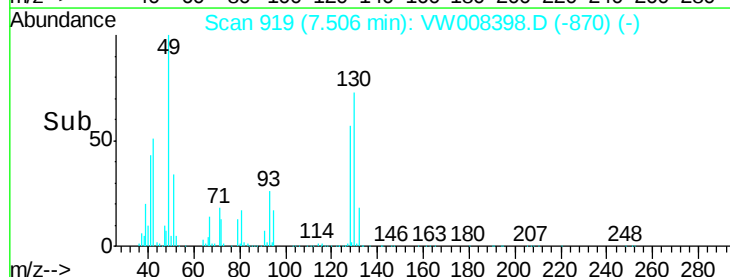
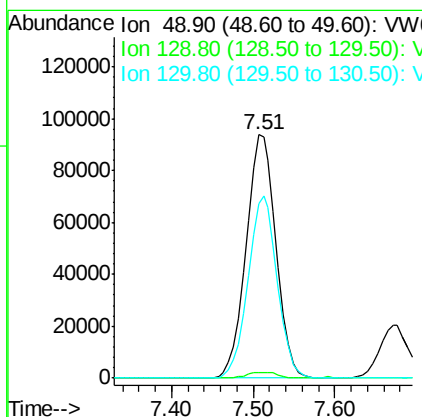
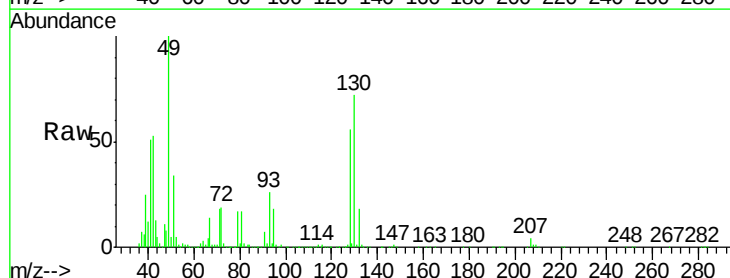
sam
1/25/2019 1:43:52 PM

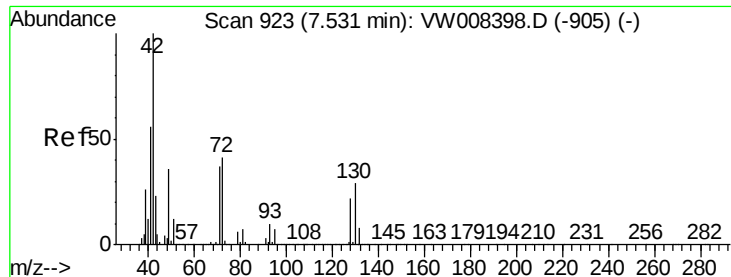


#28

Bromochloromethane
Concen: 48.644 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	2.6	
130	73.2	0.0	0.0#	





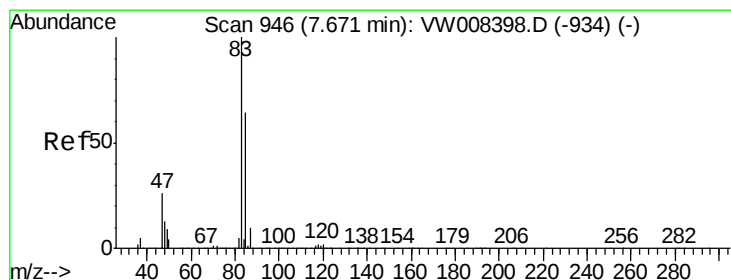
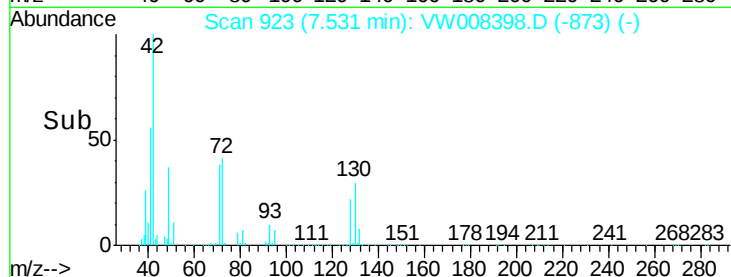
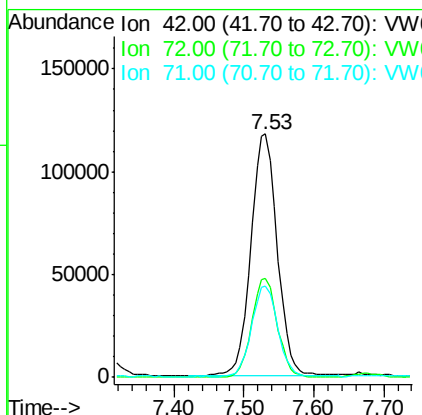
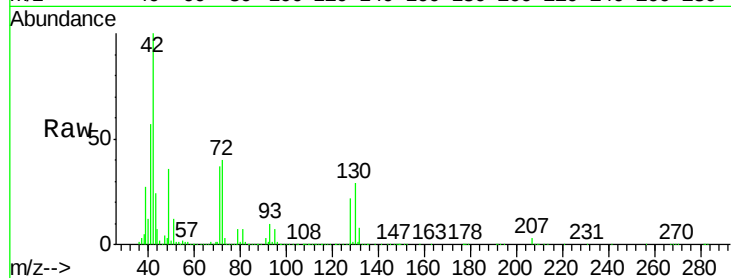
#29
Tetrahydrofuran
Concen: 272.728 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.9	34.0	51.0
71	37.4	32.0	48.0

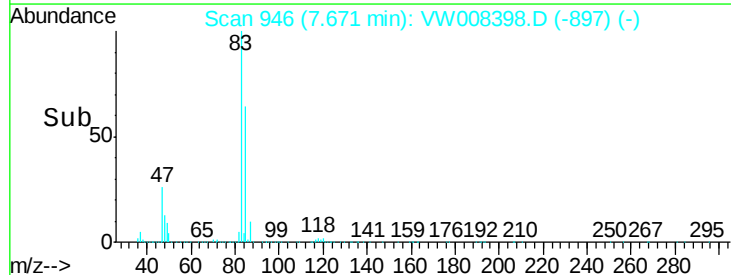
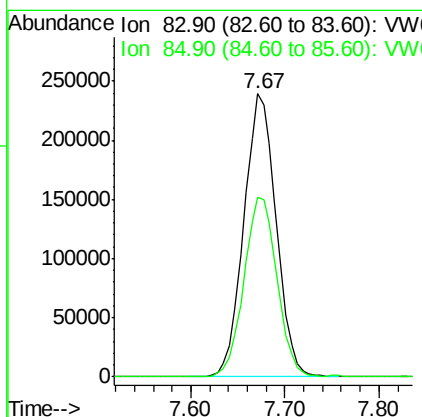
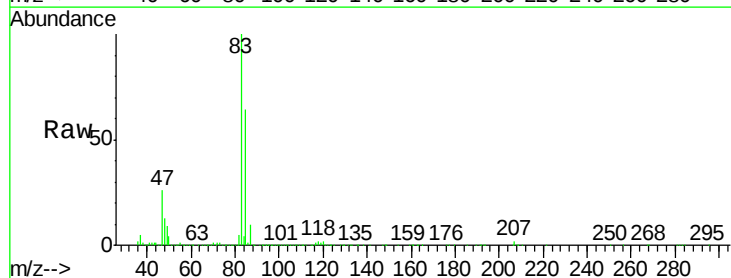
Manual Integrations
APPROVED

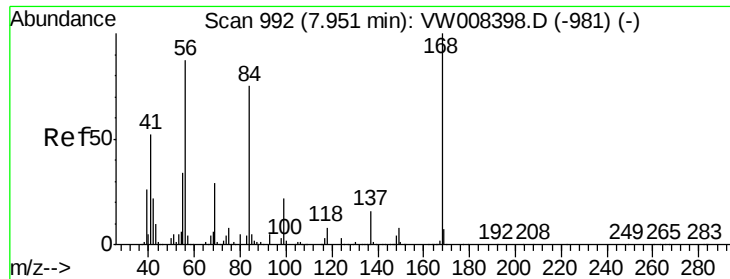
sam
1/25/2019 1:43:52 PM



#30
Chloroform
Concen: 48.623 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.2





#31

Cyclohexane

Concen: 50.397 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

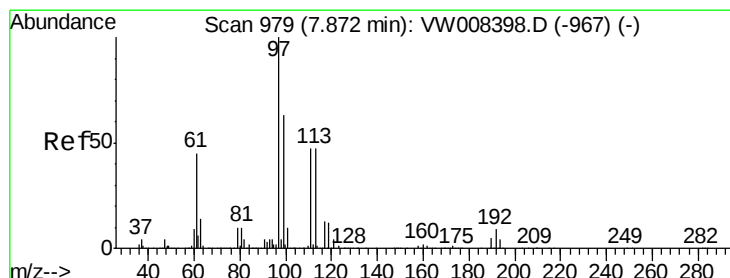
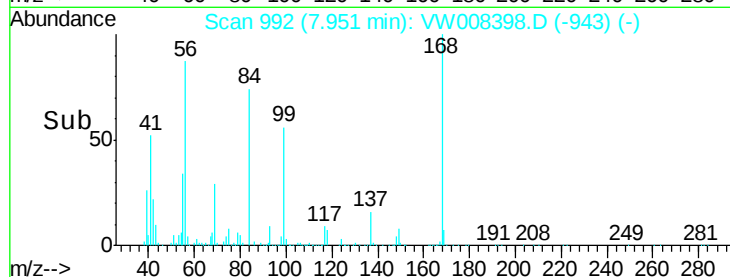
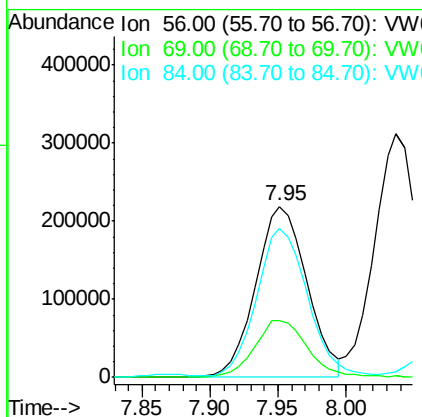
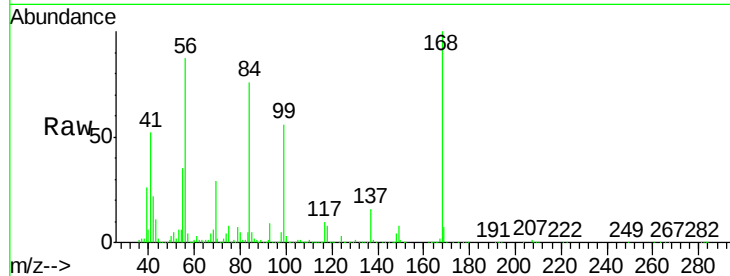
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	571756
Ion Ratio		Lower	Upper
56	100		
69	33.0	27.0	40.6
84	86.4	72.5	108.7

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#32

1,1,1-Trichloroethane

Concen: 49.854 ug/l

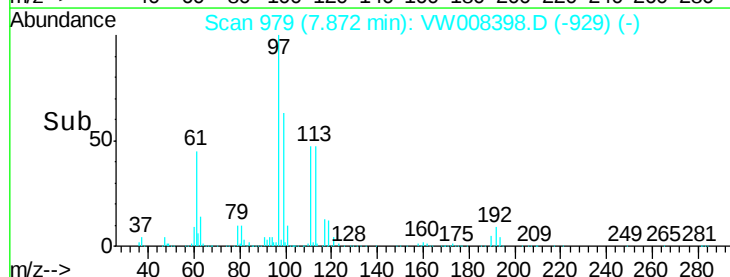
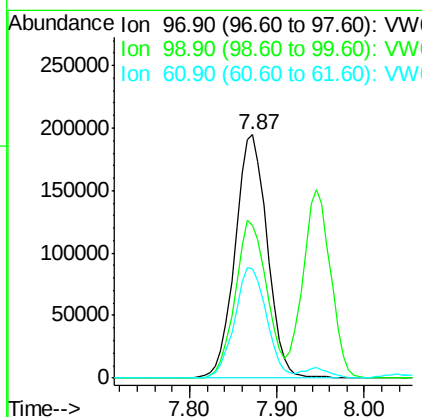
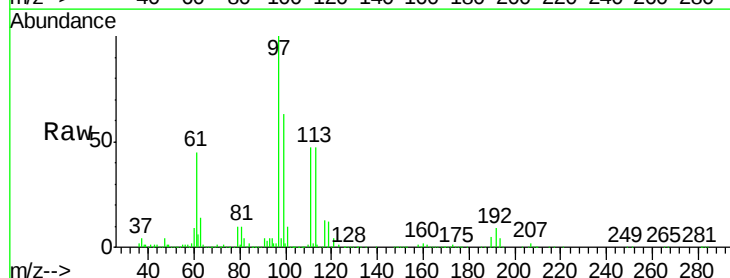
RT: 7.87 min Scan# 979

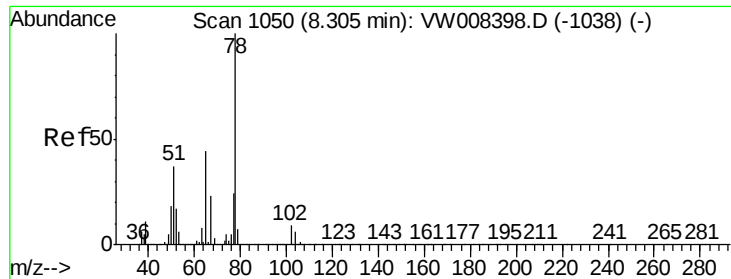
Delta R.T. 0.01 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	97	Resp:	492920
Ion Ratio		Lower	Upper
97	100		
99	64.1	51.1	76.7
61	45.3	34.0	51.0





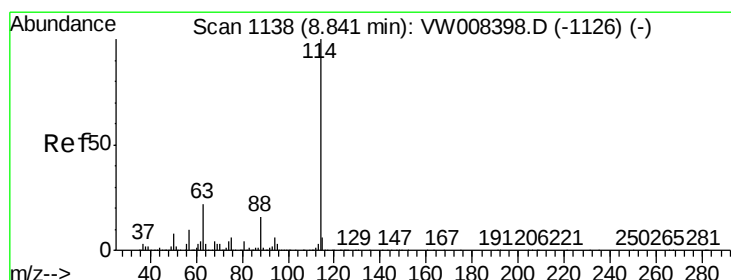
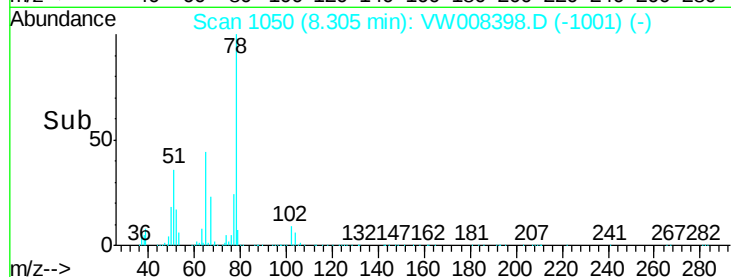
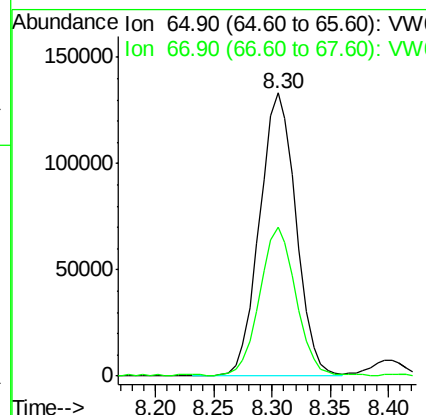
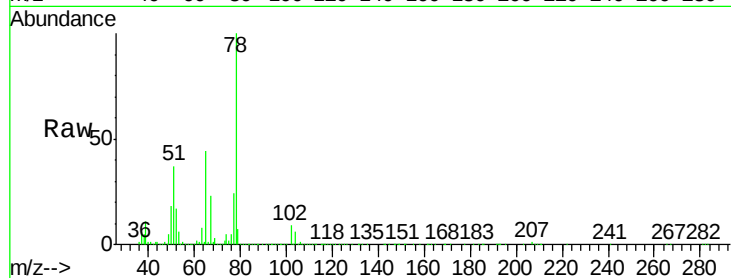
#33
 1,2-Dichloroethane-d4
 Concen: 47.693 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	289705		
67	52.0	0.0	106.2	

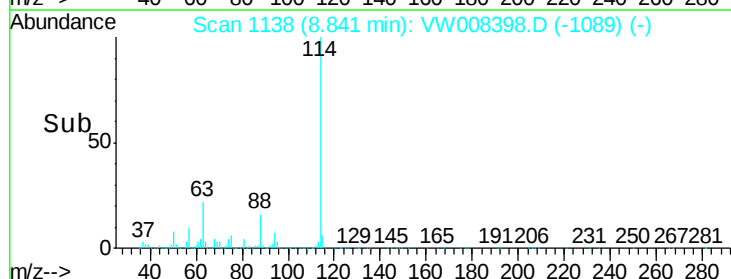
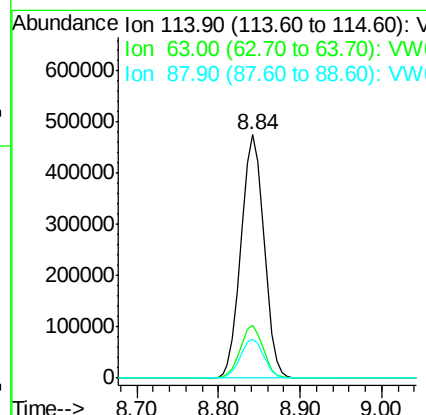
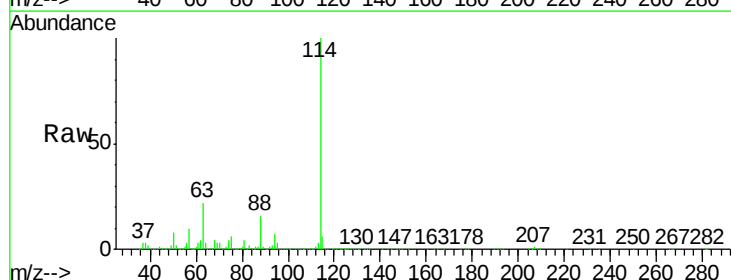
Manual Integrations
 APPROVED

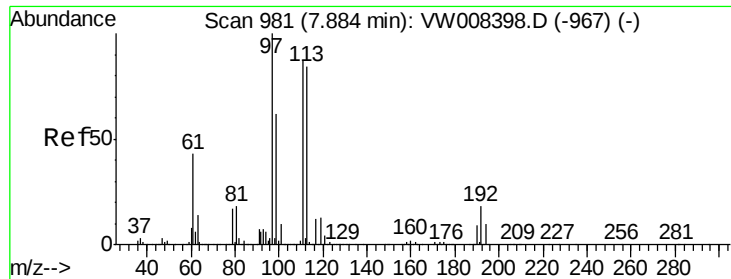
sam
 1/25/2019 1:43:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	922659		
63	21.8	0.0	40.8	
88	15.9	0.0	30.4	





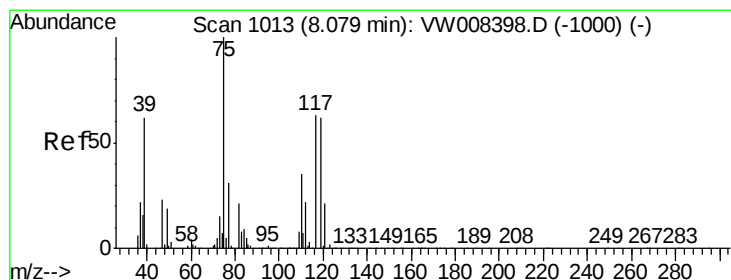
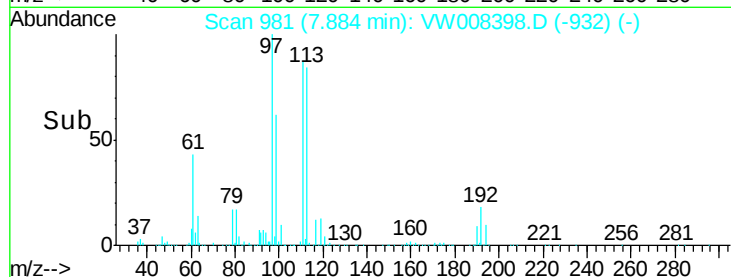
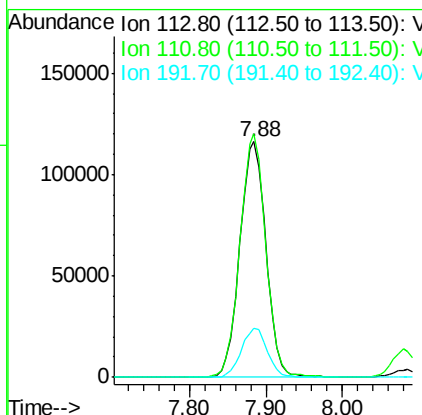
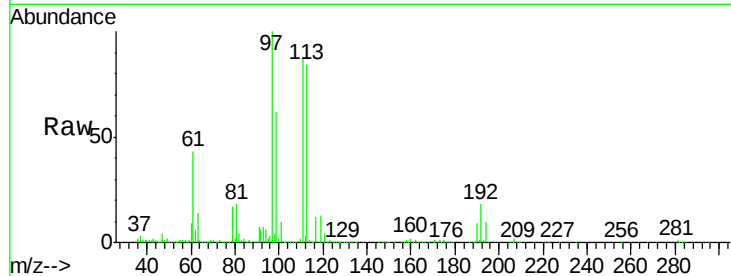
#35
 Dibromofluoromethane
 Concen: 46.810 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.8	122.8
192	21.0	16.3	24.5

