

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006547.D
 Acq On : 01 Nov 2018 01:39
 Operator : SY/AP
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:20:12 PM

Quant Time: Nov 01 03:40:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	392014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	216124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	259145	106.06	ug/l	0.00
Spiked Amount			Recovery	=	212.12%	
35) Dibromofluoromethane	7.88	113	271883	108.59	ug/l	0.00
Spiked Amount			Recovery	=	217.18%	
50) Toluene-d8	10.33	98	1042250	109.12	ug/l	0.00
Spiked Amount			Recovery	=	218.24%	
62) 4-Bromofluorobenzene	12.62	95	377062	105.82	ug/l	0.00
Spiked Amount			Recovery	=	211.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	138434	96.967	ug/l	100
3) Chloromethane	2.22	50	171585	92.685	ug/l	98
4) Vinyl Chloride	2.37	62	234067	88.998	ug/l	100
5) Bromomethane	2.79	94	199678	83.901	ug/l	100
6) Chloroethane	2.93	64	166192	88.466	ug/l	99
7) Trichlorofluoromethane	3.26	101	228426	94.209	ug/l	96
8) Diethyl Ether	3.68	74	120150	93.405	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	232096	90.111	ug/l	99
10) Methyl Iodide	4.26	142	415106	95.808	ug/l	100
11) Tert butyl alcohol	5.24	59	70623	442.941	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	223186	91.755	ug/l	98
13) Acrolein	3.90	56	91791	572.893	ug/l	99
14) Allyl chloride	4.67	41	308015	89.650	ug/l	99
15) Acrylonitrile	5.38	53	241705	515.462	ug/l	100
16) Acetone	4.14	43	201197	390.725	ug/l	99
17) Carbon Disulfide	4.37	76	659073	90.724	ug/l	99
18) Methyl Acetate	4.68	43	122457	101.584	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	353650	95.882	ug/l	99
20) Methylene Chloride	4.91	84	246126	86.015	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	259312	95.417	ug/l	99
22) Diisopropyl ether	6.31	45	637349	93.167	ug/l	99
23) Vinyl Acetate	6.26	43	1915780	477.590	ug/l	100
24) 1,1-Dichloroethane	6.21	63	419156	94.533	ug/l	99
25) 2-Butanone	7.18	43	308318	476.902	ug/l	97
26) 2,2-Dichloropropane	7.16	77	249775	81.414	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	290624	96.607	ug/l	99
28) Bromochloromethane	7.51	49	173977	101.883	ug/l	100
29) Tetrahydrofuran	7.54	42	199359	500.847	ug/l	99
30) Chloroform	7.68	83	462131	95.264	ug/l	99
31) Cyclohexane	7.96	56	359466	82.389	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	395677	91.454	ug/l	99
36) 1,1-Dichloropropene	8.09	75	352300	91.954	ug/l	99
37) Ethyl Acetate	7.26	43	141111	99.619	ug/l	99
38) Carbon Tetrachloride	8.07	117	381187	91.392	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006547.D
 Acq On : 01 Nov 2018 01:39
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:20:12 PM

Quant Time: Nov 01 03:40:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	463469	91.468	ug/l	99
40) Benzene	8.32	78	1015230	95.841	ug/l	100
41) Methacrylonitrile	7.49	41	80781	95.293	ug/l	95
42) 1,2-Dichloroethane	8.40	62	294735	95.324	ug/l	100
43) Isopropyl Acetate	8.43	43	283678	98.579	ug/l	97
44) Trichloroethene	9.09	130	313253	96.342	ug/l	97
45) 1,2-Dichloropropane	9.37	63	240920	95.422	ug/l	98
46) Dibromomethane	9.46	93	145159	100.588	ug/l	100
47) Bromodichloromethane	9.65	83	339866	97.472	ug/l	100
48) Methyl methacrylate	9.44	41	138023	100.903	ug/l	99
49) 1,4-Dioxane	9.48	88	43953	1991.883	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	733753	506.422	ug/l	99
52) Toluene	10.39	92	687653	96.856	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	345064	99.734	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	392081	98.510	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	207696	102.615	ug/l	98
56) Ethyl methacrylate	10.65	69	259559	105.317	ug/l	98
57) 1,3-Dichloropropane	10.93	76	335333	100.381	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	634888	648.395	ug/l	99
59) 2-Hexanone	10.98	43	504306	489.549	ug/l	99
60) Dibromochloromethane	11.13	129	259315	103.334	ug/l	100
61) 1,2-Dibromoethane	11.24	107	209842	103.818	ug/l	99
64) Tetrachloroethene	10.87	164	298292	97.267	ug/l	99
65) Chlorobenzene	11.66	112	792030	94.265	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	289970	97.404	ug/l	99
67) Ethyl Benzene	11.74	91	1342123	92.687	ug/l	100
68) m/p-Xylenes	11.84	106	1076747	187.752	ug/l	100
69) o-Xylene	12.17	106	516950	94.542	ug/l	99
70) Styrene	12.18	104	855572	96.121	ug/l	100
71) Bromoform	12.35	173	173339	105.238	ug/l #	100
73) Isopropylbenzene	12.47	105	1418551	93.601	ug/l	100
74) N-amyl acetate	12.27	43	278453	96.260	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	241217	104.621	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	153025m	91.497	ug/l	
77) Bromobenzene	12.75	156	361213	96.702	ug/l	98
78) n-propylbenzene	12.81	91	1616354	91.948	ug/l	100
79) 2-Chlorotoluene	12.90	91	920949	93.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1182367	92.679	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	72206	106.641	ug/l	95
82) 4-Chlorotoluene	12.99	91	976634	93.949	ug/l	99
83) tert-Butylbenzene	13.21	119	1064225	93.187	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1203594	92.953	ug/l	100
85) sec-Butylbenzene	13.39	105	1468339	91.279	ug/l	100
86) p-Isopropyltoluene	13.51	119	1343278	92.240	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	706997	95.121	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	691881	93.555	ug/l	100
89) n-Butylbenzene	13.83	91	1183723	89.127	ug/l	99
90) Hexachloroethane	14.10	117	229182	93.373	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	629776	94.964	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40311	99.121	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
Data File : VW006547.D
Acq On : 01 Nov 2018 01:39
Operator : SY/AP
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM

Quant Time: Nov 01 03:40:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	473517	92.727	ug/l	100
94) Hexachlorobutadiene	15.24	225	283739	89.020	ug/l	100
95) Naphthalene	15.38	128	857667	101.364	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	419271	94.791	ug/l	99

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

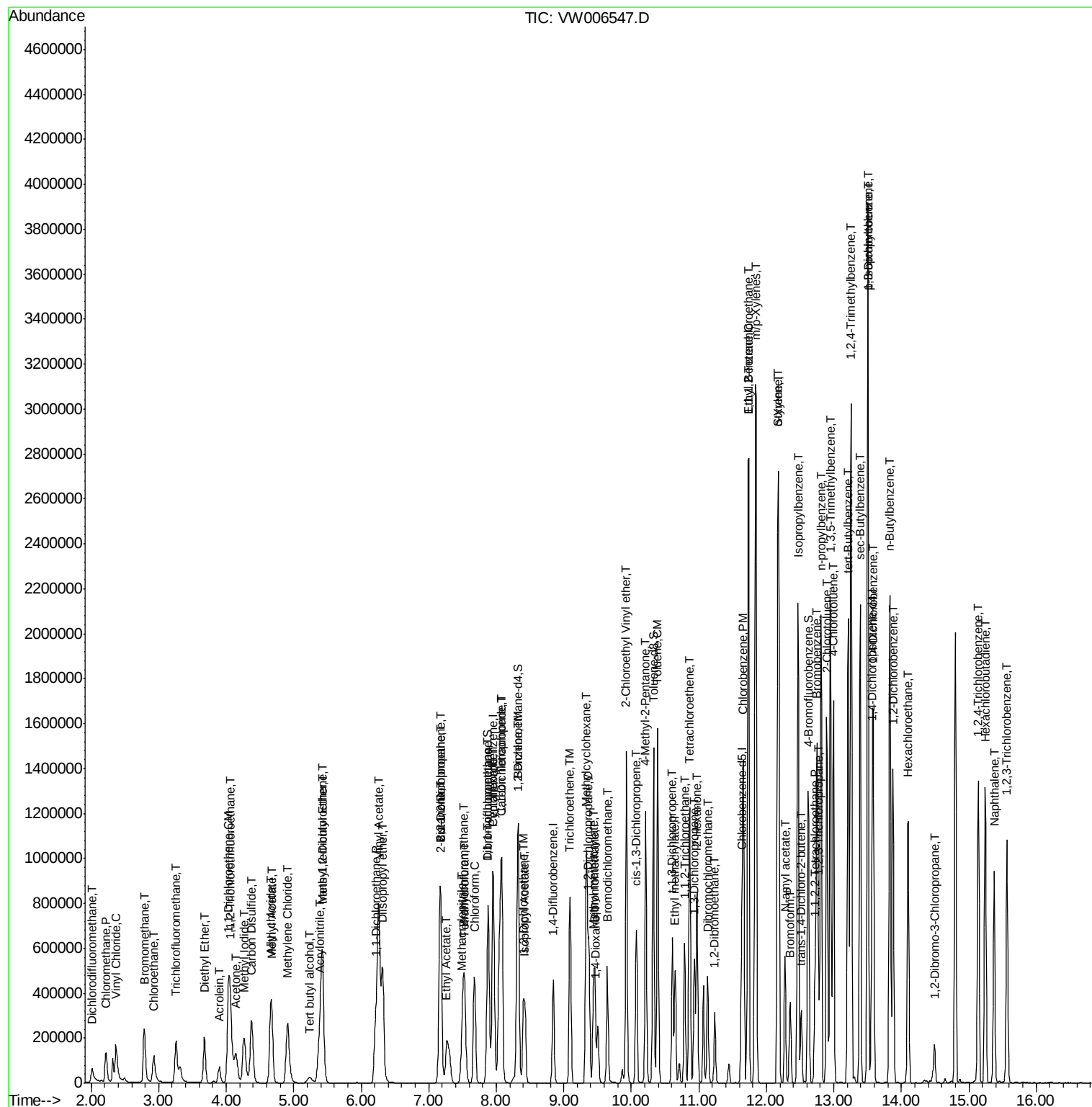
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
Data File : VW006547.D
Acq On : 01 Nov 2018 01:39
Operator : SY/AP
Sample : VSTDICC100
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

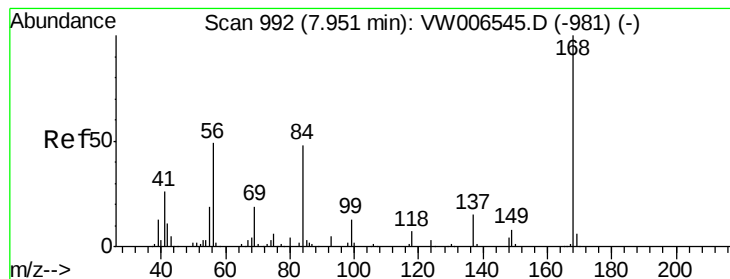
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM

Quant Time: Nov 01 03:40:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:03:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 291864

Ion Ratio Lower Upper

168 100

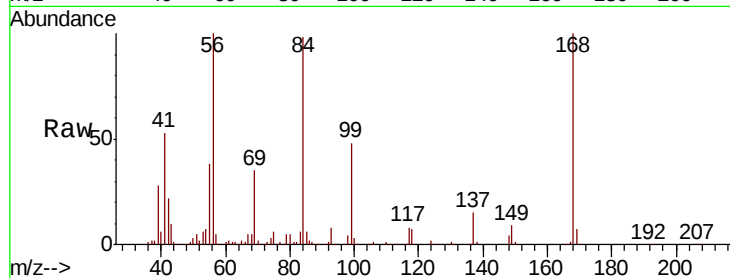
99 48.1 37.4 56.0

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

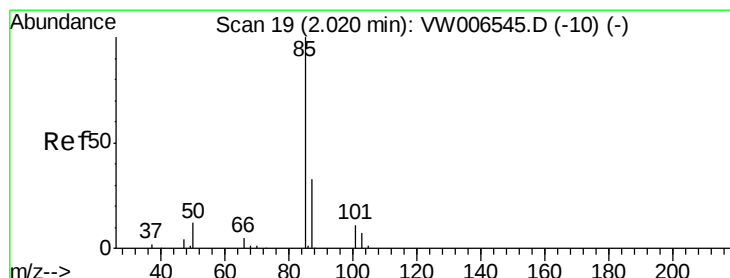
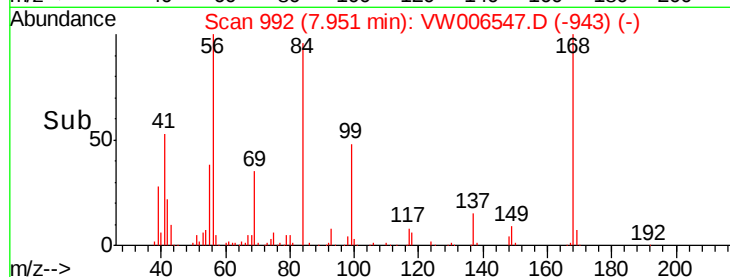
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 96.967 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW006547.D

