

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006932.D
 Acq On : 17 Nov 2018 00:09
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 11/19/2018 5:00:14 PM

Quant Time: Nov 17 04:25:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	107964	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	179323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170250	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	82473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	59287	68.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.32%	
35) Dibromofluoromethane	7.89	113	53878	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.33	98	239867	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.62	95	93039	55.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	51278	55.91	ug/l	100
3) Chloromethane	2.21	50	46900	47.09	ug/l	100
4) Vinyl Chloride	2.36	62	44445	42.47	ug/l	100
5) Bromomethane	2.78	94	24146	35.36	ug/l	100
6) Chloroethane	2.92	64	25329	37.85	ug/l	100
7) Trichlorofluoromethane	3.26	101	83837	56.91	ug/l	100
8) Diethyl Ether	3.69	74	29442	65.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.07	101	52952	53.36	ug/l	100
10) Methyl Iodide	4.28	142	68230	50.64	ug/l	100
11) Tert butyl alcohol	5.21	59	20436	358.98	ug/l	100
12) 1,1-Dichloroethene	4.04	96	49145	58.01	ug/l	100
13) Acrolein	3.90	56	19855	333.86	ug/l	100
14) Allyl chloride	4.68	41	86303	72.72	ug/l	100
15) Acrylonitrile	5.38	53	59960	348.44	ug/l	100
16) Acetone	4.14	43	44694	356.06	ug/l	100
17) Carbon Disulfide	4.39	76	158406	59.14	ug/l	100
18) Methyl Acetate	4.68	43	30861	71.62	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	143604	68.45	ug/l	100
20) Methylene Chloride	4.92	84	65033	49.67	ug/l	100
21) trans-1,2-Dichloroethene	5.43	96	57214	57.20	ug/l	100
22) Diisopropyl ether	6.32	45	175091	71.62	ug/l	100
23) Vinyl Acetate	6.26	43	491291	356.88	ug/l	100
24) 1,1-Dichloroethane	6.23	63	99580	63.23	ug/l	100
25) 2-Butanone	7.18	43	74453	353.16	ug/l	100
26) 2,2-Dichloropropane	7.17	77	84075	54.70	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	63515	59.12	ug/l	100
28) Bromochloromethane	7.52	49	35481	63.99	ug/l	100
29) Tetrahydrofuran	7.54	42	47989	355.57	ug/l	100
30) Chloroform	7.68	83	105183	61.62	ug/l	100
31) Cyclohexane	7.96	56	96135	60.32	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	94040	58.03	ug/l	100
36) 1,1-Dichloropropene	8.09	75	84138	50.08	ug/l	100
37) Ethyl Acetate	7.26	43	34538	60.18	ug/l	100
38) Carbon Tetrachloride	8.07	117	81422	45.36	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006932.D
 Acq On : 17 Nov 2018 00:09
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

sam
 11/19/2018 5:00:14 PM

Quant Time: Nov 17 04:25:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105644	49.04	ug/l	100
40) Benzene	8.33	78	243251	51.83	ug/l	100
41) Methacrylonitrile	7.49	41	22240	62.81	ug/l	100
42) 1,2-Dichloroethane	8.41	62	68637	53.75	ug/l	100
43) Isopropyl Acetate	8.43	43	68458	61.24	ug/l	100
44) Trichloroethene	9.10	130	64596	44.67	ug/l	100
45) 1,2-Dichloropropane	9.37	63	60079	54.29	ug/l	100
46) Dibromomethane	9.46	93	29817	49.13	ug/l	100
47) Bromodichloromethane	9.65	83	78672	51.85	ug/l	100
48) Methyl methacrylate	9.44	41	32451	59.68	ug/l	100
49) 1,4-Dioxane	9.47	88	10186	1106.25	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	171512	307.10	ug/l	100
52) Toluene	10.39	92	166498	50.56	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	79432	53.15	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	94607	53.35	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	44919	49.86	ug/l	100
56) Ethyl methacrylate	10.65	69	58892	58.54	ug/l	100
57) 1,3-Dichloropropane	10.93	76	76615	53.15	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	129691	261.71	ug/l	100
59) 2-Hexanone	10.97	43	120443	314.41	ug/l	100
60) Dibromochloromethane	11.13	129	52282	47.98	ug/l	100
61) 1,2-Dibromoethane	11.24	107	41935	49.25	ug/l	100
64) Tetrachloroethene	10.87	164	55574	42.22	ug/l	100
65) Chlorobenzene	11.66	112	184048	49.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	57036	47.02	ug/l	100
67) Ethyl Benzene	11.73	91	332075	51.60	ug/l	100
68) m/p-Xylenes	11.84	106	256486	98.31	ug/l	100
69) o-Xylene	12.17	106	122412	50.29	ug/l	100
70) Styrene	12.18	104	198978	50.96	ug/l	100
71) Bromoform	12.35	173	26809	41.49	ug/l #	100
73) Isopropylbenzene	12.47	105	331077	56.65	ug/l	100
74) N-amyl acetate	12.27	43	66558	71.02	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	47044	57.68	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30603m	49.17	ug/l	
77) Bromobenzene	12.75	156	71278	49.58	ug/l	100
78) n-propylbenzene	12.81	91	398327	57.58	ug/l	100
79) 2-Chlorotoluene	12.90	91	230930	59.05	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	286596	57.08	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	14685	59.00	ug/l	100
82) 4-Chlorotoluene	12.99	91	244227	58.59	ug/l	100
83) tert-Butylbenzene	13.21	119	243133	55.21	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	289013	56.64	ug/l	100
85) sec-Butylbenzene	13.39	105	346986	55.51	ug/l	100
86) p-Isopropyltoluene	13.51	119	306058	54.22	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	143626	49.21	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	142826	49.40	ug/l	100
89) n-Butylbenzene	13.83	91	293173	56.35	ug/l	100
90) Hexachloroethane	14.10	117	49971	55.04	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	127512	49.95	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8759	65.29	ug/l	100

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
Data File : VW006932.D
Acq On : 17 Nov 2018 00:09
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

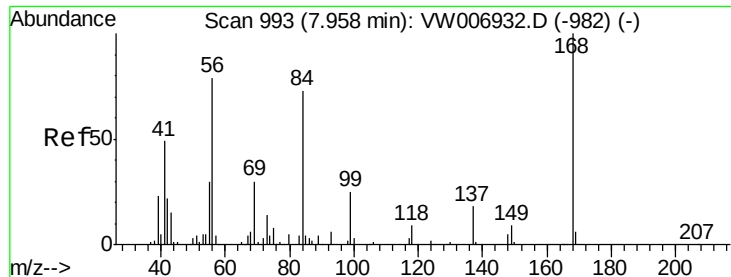
Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM

Quant Time: Nov 17 04:25:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 17 01:21:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	83665	44.58	ug/l	100
94) Hexachlorobutadiene	15.24	225	43675	37.71	ug/l	100
95) Naphthalene	15.38	128	163037	55.74	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	71224	44.20	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 168 Resp: 107964

Ion Ratio Lower Upper

168 100

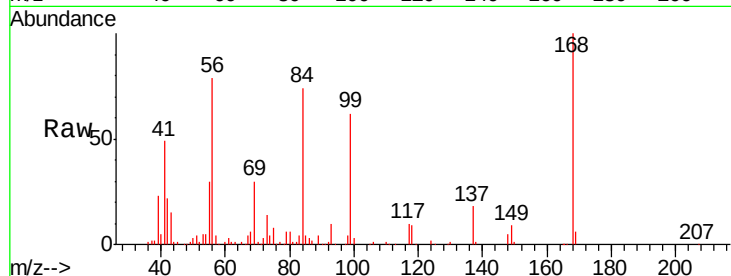
99 61.6 49.3 73.9

Manual Integrations

APPROVED

sam

11/19/2018 5:00:14 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.96

50000

40000

30000

20000

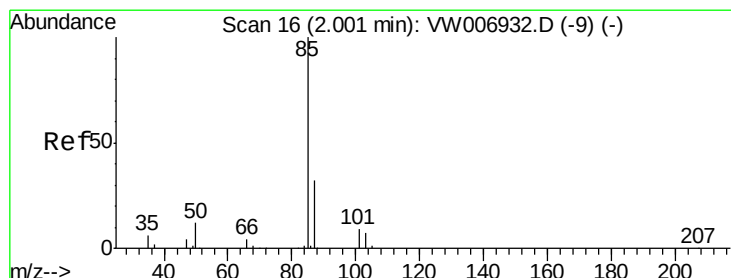
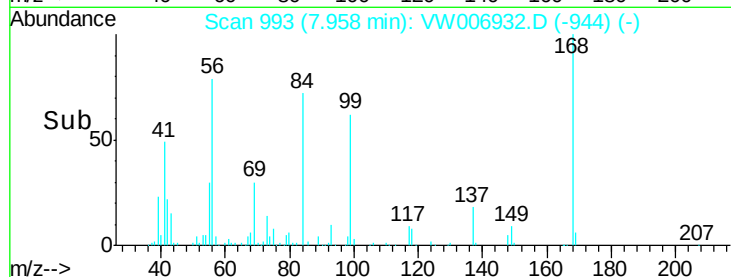
10000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 55.91 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006932.D

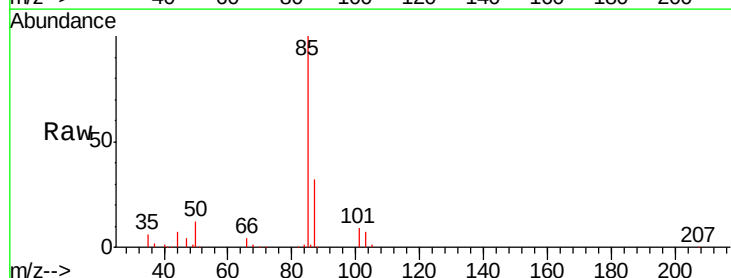
Acq: 17 Nov 2018 00:09

Tgt Ion: 85 Resp: 51278

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

20000

10000

0

1.90

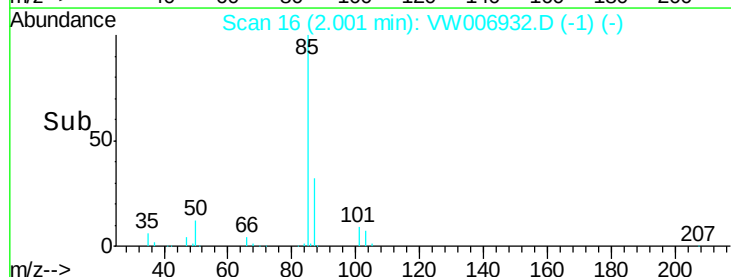
1.95

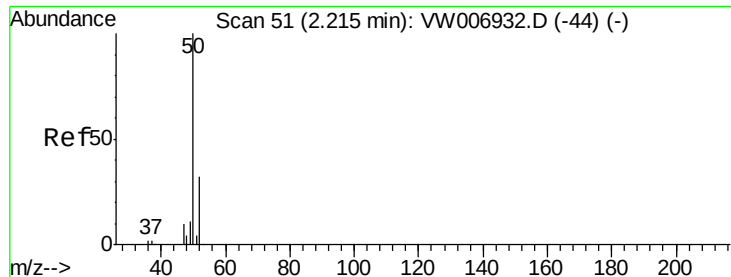
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.09 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 46900

Ion Ratio Lower Upper

50 100

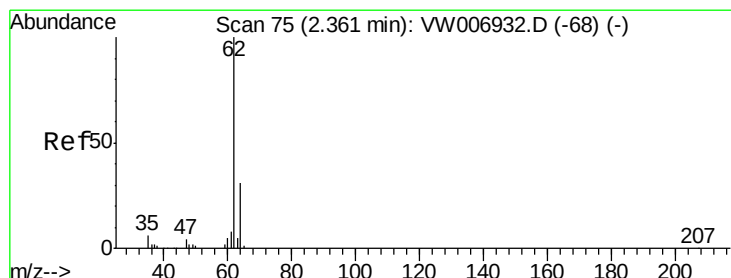
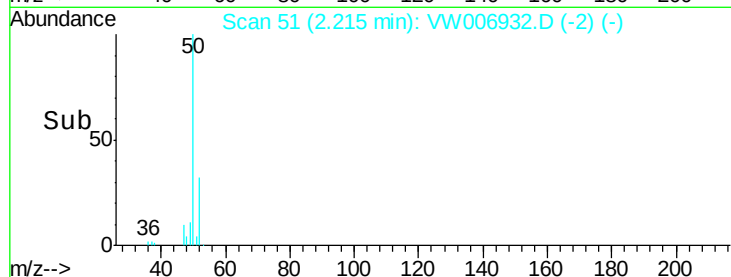
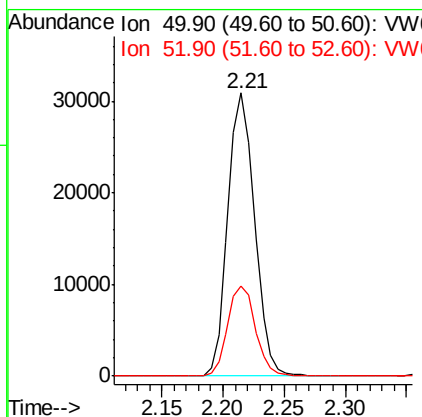
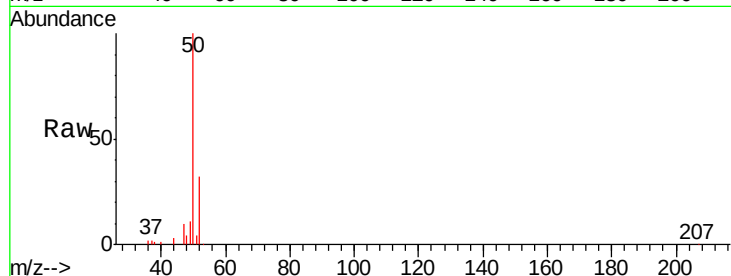
52 31.8 25.4 38.2

Manual Integrations

APPROVED

sam

11/19/2018 5:00:14 PM



#4

Vinyl Chloride

Concen: 42.47 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006932.D

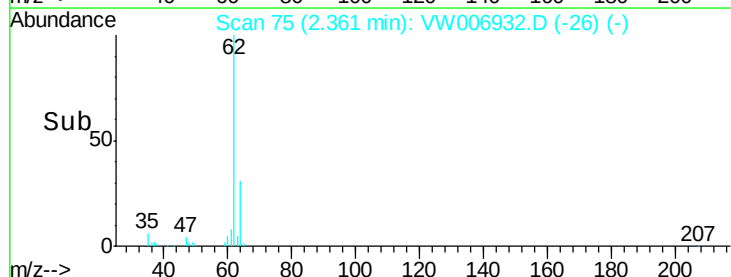
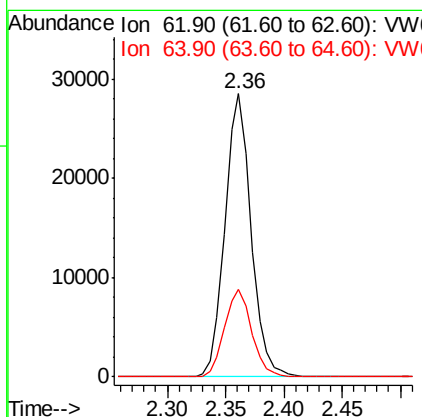
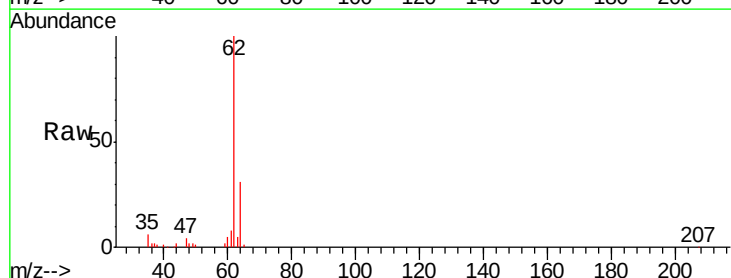
Acq: 17 Nov 2018 00:09

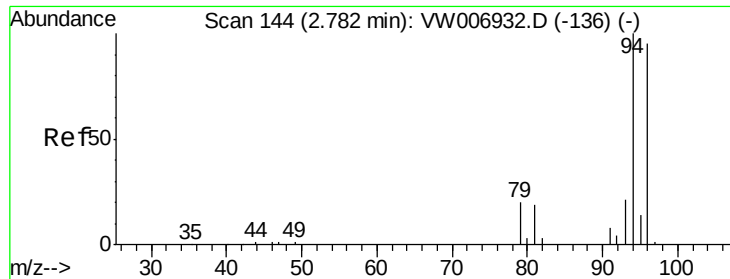
Tgt Ion: 62 Resp: 44445

Ion Ratio Lower Upper

62 100

64 30.8 24.6 37.0





#5

Bromomethane

Concen: 35.36 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 94 Resp: 24146

Ion Ratio Lower Upper

94 100

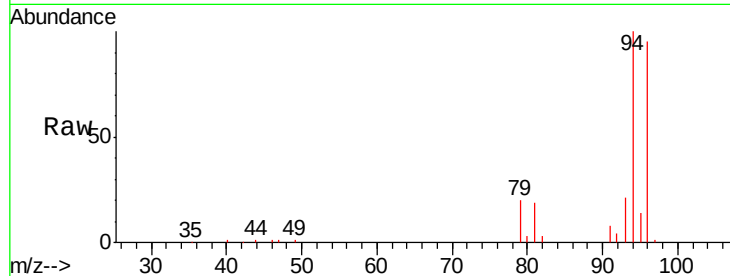
96 95.3 76.2 114.4

Manual Integrations

APPROVED

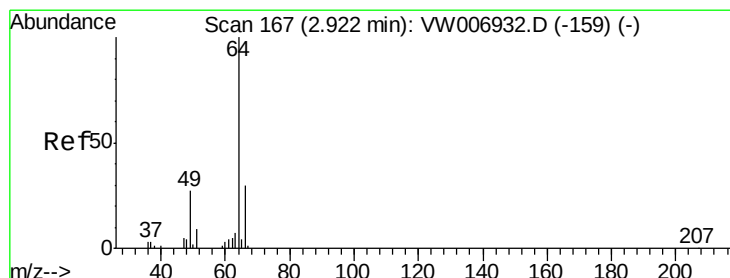
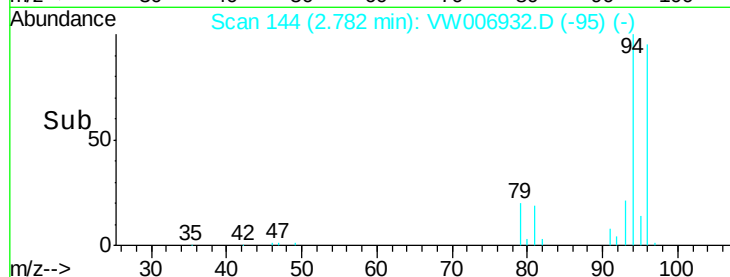
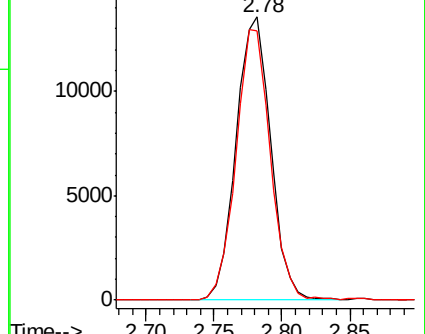
sam

11/19/2018 5:00:14 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 37.85 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006932.D

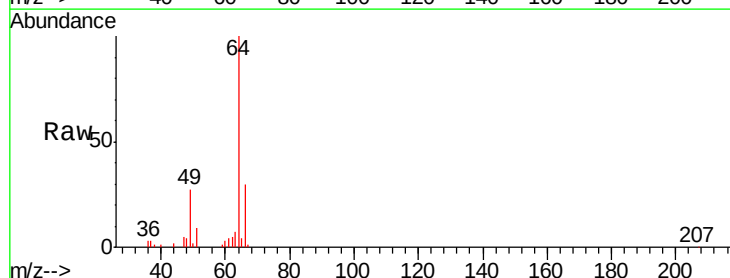
Acq: 17 Nov 2018 00:09

Tgt Ion: 64 Resp: 25329

Ion Ratio Lower Upper

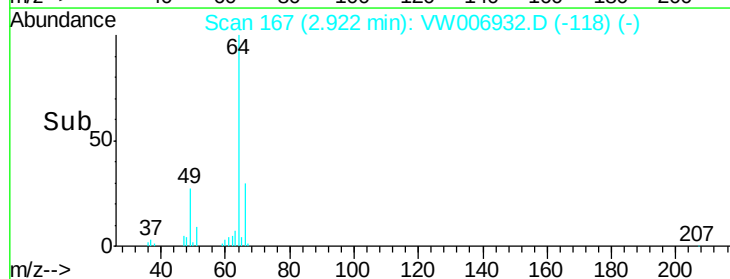
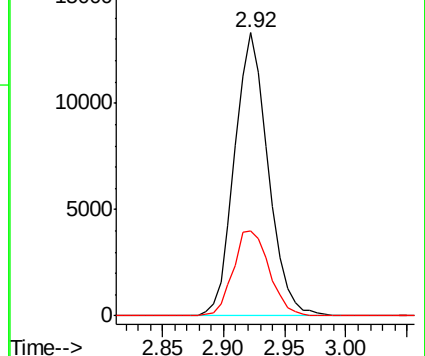
64 100

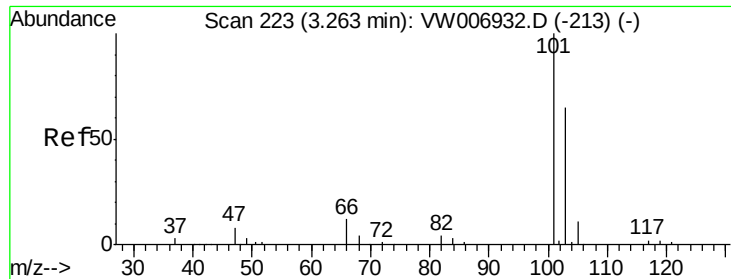
66 30.0 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

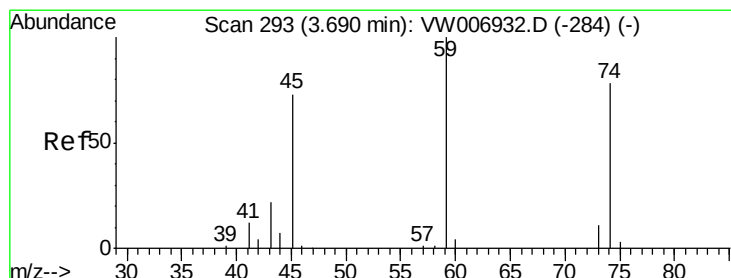
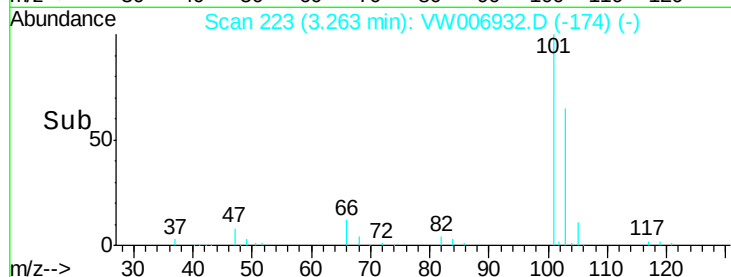
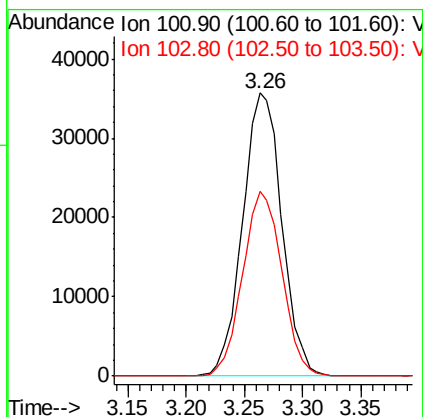
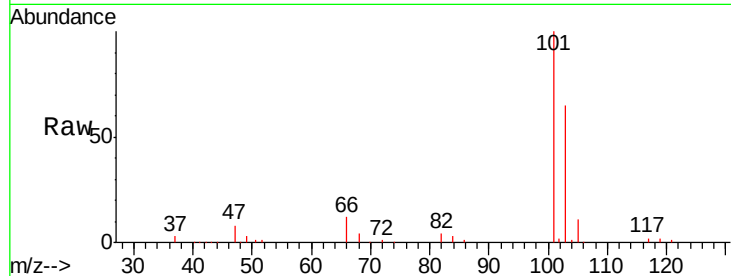
Trichlorofluoromethane
 Concen: 56.91 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 101 Resp: 83837
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.2 78.2

Manual Integrations
 APPROVED

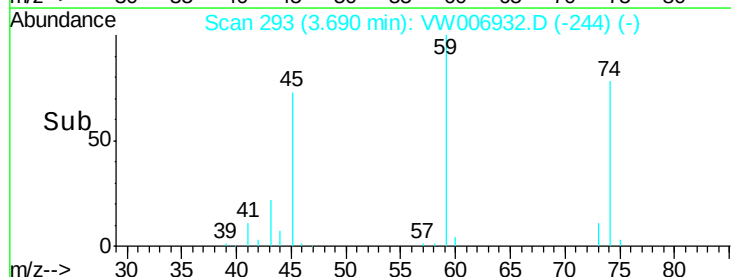
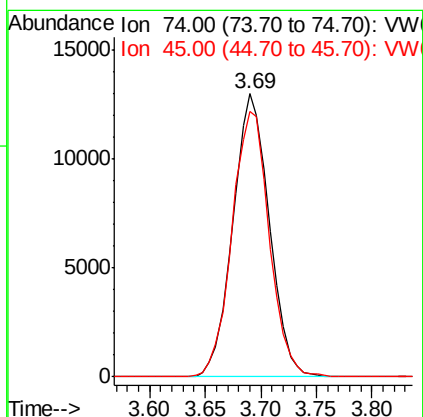
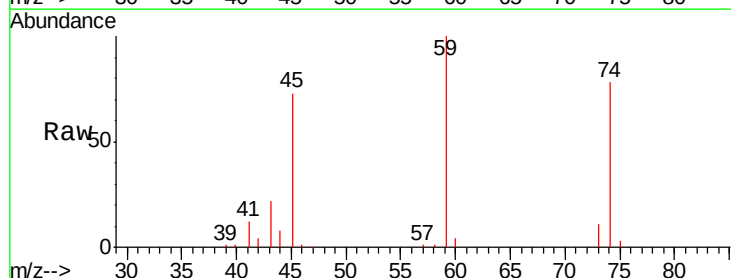
sam
 11/19/2018 5:00:14 PM

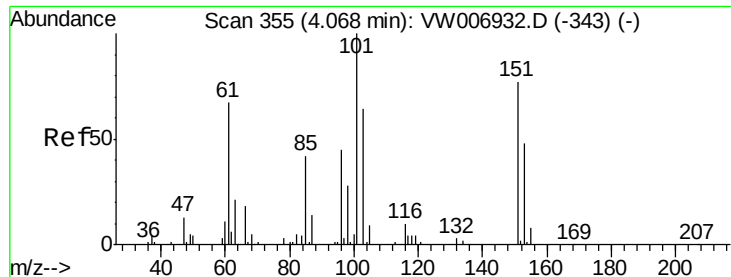


#8

Diethyl Ether
 Concen: 65.27 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion: 74 Resp: 29442
 Ion Ratio Lower Upper
 74 100
 45 96.1 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.36 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

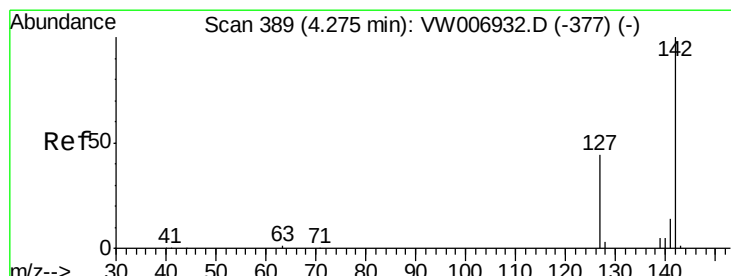
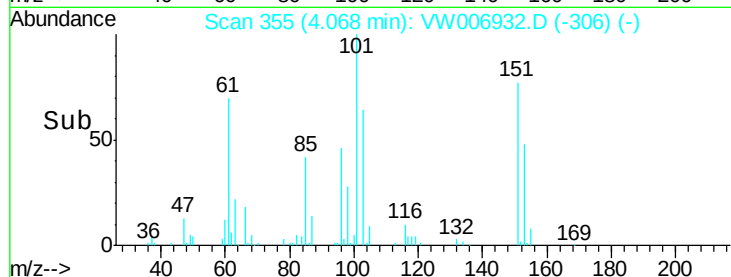
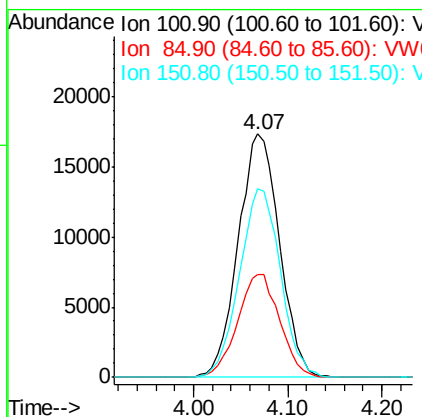
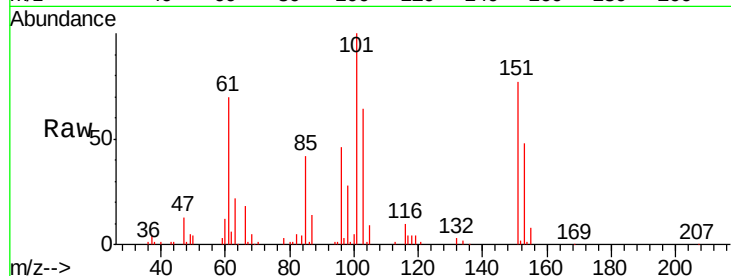
ClientSampleId :

VSTDICCC050

Tgt Ion:	101	Resp:	52952
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.5	51.7
151	76.9	61.5	92.3

Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM



#10

Methyl Iodide

Concen: 50.64 ug/l

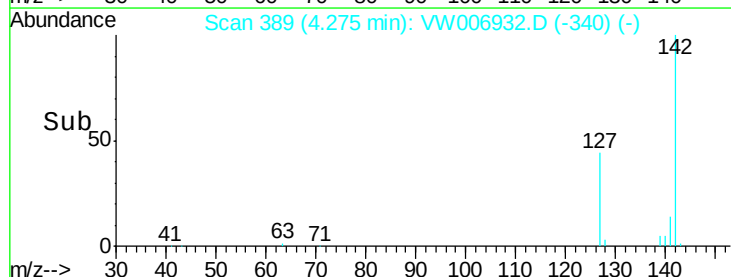
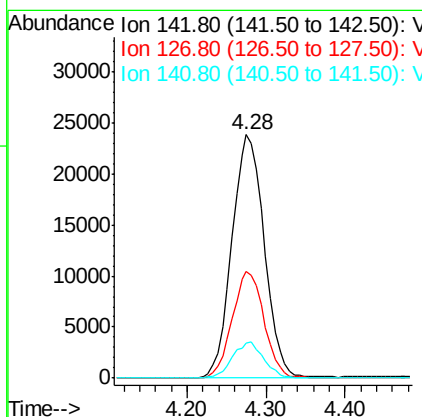
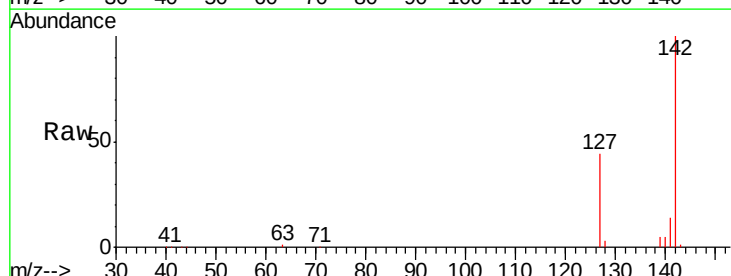
RT: 4.28 min Scan# 389

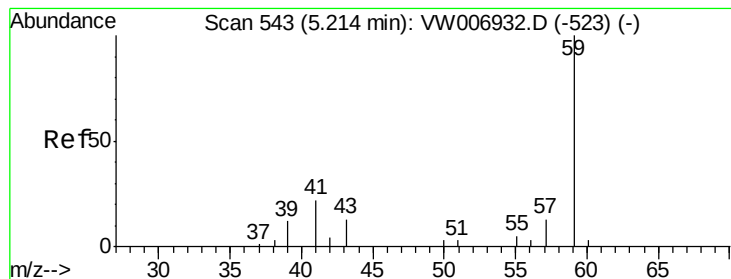
Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion:	142	Resp:	68230
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.4	51.6
141	14.4	11.5	17.3