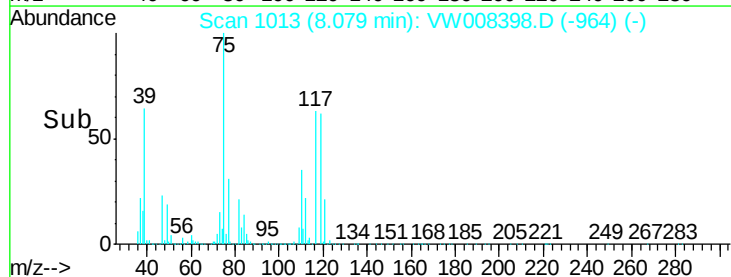
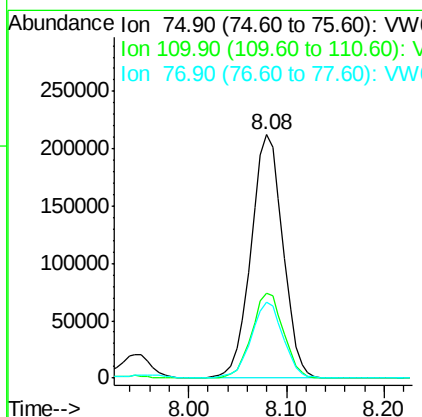
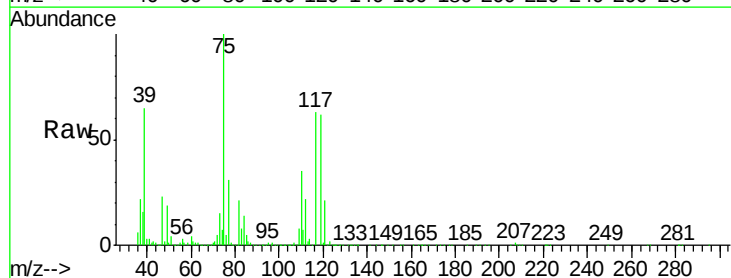
Manual Integrations
 APPROVED

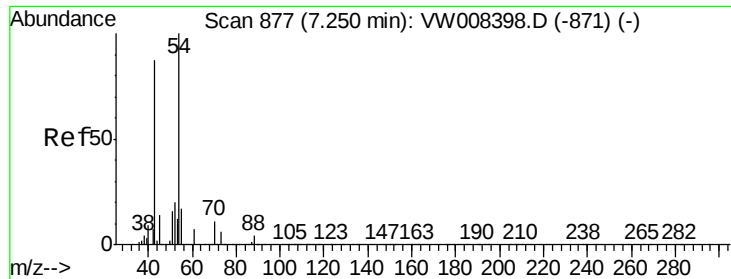
sam
 1/25/2019 1:43:52 PM



#36
 1,1-Dichloropropene
 Concen: 51.463 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.5	52.6
77	30.9	25.0	37.6





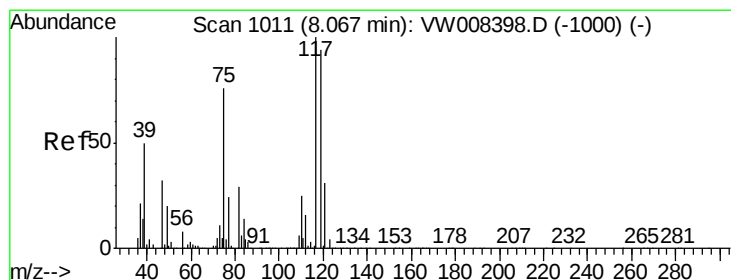
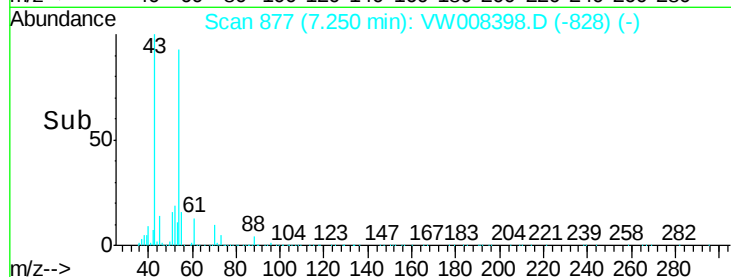
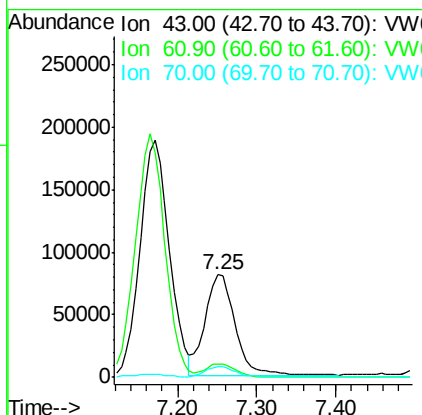
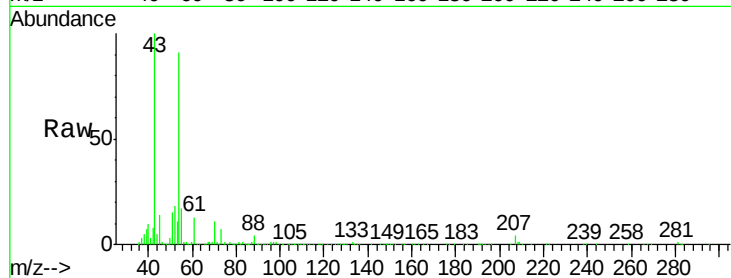
#37
Ethyl Acetate
Concen: 55.878 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.5	17.3
70	9.7	8.8	13.2

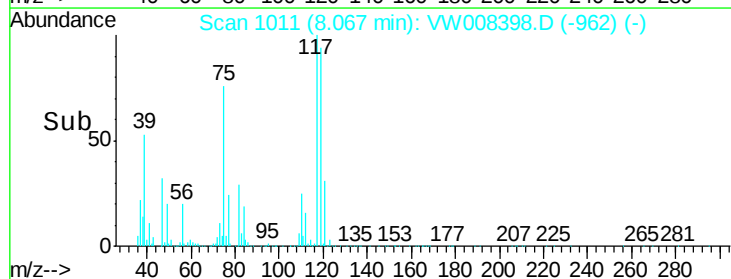
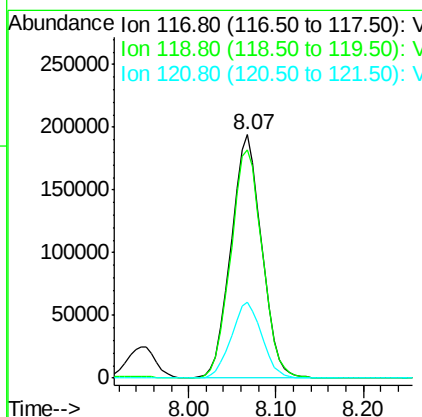
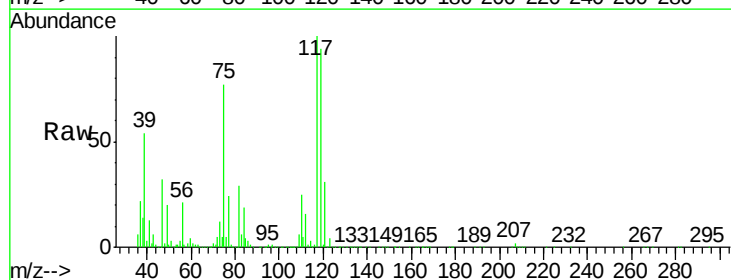
Manual Integrations
APPROVED

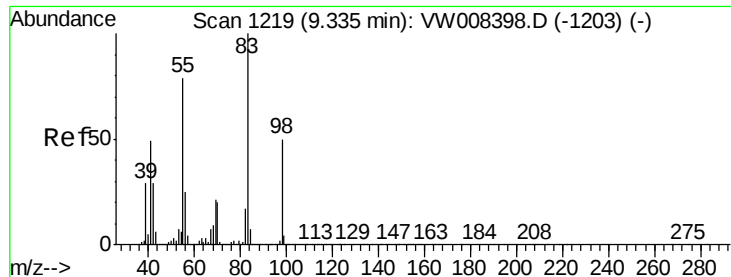
sam
1/25/2019 1:43:52 PM



#38
Carbon Tetrachloride
Concen: 51.571 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	73.8	110.6
121	31.1	23.4	35.0





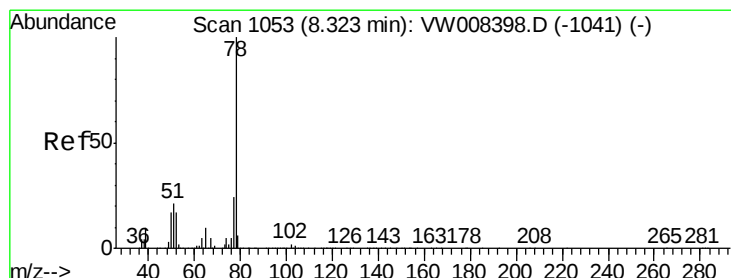
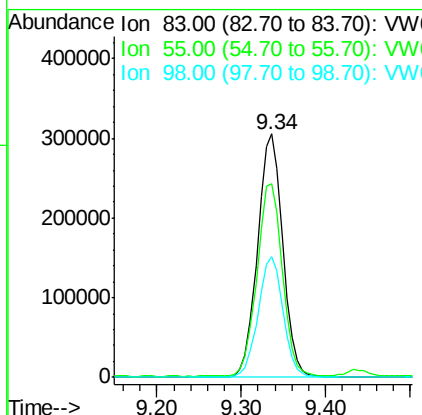
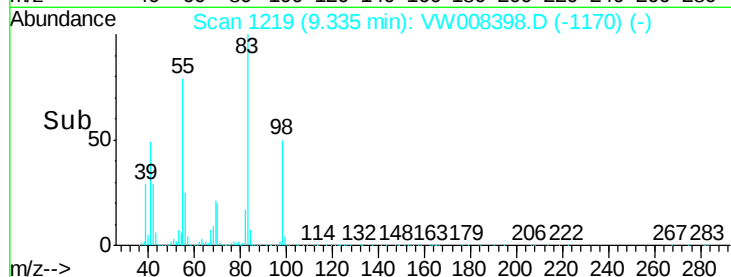
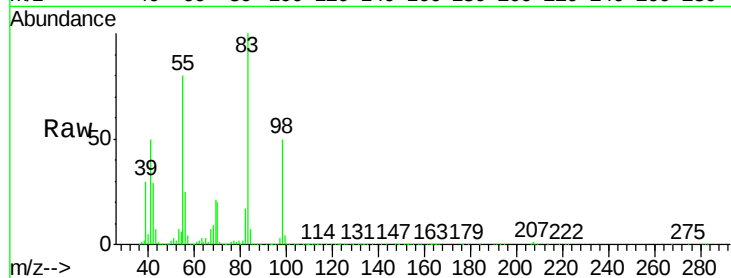
#39
Methvlcvclohexane
Concen: 56.524 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	61.1	91.7
98	49.6	42.5	63.7

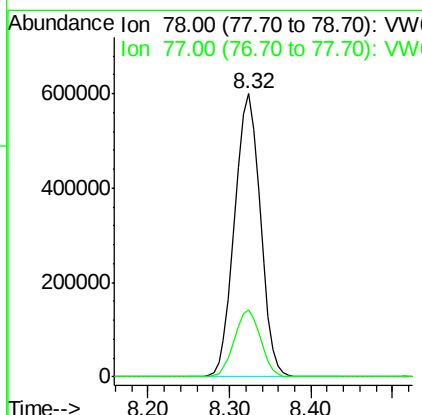
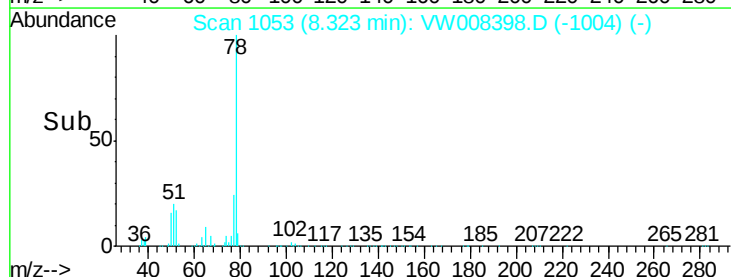
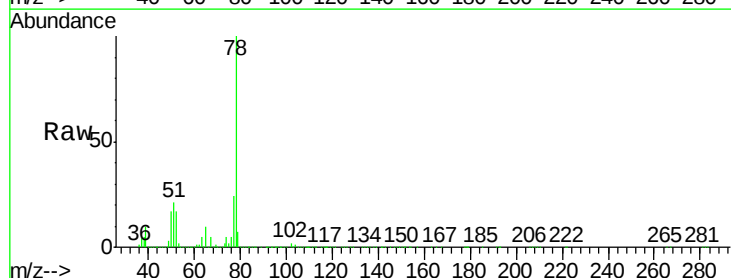
Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#40
Benzene
Concen: 49.666 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





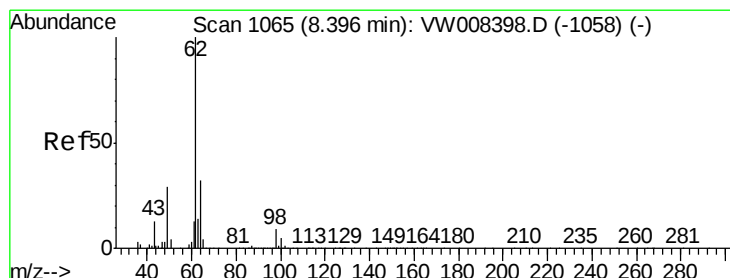
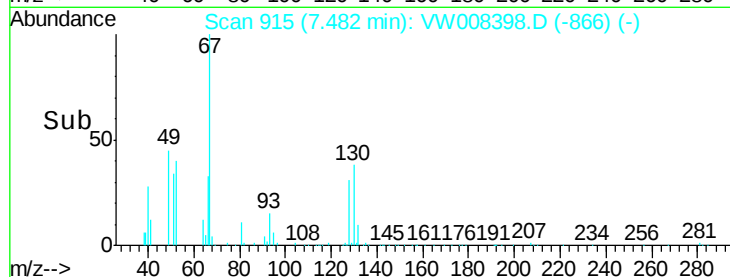
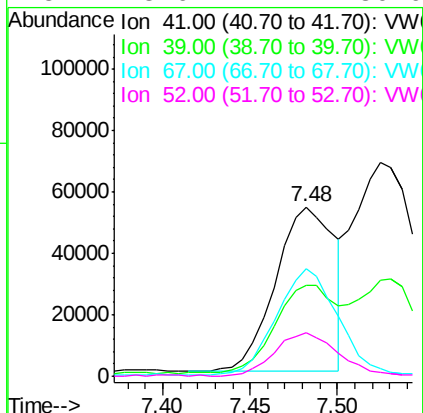
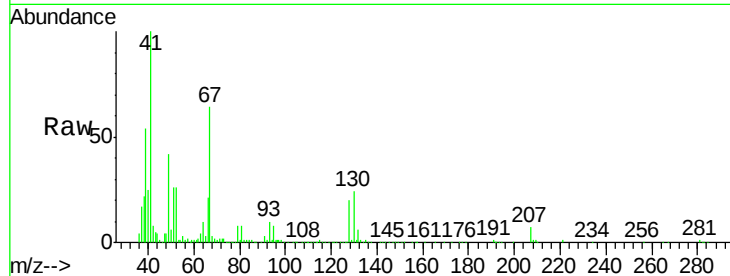
#41
Methacrylonitrile
Concen: 56.281 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		125417		
39	54.2	44.9	67.3		
67	67.7	56.9	85.3		
52	28.6	24.4	36.6		

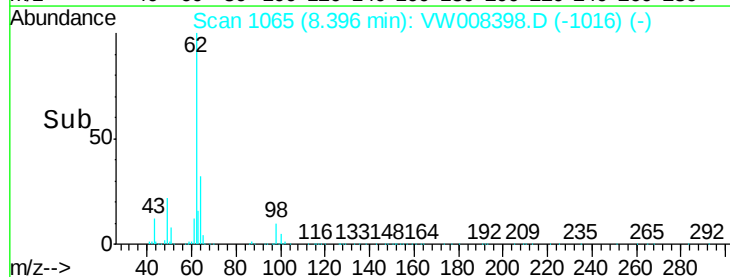
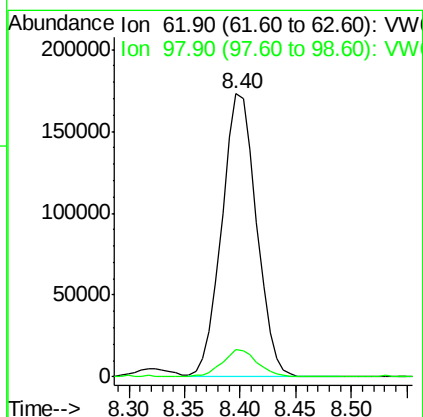
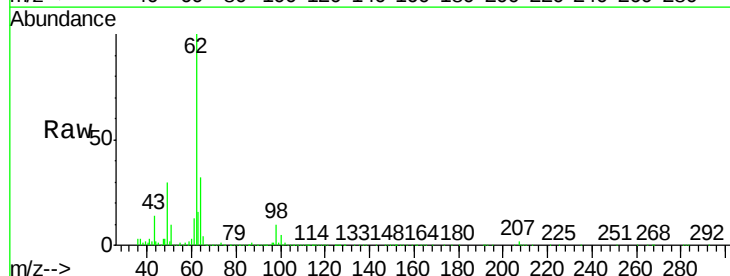
Manual Integrations
APPROVED

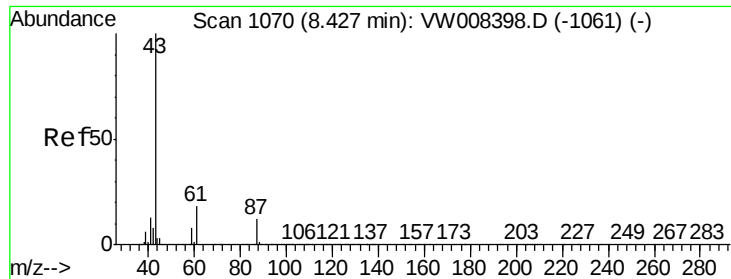
sam
1/25/2019 1:43:52 PM



#42
1,2-Dichloroethane
Concen: 50.837 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		373792		
98	9.3	0.0	19.0		





#43

Isopropyl Acetate

Concen: 60.965 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

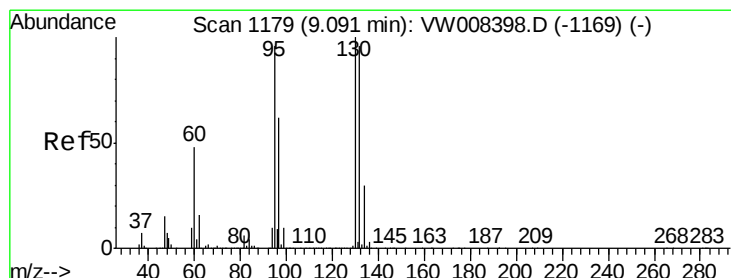
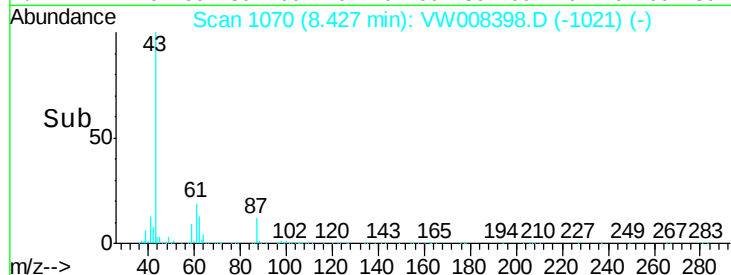
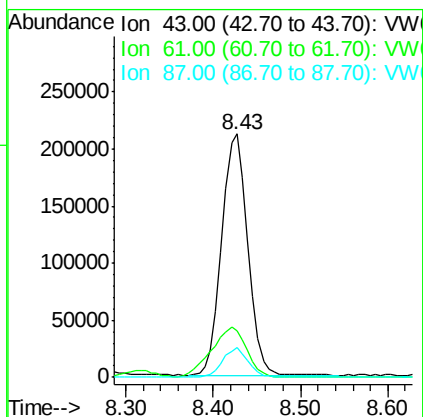
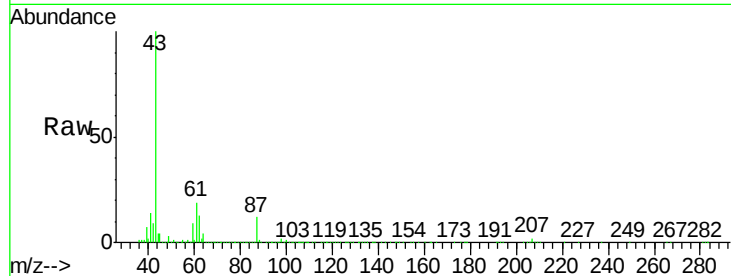
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	440826
Ion	Ratio	Lower	Upper
43	100		
61	27.5	24.8	37.2
87	11.6	10.7	16.1

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#44

Trichloroethene

Concen: 48.657 ug/l

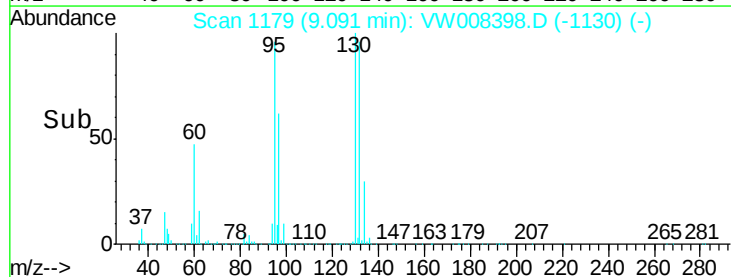
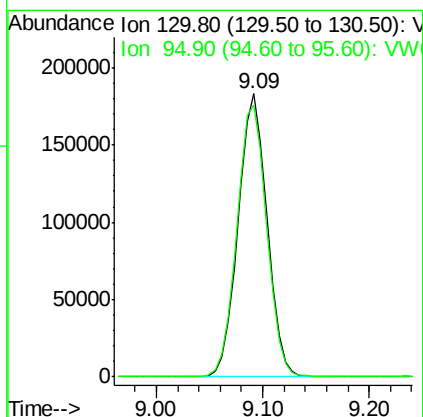
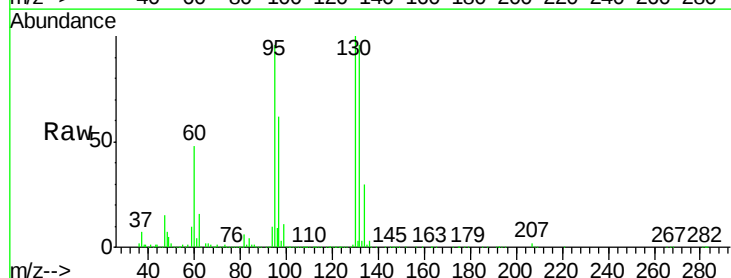
RT: 9.09 min Scan# 1179

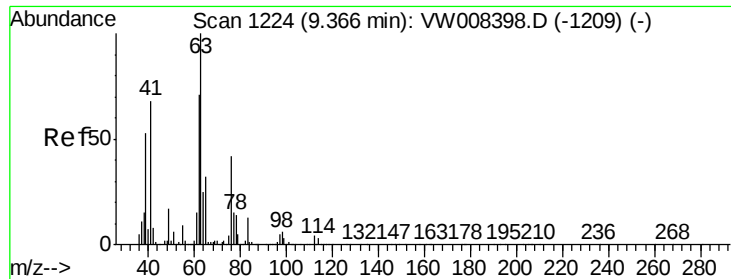
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	130	Resp:	350529
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	184.8