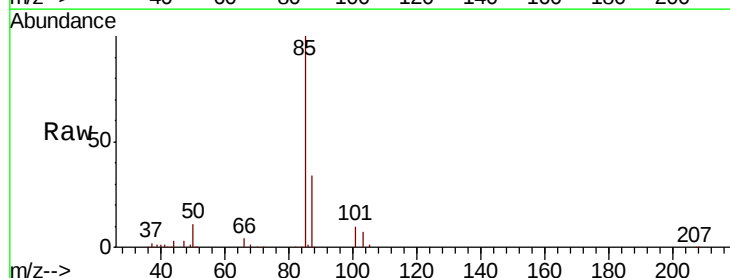
Acq: 01 Nov 2018 01:39

Tgt Ion: 85 Resp: 138434

Ion Ratio Lower Upper

85 100

87 33.7 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

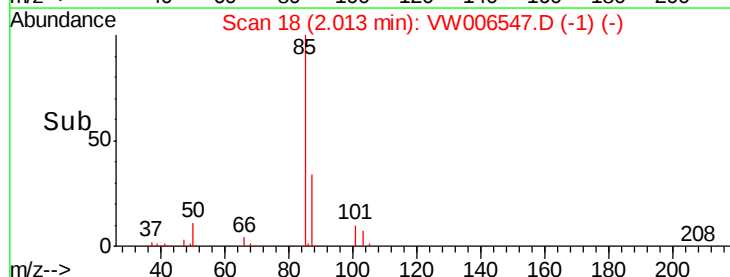
30000

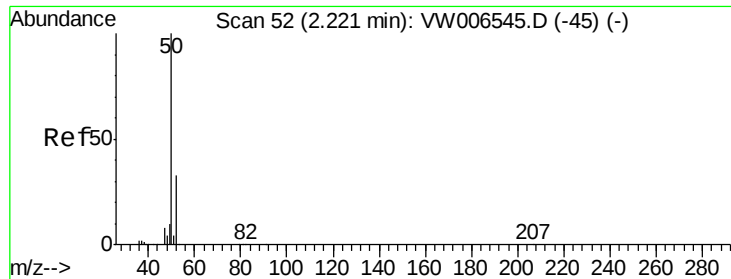
20000

10000

0

Time--> 1.80 2.00 2.20 2.40





#3

Chloromethane

Concen: 92.685 ug/l

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 171585

Ion Ratio Lower Upper

50 100

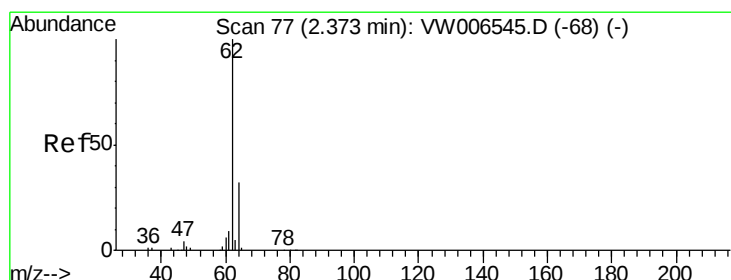
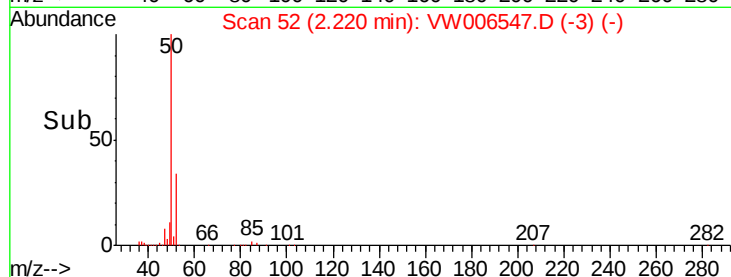
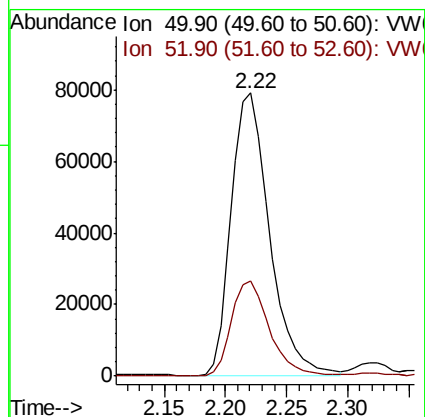
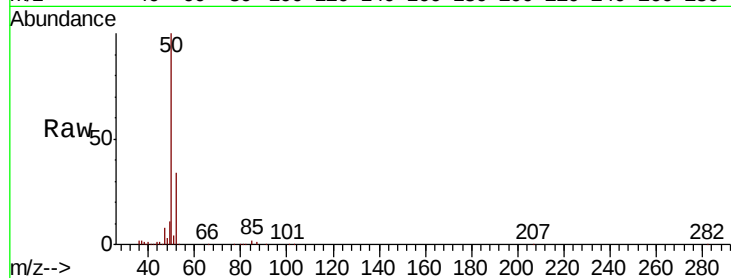
52 33.7 26.2 39.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#4

Vinyl Chloride

Concen: 88.998 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006547.D

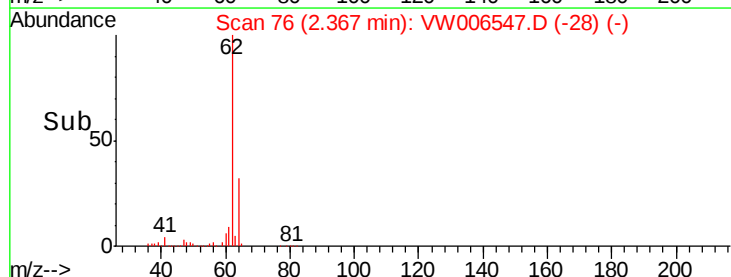
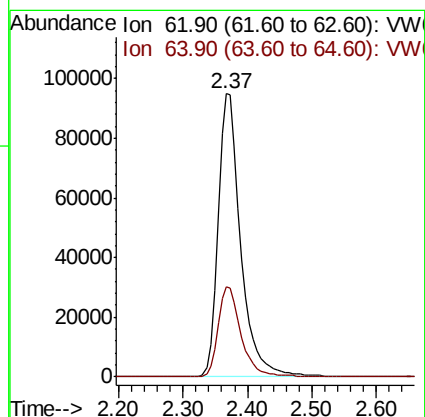
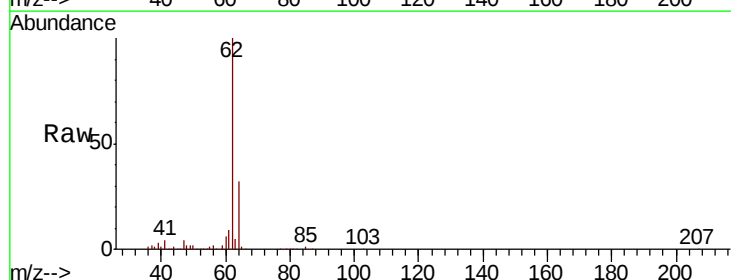
Acq: 01 Nov 2018 01:39

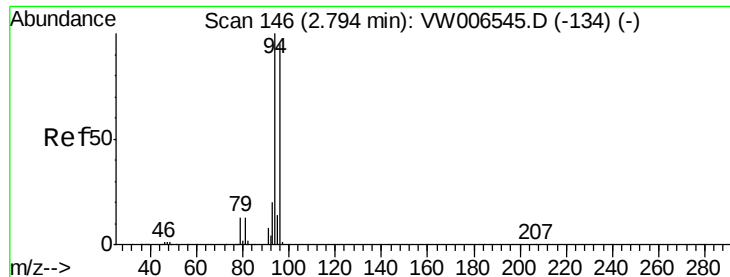
Tgt Ion: 62 Resp: 234067

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.0





#5

Bromomethane

Concen: 83.901 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 199678

Ion Ratio Lower Upper

94 100

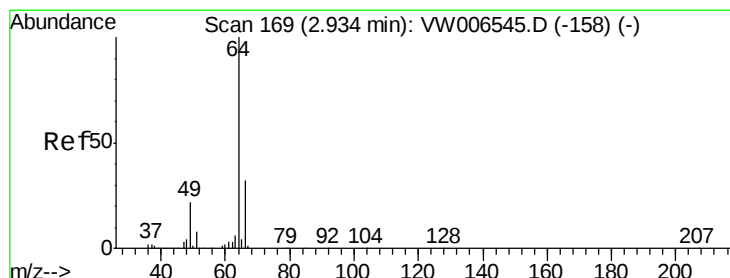
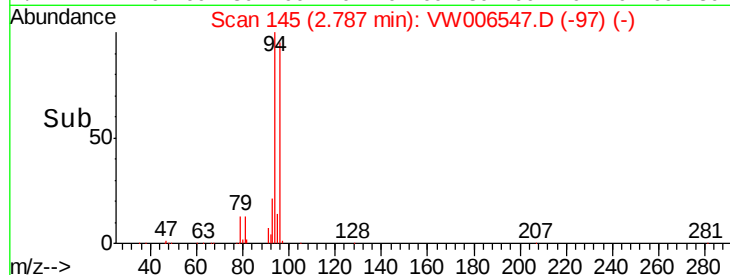
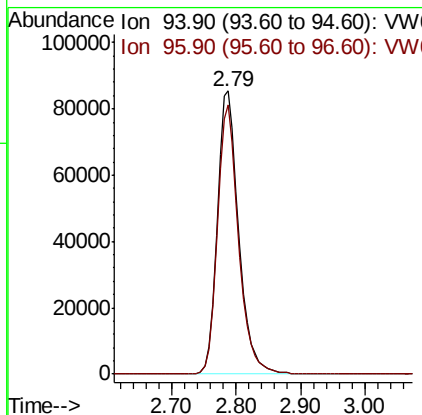
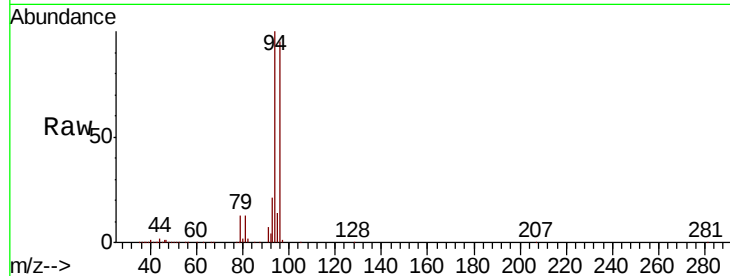
96 94.9 75.7 113.5