#11

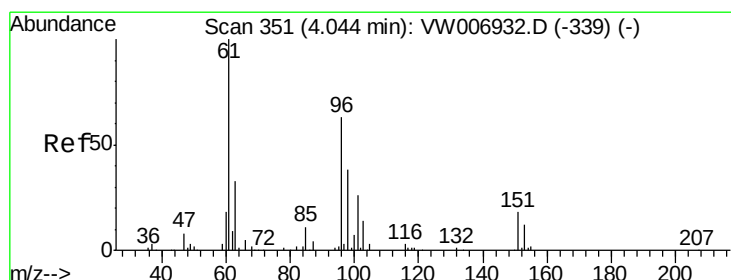
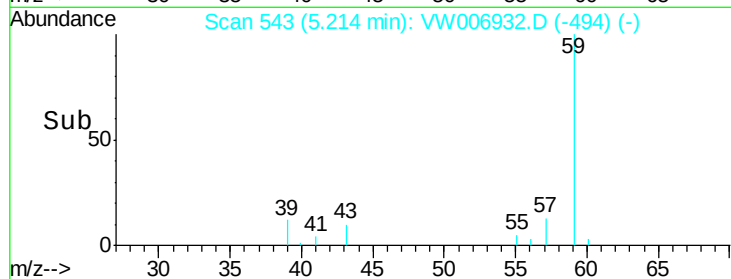
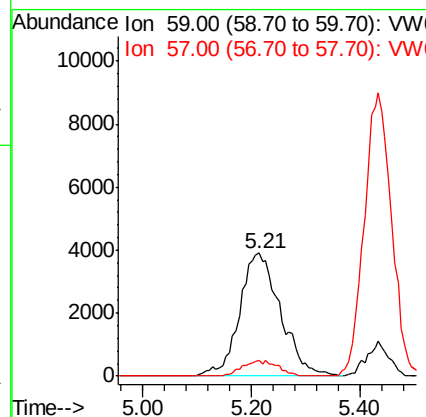
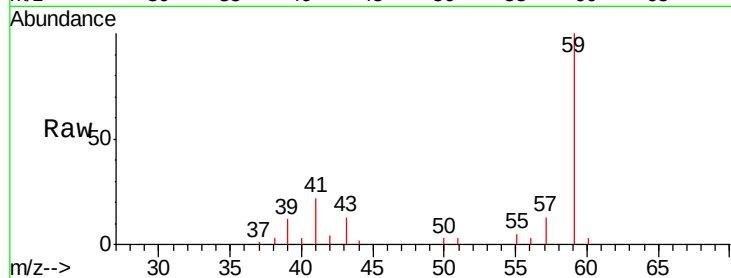
Tert butyl alcohol
Concen: 358.98 ug/l
RT: 5.21 min Scan# 543
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.8	13.2

Manual Integrations
APPROVED

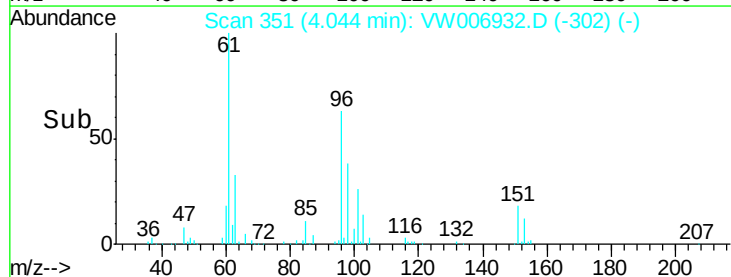
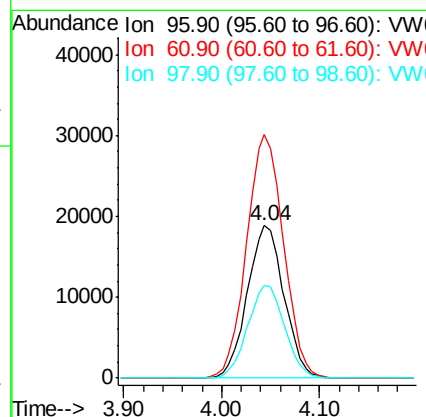
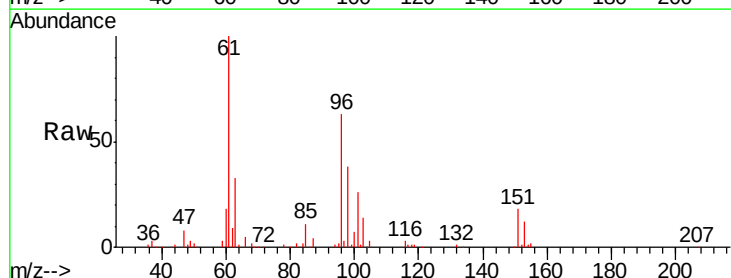
sam
11/19/2018 5:00:14 PM

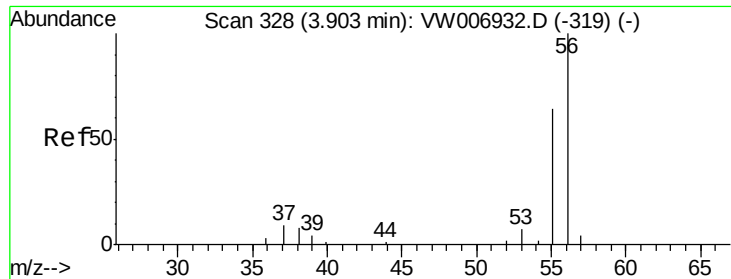


#12

1,1-Dichloroethene
Concen: 58.01 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	127.8	191.8
98	60.4	48.3	72.5





#13

Acrolein

Concen: 333.86 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 19855

Ion Ratio Lower Upper

56 100

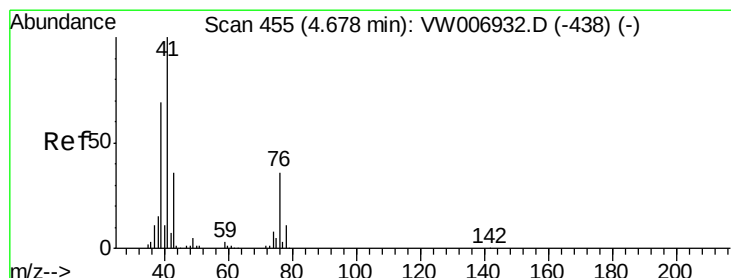
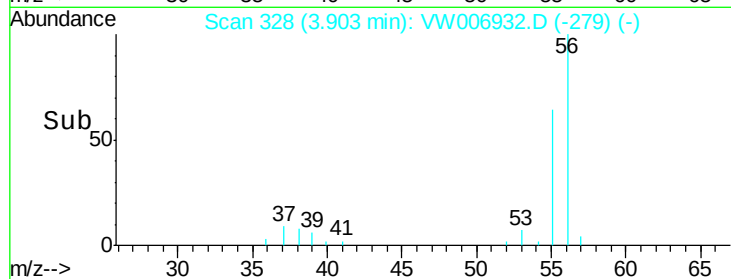
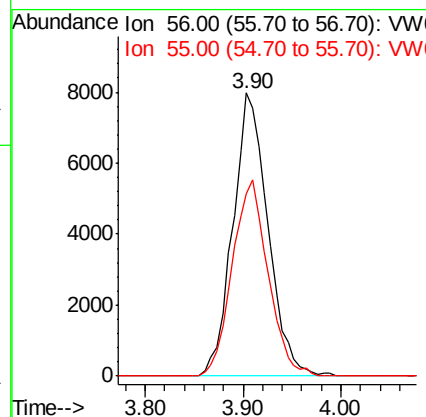
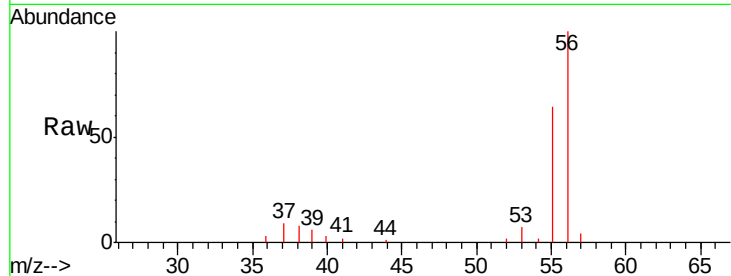
55 70.6 56.5 84.7

Manual Integrations

APPROVED

sam

11/19/2018 5:00:14 PM



#14

Allyl chloride

Concen: 72.72 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

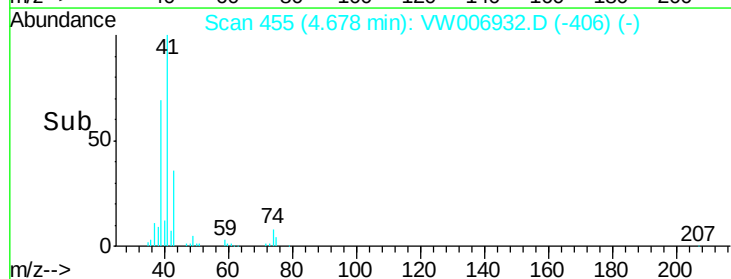
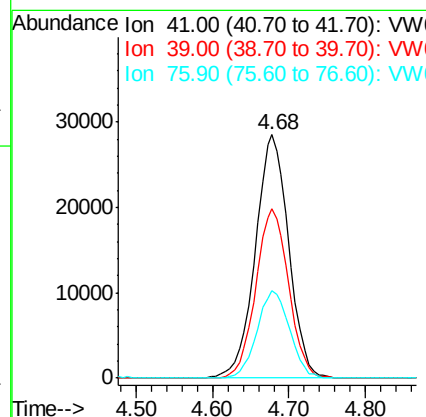
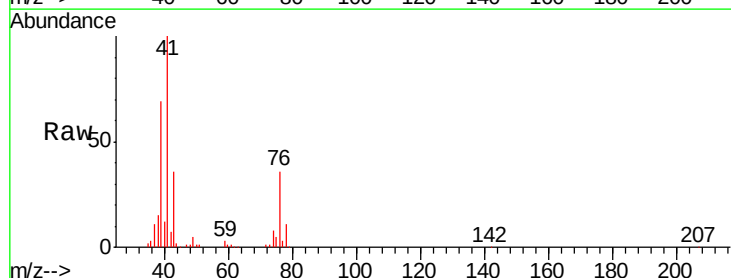
Tgt Ion: 41 Resp: 86303

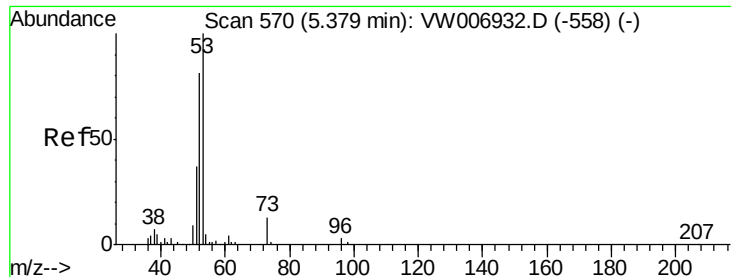
Ion Ratio Lower Upper

41 100

39 68.7 55.0 82.4

76 35.0 28.0 42.0





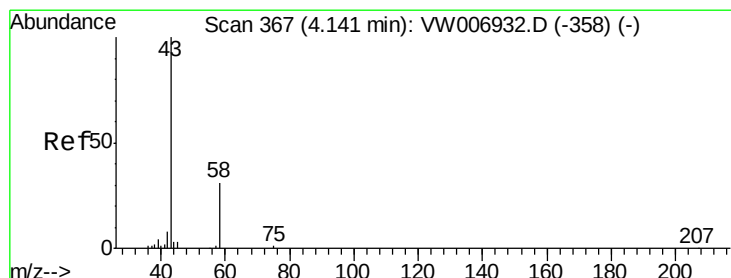
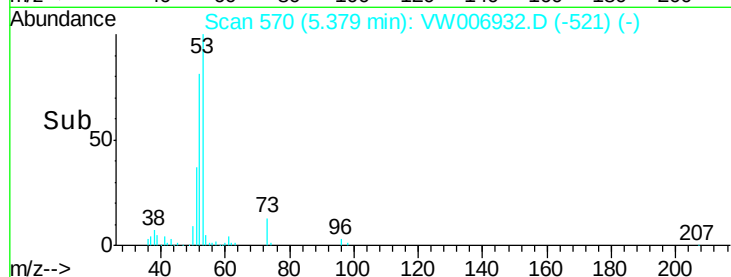
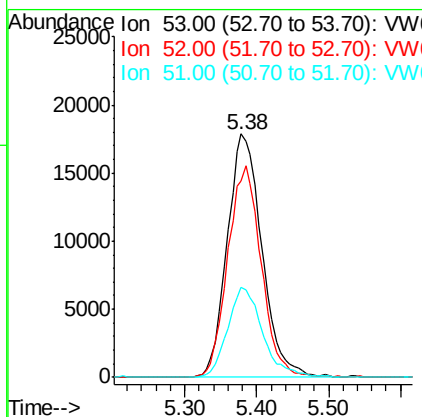
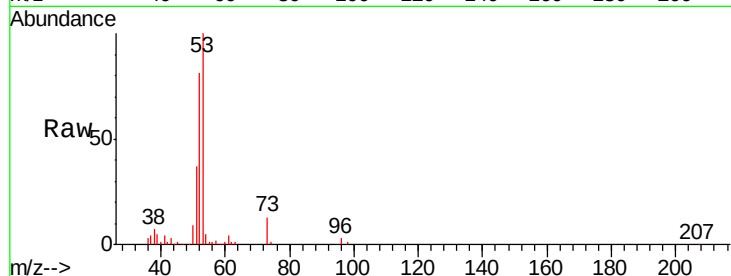
#15
 Acrylonitrile
 Concen: 348.44 ug/l
 RT: 5.38 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:	53	Resp:	59960
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.6
51	37.2	29.8	44.6

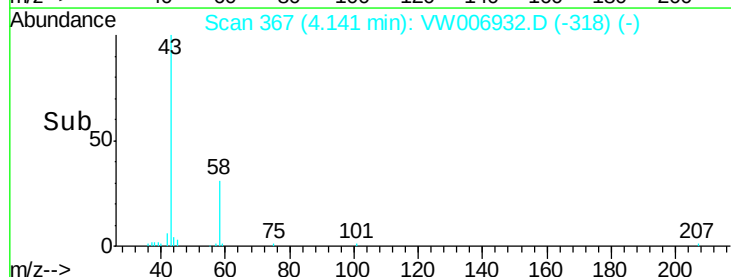
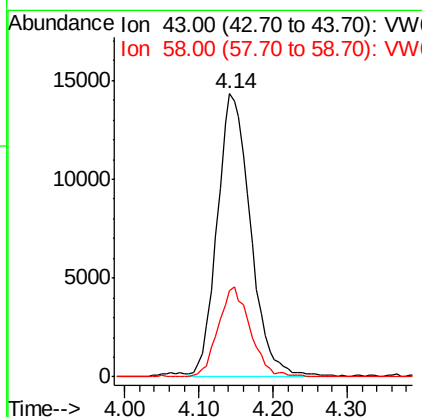
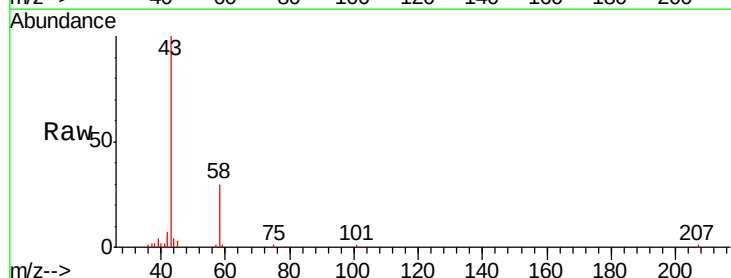
Manual Integrations
 APPROVED

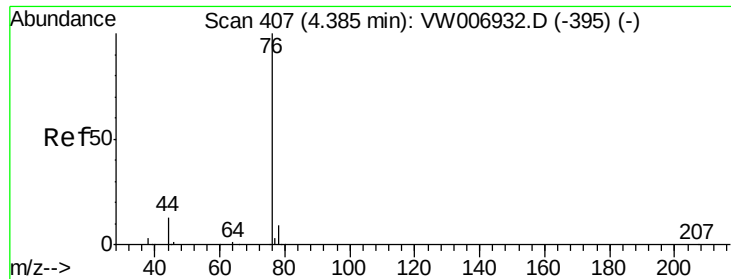
sam
 11/19/2018 5:00:14 PM



#16
 Acetone
 Concen: 356.06 ug/l
 RT: 4.14 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion:	43	Resp:	44694
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.2	36.4





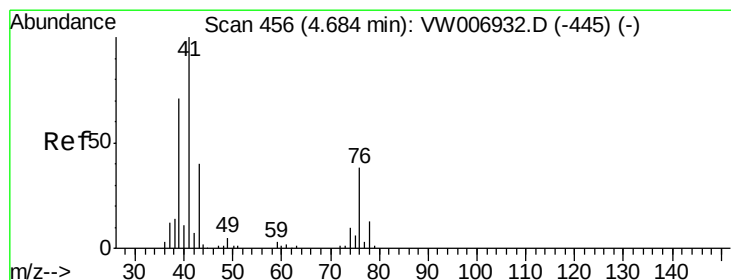
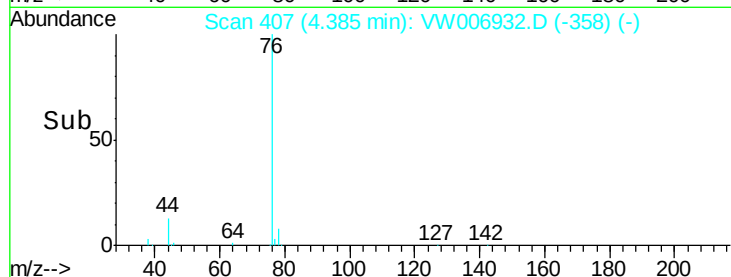
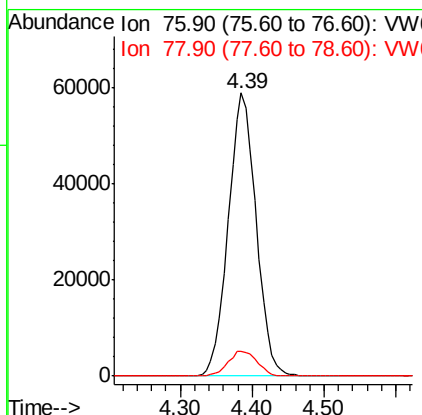
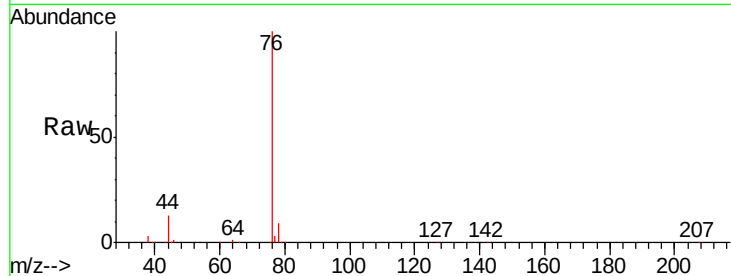
#17
Carbon Disulfide
Concen: 59.14 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

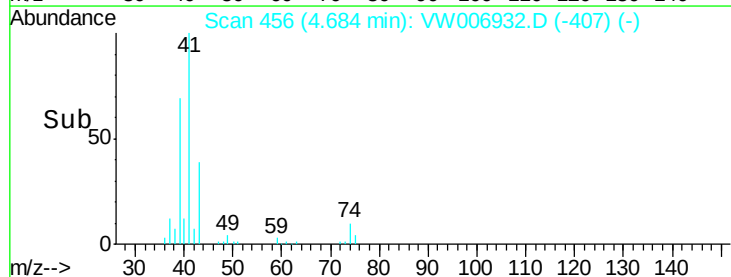
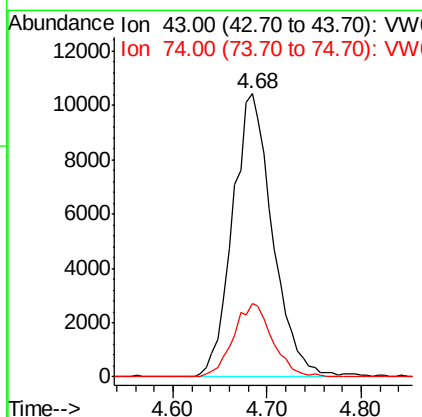
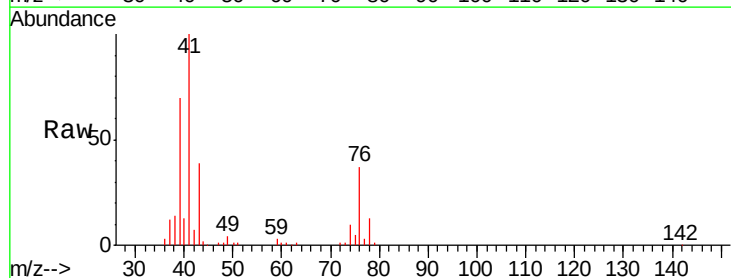
Manual Integrations
APPROVED

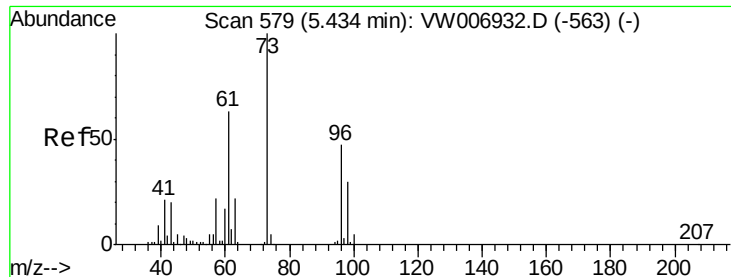
sam
11/19/2018 5:00:14 PM



#18
Methyl Acetate
Concen: 71.62 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	20.3	30.5





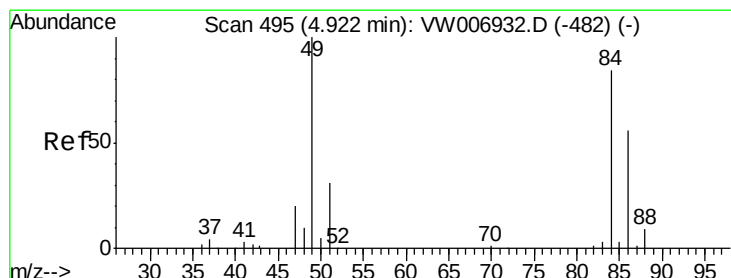
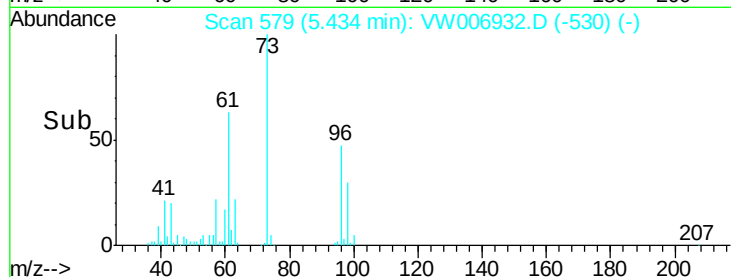
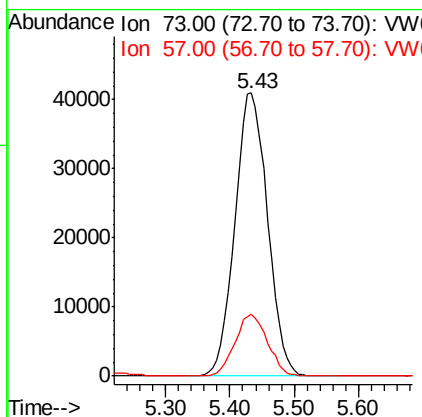
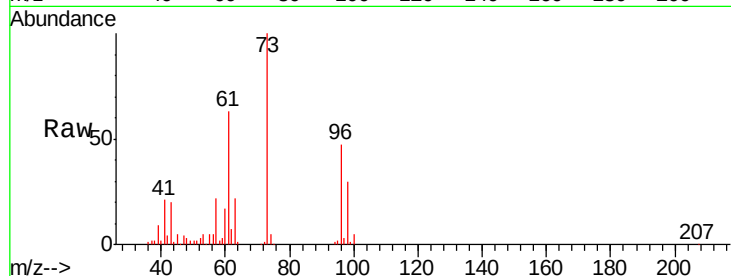
#19
Methyl tert-butyl Ether
Concen: 68.45 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 143604
Ion Ratio Lower Upper
73 100
57 21.9 17.5 26.3

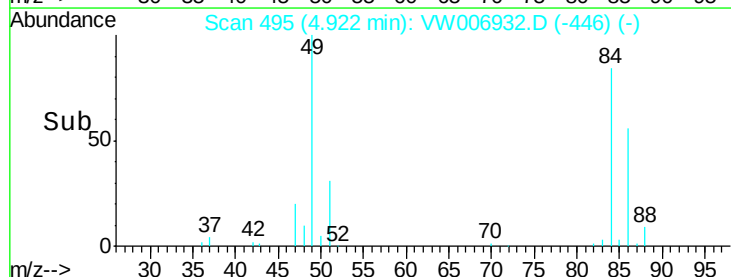
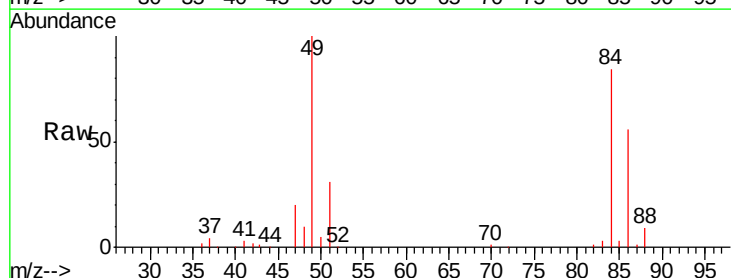
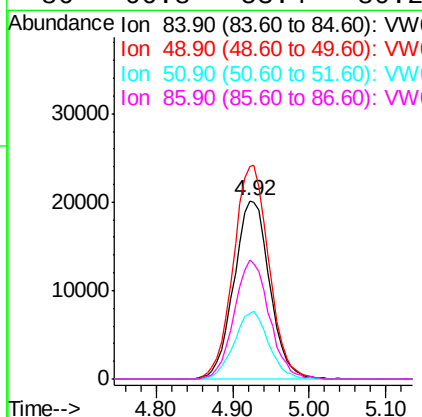
Manual Integrations
APPROVED

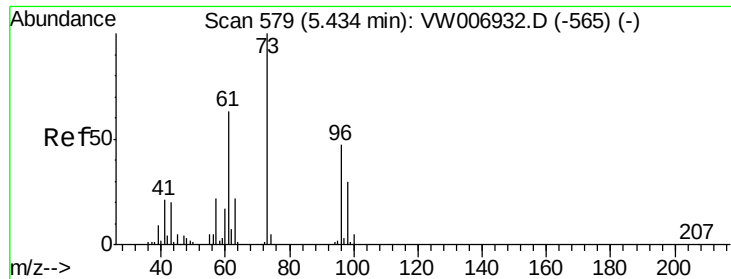
sam
11/19/2018 5:00:14 PM



#20
Methylene Chloride
Concen: 49.67 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion: 84 Resp: 65033
Ion Ratio Lower Upper
84 100
49 119.3 95.4 143.2
51 36.9 29.5 44.3
86 66.8 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 57.20 ug/l

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

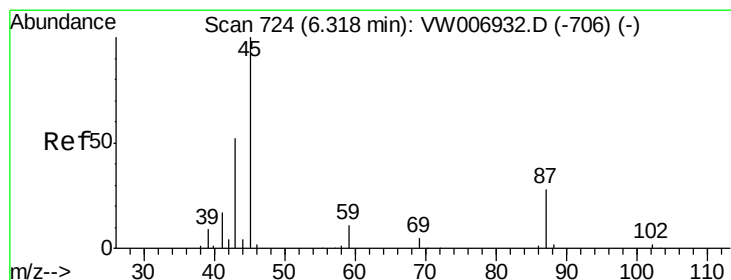
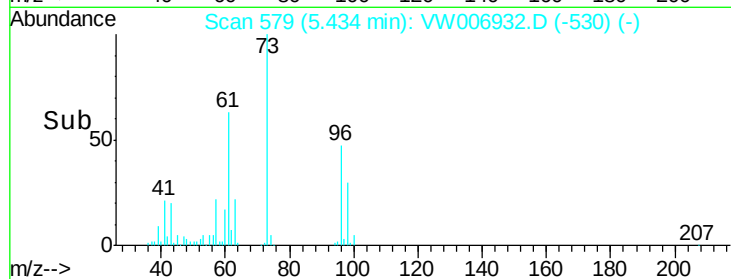
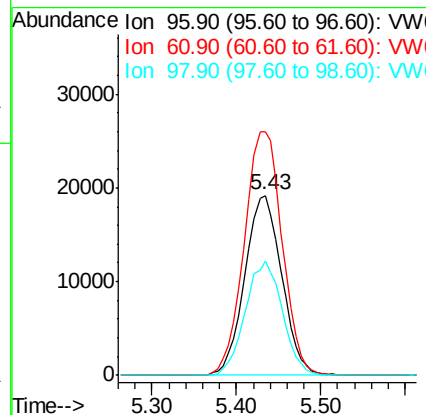
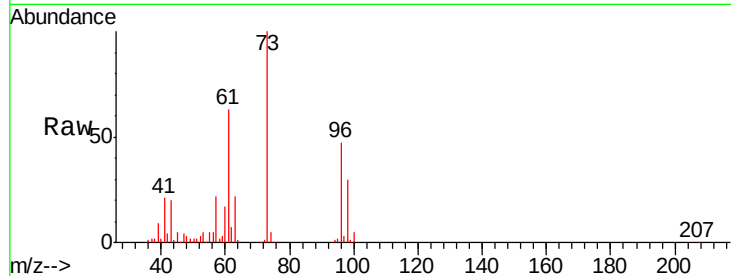
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	57214
Ion	Ratio	Lower	Upper
96	100		
61	135.3	108.2	162.4
98	63.3	50.6	76.0

Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM



#22

Diisopropyl ether

Concen: 71.62 ug/l

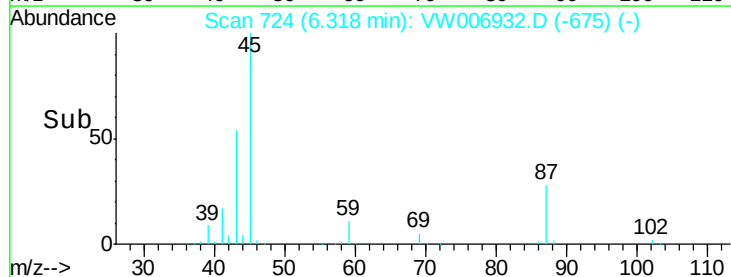
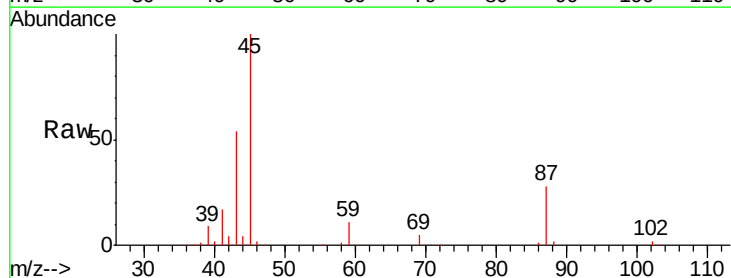
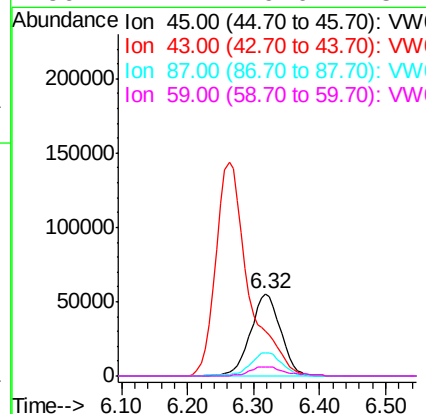
RT: 6.32 min Scan# 724

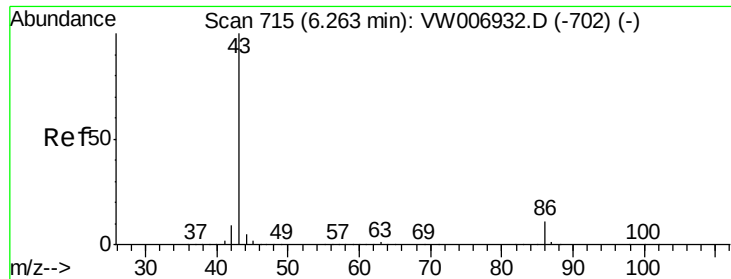
Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion:	45	Resp:	175091
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.1	64.7
87	28.4	22.7	34.1
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 356.88 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 491291