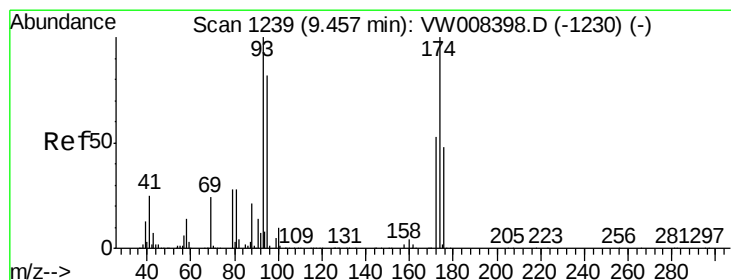
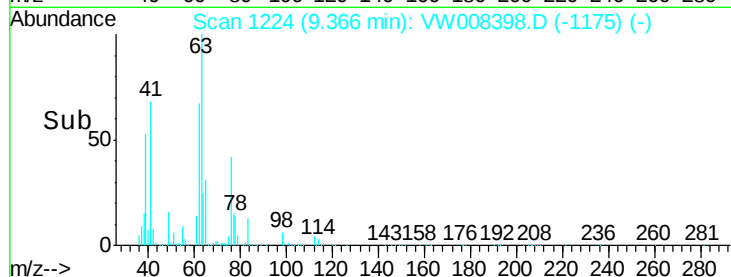
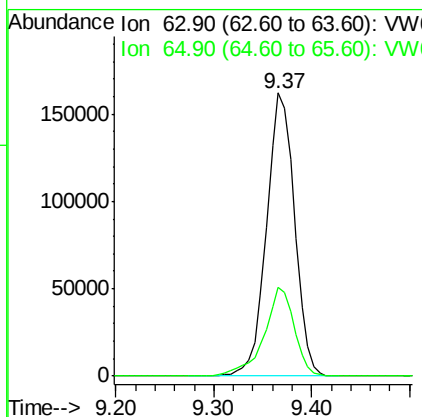
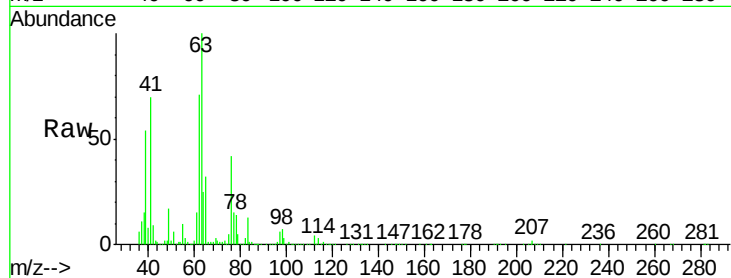
#45
 1,2-Dichloropropane
 Concen: 49.580 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	23.9	35.9

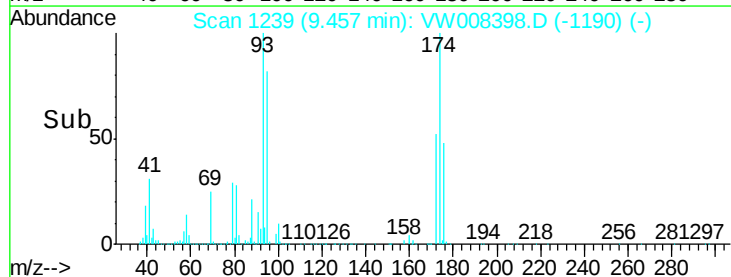
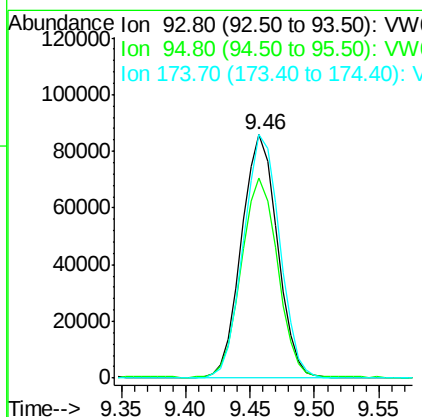
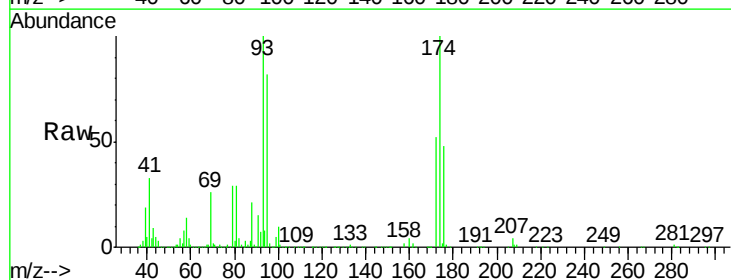
Manual Integrations
 APPROVED

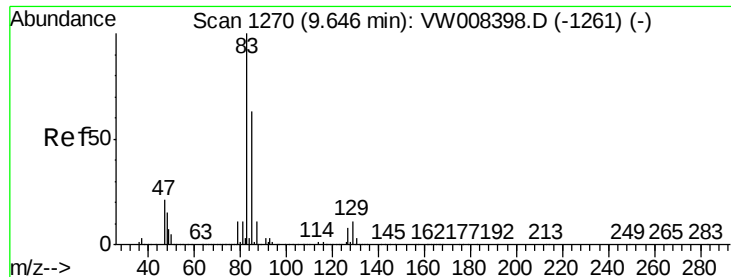
sam
 1/25/2019 1:43:52 PM



#46
 Dibromomethane
 Concen: 48.622 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.4	67.8	101.8
174	101.3	84.4	126.6





#47

Bromodichloromethane

Concen: 52.215 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tot Ion:	83	Resp:	438453
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.6	77.4
127	8.5	6.8	10.2

Instrument :

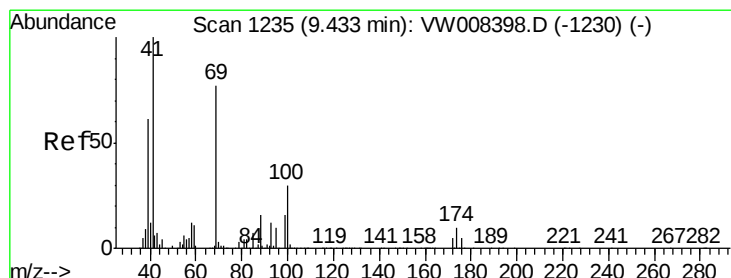
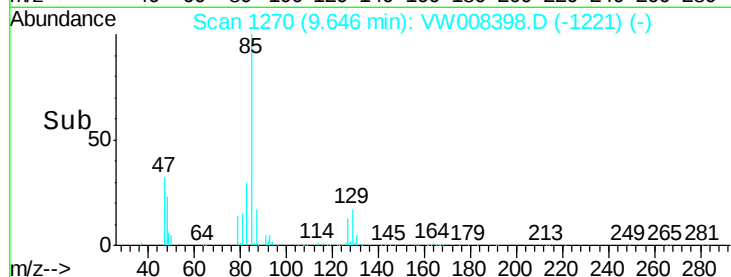
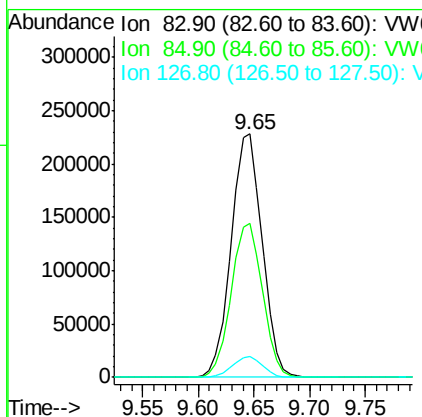
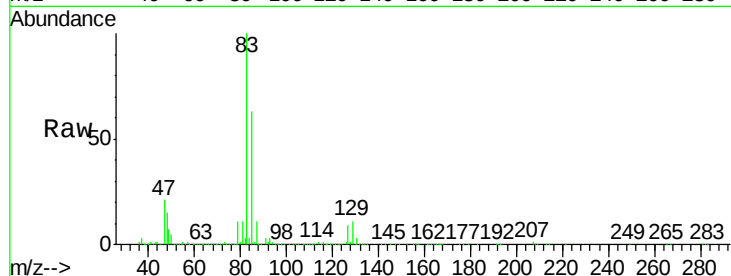
MSVOA_W

ClientSampleId :

VSTDICCC050

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#48

Methyl methacrylate

Concen: 61.414 ug/l

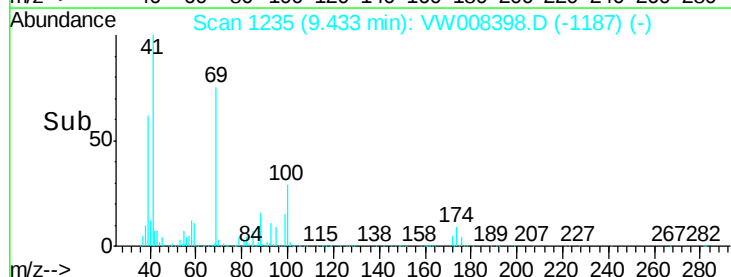
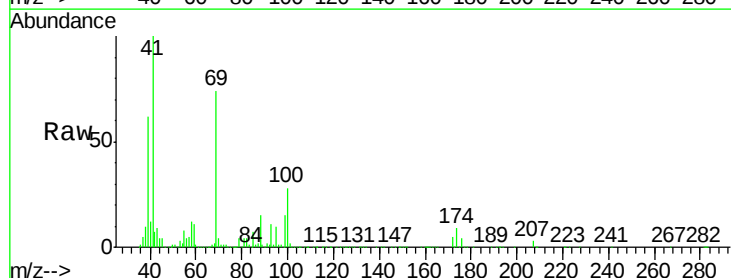
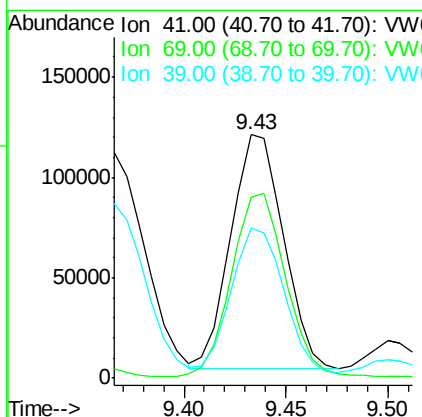
RT: 9.43 min Scan# 1235

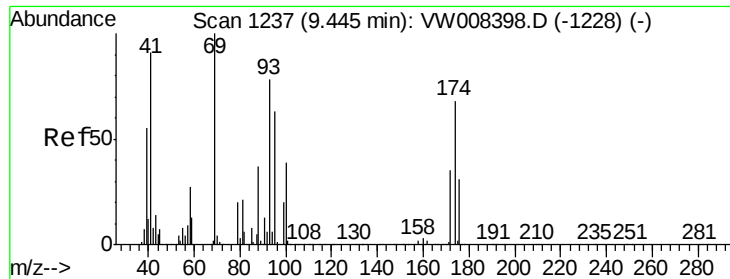
Delta R.T. -0.01 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	41	Resp:	209048
Ion Ratio	Lower	Upper	
41	100		
69	81.0	68.2	102.4
39	61.4	46.0	69.0





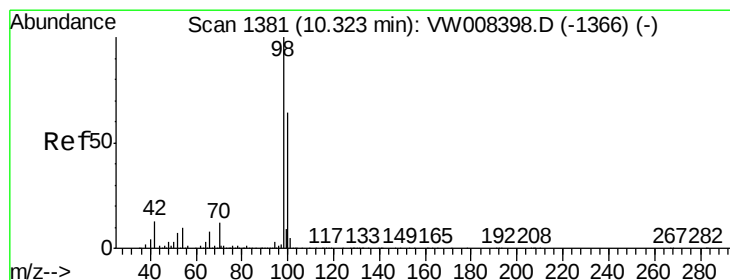
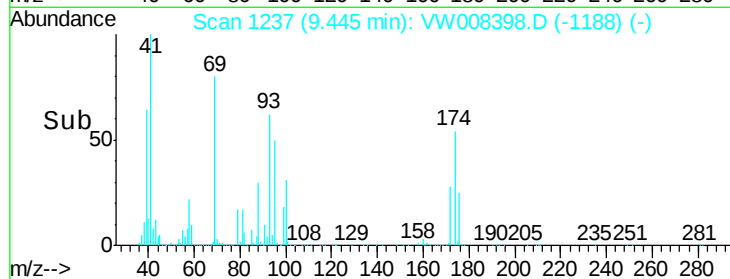
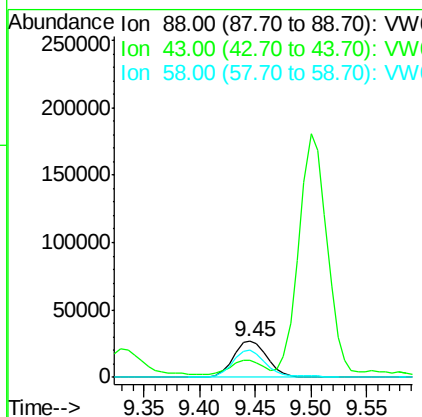
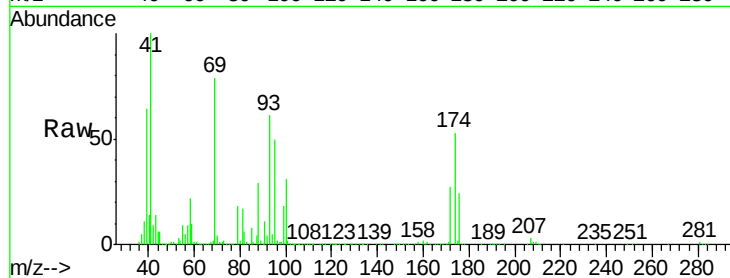
#49
1,4-Dioxane
Concen: 1038.841 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.1	40.7
58	70.5	57.9	86.9

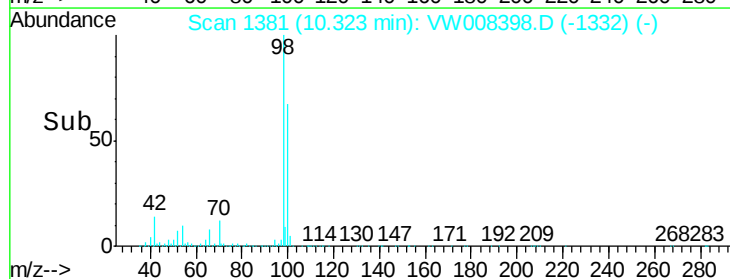
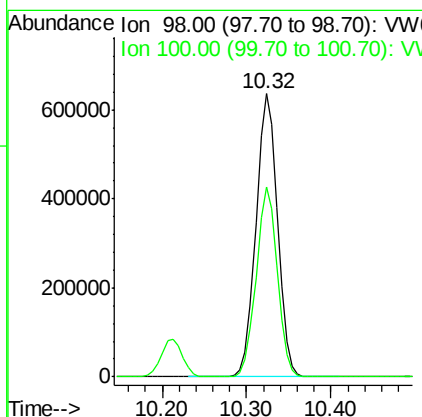
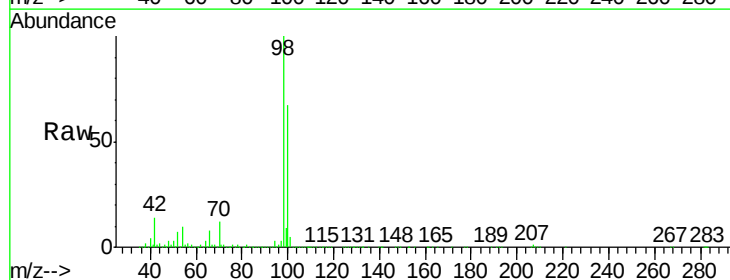
Manual Integrations
APPROVED

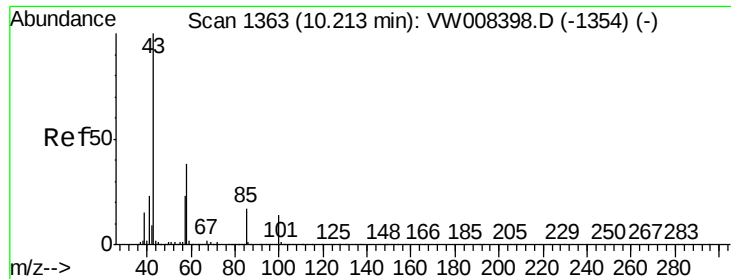
sam
1/25/2019 1:43:52 PM



#50
Toluene-d8
Concen: 47.795 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 289.837 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1061198

Ion Ratio Lower Upper

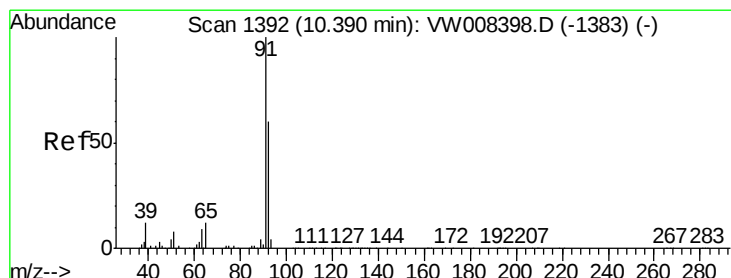
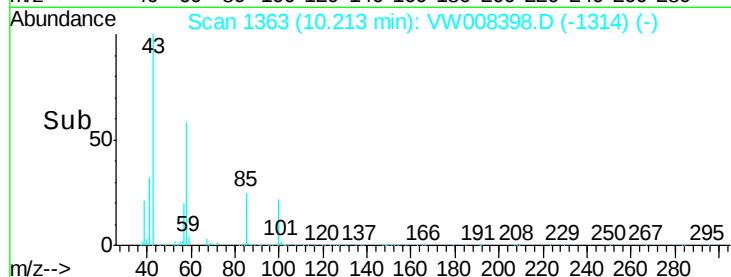
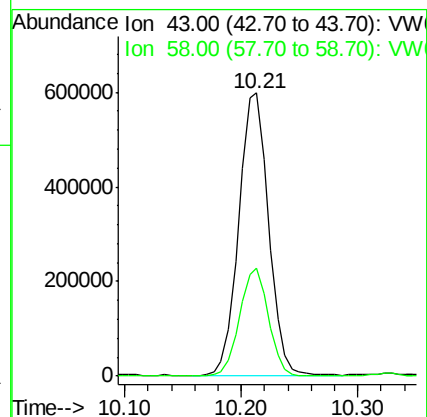
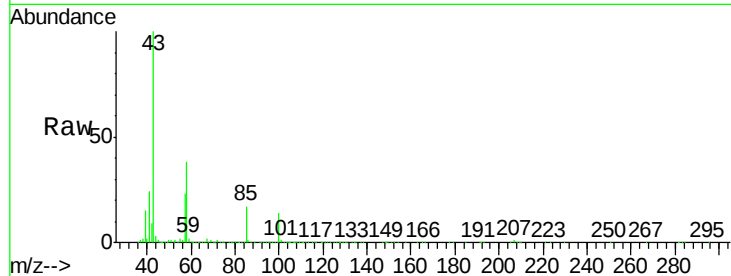
43 100

58 37.1 31.4 47.0

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#52

Toluene

Concen: 51.291 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008398.D

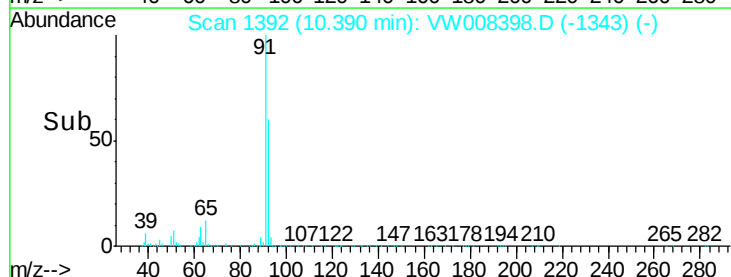
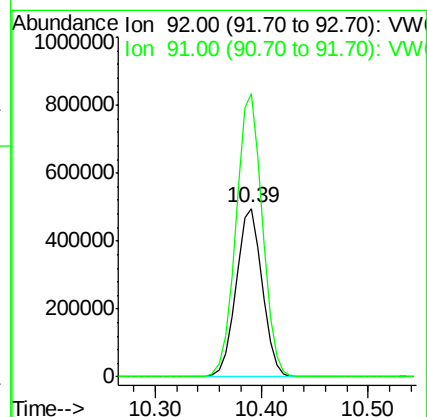
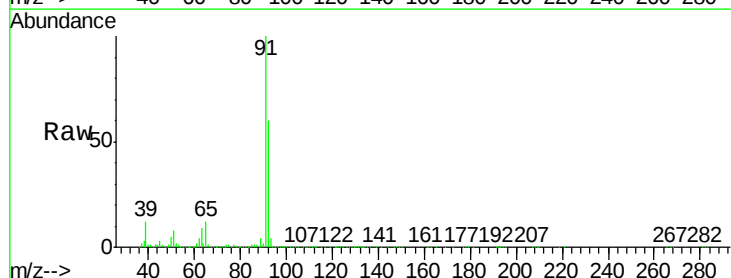
Acq: 24 Jan 2019 15:42

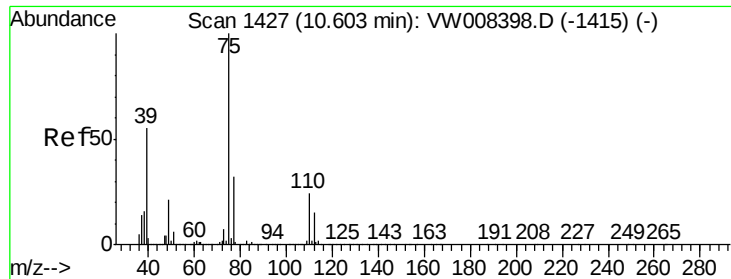
Tgt Ion: 92 Resp: 853519

Ion Ratio Lower Upper

92 100

91 169.4 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 56.408 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 472751