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#6

Chloroethane

Concen: 88.466 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006547.D

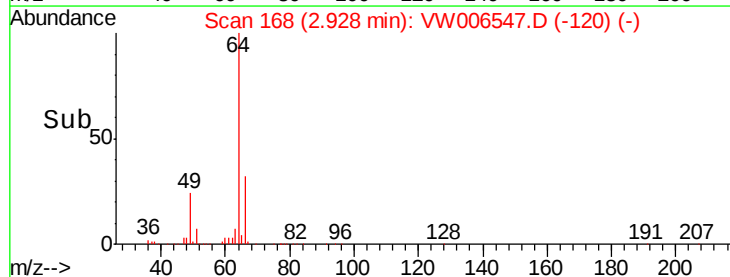
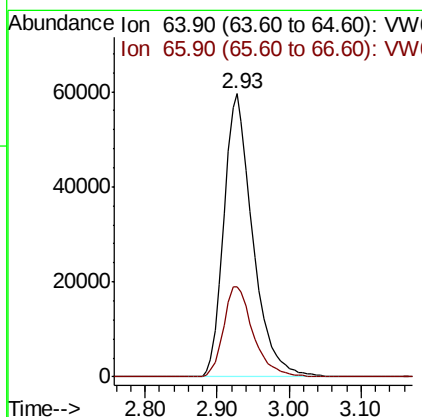
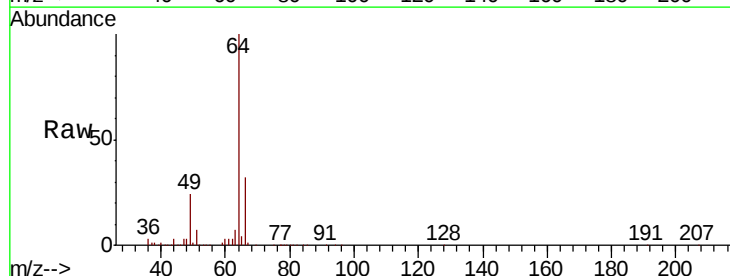
Acq: 01 Nov 2018 01:39

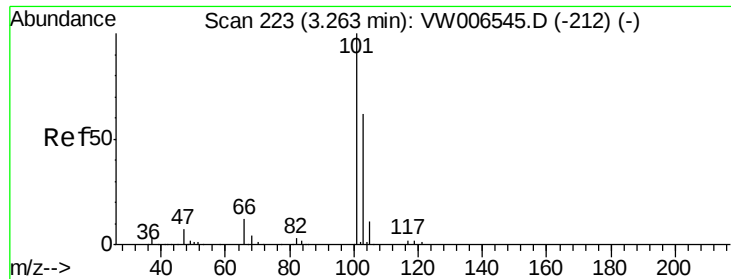
Tgt Ion: 64 Resp: 166192

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9





#7

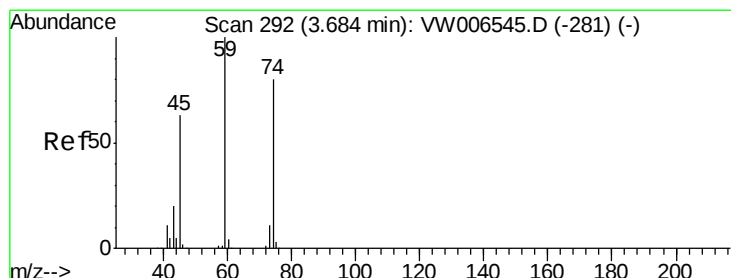
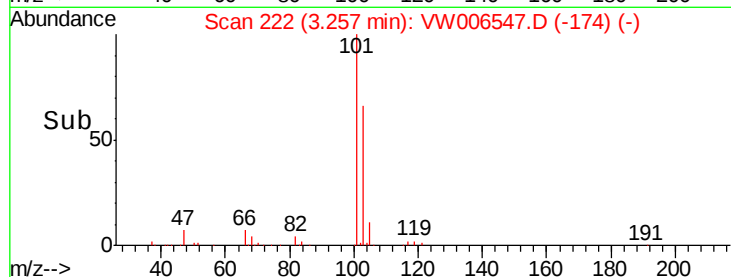
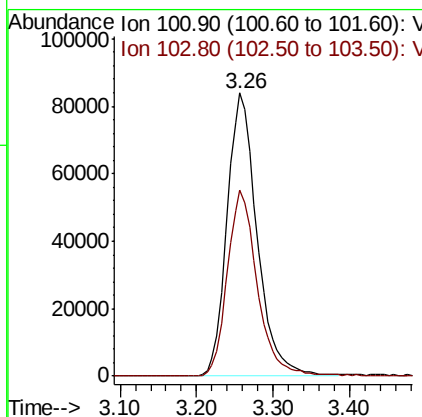
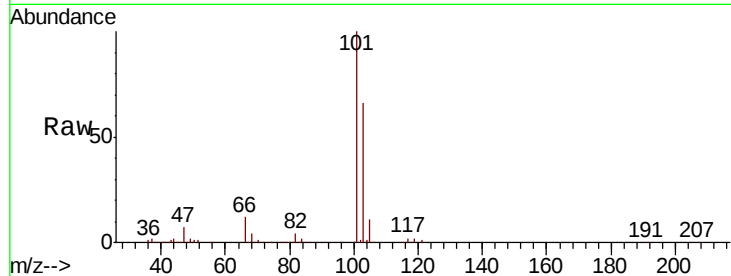
Trichlorofluoromethane
Concen: 94.209 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.8	74.8

Manual Integrations
APPROVED

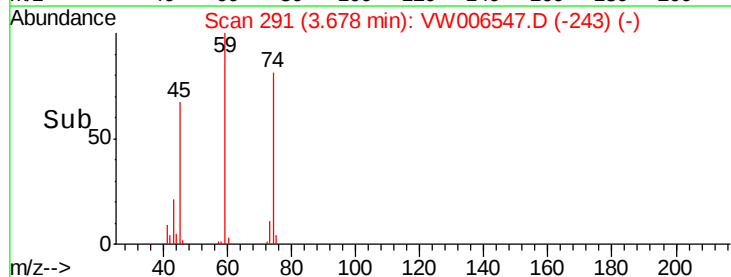
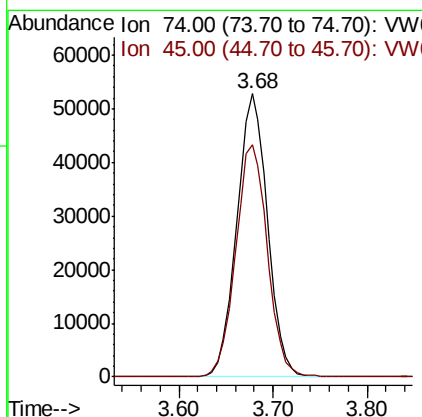
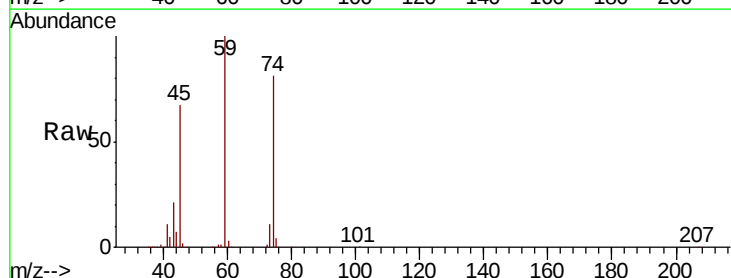
apatel
11/2/2018 3:20:12 PM

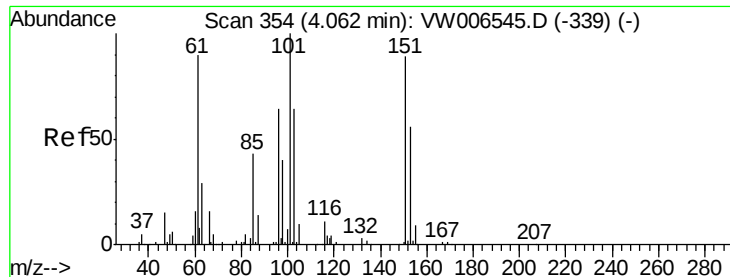


#8

Diethyl Ether
Concen: 93.405 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.4	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.111 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

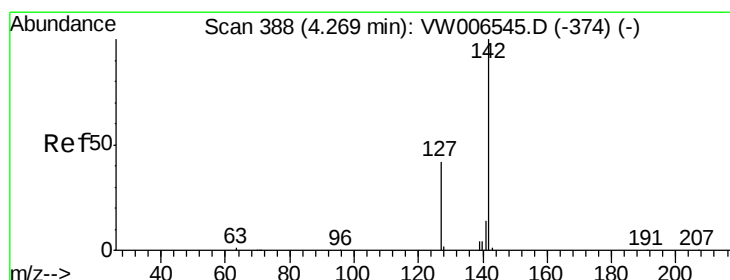
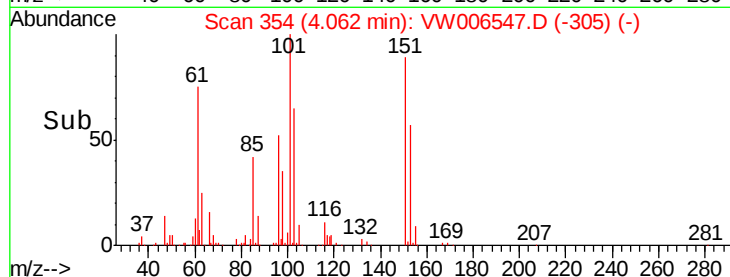
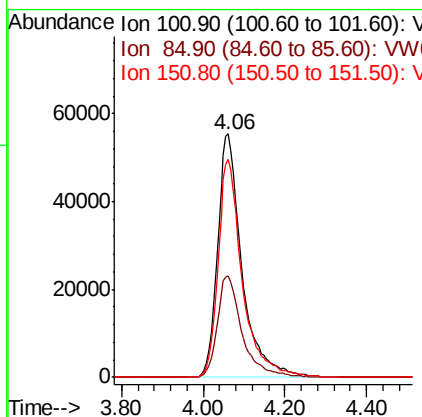
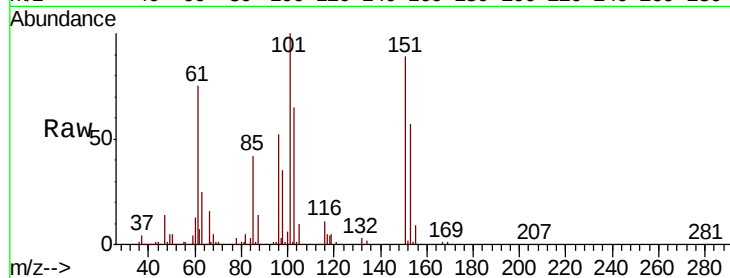
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	232096
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	89.1	70.7	106.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#10

Methyl Iodide

Concen: 95.808 ug/l

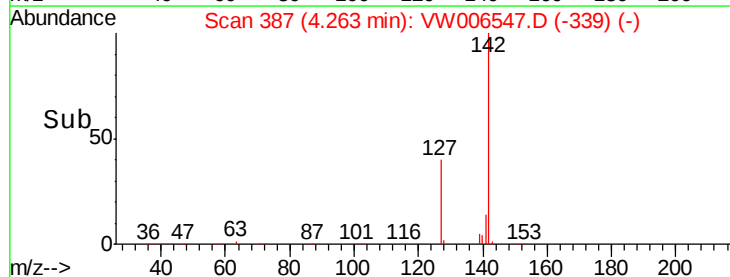
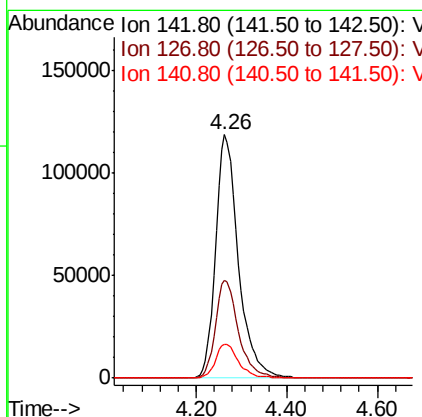
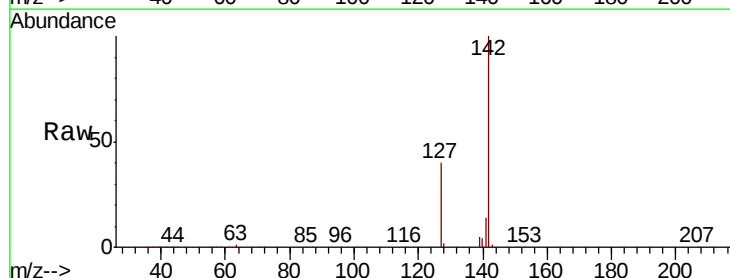
RT: 4.26 min Scan# 387