Ion Ratio Lower Upper

43 100

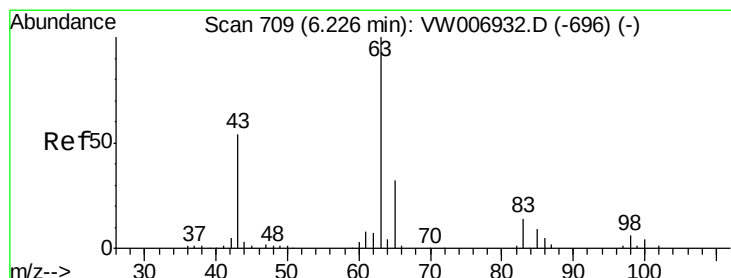
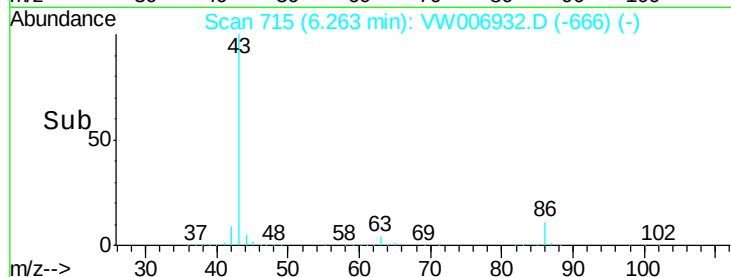
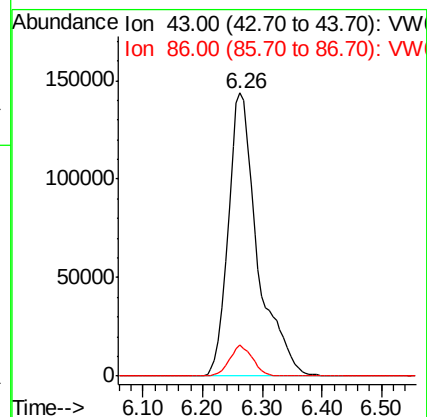
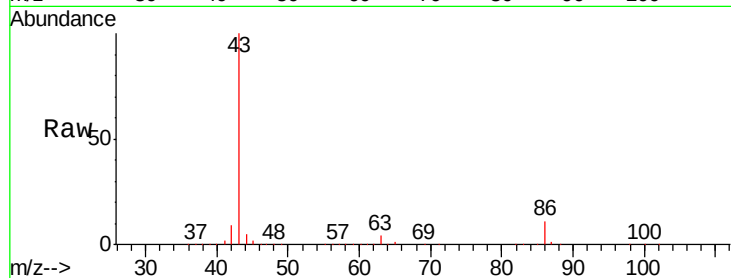
86 10.9 8.7 13.1

Manual Integrations

APPROVED

sam

11/19/2018 5:00:14 PM



#24

1,1-Dichloroethane

Concen: 63.23 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

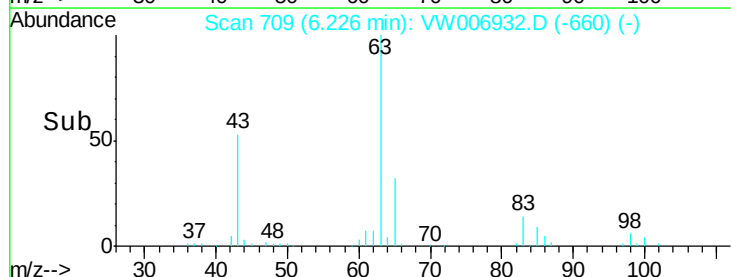
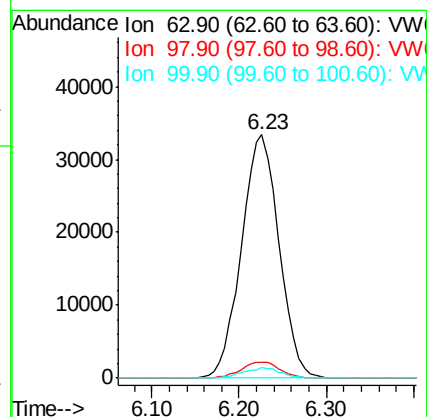
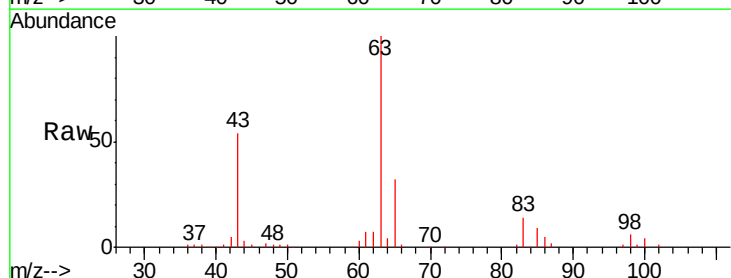
Tgt Ion: 63 Resp: 99580

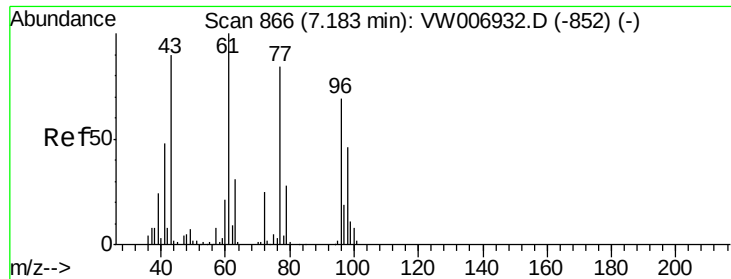
Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 353.16 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 74453

Ion Ratio Lower Upper

43 100

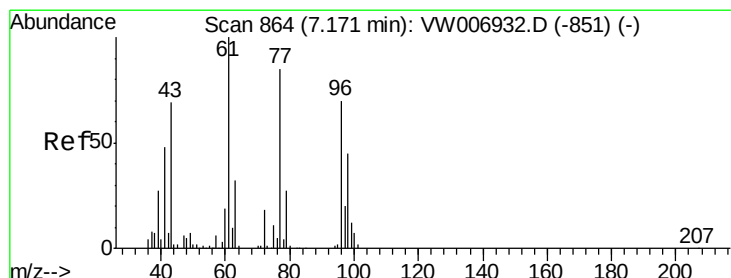
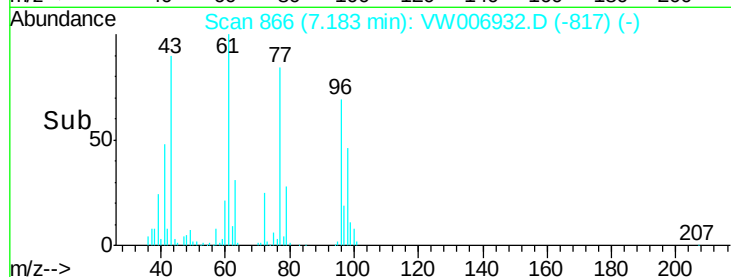
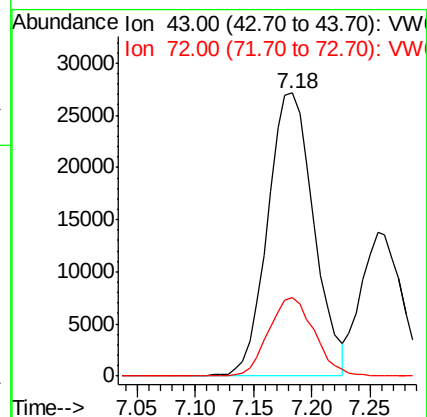
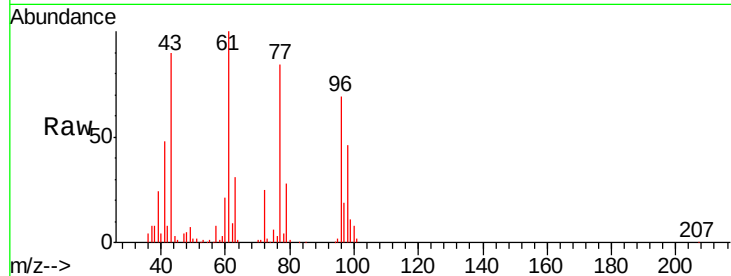
72 27.6 22.1 33.1

Manual Integrations

APPROVED

sam

11/19/2018 5:00:14 PM



#26

2,2-Dichloropropane

Concen: 54.70 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006932.D

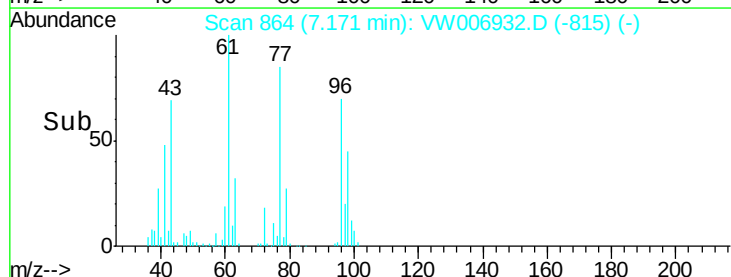
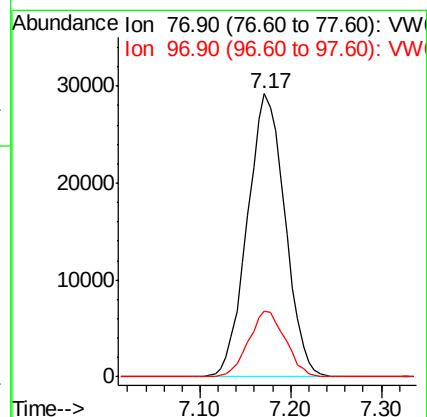
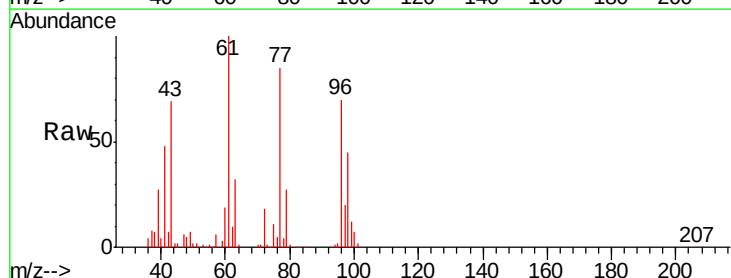
Acq: 17 Nov 2018 00:09

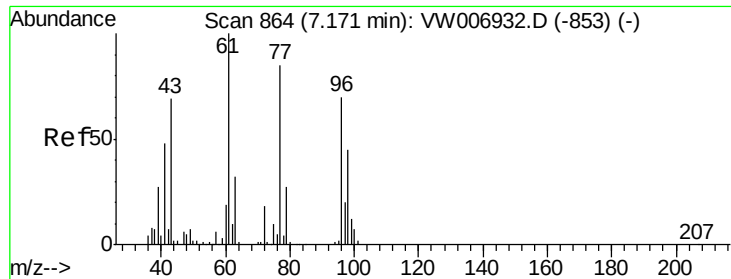
Tgt Ion: 77 Resp: 84075

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 59.12 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

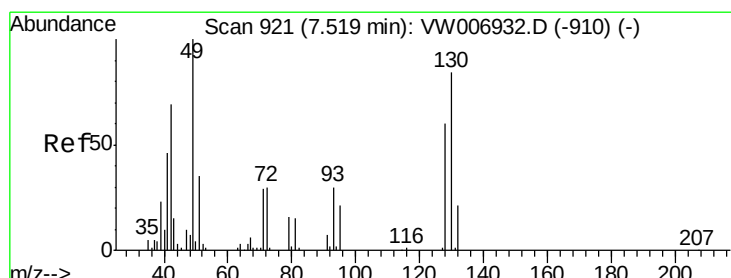
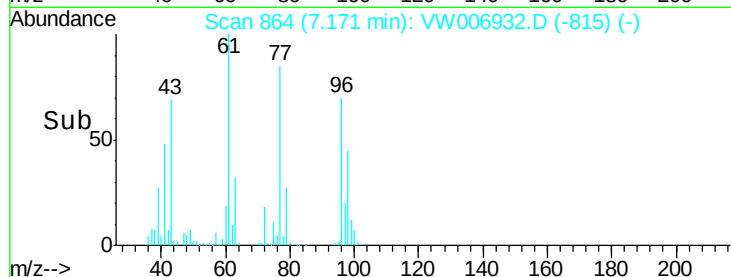
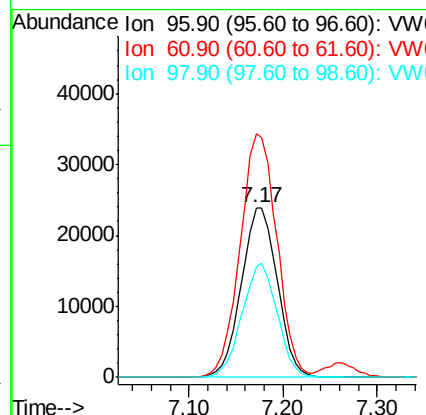
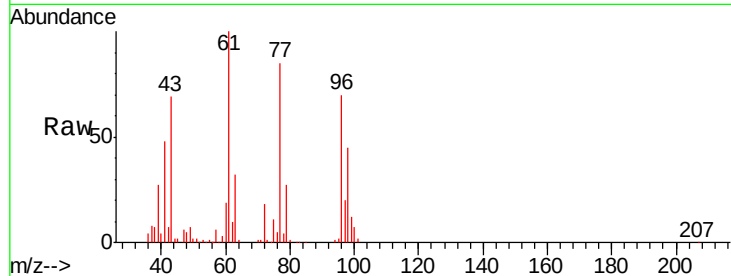
ClientSampleId :

VSTDICCC050

Tgt Ion:	96	Resp:	63515
Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	293.8
98	65.5	0.0	131.0

Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM



#28

Bromochloromethane

Concen: 63.99 ug/l

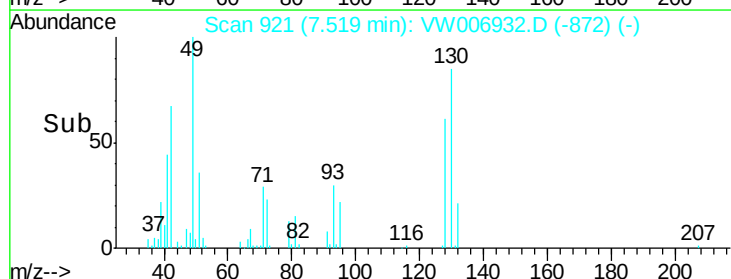
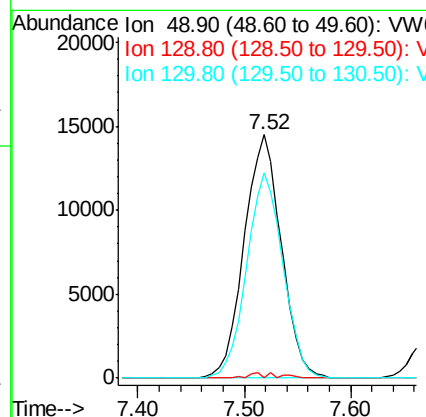
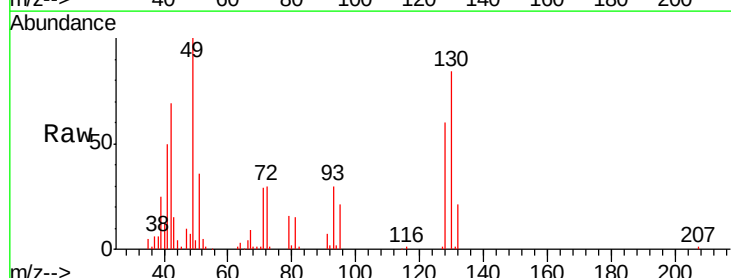
RT: 7.52 min Scan# 921

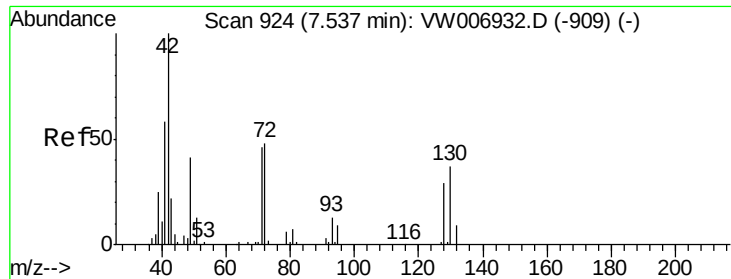
Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion:	49	Resp:	35481
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	1.6
130	82.6	66.1	99.1





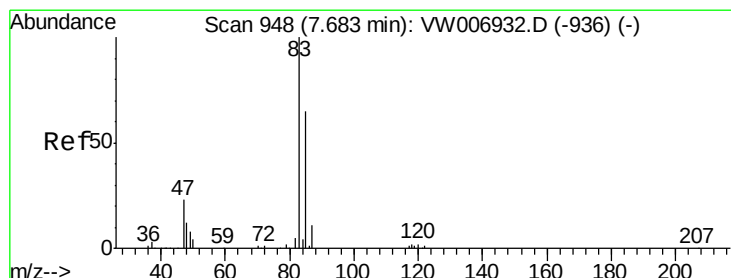
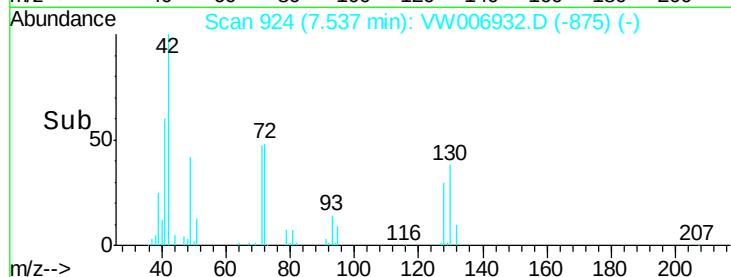
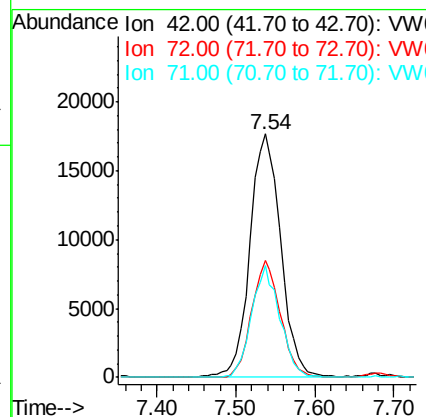
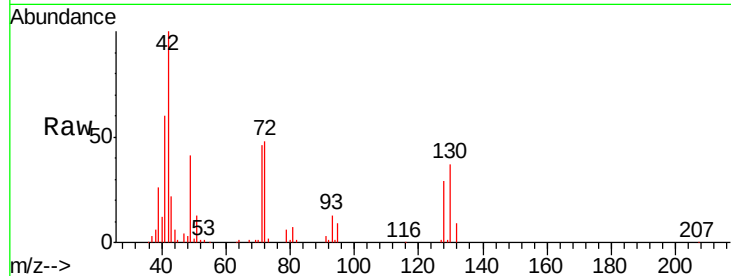
#29
Tetrahydrofuran
Concen: 355.57 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 47989
Ion Ratio Lower Upper
42 100
72 44.6 35.7 53.5
71 42.1 33.7 50.5

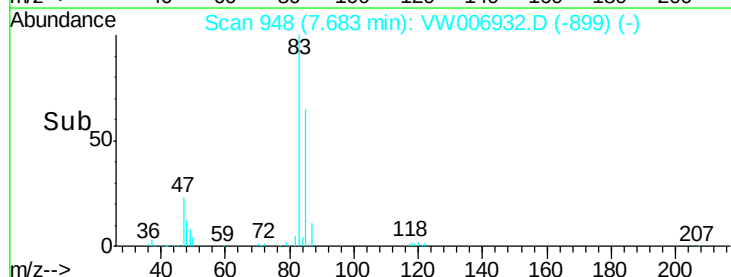
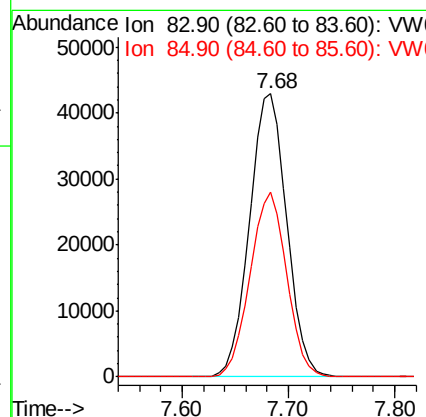
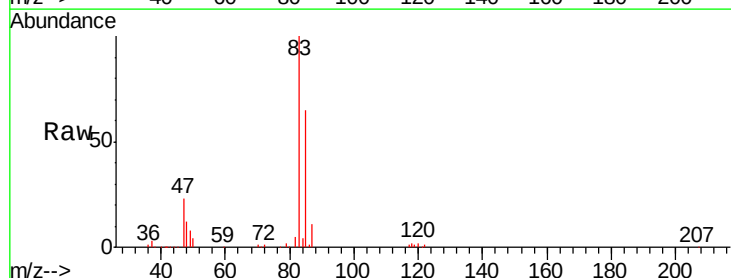
Manual Integrations
APPROVED

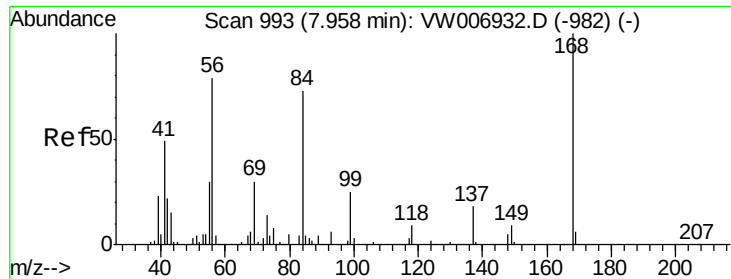
sam
11/19/2018 5:00:14 PM



#30
Chloroform
Concen: 61.62 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion: 83 Resp: 105183
Ion Ratio Lower Upper
83 100
85 65.3 52.2 78.4





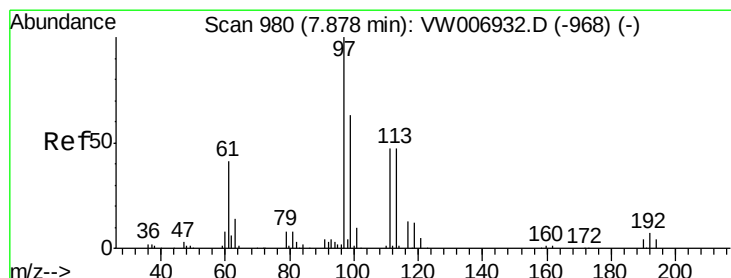
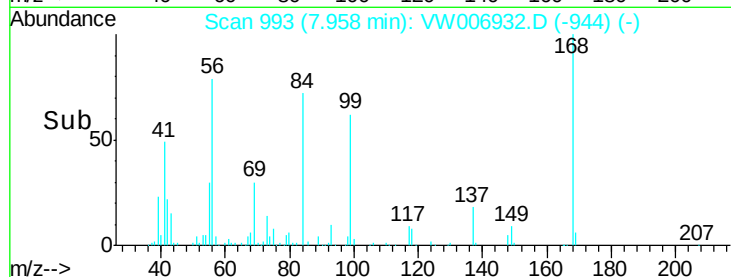
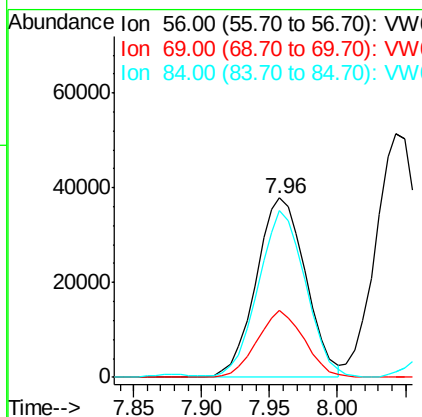
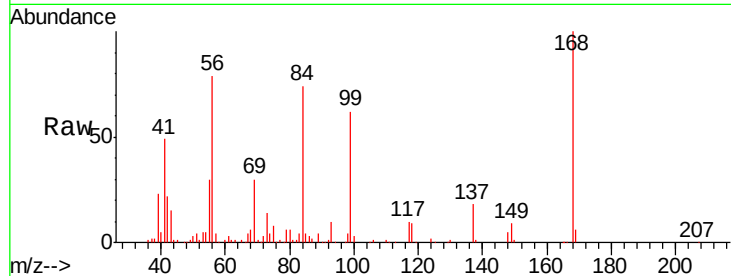
#31
Cyclohexane
Concen: 60.32 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	37.7	30.2	45.2
84	92.0	73.6	110.4

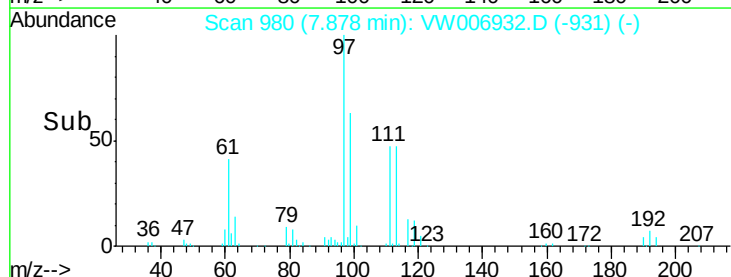
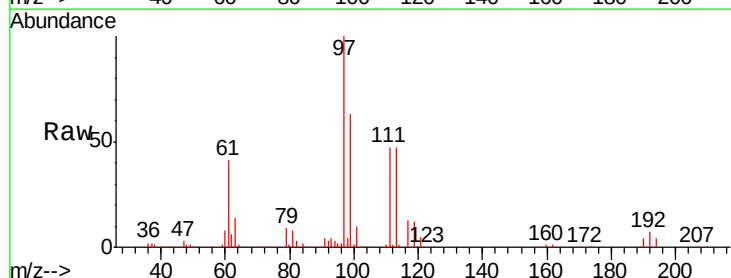
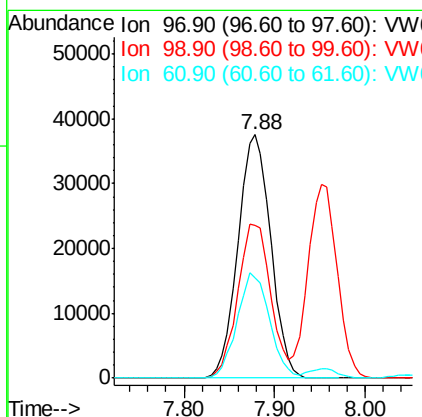
Manual Integrations
APPROVED

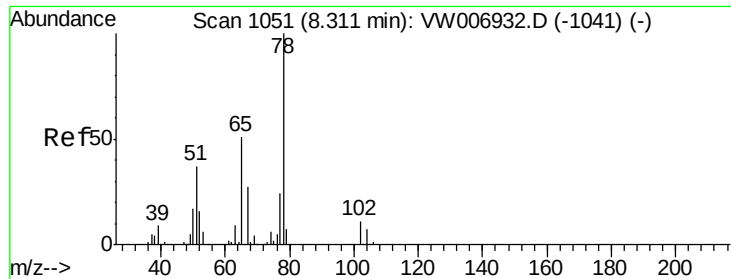
sam
11/19/2018 5:00:14 PM



#32
1,1,1-Trichloroethane
Concen: 58.03 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	42.7	34.2	51.2





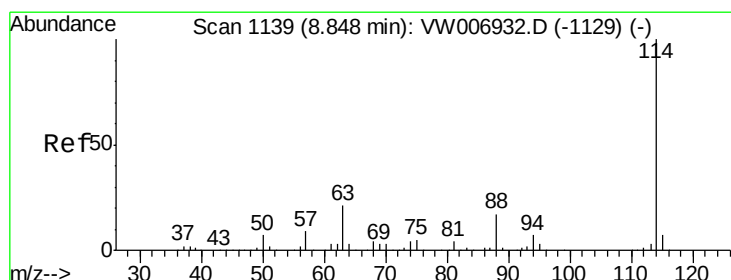
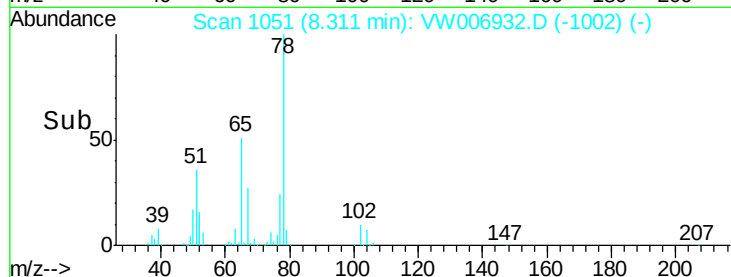
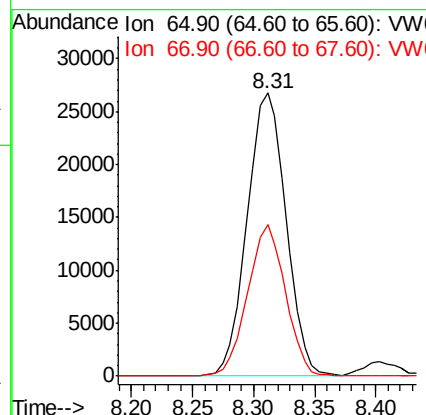
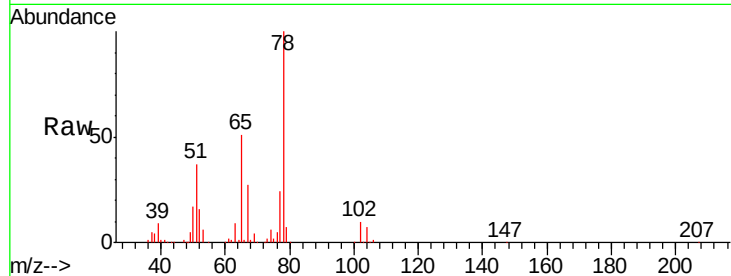
#33
 1,2-Dichloroethane-d4
 Concen: 68.16 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 65 Resp: 59287
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0

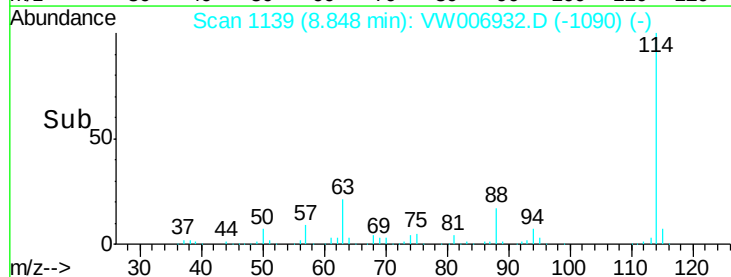
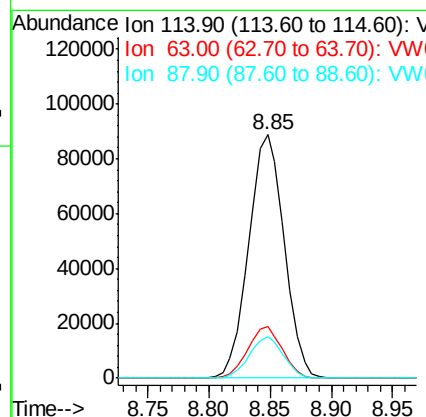
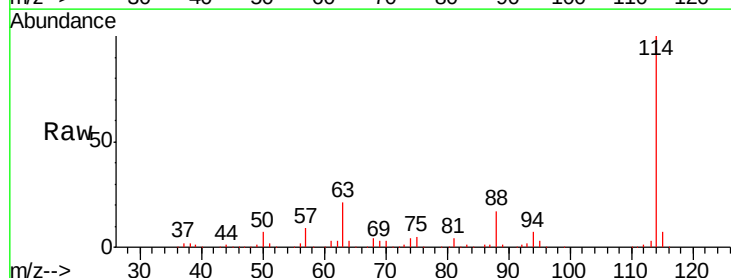
Manual Integrations
 APPROVED

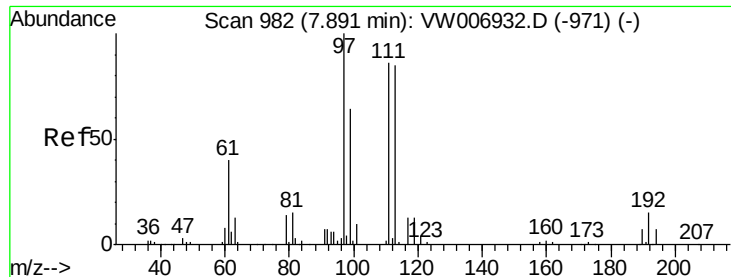
sam
 11/19/2018 5:00:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion: 114 Resp: 179323
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 42.2
 88 16.7 0.0 33.4