Ion Ratio Lower Upper

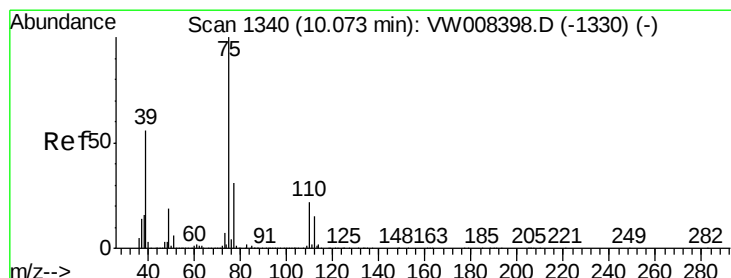
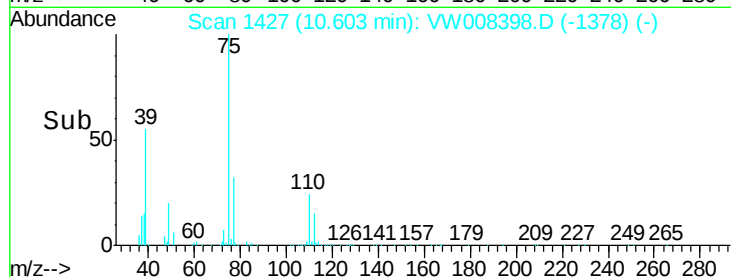
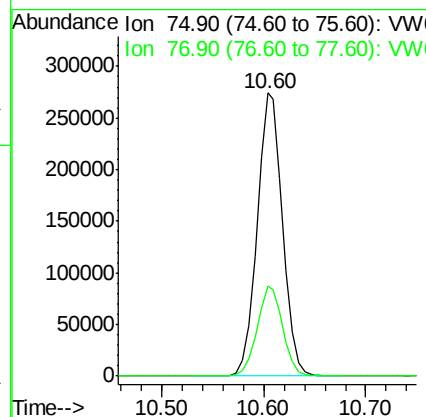
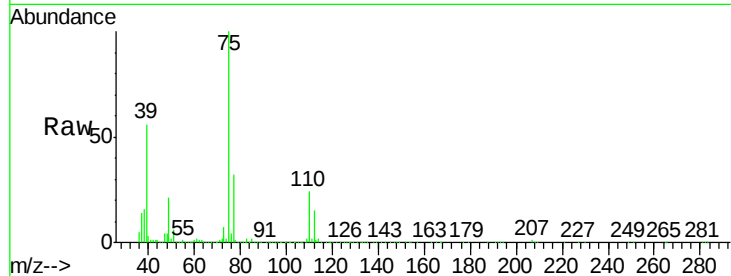
75 100

77 31.6 25.8 38.8

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#54

cis-1,3-Dichloropropene

Concen: 53.946 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

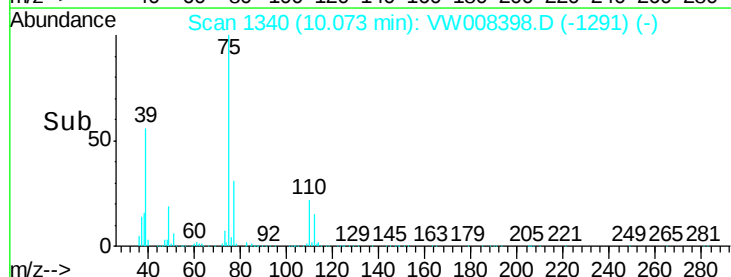
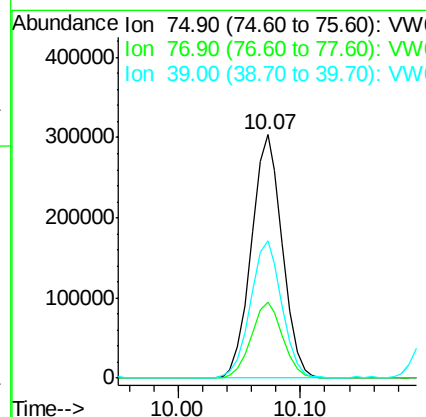
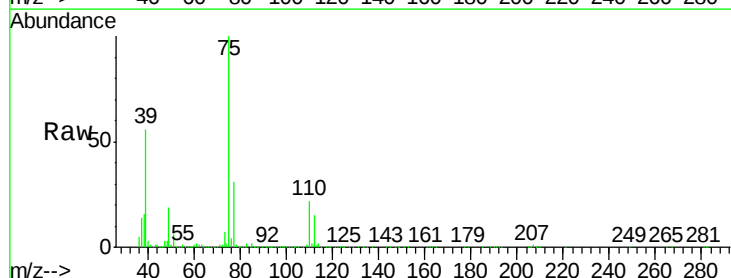
Tgt Ion: 75 Resp: 532969

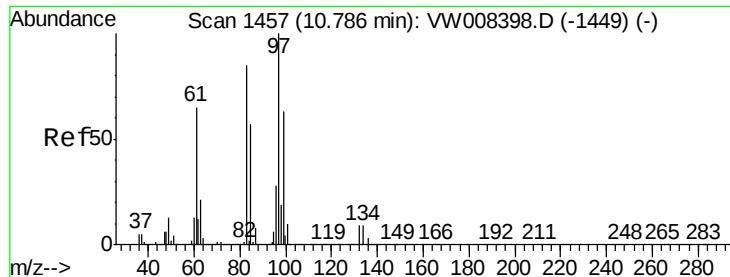
Ion Ratio Lower Upper

75 100

77 31.2 24.4 36.6

39 56.1 38.6 57.8





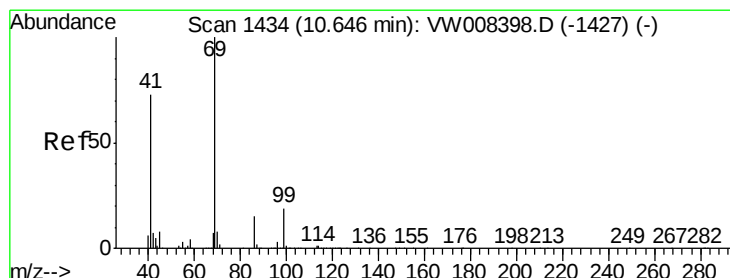
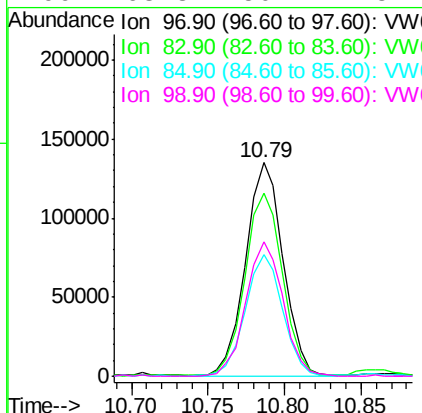
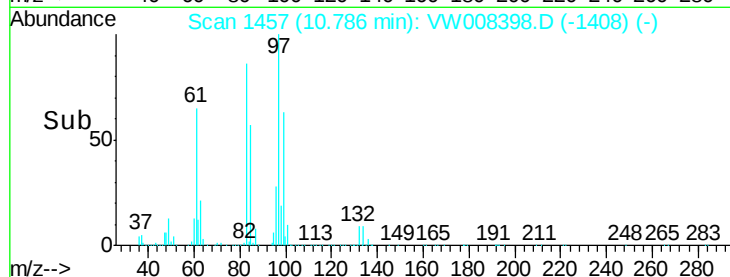
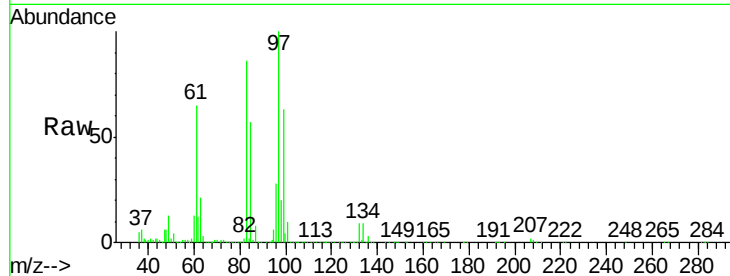
#55
 1,1,2-Trichloroethane
 Concen: 48.579 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		229374		
83	85.5	65.3	97.9		
85	56.6	42.6	64.0		
99	63.3	50.2	75.2		

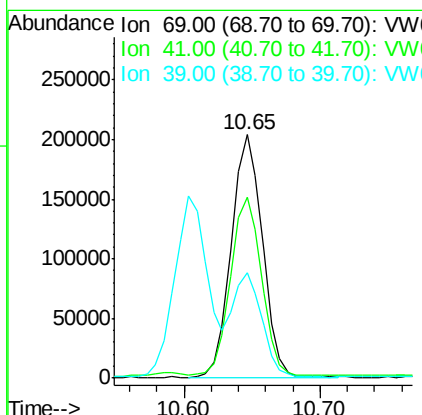
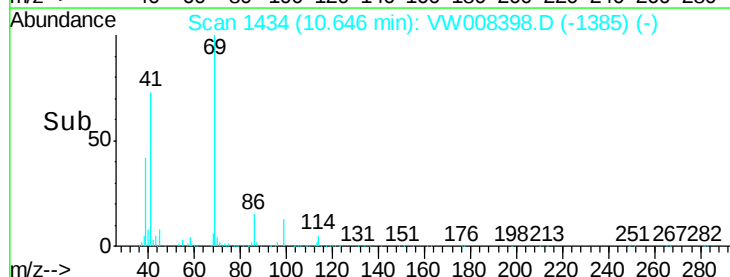
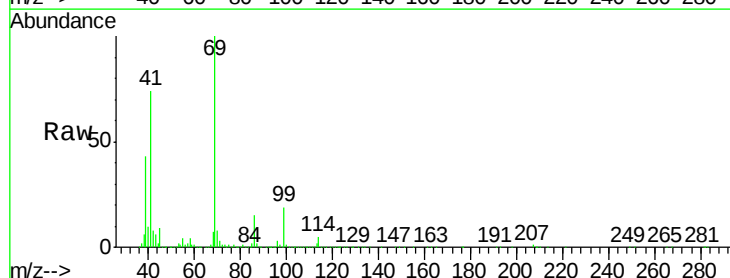
Manual Integrations
 APPROVED

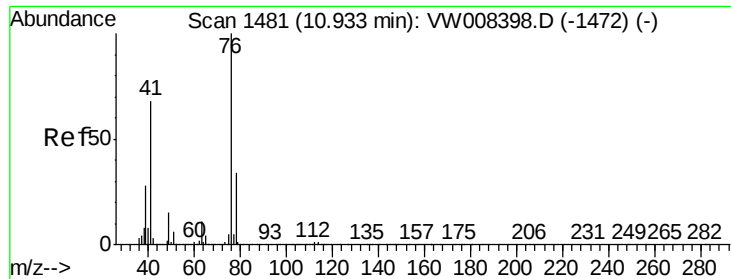
sam
 1/25/2019 1:43:52 PM



#56
 Ethyl methacrylate
 Concen: 58.267 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		323103		
41	73.4	52.9	79.3		
39	40.7	28.4	42.6		





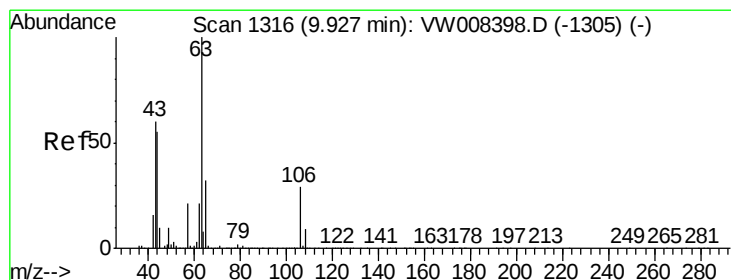
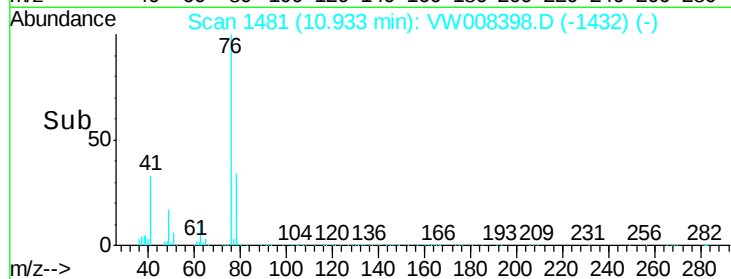
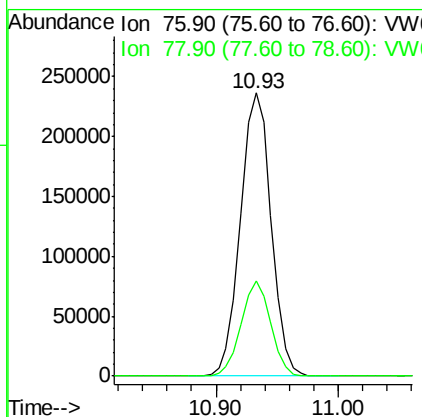
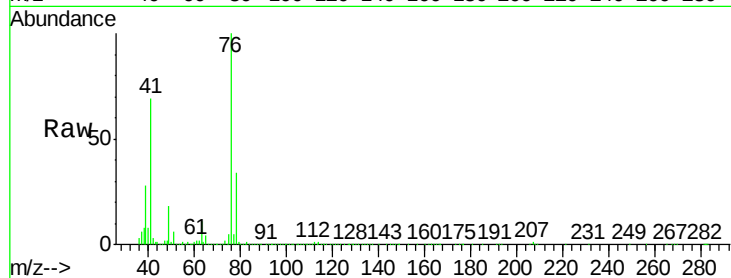
#57
 1,3-Dichloropropane
 Concen: 50.234 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 411835
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.1 39.1

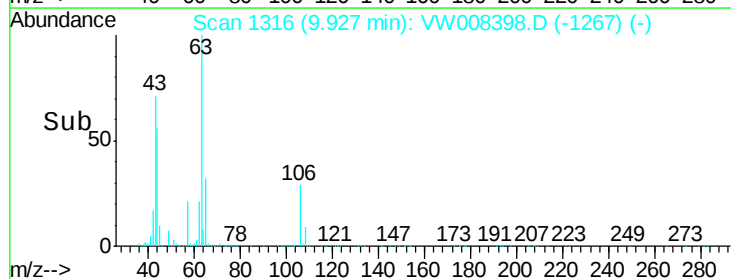
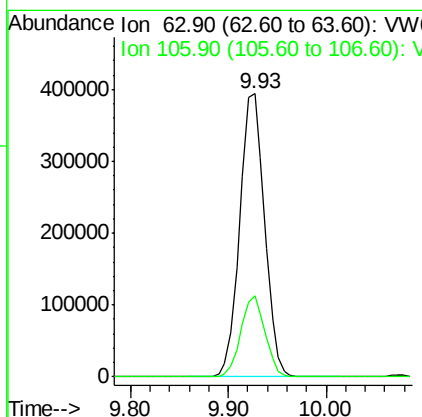
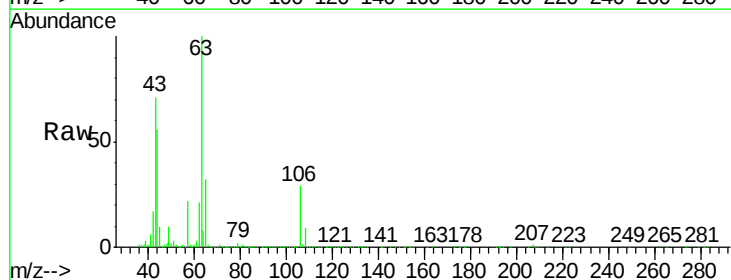
Manual Integrations
 APPROVED

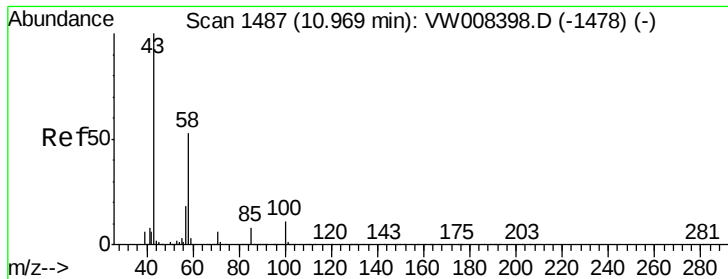
sam
 1/25/2019 1:43:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.928 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion: 63 Resp: 695243
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.9 34.3





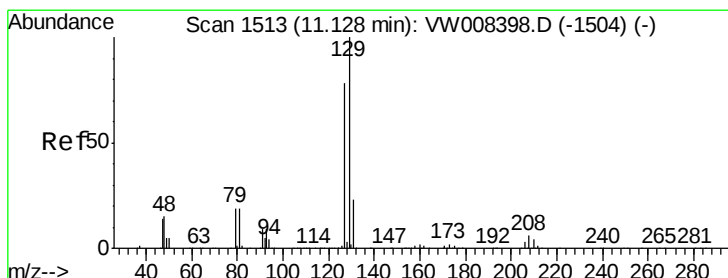
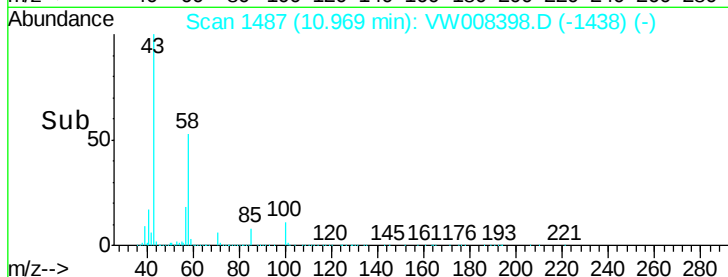
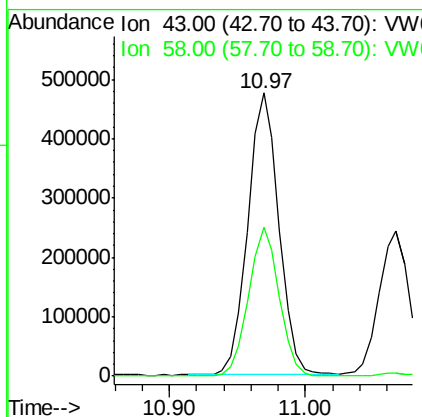
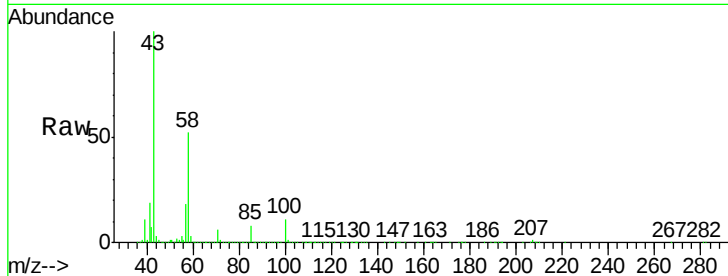
#59
2-Hexanone
Concen: 295.828 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 758910
Ion Ratio Lower Upper
43 100
58 51.8 27.5 82.5

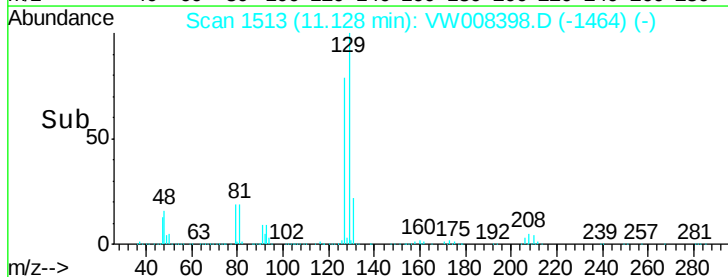
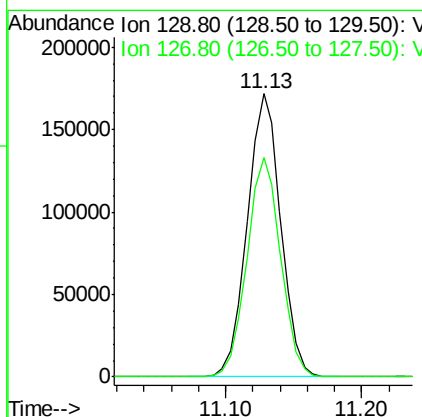
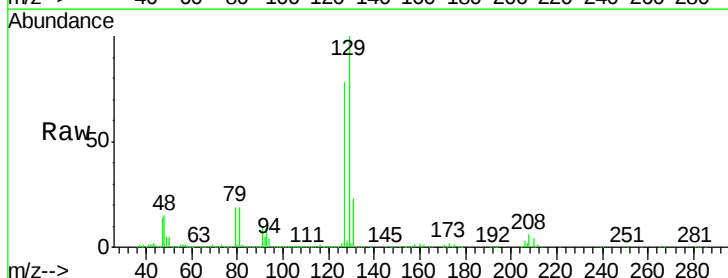
Manual Integrations
APPROVED

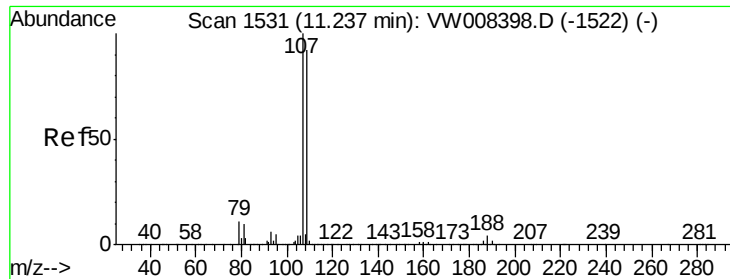
sam
1/25/2019 1:43:52 PM



#60
Dibromochloromethane
Concen: 52.497 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion: 129 Resp: 295828
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





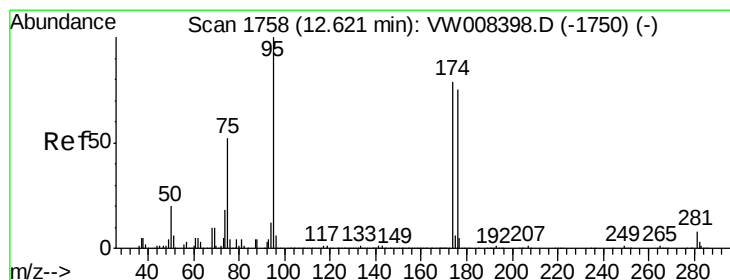
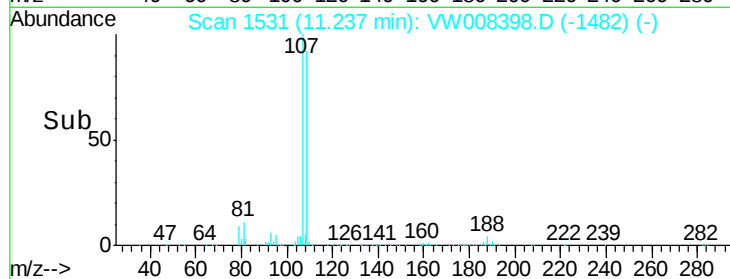
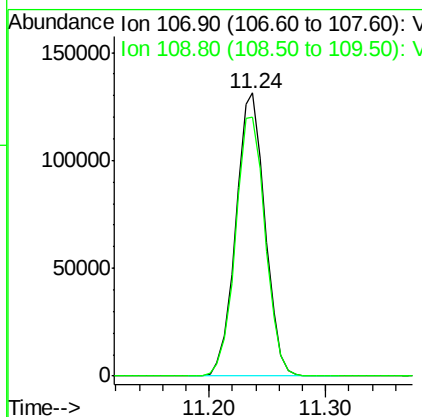
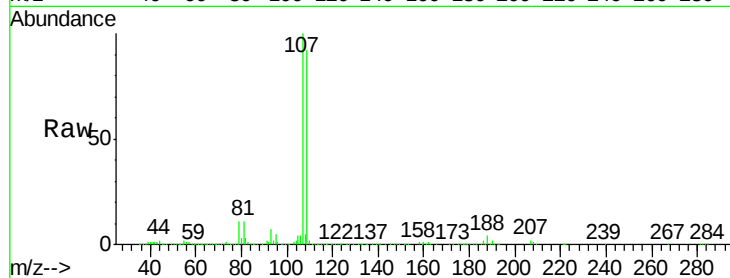
#61
 1,2-Dibromoethane
 Concen: 49.810 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.0	111.0

