

Data File : VW001114.D
Acq On : 29 Jan 2018 12:05
Operator : JC/SY
Sample : VSTDIC005
Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Quant Time: Feb 07 03:00:13 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	384663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	349405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	187718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	14070	5.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.82%	
35) Dibromofluoromethane	7.88	113	12739	5.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	10.33	98	47547	5.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.04%	
62) 4-Bromofluorobenzene	12.63	95	17362	4.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.96%	

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Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	13857	6.11	ug/l	97
3) Chloromethane	2.21	50	11503	5.81	ug/l	97
4) Vinyl Chloride	2.36	62	11880	6.03	ug/l	98
5) Bromomethane	2.76	94	9586	2.76	ug/l	91
6) Chloroethane	2.92	64	6915	6.18	ug/l	91
7) Trichlorofluoromethane	3.26	101	22186	6.06	ug/l	96
8) Diethyl Ether	3.68	74	5764	6.05	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	12322	5.06	ug/l	99
10) Methyl Iodide	4.26	142	13127	5.10	ug/l	99
11) Tert butyl alcohol	5.20	59	4979	23.83	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	11762	5.53	ug/l	95
13) Acrolein	3.90	56	8867	26.43	ug/l	96
14) Allyl chloride	4.67	41	17855	5.61	ug/l	99
15) Acrylonitrile	5.38	53	18586	28.72	ug/l	98
16) Acetone	4.14	43	18205	26.63	ug/l	90
17) Carbon Disulfide	4.37	76	36533	5.53	ug/l	100
18) Methyl Acetate	4.68	43	11940	7.15	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	27656	5.02	ug/l	98
20) Methylene Chloride	4.90	84	17411	5.51	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	13287	5.59	ug/l	90
22) Diisopropyl ether	6.31	45	30202	4.96	ug/l	92
23) Vinyl Acetate	6.26	43	88361	24.20	ug/l	99
24) 1,1-Dichloroethane	6.21	63	22136	5.57	ug/l	95
25) 2-Butanone	7.18	43	24715	27.54	ug/l	97
26) 2,2-Dichloropropane	7.17	77	22948	5.83	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	13609	5.37	ug/l	96
28) Bromochloromethane	7.52	49	8647	5.35	ug/l	98
29) Tetrahydrofuran	7.54	42	14035	27.38	ug/l	97
30) Chloroform	7.67	83	23564	5.47	ug/l	97
31) Cyclohexane	7.95	56	24008	6.22	ug/l #	73
32) 1,1,1-Trichloroethane	7.87	97	22108	5.42	ug/l	97
36) 1,1-Dichloropropene	8.09	75	18581	5.35	ug/l	99
37) Ethyl Acetate	7.26	43	11233	6.12	ug/l	100
38) Carbon Tetrachloride	8.07	117	20902	5.39	ug/l	100

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Quant Time: Feb 07 03:00:13 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	21257	5.18	ug/l	93
40) Benzene	8.33	78	52342	5.44	ug/l	99
41) Methacrylonitrile	7.49	41	5401	5.30	ug/l	95
42) 1,2-Dichloroethane	8.40	62	16151	5.34	ug/l	100
43) Isopropyl Acetate	8.43	43	15558	4.93	ug/l	96
44) Trichloroethene	9.09	130	16315	5.65	ug/l	93
45) 1,2-Dichloropropane	9.37	63	11983	5.18	ug/l	96
46) Dibromomethane	9.46	93	7738	5.34	ug/l	97
47) Bromodichloromethane	9.65	83	16878	5.15	ug/l	96
48) Methyl methacrylate	9.44	41	7178	4.75	ug/l	95
49) 1,4-Dioxane	9.46	88	2466	95.58	ug/l #	72
51) 4-Methyl-2-Pentanone	10.22	43	41407	23.99	ug/l	99
52) Toluene	10.40	92	31815	5.15	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	15939	4.82	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	18385	4.98	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	10900	5.28	ug/l	95
56) Ethyl methacrylate	10.65	69	10736	4.44	ug/l	97
57) 1,3-Dichloropropane	10.94	76	17467	5.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	17980	33.54	ug/l	98
59) 2-Hexanone	10.98	43	29206	22.37	ug/l	97
60) Dibromochloromethane	11.13	129	12582	5.00	ug/l	98
61) 1,2-Dibromoethane	11.24	107	10922	5.25	ug/l	99
64) Tetrachloroethene	10.87	164	16648	5.93	ug/l	95
65) Chlorobenzene	11.67	112	38327	5.44	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	13529	5.26	ug/l	97
67) Ethyl Benzene	11.74	91	61220	5.20	ug/l	99
68) m/p-Xylenes	11.85	106	46080	10.05	ug/l	99
69) o-Xylene	12.18	106	20633	4.88	ug/l	98
70) Styrene	12.19	104	32829	4.73	ug/l	98
71) Bromoform	12.36	173	8451	5.08	ug/l #	97
73) Isopropylbenzene	12.48	105	58533	4.98	ug/l	99
74) N-amyl acetate	12.29	43	12138	4.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	12972	5.39	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	11597m	6.10	ug/l	
77) Bromobenzene	12.76	156	16577	5.43	ug/l	99
78) n-propylbenzene	12.82	91	70906	5.04	ug/l	98
79) 2-Chlorotoluene	12.91	91	41371	5.14	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	49183	4.89	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3691	5.10	ug/l	99
82) 4-Chlorotoluene	13.01	91	44870	5.22	ug/l	98
83) tert-Butylbenzene	13.22	119	43108	4.85	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	49271	4.82	ug/l	99
85) sec-Butylbenzene	13.40	105	63600	5.06	ug/l	99
86) p-Isopropyltoluene	13.52	119	54389	4.87	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	32655	5.42	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	34233	5.65	ug/l	94
89) n-Butylbenzene	13.84	91	51814	4.98	ug/l	98
90) Hexachloroethane	14.12	117	10707	5.14	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	29964	5.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2609	5.38	ug/l	92

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Misc : 5.0G/5.0ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Quant Time: Feb 07 03:00:13 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	20352	5.01	ug/l	99
94) Hexachlorobutadiene	15.26	225	13377	5.33	ug/l	99
95) Naphthalene	15.40	128	36223	4.52	ug/l	98
96) 1,2,3-Trichlorobenzene	15.58	180	19388	5.18	ug/l	98

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

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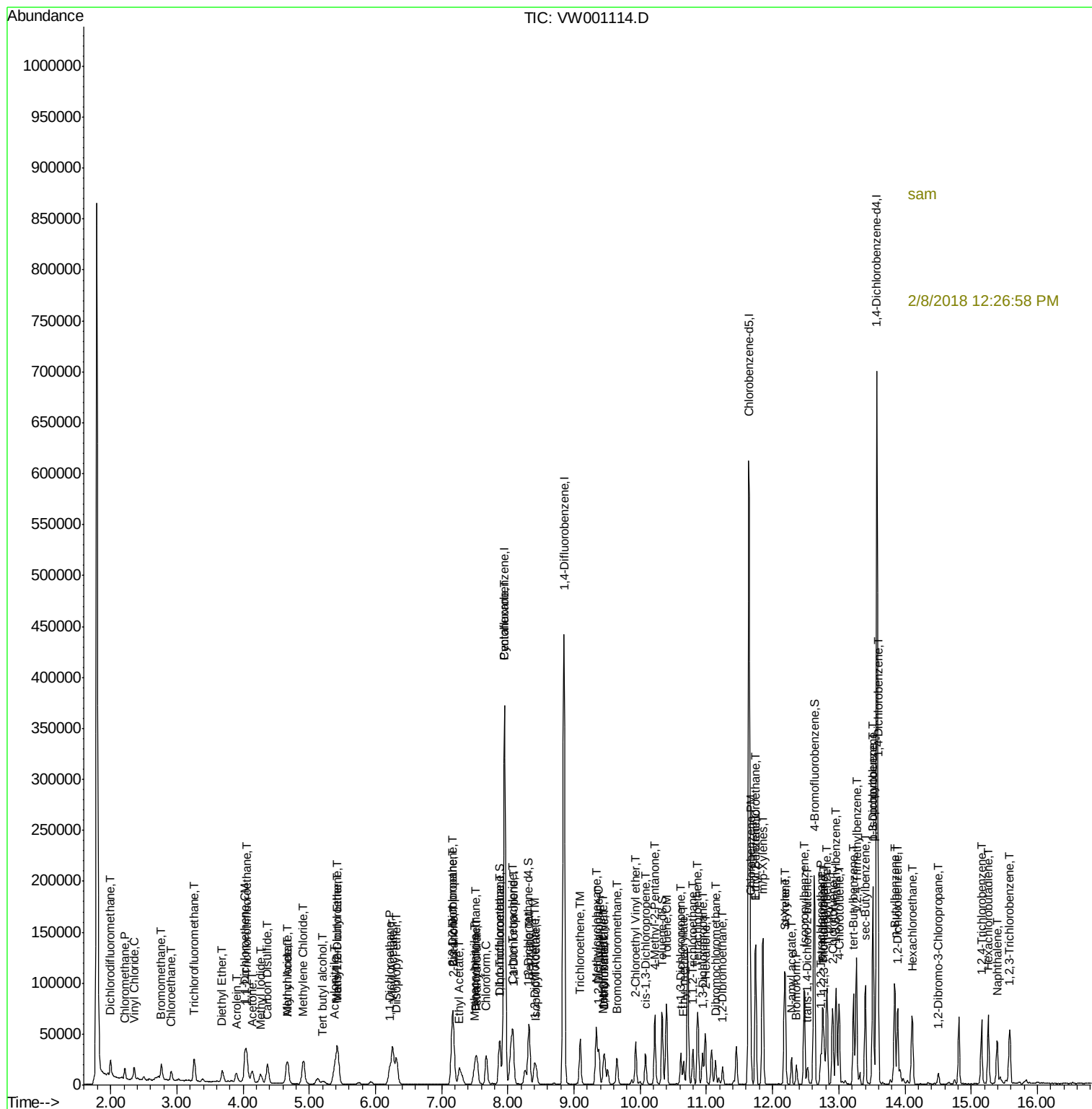
Data File : VW001114.D

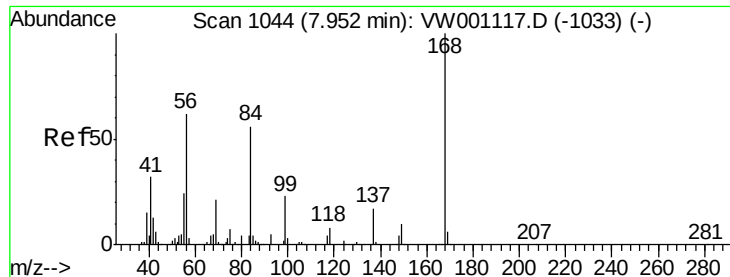
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Acq On       : 29 Jan 2018   12:05
Operator     : JC/SY
Sample       : VSTDIC005
Misc         : 5.0G/5.0ML/MSV0A_W/SOIL
ALS Vial     : 2      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Quant Time: Feb 07 03:00:13 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 30 01:11:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

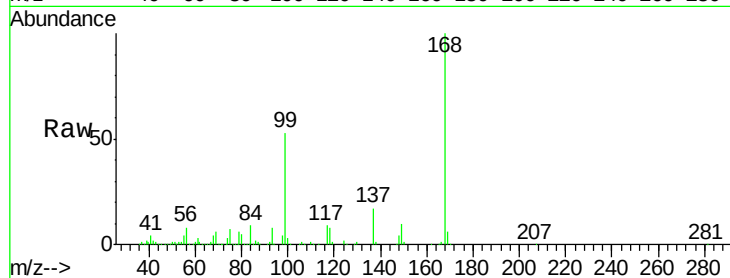
Tgt Ion: 168 Resp: 267472

Ion Ratio Lower Upper

168 100

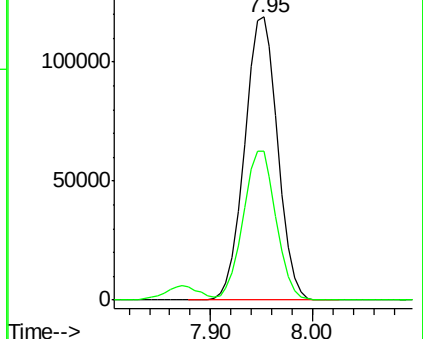
99 52.7 42.4 63.6

Manual Integrations
APPROVED



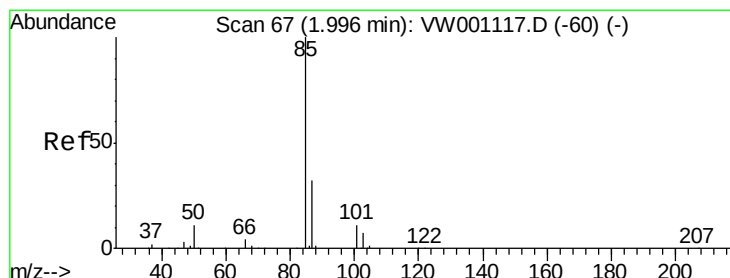
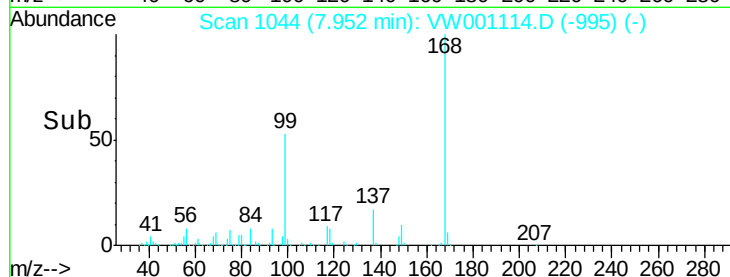
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



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#2

Dichlorodifluoromethane

Concen: 6.11 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.01 min

Lab File: VW001114.D

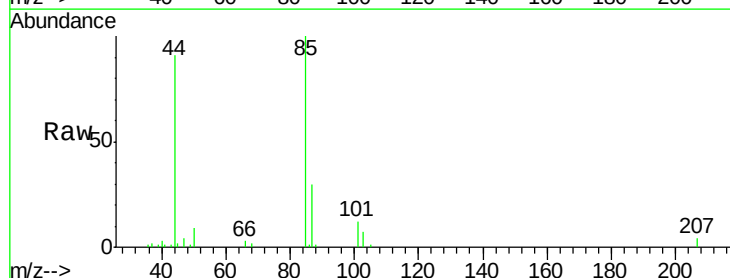
Acq: 29 Jan 2018 12:05

Tgt Ion: 85 Resp: 13857

Ion Ratio Lower Upper

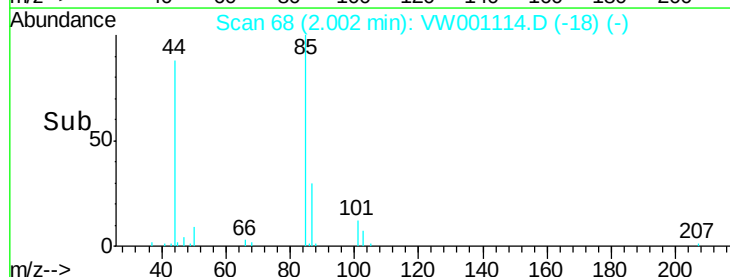
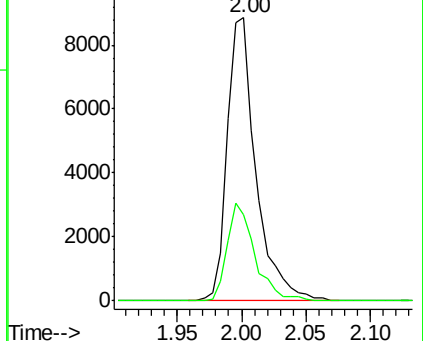
85 100

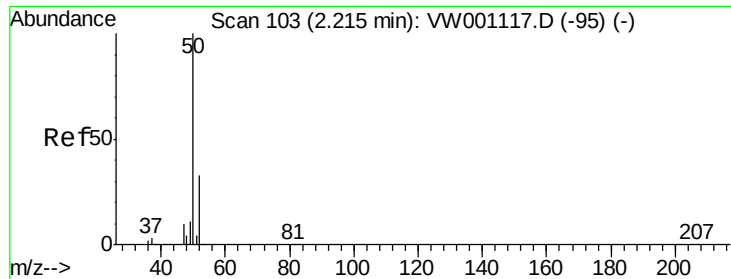
87 30.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 5.81 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 11503

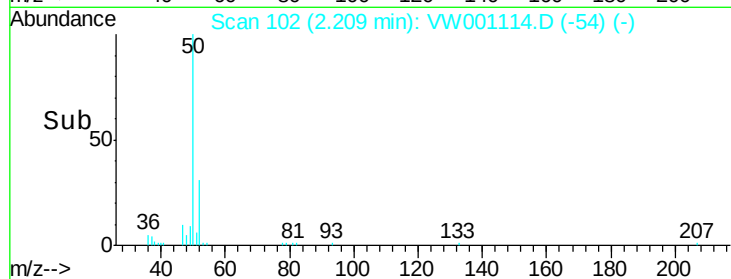
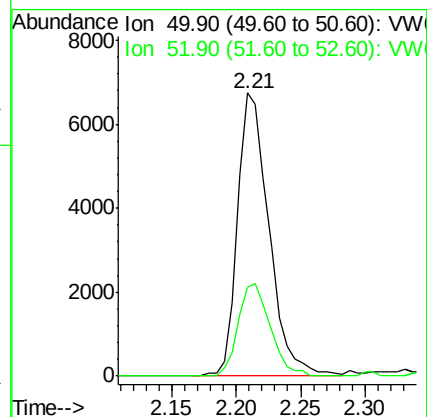
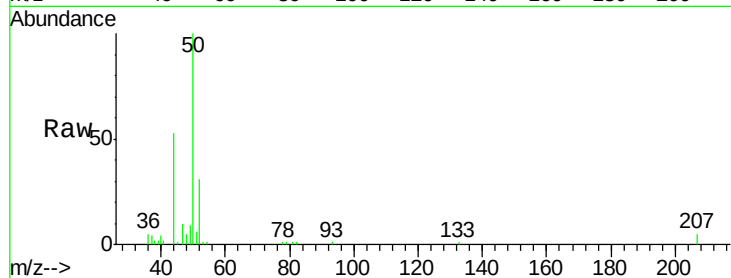
Ion Ratio Lower Upper

50 100

52 31.2 26.2 39.4

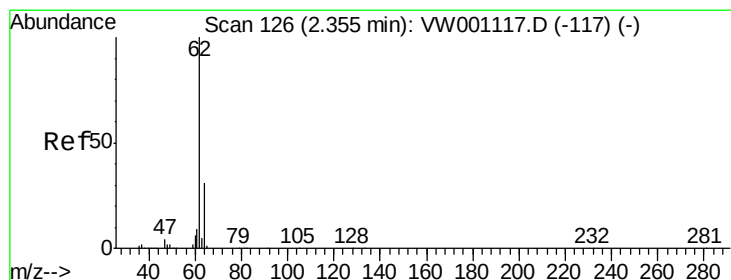
Manual Integrations

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#4

Vinyl Chloride

Concen: 6.03 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW001114.D

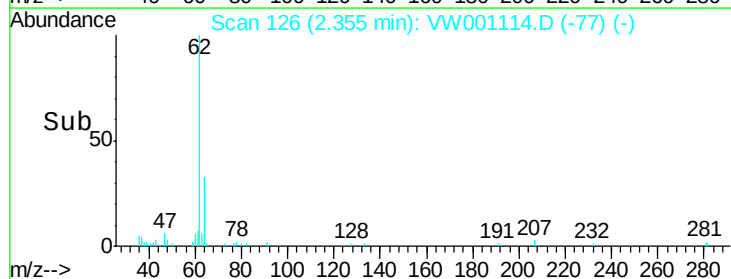
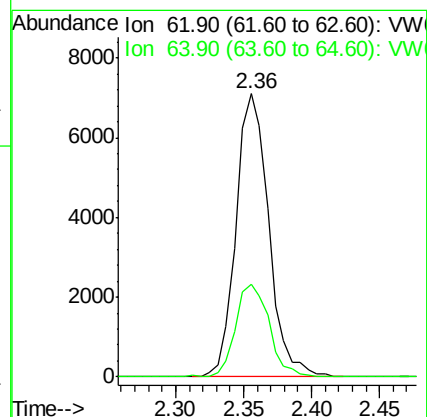
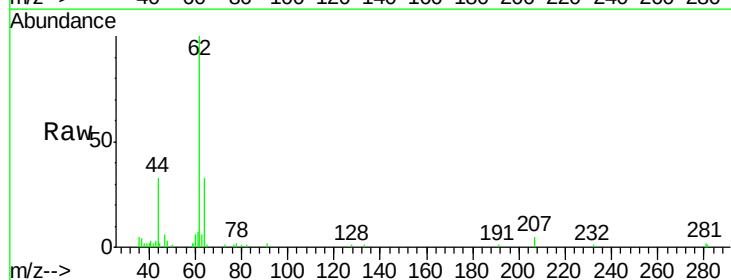
Acq: 29 Jan 2018 12:05

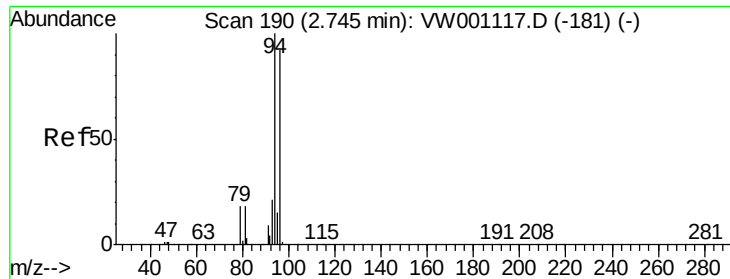
Tgt Ion: 62 Resp: 11880

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 2.76 ug/l

RT: 2.76 min Scan# 193

Delta R.T. 0.02 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

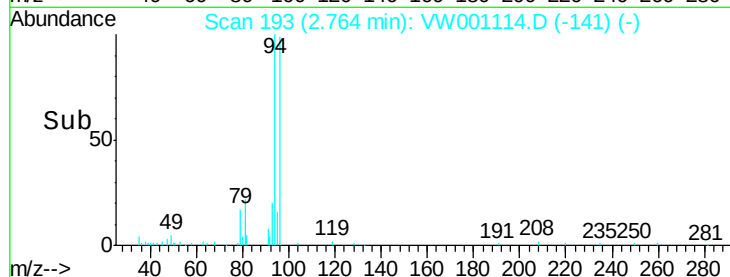
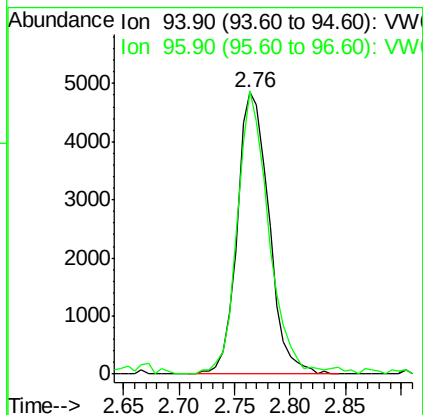
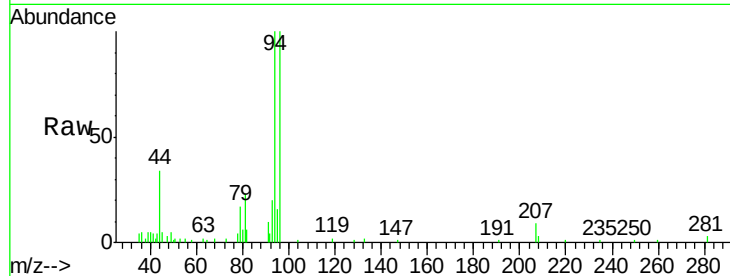
Tgt Ion: 94 Resp: 9586

Ion Ratio Lower Upper

94 100

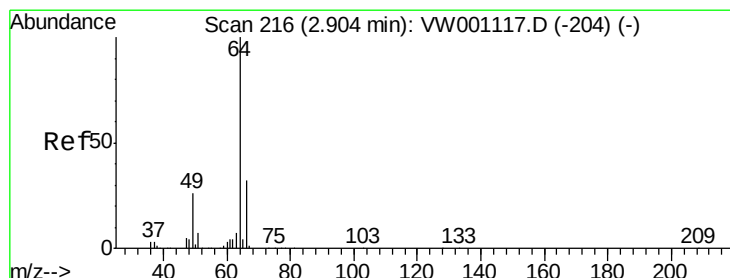
96 100.5 73.7 110.5

Manual Integrations
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#6

Chloroethane

Concen: 6.18 ug/l

RT: 2.92 min Scan# 218

Delta R.T. 0.01 min

Lab File: VW001114.D

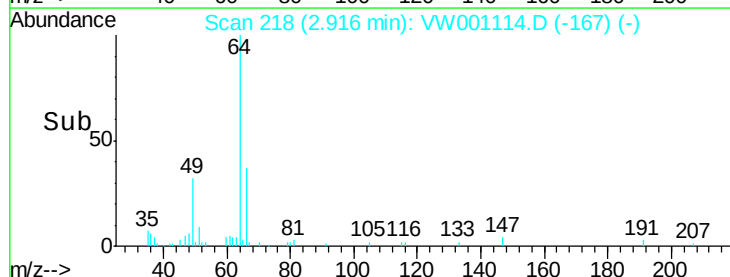
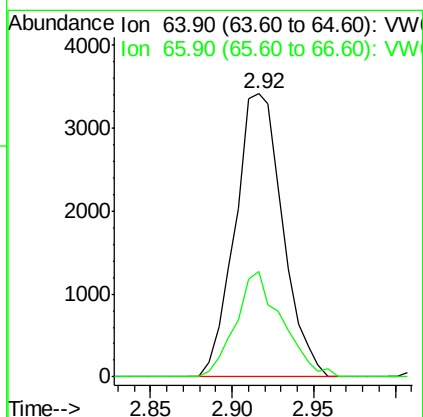
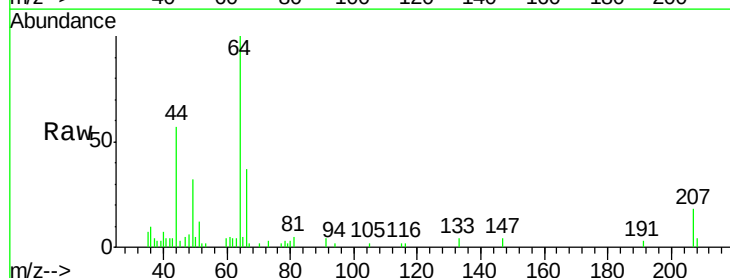
Acq: 29 Jan 2018 12:05

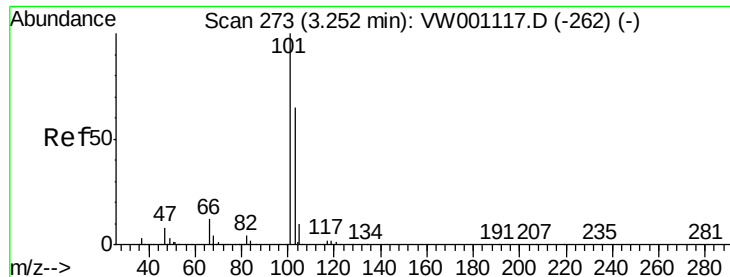
Tgt Ion: 64 Resp: 6915

Ion Ratio Lower Upper

64 100

66 37.5 25.8 38.8





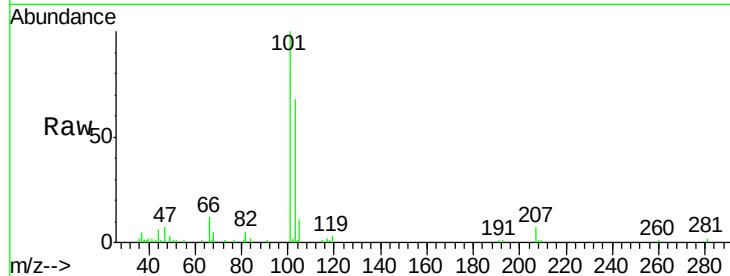
#7

Trichlorofluoromethane
Concen: 6.06 ug/l
RT: 3.26 min Scan# 275
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

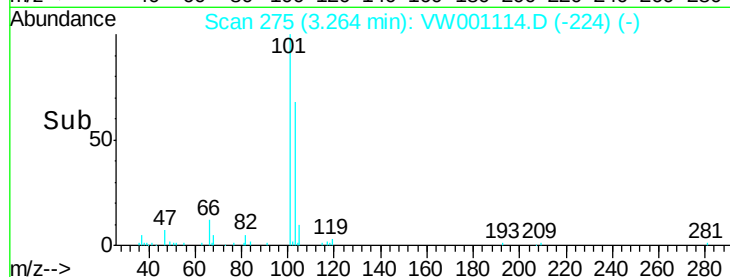
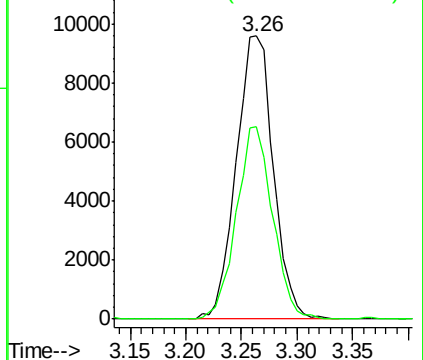
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	68.1	51.9	77.9

Manual Integrations
APPROVED

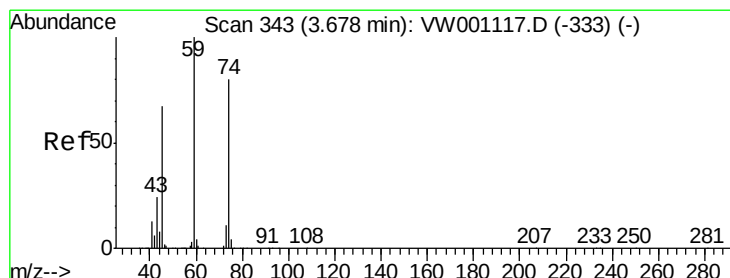


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



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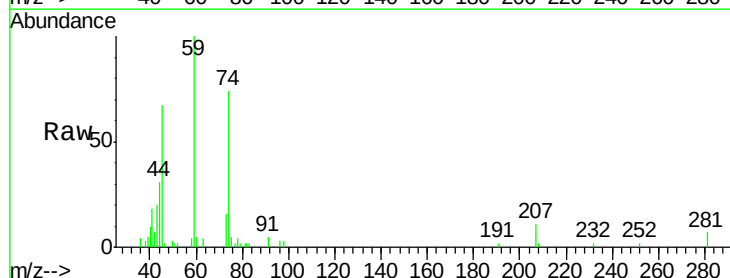
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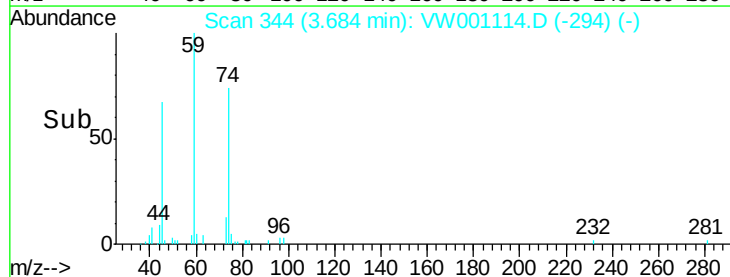
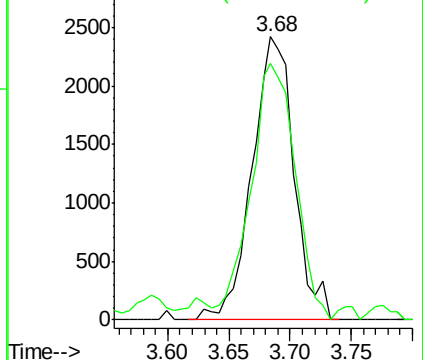
#8

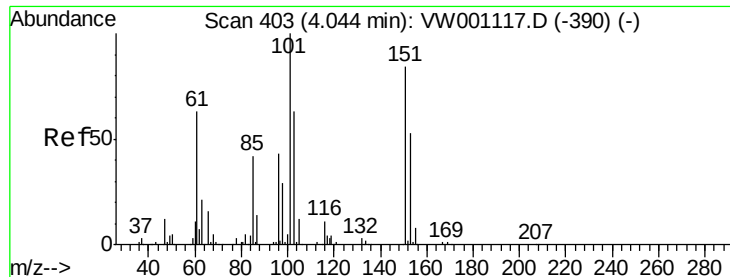
Diethyl Ether
Concen: 6.05 ug/l
RT: 3.68 min Scan# 344
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	46.7	140.1



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.06 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

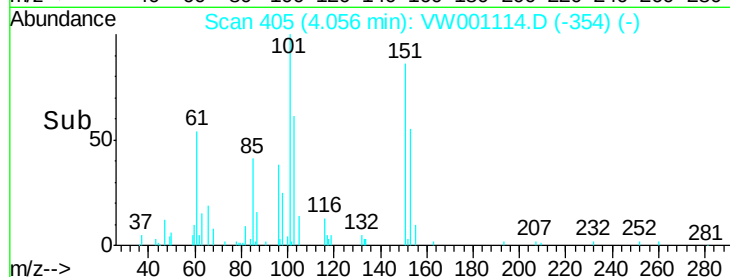
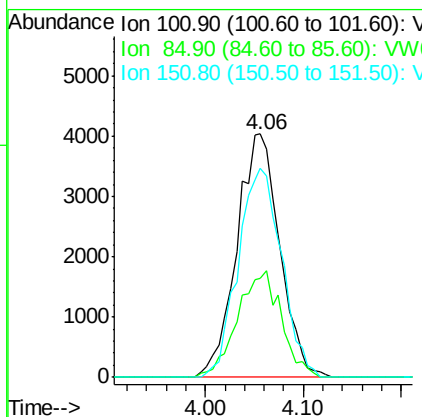
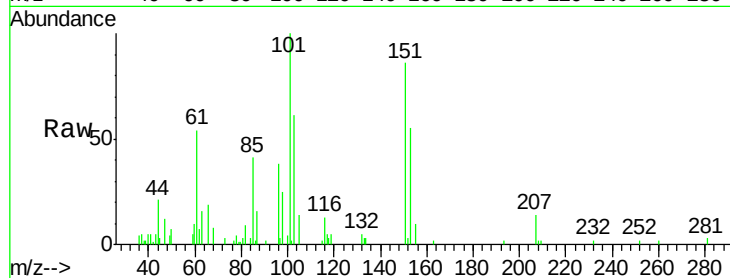
MSVOA_W