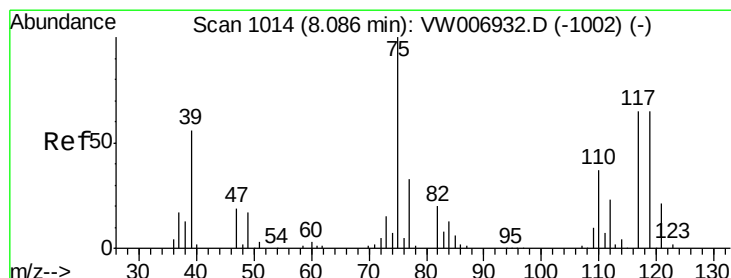
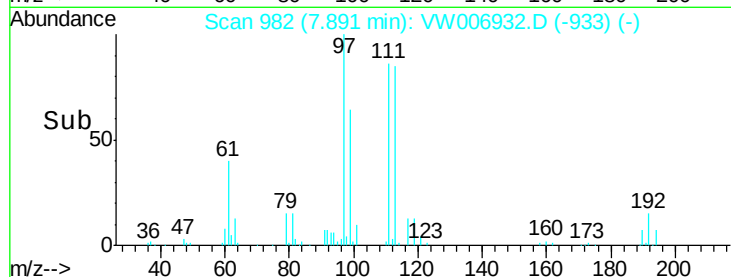
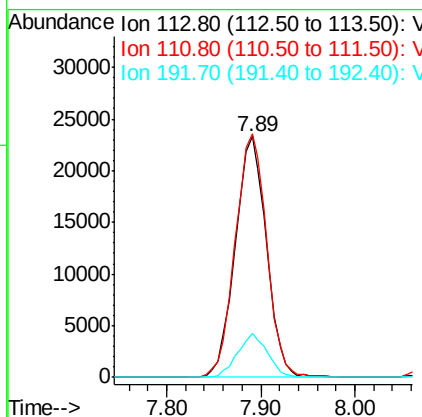
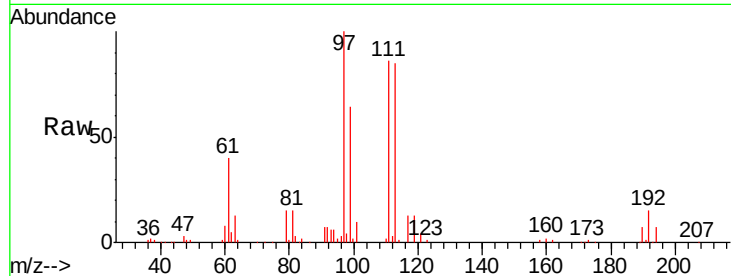
#35
 Dibromofluoromethane
 Concen: 49.82 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	53878		
111	102.1	81.7	122.5	
192	17.4	13.9	20.9	

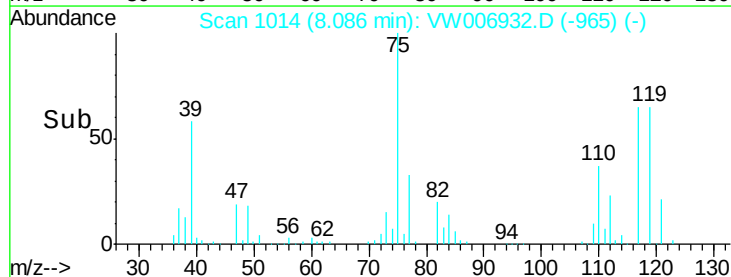
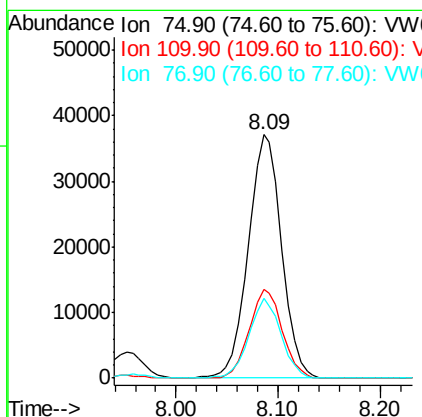
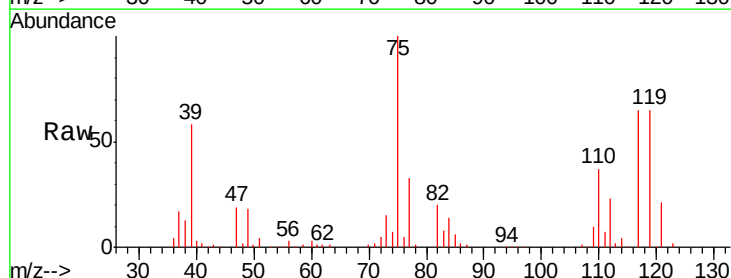
Manual Integrations
 APPROVED

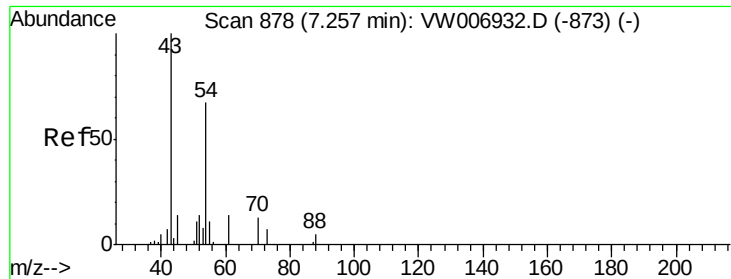
sam
 11/19/2018 5:00:14 PM



#36
 1,1-Dichloropropene
 Concen: 50.08 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	84138		
110	36.1	18.1	54.1	
77	31.7	25.4	38.0	





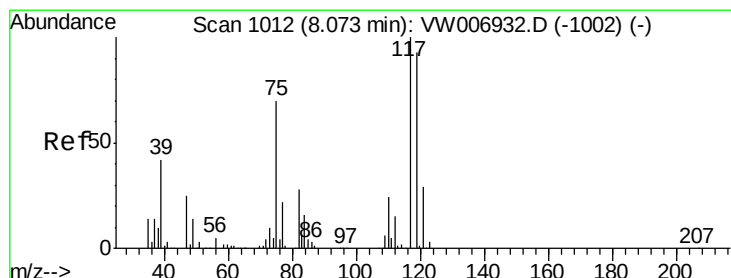
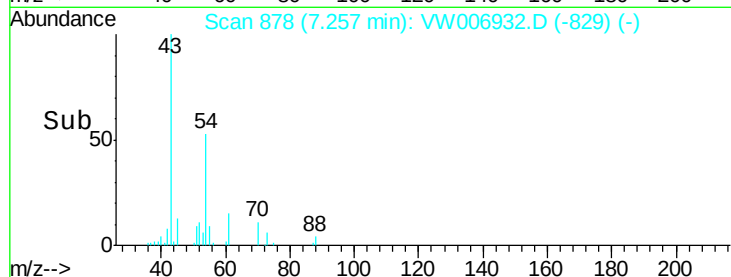
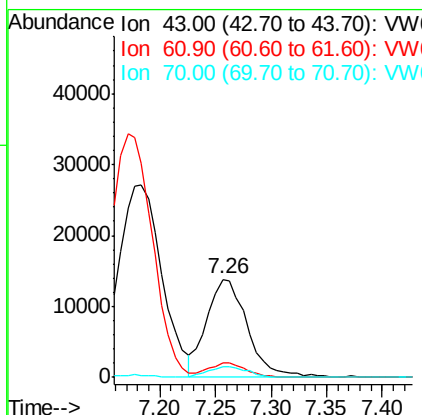
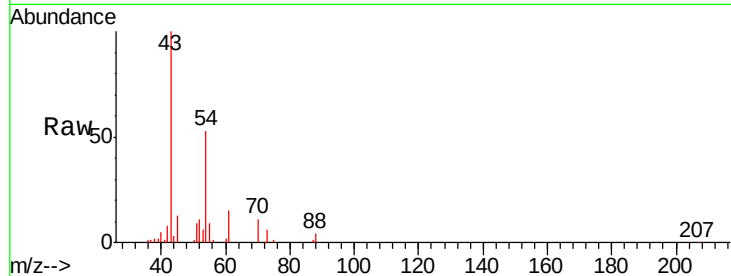
#37
Ethyl Acetate
Concen: 60.18 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 34538
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.6
70 11.0 8.8 13.2

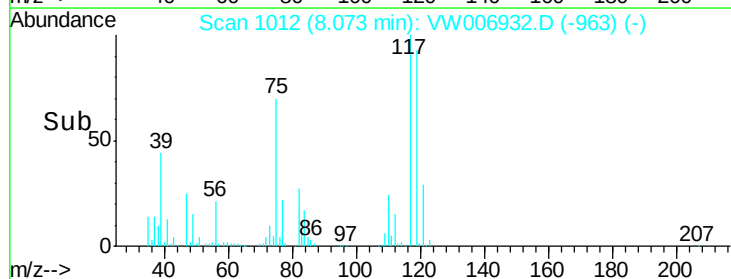
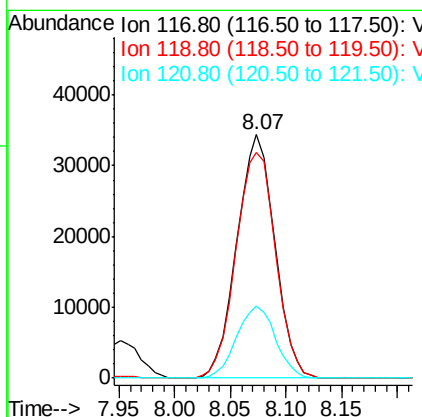
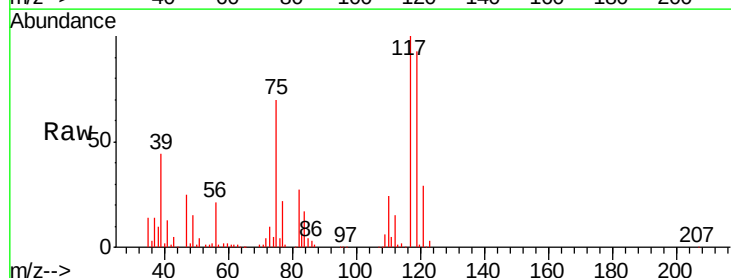
Manual Integrations
APPROVED

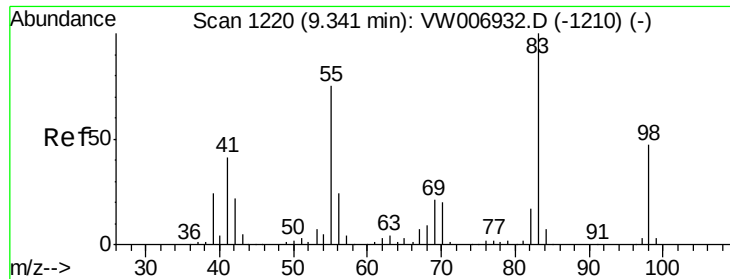
sam
11/19/2018 5:00:14 PM



#38
Carbon Tetrachloride
Concen: 45.36 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion: 117 Resp: 81422
Ion Ratio Lower Upper
117 100
119 92.8 74.2 111.4
121 29.4 23.5 35.3





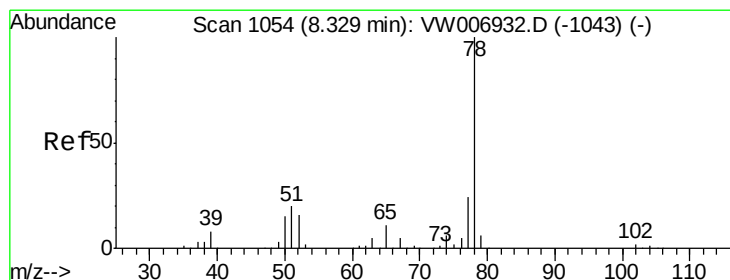
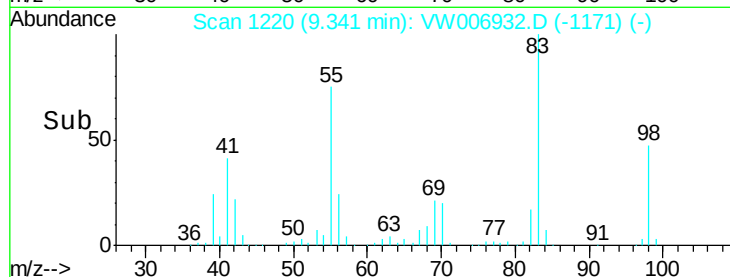
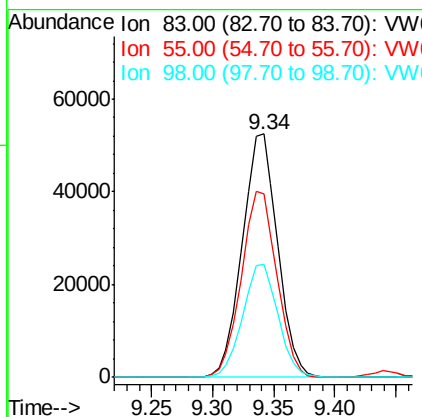
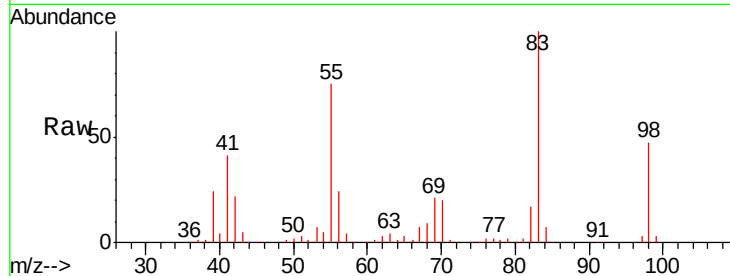
#39
Methylcyclohexane
Concen: 49.04 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.3	60.2	90.4
98	46.6	37.3	55.9

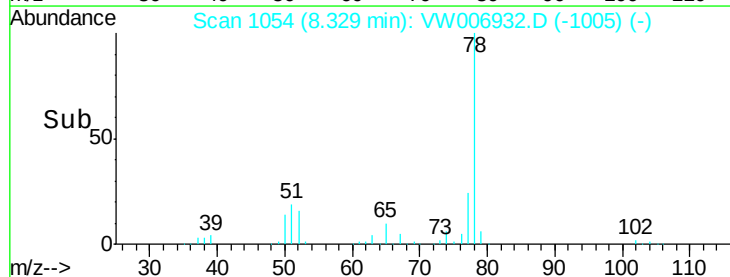
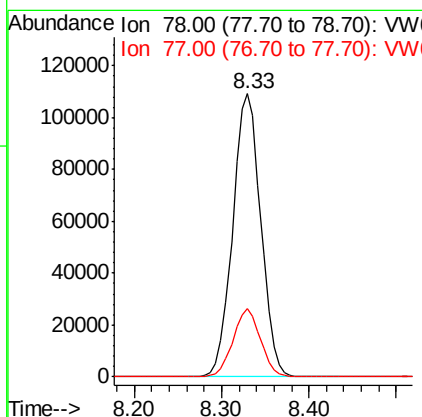
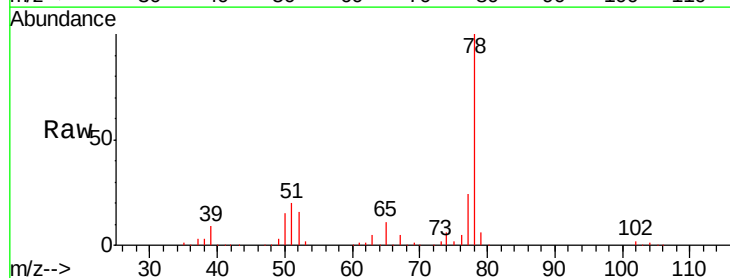
Manual Integrations
APPROVED

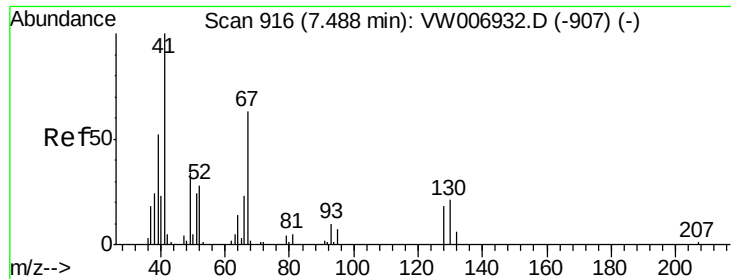
sam
11/19/2018 5:00:14 PM



#40
Benzene
Concen: 51.83 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





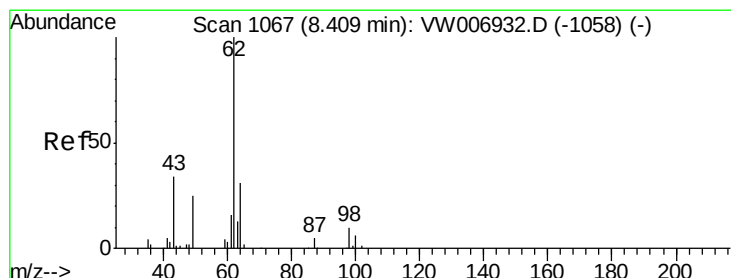
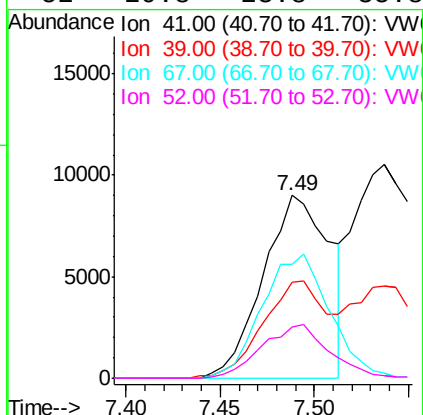
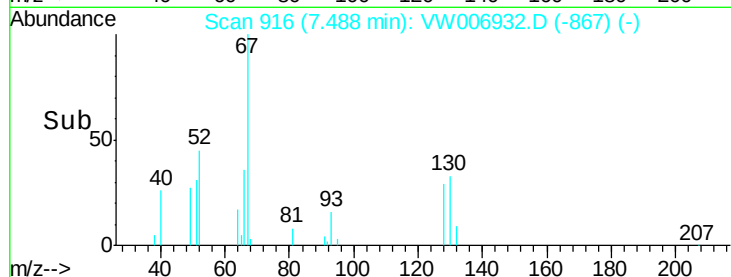
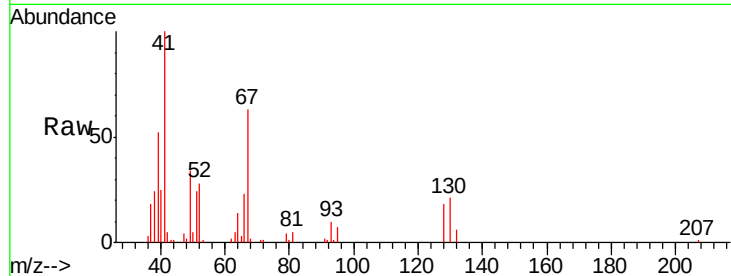
#41
Methacrylonitrile
Concen: 62.81 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.2	41.8	62.6
67	68.4	54.7	82.1
52	29.8	23.8	35.8

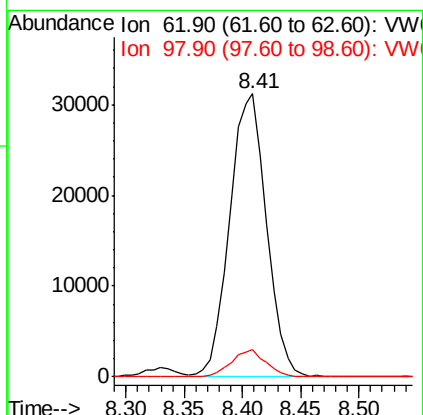
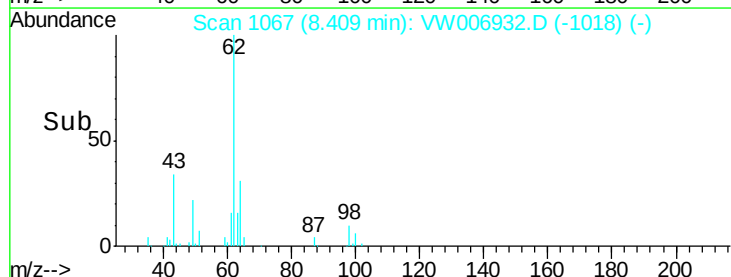
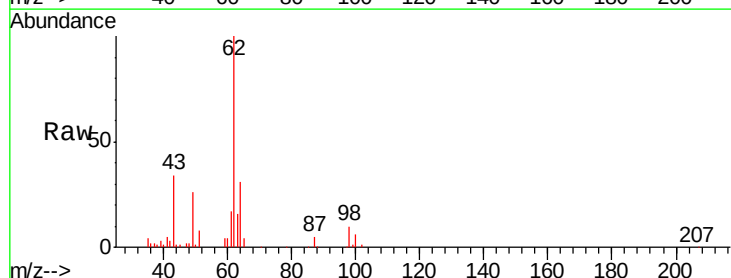
Manual Integrations
APPROVED

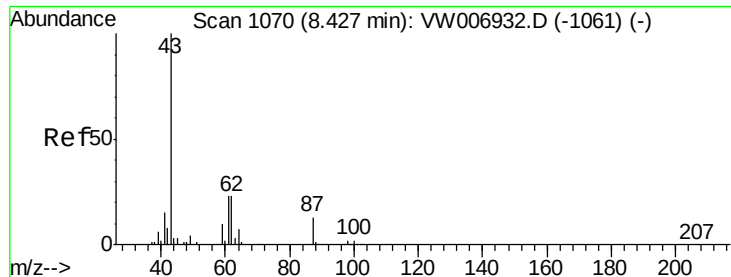
sam
11/19/2018 5:00:14 PM



#42
1,2-Dichloroethane
Concen: 53.75 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.2





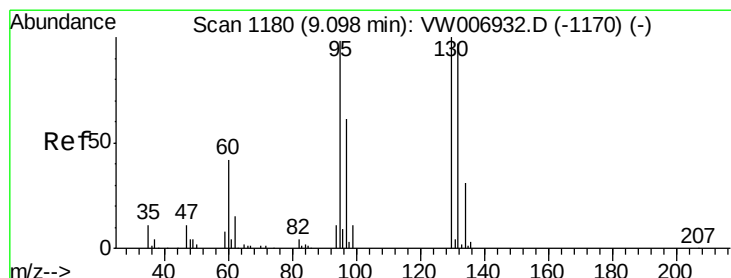
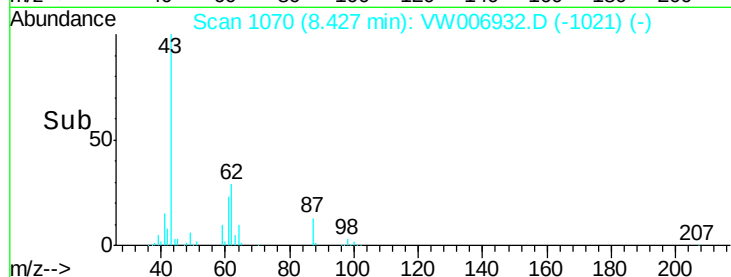
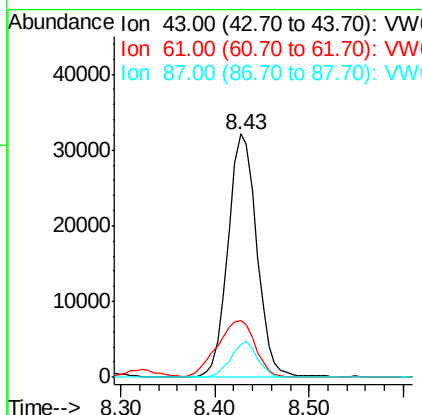
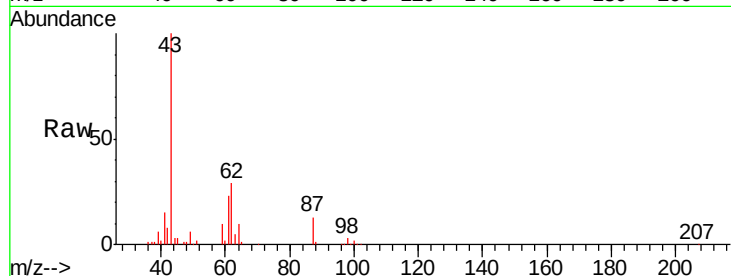
#43
Isopropyl Acetate
Concen: 61.24 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	37.0
87	13.8	11.0	16.6

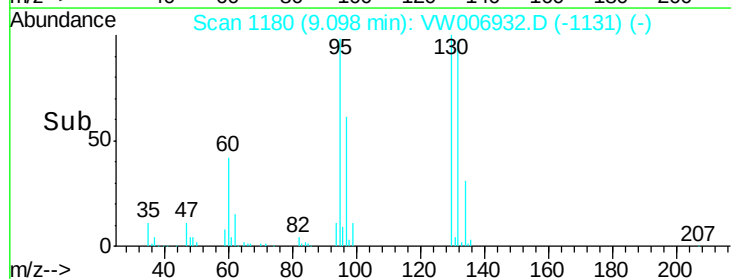
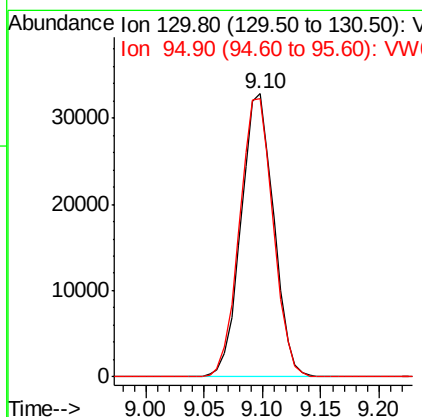
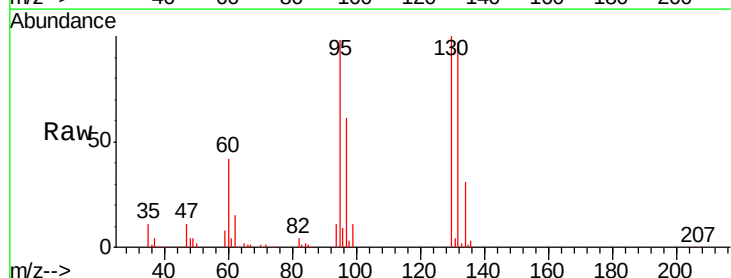
Manual Integrations
APPROVED

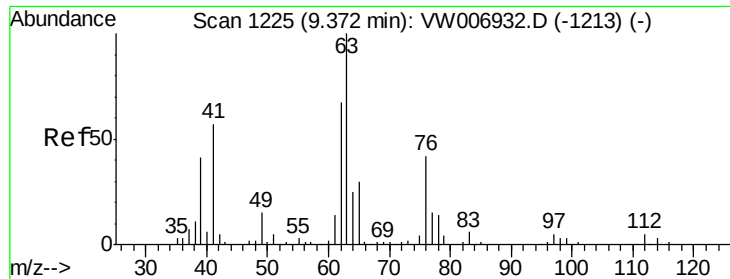
sam
11/19/2018 5:00:14 PM



#44
Trichloroethene
Concen: 44.67 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	196.4





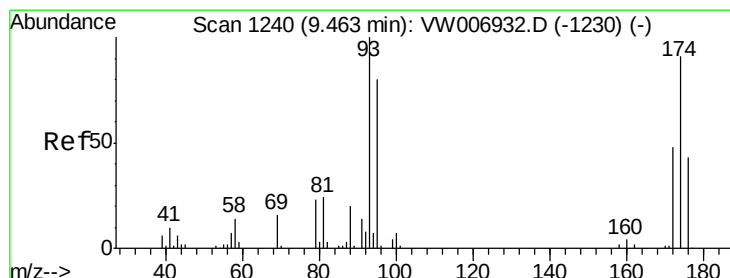
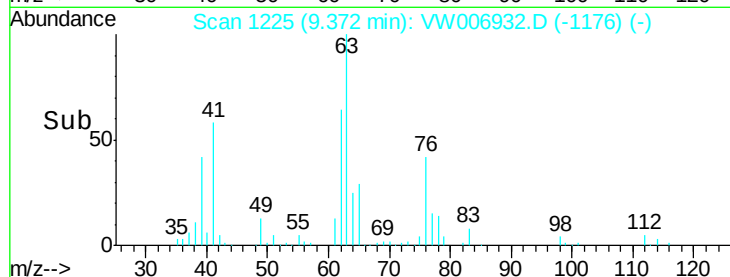
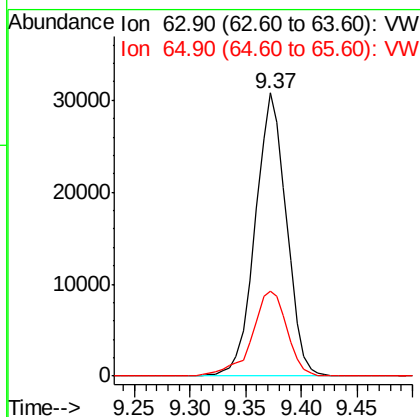
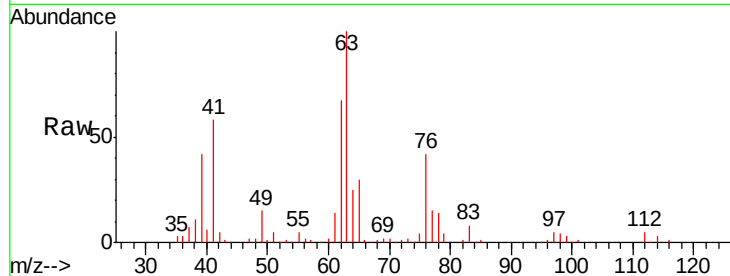
#45
 1,2-Dichloropropane
 Concen: 54.29 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 63 Resp: 60079
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.9 35.9

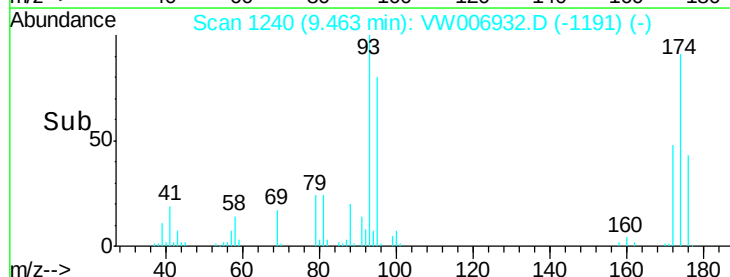
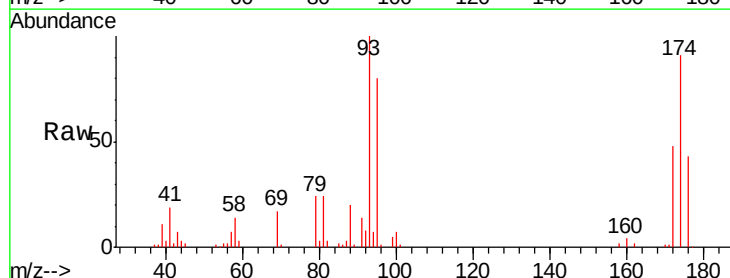
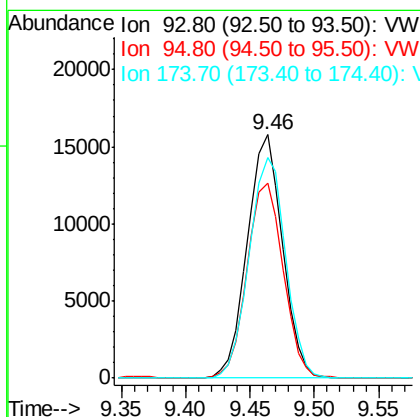
Manual Integrations
 APPROVED

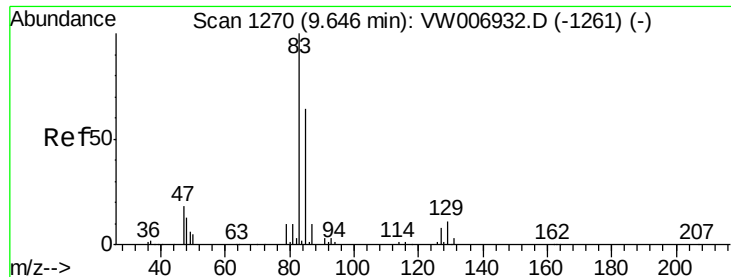
sam
 11/19/2018 5:00:14 PM



#46
 Dibromomethane
 Concen: 49.13 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion: 93 Resp: 29817
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.7 98.5
 174 93.7 75.0 112.4