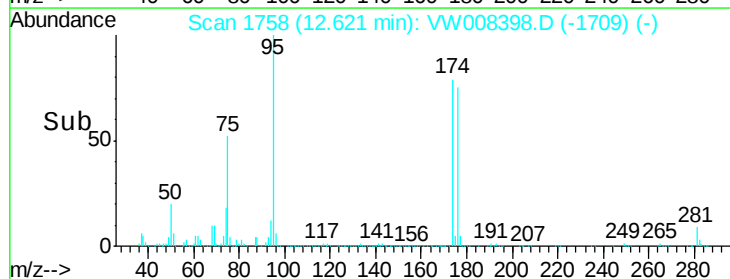
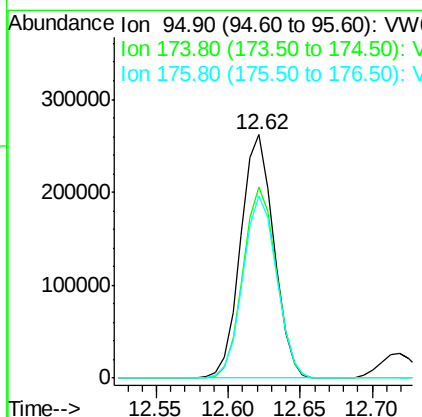
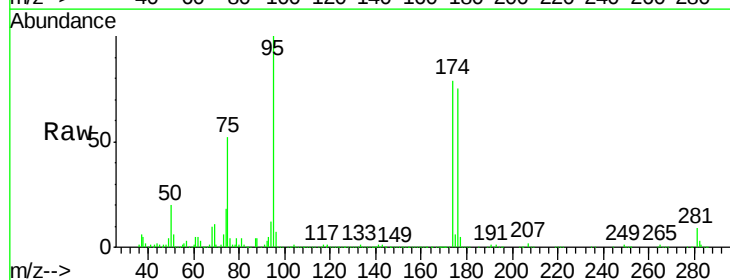
Manual Integrations
 APPROVED

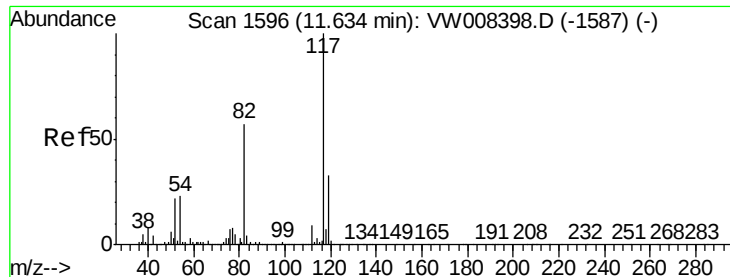
sam
 1/25/2019 1:43:52 PM



#62
 4-Bromofluorobenzene
 Concen: 50.310 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	166.0
176	75.9	0.0	160.0





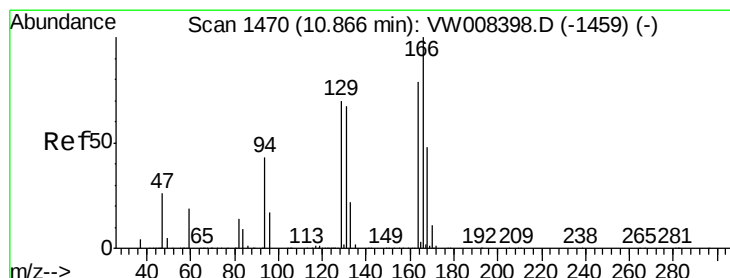
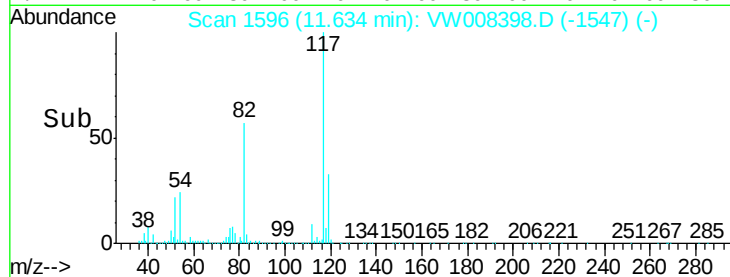
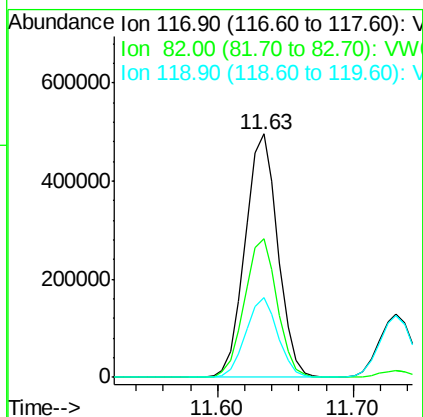
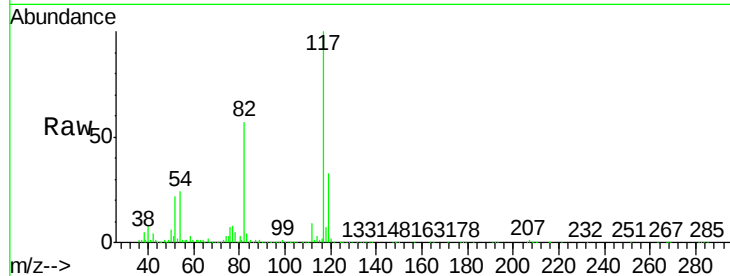
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.3	66.5
119	32.8	26.3	39.5

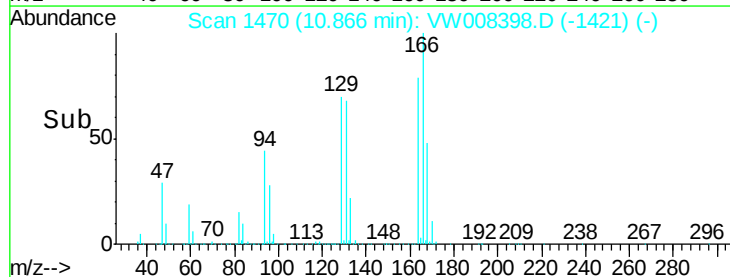
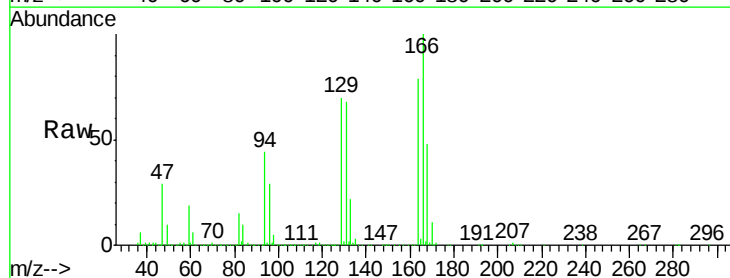
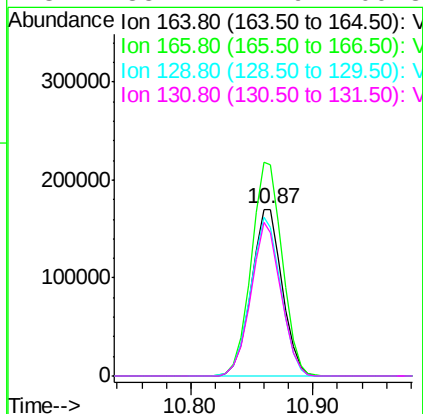
Manual Integrations
APPROVED

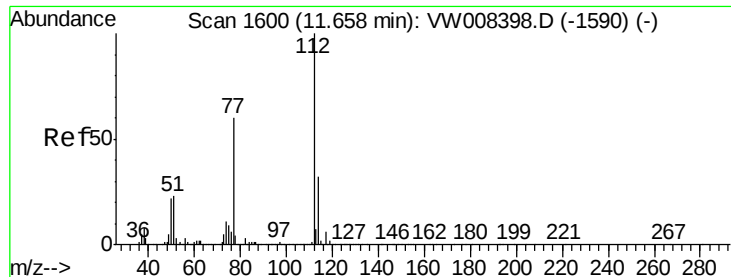
sam
1/25/2019 1:43:52 PM



#64
Tetrachloroethene
Concen: 51.335 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	103.4	155.2
129	88.8	75.0	112.6
131	85.4	72.9	109.3





#65

Chlorobenzene

Concen: 49.888 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:112 Resp: 905425

Ion Ratio Lower Upper

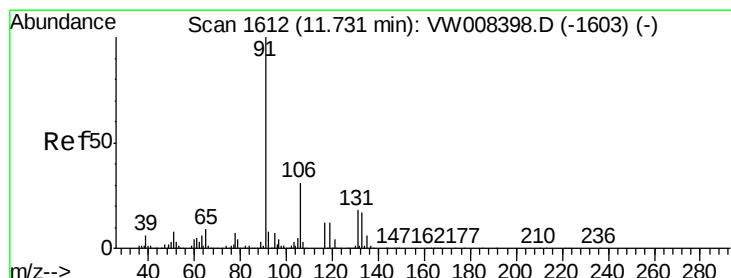
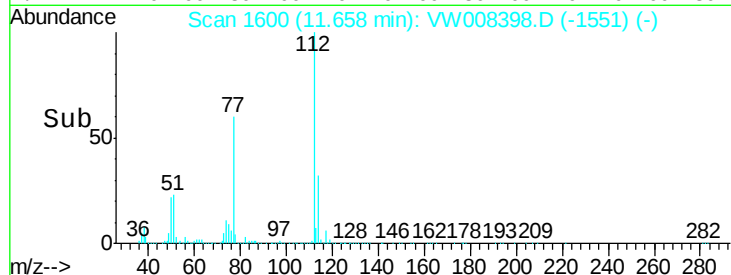
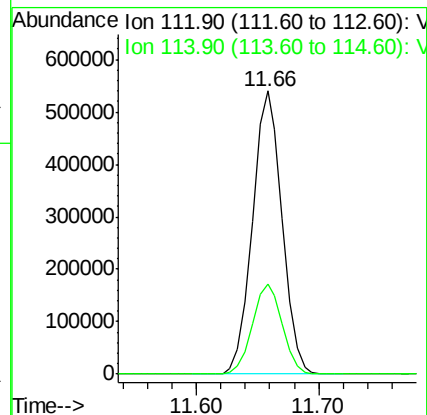
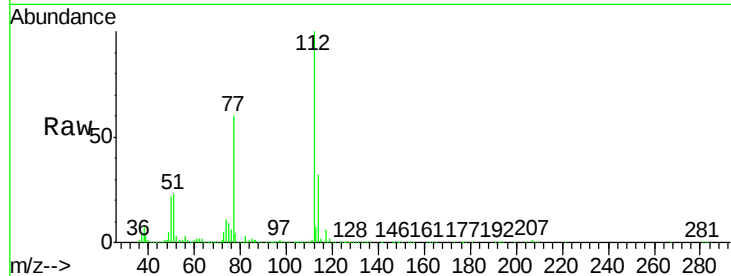
112 100

114 31.8 26.9 40.3

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 52.351 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

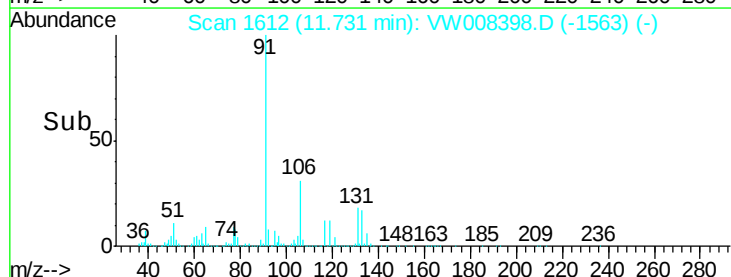
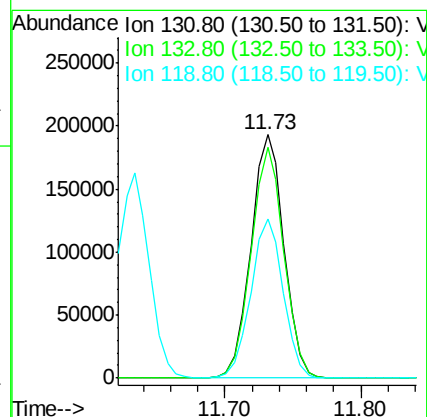
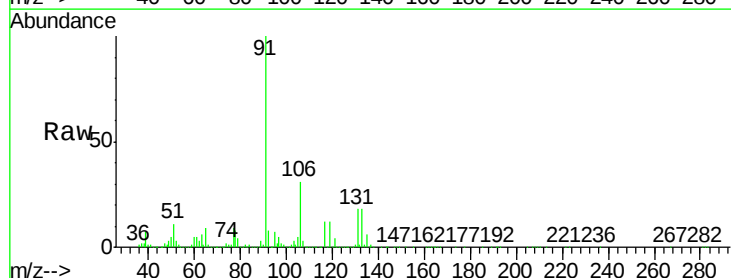
Tgt Ion:131 Resp: 327008

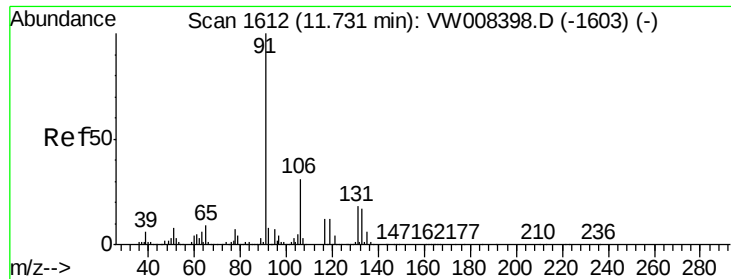
Ion Ratio Lower Upper

131 100

133 94.1 48.2 144.6

119 64.2 31.6 94.7





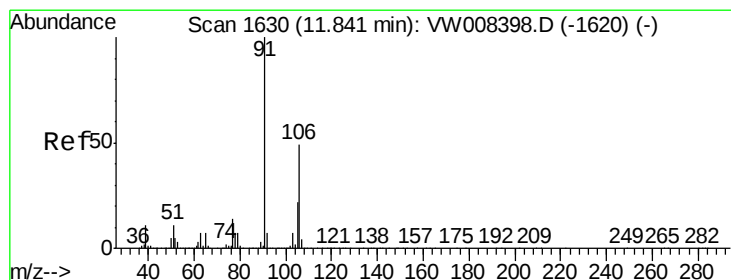
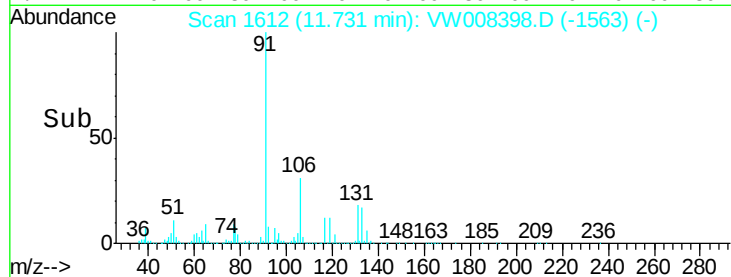
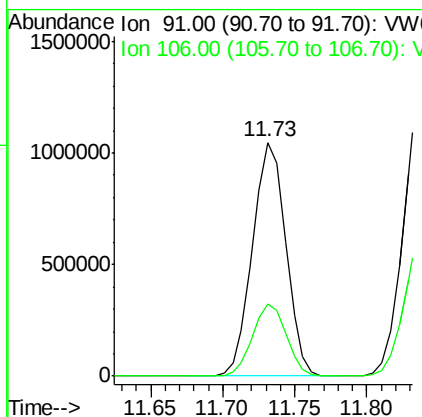
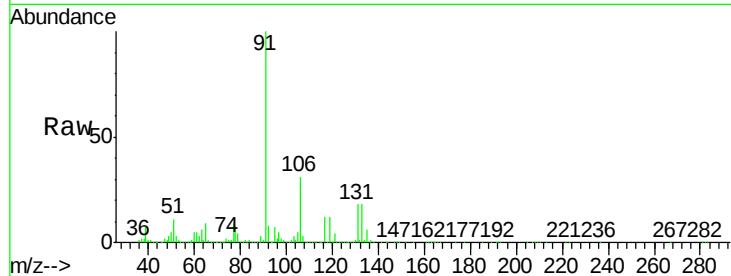
#67
Ethyl Benzene
Concen: 53.117 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1673854
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.2

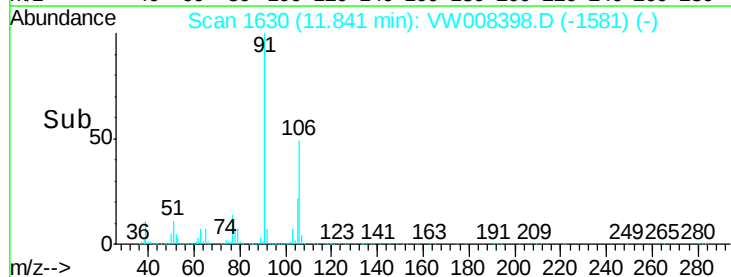
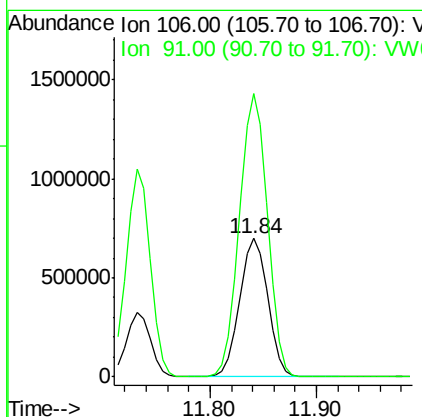
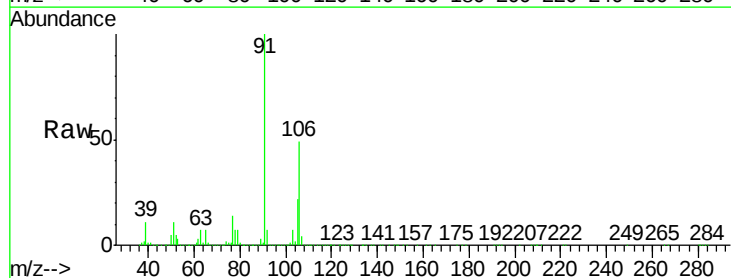
Manual Integrations
APPROVED

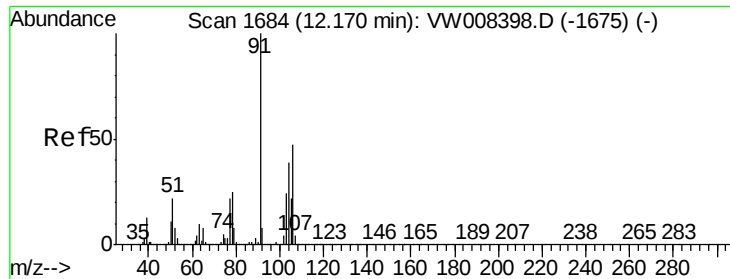
sam
1/25/2019 1:43:52 PM



#68
m/p-Xylenes
Concen: 106.389 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion: 106 Resp: 1301298
Ion Ratio Lower Upper
106 100
91 203.6 158.4 237.6





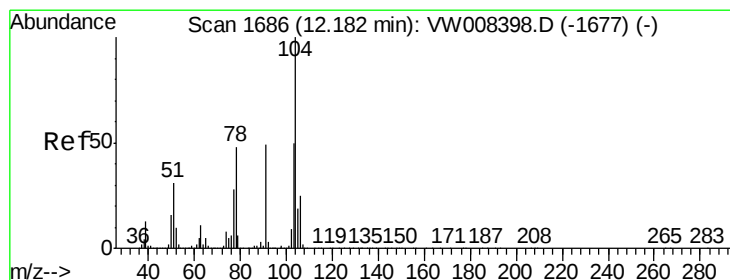
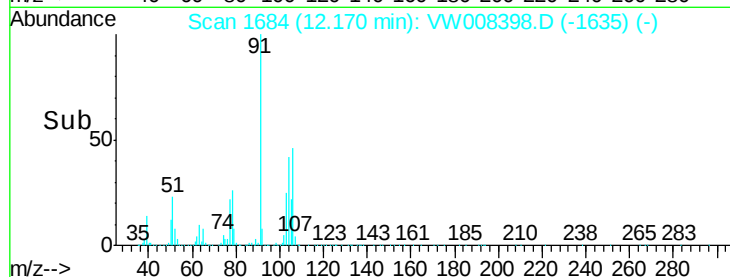
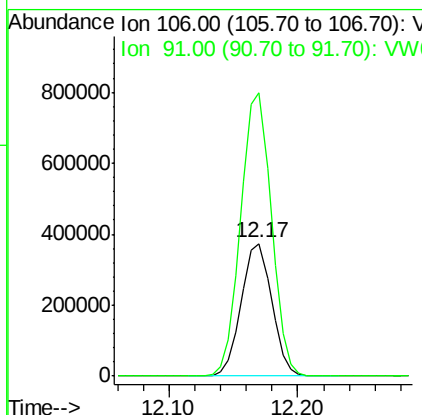
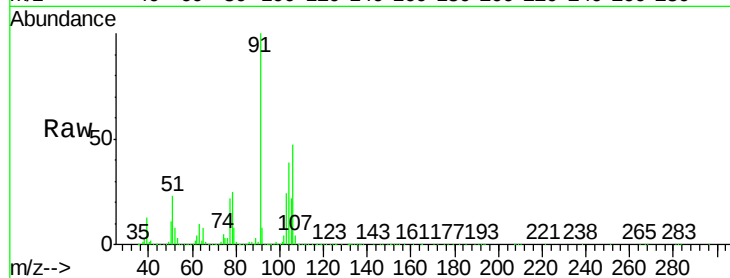
#69
o-Xylene
Concen: 53.502 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.9	104.1	312.3