ClientSampled :

VSTDIC005

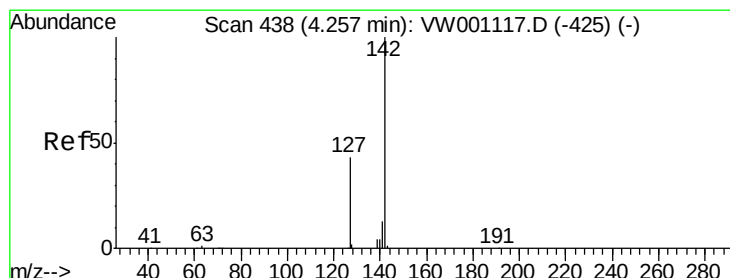
Tgt Ion:	101	Resp:	12322
Ion Ratio	Lower	Upper	
101	100		
85	44.4	34.9	52.3
151	86.9	68.6	103.0

Manual Integrations
APPROVED



sam

2/8/2018 12:26:58 PM



#10

Methyl Iodide

Concen: 5.10 ug/l

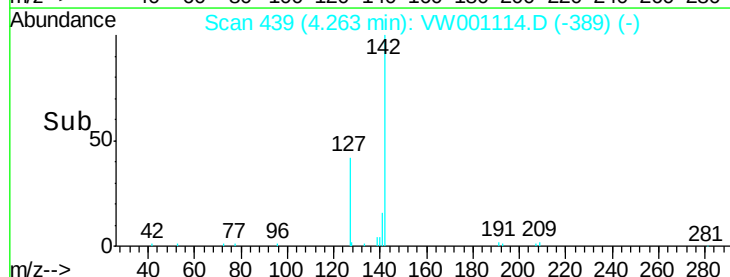
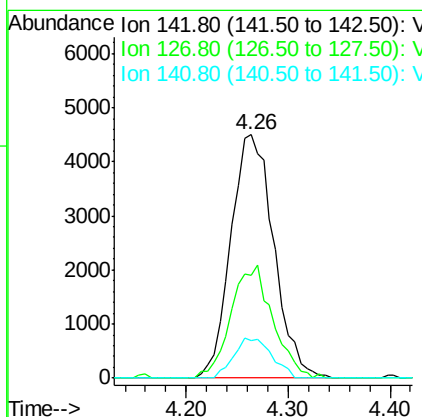
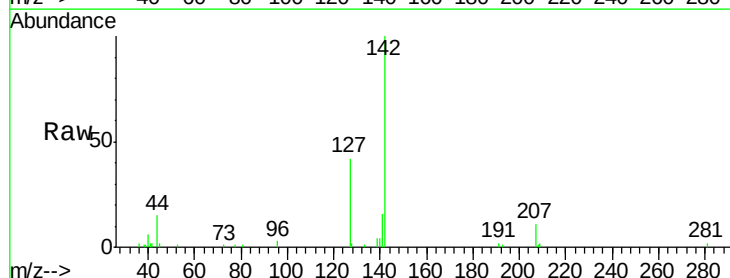
RT: 4.26 min Scan# 439

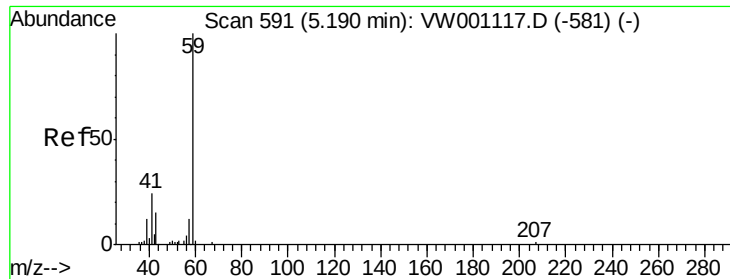
Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	142	Resp:	13127
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.4	53.2
141	14.4	11.6	17.4



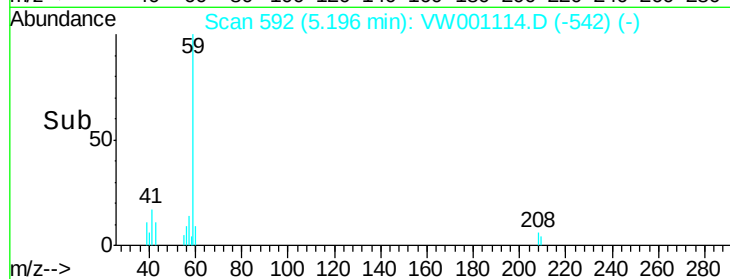
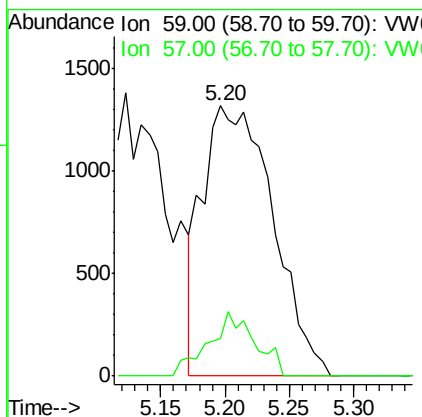
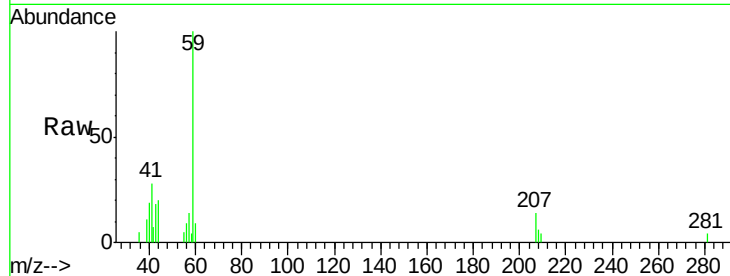


#11
Tert butyl alcohol
Concen: 23.83 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

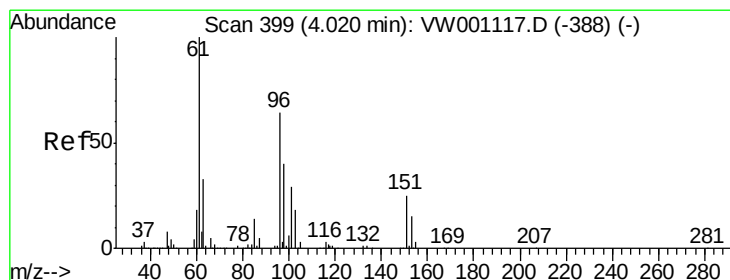
Tgt Ion: 59 Resp: 4979
Ion Ratio Lower Upper
59 100
57 15.7 7.8 11.8#

Manual Integrations
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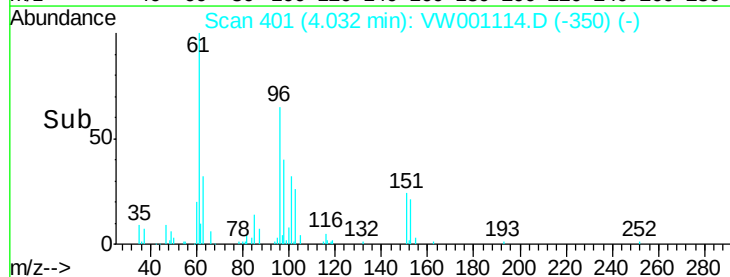
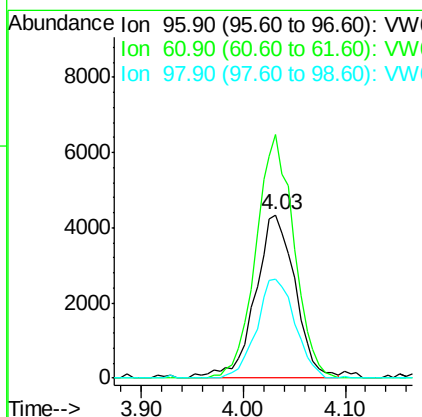
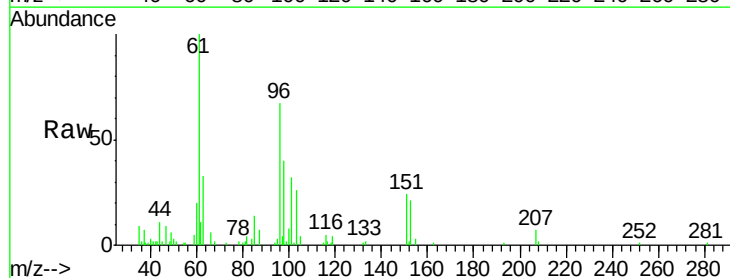
sam

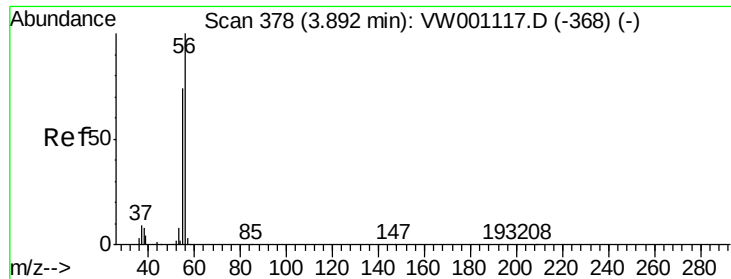
2/8/2018 12:26:58 PM



#12
1,1-Dichloroethene
Concen: 5.53 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 96 Resp: 11762
Ion Ratio Lower Upper
96 100
61 149.3 125.2 187.8
98 60.3 50.3 75.5



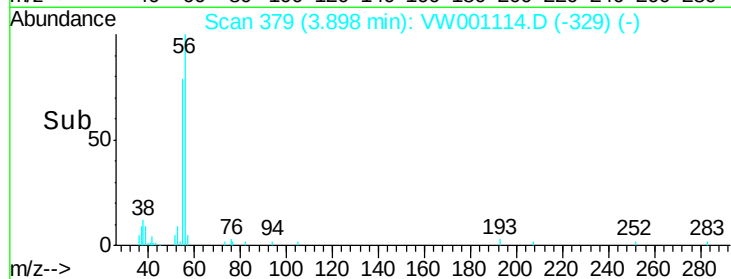
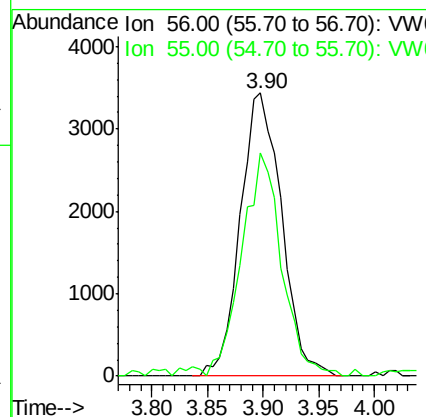
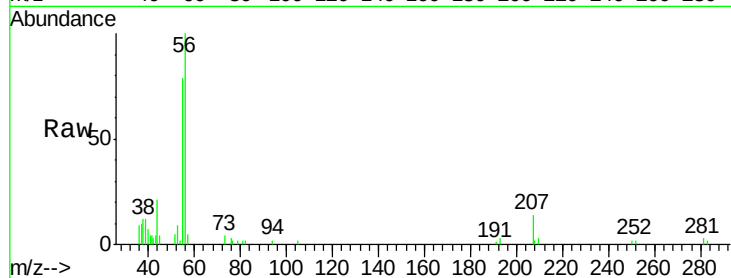


#13
Acrolein
Concen: 26.43 ug/l
RT: 3.90 min Scan# 379
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

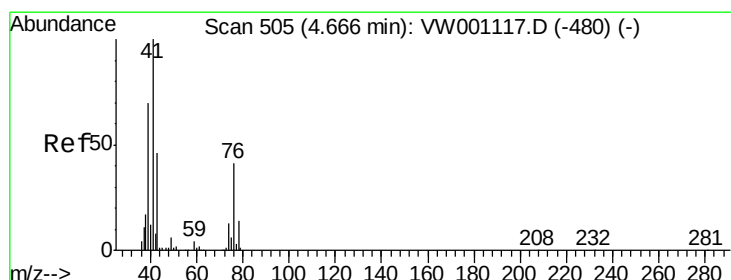
Tgt Ion	Ratio	Lower	Upper
56	100		
55	76.0	58.2	87.4

Manual Integrations
APPROVED



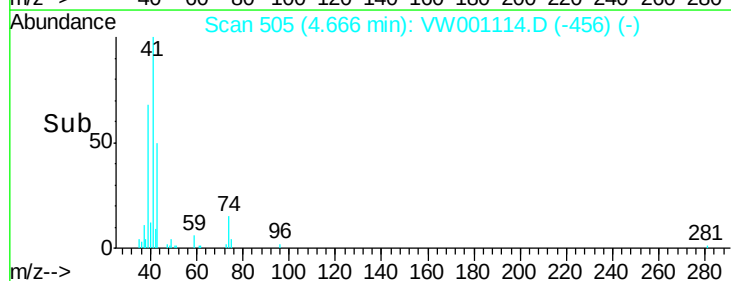
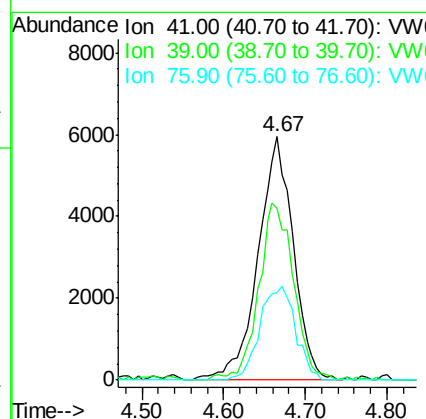
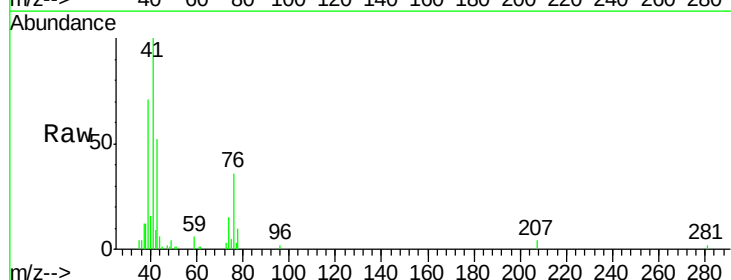
sam

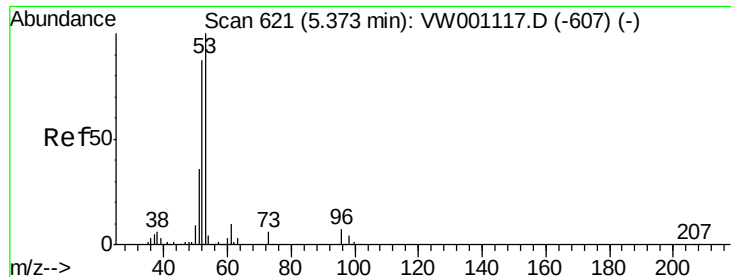
2/8/2018 12:26:58 PM



#14
Allyl chloride
Concen: 5.61 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.5	55.9	83.9
76	38.9	31.0	46.6





#15

Acrylonitrile

Concen: 28.72 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	53	Resp:	18586
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.9	100.3
51	36.7	29.5	44.3

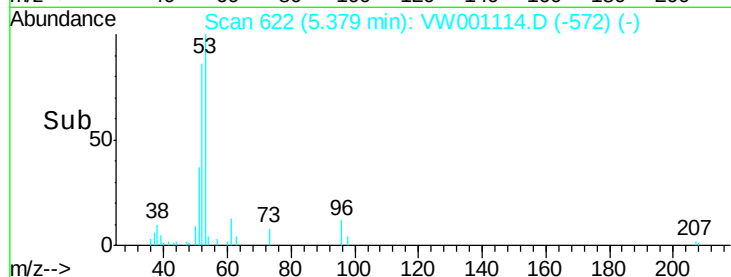
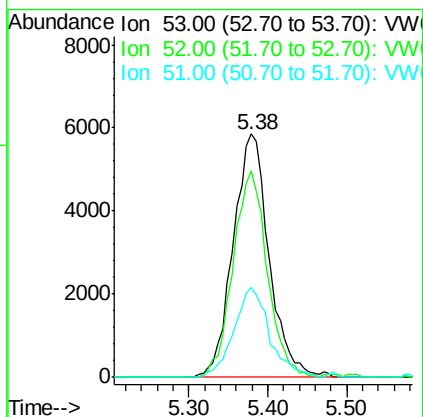
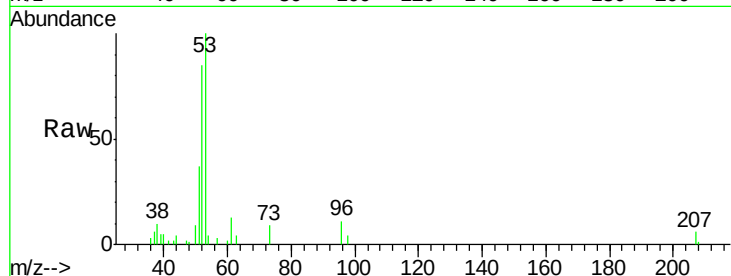
Instrument :

MSVOA_W

ClientSampleId :

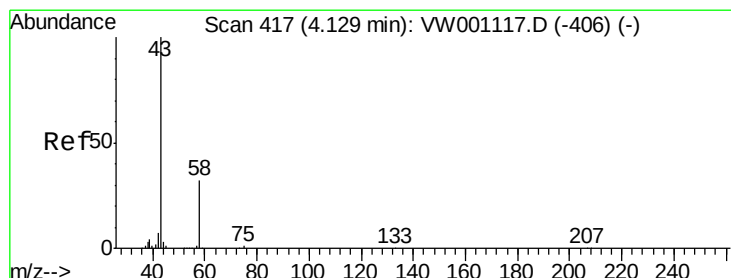
VSTDIC005

Manual Integrations
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#16

Acetone

Concen: 26.63 ug/l

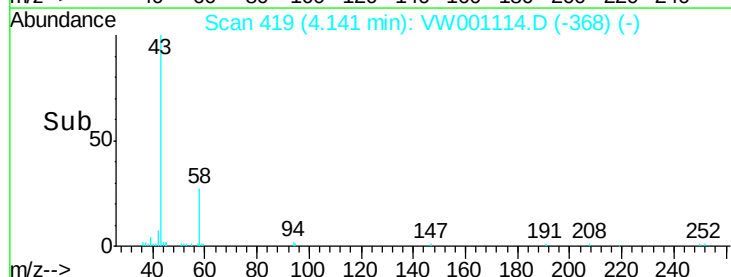
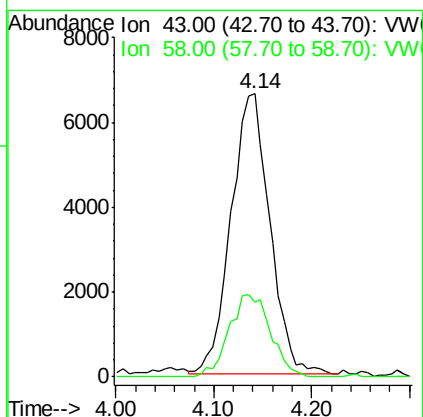
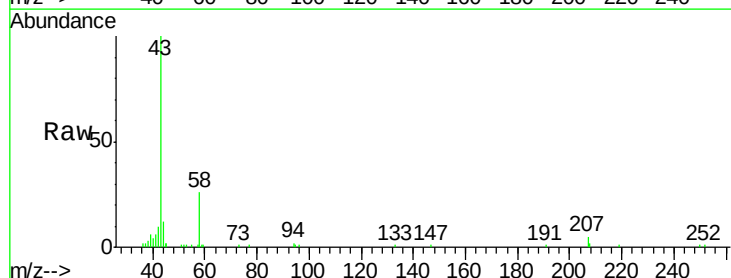
RT: 4.14 min Scan# 419

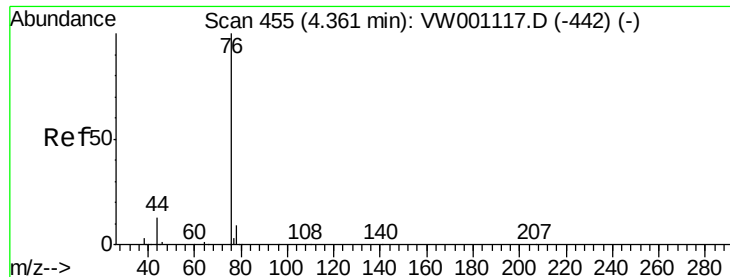
Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	43	Resp:	18205
Ion	Ratio	Lower	Upper
43	100		
58	26.5	25.7	38.5



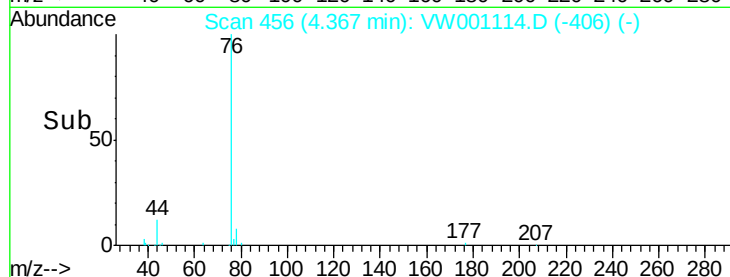
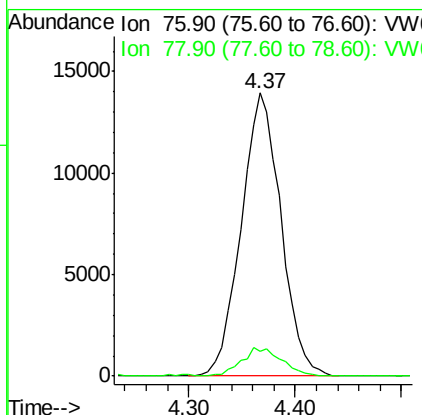
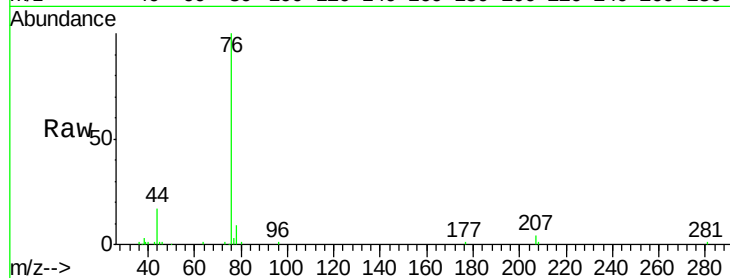


#17
Carbon Disulfide
Concen: 5.53 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

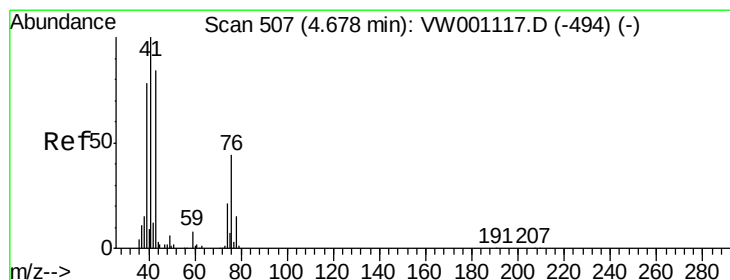
Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

Manual Integrations
APPROVED



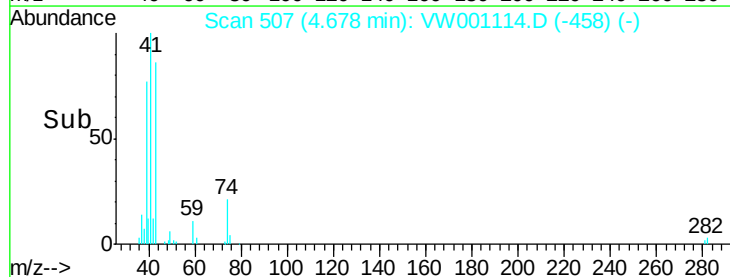
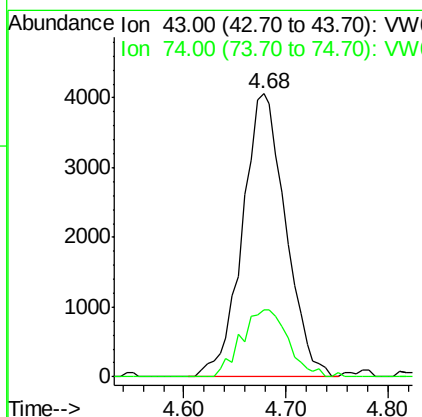
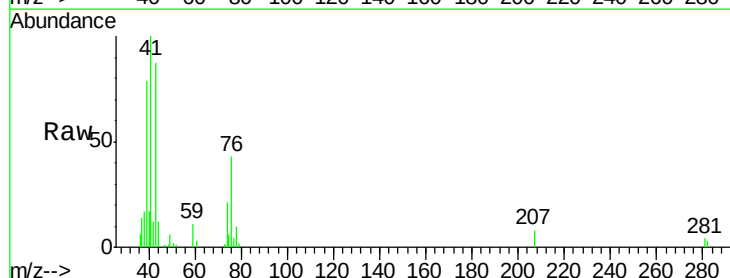
sam

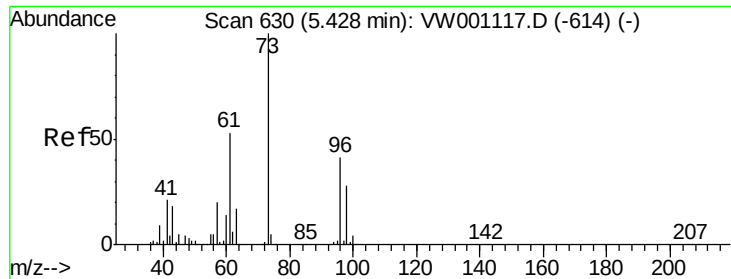
2/8/2018 12:26:58 PM



#18
Methyl Acetate
Concen: 7.15 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.2	30.2



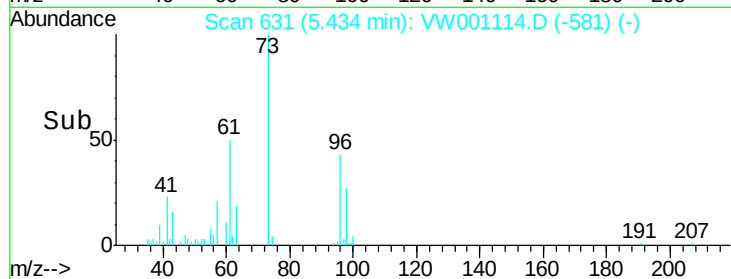
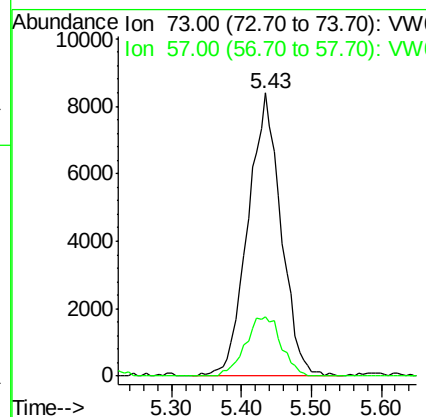
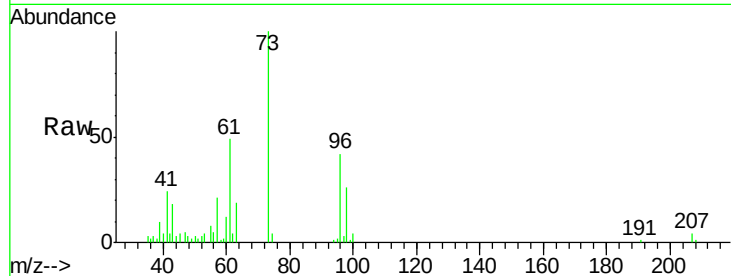


#19
Methyl tert-butyl Ether
Concen: 5.02 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

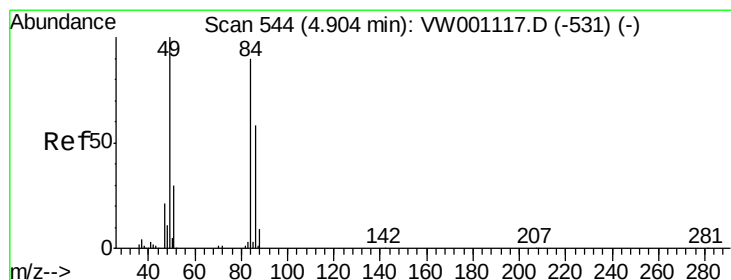
Tgt Ion: 73 Resp: 27656
Ion Ratio Lower Upper
73 100
57 21.0 16.1 24.1

Manual Integrations
APPROVED



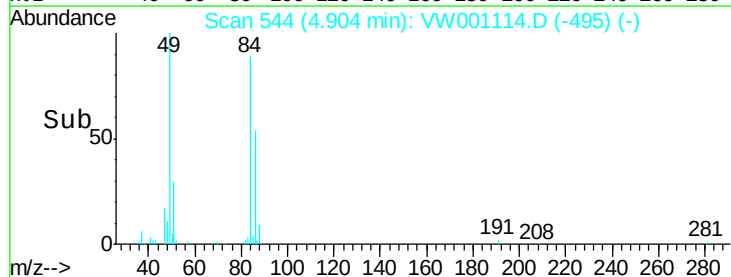
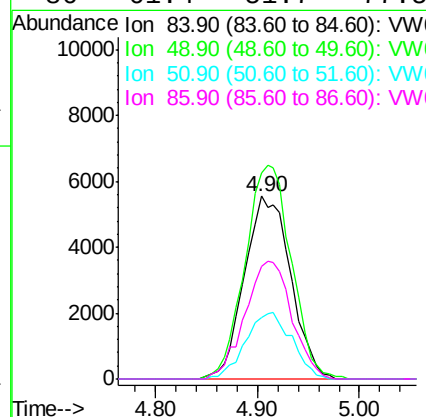
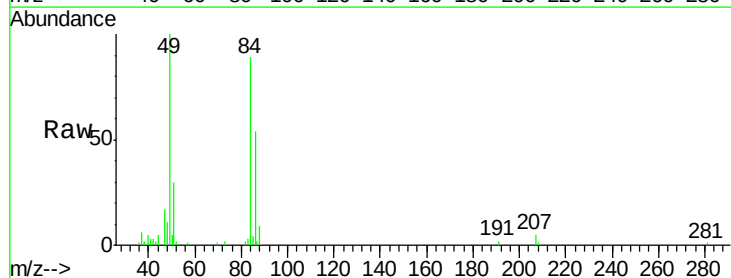
sam

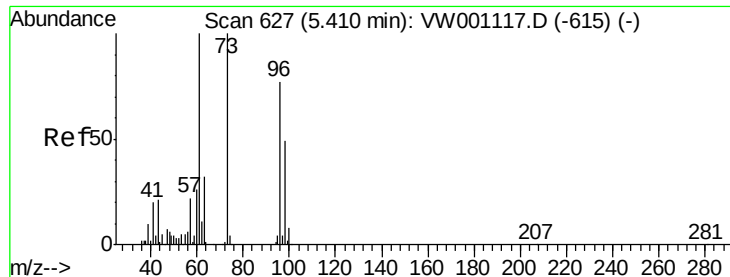
2/8/2018 12:26:58 PM



#20
Methylene Chloride
Concen: 5.51 ug/l
RT: 4.90 min Scan# 544
Delta R.T. 0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 84 Resp: 17411
Ion Ratio Lower Upper
84 100
49 112.8 89.2 133.8
51 33.3 26.7 40.1
86 61.4 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 5.59 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

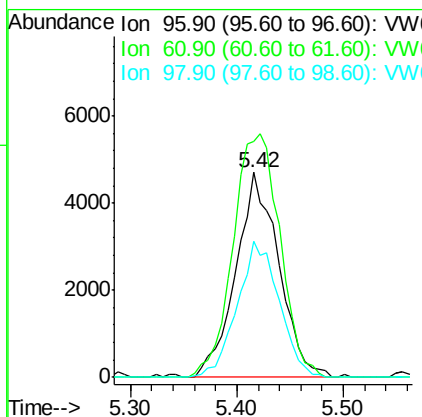
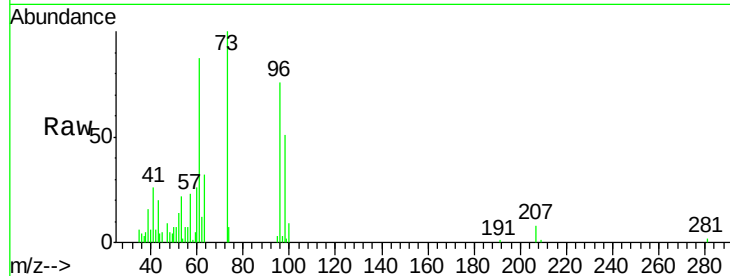
MSVOA_W

ClientSampled :