#47

Bromodichloromethane

Concen: 51.85 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

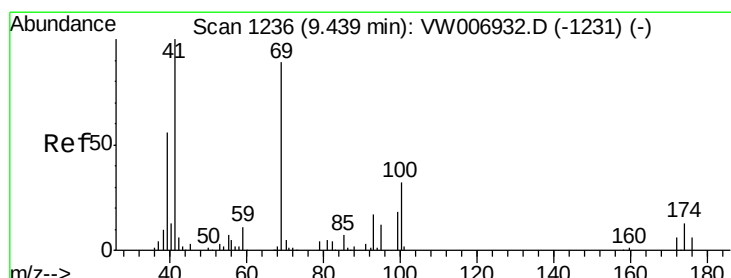
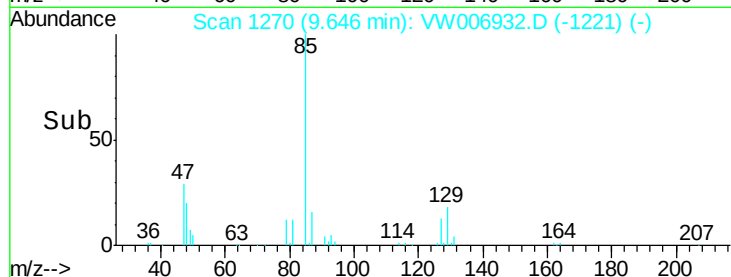
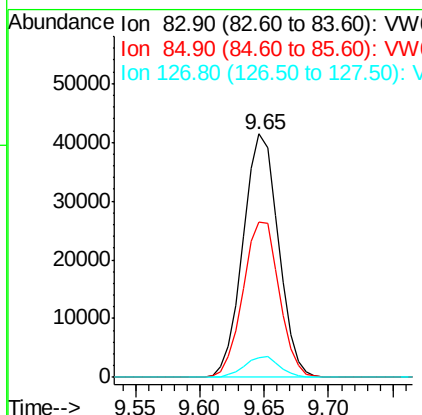
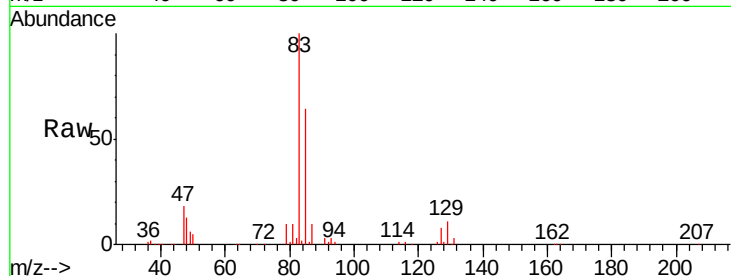
ClientSampleId :

VSTDICCC050

Tgt Ion:	83	Resp:	78672
Ion Ratio	Lower	Upper	
83	100		
85	63.5	50.8	76.2
127	8.3	6.6	10.0

Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM



#48

Methyl methacrylate

Concen: 59.68 ug/l

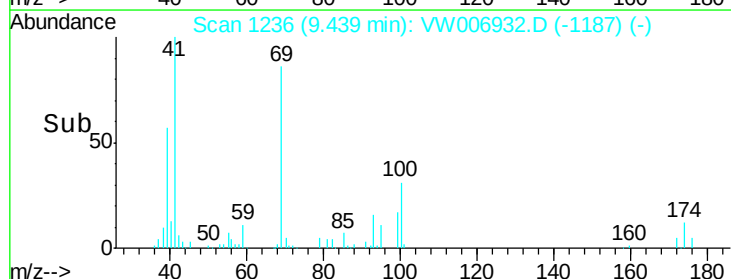
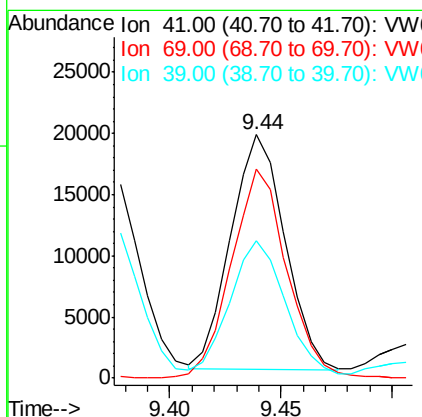
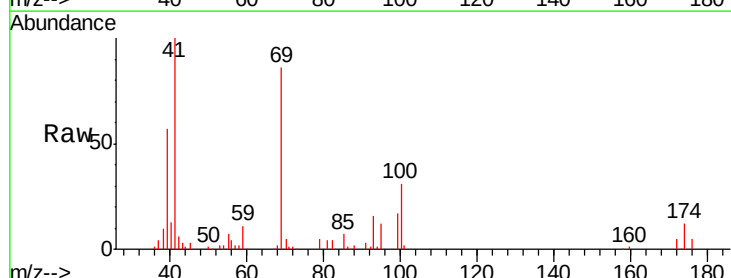
RT: 9.44 min Scan# 1236

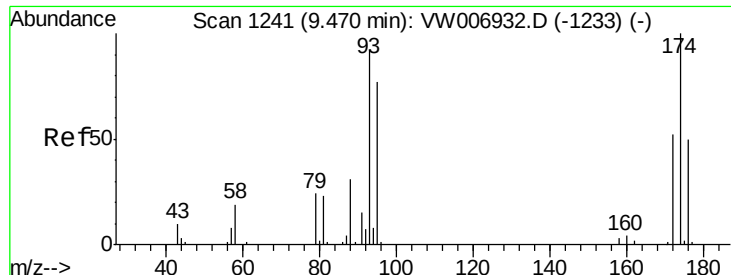
Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion:	41	Resp:	32451
Ion Ratio	Lower	Upper	
41	100		
69	91.7	73.4	110.0
39	57.6	46.1	69.1





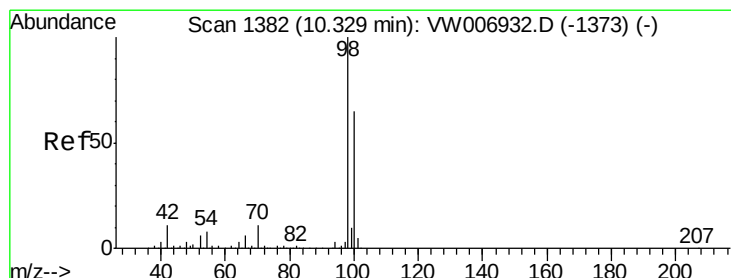
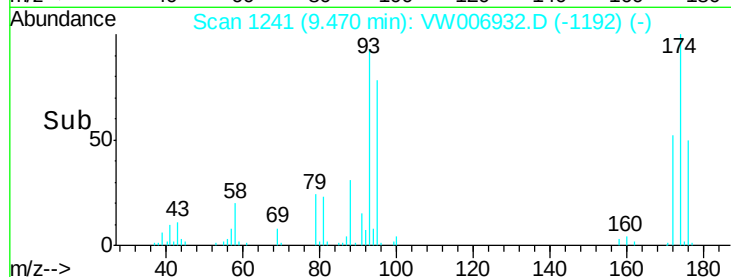
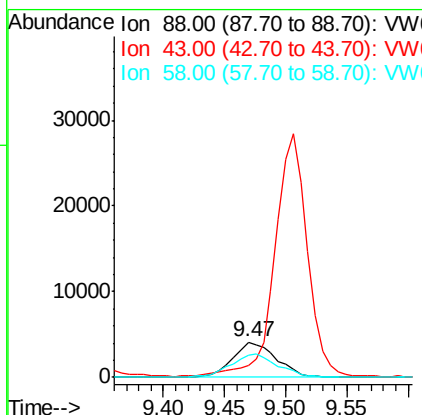
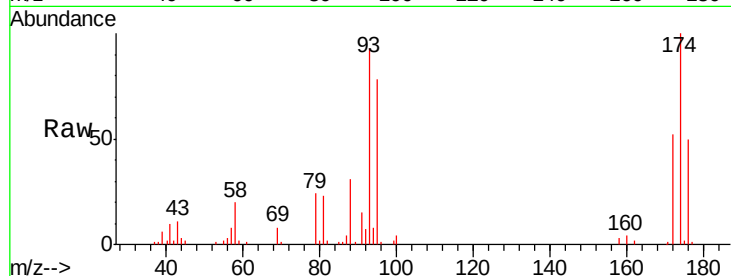
#49
1,4-Dioxane
Concen: 1106.25 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.8	57.4	86.2

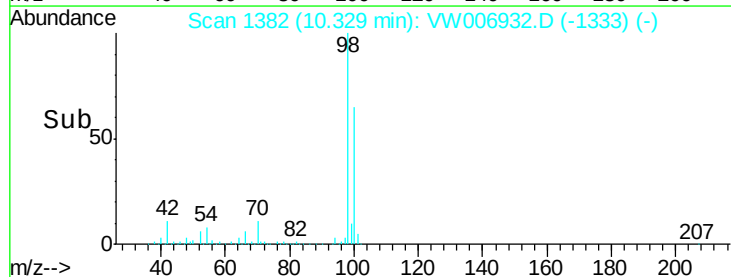
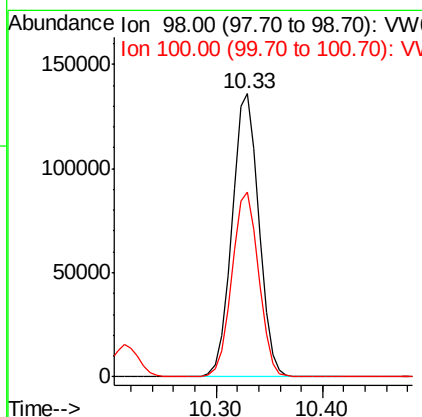
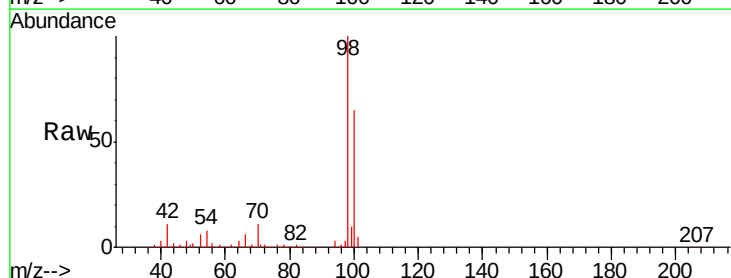
Manual Integrations
APPROVED

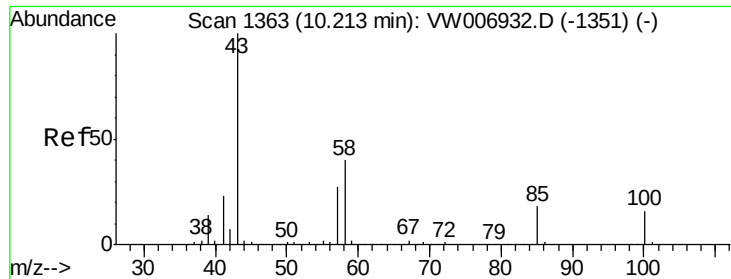
sam
11/19/2018 5:00:14 PM



#50
Toluene-d8
Concen: 53.20 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 307.10 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 171512

Ion Ratio Lower Upper

43 100

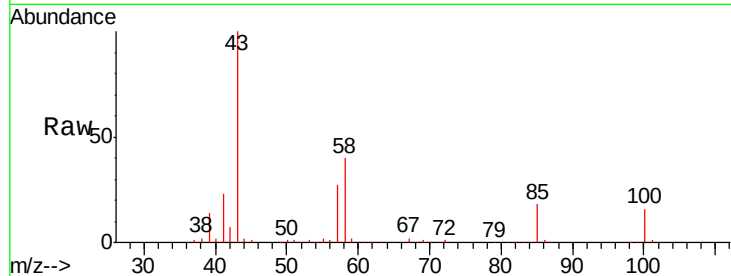
58 38.7 31.0 46.4

Manual Integrations

APPROVED

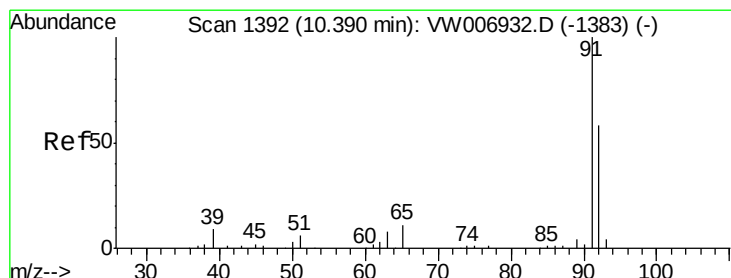
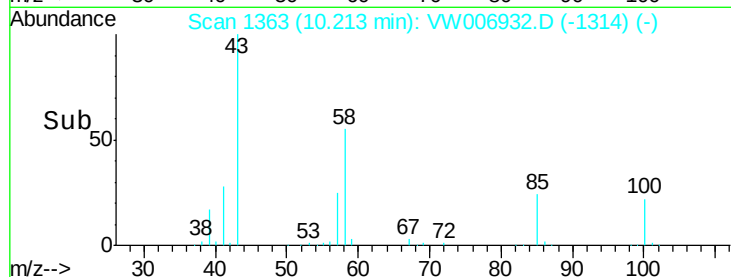
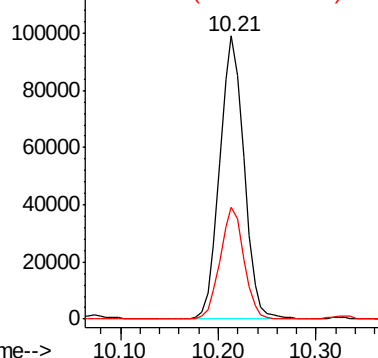
sam

11/19/2018 5:00:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 50.56 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006932.D

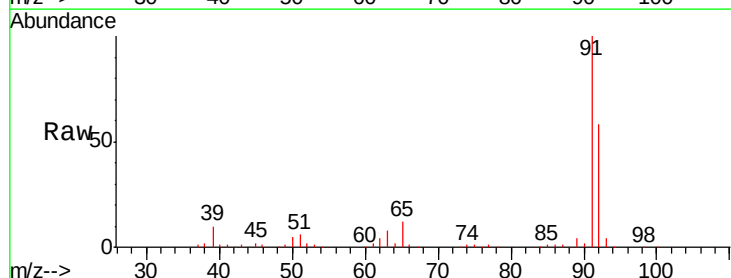
Acq: 17 Nov 2018 00:09

Tgt Ion: 92 Resp: 166498

Ion Ratio Lower Upper

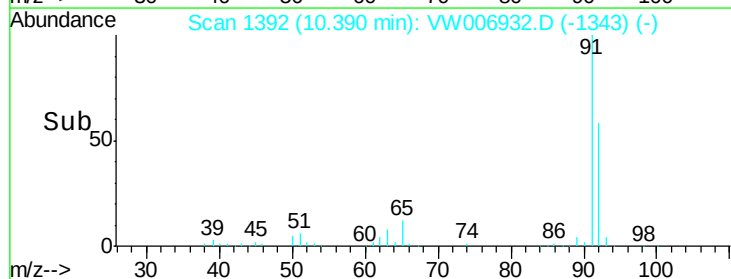
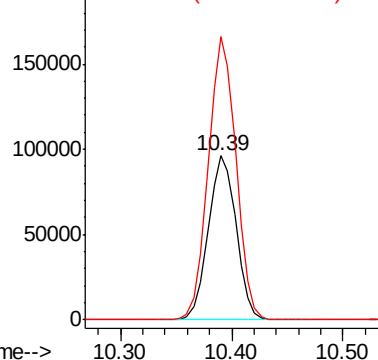
92 100

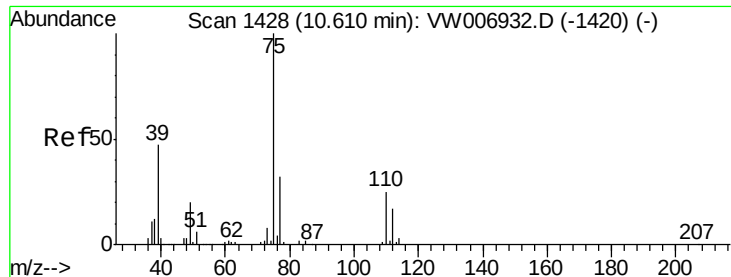
91 171.6 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





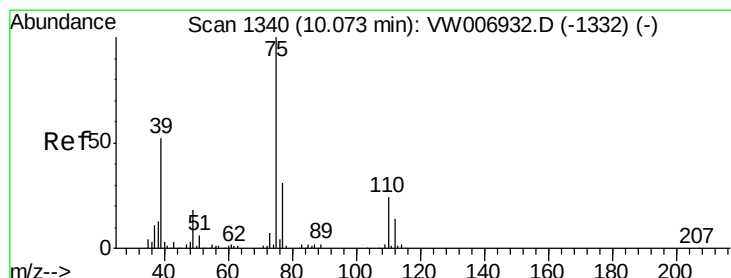
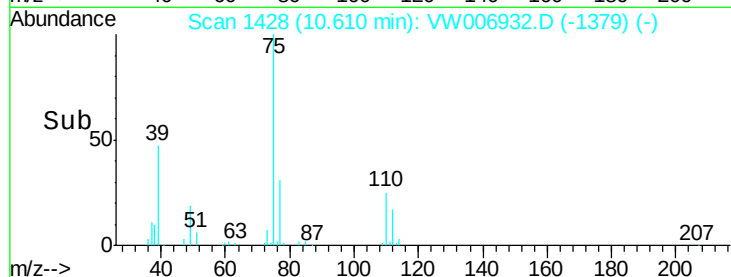
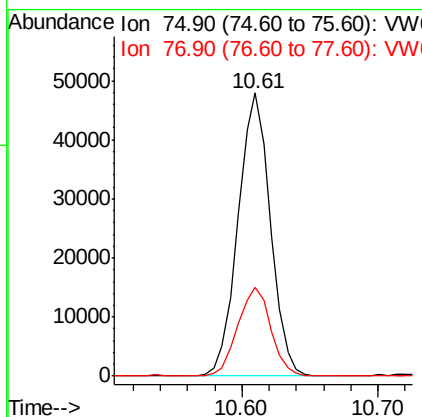
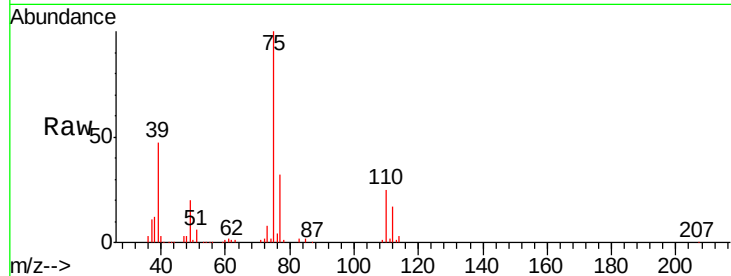
#53
 t-1,3-Dichloropropene
 Concen: 53.15 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 75 Resp: 79432
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8

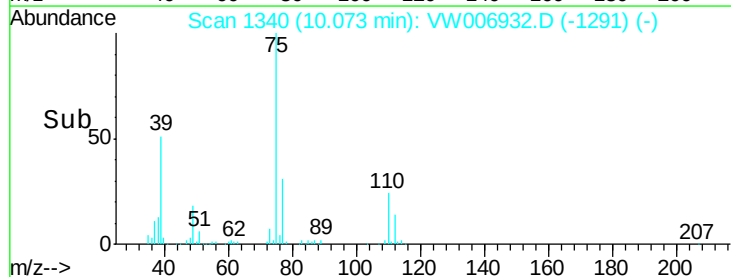
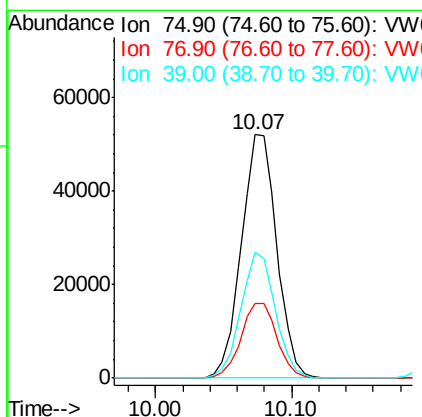
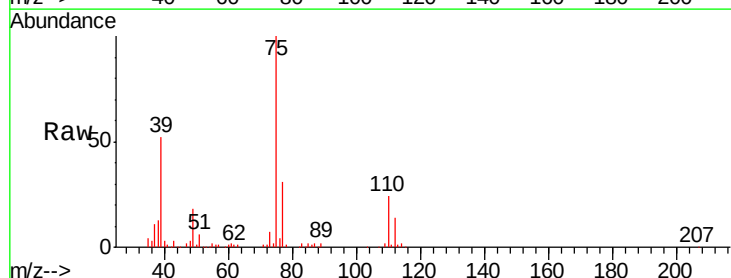
Manual Integrations
 APPROVED

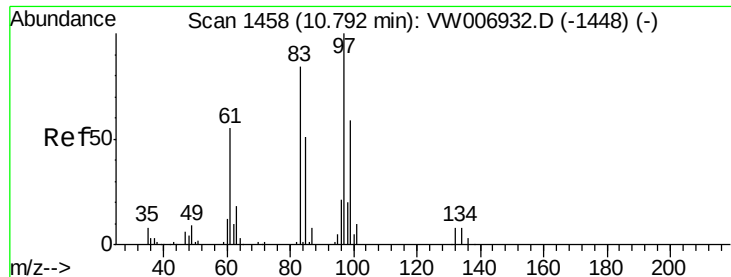
sam
 11/19/2018 5:00:14 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.35 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion: 75 Resp: 94607
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.6 37.0
 39 51.8 41.4 62.2





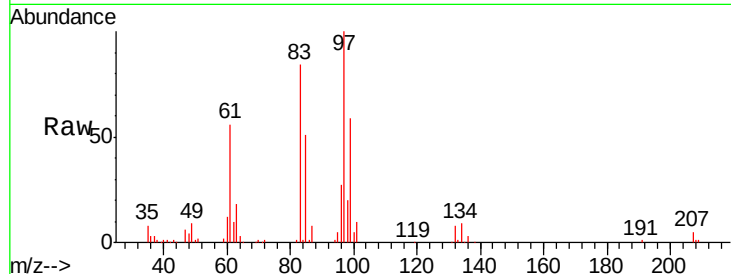
#55
 1,1,2-Trichloroethane
 Concen: 49.86 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

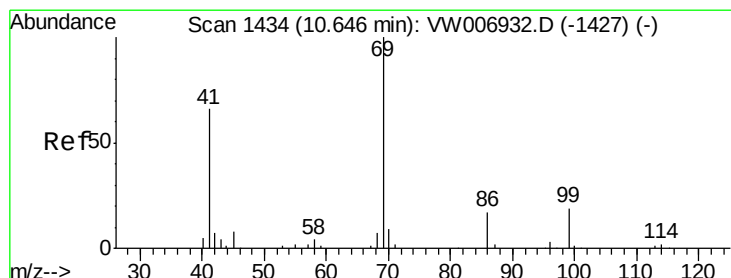
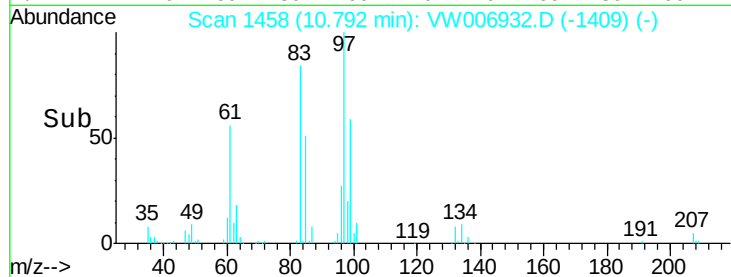
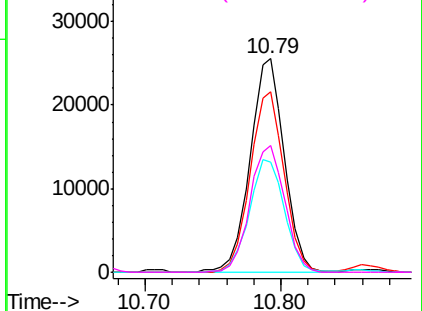
Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.5	101.3
85	51.3	41.0	61.6
99	59.3	47.4	71.2

Manual Integrations
 APPROVED

sam
 11/19/2018 5:00:14 PM



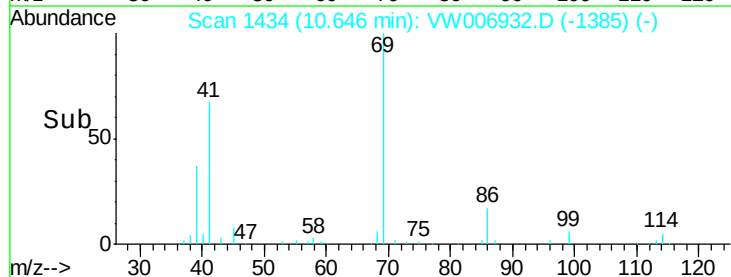
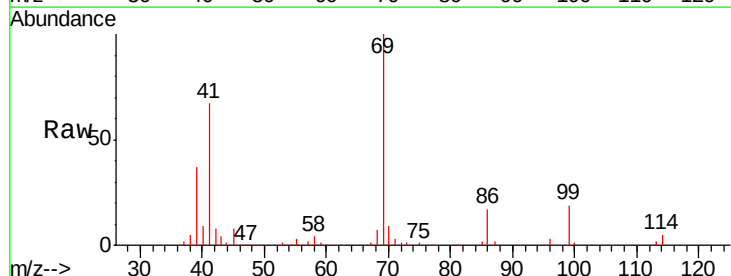
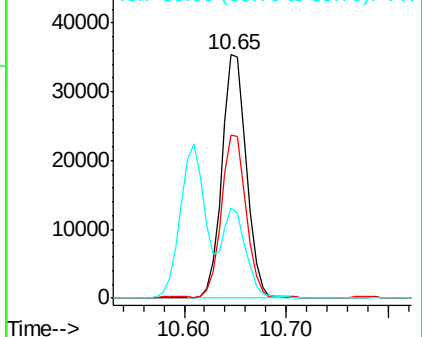
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

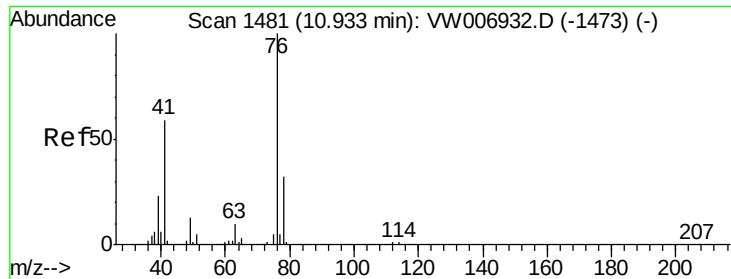


#56
 Ethyl methacrylate
 Concen: 58.54 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.2	53.8	80.6
39	36.3	29.0	43.6

Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW





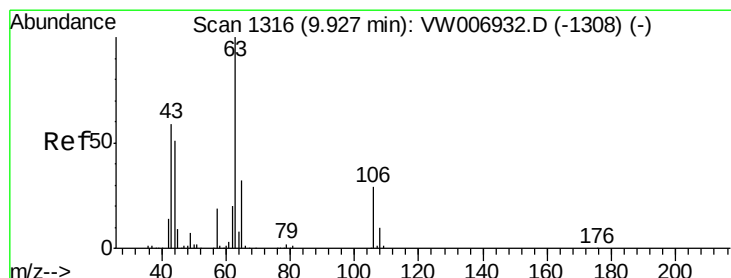
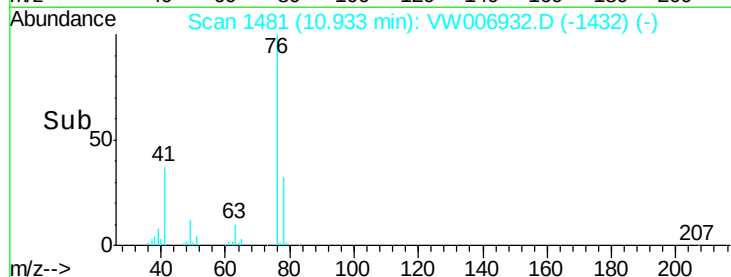
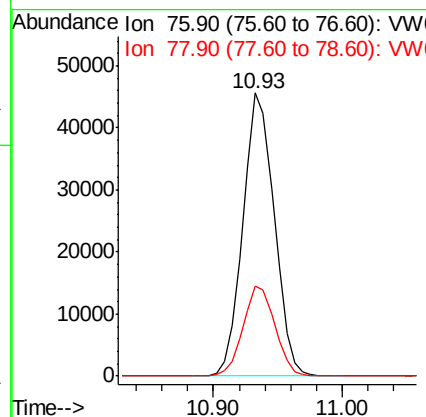
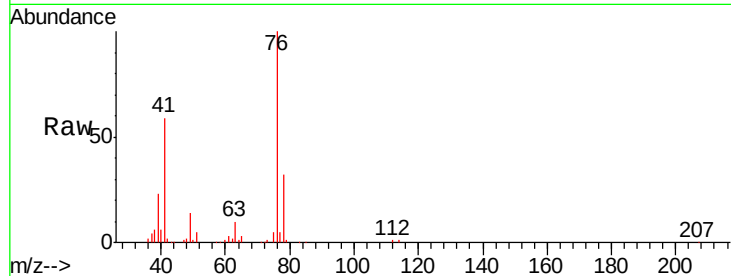
#57
 1,3-Dichloropropane
 Concen: 53.15 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 76 Resp: 76615
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.0 39.0

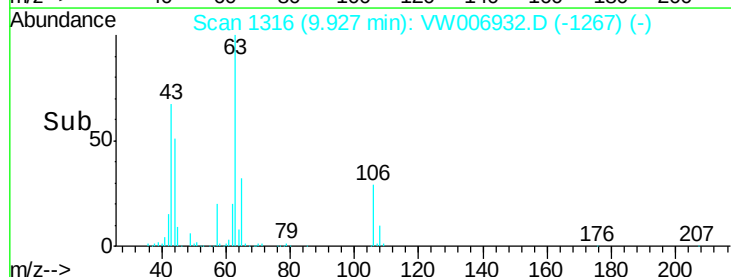
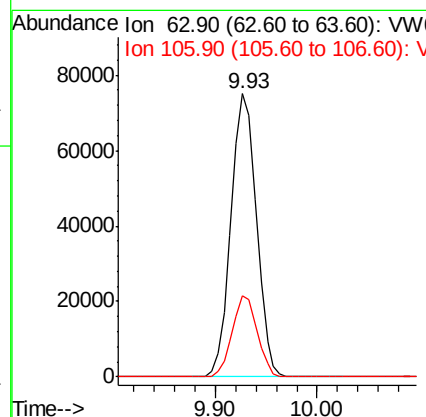
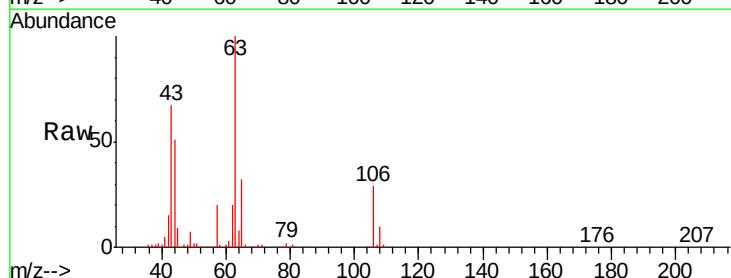
Manual Integrations
 APPROVED

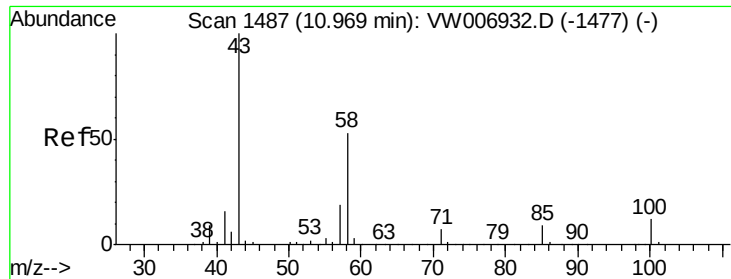
sam
 11/19/2018 5:00:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 261.71 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion: 63 Resp: 129691
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8





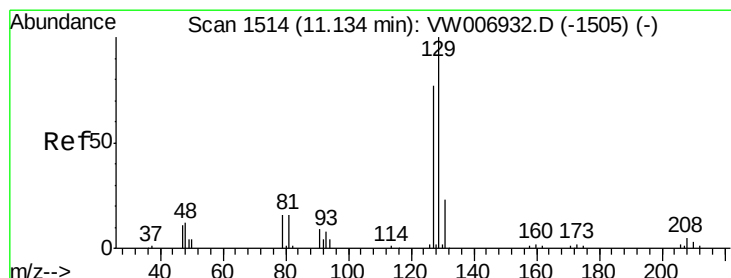
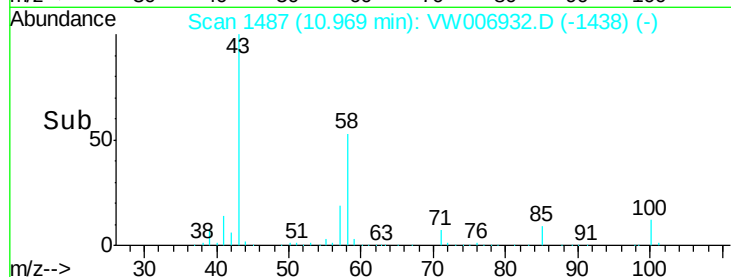
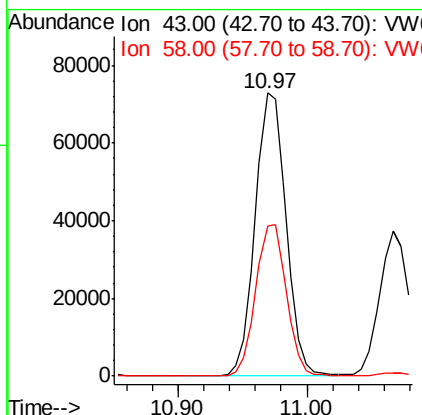
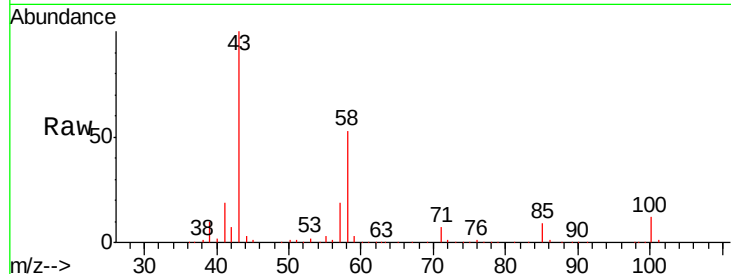
#59
2-Hexanone
Concen: 314.41 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 120443
Ion Ratio Lower Upper
43 100
58 53.6 26.8 80.4