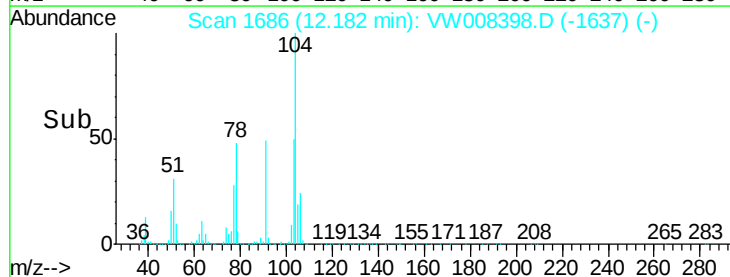
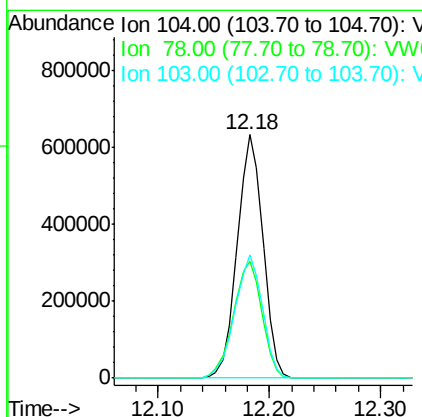
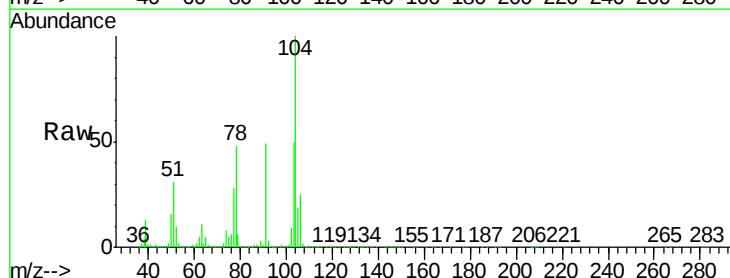
Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#70
Styrene
Concen: 55.199 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	39.8	59.6
103	54.2	44.0	66.0





#71

Bromoform

Concen: 59.158 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

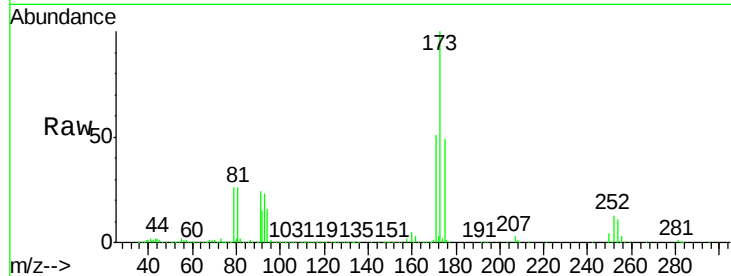
ClientSampled :

VSTDICCC050

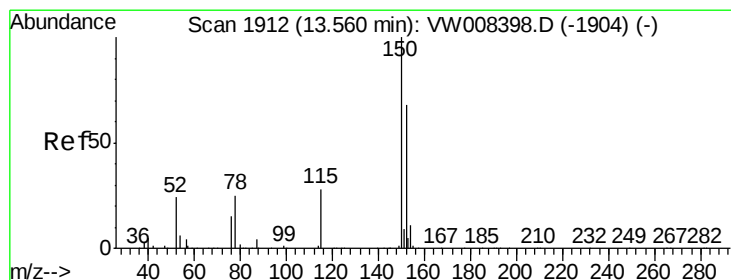
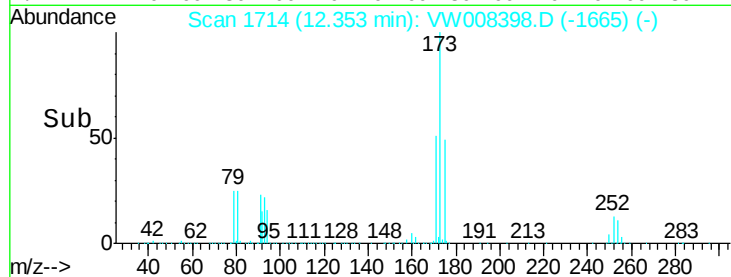
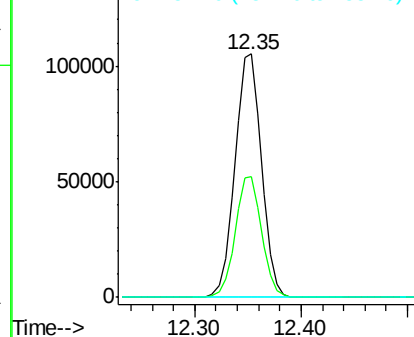
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	23.6	70.8
254	0.2	0.2	0.2

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

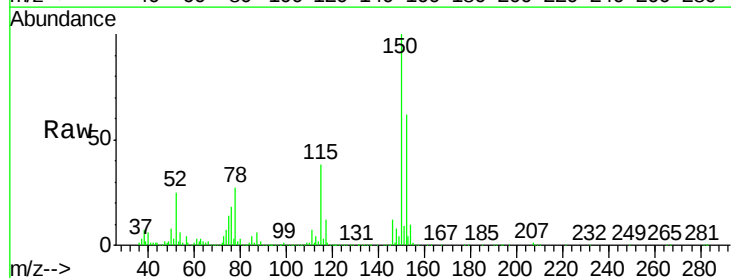
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

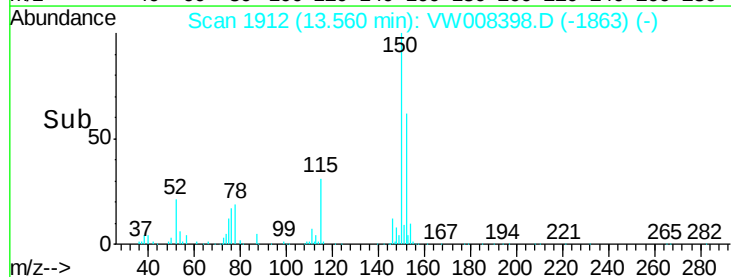
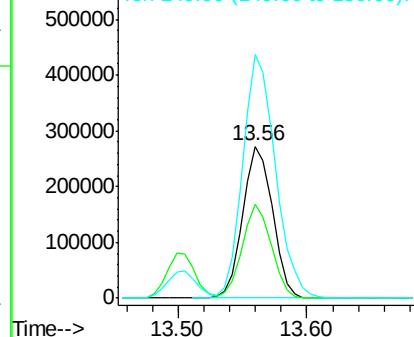
Lab File: VW008398.D

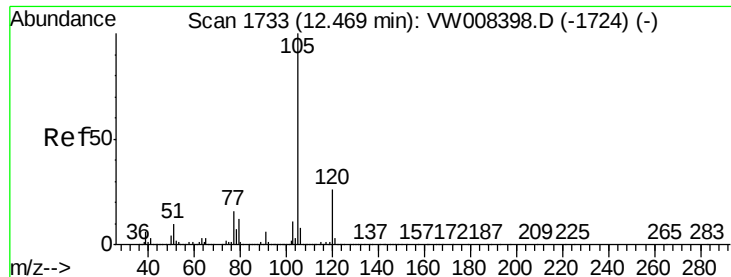
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	28.8	86.4
150	175.7	0.0	351.4



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





#73

Isopropylbenzene

Concen: 54.135 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1712108

Ion Ratio Lower Upper

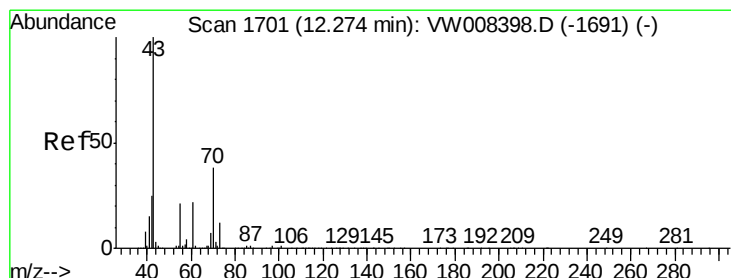
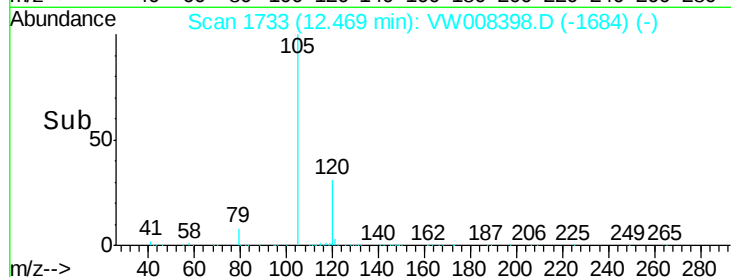
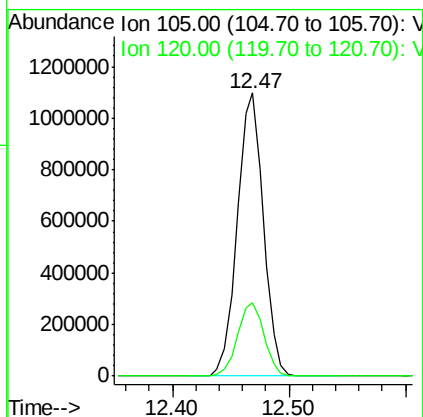
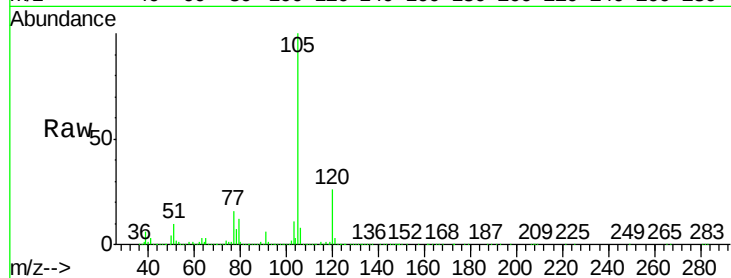
105 100

120 26.5 13.6 40.8

Manual Integrations
APPROVED

sam

1/25/2019 1:43:52 PM



#74

N-ethyl acetate

Concen: 65.241 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion: 43 Resp: 442186

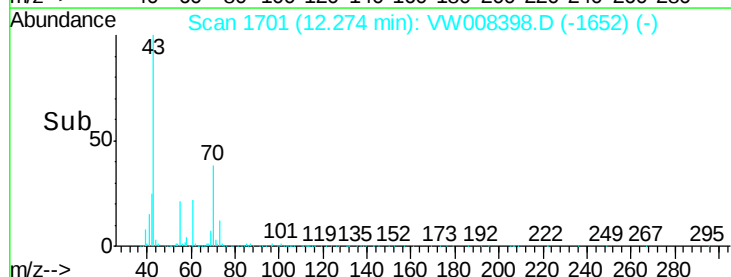
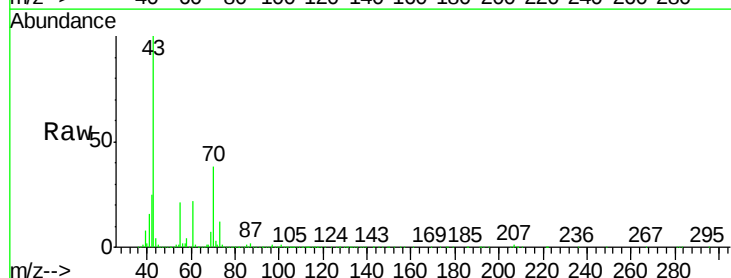
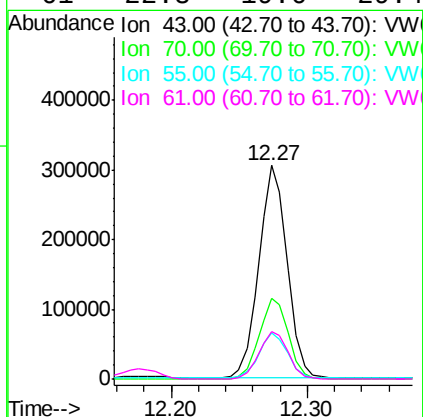
Ion Ratio Lower Upper

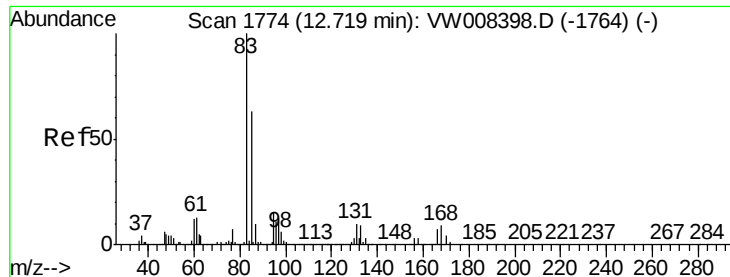
43 100

70 38.8 34.6 52.0

55 21.8 20.0 30.0

61 22.8 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.395 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

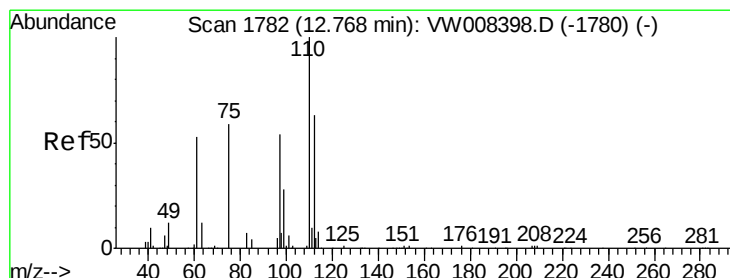
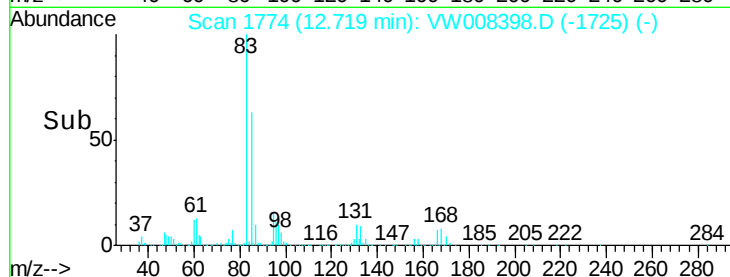
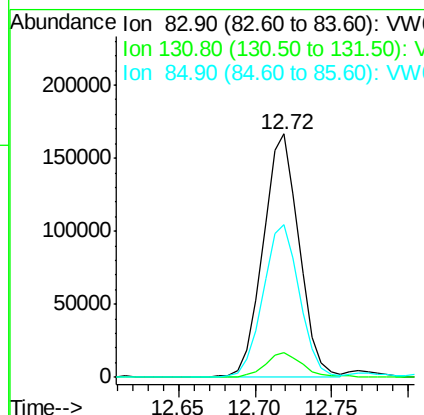
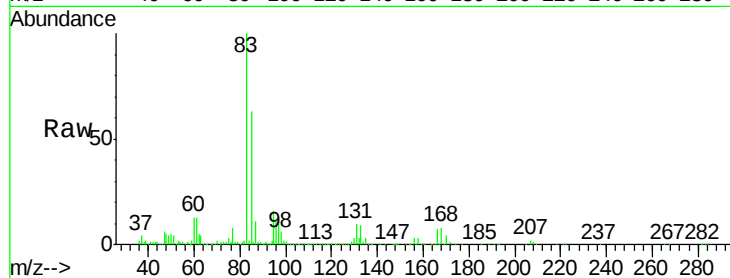
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	271098
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	63.7	31.6	94.7

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#76

1,2,3-Trichloropropane

Concen: 50.142 ug/l m

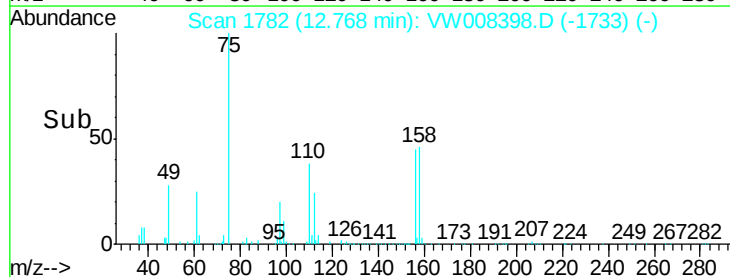
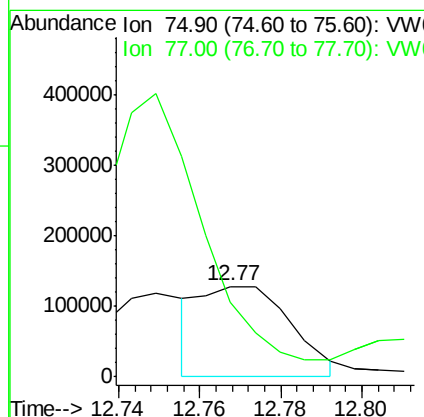
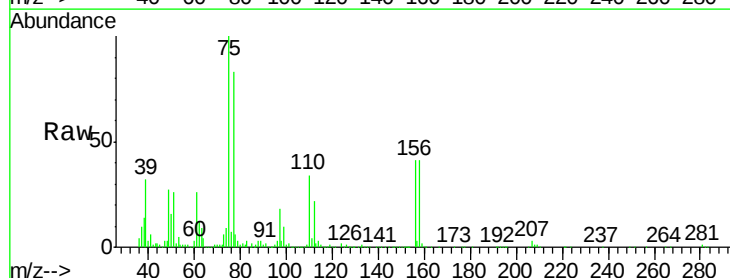
RT: 12.77 min Scan# 1782

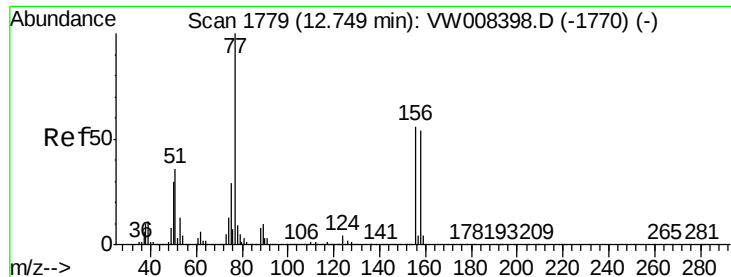
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	75	Resp:	198200
Ion Ratio	Lower	Upper	
75	100		
77	361.4	175.3	526.1





#77

Bromobenzene

Concen: 48.652 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Instrument :

MSVOA_W

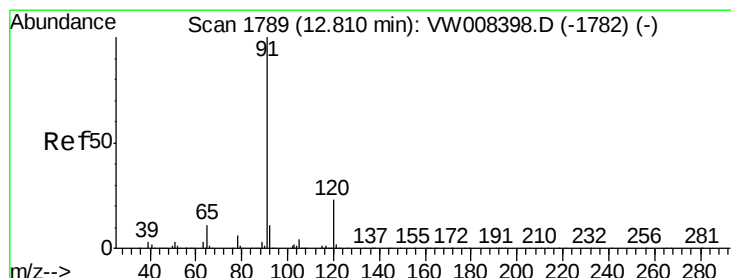
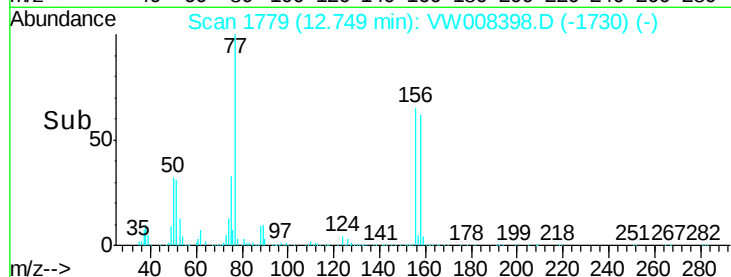
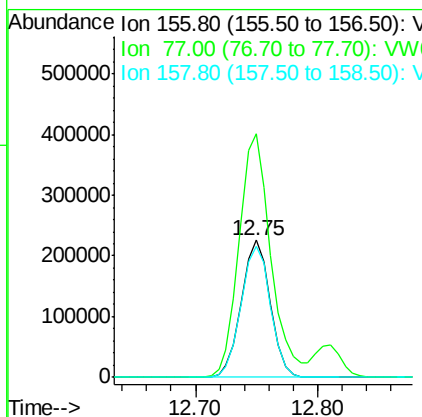
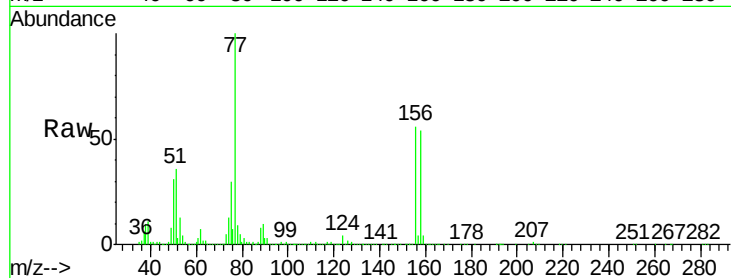
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	369593
Ion Ratio	Lower	Upper	
156	100		
77	193.8	88.3	264.9
158	97.6	47.6	142.8

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#78

n-propylbenzene

Concen: 54.341 ug/l

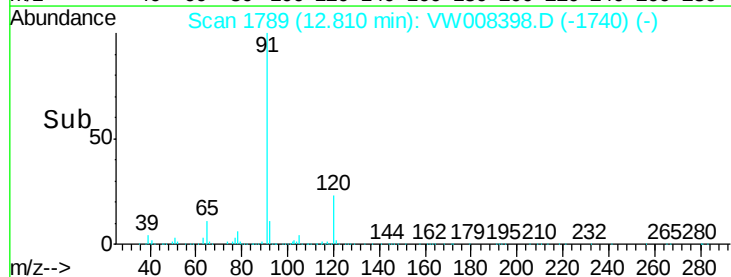
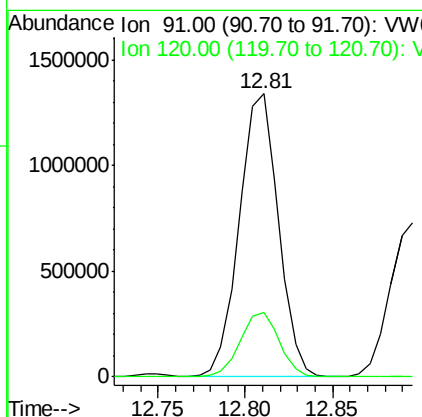
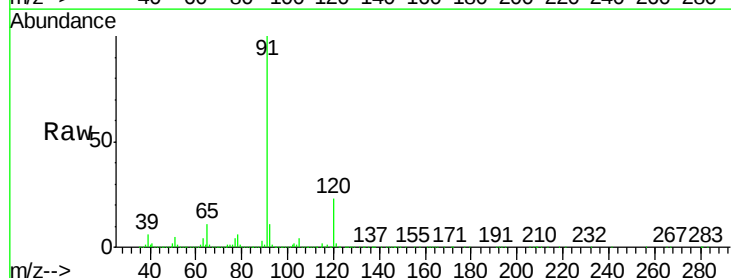
RT: 12.81 min Scan# 1789