VSTDIC005

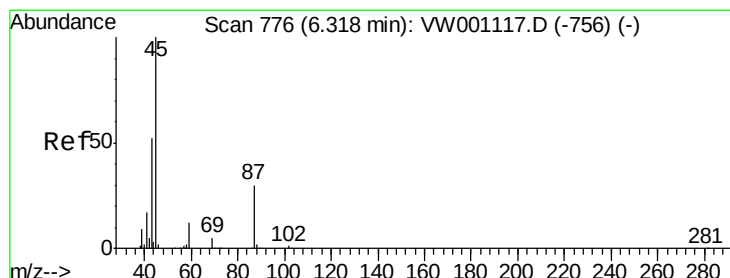
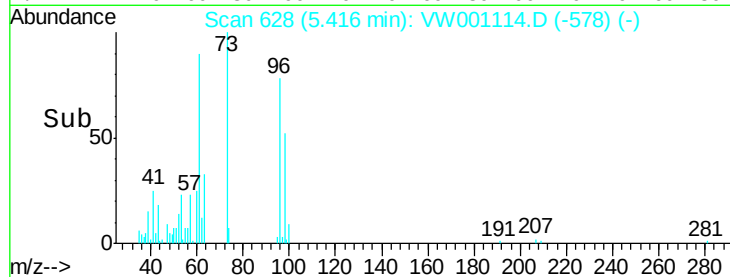
Tgt Ion:	96	Resp:	13287
Ion	Ratio	Lower	Upper
96	100		
61	114.9	104.6	156.8
98	66.6	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.96 ug/l

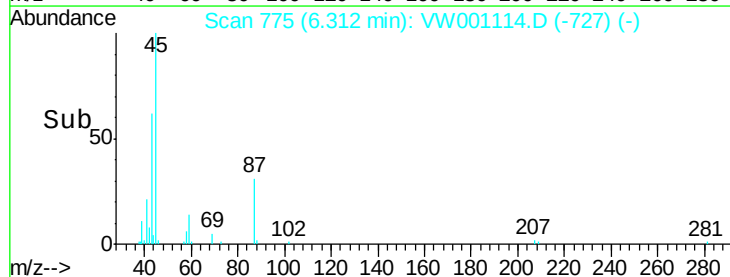
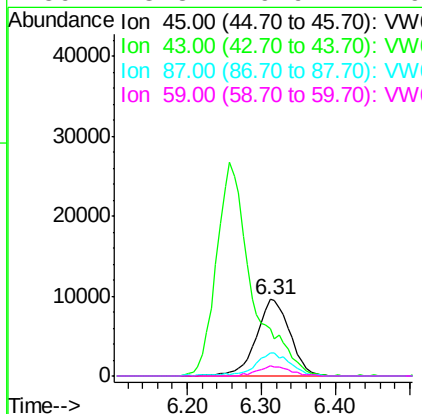
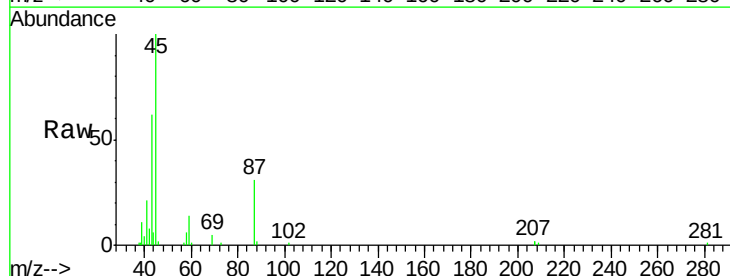
RT: 6.31 min Scan# 775

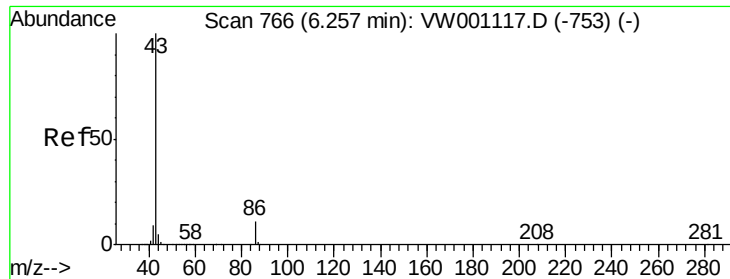
Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	45	Resp:	30202
Ion	Ratio	Lower	Upper
45	100		
43	60.8	41.6	62.4
87	30.9	24.5	36.7
59	13.8	9.9	14.9





#23

Vinyl Acetate

Concen: 24.20 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 88361

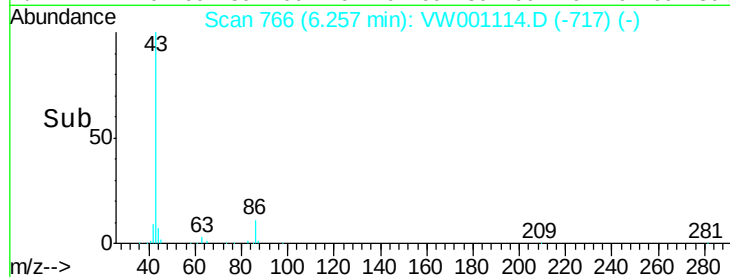
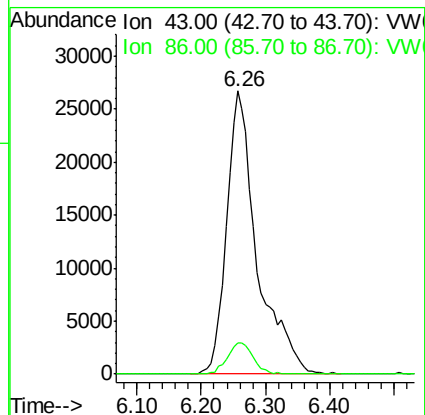
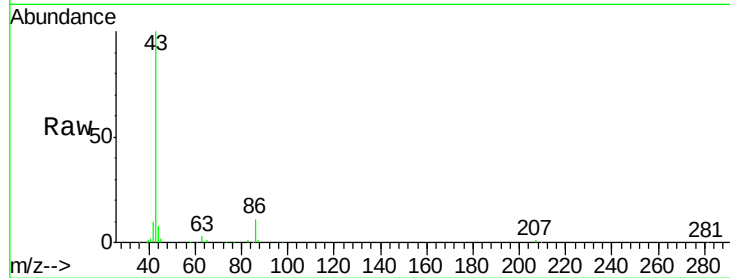
Ion Ratio Lower Upper

43 100

86 10.8 9.0 13.6

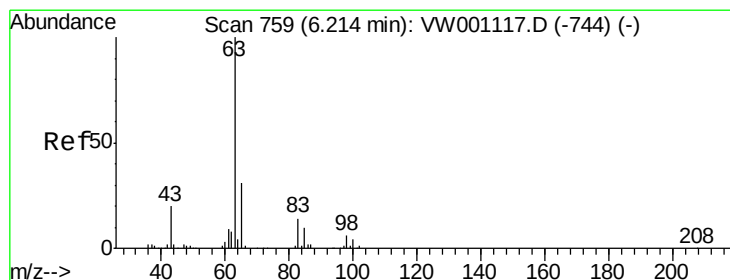
Manual Integrations

APPROVED



sam

2/8/2018 12:26:58 PM



#24

1,1-Dichloroethane

Concen: 5.57 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

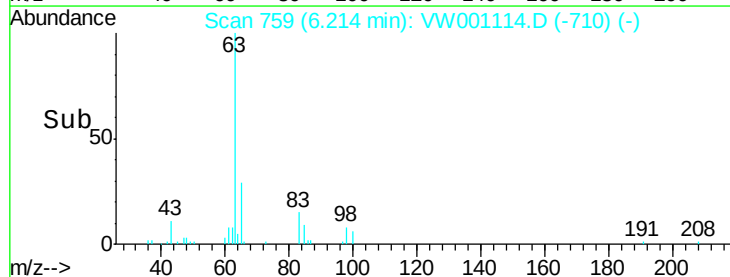
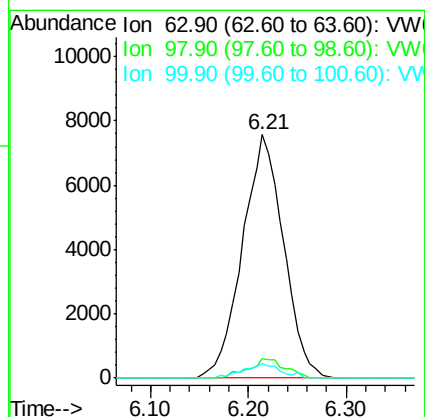
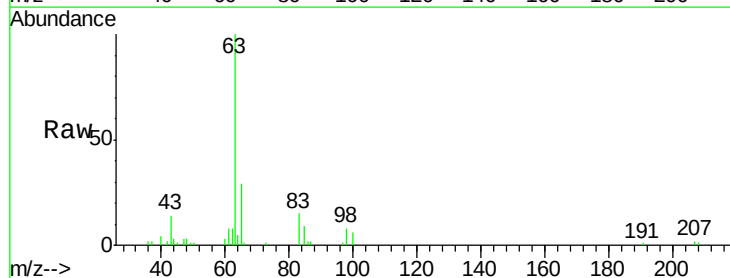
Tgt Ion: 63 Resp: 22136

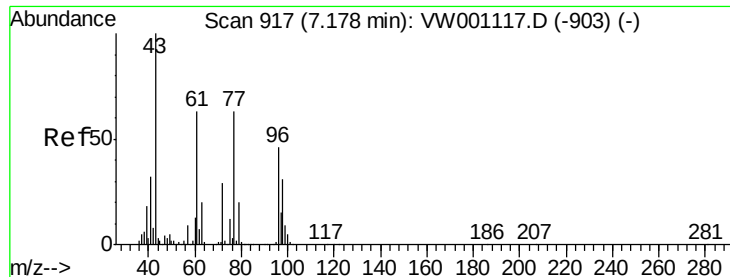
Ion Ratio Lower Upper

63 100

98 8.0 3.0 9.2

100 5.8 2.1 6.3





#25

2-Butanone

Concen: 27.54 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

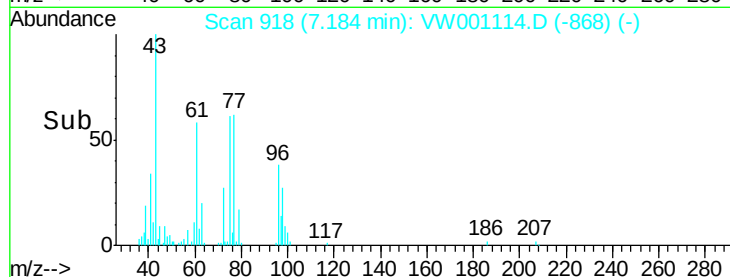
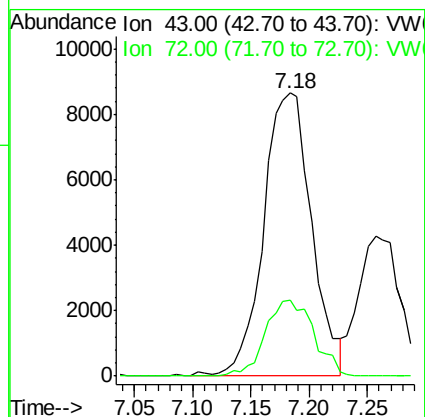
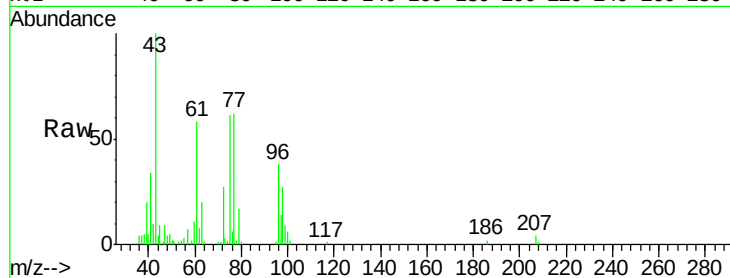
Tgt Ion: 43 Resp: 24715

Ion Ratio Lower Upper

43 100

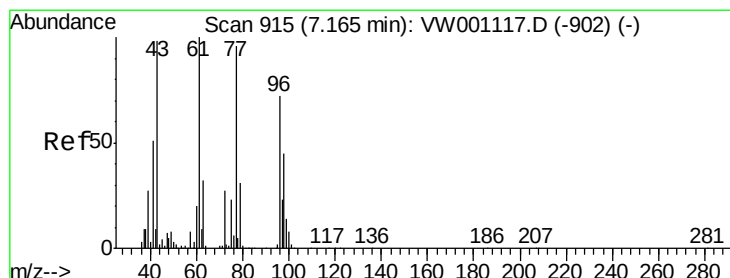
72 27.1 22.8 34.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.83 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW001114.D

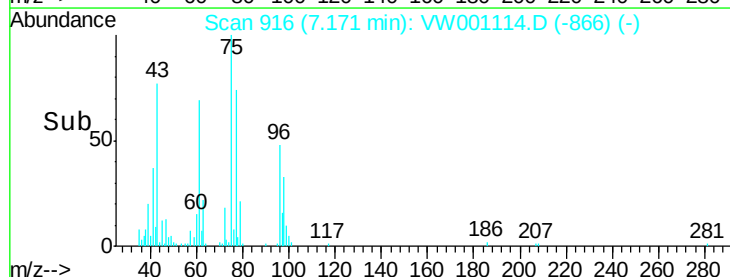
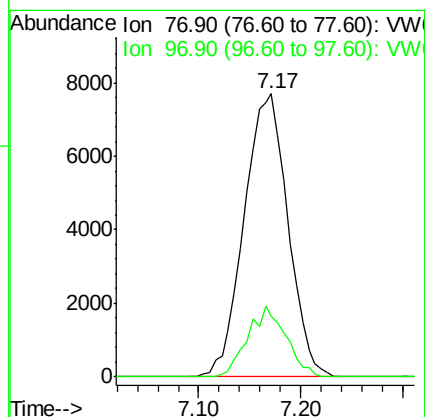
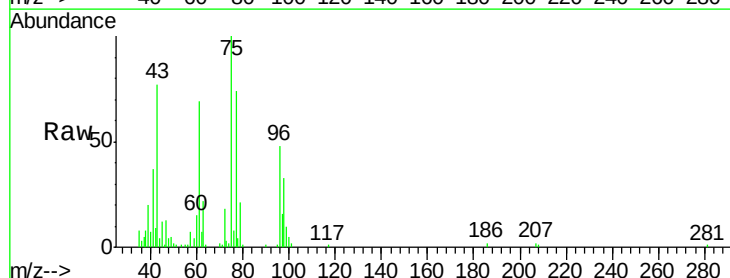
Acq: 29 Jan 2018 12:05

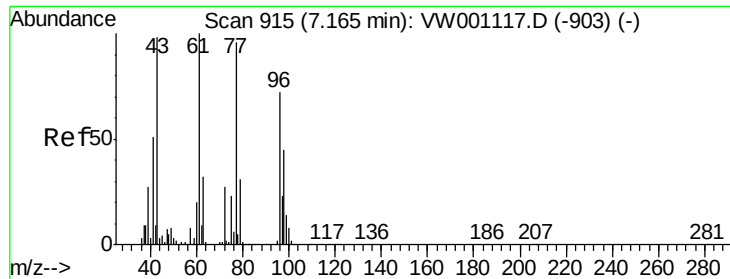
Tgt Ion: 77 Resp: 22948

Ion Ratio Lower Upper

77 100

97 21.8 11.6 34.7





#27

cis-1,2-Dichloroethene

Concen: 5.37 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

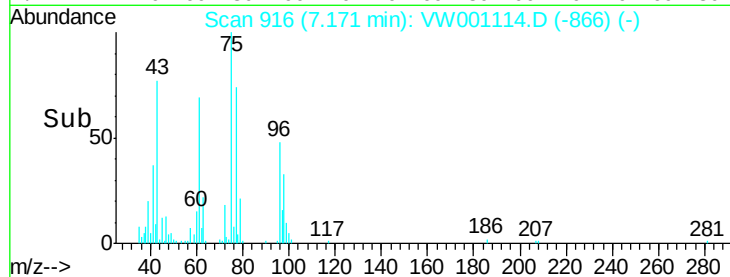
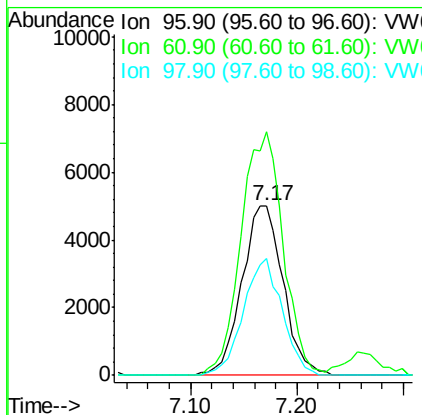
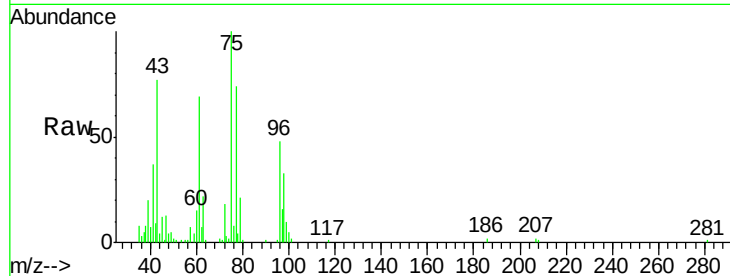
MSVOA_W

ClientSampleId :

VSTDIC005

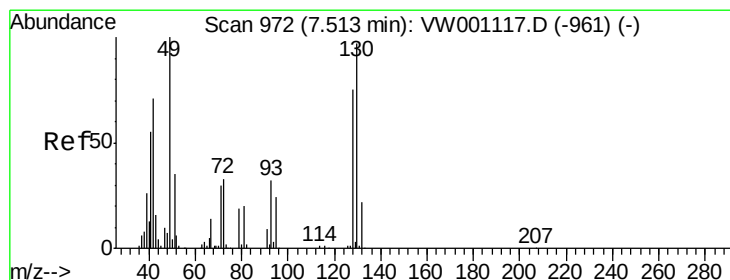
Tgt Ion:	96	Resp:	13609
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	280.4
98	64.6	0.0	129.6

Manual Integrations
APPROVED



sam

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#28

Bromochloromethane

Concen: 5.35 ug/l

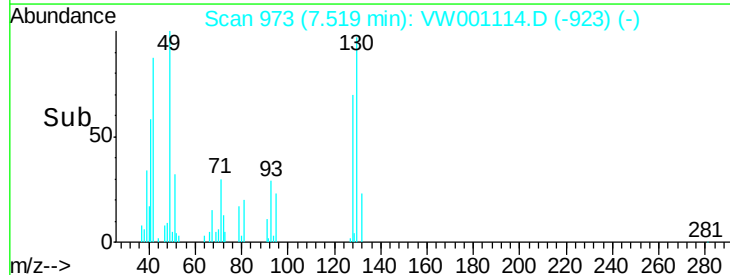
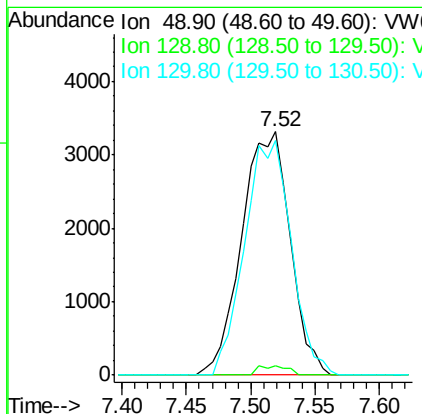
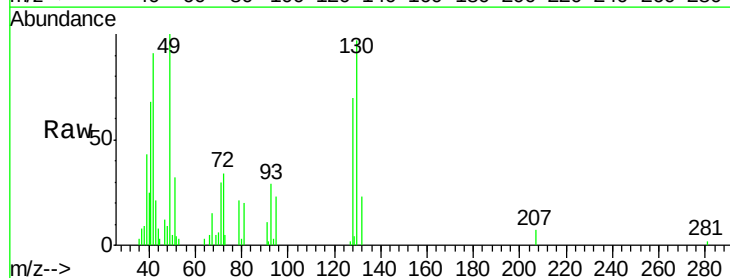
RT: 7.52 min Scan# 973

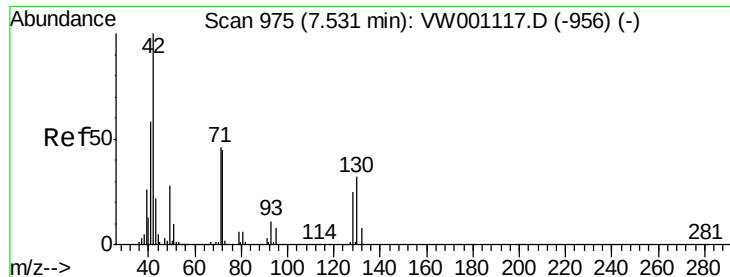
Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	49	Resp:	8647
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	2.6
130	92.7	75.5	113.3



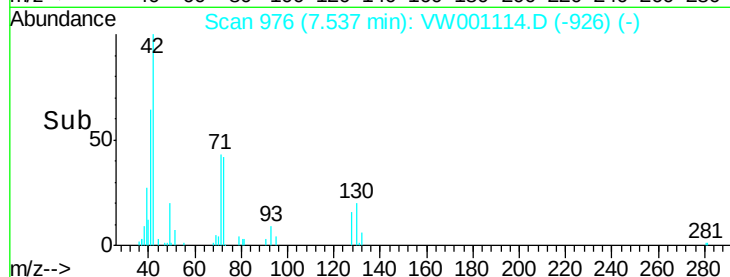
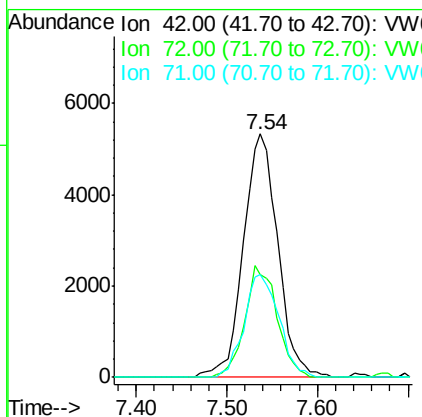
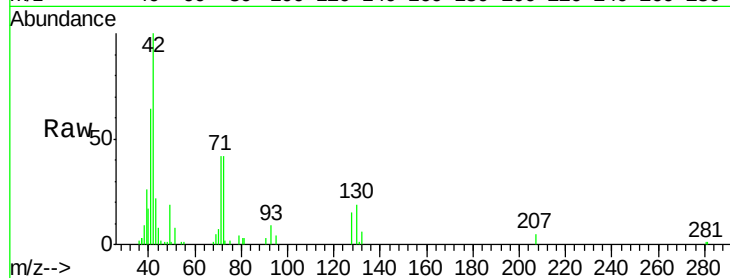


#29
Tetrahydrofuran
Concen: 27.38 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

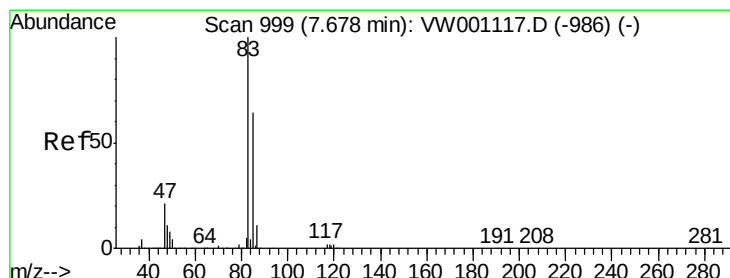
Tgt Ion:	42	Resp:	14035
Ion	Ratio	Lower	Upper
42	100		
72	42.8	36.8	55.2
71	42.9	35.1	52.7

Manual Integrations
APPROVED



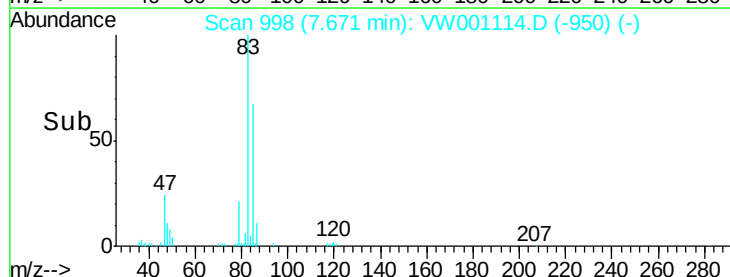
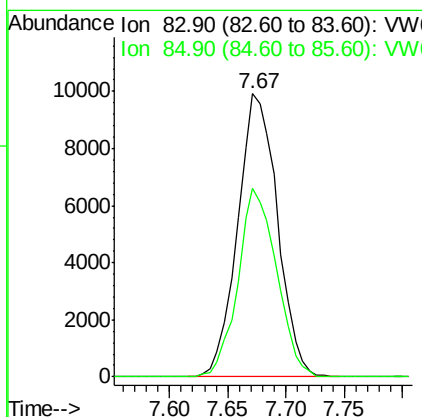
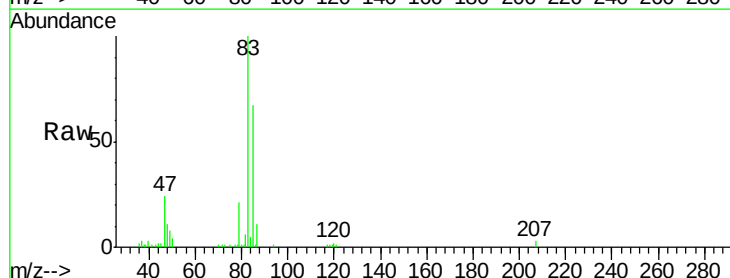
sam

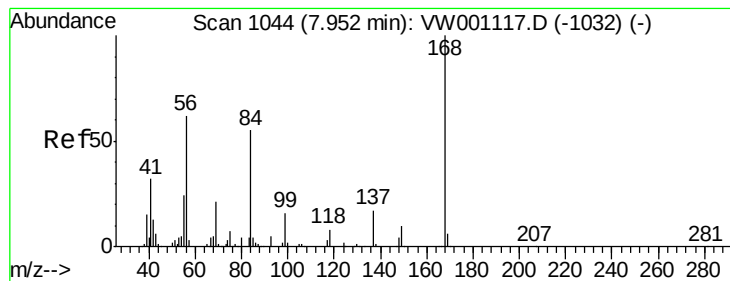
2/8/2018 12:26:58 PM



#30
Chloroform
Concen: 5.47 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:	83	Resp:	23564
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.4	77.2





#31

Cyclohexane

Concen: 6.22 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 24008

Ion Ratio Lower Upper

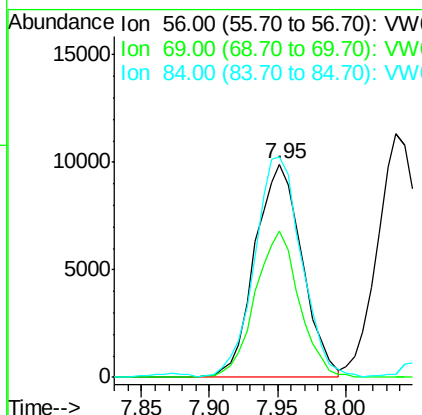
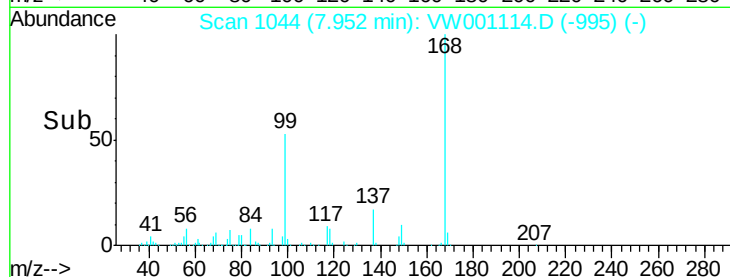
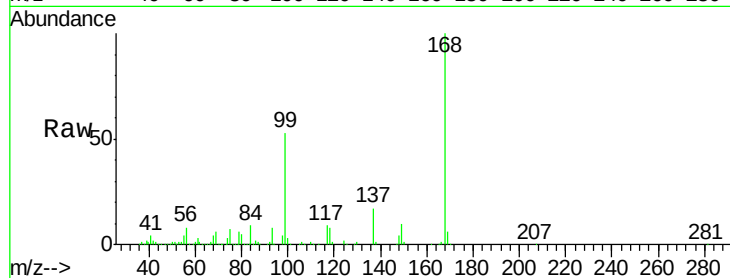
56 100

69 68.6 27.4 41.0#

84 101.9 71.1 106.7

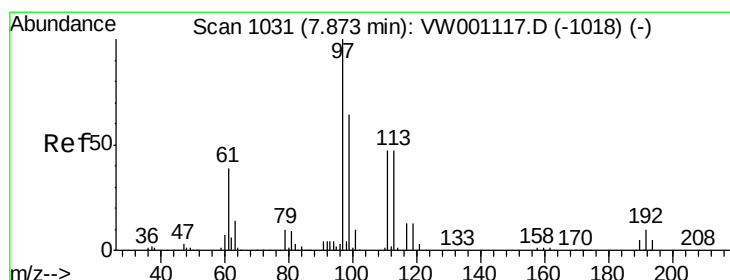
Manual Integrations

APPROVED



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#32

1,1,1-Trichloroethane

Concen: 5.42 ug/l

RT: 7.87 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

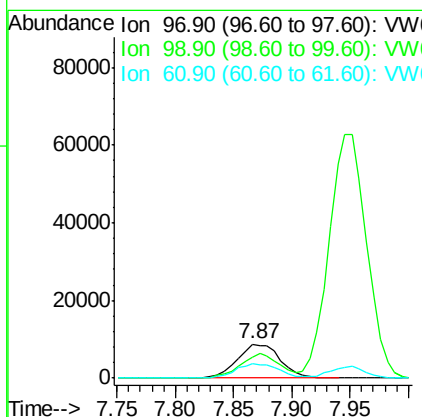
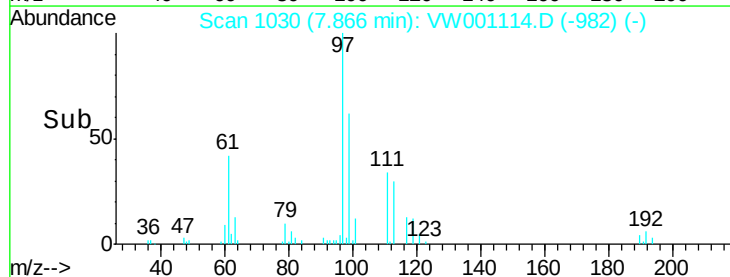
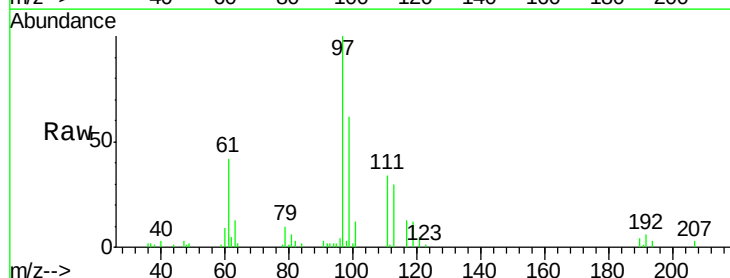
Tgt Ion: 97 Resp: 22108

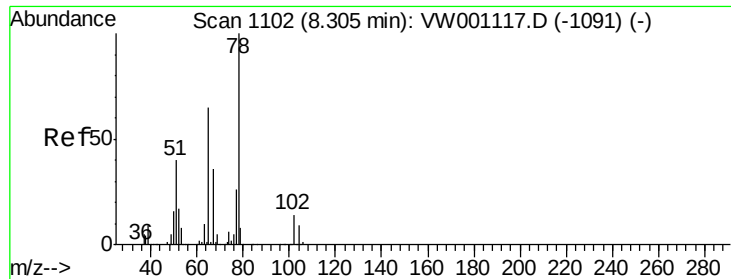
Ion Ratio Lower Upper

97 100

99 66.1 51.4 77.2

61 42.9 32.4 48.6



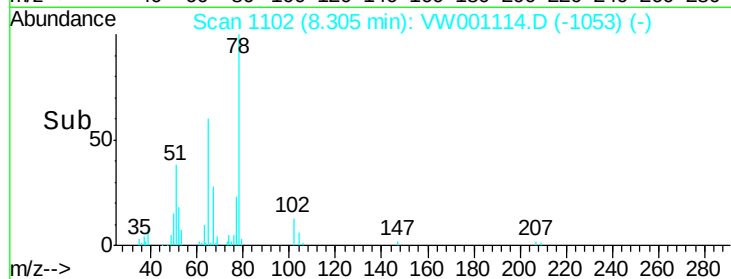
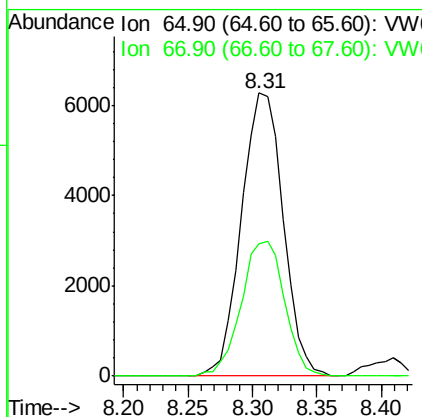
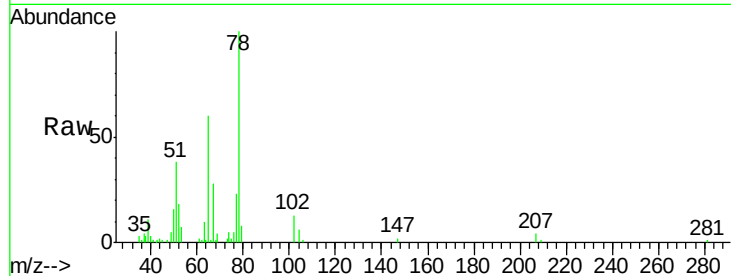