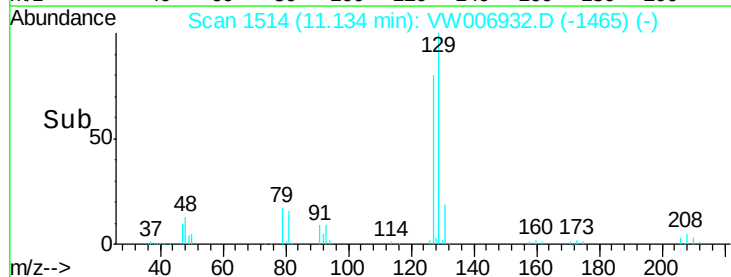
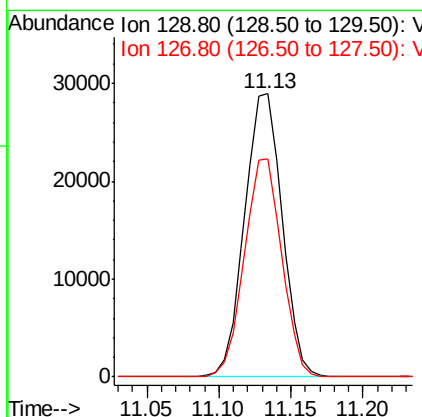
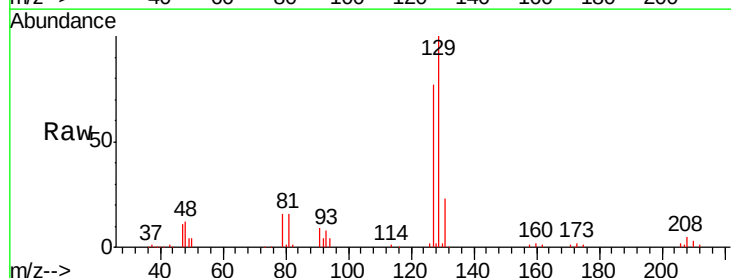
Manual Integrations
APPROVED

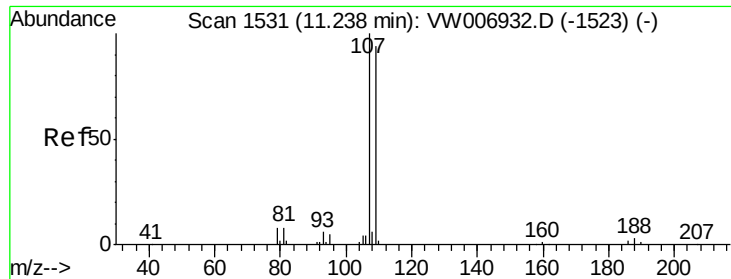
sam
11/19/2018 5:00:14 PM



#60
Dibromochloromethane
Concen: 47.98 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion: 129 Resp: 52282
Ion Ratio Lower Upper
129 100
127 76.2 38.1 114.3





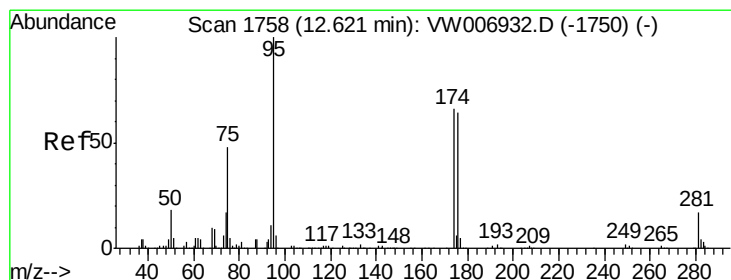
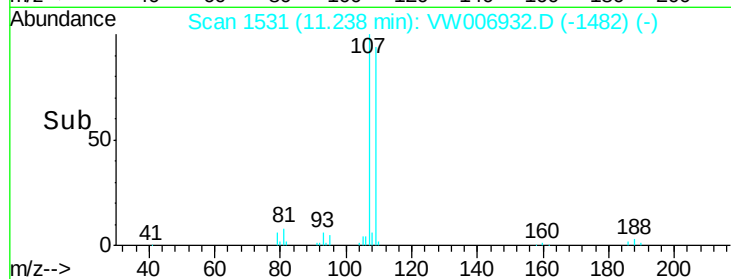
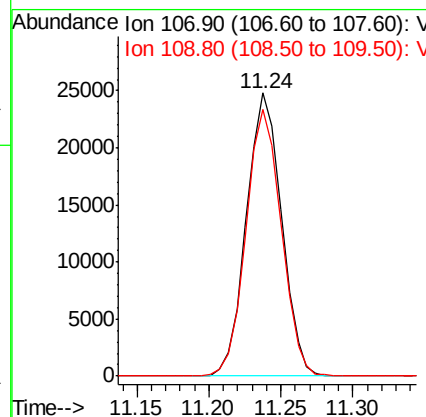
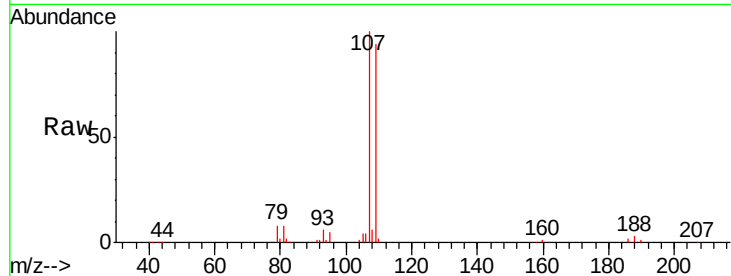
#61
1,2-Dibromoethane
Concen: 49.25 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 107 Resp: 41935
Ion Ratio Lower Upper
107 100
109 94.4 75.5 113.3

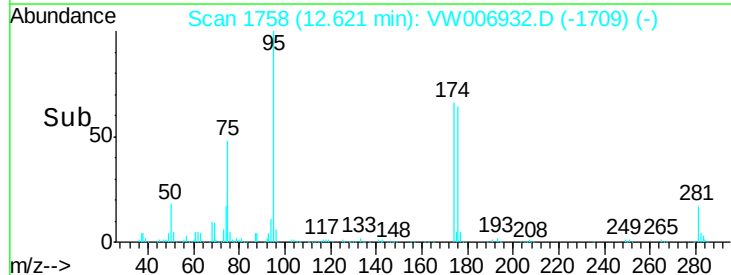
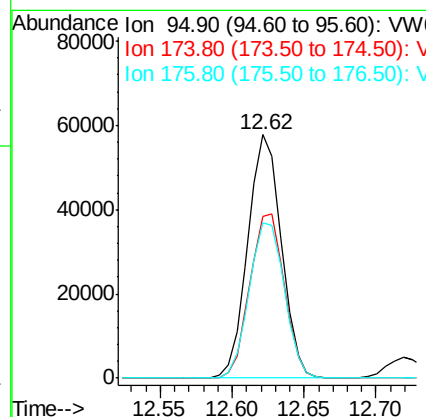
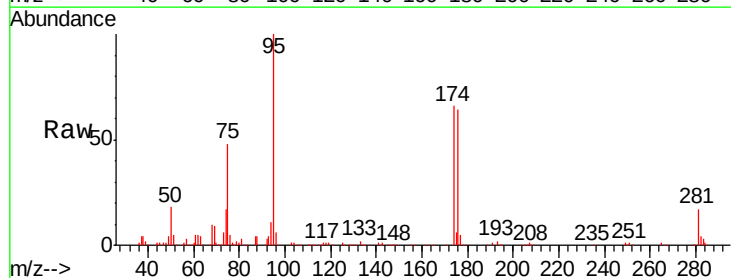
Manual Integrations
APPROVED

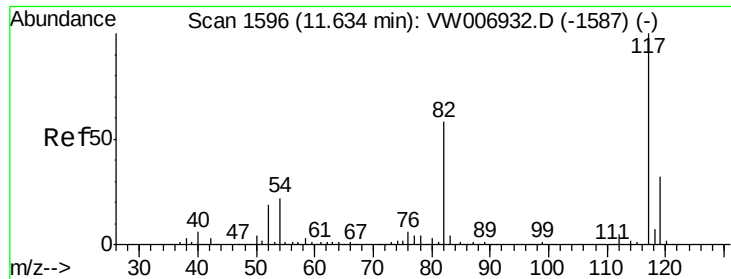
sam
11/19/2018 5:00:14 PM



#62
4-Bromofluorobenzene
Concen: 55.48 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion: 95 Resp: 93039
Ion Ratio Lower Upper
95 100
174 69.2 0.0 138.4
176 66.7 0.0 133.4





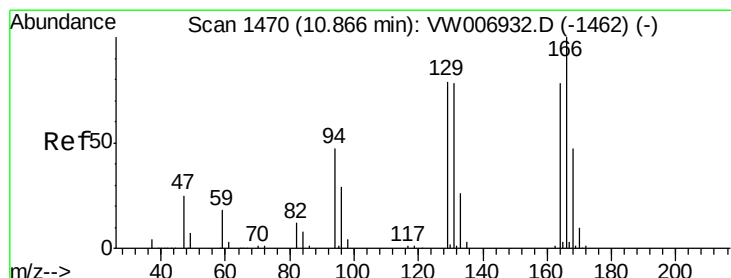
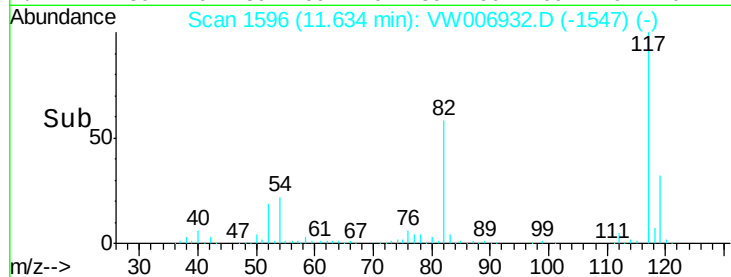
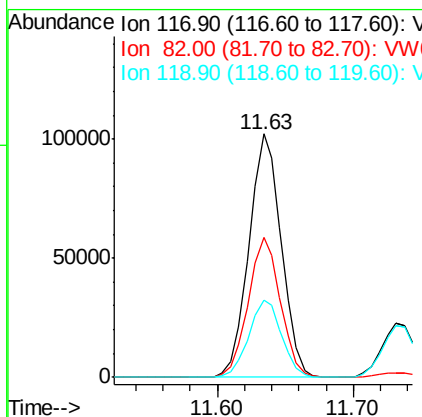
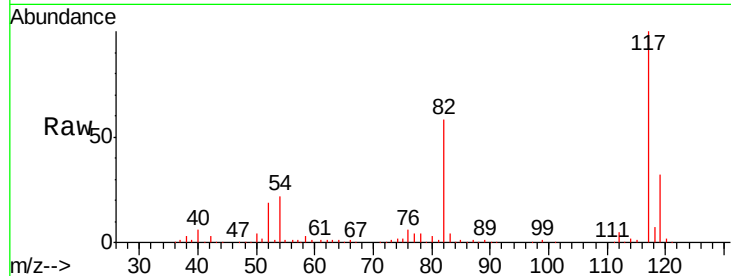
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	170250		
82	57.7	46.2	69.2	
119	31.9	25.5	38.3	

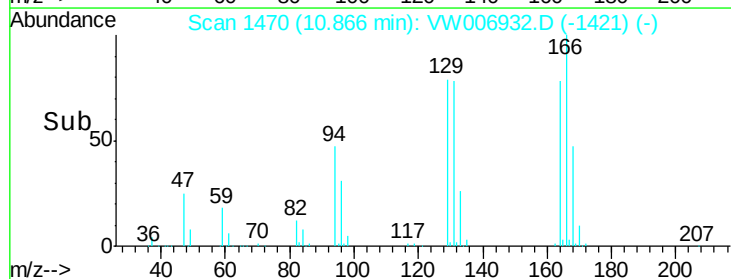
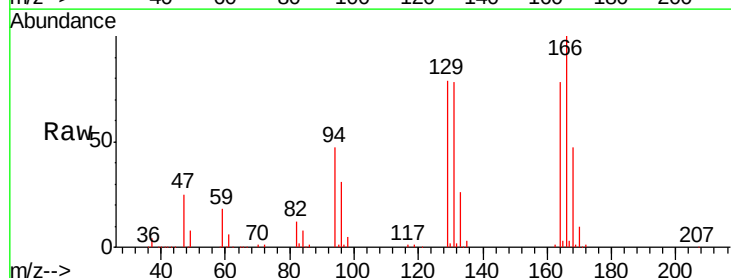
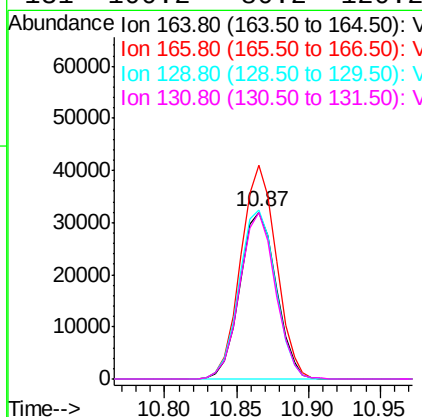
Manual Integrations
APPROVED

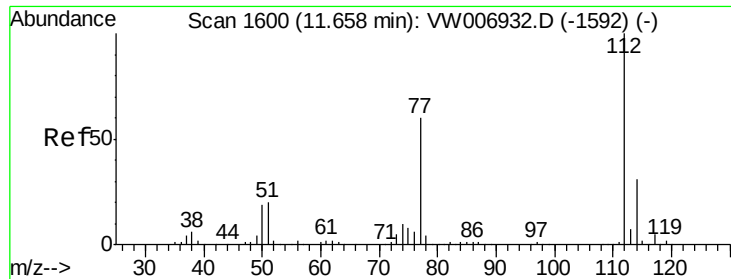
sam
11/19/2018 5:00:14 PM



#64
Tetrachloroethene
Concen: 42.22 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55574		
166	128.3	102.6	154.0	
129	101.2	81.0	121.4	
131	100.2	80.2	120.2	





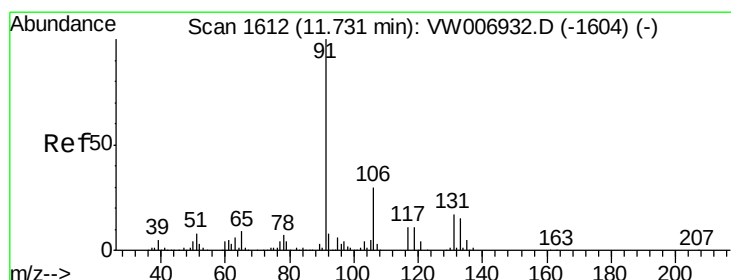
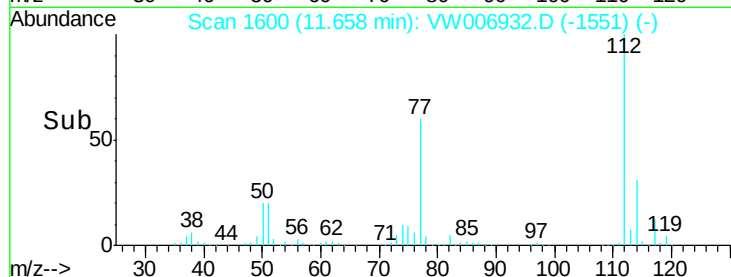
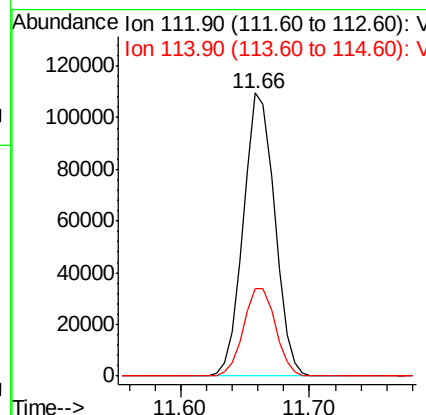
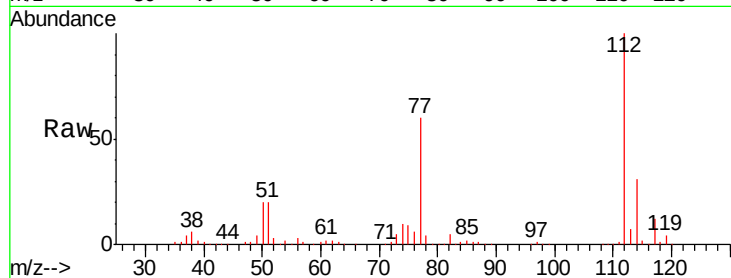
#65
Chlorobenzene
Concen: 49.10 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 184048
Ion Ratio Lower Upper
112 100
114 30.8 24.6 37.0

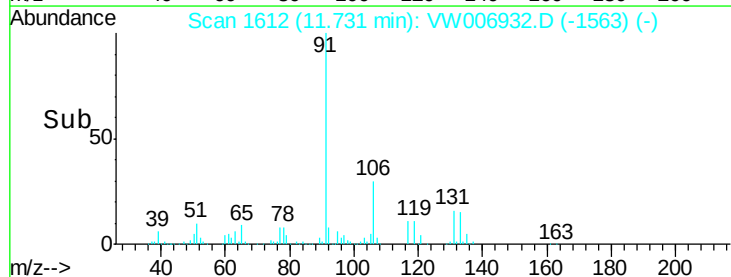
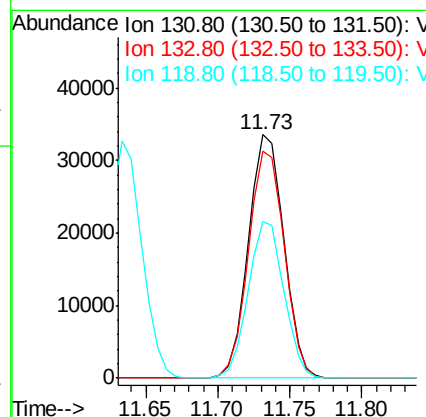
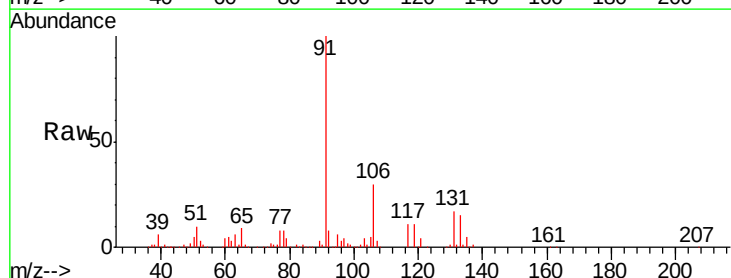
Manual Integrations
APPROVED

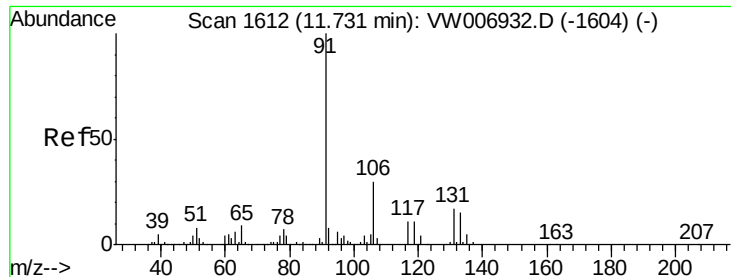
sam
11/19/2018 5:00:14 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.02 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion:131 Resp: 57036
Ion Ratio Lower Upper
131 100
133 94.4 47.2 141.6
119 64.9 32.5 97.4





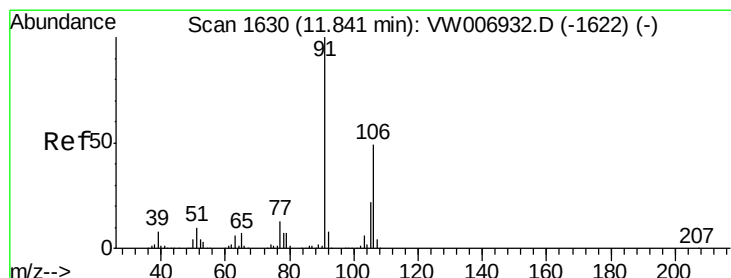
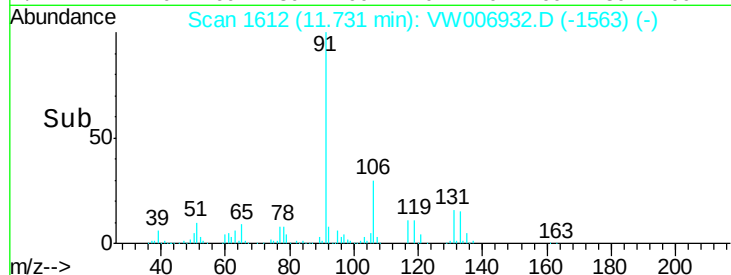
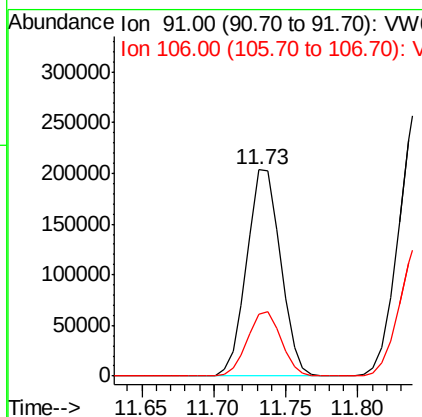
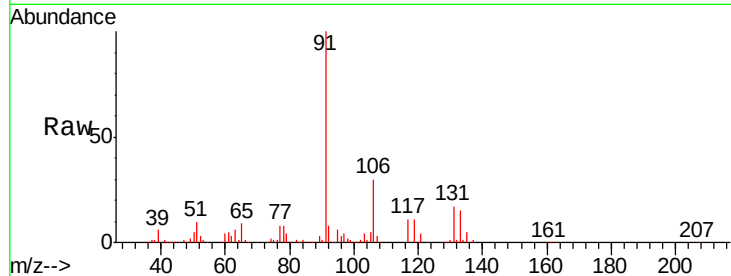
#67
 Ethyl Benzene
 Concen: 51.60 ug/l
 RT: 11.73 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 91 Resp: 332075
 Ion Ratio Lower Upper
 91 100
 106 30.0 24.0 36.0

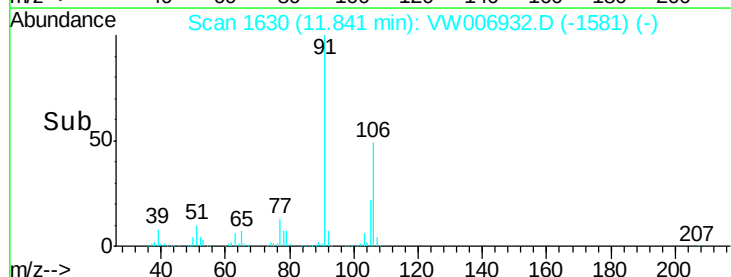
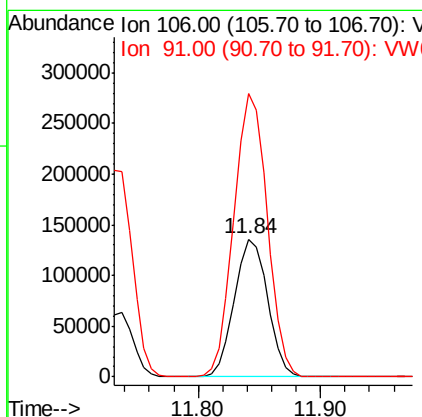
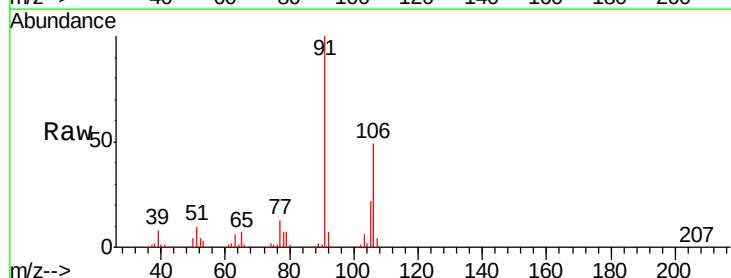
Manual Integrations
 APPROVED

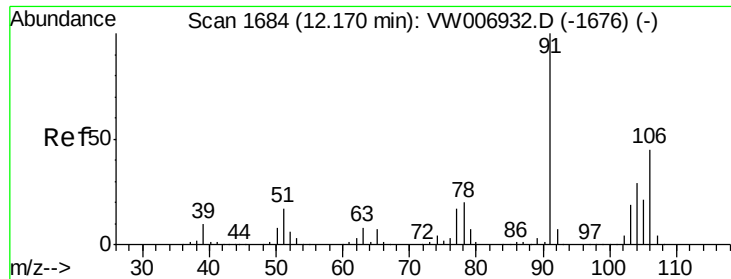
sam
 11/19/2018 5:00:14 PM



#68
 m/p-Xylenes
 Concen: 98.31 ug/l
 RT: 11.84 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion: 106 Resp: 256486
 Ion Ratio Lower Upper
 106 100
 91 206.2 165.0 247.4





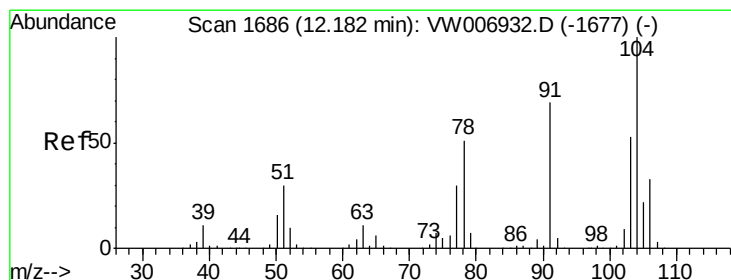
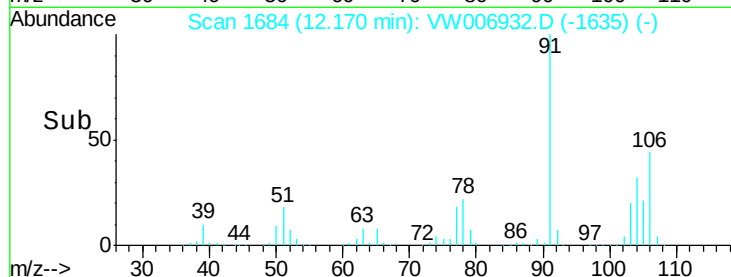
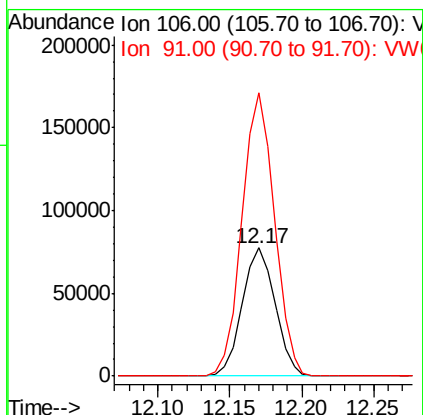
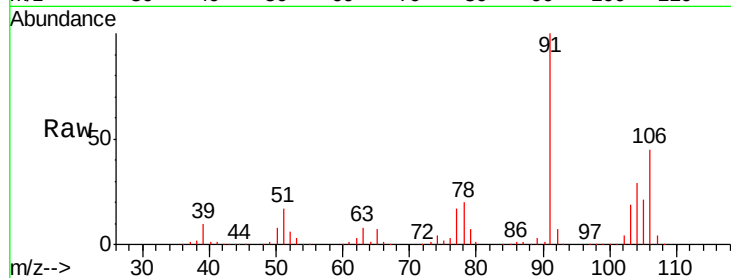
#69
o-Xylene
Concen: 50.29 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 122412
Ion Ratio Lower Upper
106 100
91 218.4 109.2 327.6

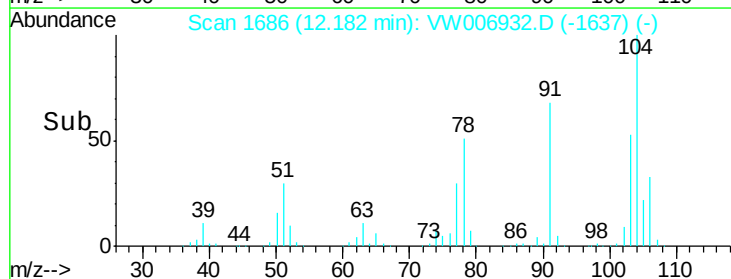
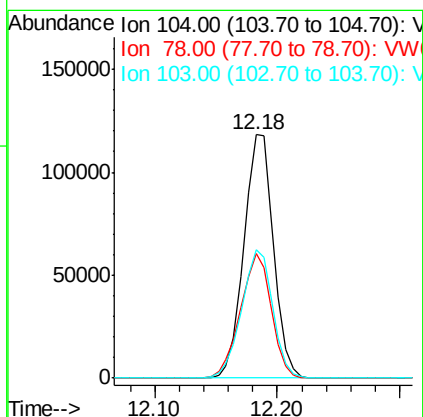
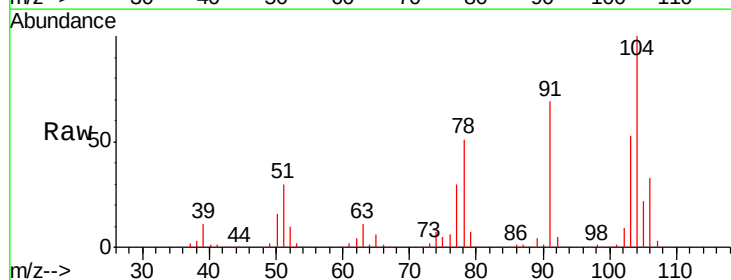
Manual Integrations
APPROVED

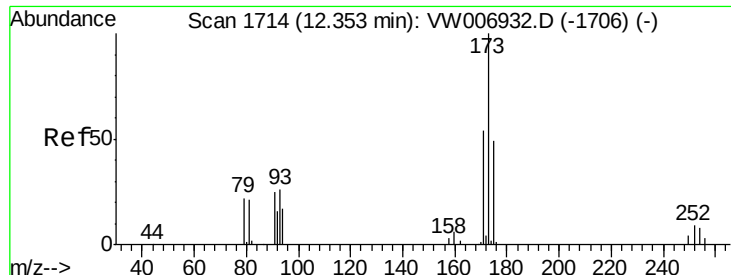
sam
11/19/2018 5:00:14 PM



#70
Styrene
Concen: 50.96 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion:104 Resp: 198978
Ion Ratio Lower Upper
104 100
78 53.1 42.5 63.7
103 55.4 44.3 66.5





#71

Bromoform

Concen: 41.49 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion:173 Resp: 26809

Ion Ratio Lower Upper

173 100

175 48.0 24.0 72.0

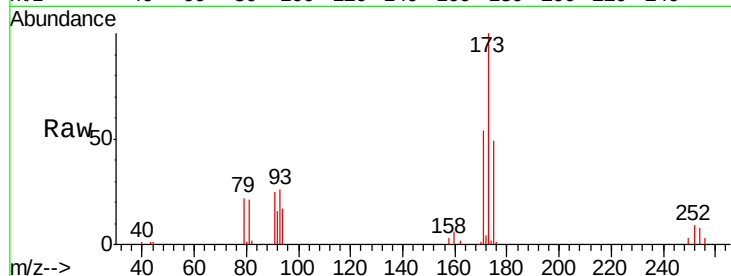
254 0.0 0.0 0.0

Manual Integrations

APPROVED

sam

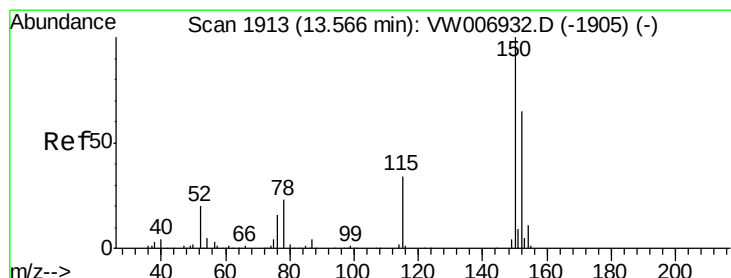
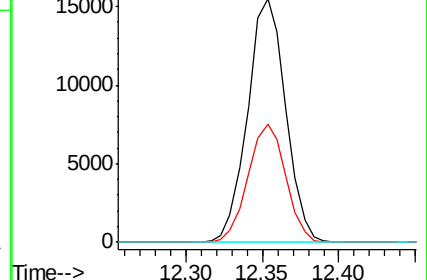
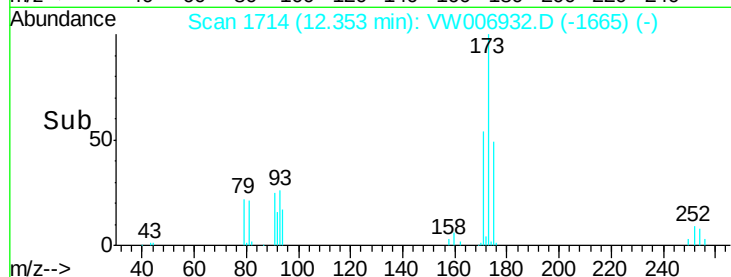
11/19/2018 5:00:14 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