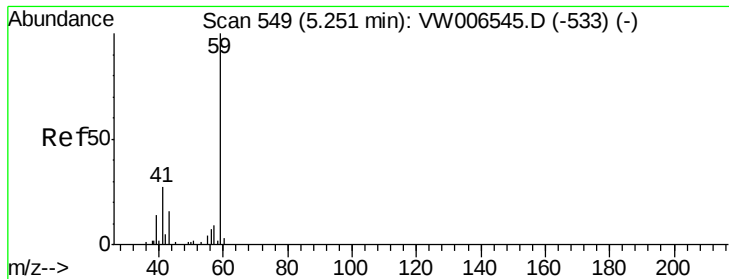
Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	142	Resp:	415106
Ion Ratio	Lower	Upper	
142	100		
127	40.5	32.3	48.5
141	14.3	11.3	16.9





#11

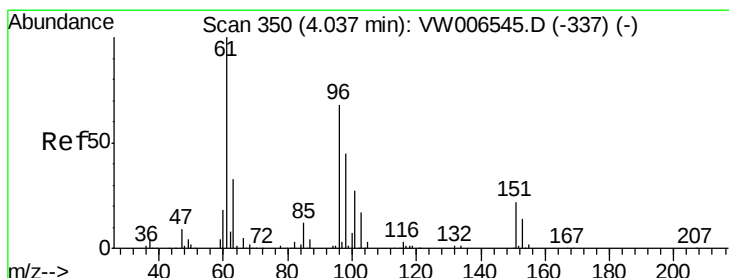
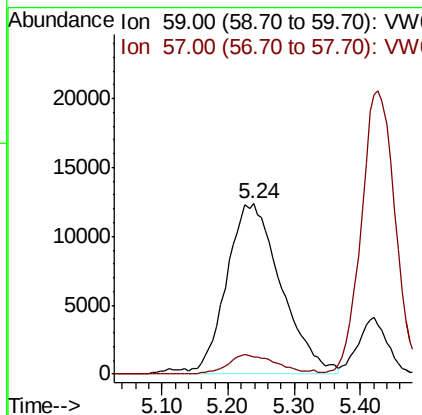
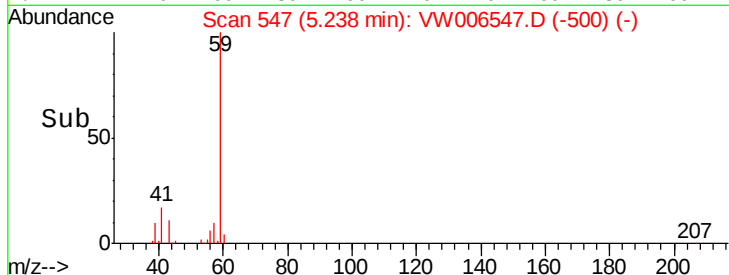
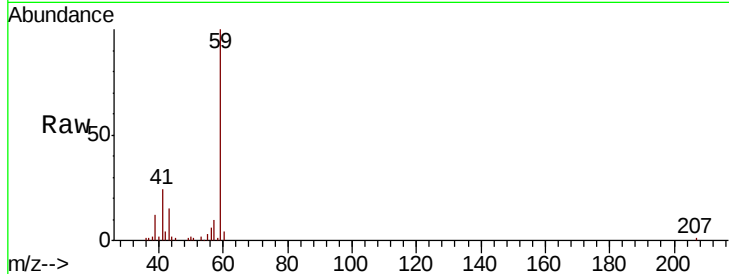
Tert butyl alcohol
Concen: 442.941 ug/l
RT: 5.24 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	4.3	6.5#

Manual Integrations
APPROVED

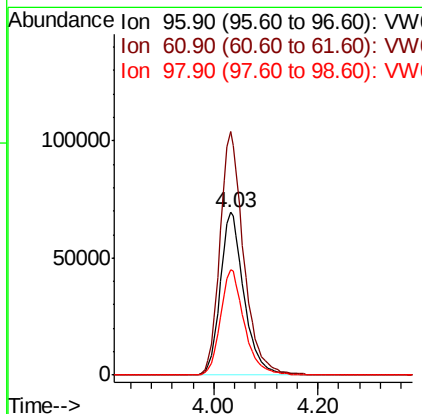
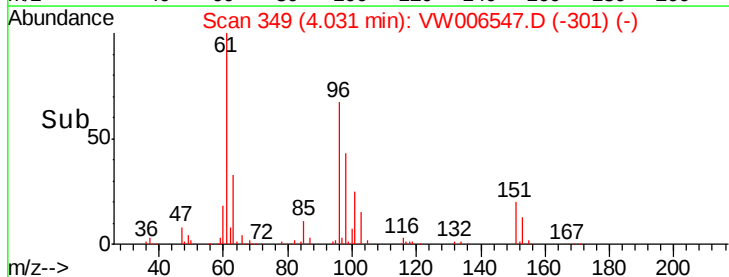
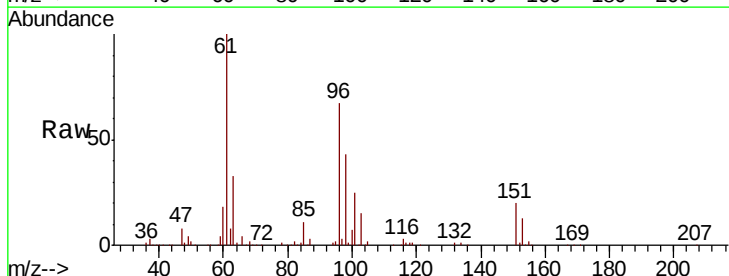
apatel
11/2/2018 3:20:12 PM

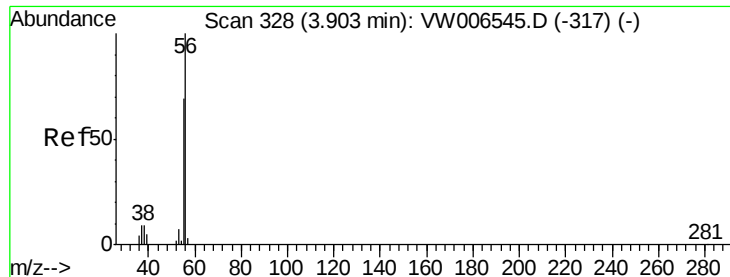


#12

1,1-Dichloroethene
Concen: 91.755 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	117.0	175.4
98	64.8	52.5	78.7





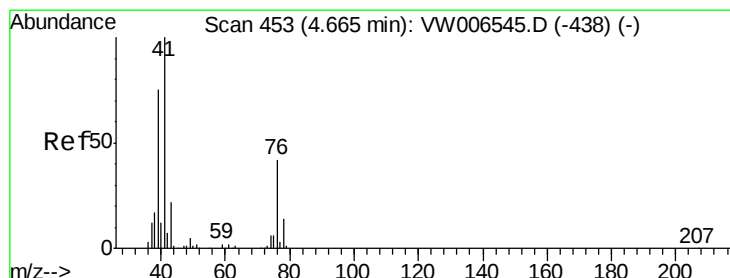
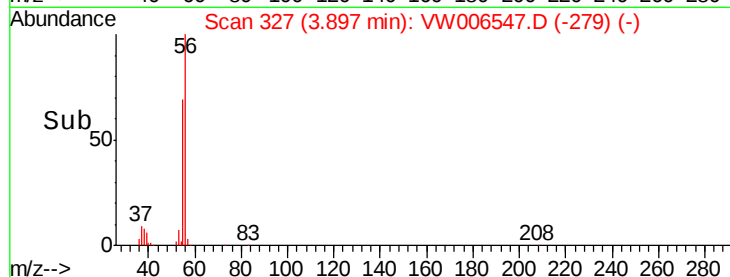
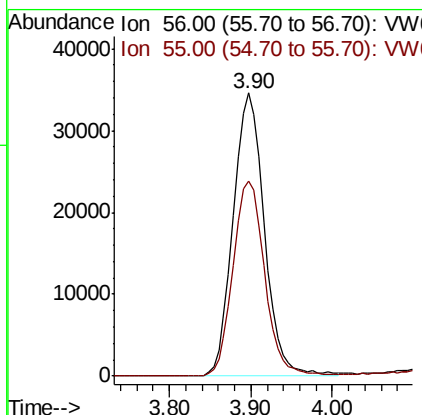
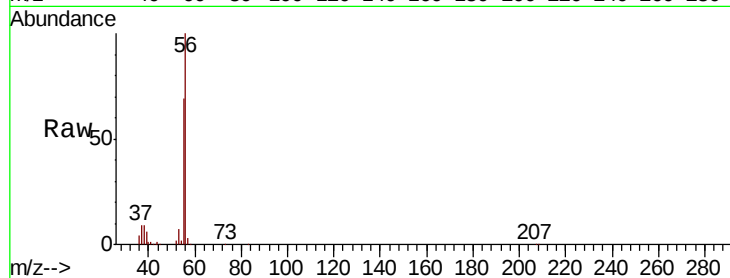
#13
Acrolein
Concen: 572.893 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.9	56.9	85.3

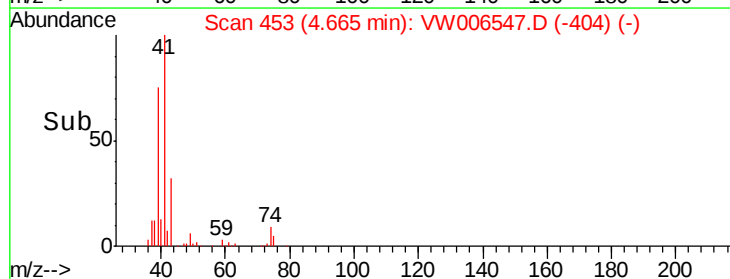
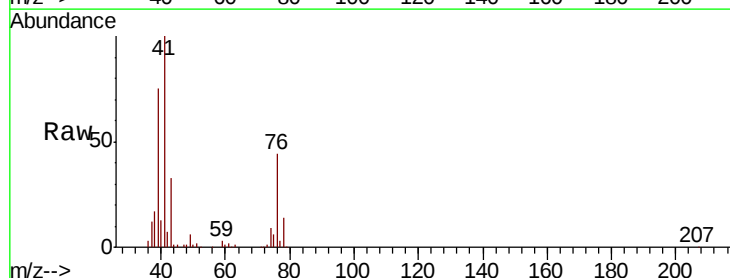
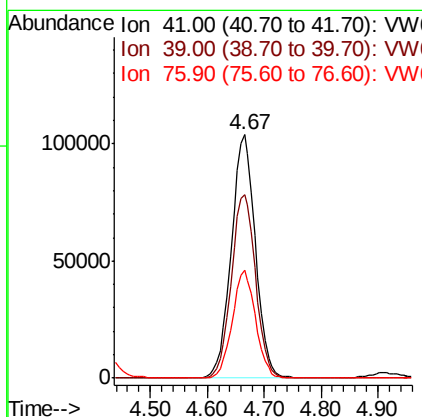
Manual Integrations
APPROVED

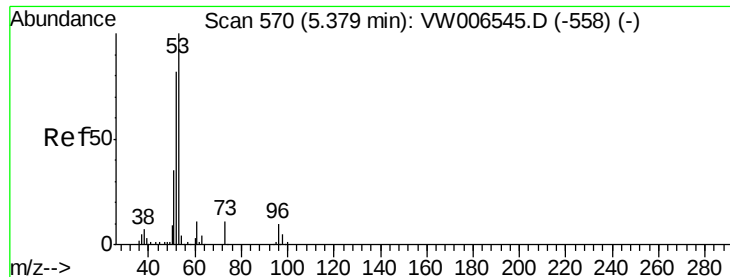
apatel
11/2/2018 3:20:12 PM



#14
Allyl chloride
Concen: 89.650 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.9	62.1	93.1
76	42.7	34.2	51.2