#33
 1,2-Dichloroethane-d4
 Concen: 5.41 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

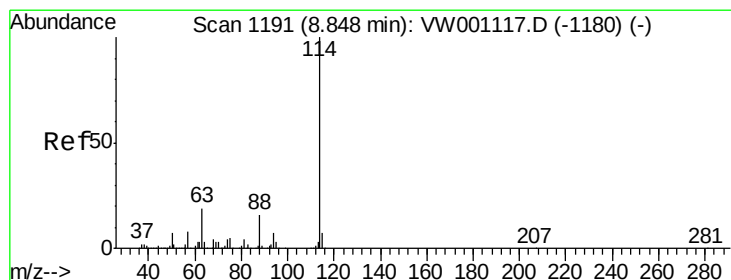
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	14070		
67	49.4	0.0	104.2	

Manual Integrations
 APPROVED



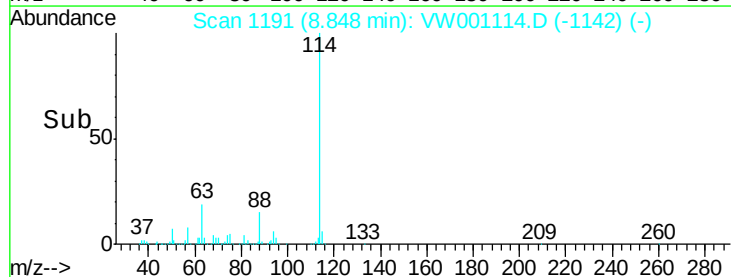
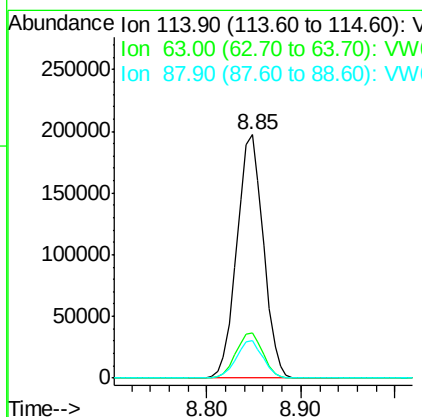
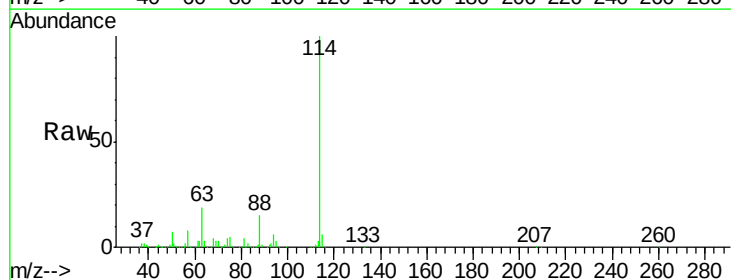
sam

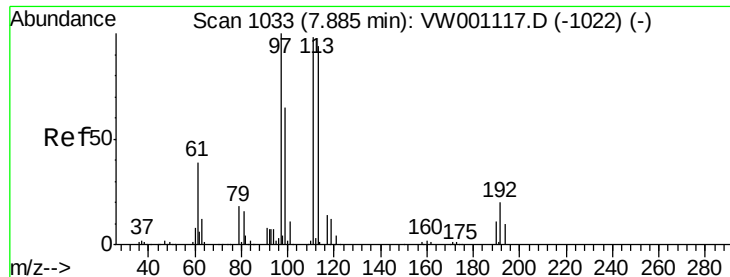
2/8/2018 12:26:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	384663		
63	18.8	0.0	38.2	
88	15.3	0.0	31.0	



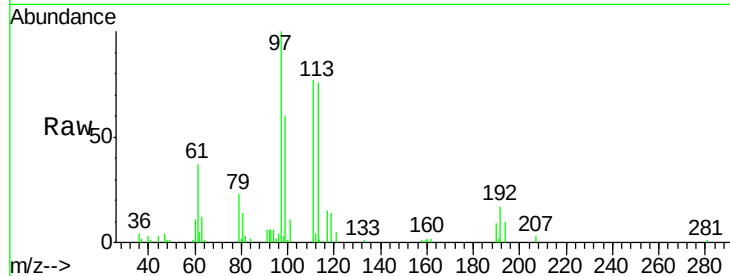


#35
 Dibromofluoromethane
 Concen: 5.18 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

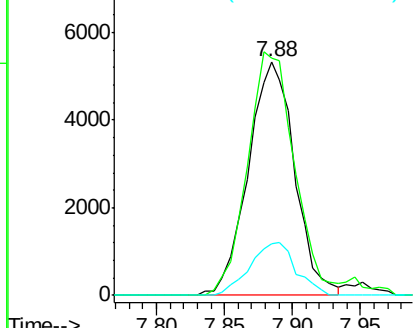
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.6	83.1	124.7
192	22.4	17.8	26.6

Manual Integrations
 APPROVED

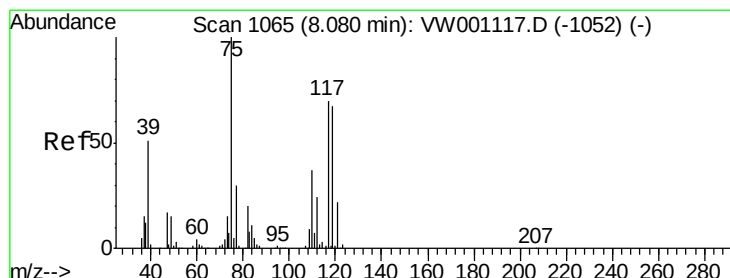
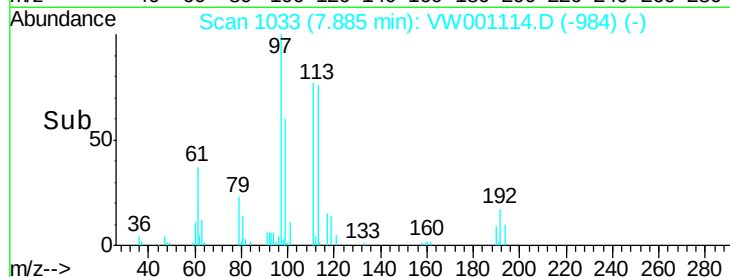


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V



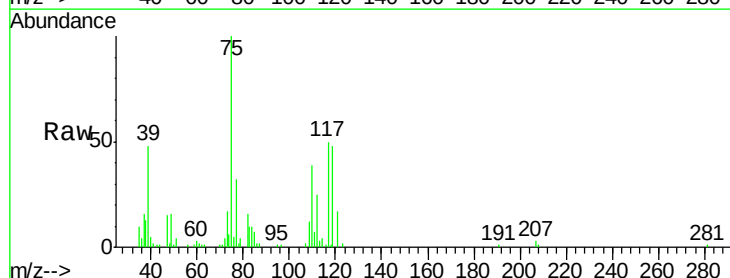
sam

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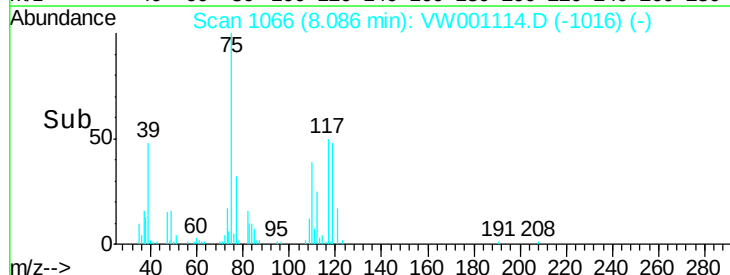
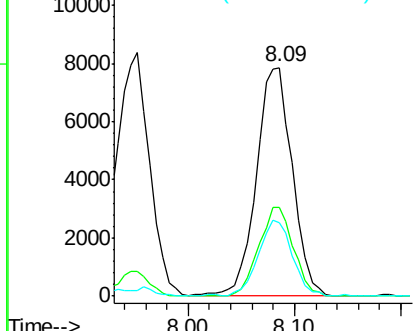


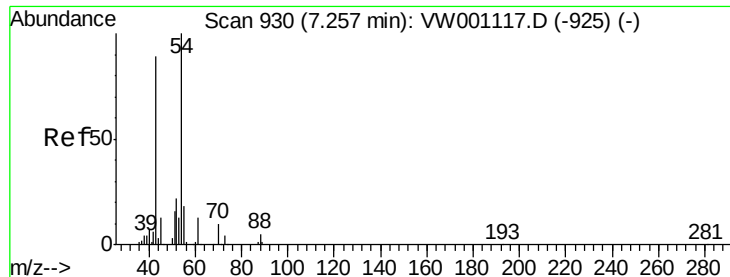
#36
 1,1-Dichloropropene
 Concen: 5.35 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.3	18.7	56.1
77	31.3	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW



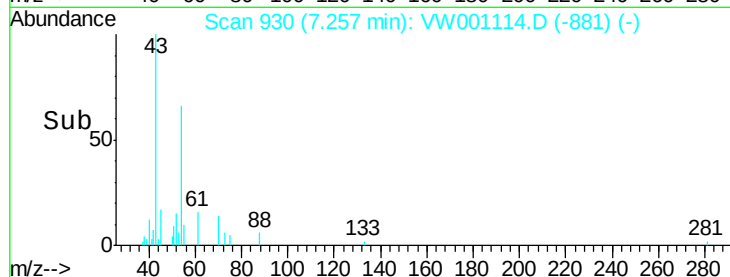
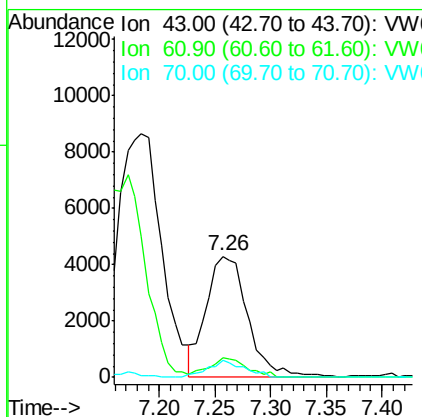
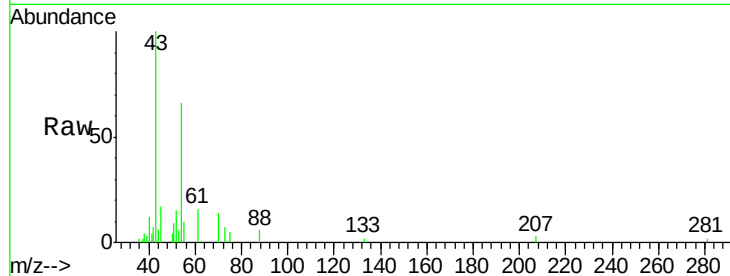


#37
Ethyl Acetate
Concen: 6.12 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

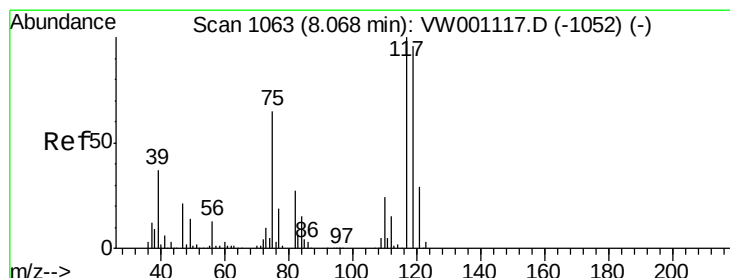
Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.9	17.9
70	11.9	9.4	14.0

Manual Integrations
APPROVED



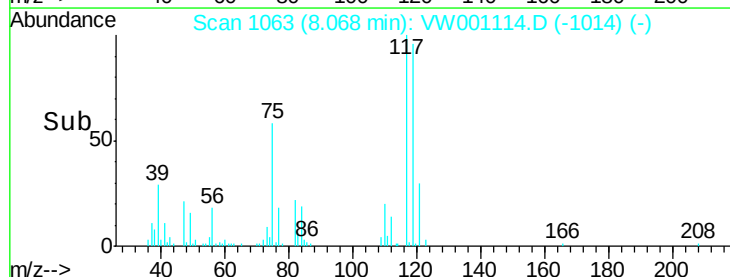
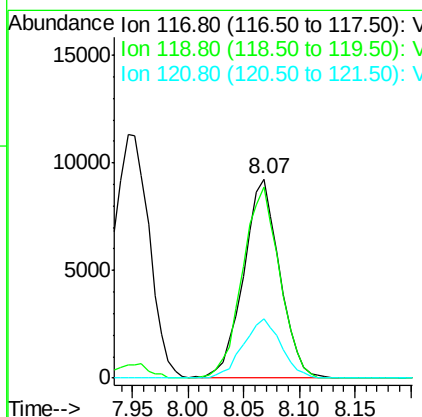
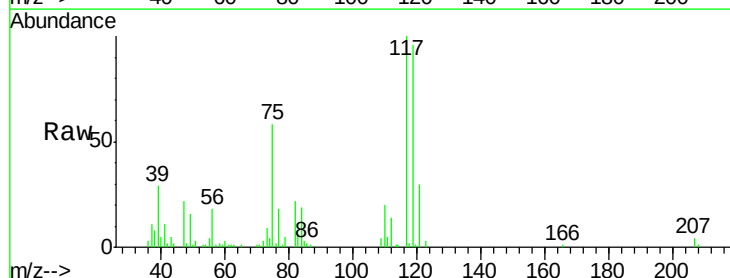
sam

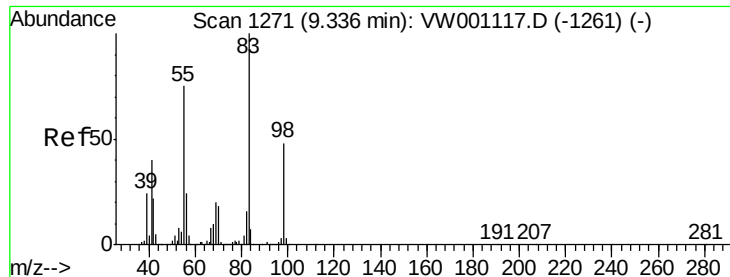
2/8/2018 12:26:58 PM



#38
Carbon Tetrachloride
Concen: 5.39 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.0	115.4
121	29.8	23.5	35.3



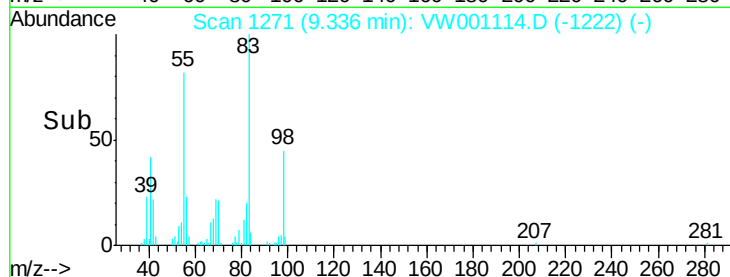
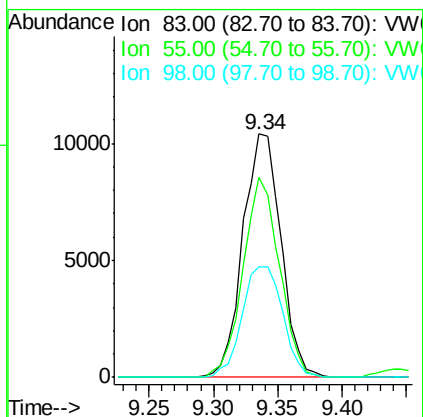
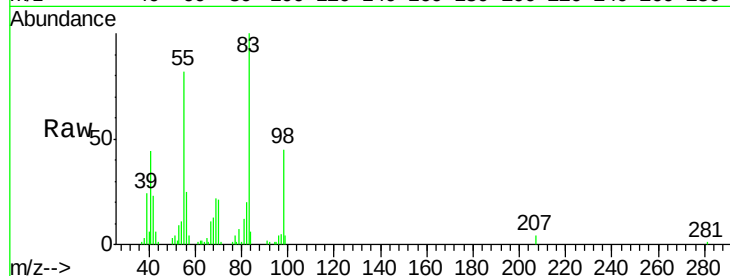


#39
Methylcyclohexane
Concen: 5.18 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

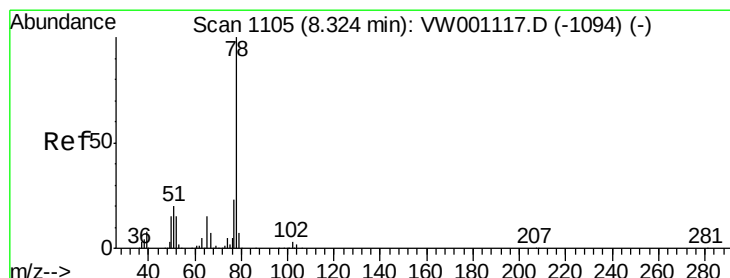
Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.2	59.7	89.5
98	45.3	38.0	57.0

Manual Integrations
APPROVED



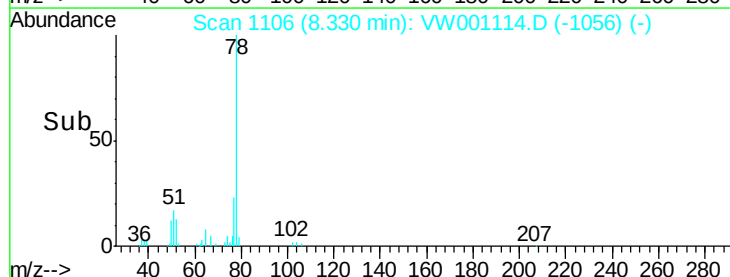
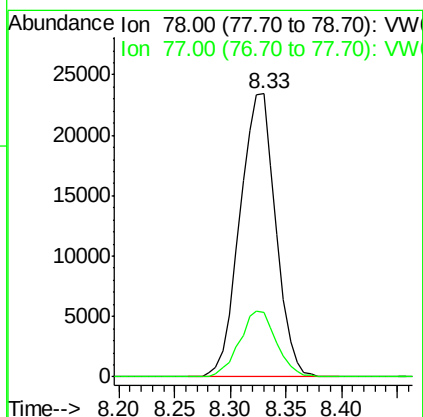
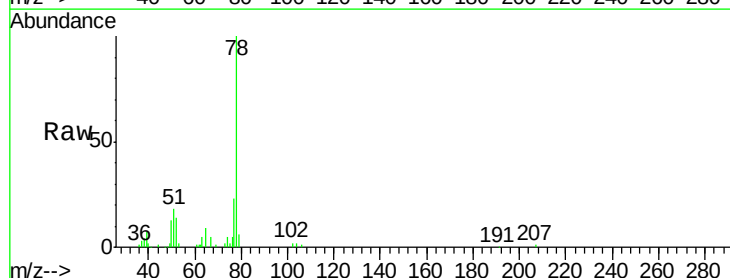
sam

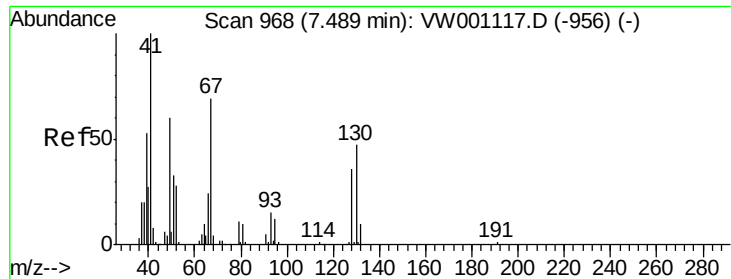
2/8/2018 12:26:58 PM



#40
Benzene
Concen: 5.44 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0



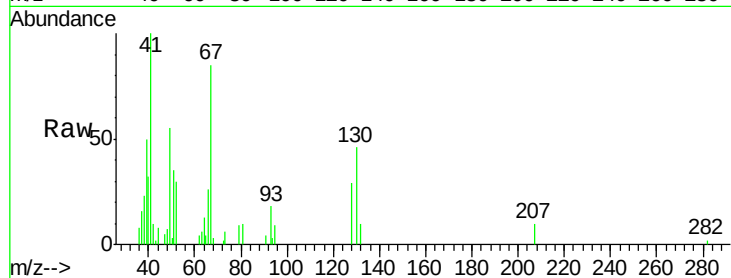


#41
Methacrylonitrile
Concen: 5.30 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

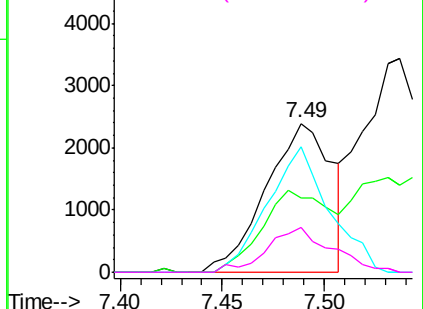
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.6	48.8	73.2
67	78.9	59.6	89.4
52	29.4	24.6	37.0

Manual Integrations
APPROVED

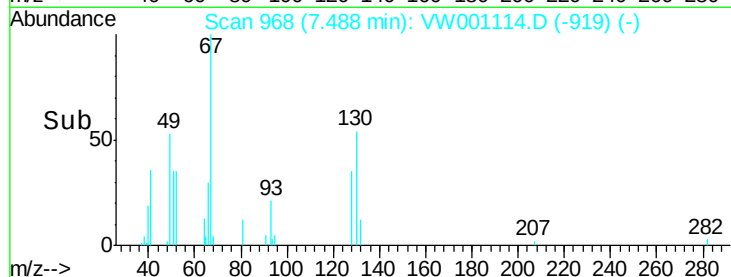


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



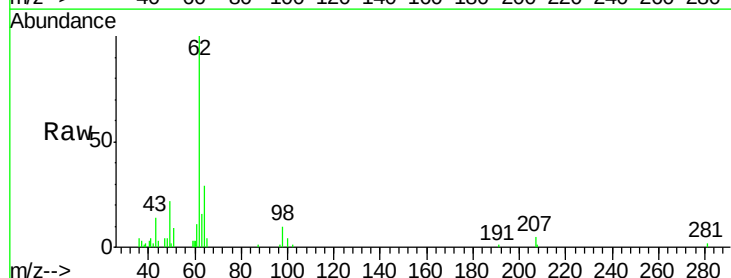
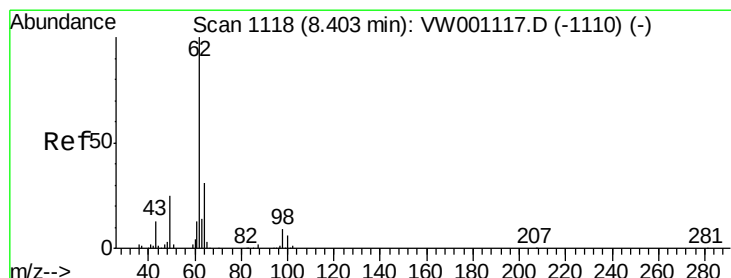
sam

2/8/2018 12:26:58 PM

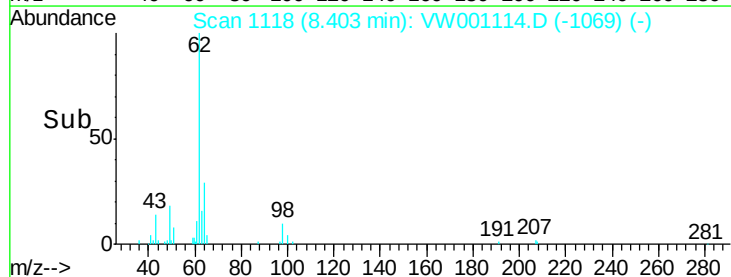
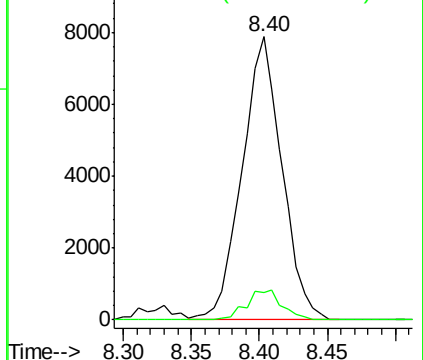


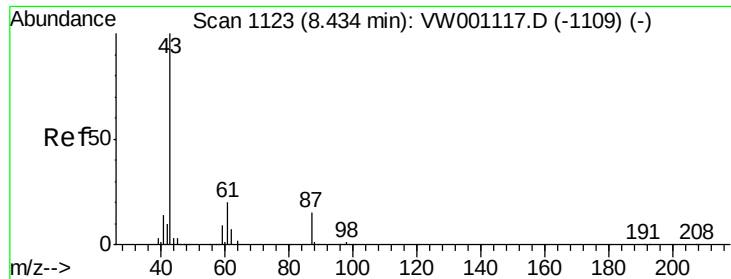
#42
1,2-Dichloroethane
Concen: 5.34 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 4.93 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

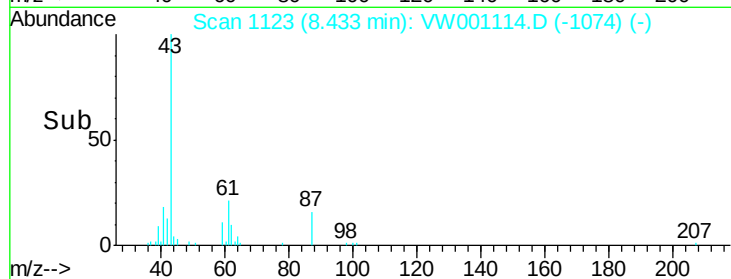
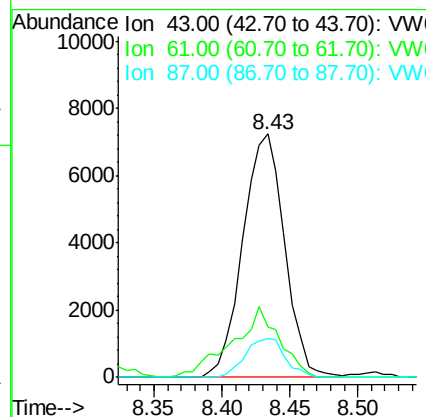
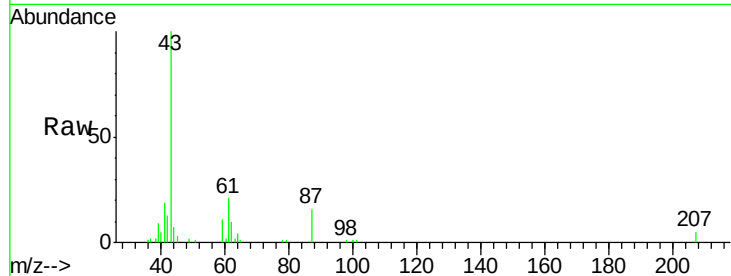
MSVOA_W

ClientSampleId :

VSTDIC005

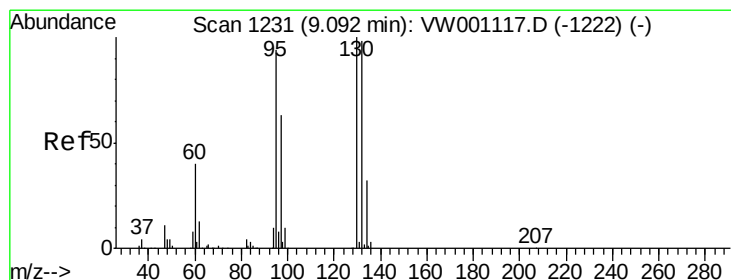
Tgt Ion:	43	Resp:	15558
Ion	Ratio	Lower	Upper
43	100		
61	32.7	23.9	35.9
87	15.3	12.0	18.0

Manual Integrations
APPROVED



sam

2/8/2018 12:26:58 PM



#44

Trichloroethene

Concen: 5.65 ug/l

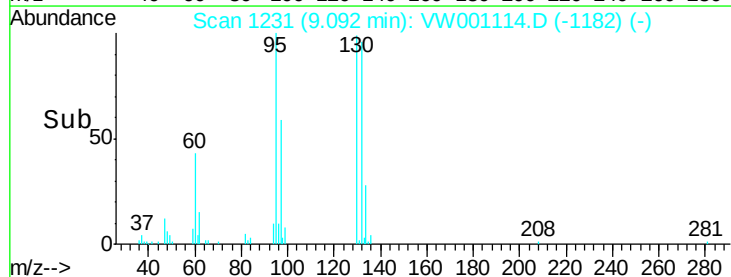
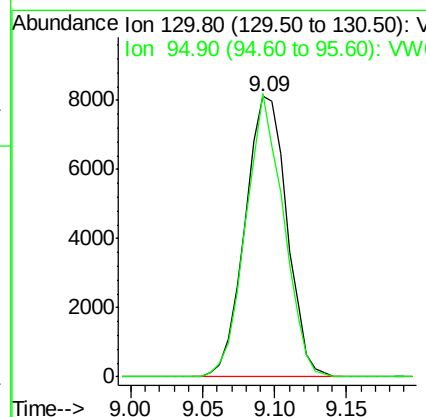
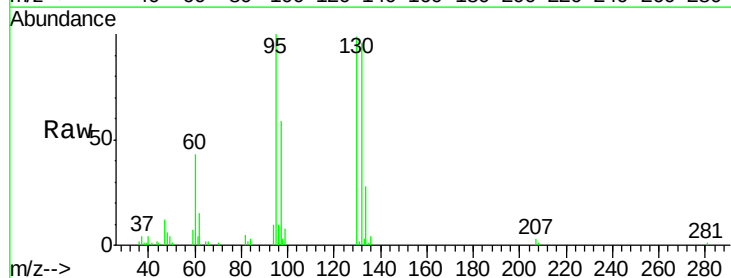
RT: 9.09 min Scan# 1231

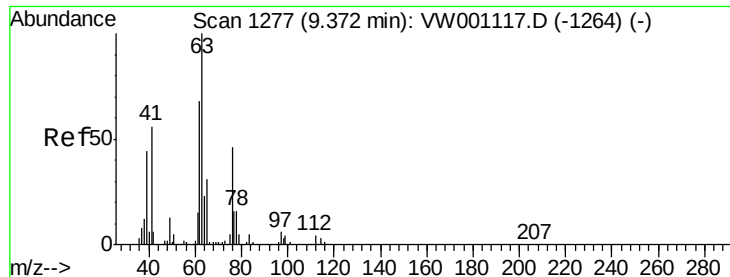
Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	130	Resp:	16315
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	189.0



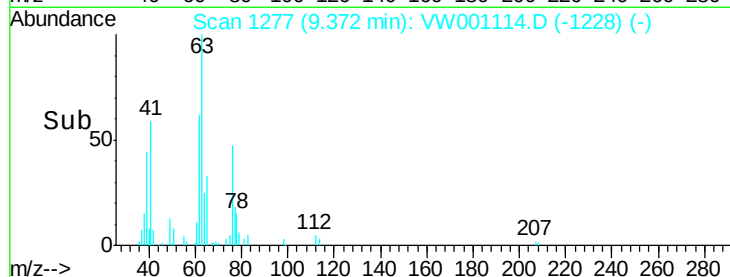
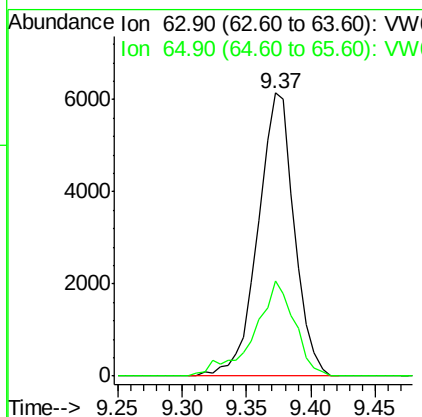
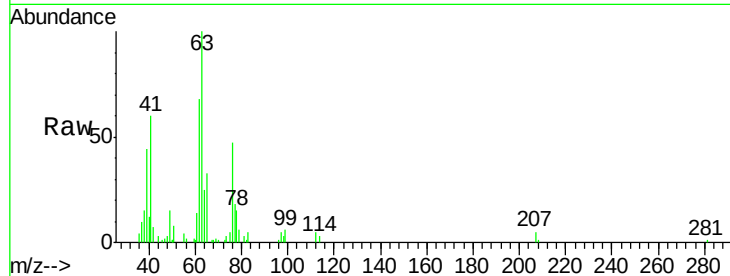


#45
 1,2-Dichloropropane
 Concen: 5.18 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

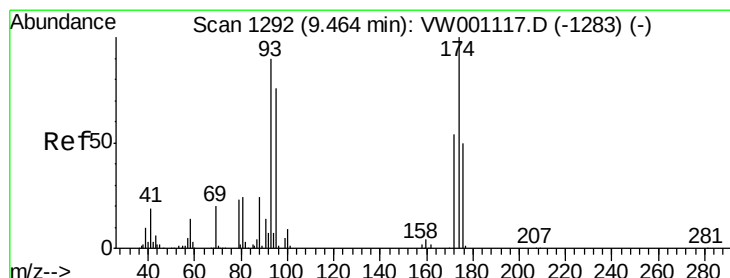
Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.0	37.4