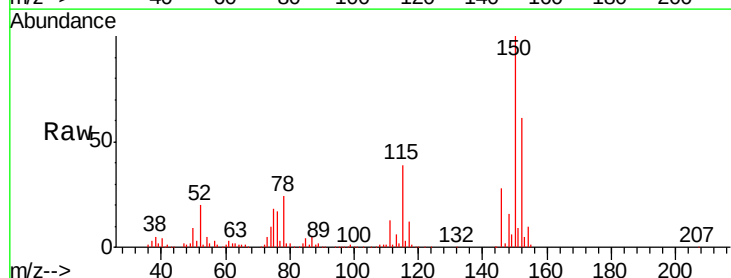
Tgt Ion:152 Resp: 82473

Ion Ratio Lower Upper

152 100

115 63.1 31.6 94.7

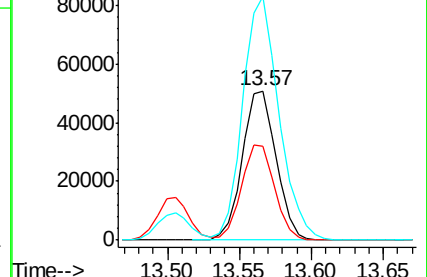
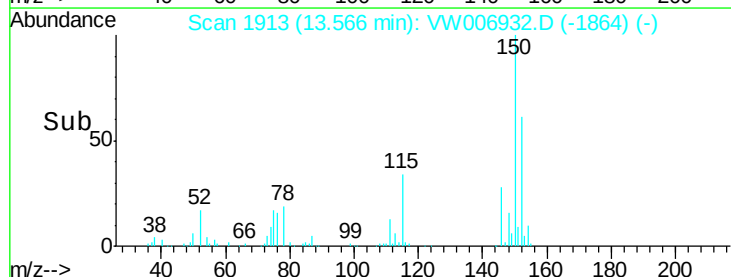
150 175.0 0.0 350.0

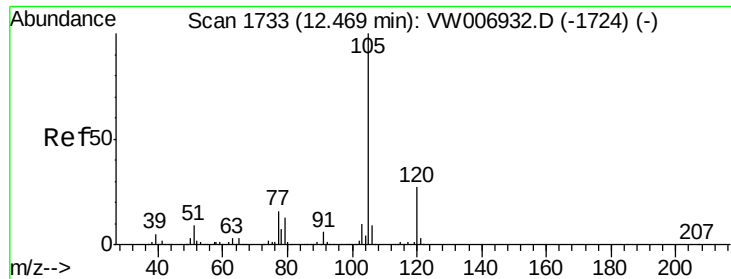


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 56.65 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 105 Resp: 331077

Ion Ratio Lower Upper

105 100

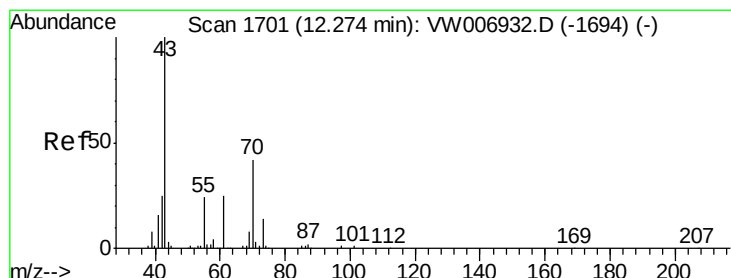
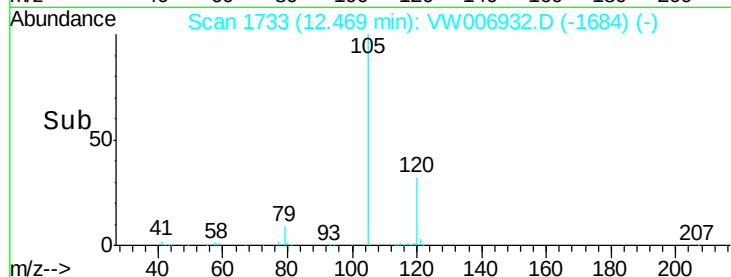
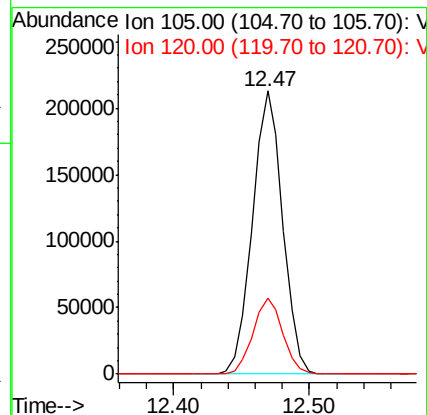
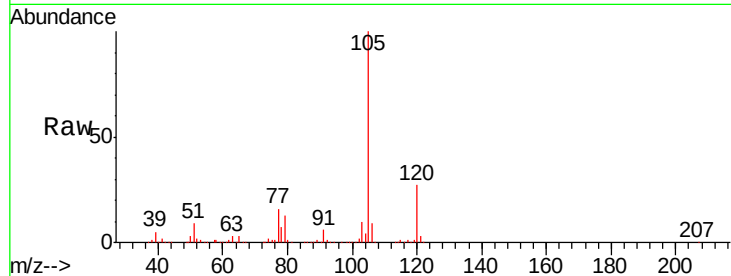
120 26.4 13.2 39.6

Manual Integrations

APPROVED

sam

11/19/2018 5:00:14 PM



#74

N-ethyl acetate

Concen: 71.02 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion: 43 Resp: 66558

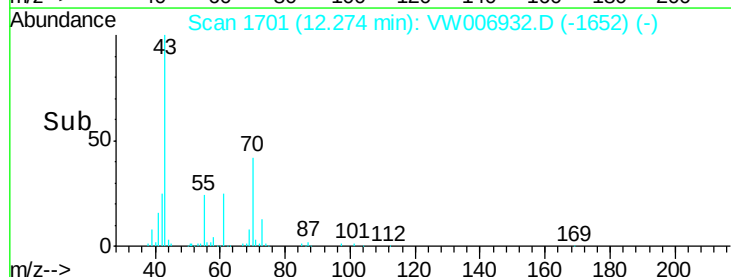
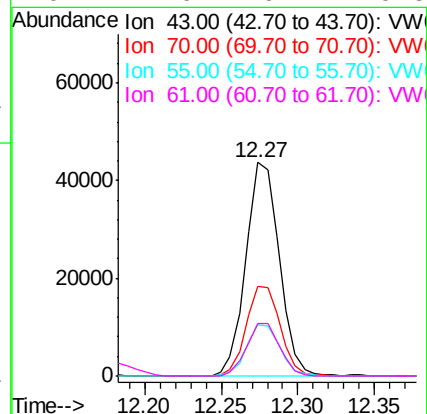
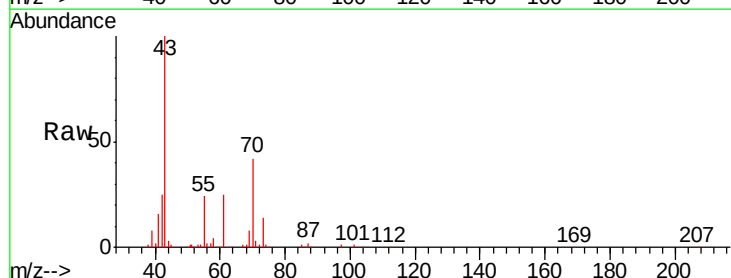
Ion Ratio Lower Upper

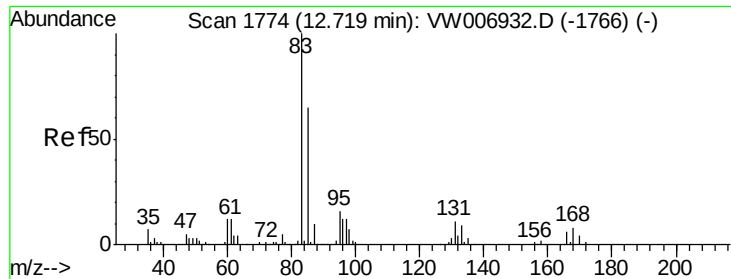
43 100

70 42.8 34.2 51.4

55 24.4 19.5 29.3

61 24.6 19.7 29.5





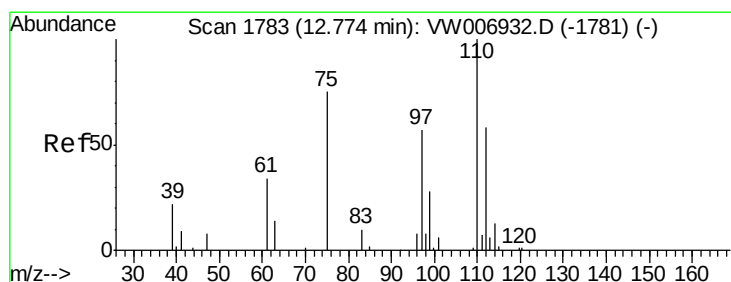
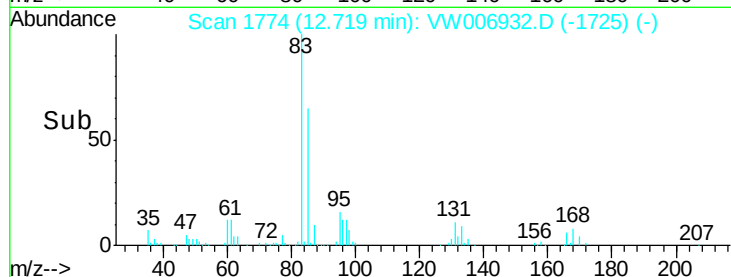
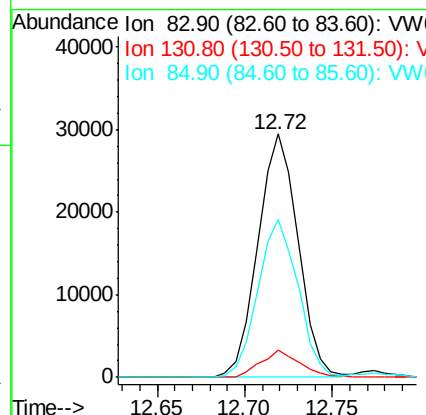
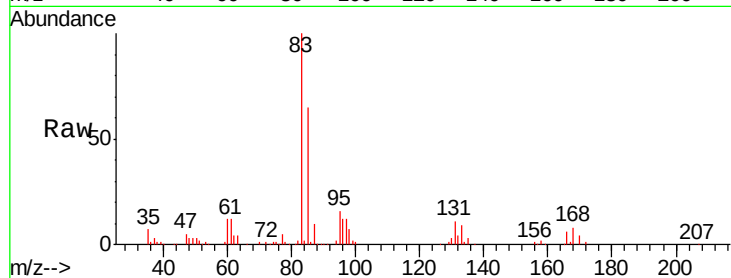
#75
 1,1,2,2-Tetrachloroethane
 Concen: 57.68 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.6	16.8
85	65.0	32.5	97.5

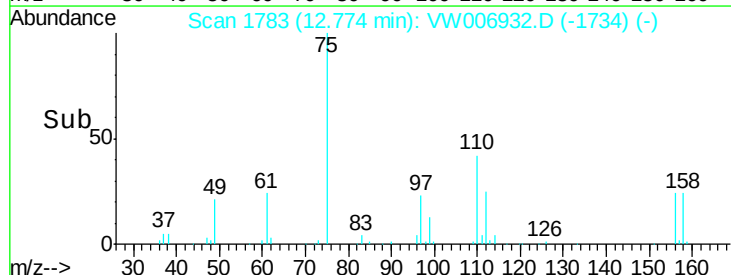
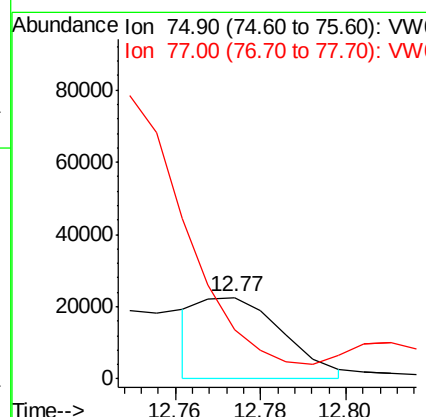
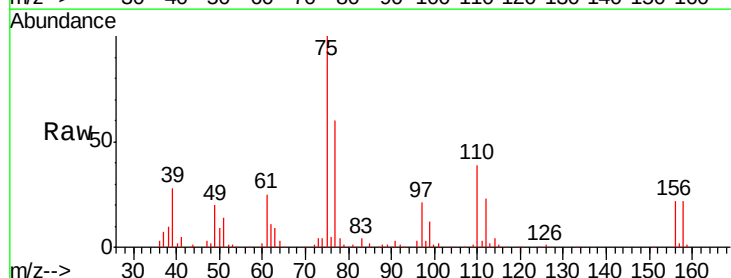
Manual Integrations
 APPROVED

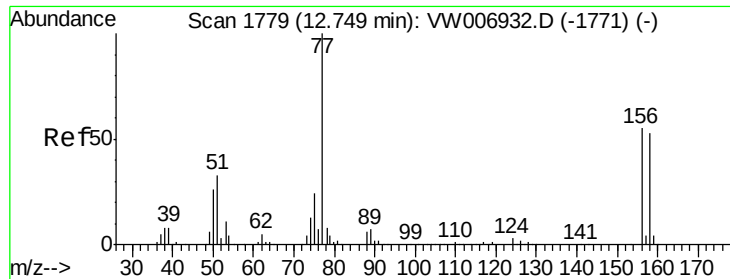
sam
 11/19/2018 5:00:14 PM



#76
 1,2,3-Trichloropropane
 Concen: 49.17 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.58 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 156 Resp: 71278

Ion Ratio Lower Upper

156 100

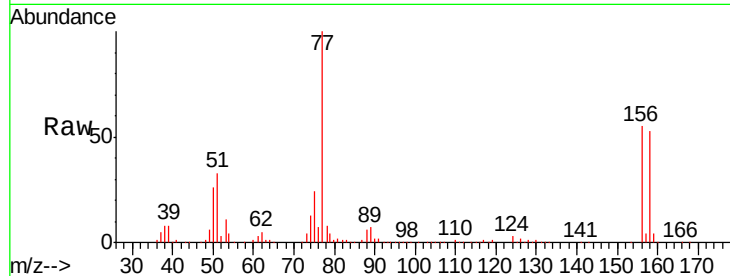
77 195.5 97.8 293.3

158 95.8 47.9 143.7

Manual Integrations
APPROVED

sam

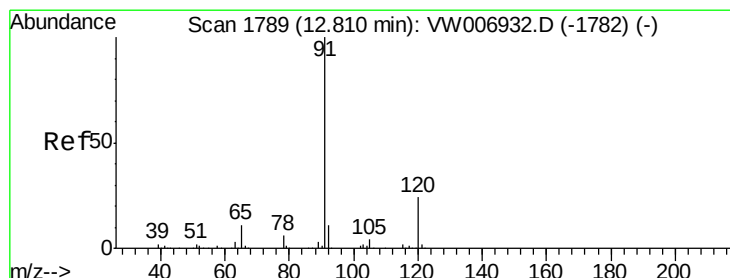
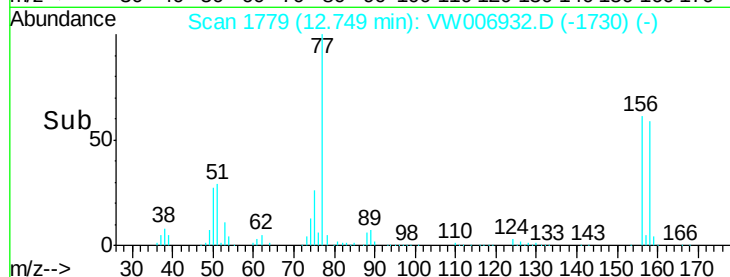
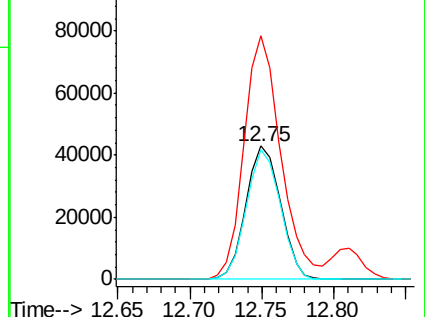
11/19/2018 5:00:14 PM



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



#78

n-propylbenzene

Concen: 57.58 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006932.D

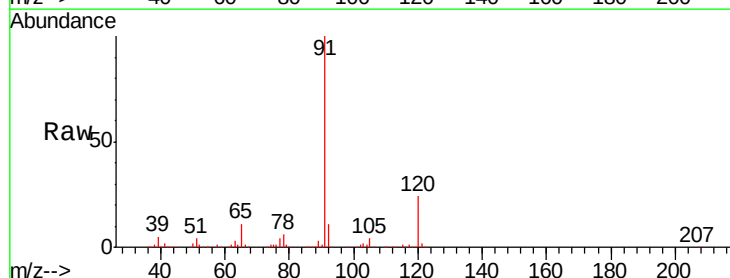
Acq: 17 Nov 2018 00:09

Tgt Ion: 91 Resp: 398327

Ion Ratio Lower Upper

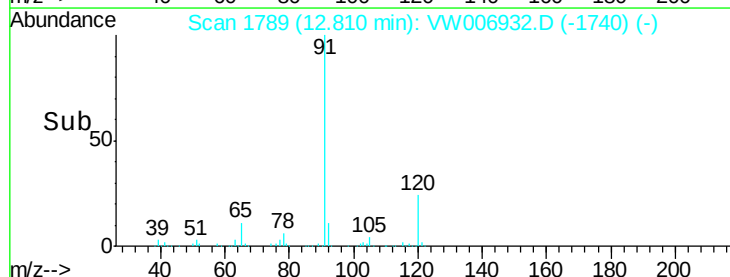
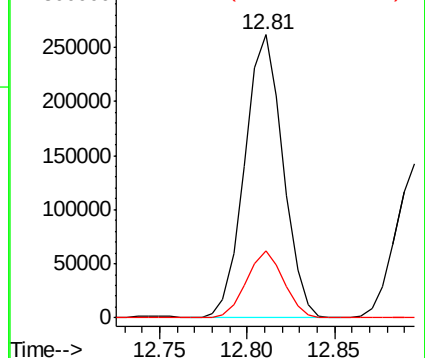
91 100

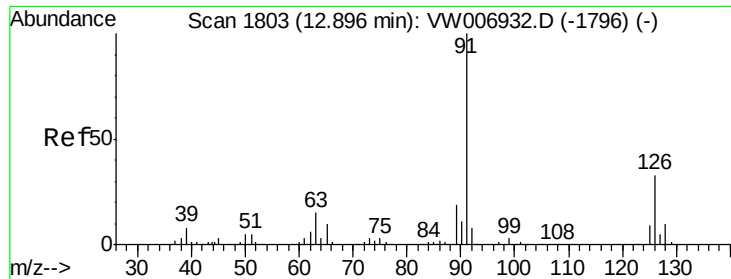
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 59.05 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 230930

Ion Ratio Lower Upper

91 100

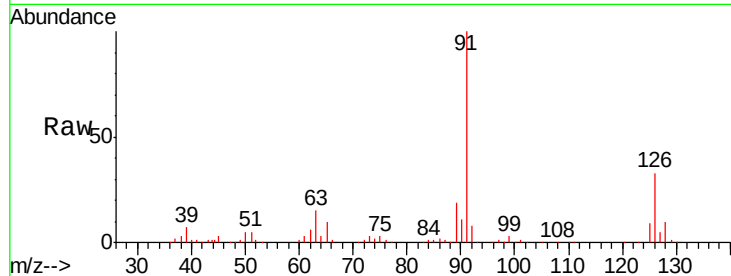
126 33.1 16.6 49.7

Manual Integrations

APPROVED

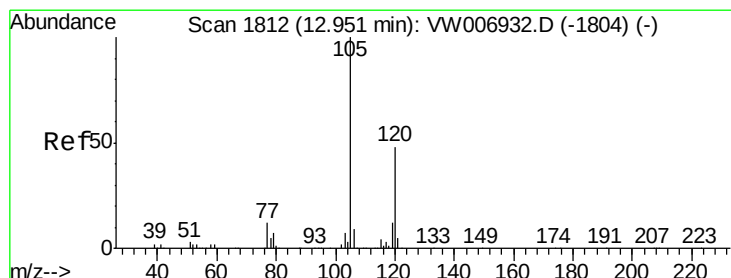
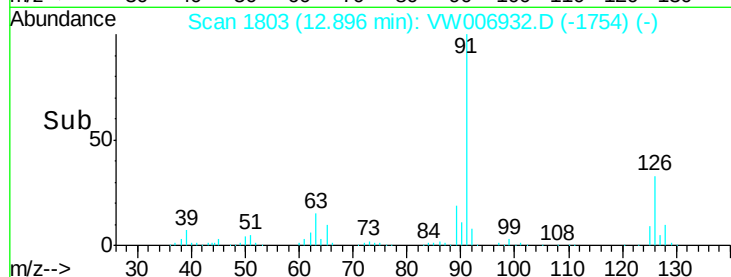
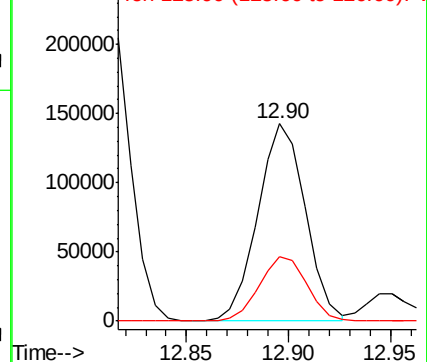
sam

11/19/2018 5:00:14 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.08 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006932.D

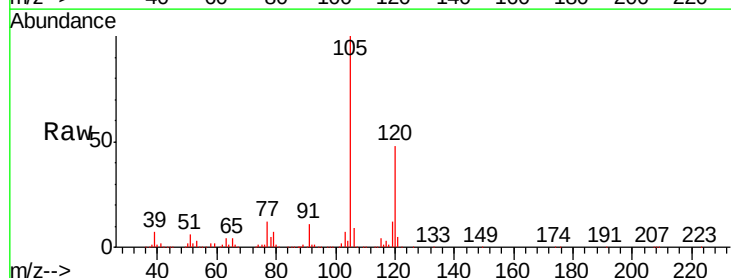
Acq: 17 Nov 2018 00:09

Tgt Ion: 105 Resp: 286596

Ion Ratio Lower Upper

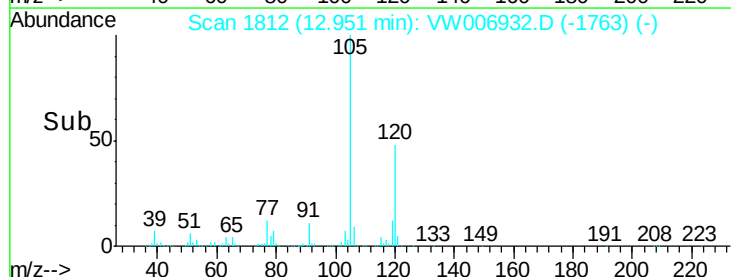
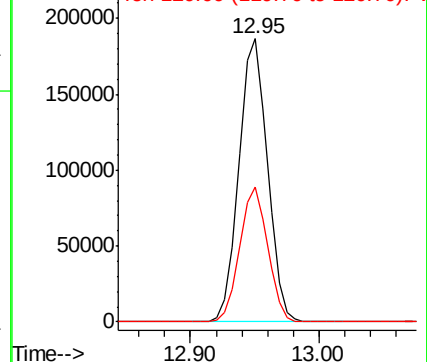
105 100

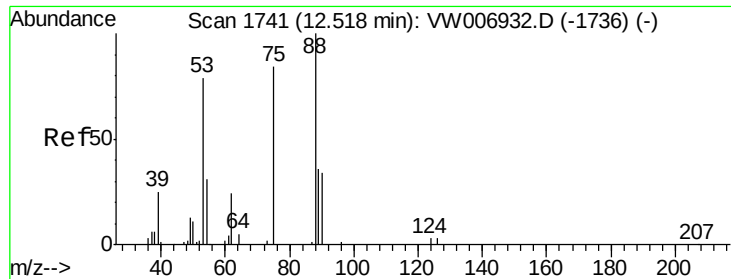
120 47.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





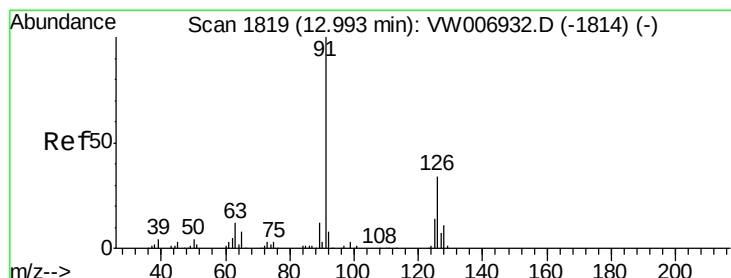
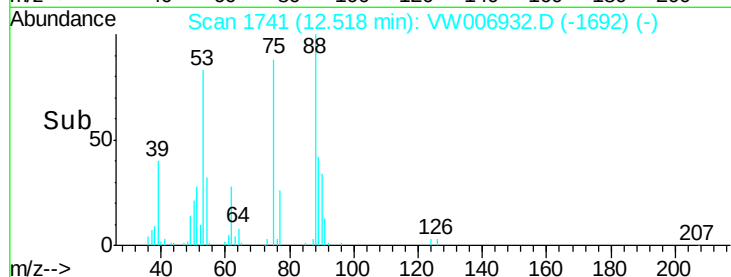
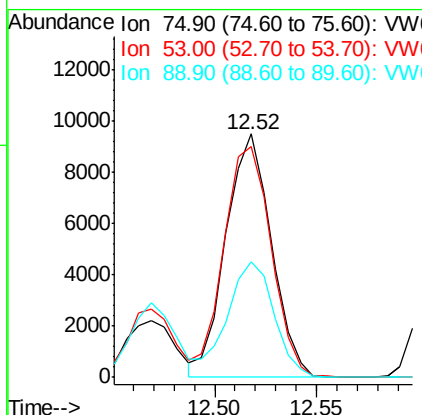
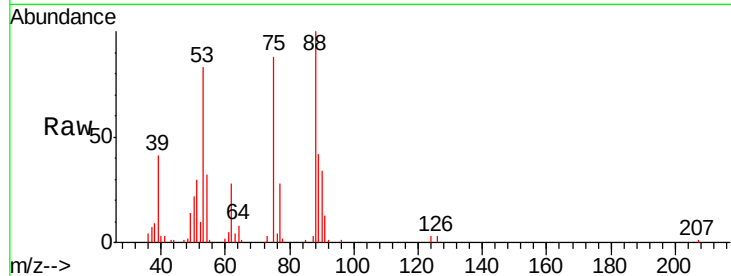
#81
trans-1,4-Dichloro-2-butene
Concen: 59.00 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	99.1	79.3	118.9
89	49.4	39.5	59.3

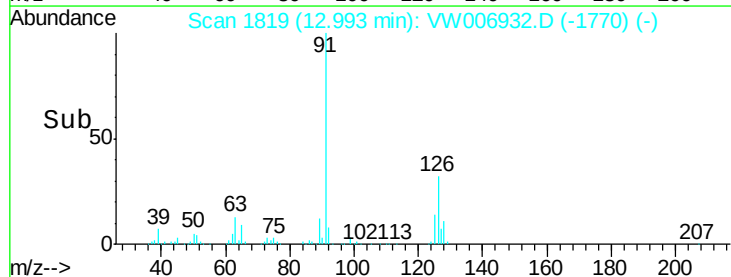
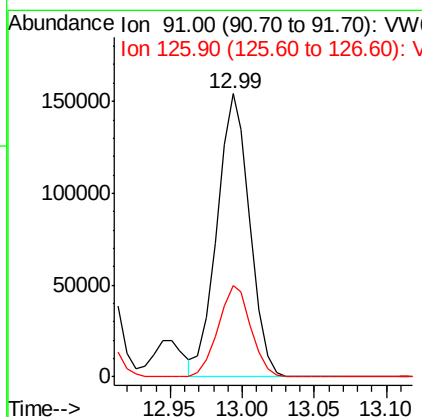
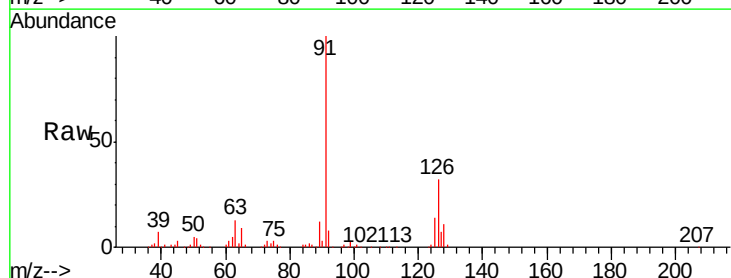
Manual Integrations
APPROVED

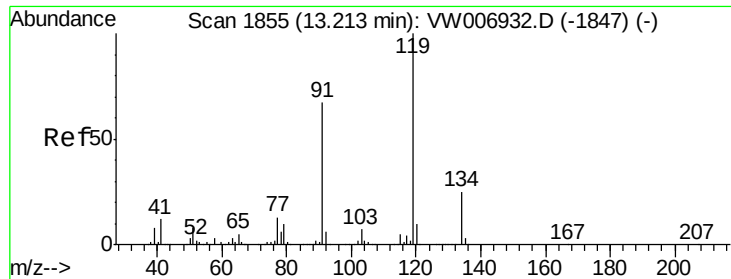
sam
11/19/2018 5:00:14 PM



#82
4-Chlorotoluene
Concen: 58.59 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.6





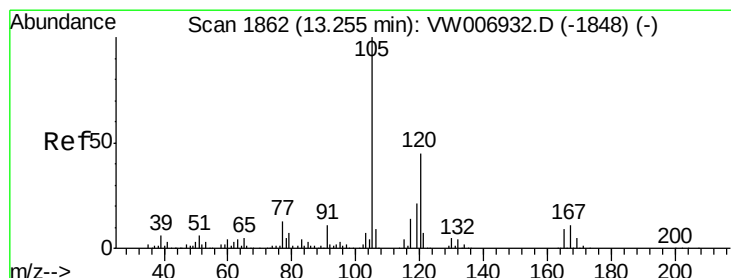
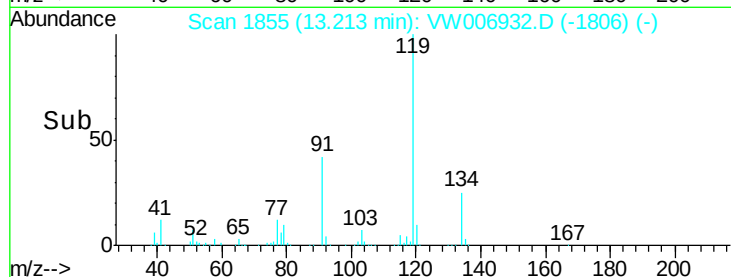
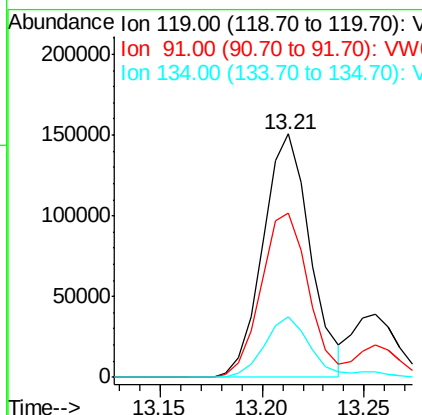
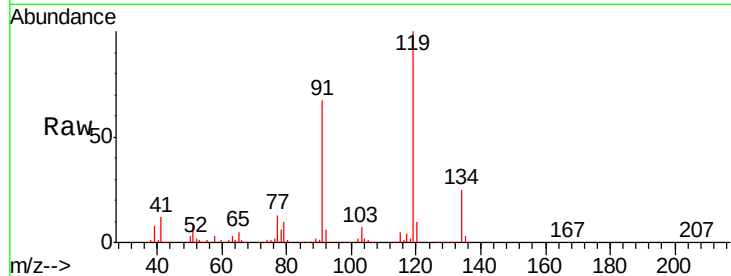
#83
 tert-Butylbenzene
 Concen: 55.21 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.4
134	25.2	12.6	37.8