#15

Acrylonitrile

Concen: 515.462 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

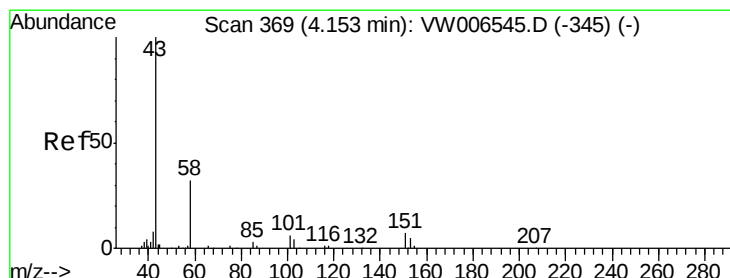
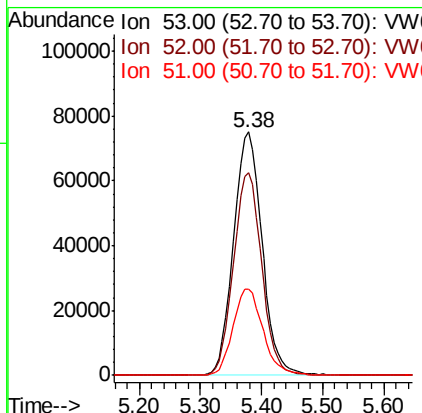
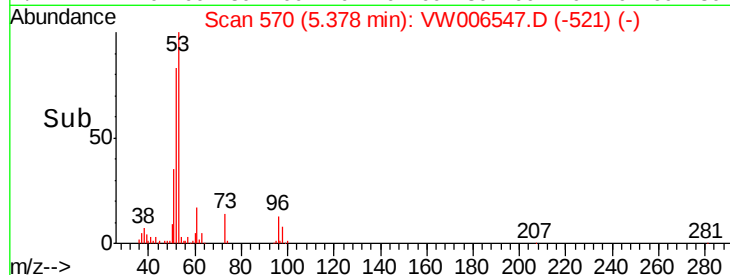
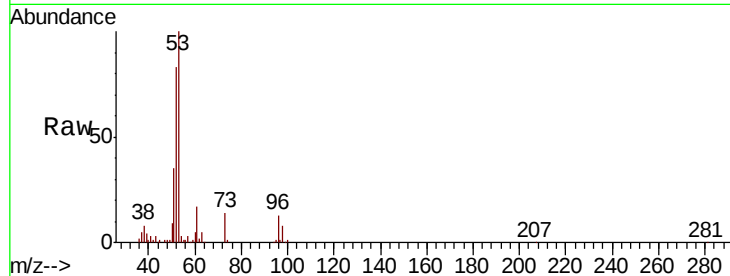
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	241705
Ion Ratio		Lower	Upper
53	100		
52	82.1	65.8	98.8
51	37.4	29.6	44.4

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#16

Acetone

Concen: 390.725 ug/l

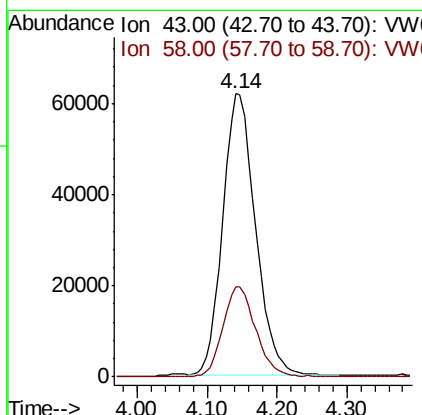
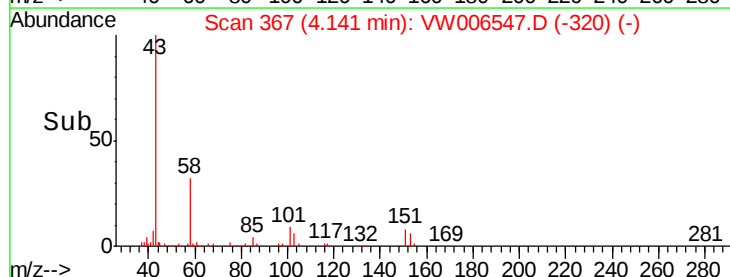
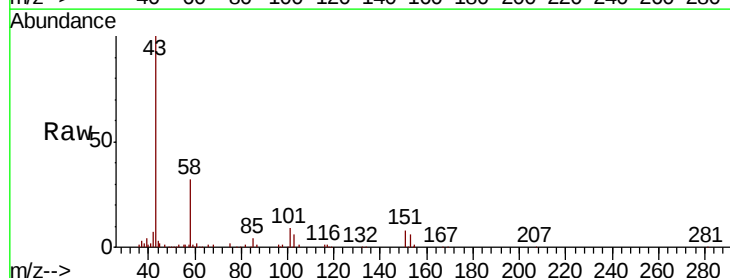
RT: 4.14 min Scan# 367

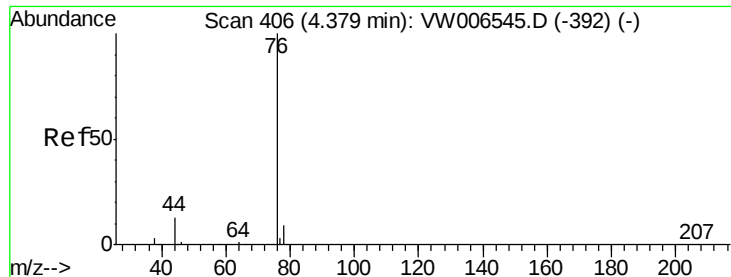
Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	43	Resp:	201197
Ion Ratio		Lower	Upper
43	100		
58	31.9	25.8	38.8





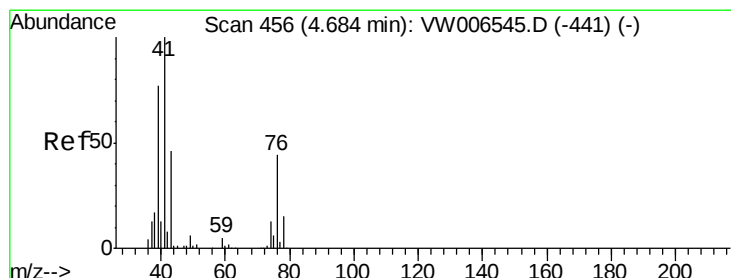
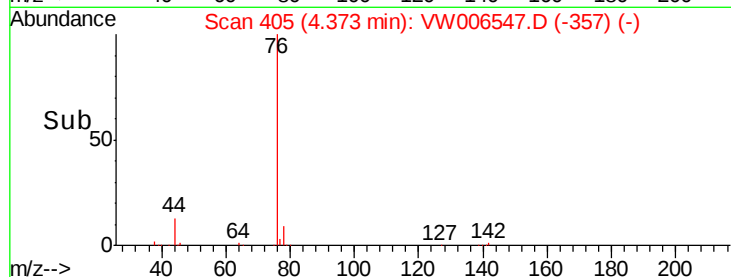
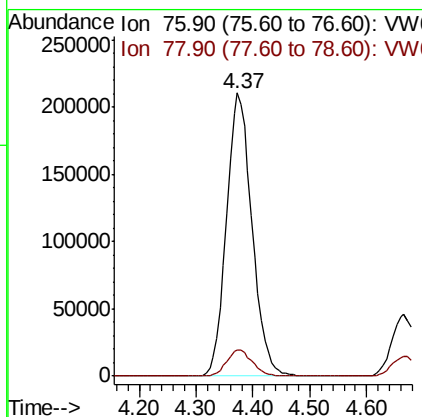
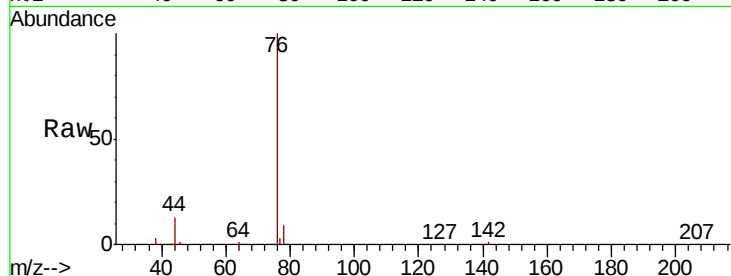
#17
Carbon Disulfide
Concen: 90.724 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

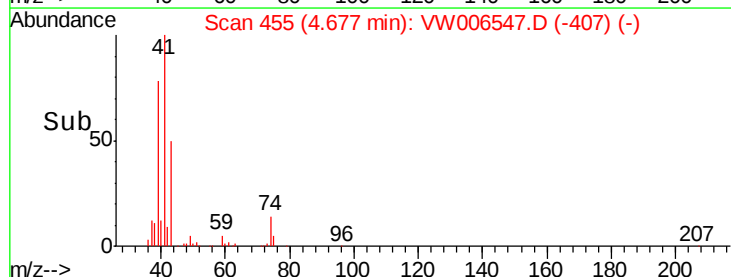
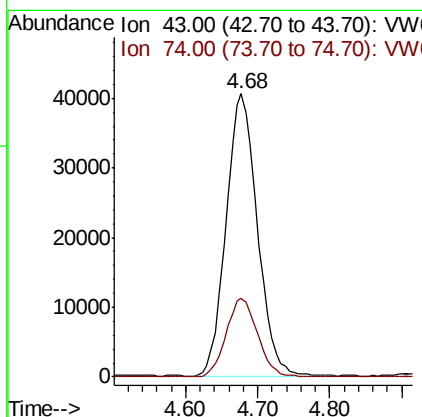
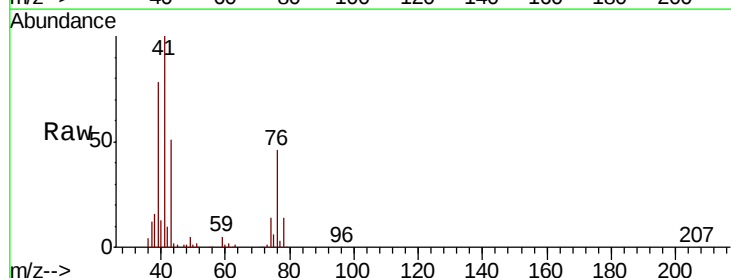
Manual Integrations
APPROVED

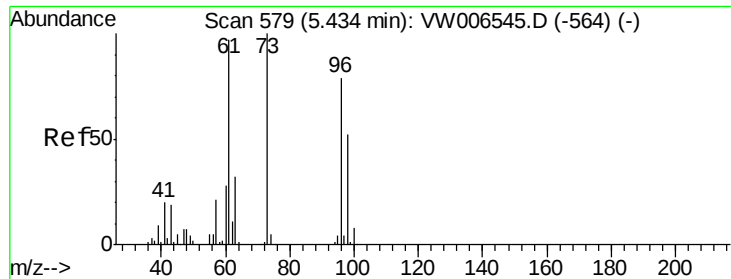
apatel
11/2/2018 3:20:12 PM



#18
Methyl Acetate
Concen: 101.584 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.9	21.9	32.9





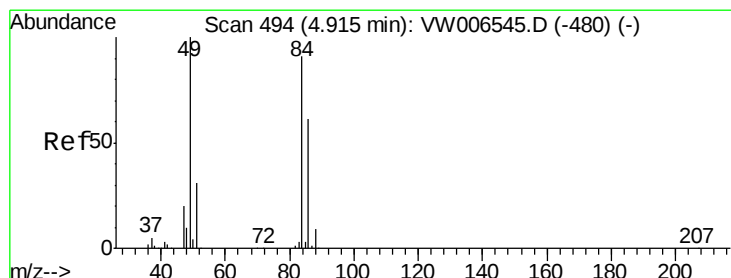
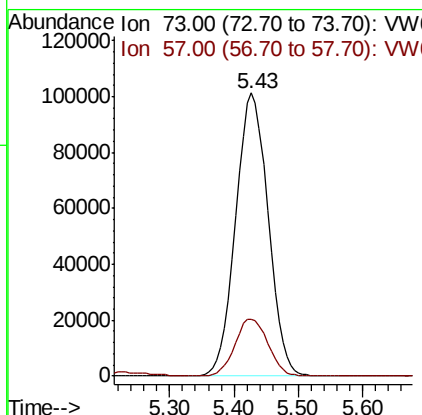
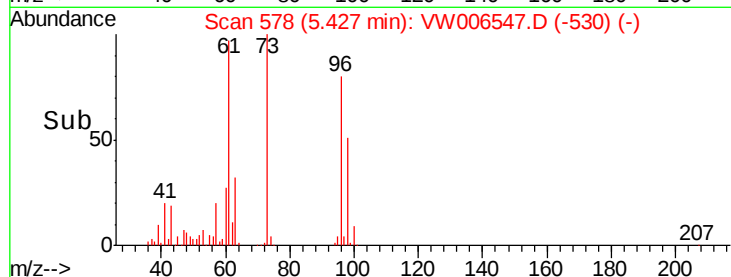
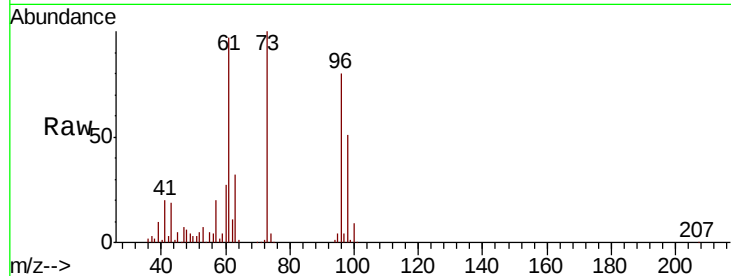
#19
Methyl tert-butyl Ether
Concen: 95.882 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 353650
Ion Ratio Lower Upper
73 100
57 20.3 16.7 25.1