Manual Integrations
 APPROVED



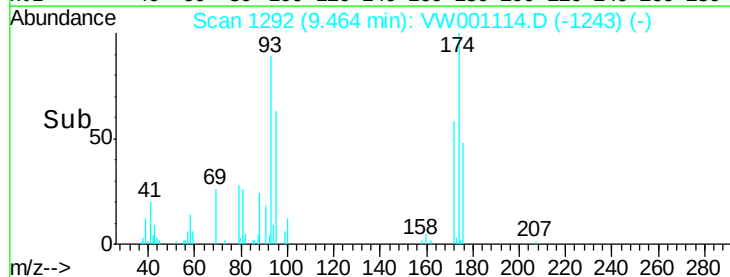
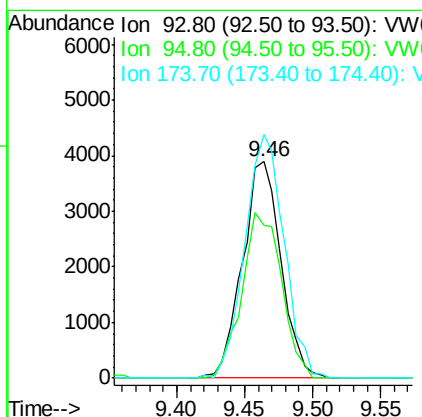
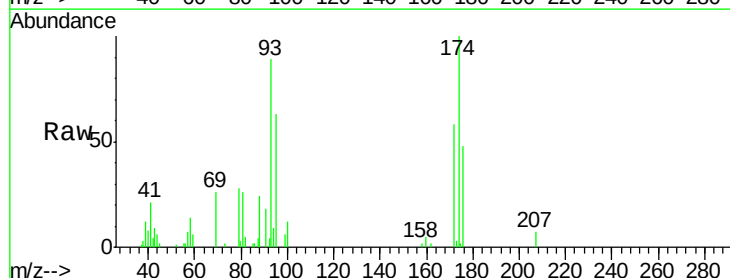
sam

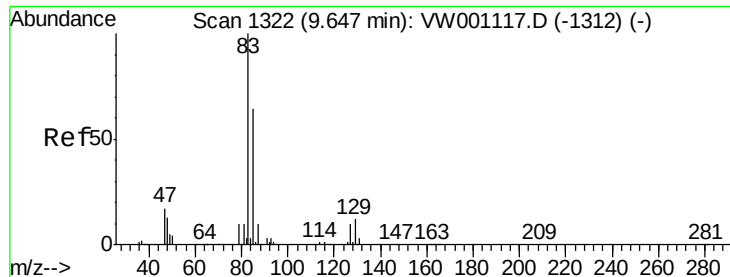
2/8/2018 12:26:58 PM



#46
 Dibromomethane
 Concen: 5.34 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	78.6	66.5	99.7
174	114.4	89.5	134.3



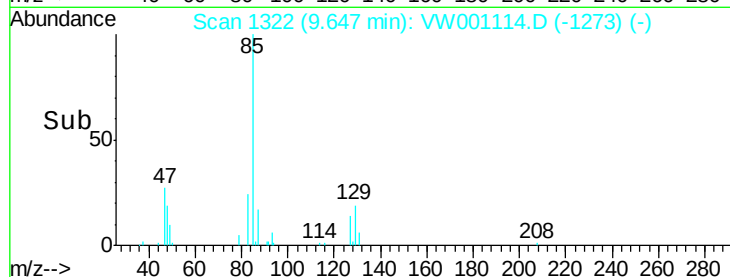
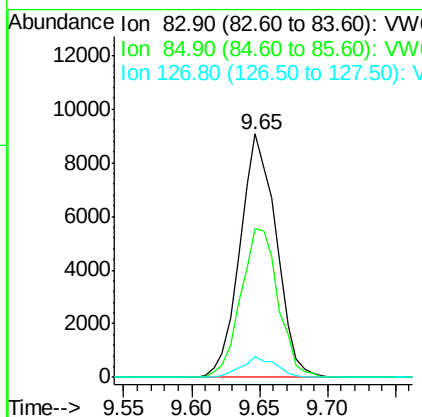
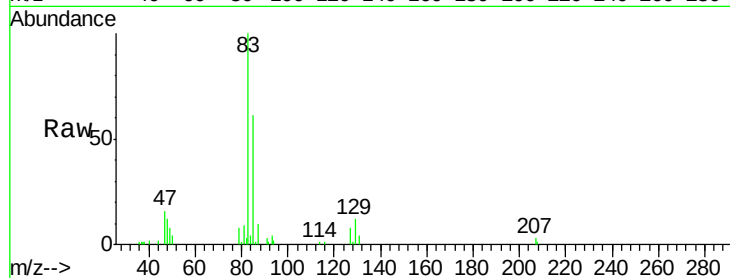


#47
Bromodichloromethane
Concen: 5.15 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

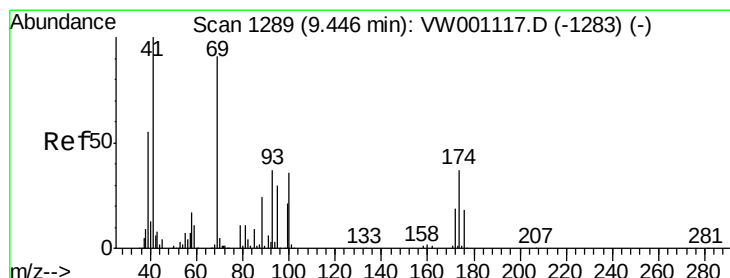
Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.5	77.3
127	8.4	7.6	11.4

Manual Integrations
APPROVED



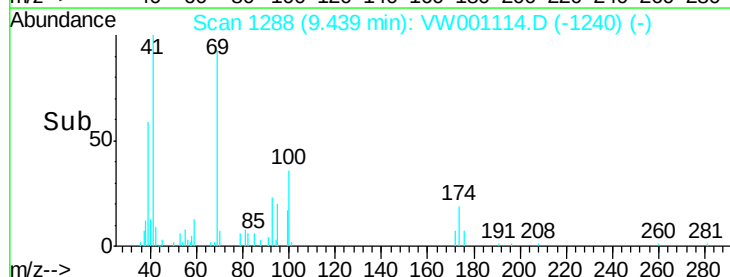
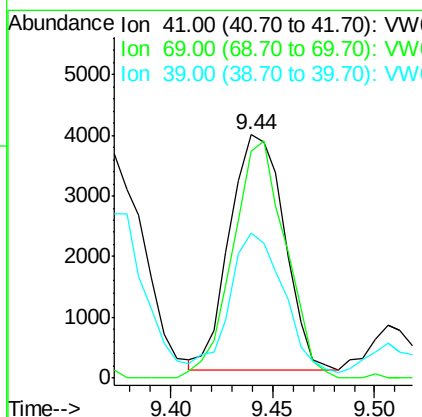
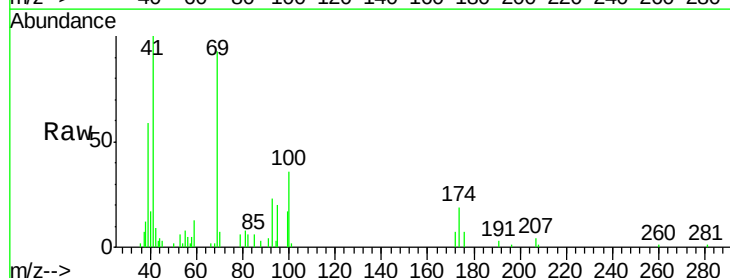
sam

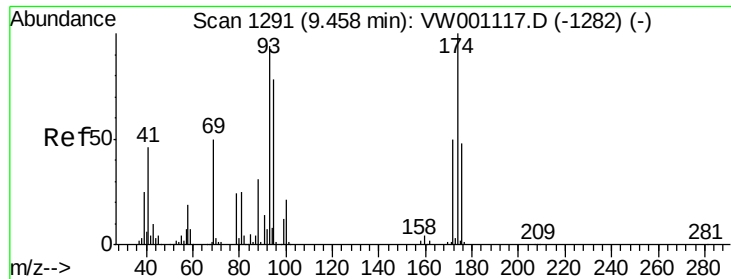
2/8/2018 12:26:58 PM



#48
Methyl methacrylate
Concen: 4.75 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	98.0	74.9	112.3
39	63.7	47.6	71.4



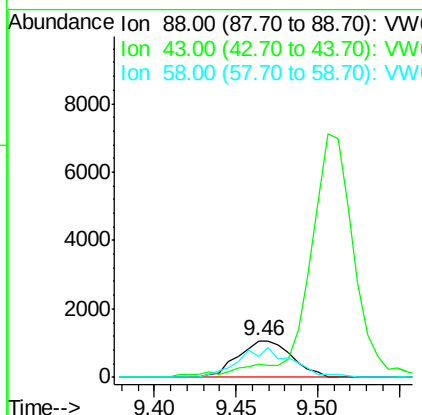
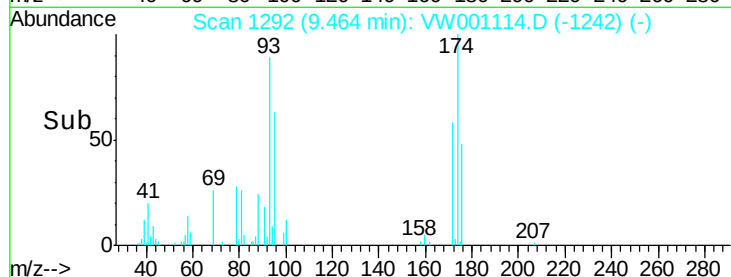
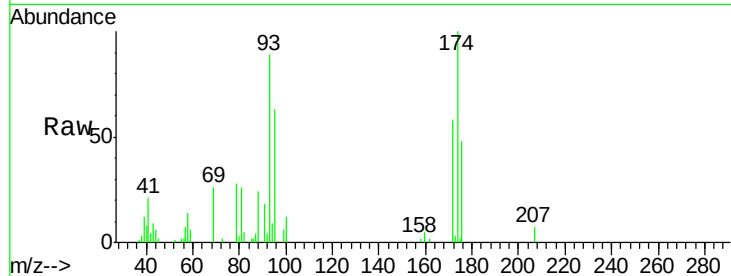


#49
1,4-Dioxane
Concen: 95.58 ug/l
RT: 9.46 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

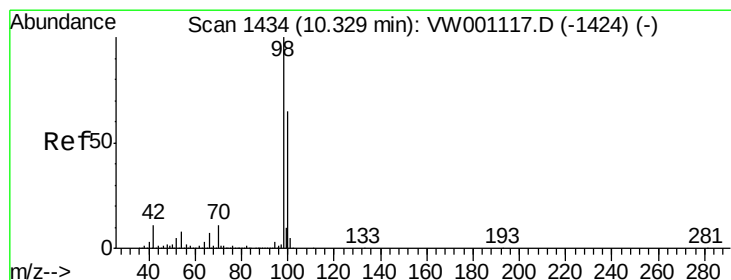
Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.0	34.6#
58	81.1	53.9	80.9#

Manual Integrations
APPROVED



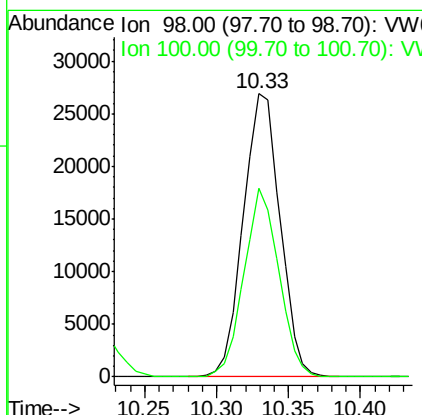
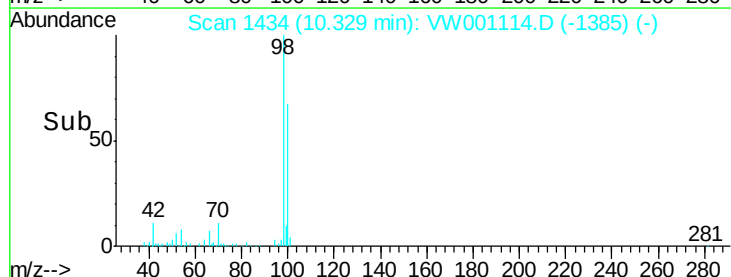
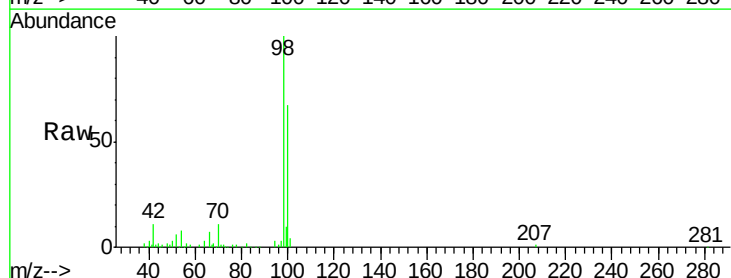
sam

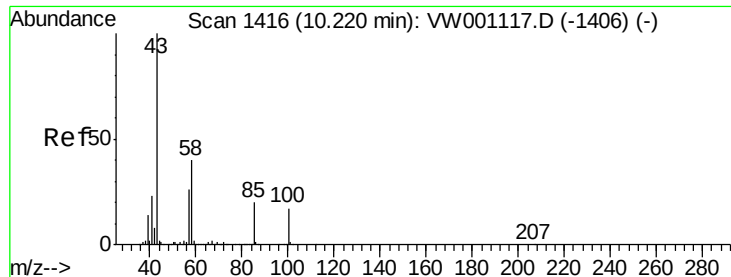
2/8/2018 12:26:58 PM



#50
Toluene-d8
Concen: 5.02 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.3	76.9



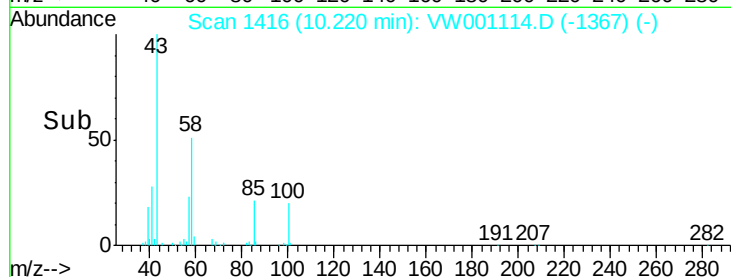
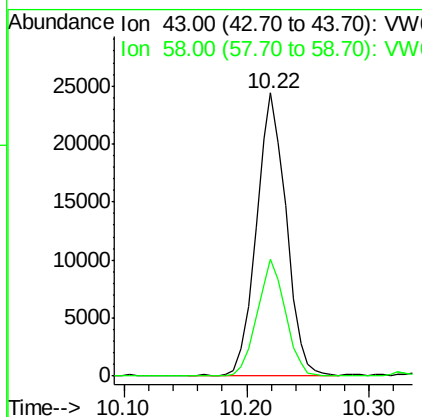
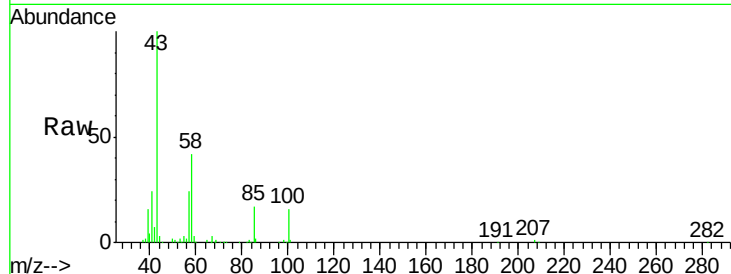


#51
 4-Methyl-2-Pentanone
 Concen: 23.99 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

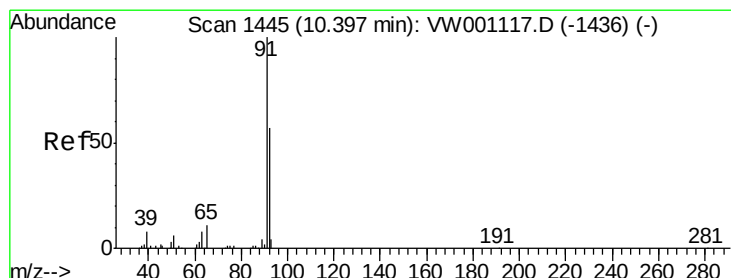
Tgt Ion: 43 Resp: 41407
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.1 48.1

Manual Integrations
 APPROVED



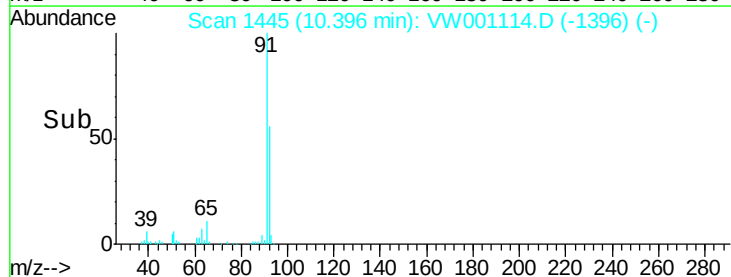
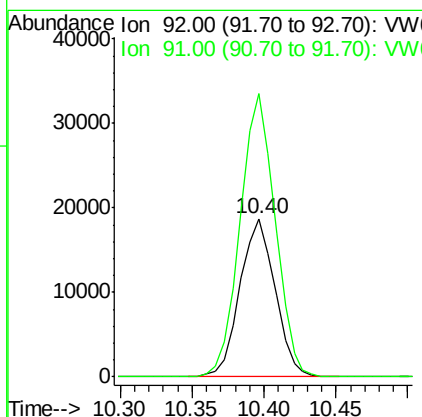
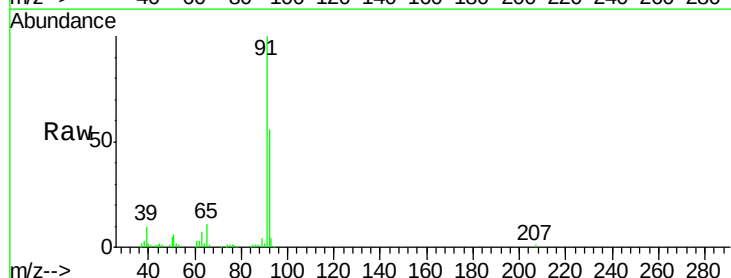
sam

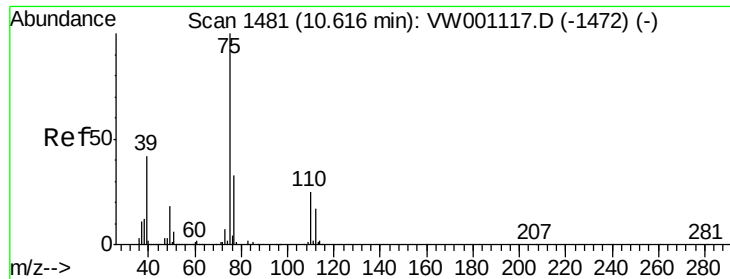
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#52
 Toluene
 Concen: 5.15 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 92 Resp: 31815
 Ion Ratio Lower Upper
 92 100
 91 177.7 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 4.82 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

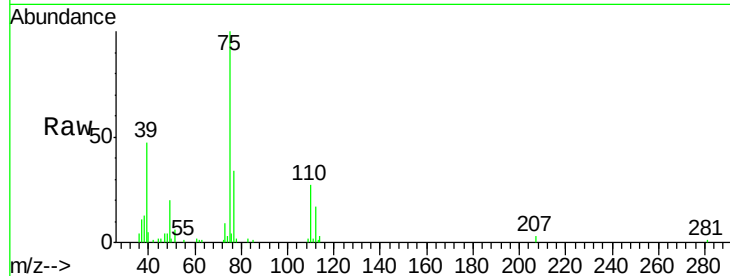
Tgt Ion: 75 Resp: 15939

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

Manual Integrations
APPROVED



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.61

10000

8000

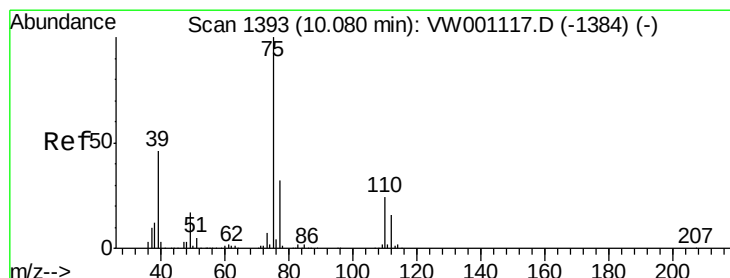
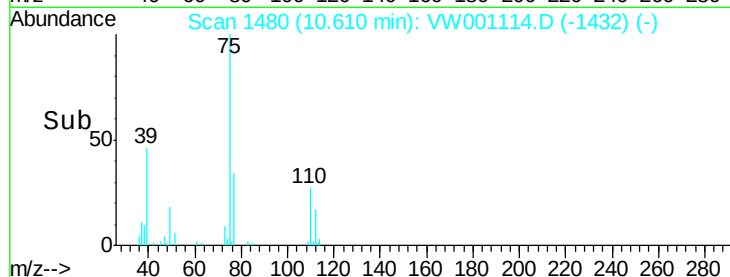
6000

4000

2000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.98 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion: 75 Resp: 18385

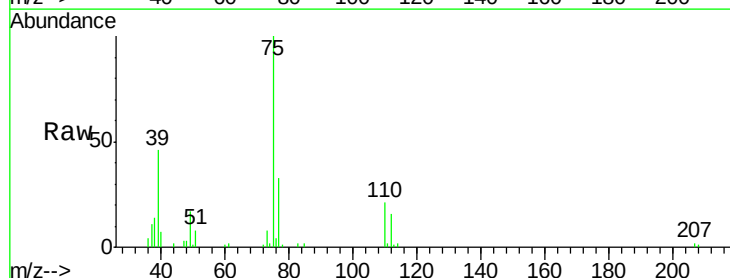
Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3

39 45.5 37.0 55.4

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

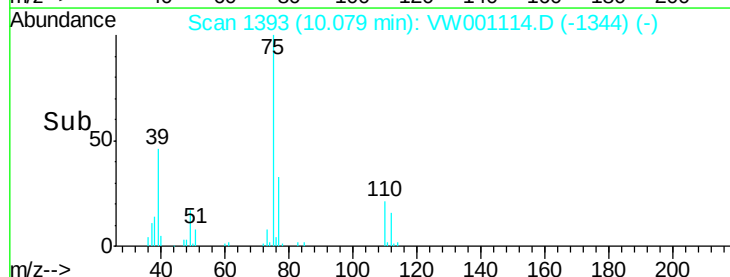
10.08

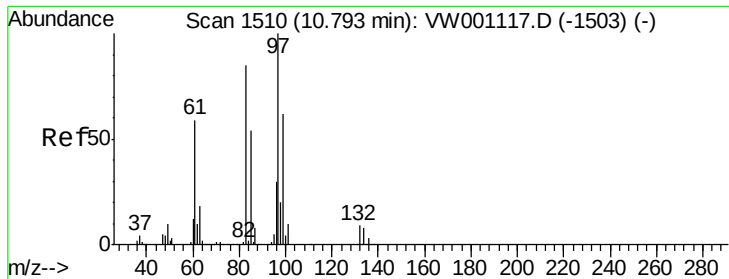
10000

5000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 5.28 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

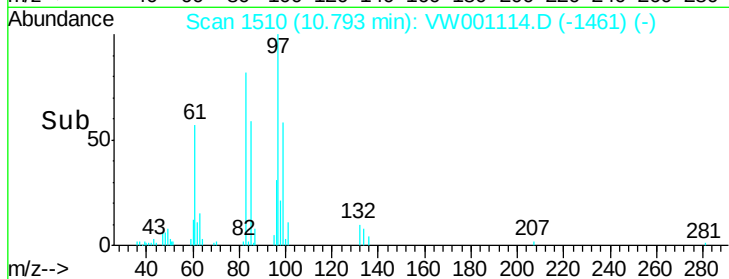
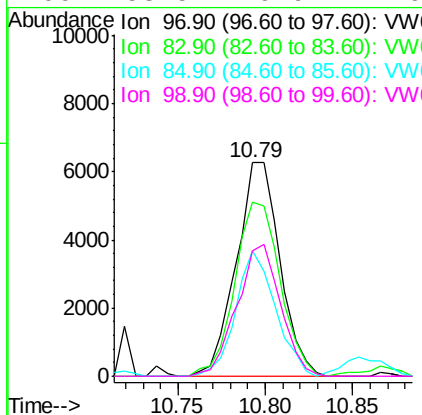
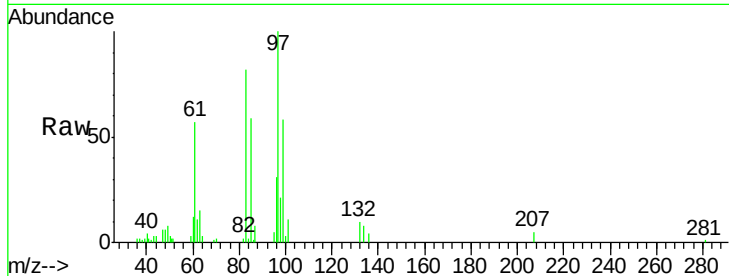
MSVOA_W

ClientSampleId :

VSTDIC005

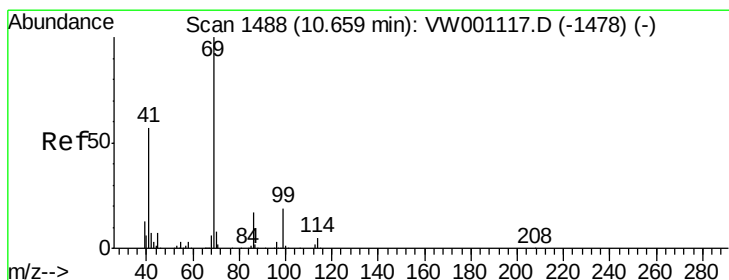
Tgt Ion:	97	Resp:	10900
Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.7	101.5
85	58.7	43.0	64.6
99	58.5	49.9	74.9

Manual Integrations
APPROVED



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#56

Ethyl methacrylate

Concen: 4.44 ug/l

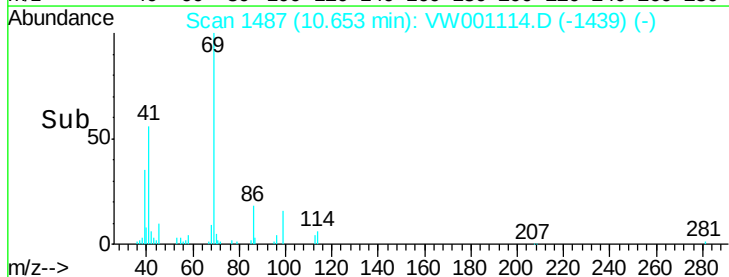
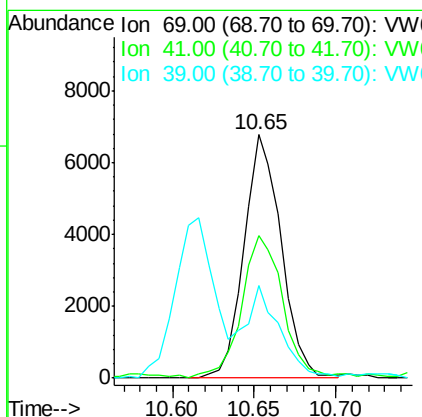
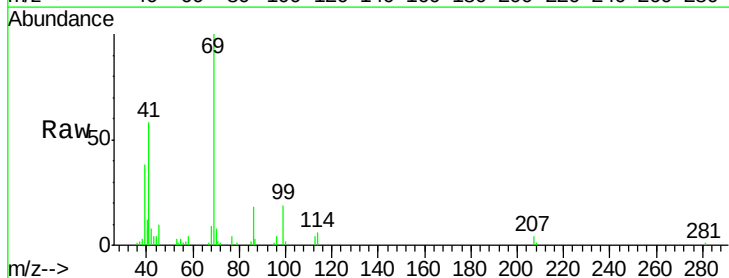
RT: 10.65 min Scan# 1487

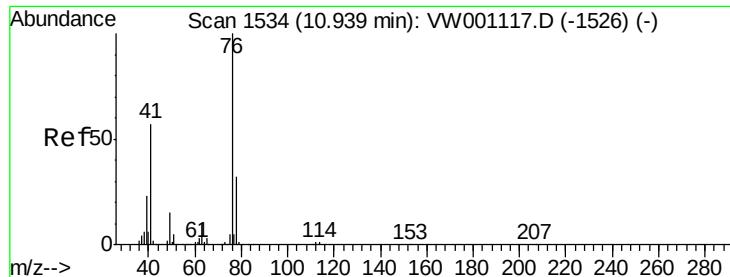
Delta R.T. -0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	69	Resp:	10736
Ion	Ratio	Lower	Upper
69	100		
41	65.2	50.6	75.8
39	36.0	27.5	41.3



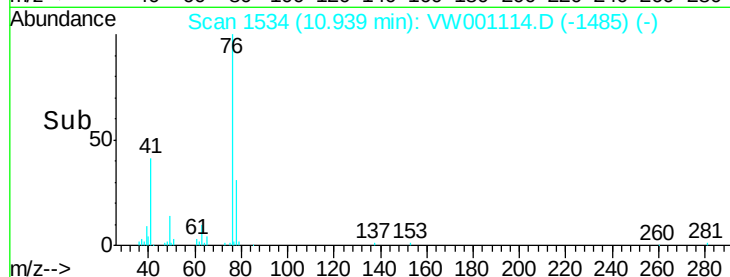
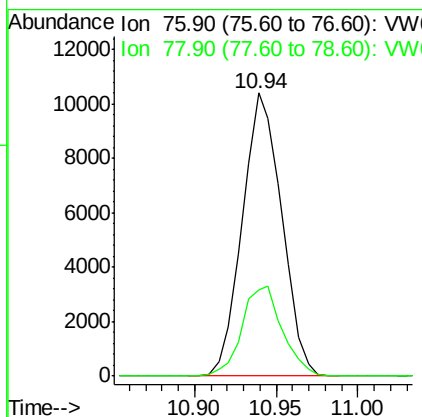
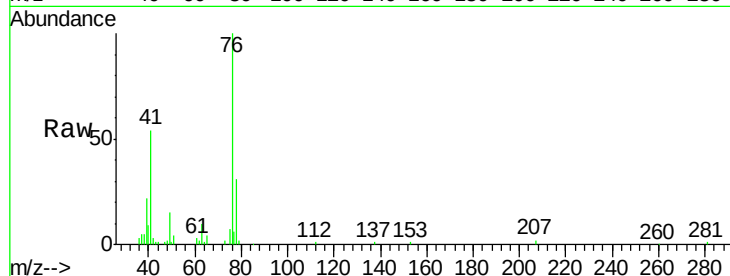


#57
 1,3-Dichloropropane
 Concen: 5.21 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

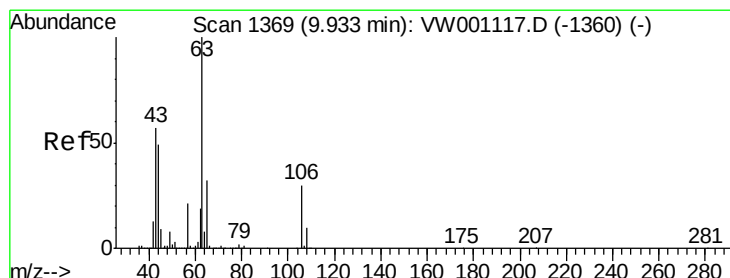
Tgt Ion: 76 Resp: 17467
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

Manual Integrations
 APPROVED



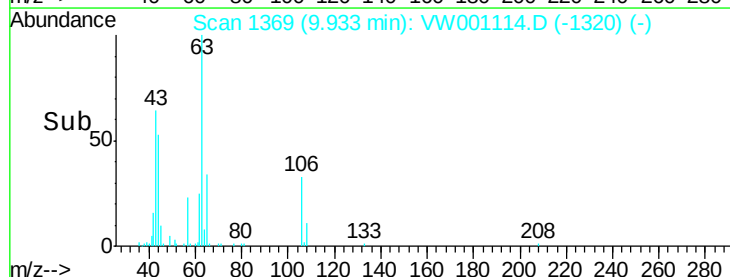
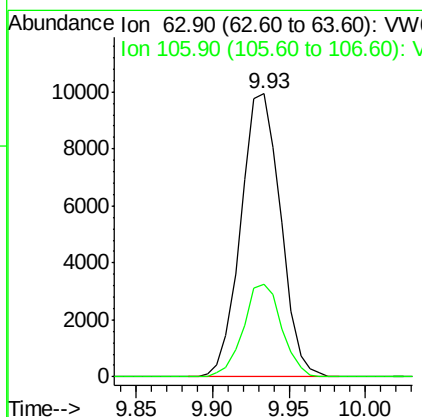
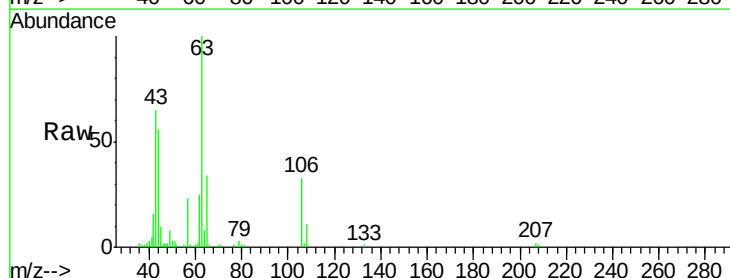
sam

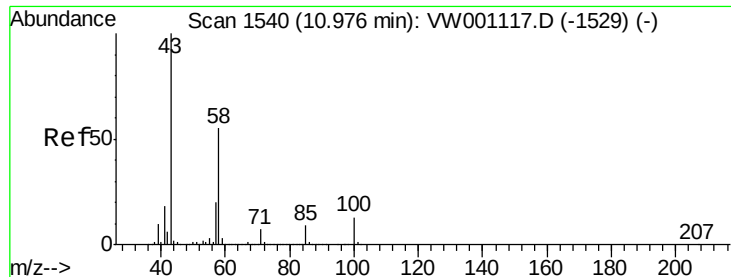
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#58
 2-Chloroethyl Vinyl ether
 Concen: 33.54 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 63 Resp: 17980
 Ion Ratio Lower Upper
 63 100
 106 31.4 24.2 36.4