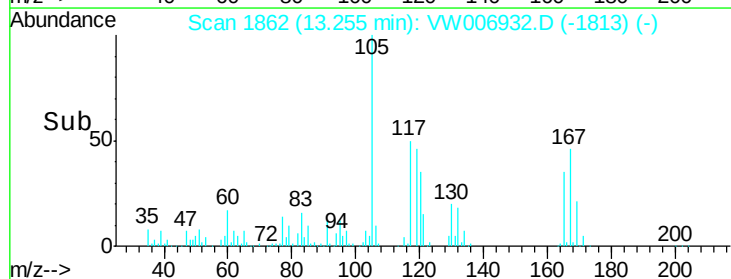
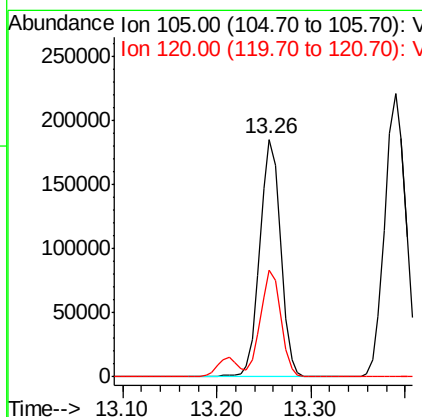
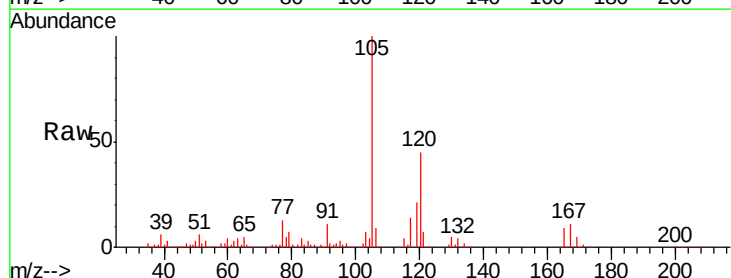
Manual Integrations
 APPROVED

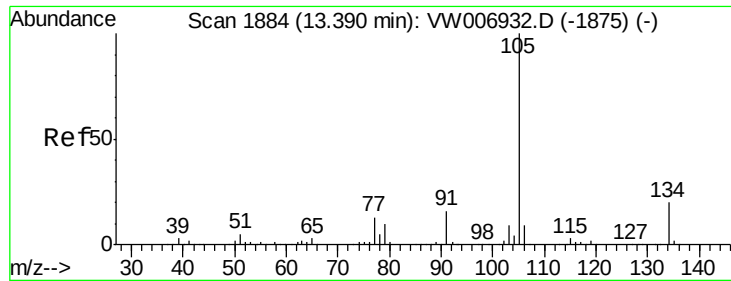
sam
 11/19/2018 5:00:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 56.64 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.8





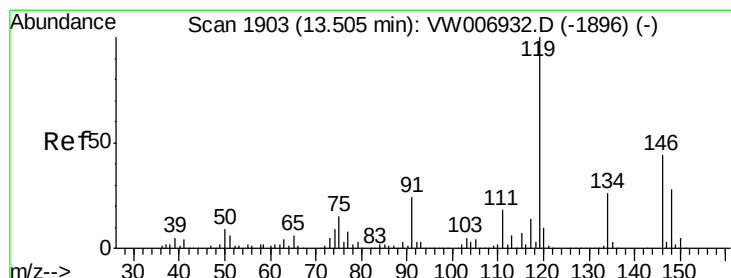
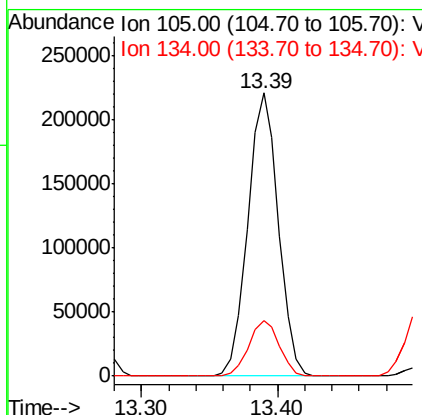
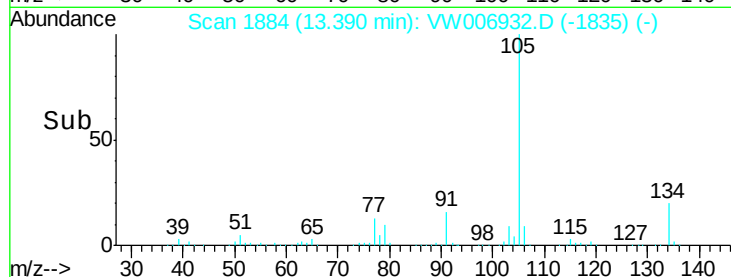
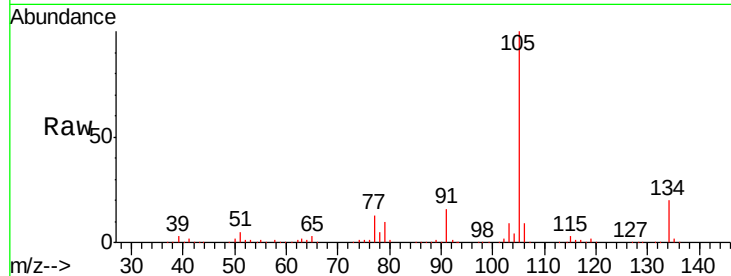
#85
 sec-Butylbenzene
 Concen: 55.51 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion:105 Resp: 346986
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.4

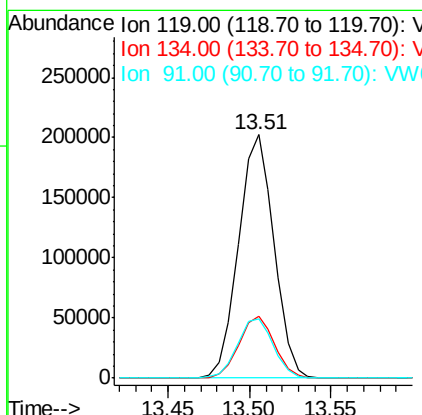
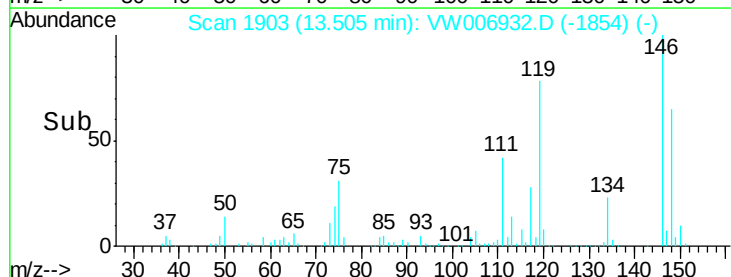
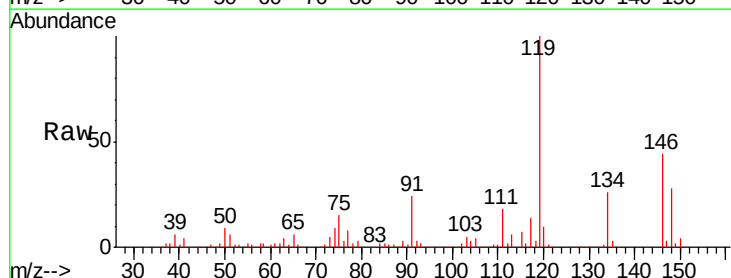
Manual Integrations
 APPROVED

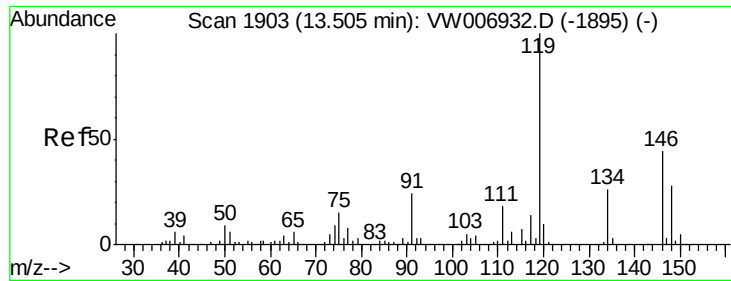
sam
 11/19/2018 5:00:14 PM



#86
 p-Isopropyltoluene
 Concen: 54.22 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion:119 Resp: 306058
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.1
 91 24.8 12.4 37.2





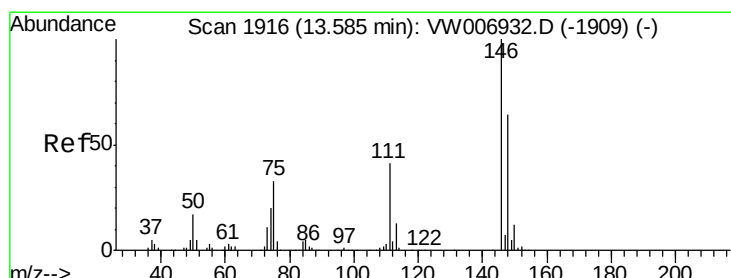
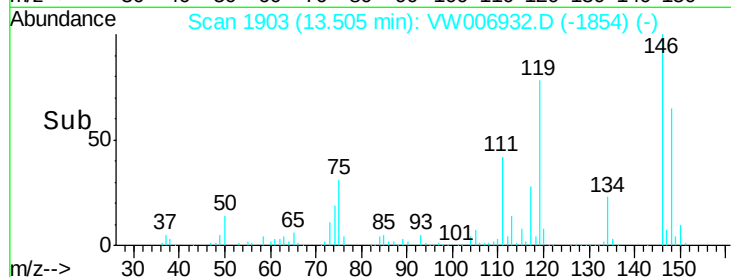
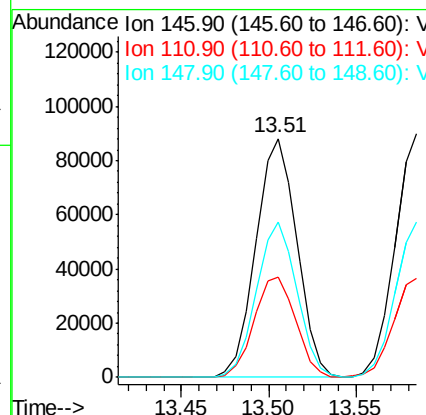
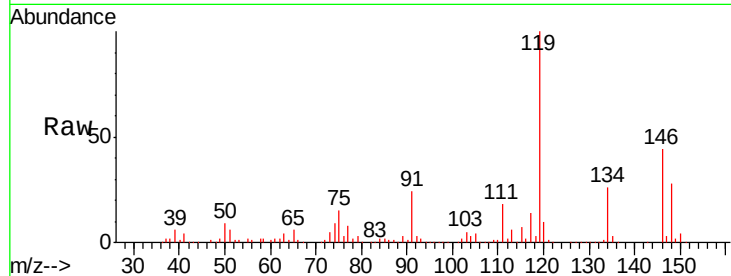
#87
 1,3-Dichlorobenzene
 Concen: 49.21 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.3	63.9
148	63.9	31.9	95.9

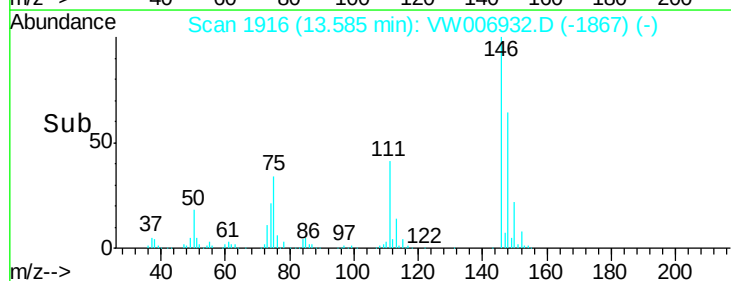
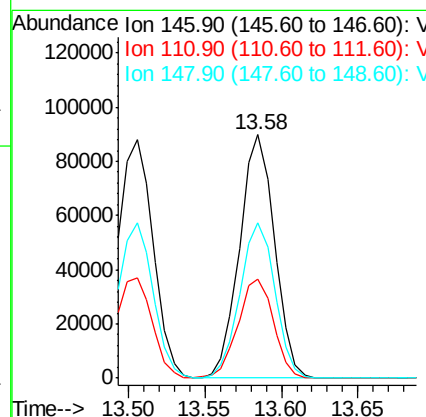
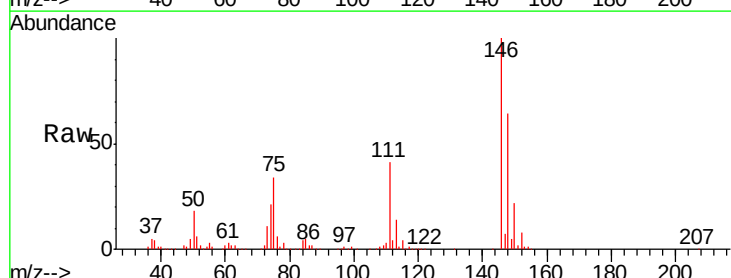
Manual Integrations
 APPROVED

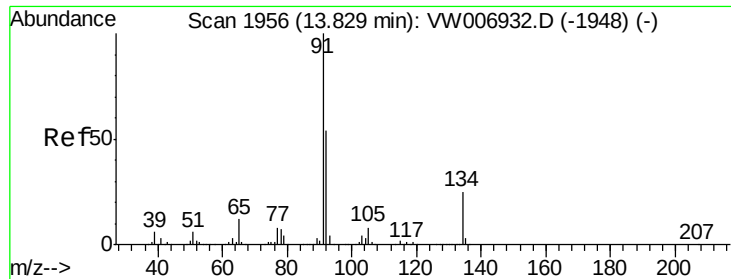
sam
 11/19/2018 5:00:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.40 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.9	31.9	95.9





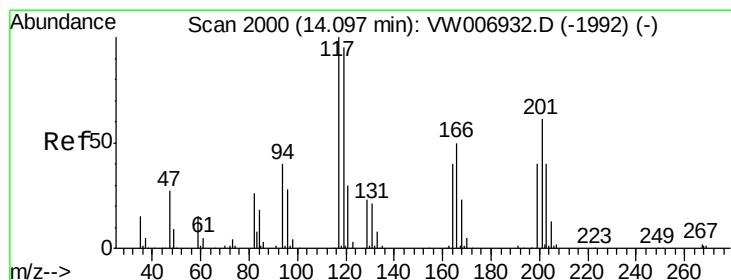
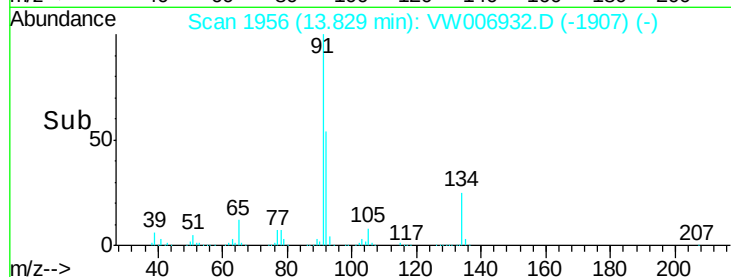
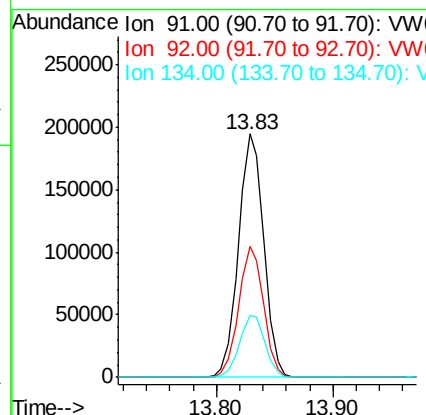
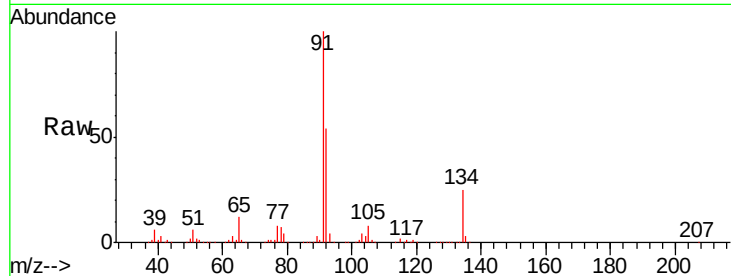
#89
n-Butylbenzene
Concen: 56.35 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.2
134	25.7	12.9	38.6

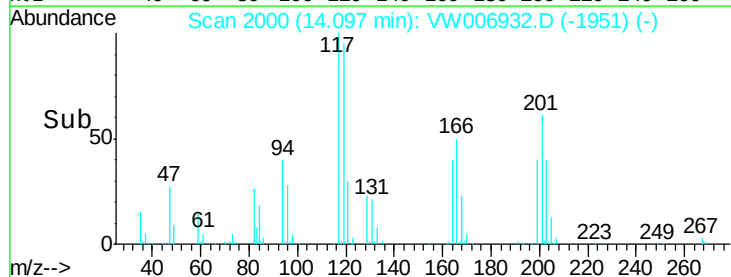
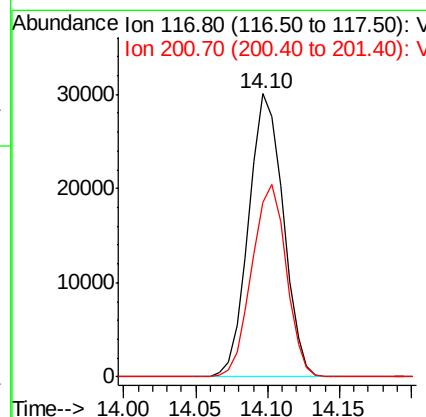
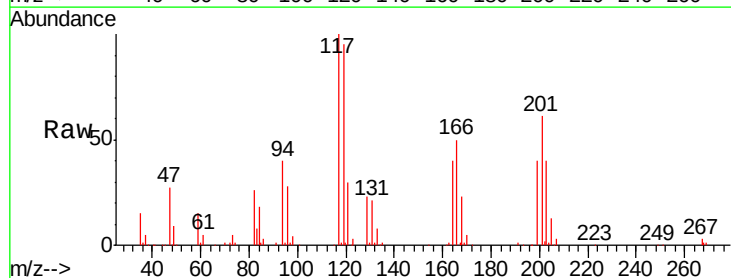
Manual Integrations
APPROVED

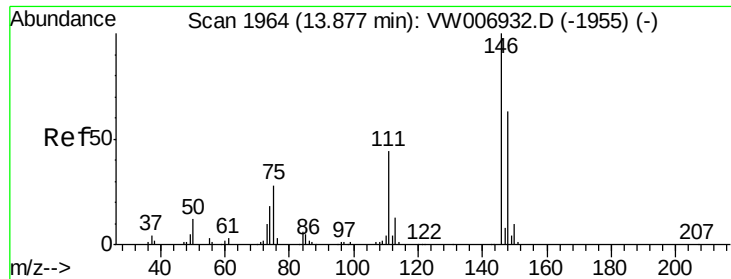
sam
11/19/2018 5:00:14 PM



#90
Hexachloroethane
Concen: 55.04 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	33.8	101.4





#91

1,2-Dichlorobenzene

Concen: 49.95 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Instrument :

MSVOA_W

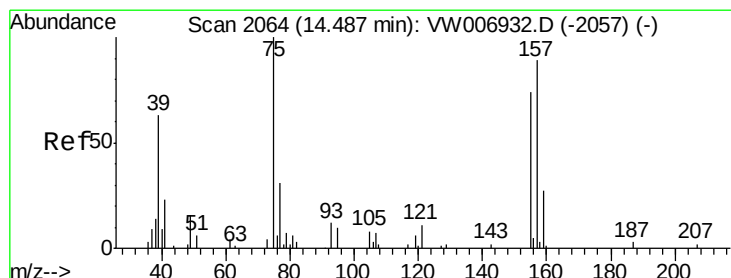
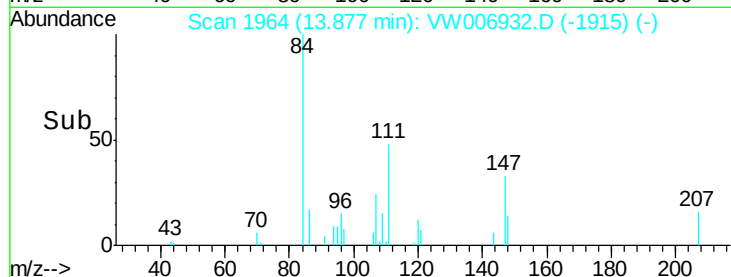
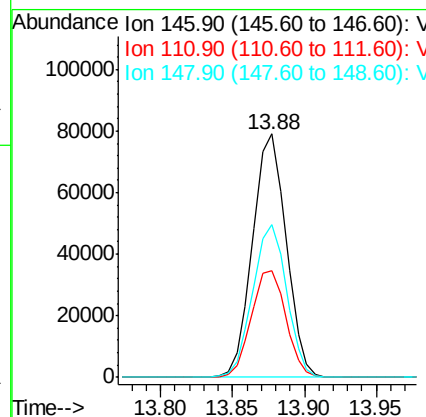
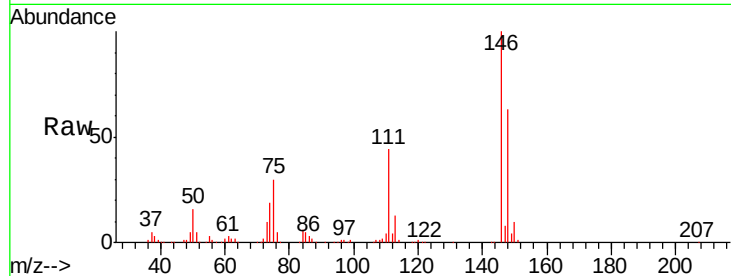
ClientSampled :

VSTDICCC050

Tgt Ion:	146	Resp:	127512
Ion Ratio	Lower	Upper	
146	100		
111	45.1	22.6	67.7
148	63.4	31.7	95.1

Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 65.29 ug/l

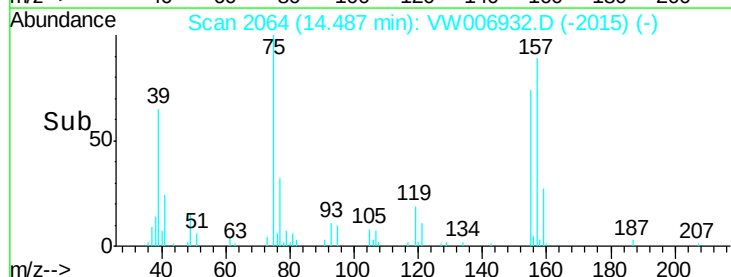
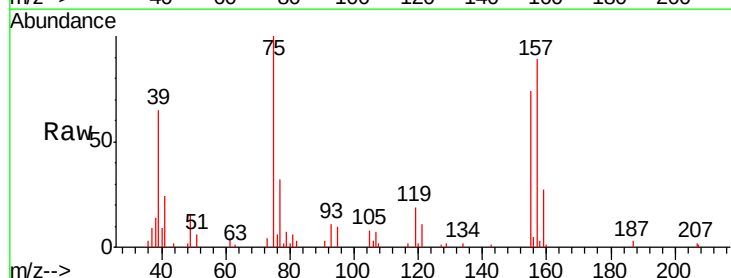
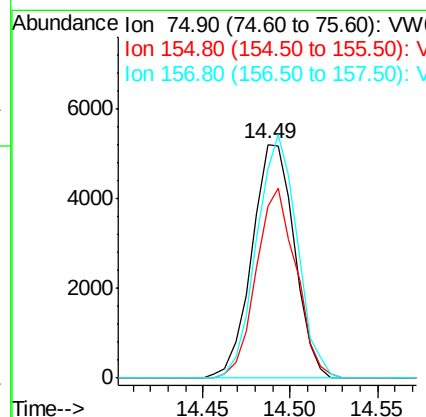
RT: 14.49 min Scan# 2064

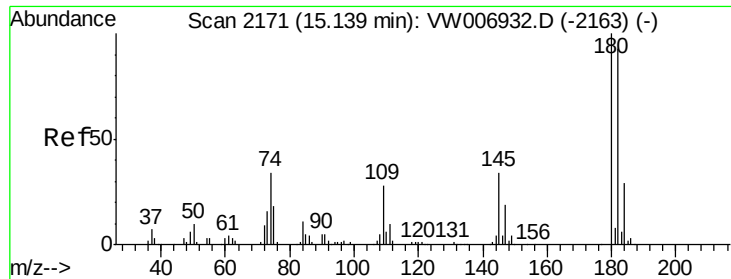
Delta R.T. 0.00 min

Lab File: VW006932.D

Acq: 17 Nov 2018 00:09

Tgt Ion:	75	Resp:	8759
Ion Ratio	Lower	Upper	
75	100		
155	77.1	38.6	115.7
157	99.4	49.7	149.1





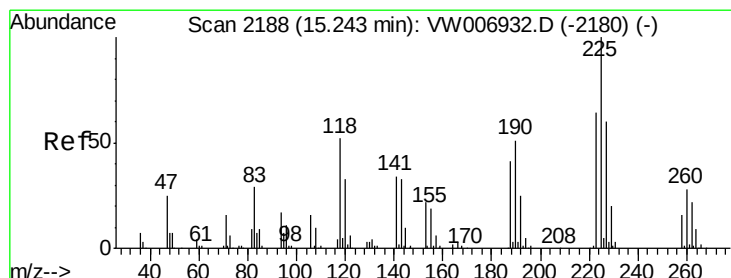
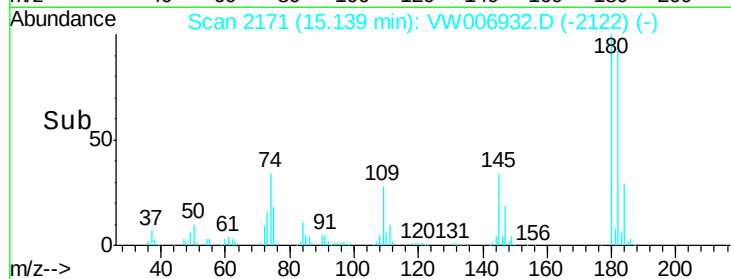
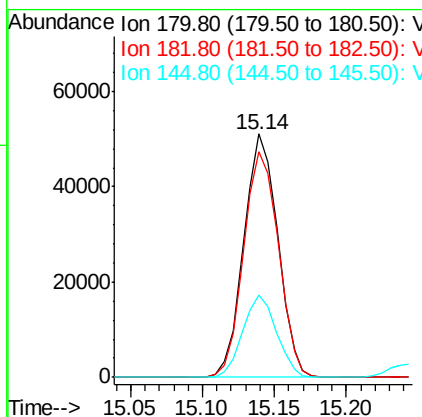
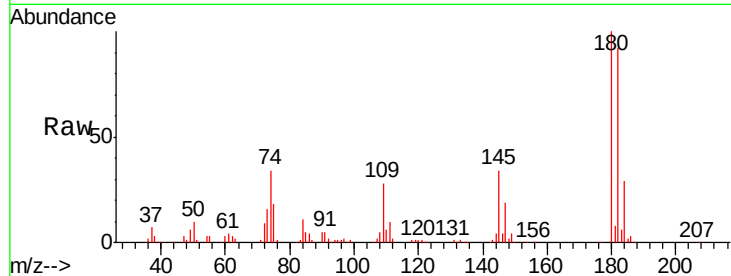
#93
 1,2,4-Trichlorobenzene
 Concen: 44.58 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83665		
182	94.6	47.3	141.9	
145	33.6	16.8	50.4	

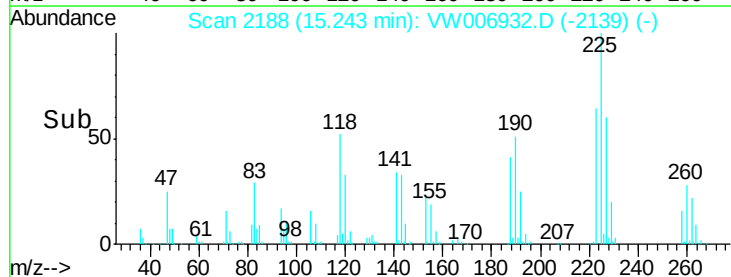
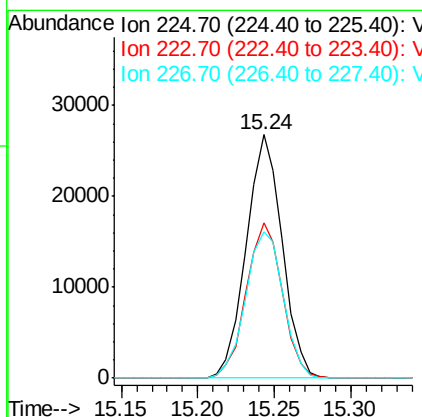
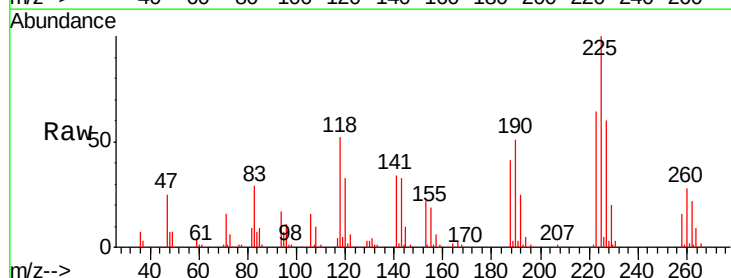
Manual Integrations
 APPROVED

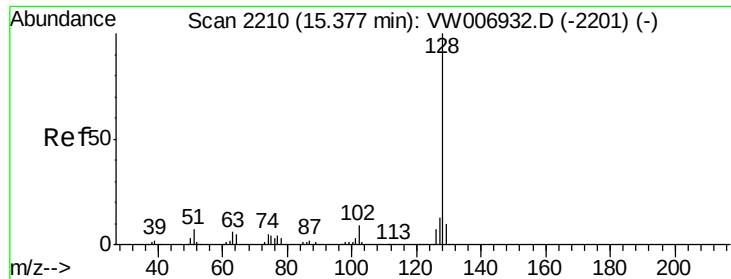
sam
 11/19/2018 5:00:14 PM



#94
 Hexachlorobutadiene
 Concen: 37.71 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006932.D
 Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43675		
223	64.2	32.1	96.3	
227	63.3	31.6	95.0	





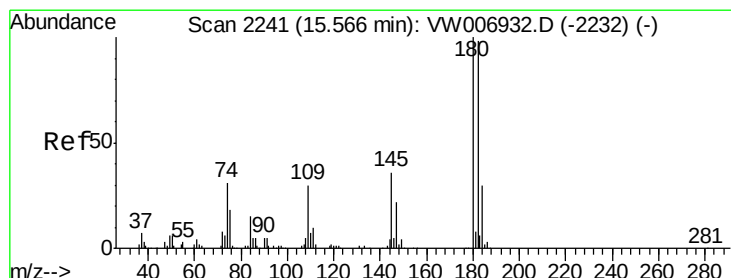
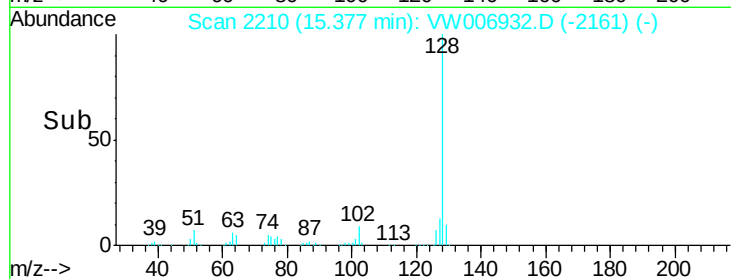
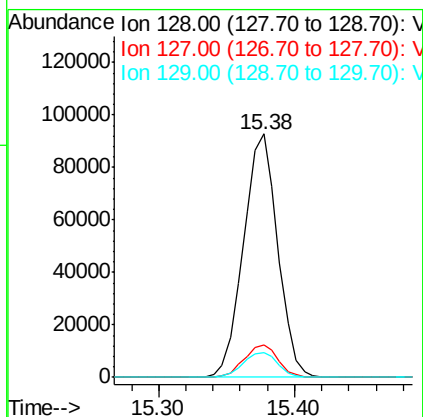
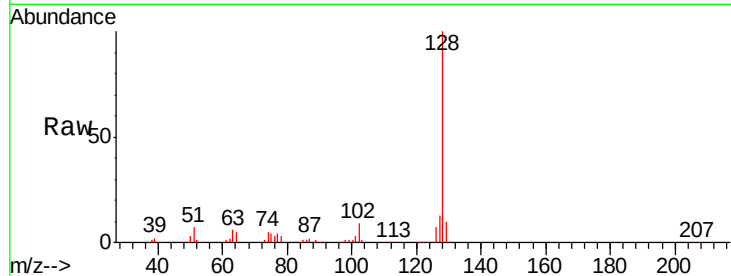
#95
Naphthalene
Concen: 55.74 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.6	8.5	12.7

Manual Integrations
APPROVED

sam
11/19/2018 5:00:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.20 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006932.D
Acq: 17 Nov 2018 00:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	35.3	17.6	52.9