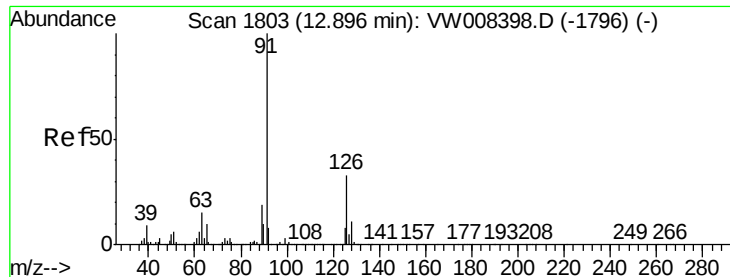
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion:	91	Resp:	2080174
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.9	35.7





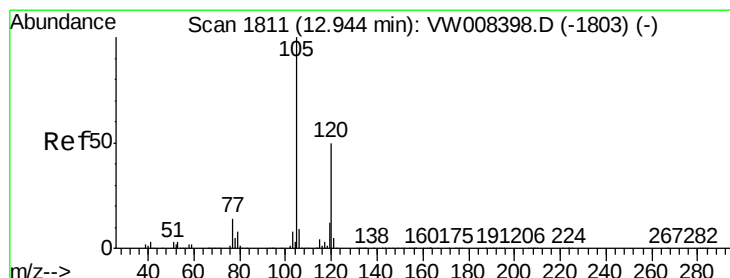
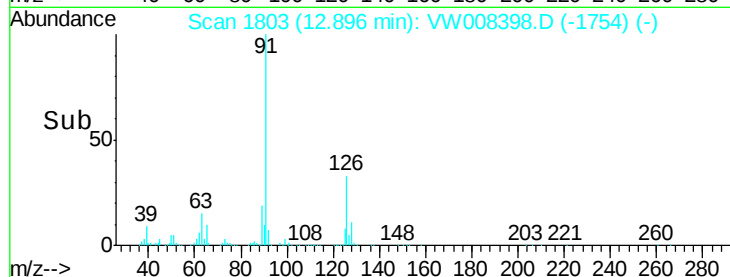
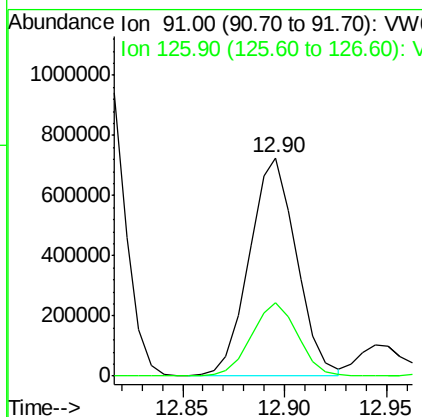
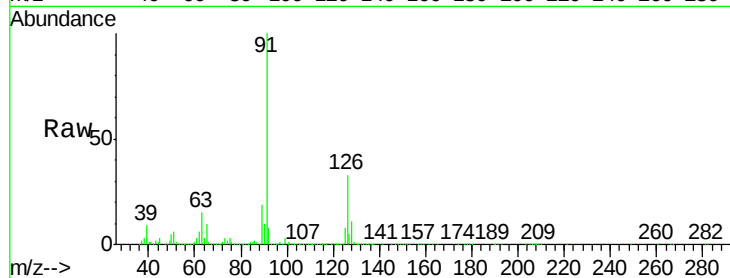
#79
2-Chlorotoluene
Concen: 53.196 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1163475
Ion Ratio Lower Upper
91 100
126 33.0 17.5 52.6

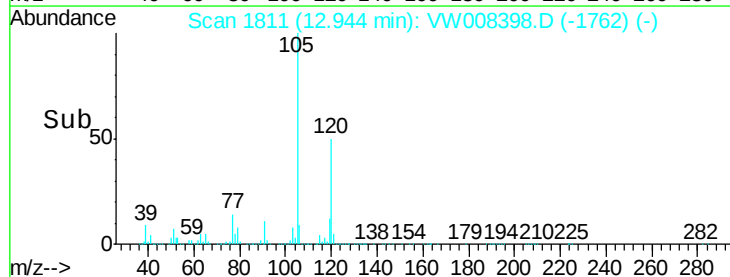
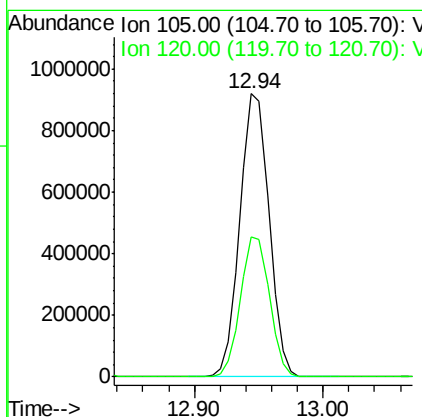
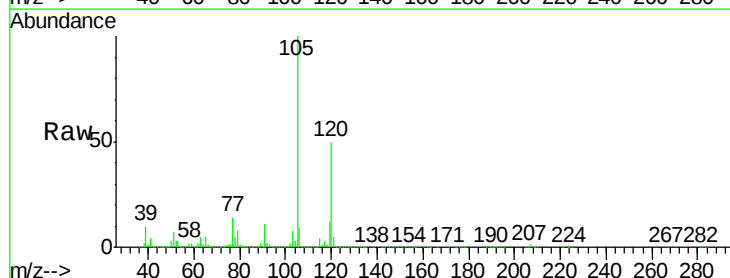
Manual Integrations
APPROVED

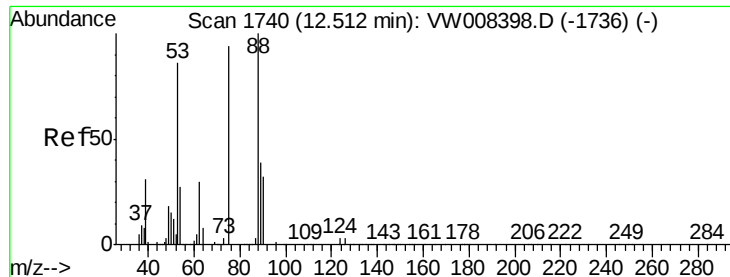
sam
1/25/2019 1:43:52 PM



#80
1,3,5-Trimethylbenzene
Concen: 54.666 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion: 105 Resp: 1442719
Ion Ratio Lower Upper
105 100
120 49.2 25.6 76.8





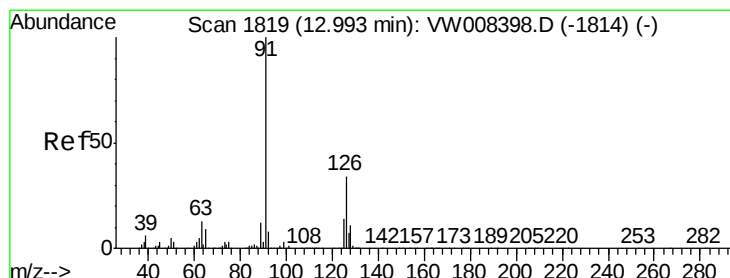
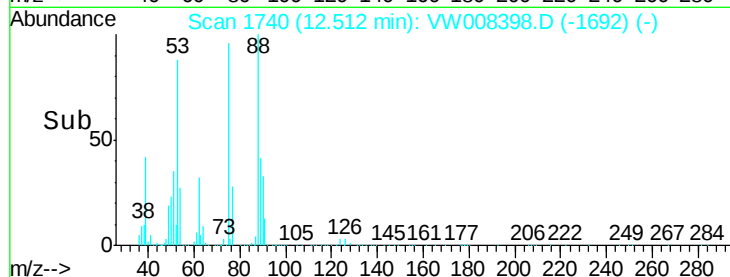
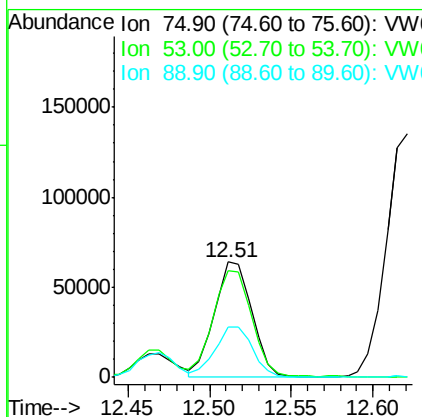
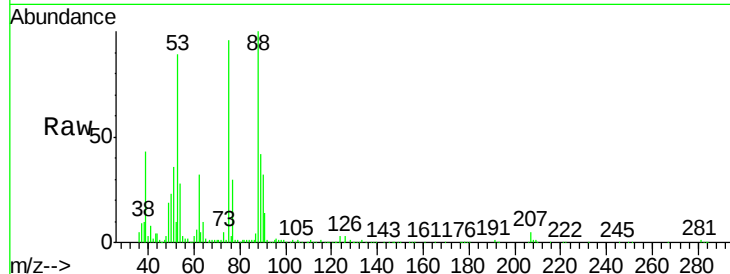
#81
trans-1,4-Dichloro-2-butene
Concen: 61.828 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	76.2	114.4
89	44.2	36.7	55.1

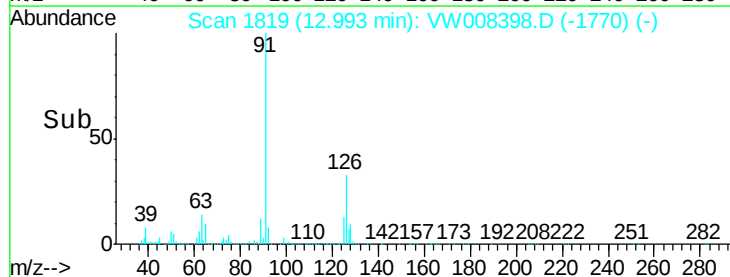
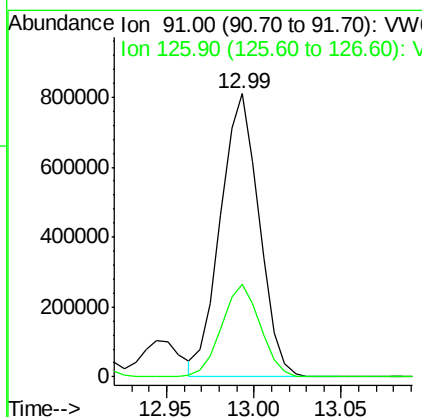
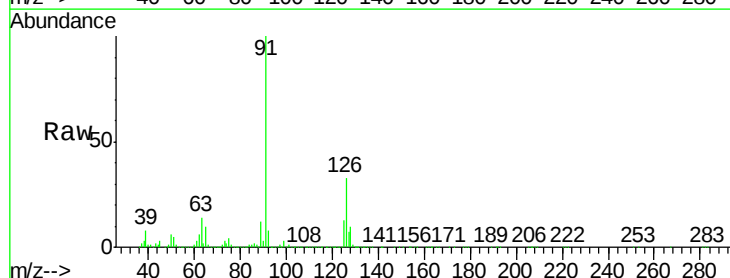
Manual Integrations
APPROVED

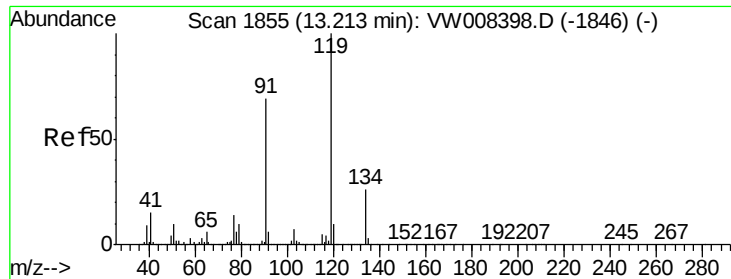
sam
1/25/2019 1:43:52 PM



#82
4-Chlorotoluene
Concen: 54.357 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.8	53.3





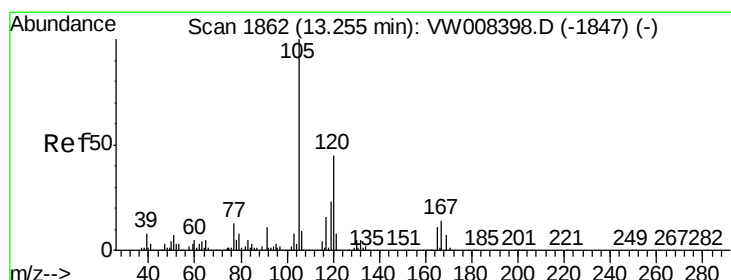
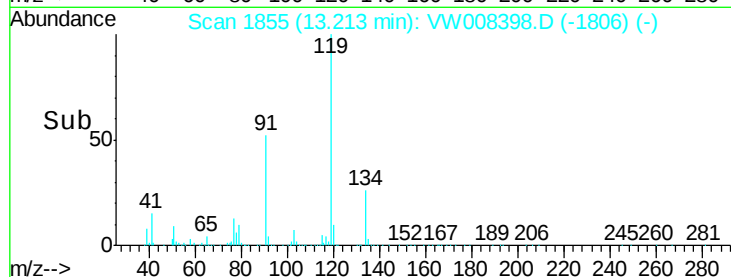
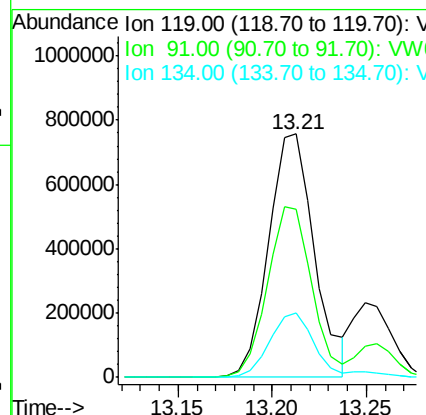
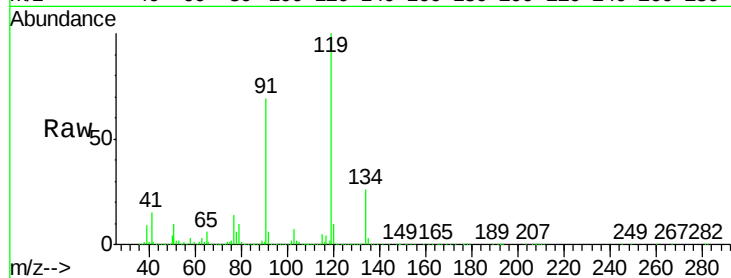
#83
tert-Butylbenzene
Concen: 54.990 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	32.4	97.0
134	26.9	13.9	41.7

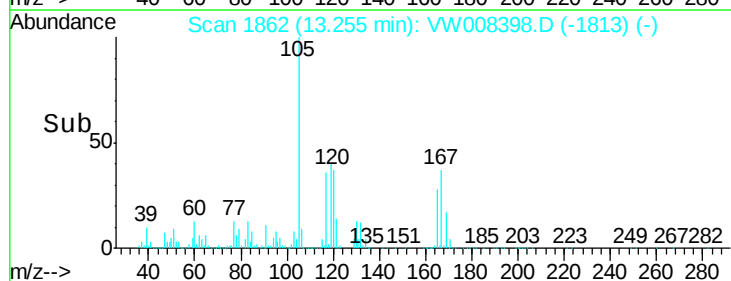
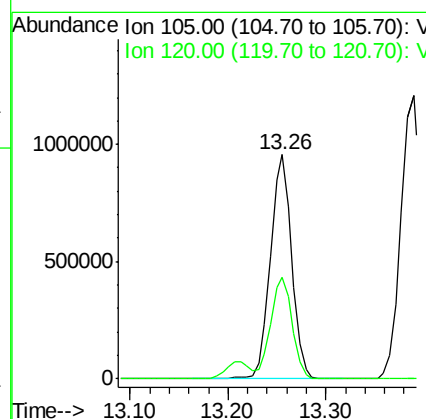
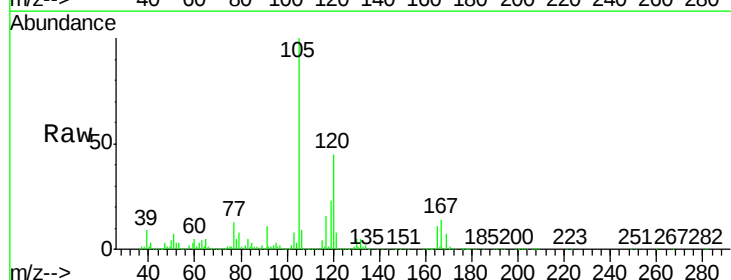
Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.305 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.5	70.6





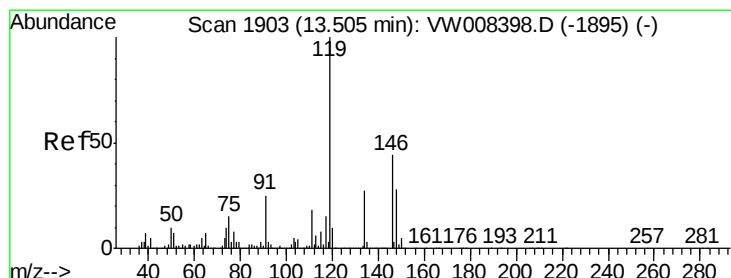
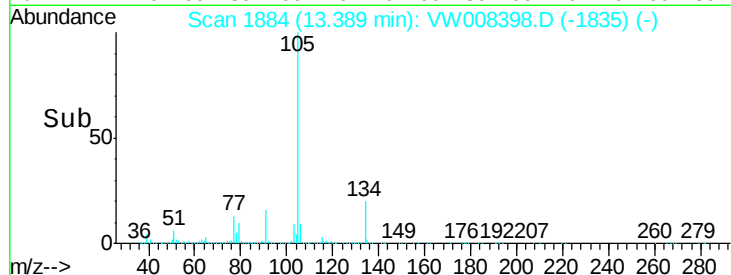
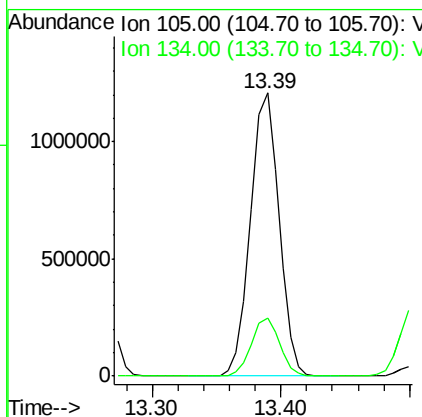
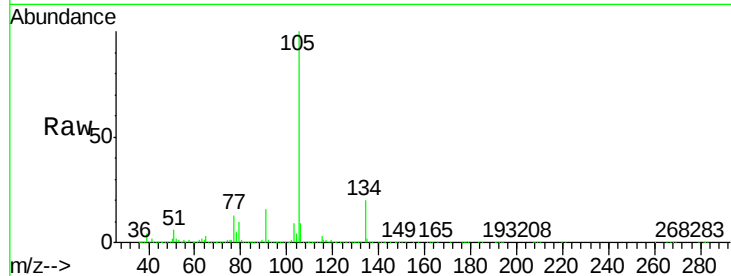
#85
 sec-Butylbenzene
 Concen: 55.147 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 1839198
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3

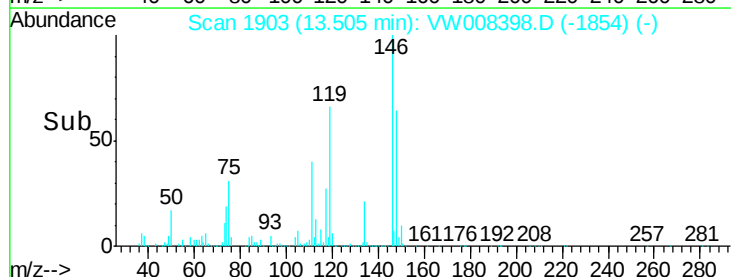
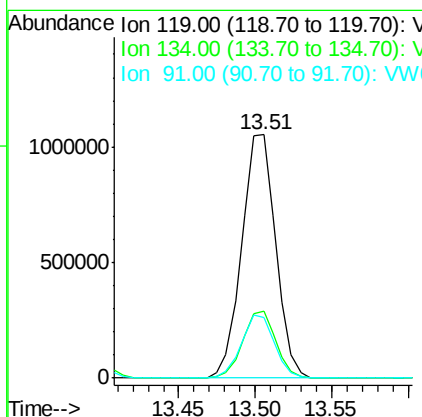
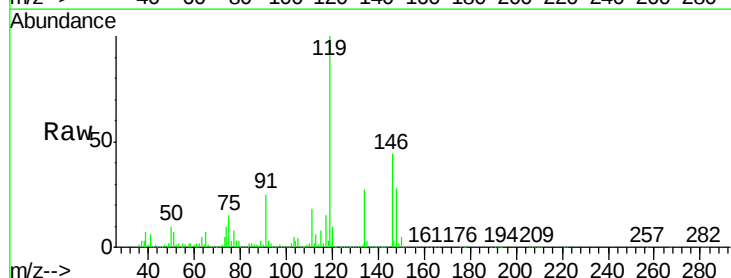
Manual Integrations
 APPROVED

sam
 1/25/2019 1:43:52 PM



#86
 p-Isopropyltoluene
 Concen: 55.499 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion:119 Resp: 1616628
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.7 41.0
 91 25.1 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 50.461 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008398.D