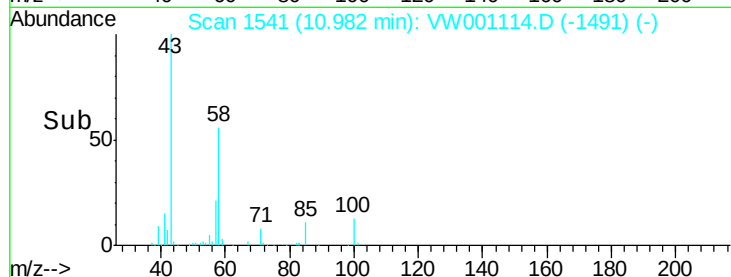
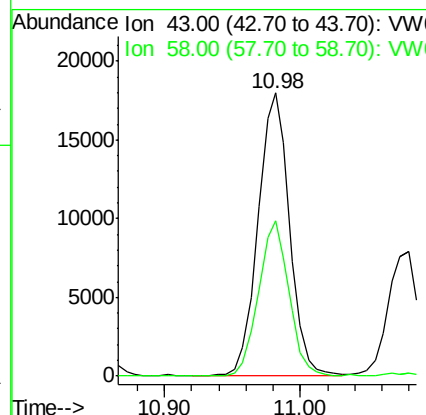
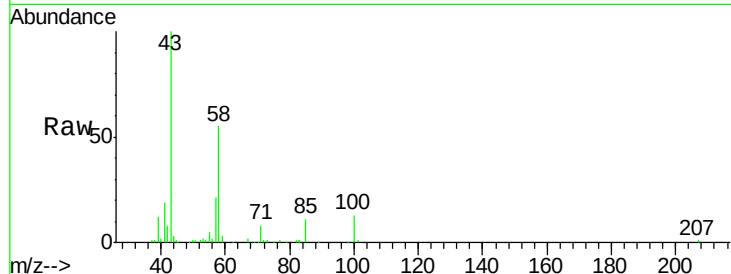


#59
2-Hexanone
Concen: 22.37 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

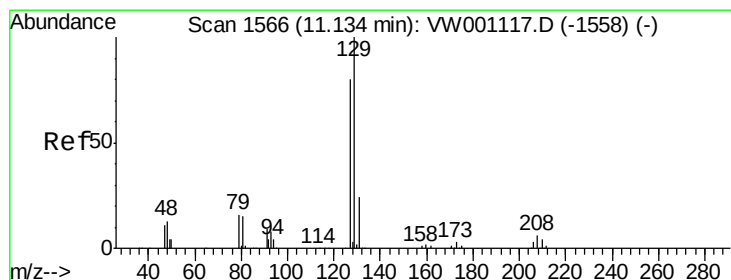
Tgt Ion: 43 Resp: 29206
Ion Ratio Lower Upper
43 100
58 52.9 27.7 83.0

Manual Integrations
APPROVED



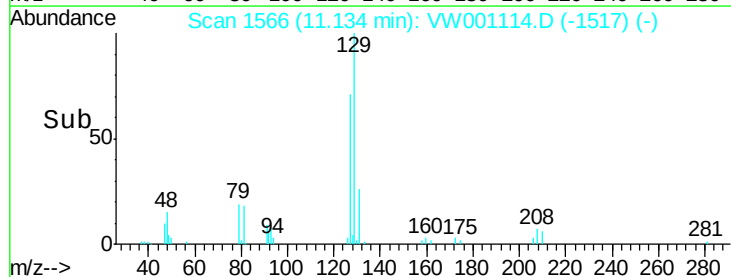
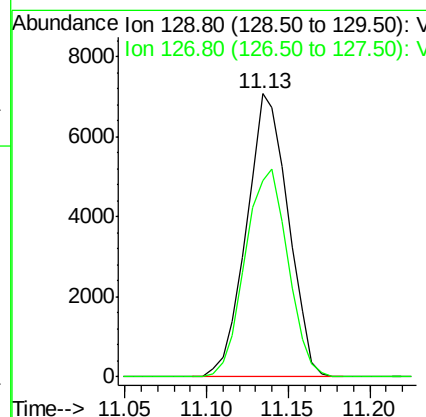
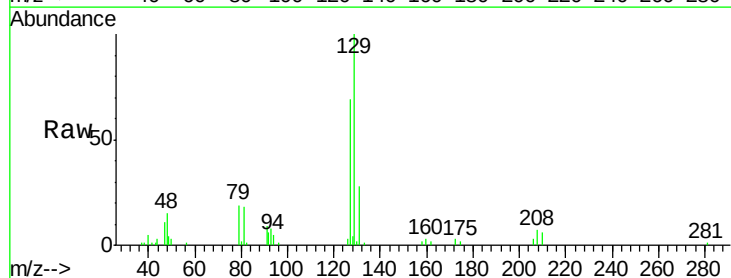
sam

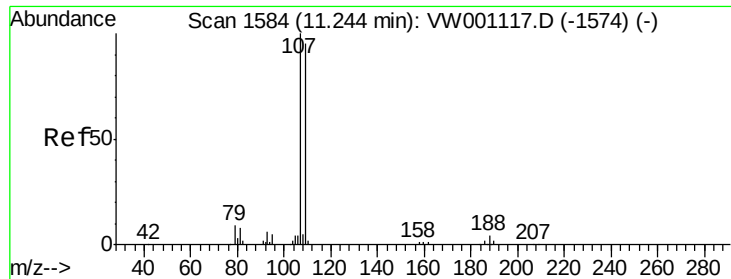
2/8/2018 12:26:58 PM



#60
Dibromochloromethane
Concen: 5.00 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 129 Resp: 12582
Ion Ratio Lower Upper
129 100
127 75.2 38.5 115.5



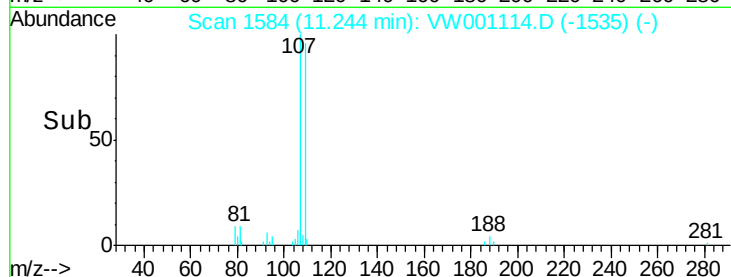
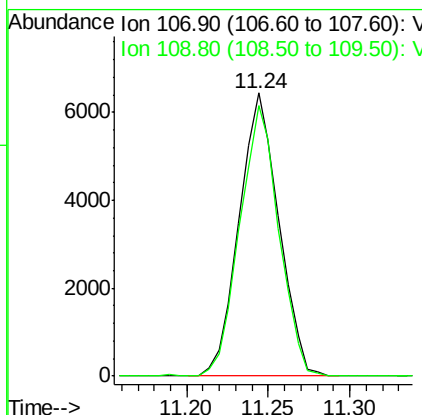
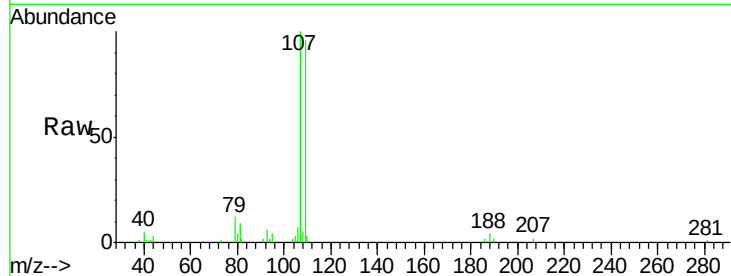


#61
 1,2-Dibromoethane
 Concen: 5.25 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

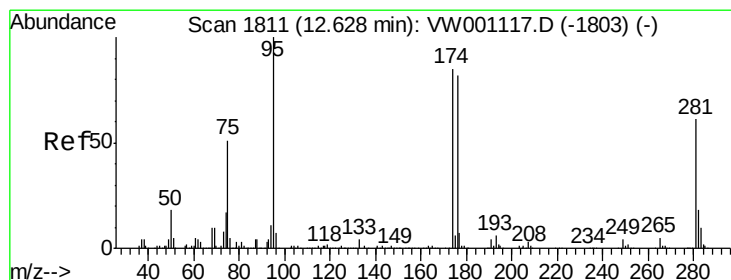
Tgt Ion: 107 Resp: 10922
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.8 113.8

Manual Integrations
 APPROVED



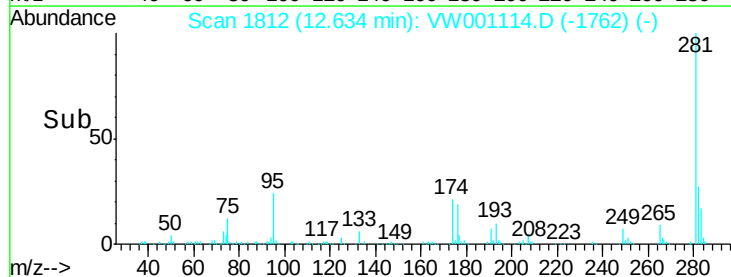
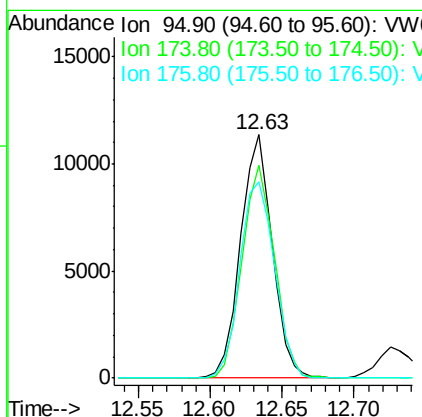
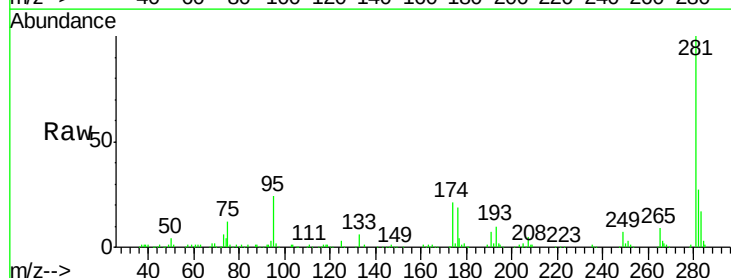
sam

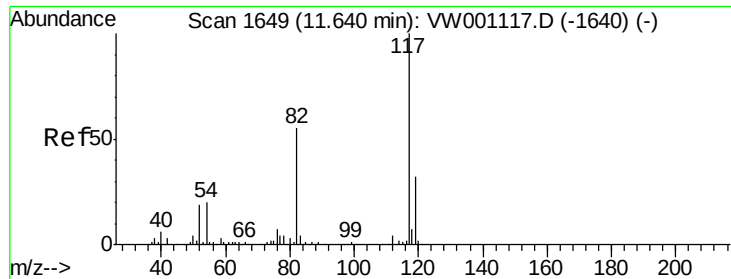
2/8/2018 12:26:58 PM



#62
 4-Bromofluorobenzene
 Concen: 4.98 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 95 Resp: 17362
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 179.6
 176 88.0 0.0 174.4



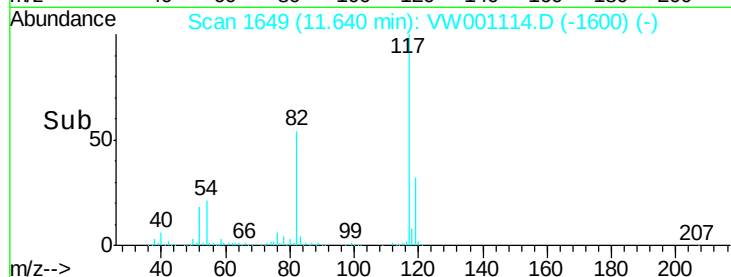
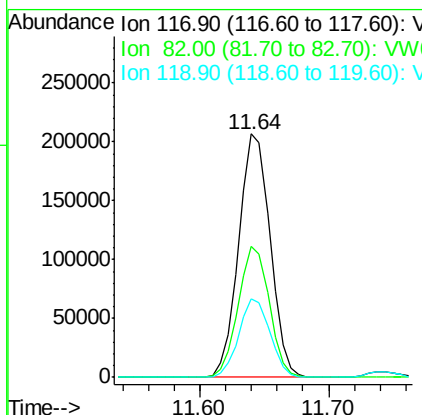
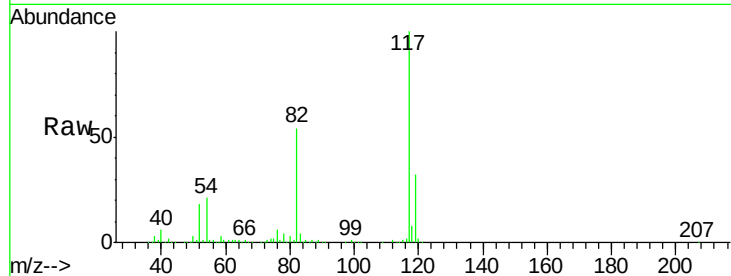


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

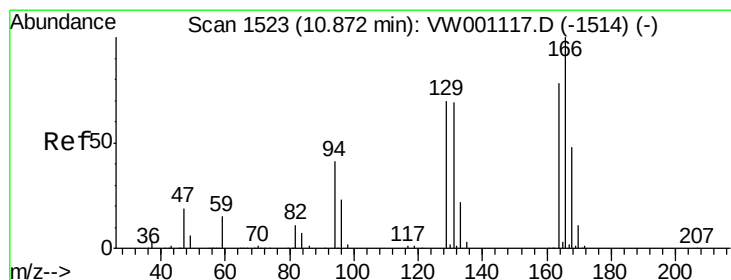
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	349405		
82	53.7	43.8	65.8	
119	32.0	25.8	38.8	

Manual Integrations
APPROVED



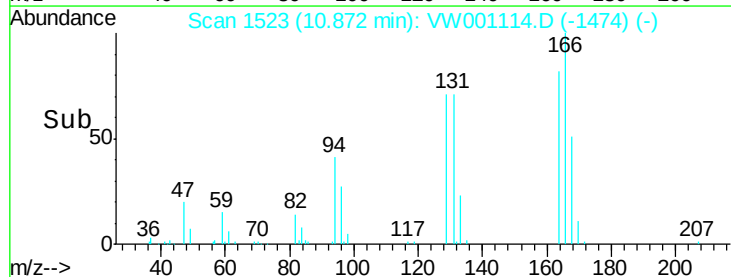
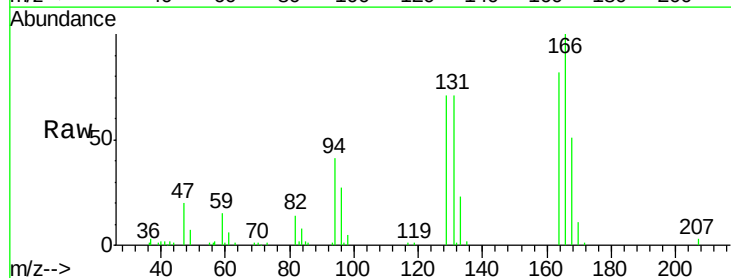
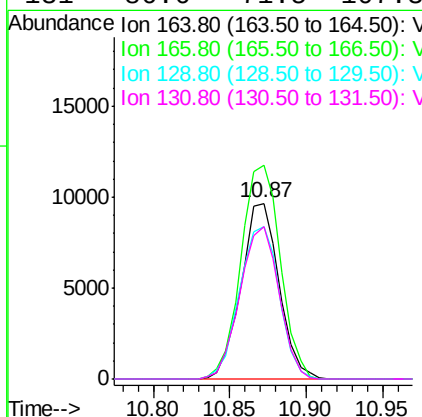
sam

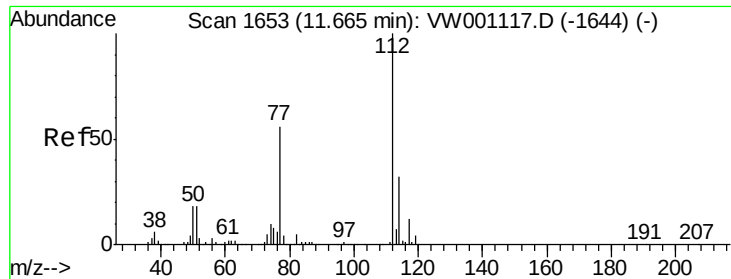
2/8/2018 12:26:58 PM



#64
Tetrachloroethene
Concen: 5.93 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16648		
166	121.5	103.1	154.7	
129	86.7	72.3	108.5	
131	86.6	71.5	107.3	



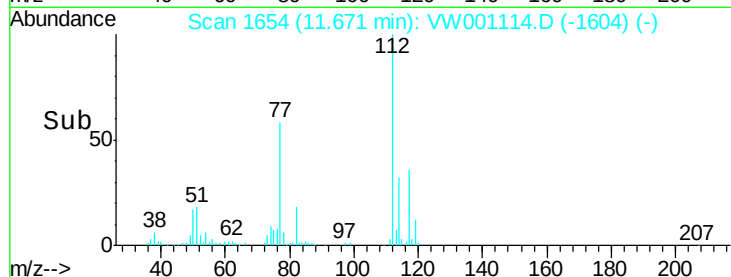
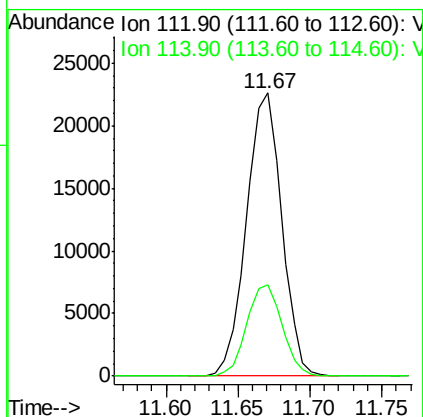
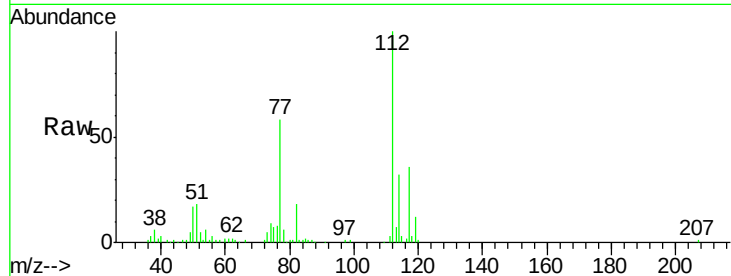


#65
Chlorobenzene
Concen: 5.44 ug/l
RT: 11.67 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

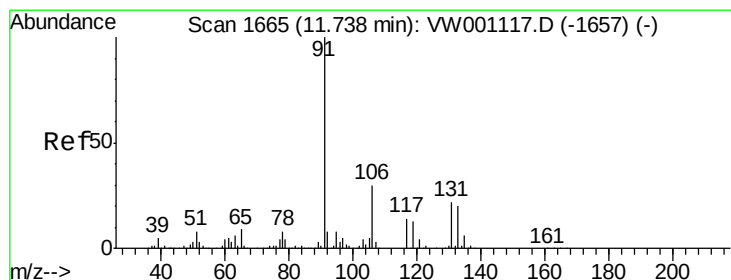
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.5	38.3

Manual Integrations
APPROVED



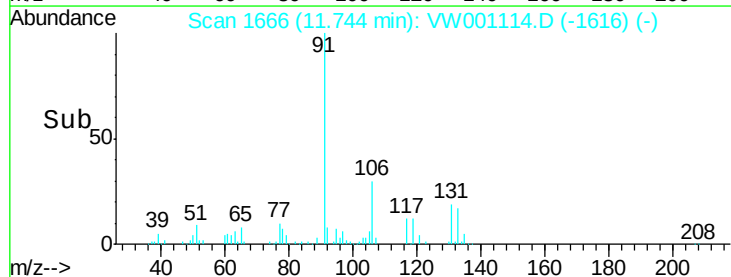
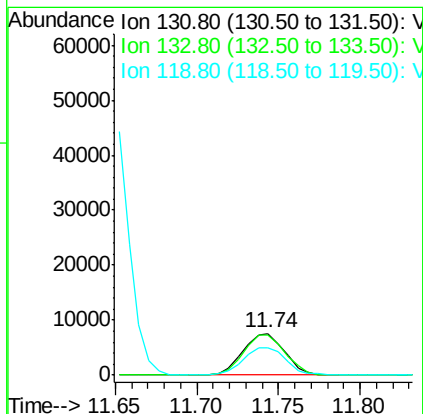
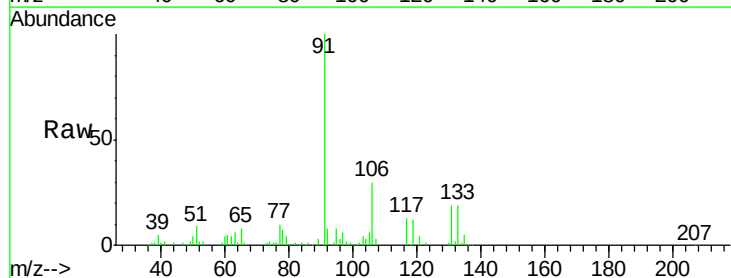
sam

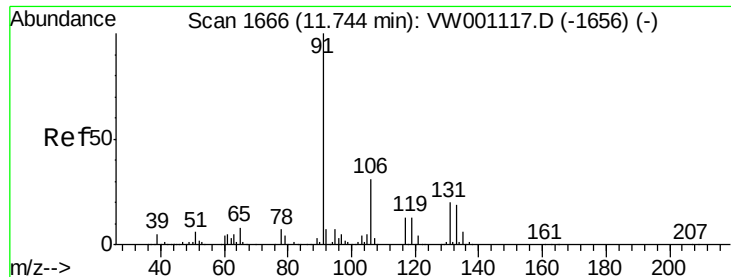
2/8/2018 12:26:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.26 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	47.3	141.8
119	65.6	31.5	94.5



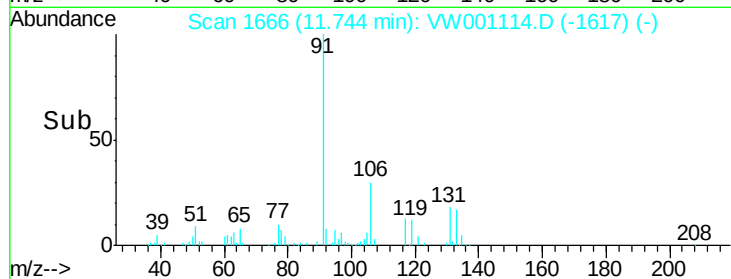
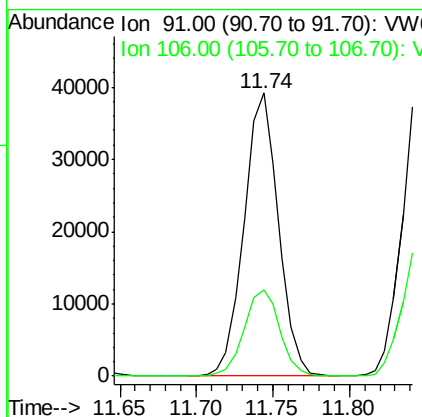
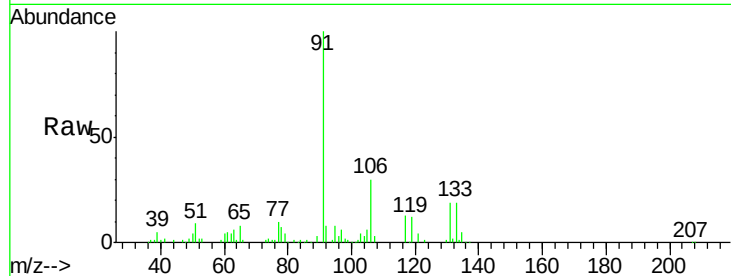


#67
Ethyl Benzene
Concen: 5.20 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

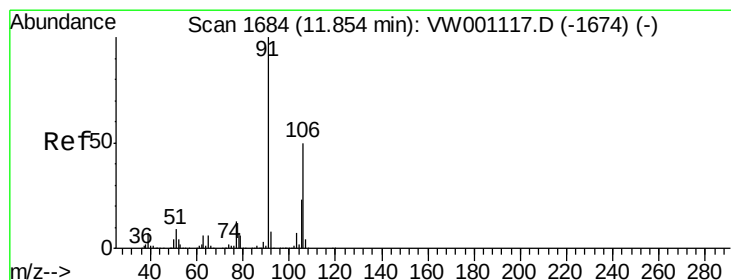
Tgt Ion: 91 Resp: 61220
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8

Manual Integrations
APPROVED



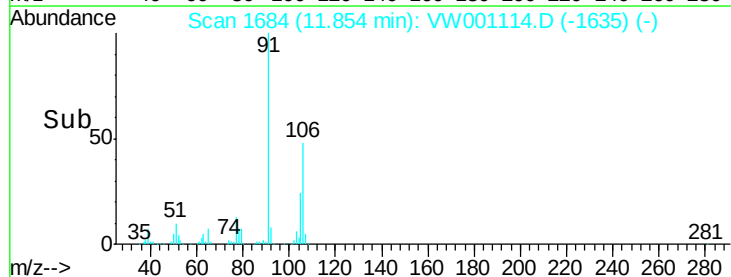
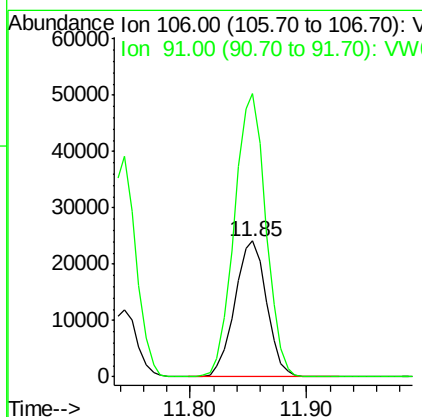
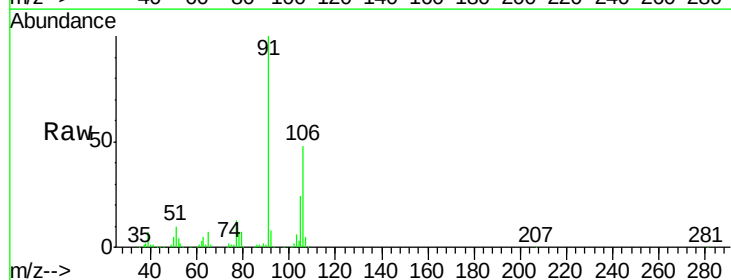
sam

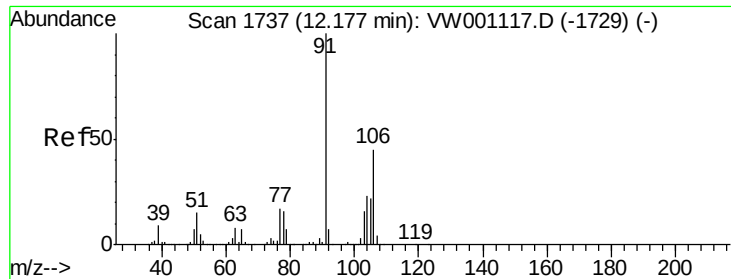
2/8/2018 12:26:58 PM



#68
m/p-Xylenes
Concen: 10.05 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 106 Resp: 46080
Ion Ratio Lower Upper
106 100
91 206.1 163.1 244.7



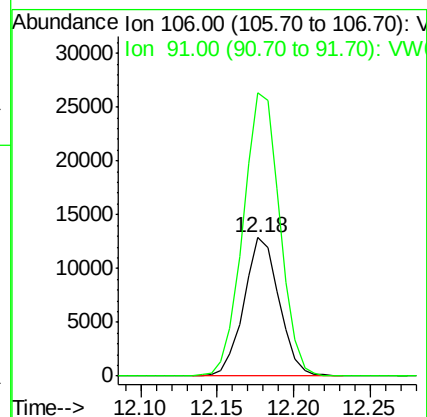
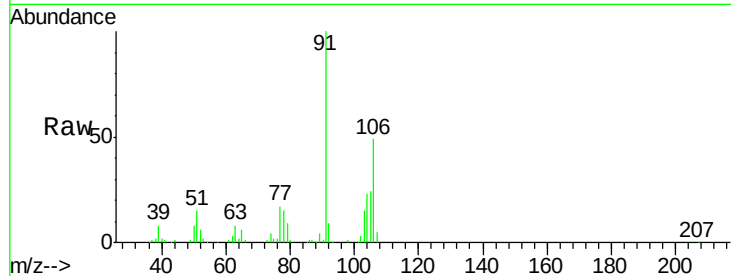


#69
o-Xylene
Concen: 4.88 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

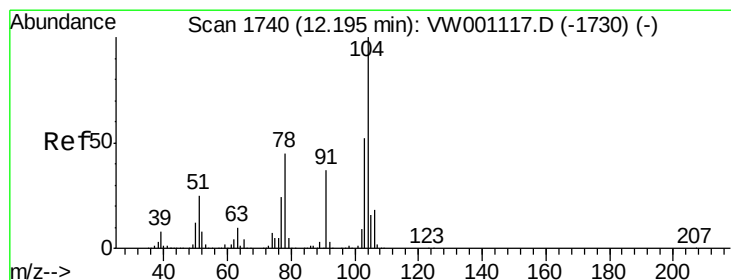
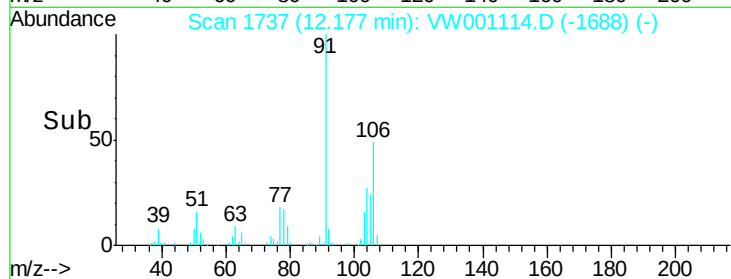
Tgt Ion:106 Resp: 20633
Ion Ratio Lower Upper
106 100
91 212.5 107.6 322.8

Manual Integrations
APPROVED



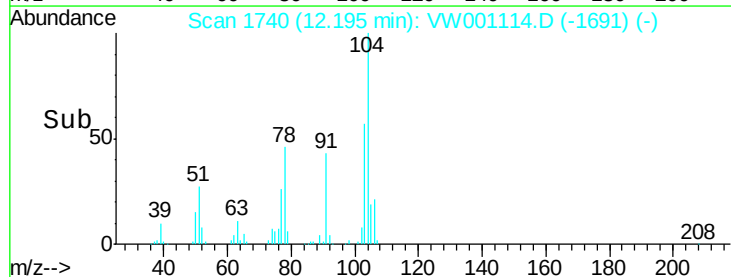
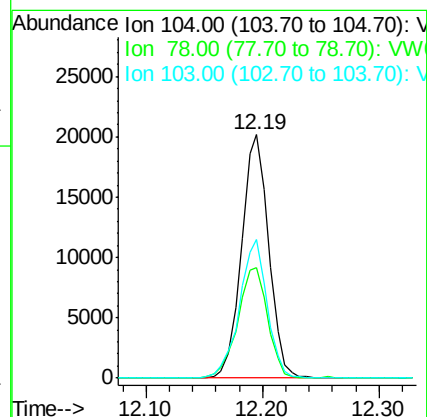
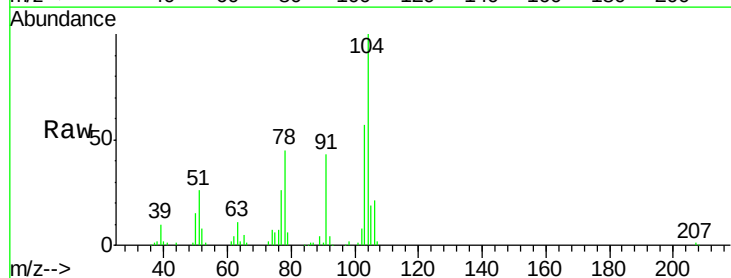
sam

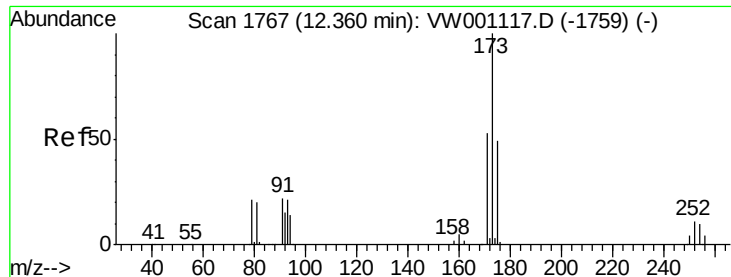
2/8/2018 12:26:58 PM



#70
Styrene
Concen: 4.73 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion:104 Resp: 32829
Ion Ratio Lower Upper
104 100
78 50.1 39.9 59.9
103 58.1 44.7 67.1





#71

Bromoform

Concen: 5.08 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

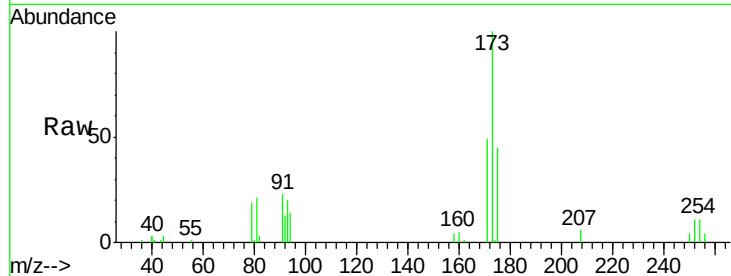
MSVOA_W

ClientSampleId :