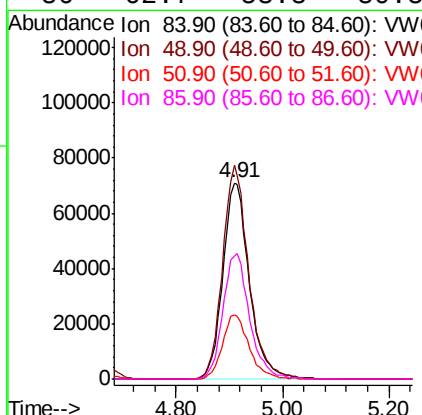
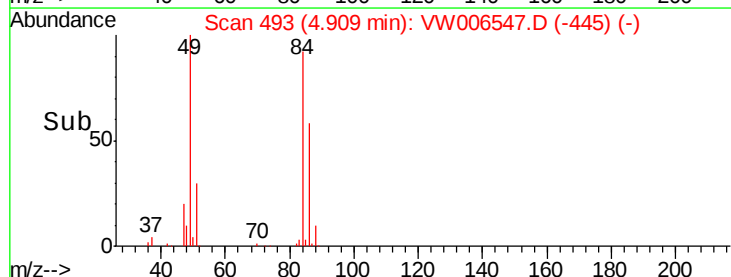
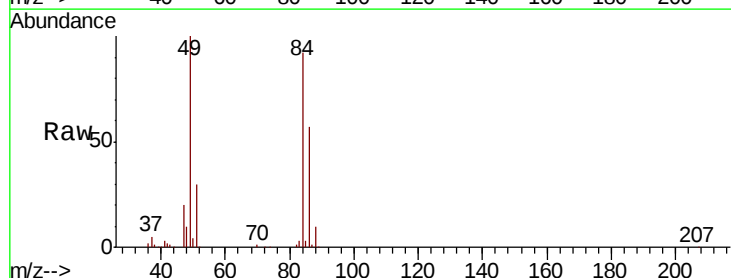
Manual Integrations
APPROVED

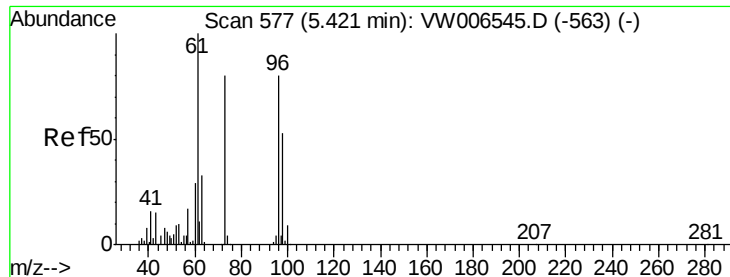
apatel
11/2/2018 3:20:12 PM



#20
Methylene Chloride
Concen: 86.015 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion: 84 Resp: 246126
Ion Ratio Lower Upper
84 100
49 109.0 88.2 132.4
51 32.7 27.0 40.6
86 62.7 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 95.417 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

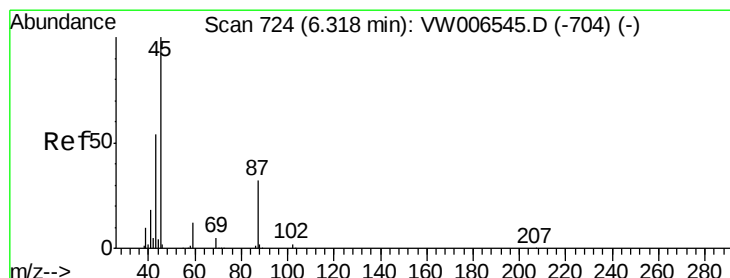
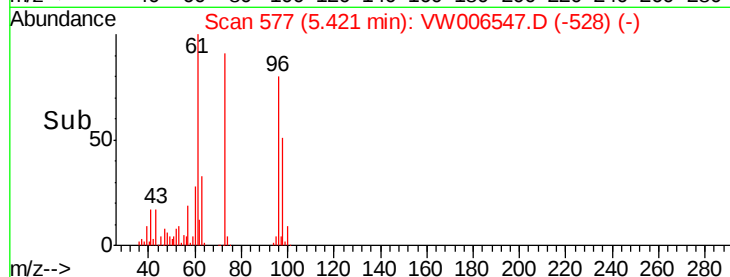
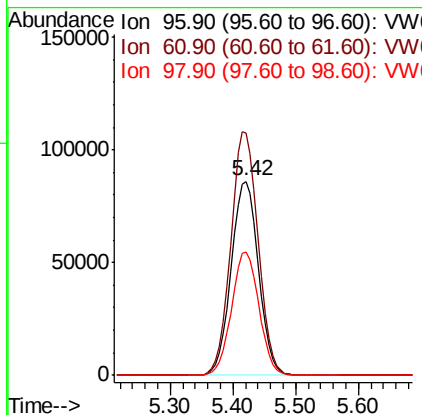
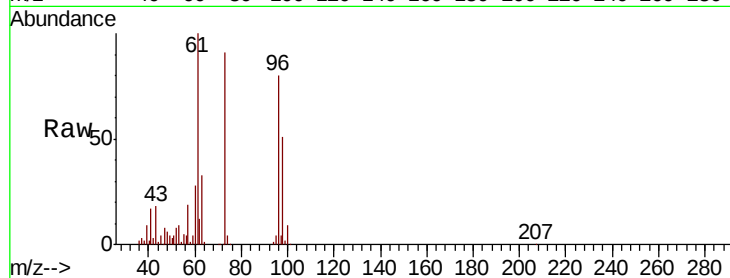
ClientSampled :

VSTDICC100

Tot Ion:	96	Resp:	259312
Ion Ratio	Lower	Upper	
96	100		
61	124.9	100.6	150.8
98	63.7	52.9	79.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#22

Diisopropyl ether

Concen: 93.167 ug/l

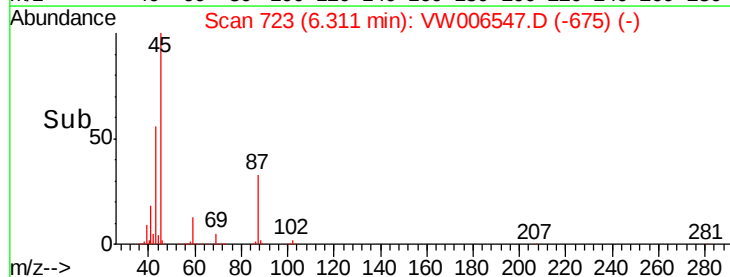
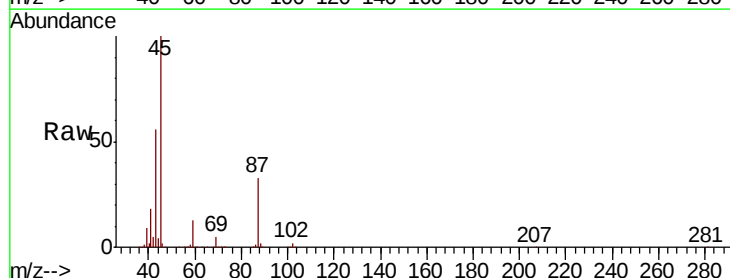
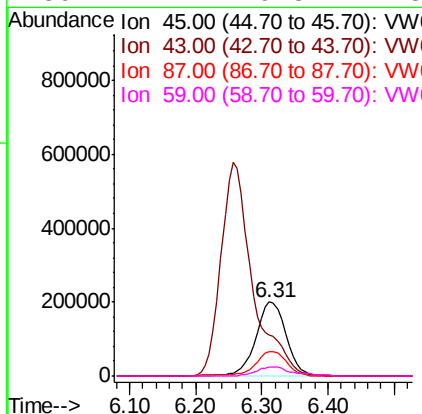
RT: 6.31 min Scan# 723

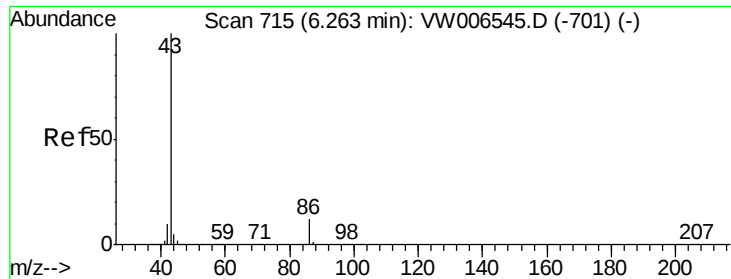
Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	45	Resp:	637349
Ion Ratio	Lower	Upper	
45	100		
43	55.6	43.6	65.4
87	32.8	26.3	39.5
59	12.4	9.8	14.8





#23

Vinyl Acetate

Concen: 477.590 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1915780

Ion Ratio Lower Upper

43 100

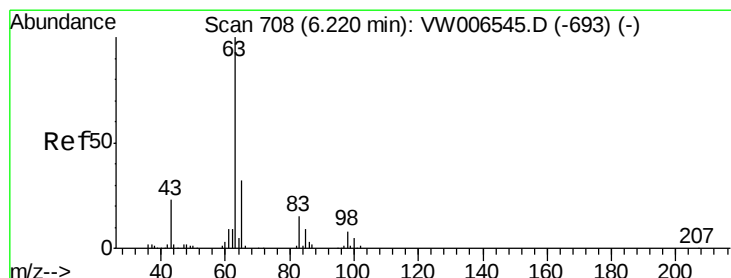
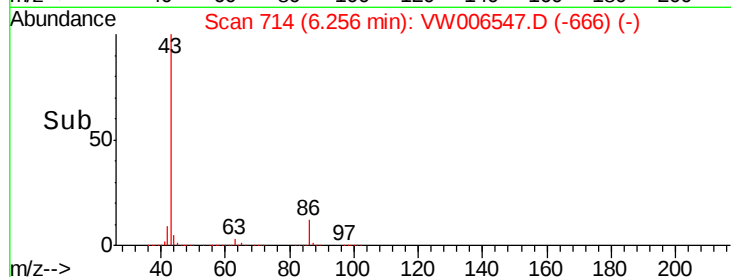
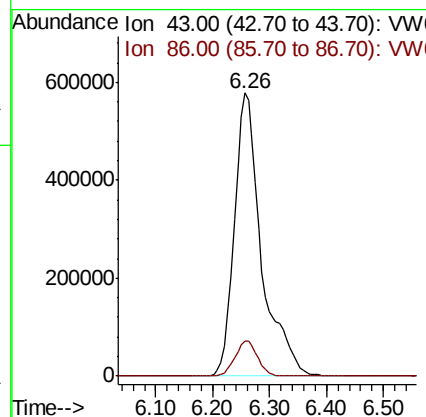
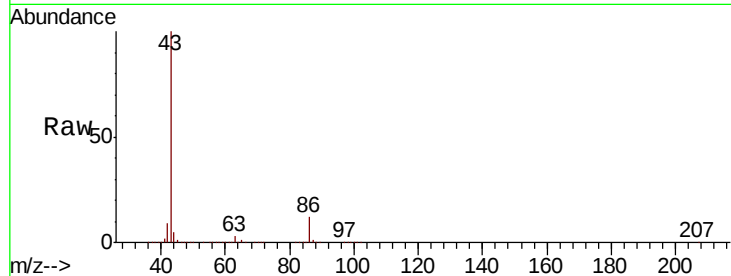
86 12.3 9.8 14.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#24