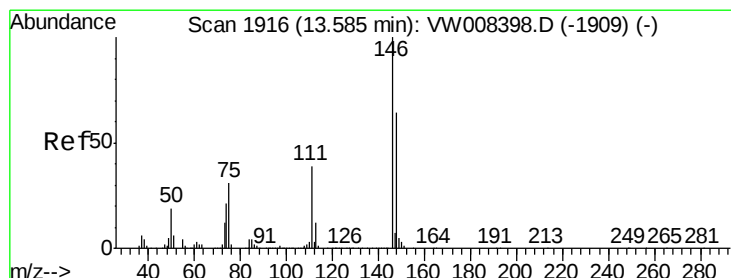
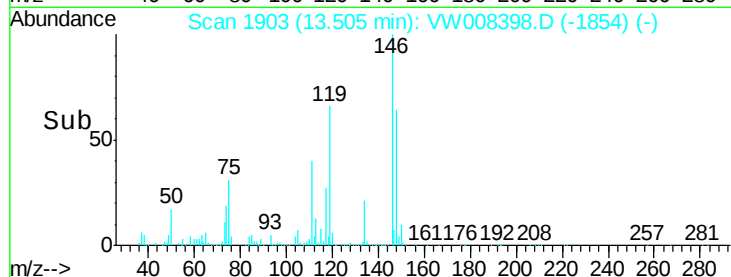
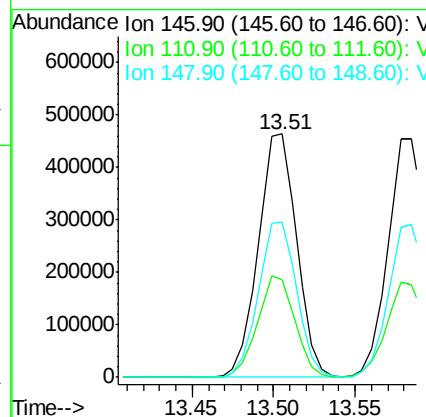
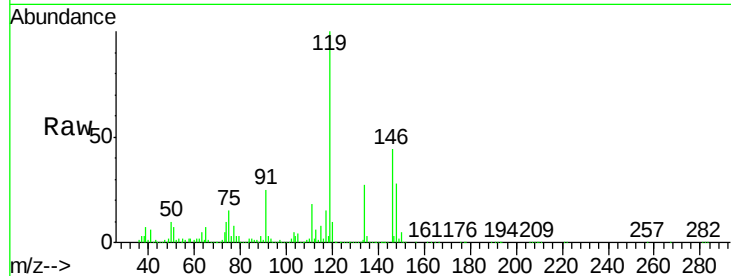
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.9	59.7
148	63.8	31.4	94.3

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#88

1,4-Dichlorobenzene

Concen: 49.785 ug/l

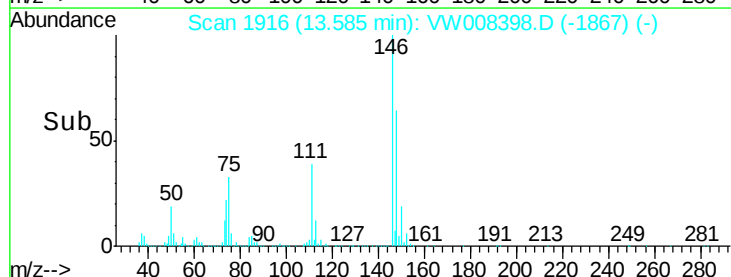
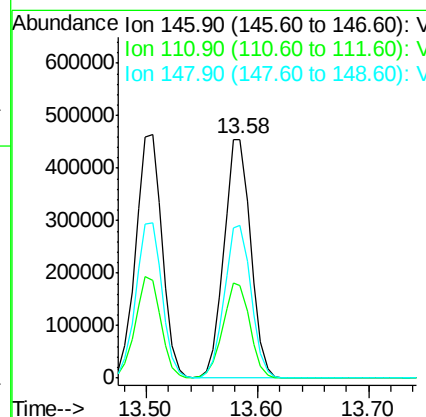
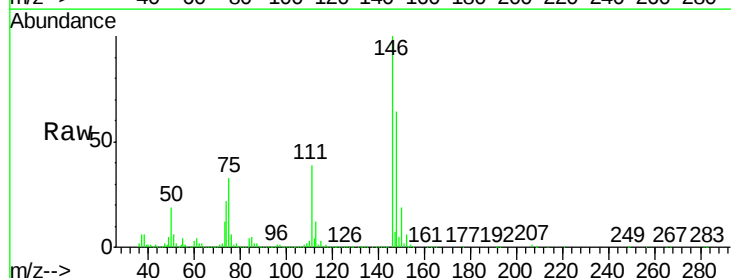
RT: 13.58 min Scan# 1916

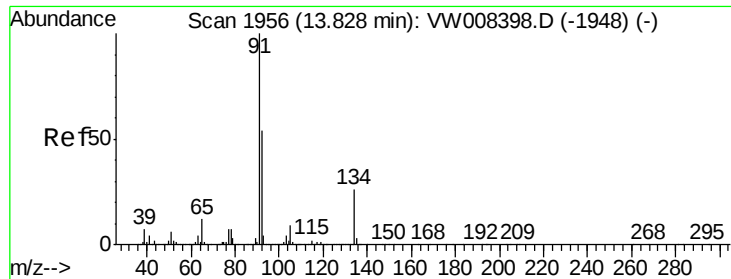
Delta R.T. -0.00 min

Lab File: VW008398.D

Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	18.9	56.5
148	64.1	31.6	94.8





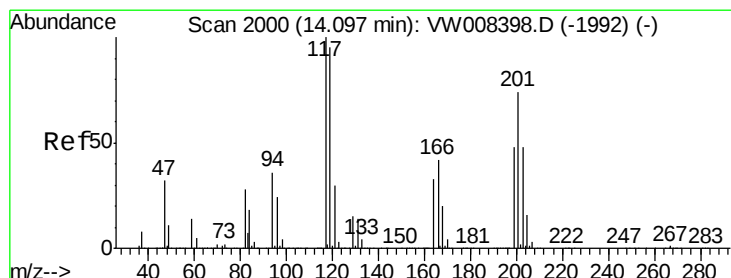
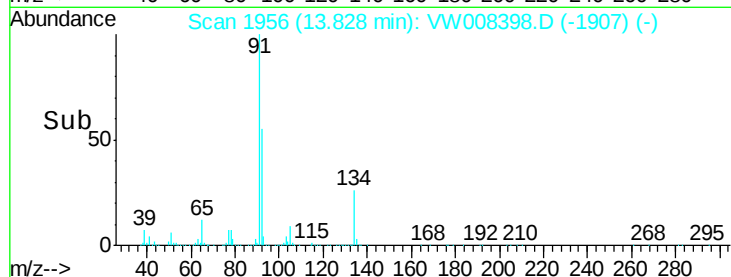
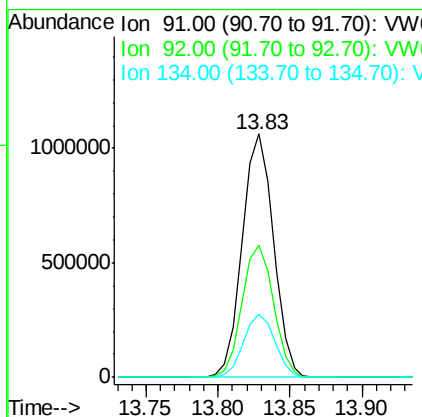
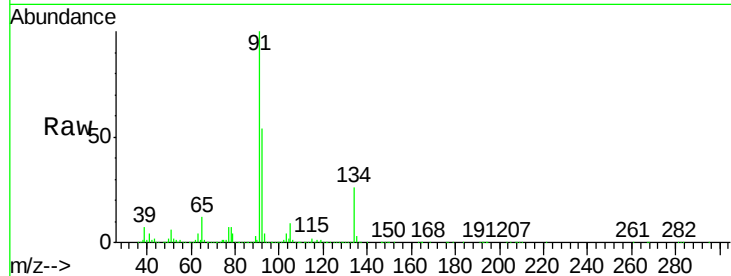
#89
n-Butylbenzene
Concen: 57.104 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.6
134	26.0	13.4	40.1

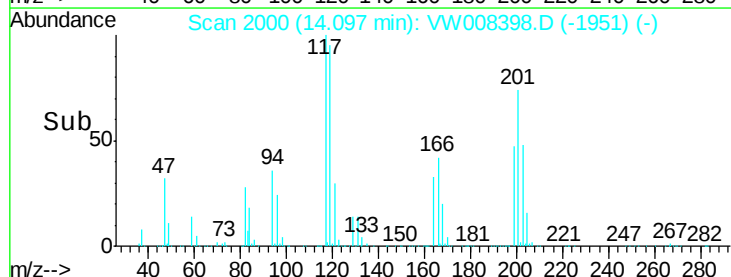
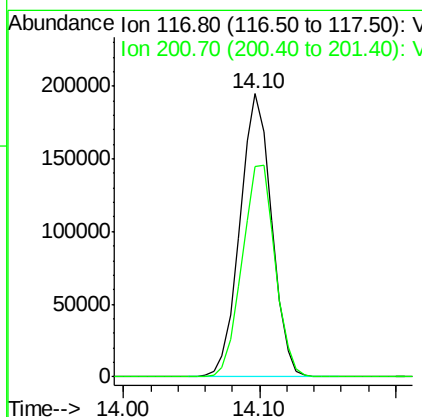
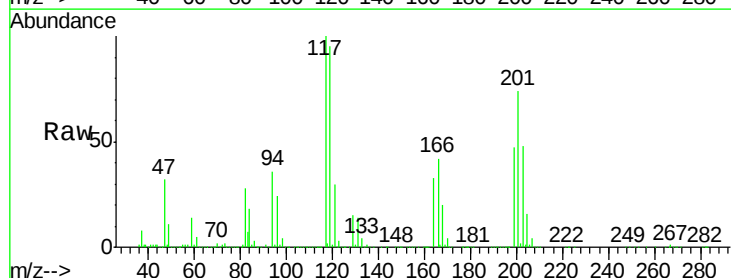
Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#90
Hexachloroethane
Concen: 58.761 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.3	117.9





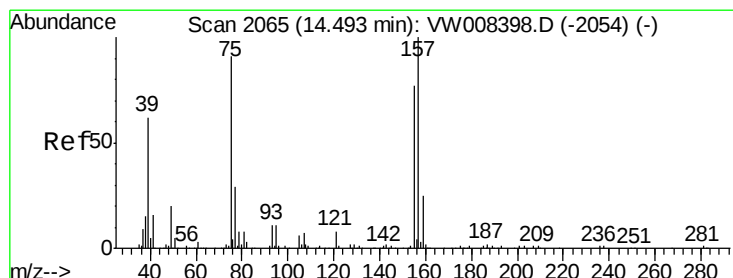
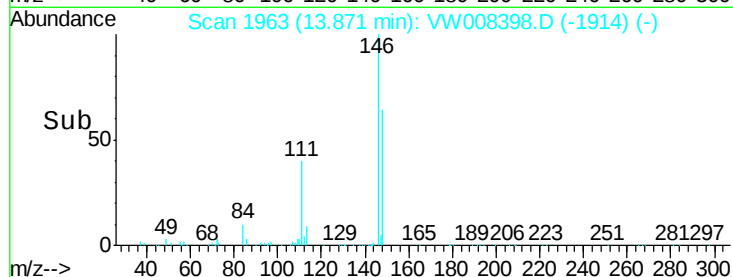
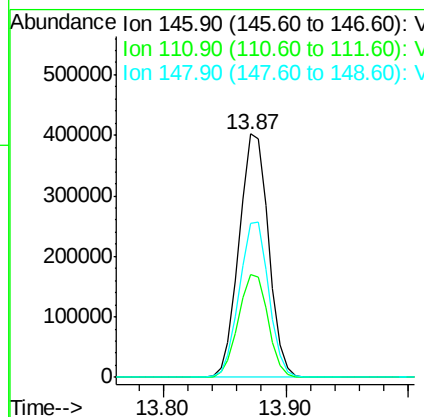
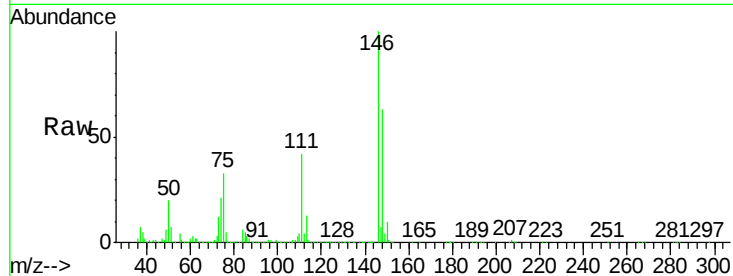
#91
 1,2-Dichlorobenzene
 Concen: 50.320 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.6	58.8
148	63.7	31.7	95.1

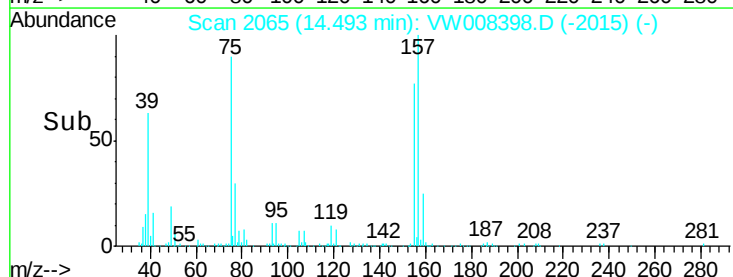
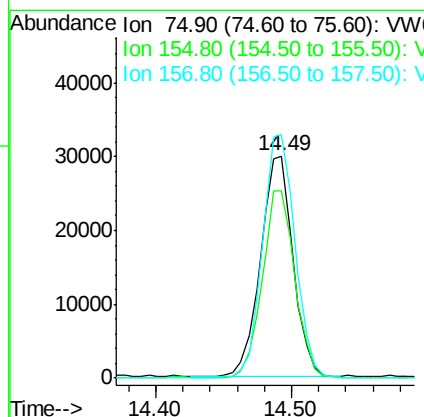
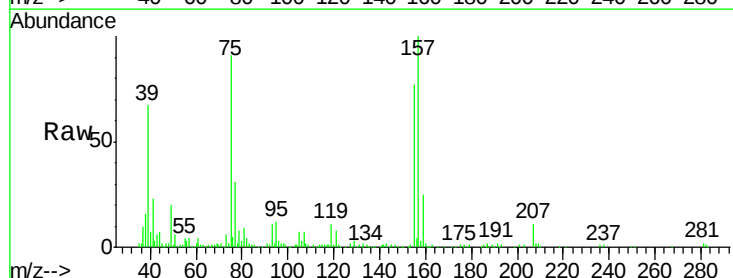
Manual Integrations
 APPROVED

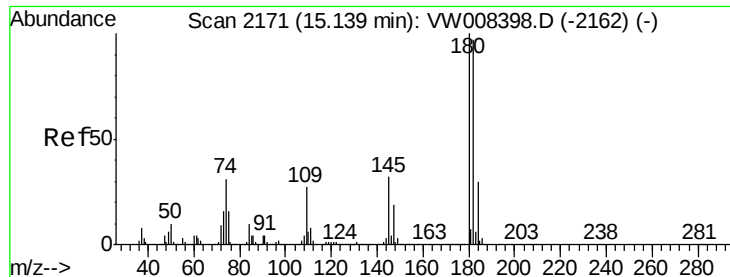
sam
 1/25/2019 1:43:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.011 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	44.7	134.1
157	110.9	53.9	161.8





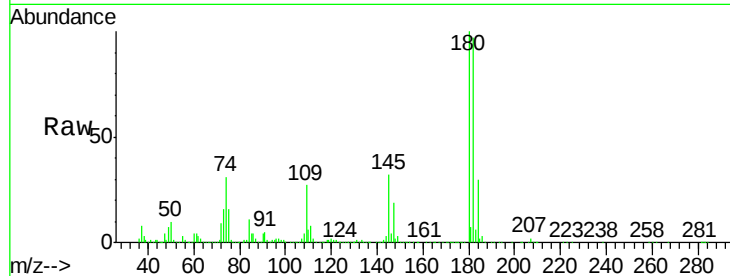
#93
 1,2,4-Trichlorobenzene
 Concen: 52.759 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

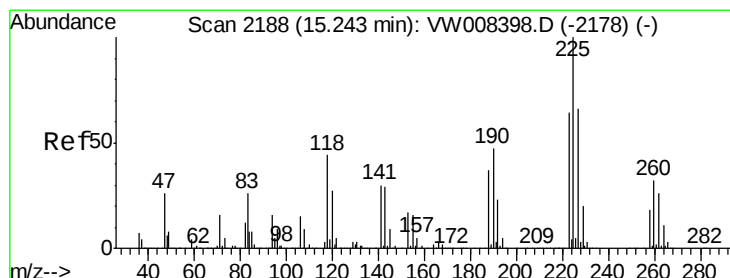
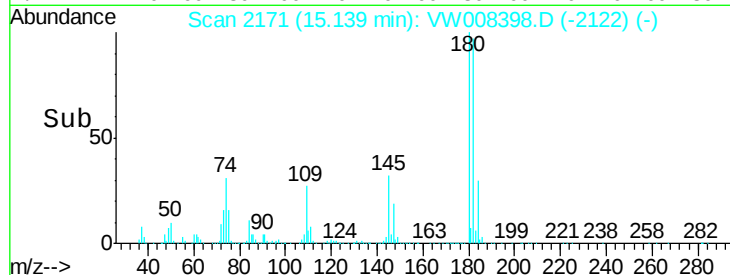
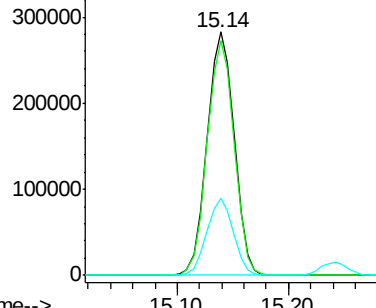
Tot Ion	Ratio	Resp	Lower	Upper
180	100	475946		
182	95.8	47.6	142.8	
145	31.0	14.8	44.4	

Manual Integrations
 APPROVED

sam
 1/25/2019 1:43:52 PM

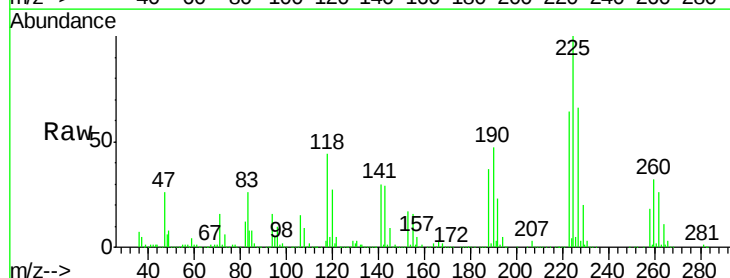


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

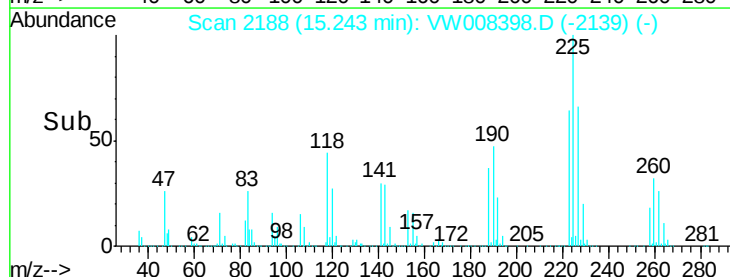
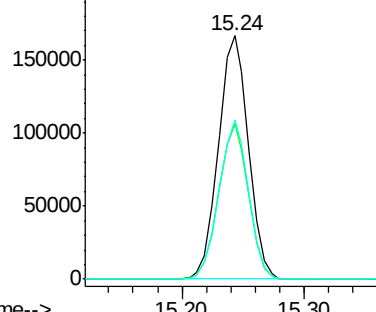


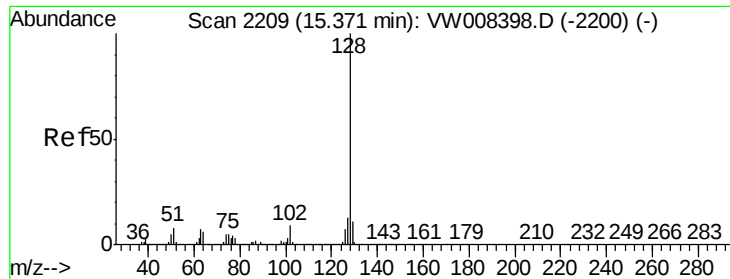
#94
 Hexachlorobutadiene
 Concen: 55.724 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008398.D
 Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	283309		
223	63.4	31.1	93.3	
227	64.2	30.3	90.8	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





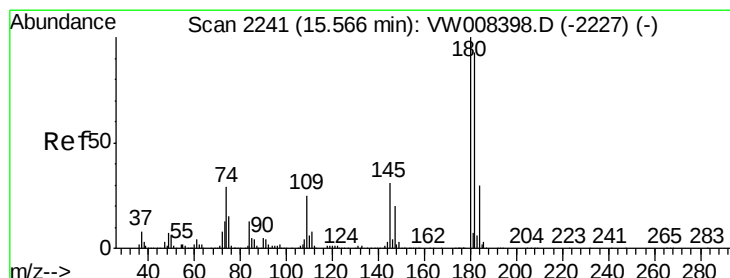
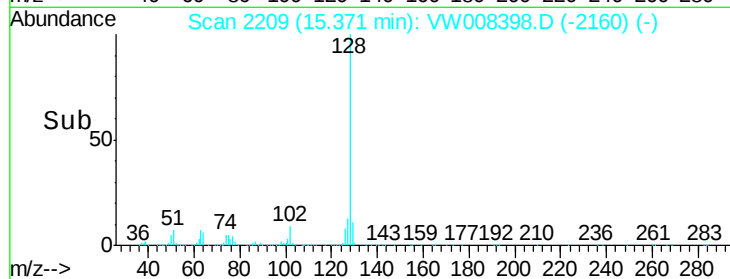
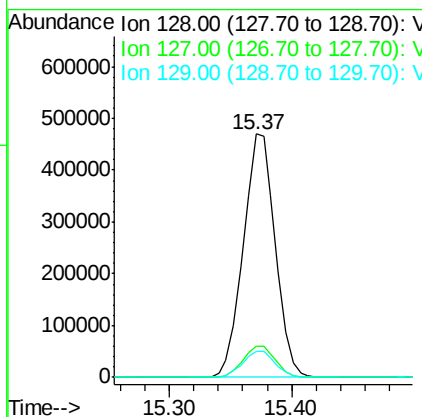
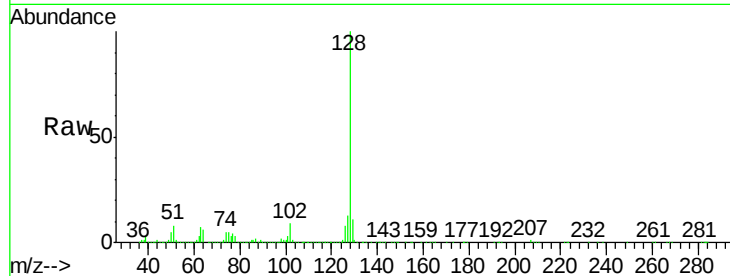
#95
Naphthalene
Concen: 56.512 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

sam
1/25/2019 1:43:52 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.833 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008398.D
Acq: 24 Jan 2019 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	31.7	16.2	48.6