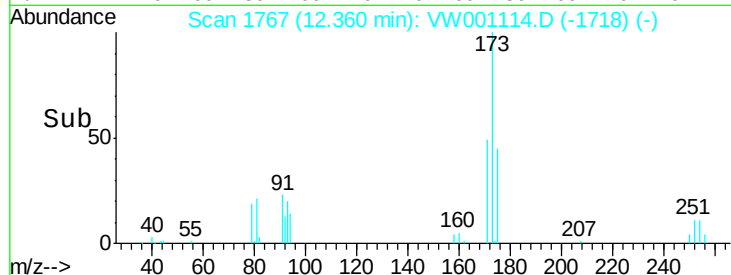
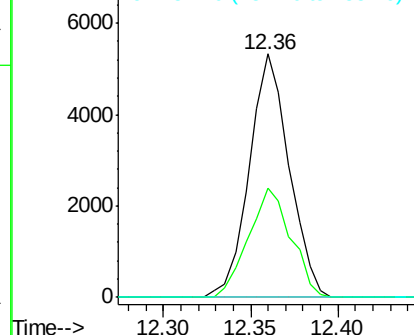
VSTDIC005

Tgt Ion:	173	Resp:	8451
Ion Ratio	Lower	Upper	
173	100		
175	47.7	24.9	74.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

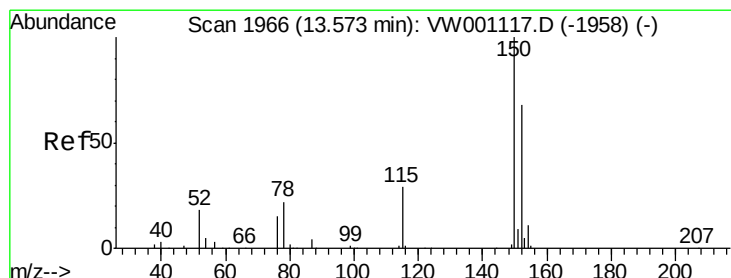


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



sam

2/8/2018 12:26:58 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

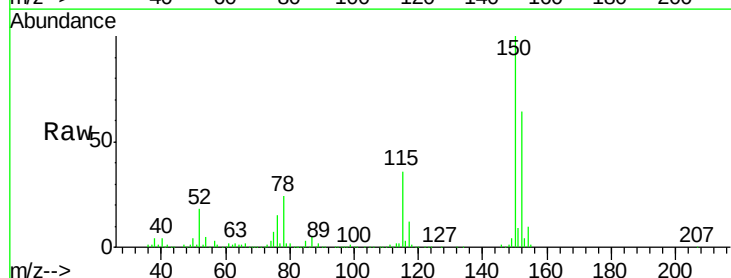
RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

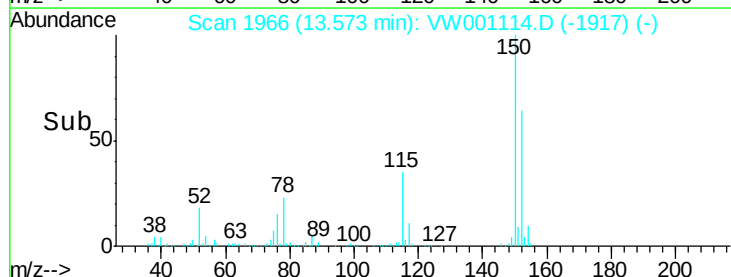
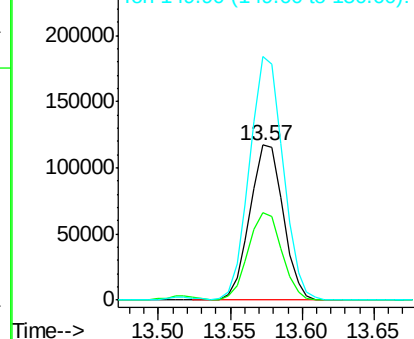
Lab File: VW001114.D

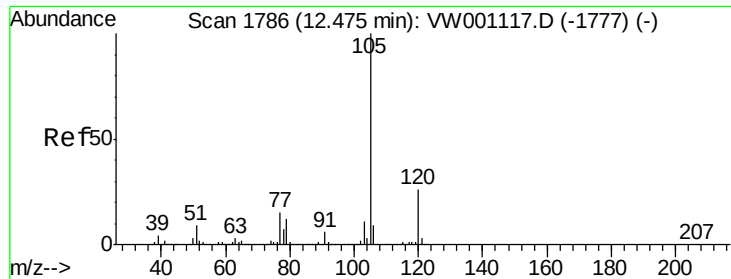
Acq: 29 Jan 2018 12:05

Tgt Ion:	152	Resp:	187718
Ion Ratio	Lower	Upper	
152	100		
115	56.9	28.4	85.3
150	158.3	0.0	342.4



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





#73

Isopropylbenzene

Concen: 4.98 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

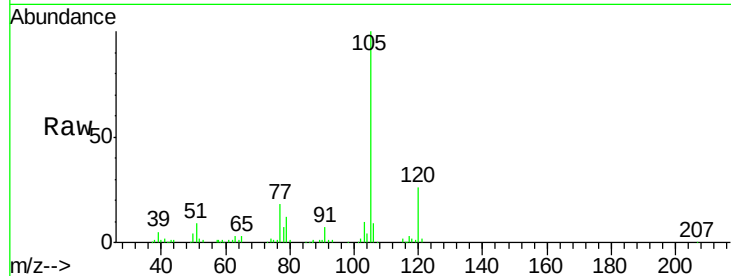
Tgt Ion: 105 Resp: 58533

Ion Ratio Lower Upper

105 100

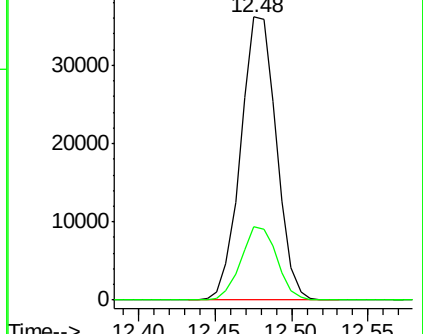
120 26.2 13.3 39.9

Manual Integrations
APPROVED

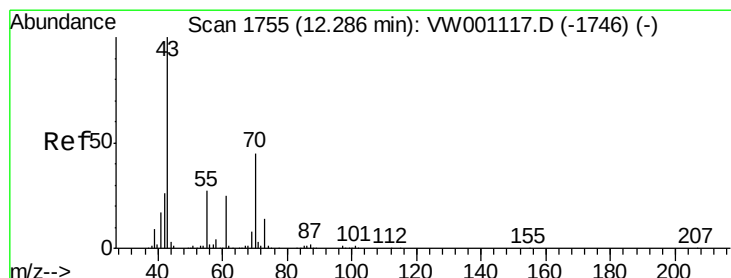
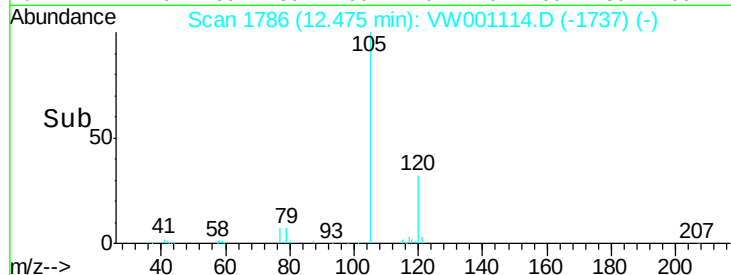


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



sam



#74

N-ethyl acetate

Concen: 4.52 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion: 43 Resp: 12138

Ion Ratio Lower Upper

43 100

70 44.6 36.0 54.0

55 30.5 21.7 32.5

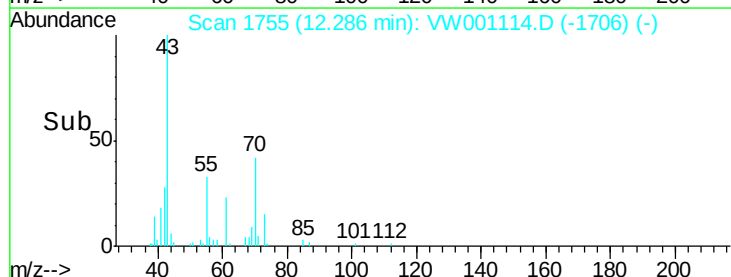
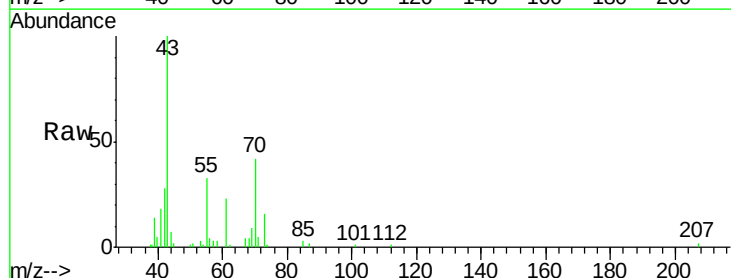
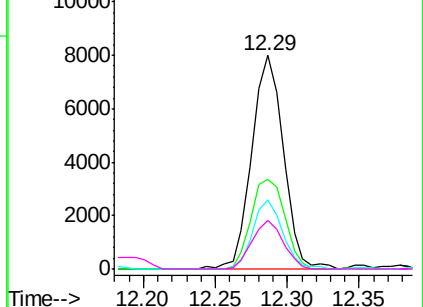
61 22.4 19.8 29.6

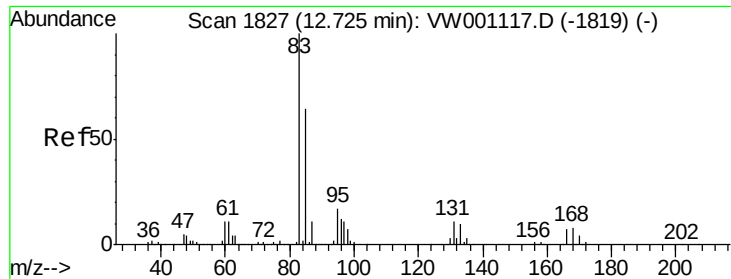
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 5.39 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

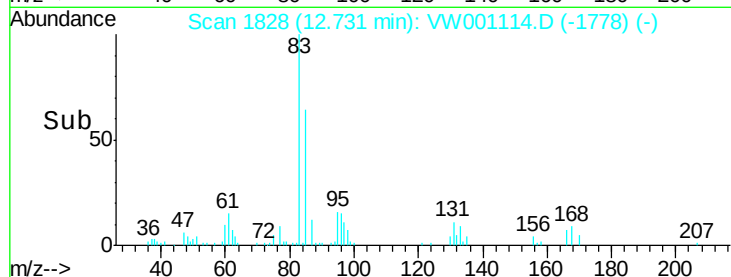
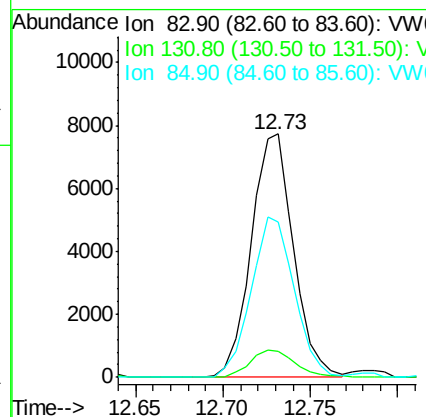
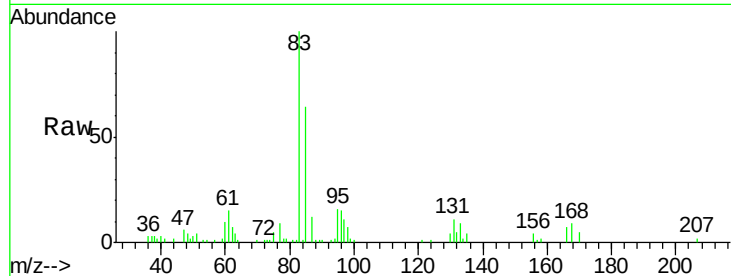
MSVOA_W

ClientSampled :

VSTDIC005

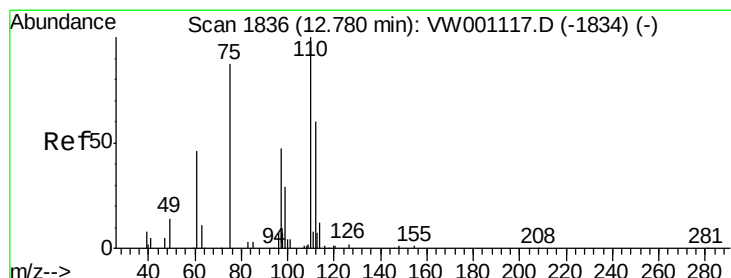
Tgt Ion:	83	Resp:	12972
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.8	17.4
85	67.0	32.3	96.9

Manual Integrations
APPROVED



sam

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#76

1,2,3-Trichloropropane

Concen: 6.10 ug/l m

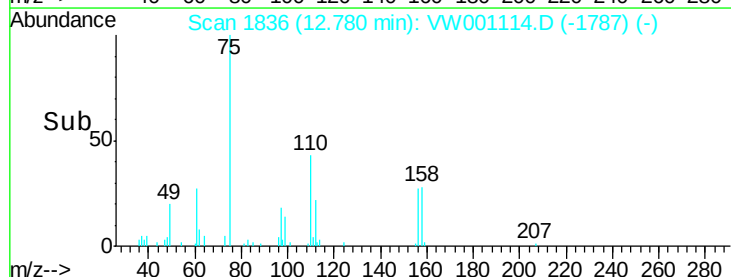
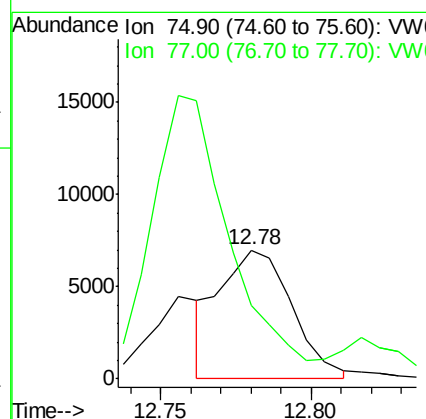
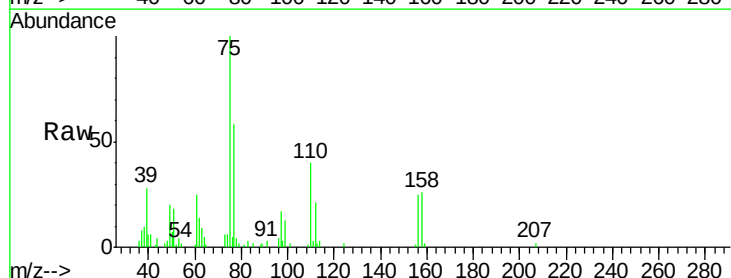
RT: 12.78 min Scan# 1836

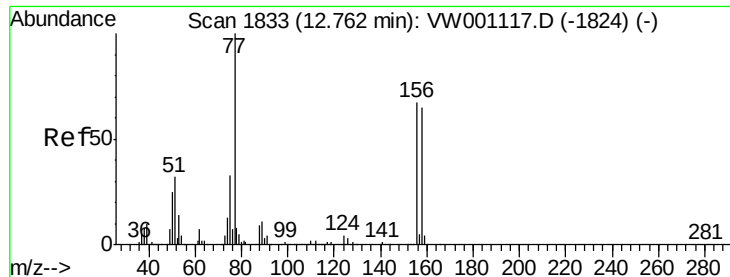
Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	75	Resp:	11597
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



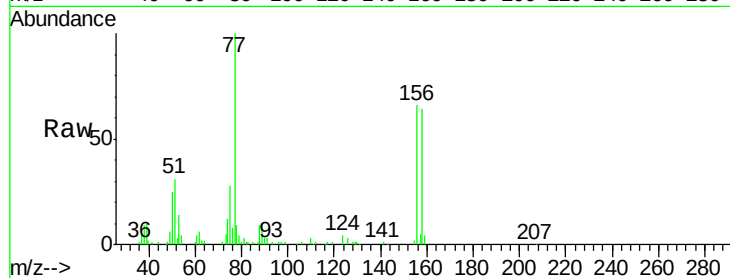


#77
Bromobenzene
Concen: 5.43 ug/l
RT: 12.76 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

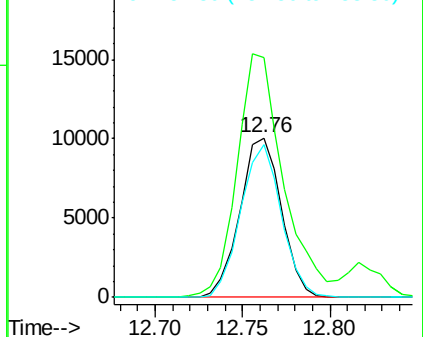
Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
156	100		
77	170.4	85.3	255.8
158	94.1	48.9	146.7

Manual Integrations
APPROVED

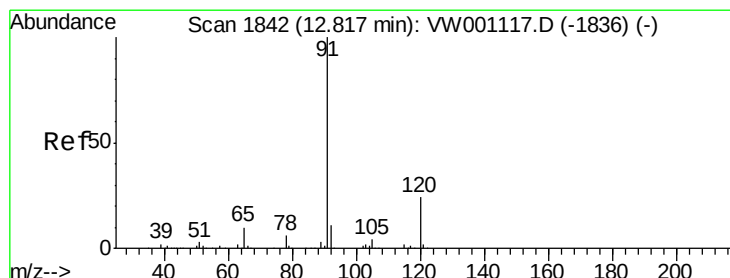
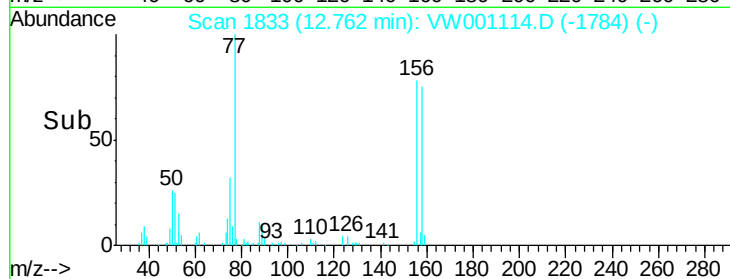


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VW
Ion 157.80 (157.50 to 158.50): V



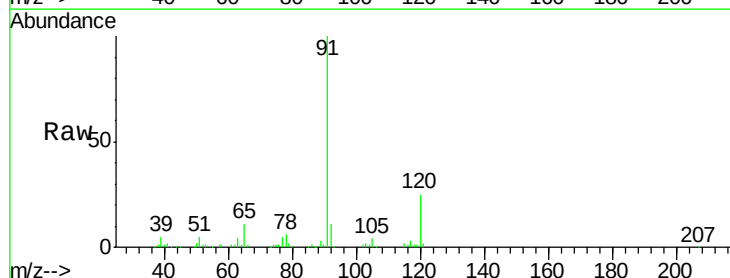
sam

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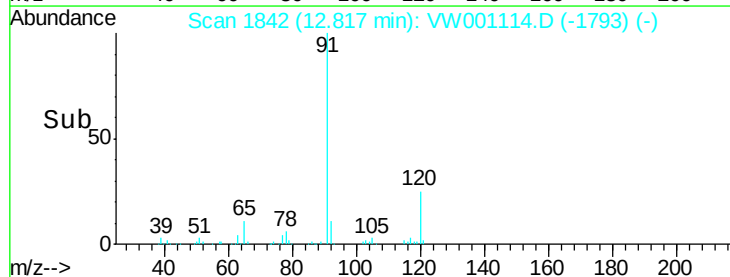
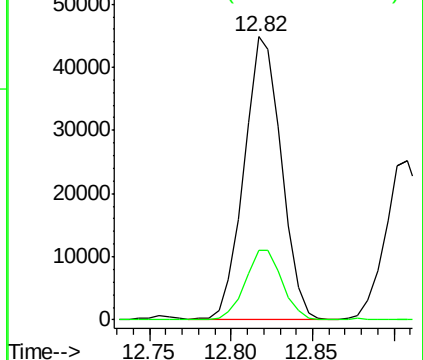


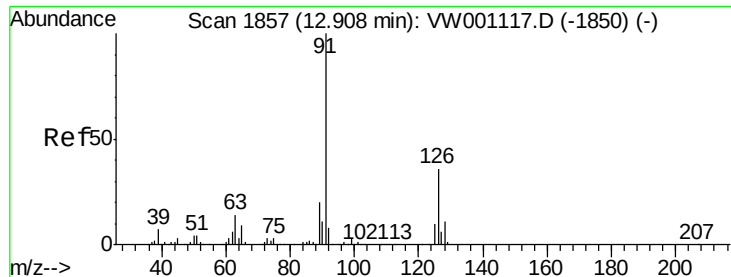
#78
n-propylbenzene
Concen: 5.04 ug/l
RT: 12.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 120.00 (119.70 to 120.70): V



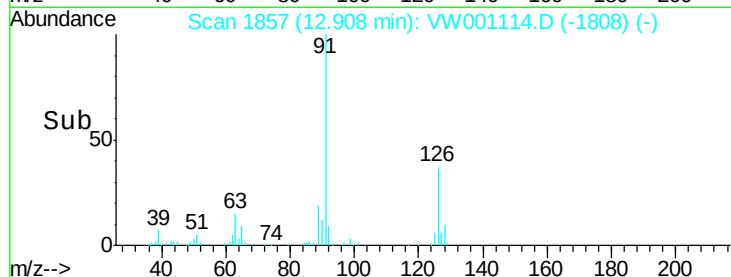
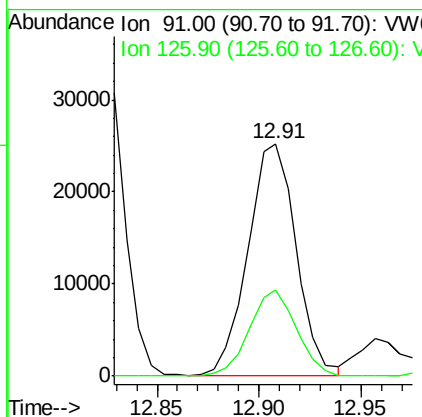
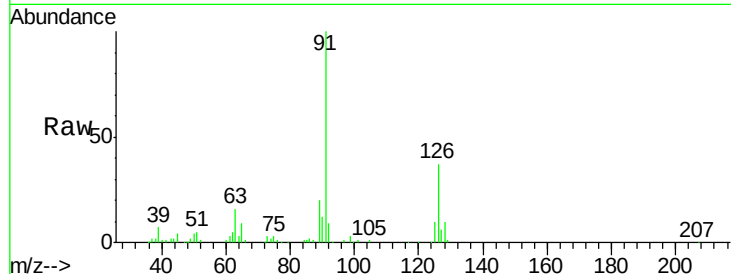


#79
 2-Chlorotoluene
 Concen: 5.14 ug/l
 RT: 12.91 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

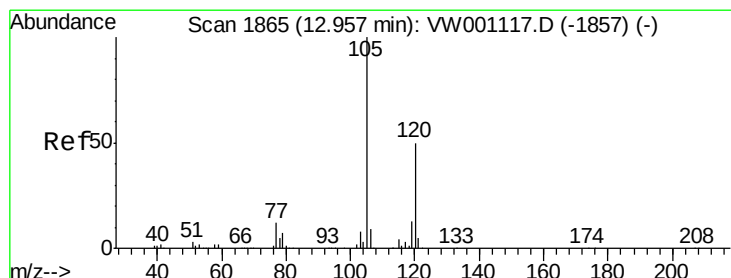
Tgt Ion: 91 Resp: 41371
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.5 52.6

Manual Integrations
 APPROVED



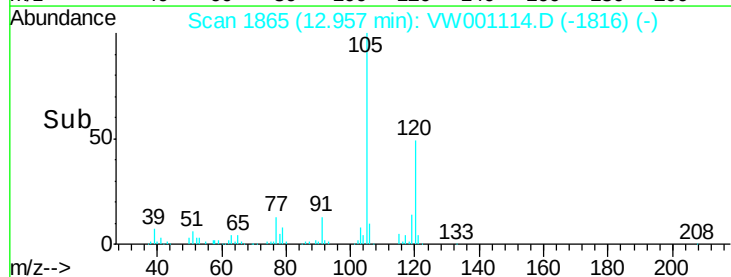
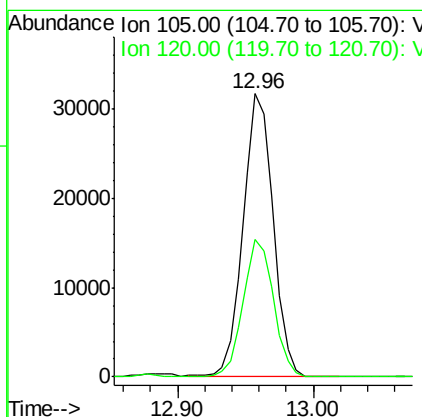
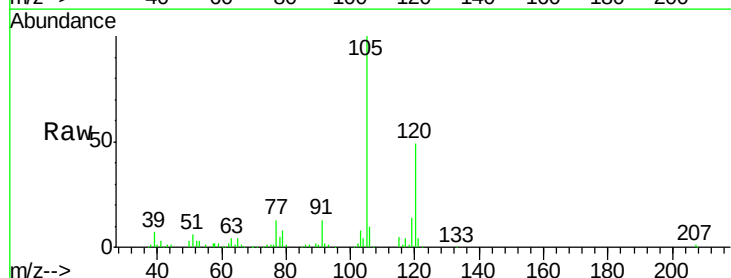
sam

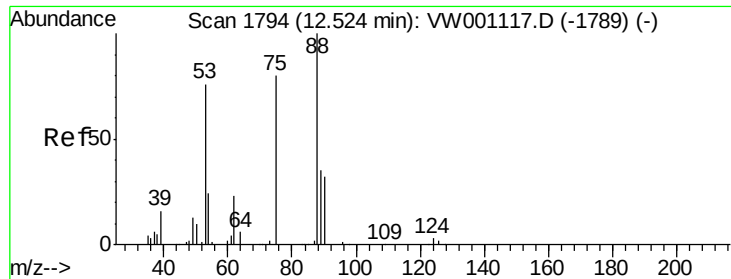
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.89 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion: 105 Resp: 49183
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 5.10 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

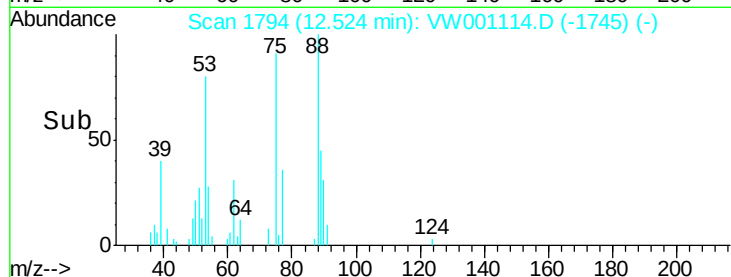
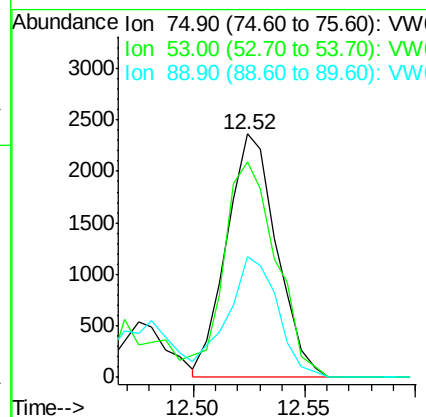
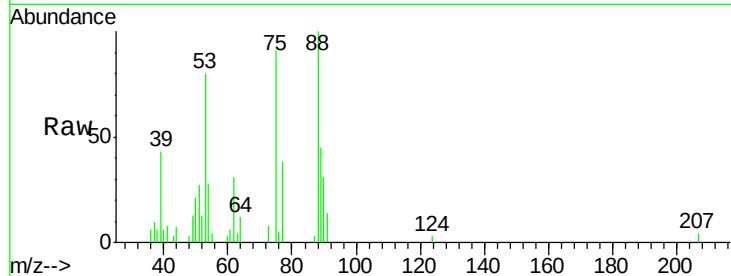
MSVOA_W

ClientSampleId :

VSTDIC005

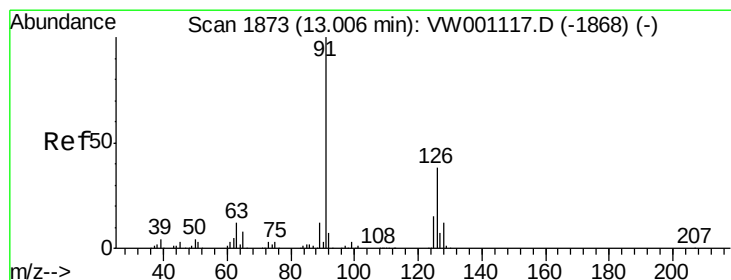
Tgt Ion:	75	Resp:	3691
Ion	Ratio	Lower	Upper
75	100		
53	93.7	75.0	112.6
89	49.8	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.22 ug/l

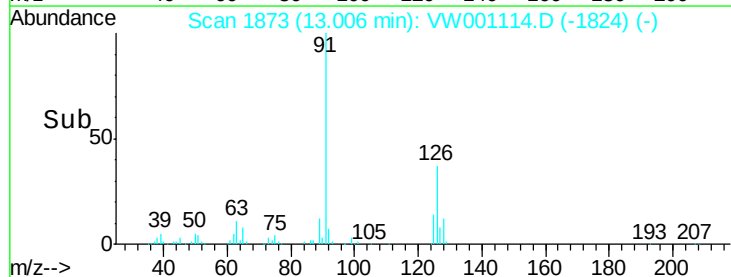
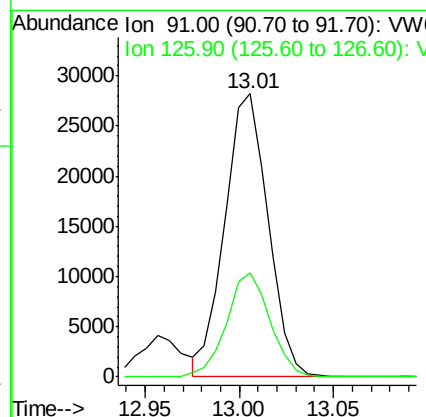
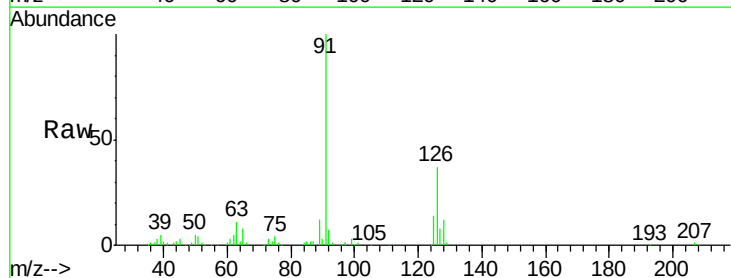
RT: 13.01 min Scan# 1873

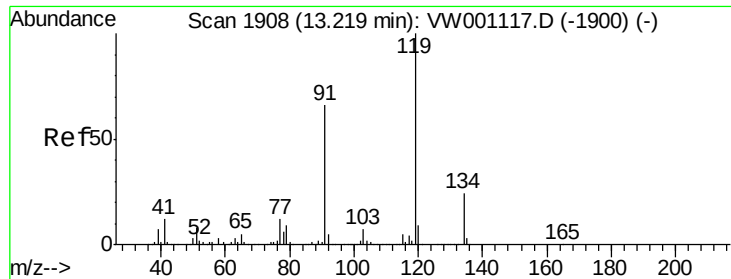
Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	91	Resp:	44870
Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.8	53.4



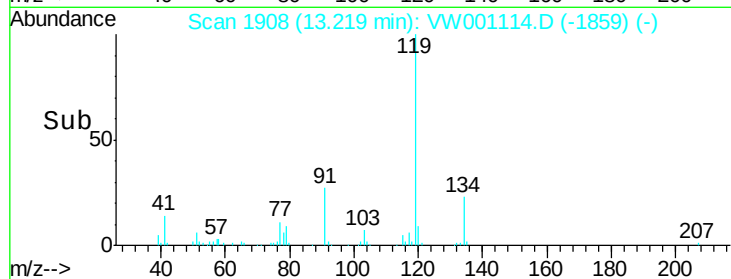
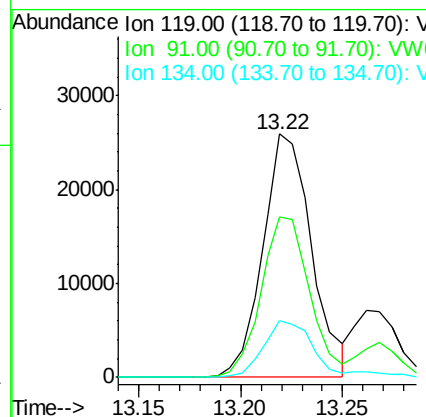
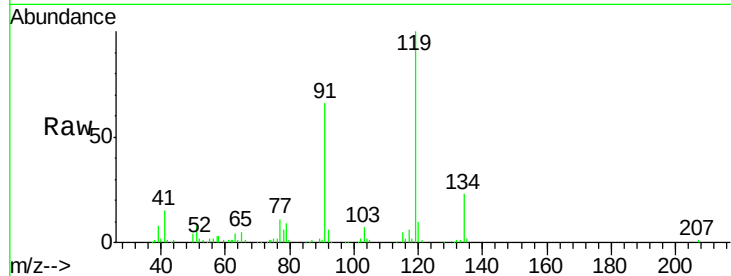