1,1-Dichloroethane

Concen: 94.533 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

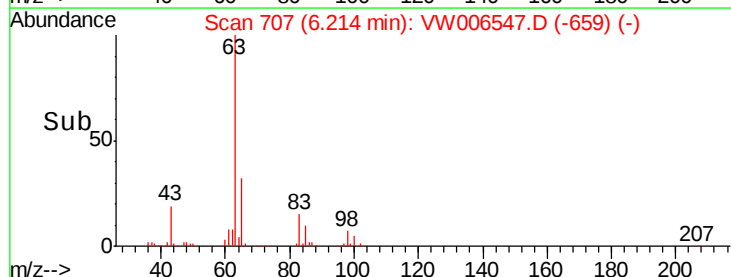
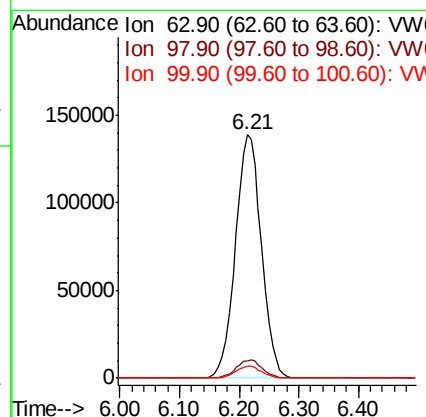
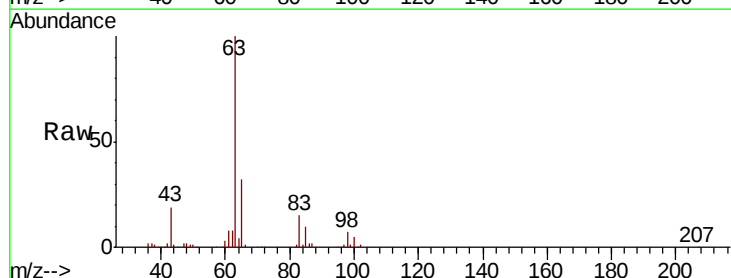
Tgt Ion: 63 Resp: 419156

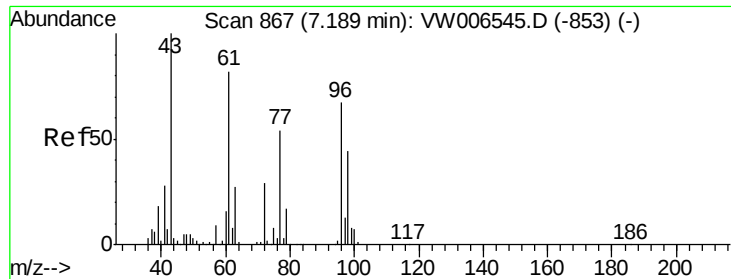
Ion Ratio Lower Upper

63 100

98 7.1 3.8 11.4

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 476.902 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 308318

Ion Ratio Lower Upper

43 100

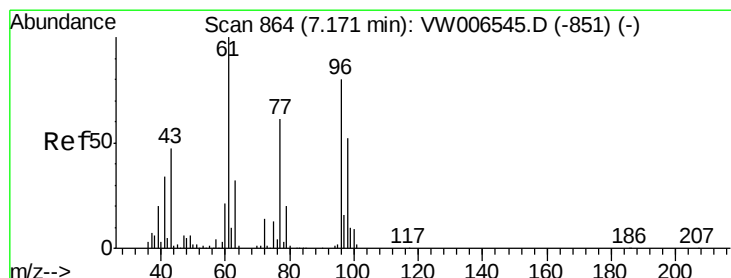
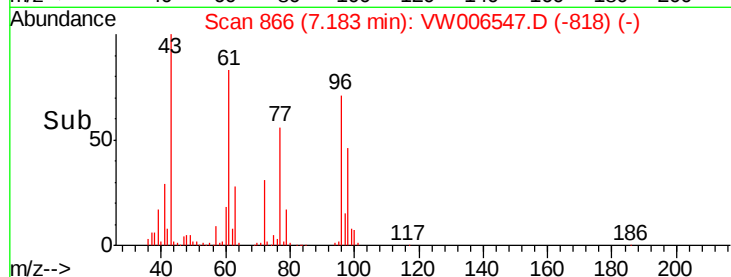
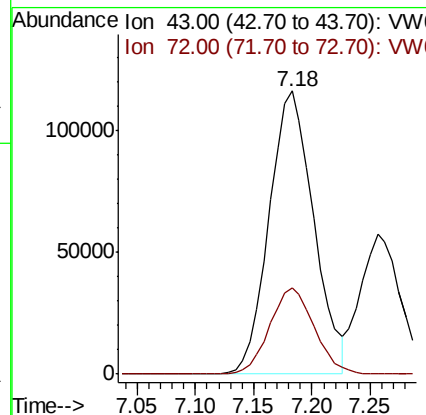
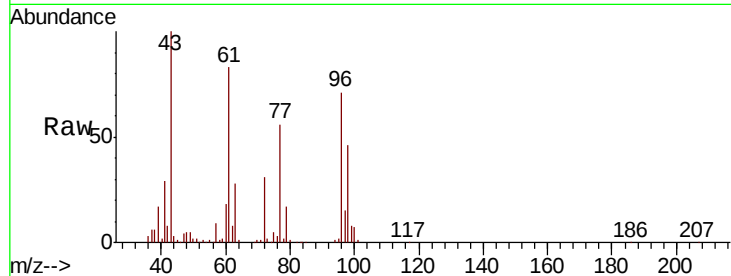
72 30.6 23.2 34.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#26

2,2-Dichloropropane

Concen: 81.414 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006547.D

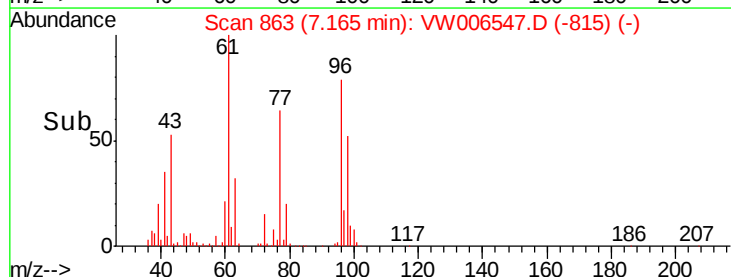
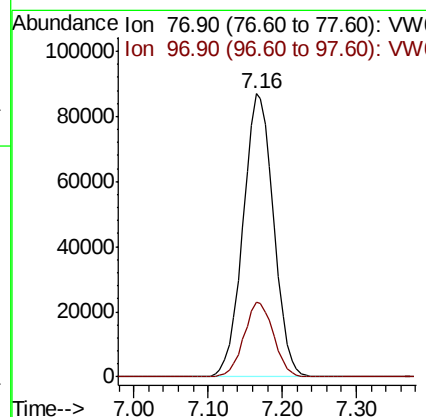
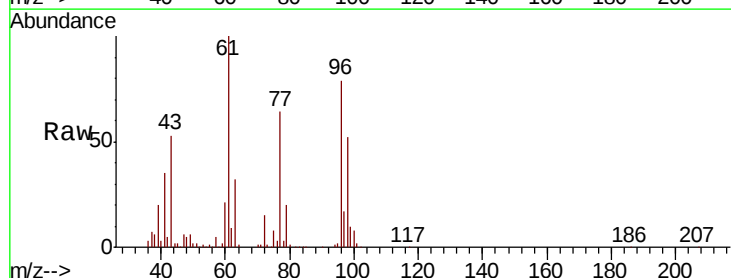
Acq: 01 Nov 2018 01:39

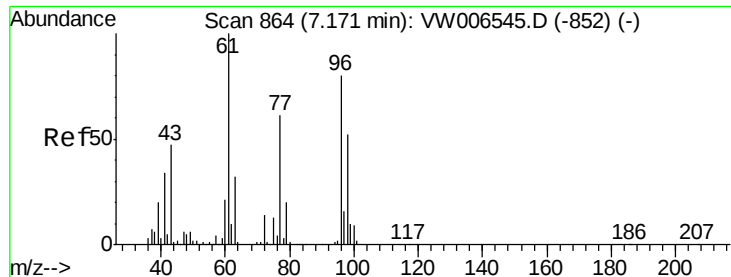
Tgt Ion: 77 Resp: 249775

Ion Ratio Lower Upper

77 100

97 25.7 12.8 38.4





#27

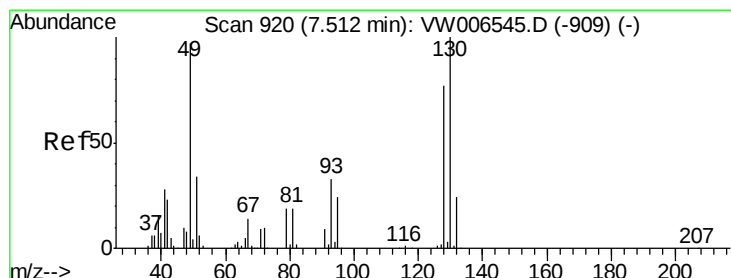
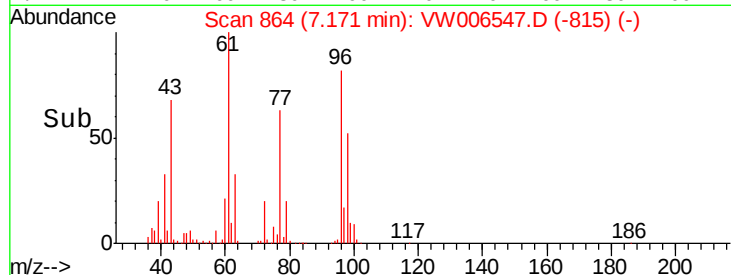
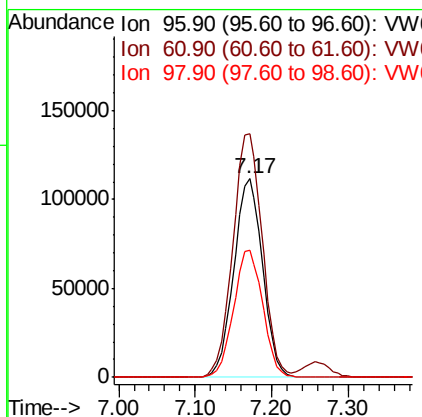
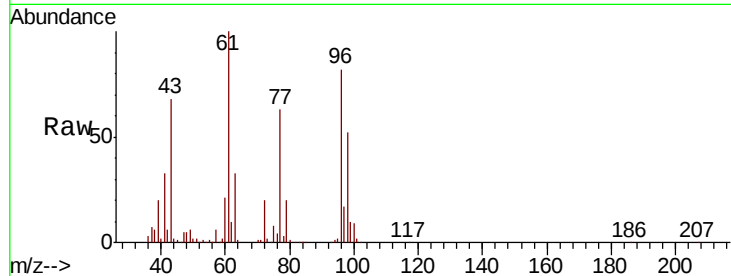
cis-1,2-Dichloroethene
 Concen: 96.607 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.6	0.0	254.2
98	64.7	0.0	129.6

Manual Integrations
 APPROVED

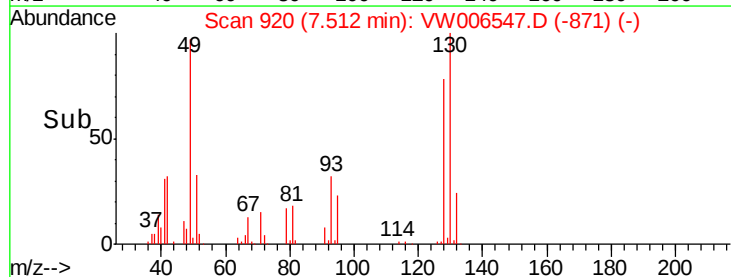
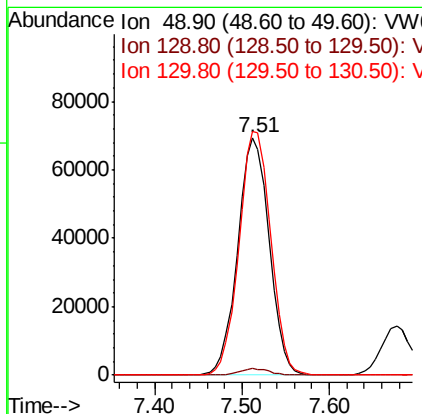
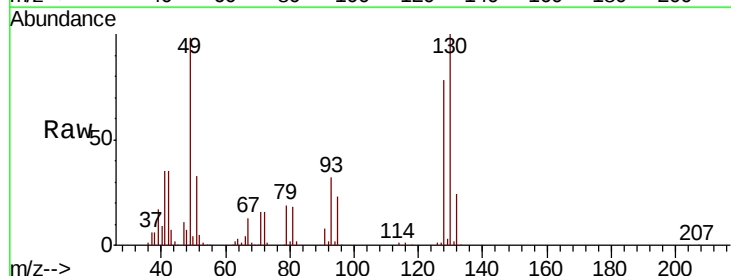
apatel
 11/2/2018 3:20:12 PM