#83
 tert-Butylbenzene
 Concen: 4.85 ug/l
 RT: 13.22 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

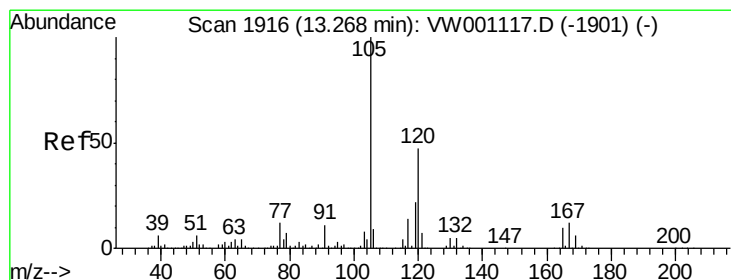
Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.7	31.9	95.5
134	25.1	12.7	38.0

Manual Integrations
 APPROVED



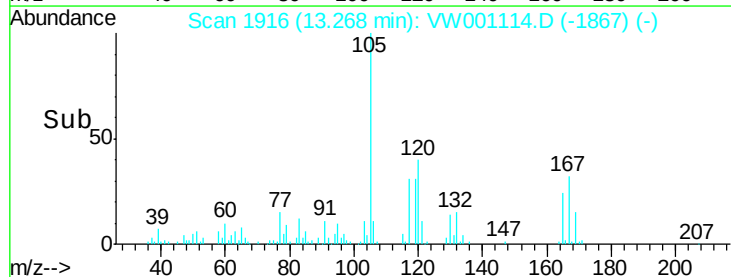
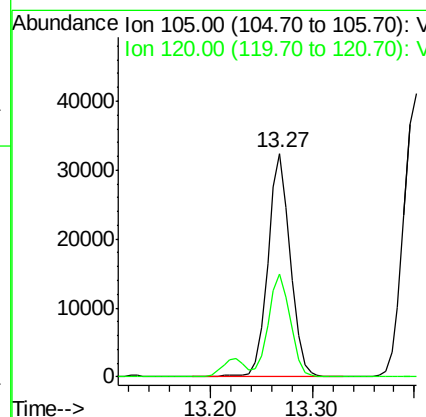
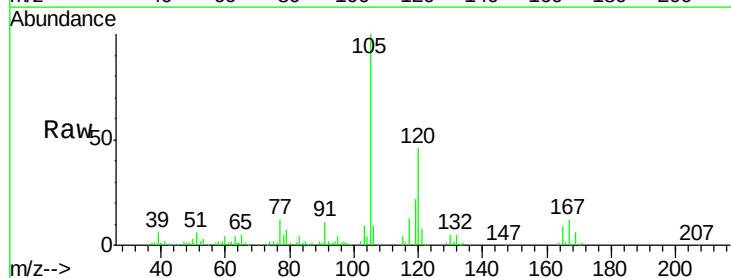
sam

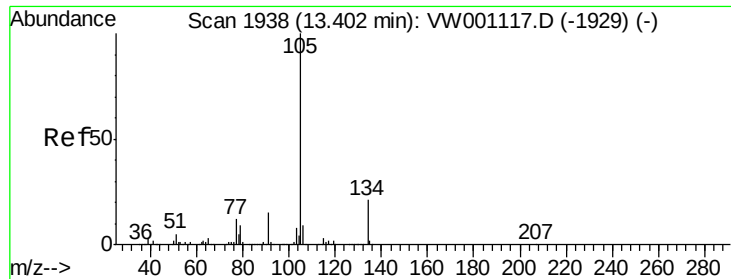
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.82 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8



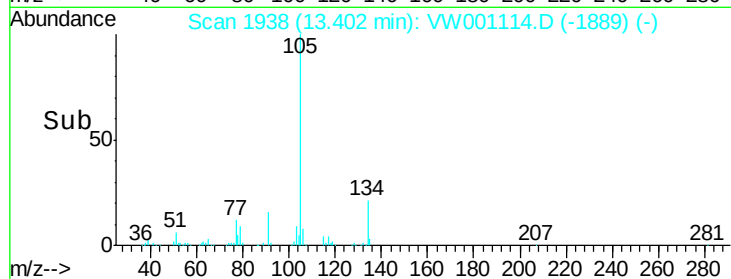
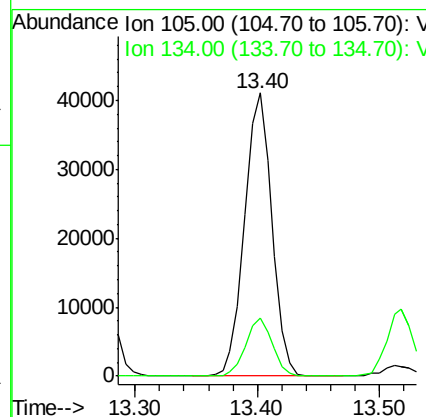
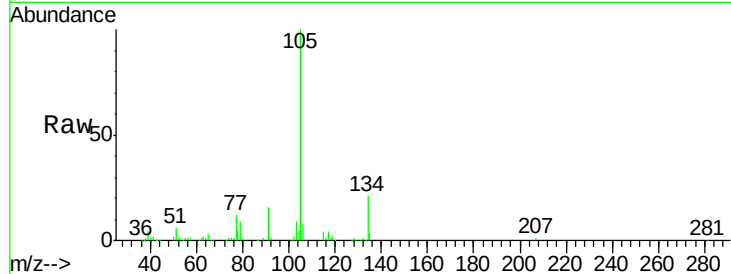


#85
 sec-Butylbenzene
 Concen: 5.06 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

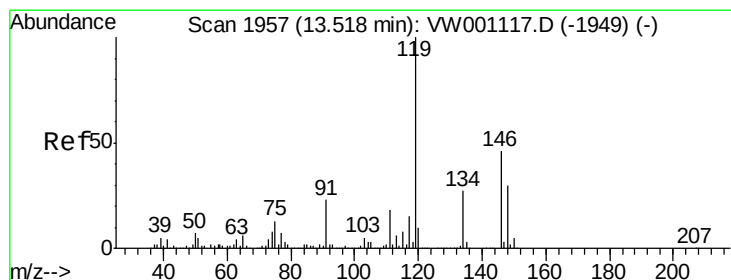
Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.3	30.8

Manual Integrations
 APPROVED



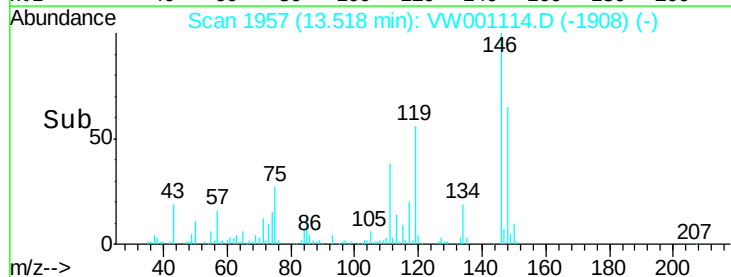
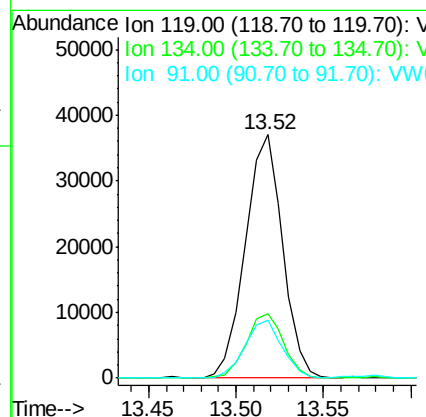
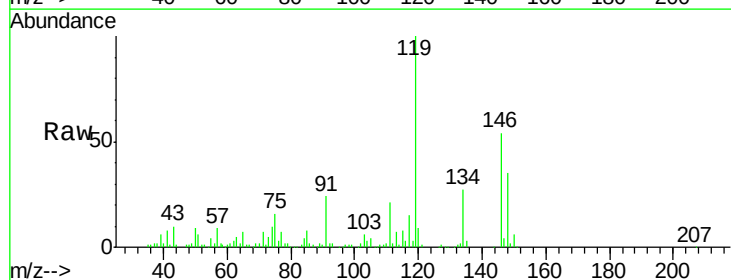
sam

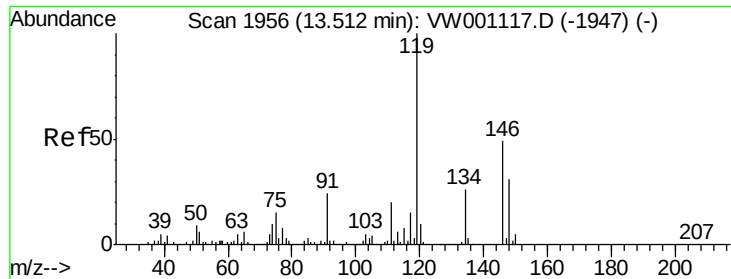
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#86
 p-Isopropyltoluene
 Concen: 4.87 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	24.2	11.8	35.4



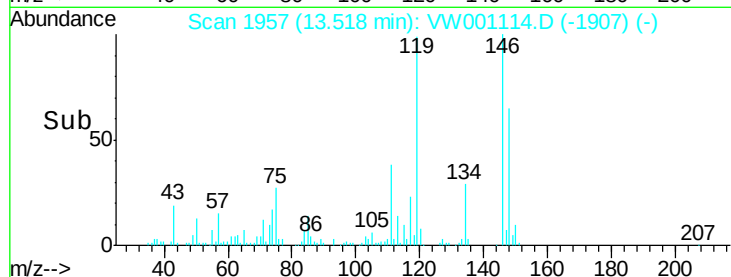
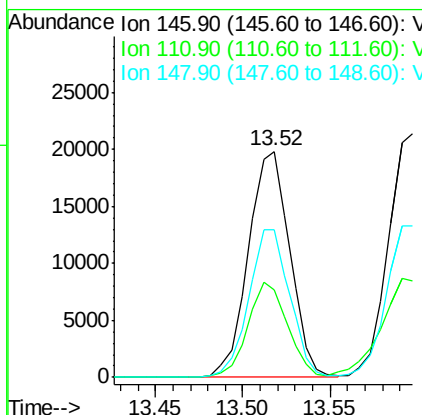
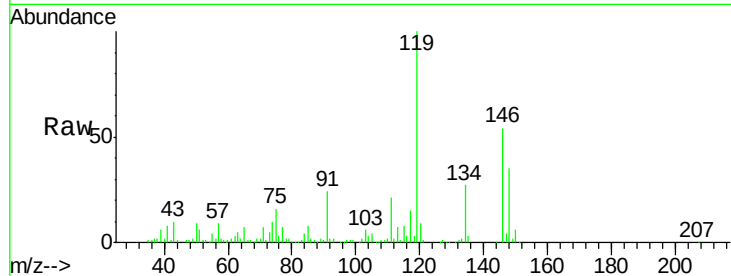


#87
1,3-Dichlorobenzene
Concen: 5.42 ug/l
RT: 13.52 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

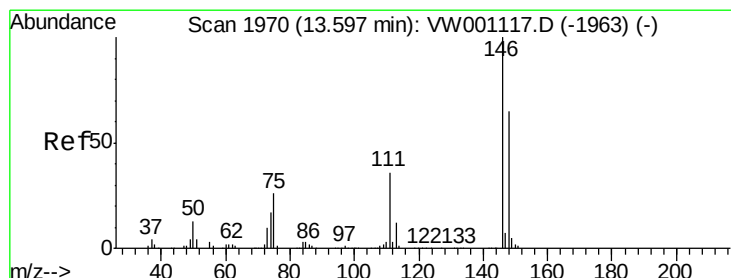
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.7	59.1
148	64.8	31.9	95.5

Manual Integrations
APPROVED



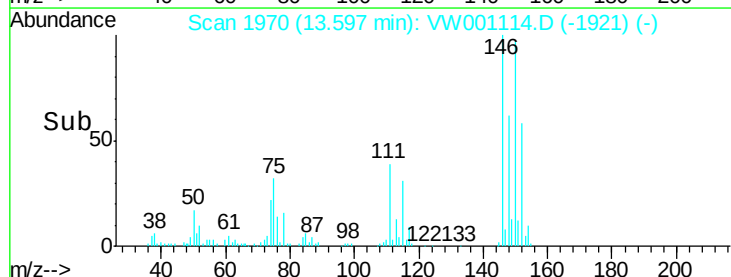
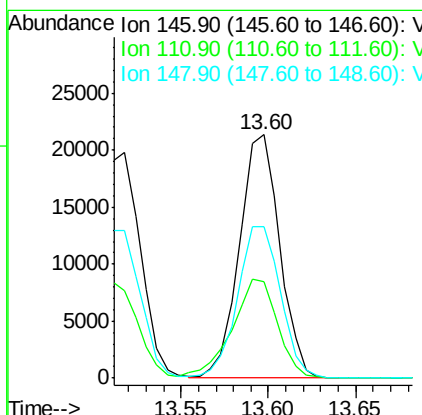
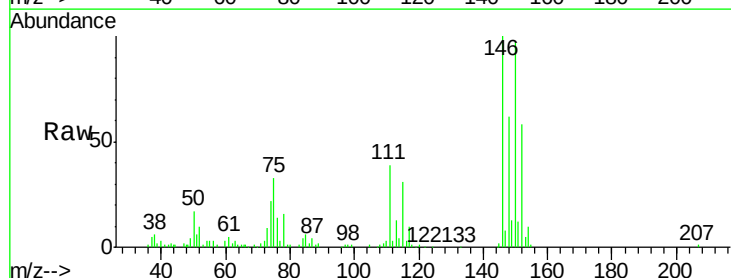
sam

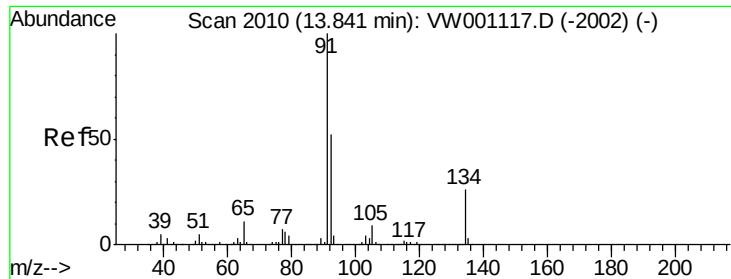
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#88
1,4-Dichlorobenzene
Concen: 5.65 ug/l
RT: 13.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	19.1	57.1
148	67.0	32.5	97.5



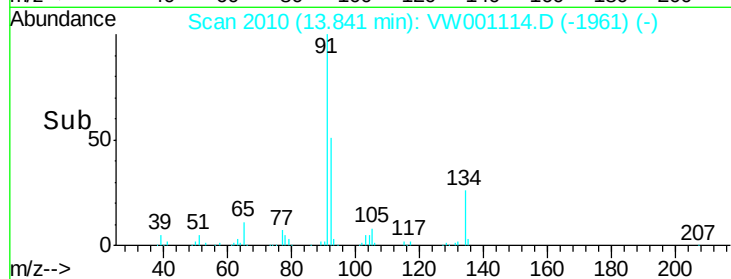
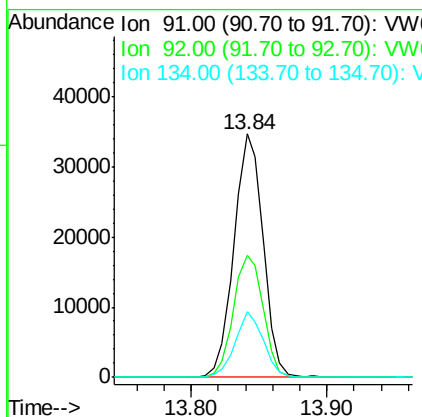
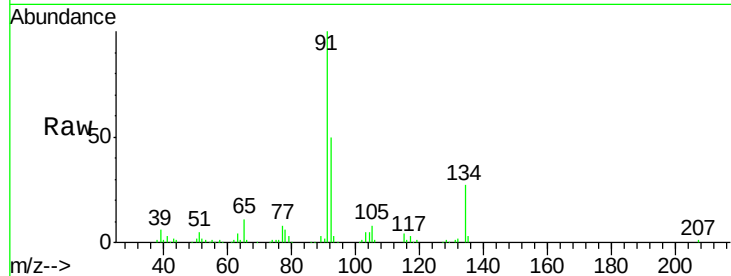


#89
n-Butylbenzene
Concen: 4.98 ug/l
RT: 13.84 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampled :
VSTDIC005

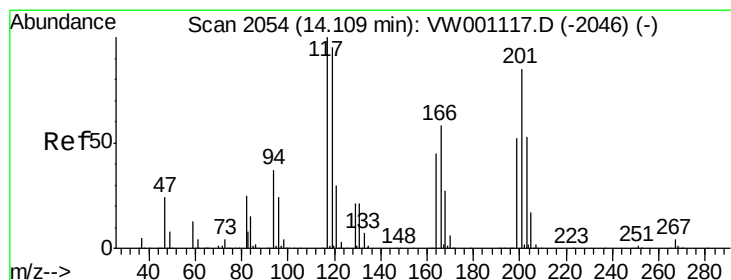
Tgt Ion: 91 Resp: 51814
Ion Ratio Lower Upper
91 100
92 50.8 26.1 78.2
134 25.9 13.6 40.8

Manual Integrations
APPROVED



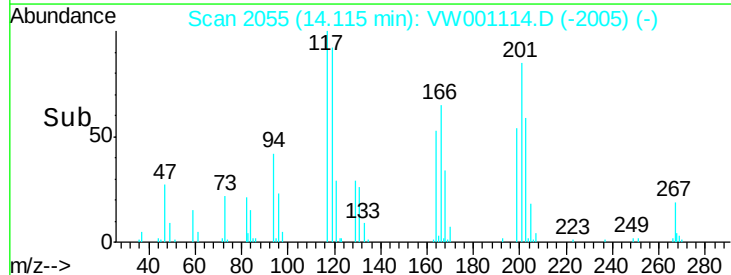
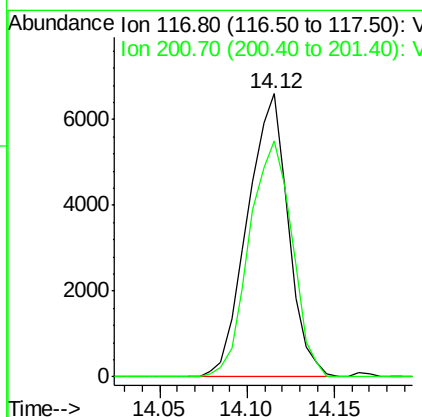
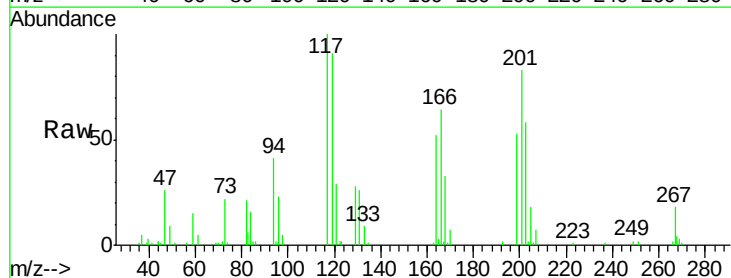
sam

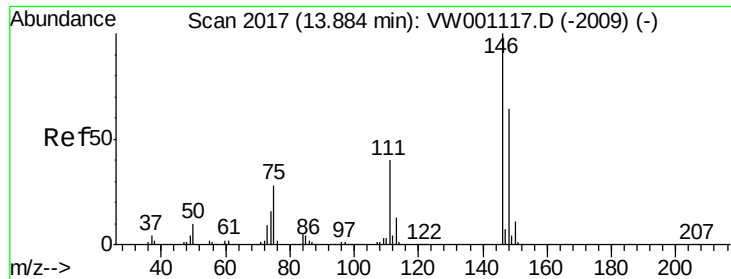
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#90
Hexachloroethane
Concen: 5.14 ug/l
RT: 14.12 min Scan# 2055
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion: 117 Resp: 10707
Ion Ratio Lower Upper
117 100
201 87.4 43.3 129.8





#91

1,2-Dichlorobenzene

Concen: 5.43 ug/l

RT: 13.89 min Scan# 2018

Delta R.T. 0.01 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Instrument :

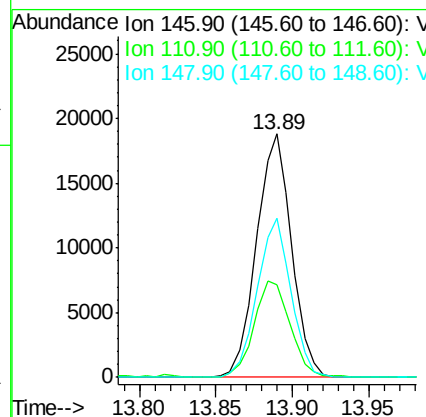
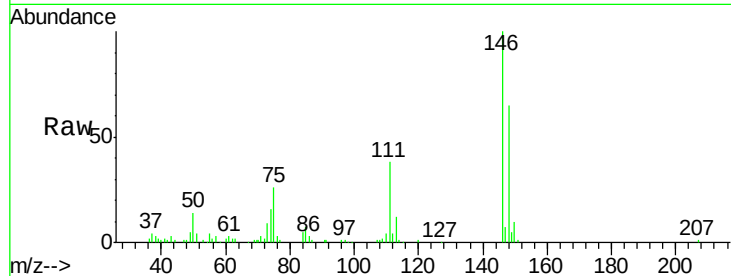
MSVOA_W

ClientSampleId :

VSTDIC005

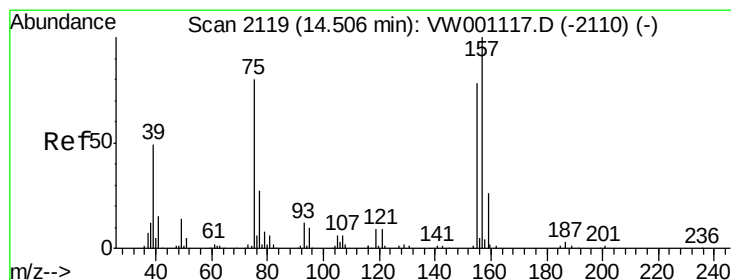
Tgt Ion:	146	Resp:	29964
Ion Ratio	Lower	Upper	
146	100		
111	41.2	20.4	61.2
148	63.0	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.38 ug/l

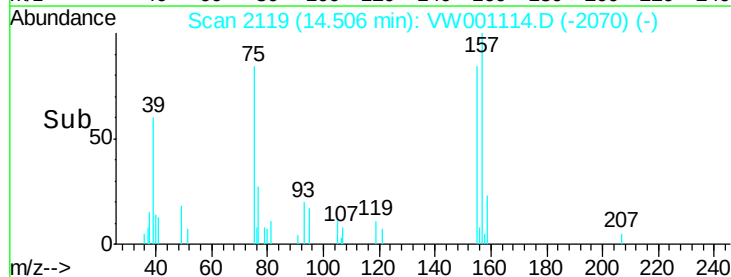
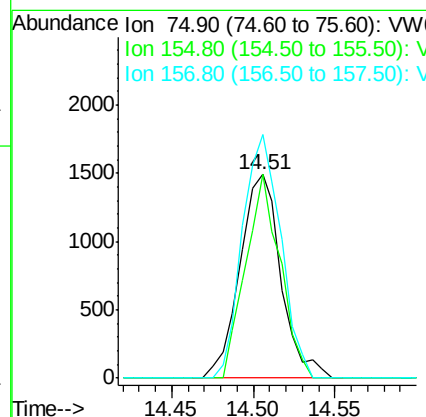
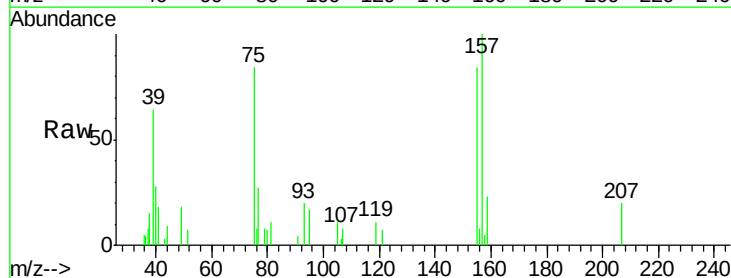
RT: 14.51 min Scan# 2119

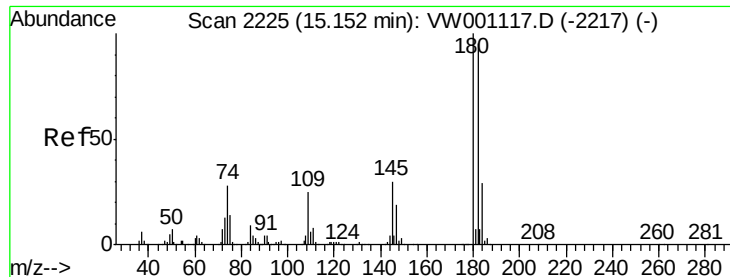
Delta R.T. -0.00 min

Lab File: VW001114.D

Acq: 29 Jan 2018 12:05

Tgt Ion:	75	Resp:	2609
Ion Ratio	Lower	Upper	
75	100		
155	84.2	46.3	138.9
157	111.7	60.0	180.0



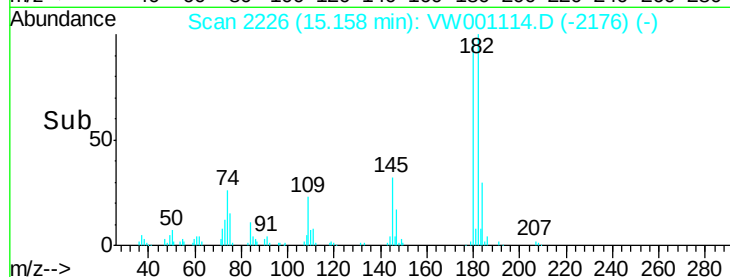
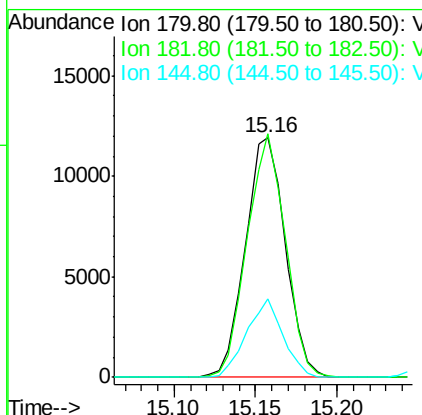
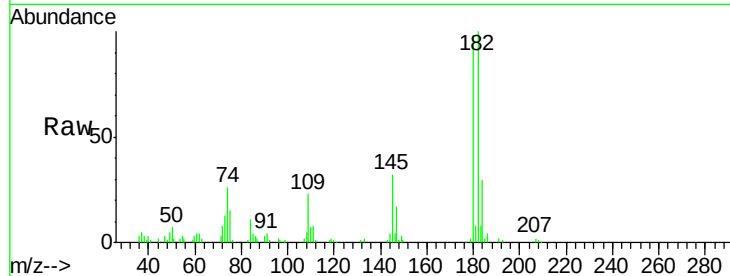


#93
 1,2,4-Trichlorobenzene
 Concen: 5.01 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.01 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

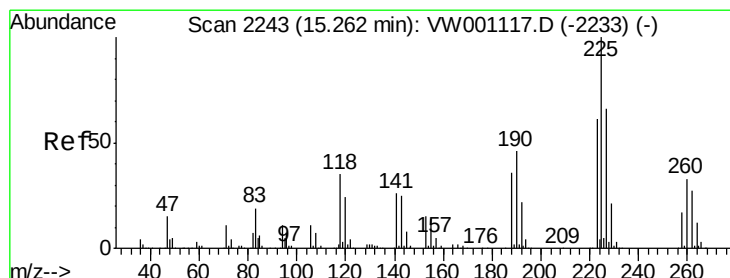
Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.1	20352	47.6	142.9
145	30.1		15.0	45.1

Manual Integrations
 APPROVED



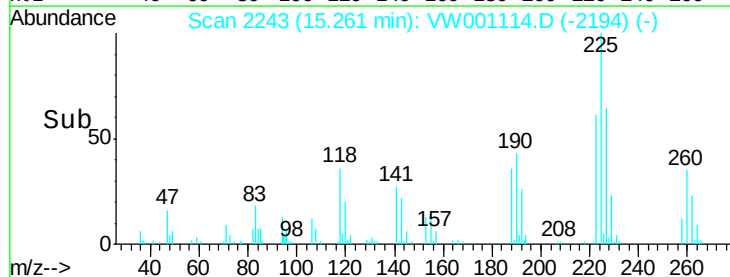
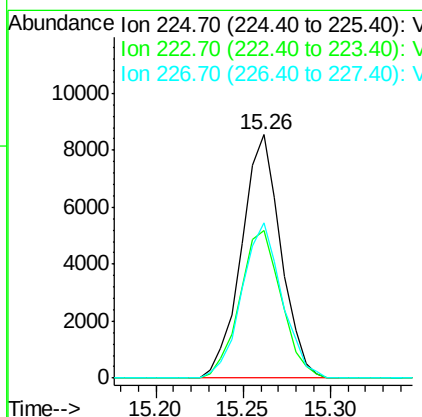
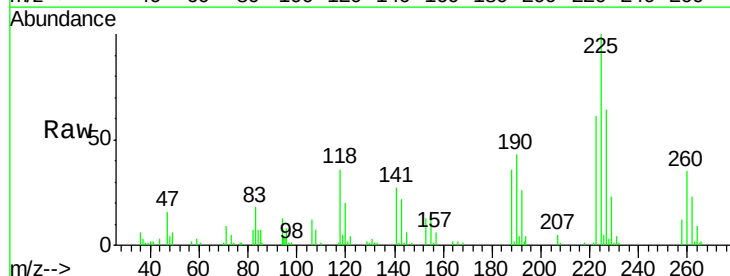
sam

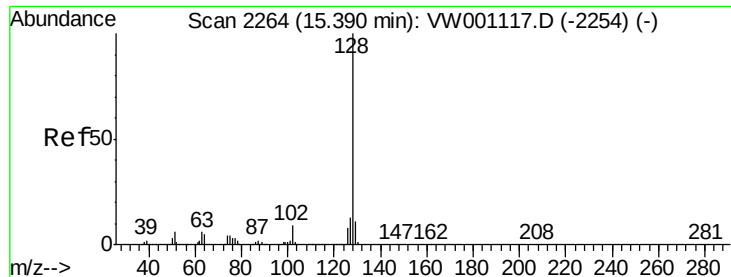
2/8/2018 12:26:58 PM



#94
 Hexachlorobutadiene
 Concen: 5.33 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. -0.00 min
 Lab File: VW001114.D
 Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	13377		
223	63.8		31.1	93.3
227	65.4		32.6	97.8



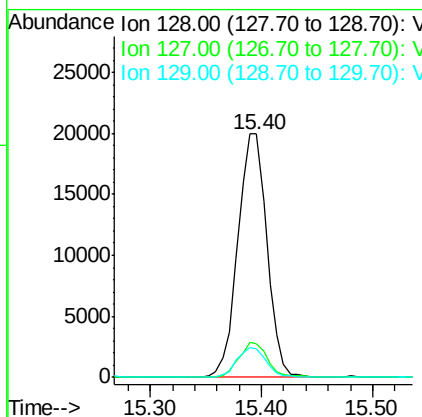
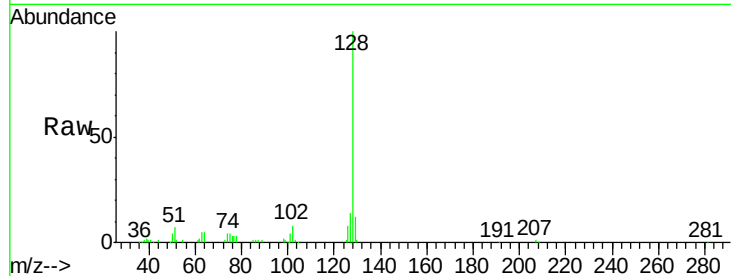


#95
Naphthalene
Concen: 4.52 ug/l
RT: 15.40 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

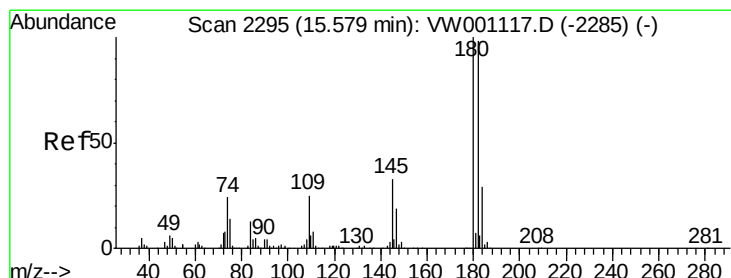
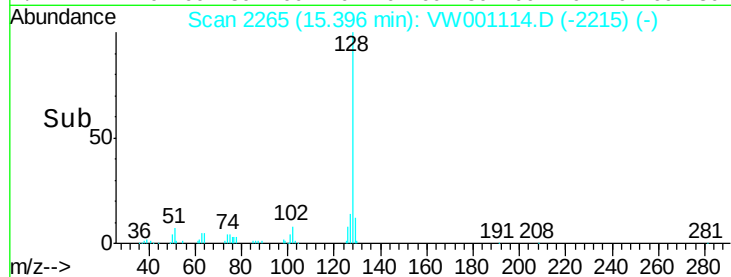
Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.7	16.1
129	12.0	8.7	13.1

Manual Integrations
APPROVED



sam

2/8/2018 12:26:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.18 ug/l
RT: 15.58 min Scan# 2295
Delta R.T. -0.00 min
Lab File: VW001114.D
Acq: 29 Jan 2018 12:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.7	146.1
145	31.4	16.0	47.9