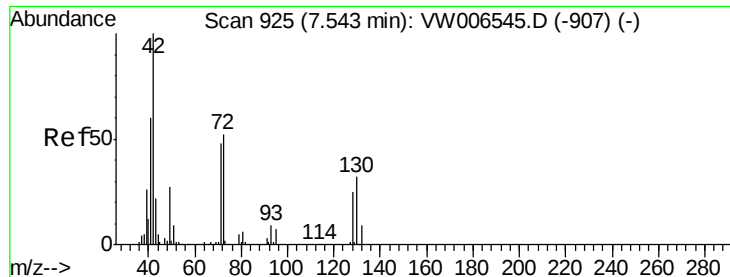


#28

Bromochloromethane
 Concen: 101.883 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	103.2	82.2	123.2





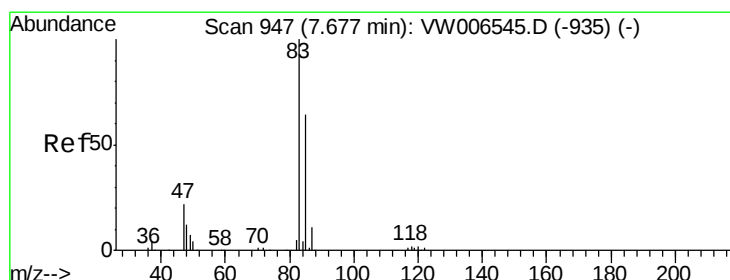
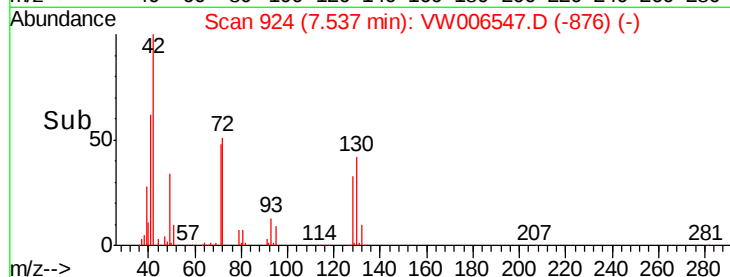
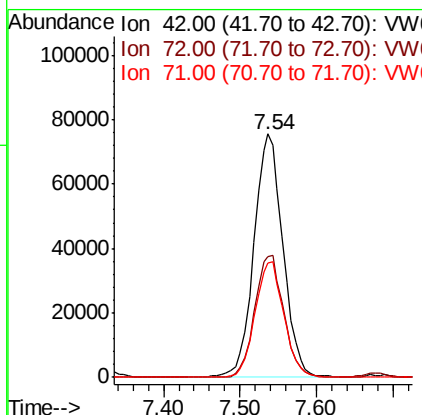
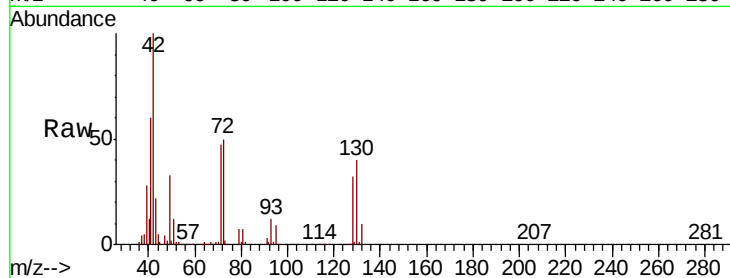
#29
Tetrahydrofuran
Concen: 500.847 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	39.2	58.8
71	47.2	37.6	56.4

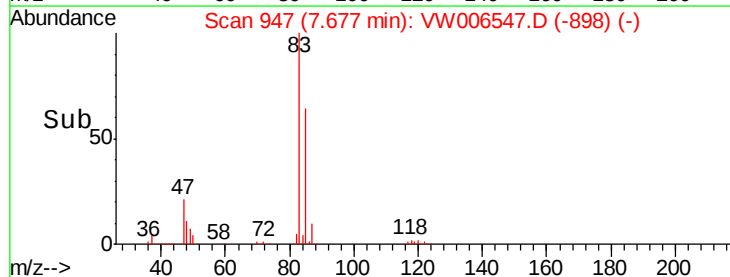
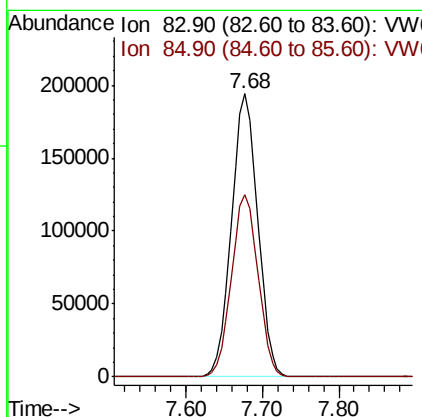
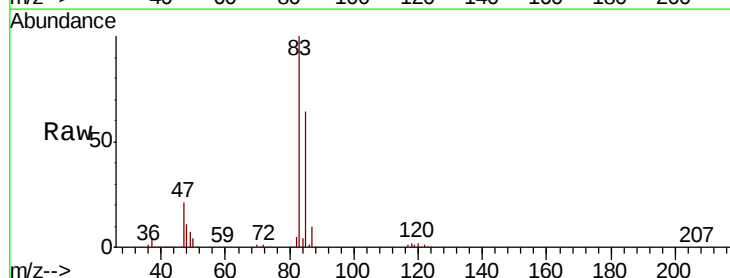
Manual Integrations
APPROVED

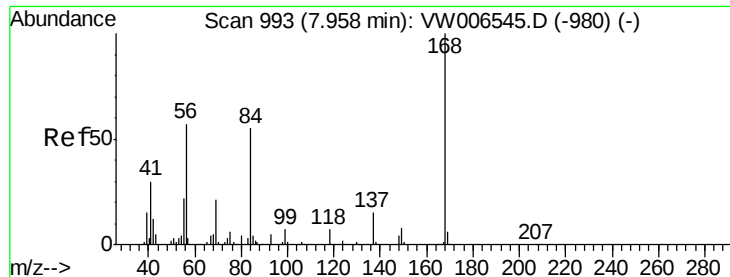
apatel
11/2/2018 3:20:12 PM



#30
Chloroform
Concen: 95.264 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.3	76.9





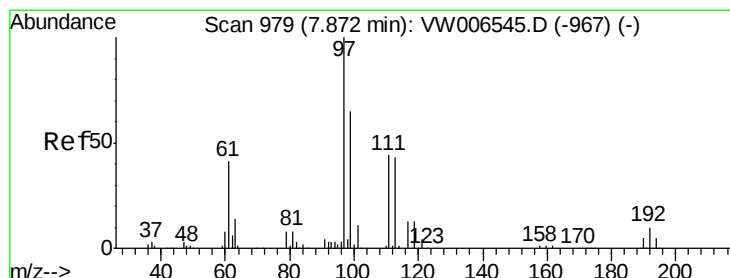
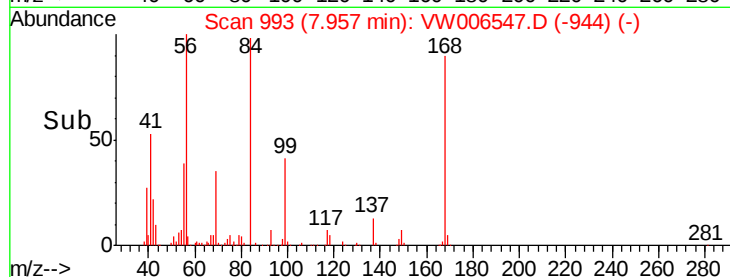
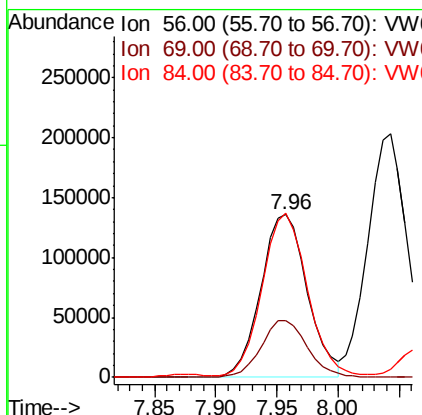
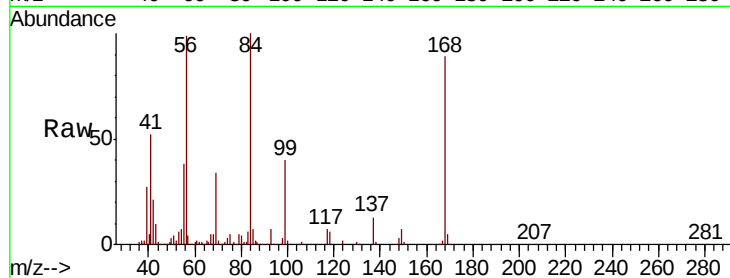
#31
Cyclohexane
Concen: 82.389 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	29.0	43.4
84	99.5	77.8	116.6

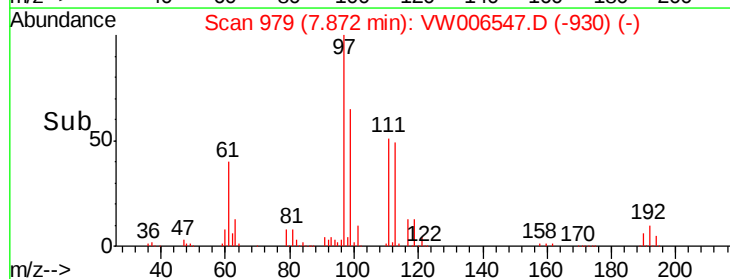
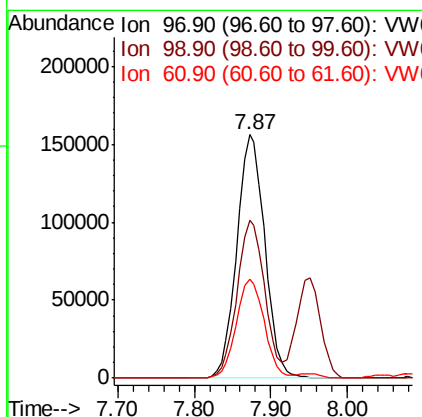
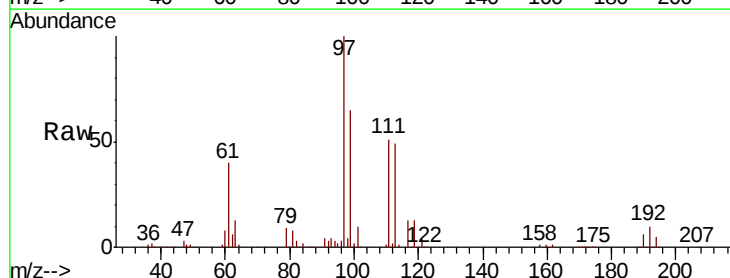
Manual Integrations
APPROVED

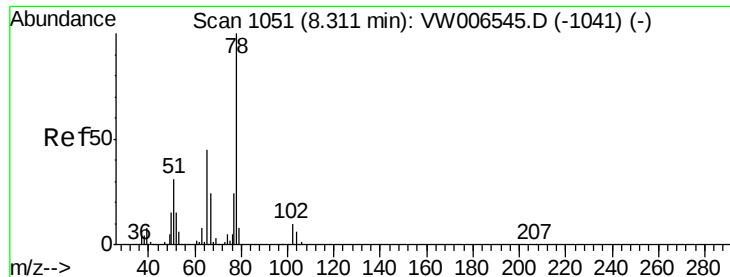
apatel
11/2/2018 3:20:12 PM



#32
1,1,1-Trichloroethane
Concen: 91.454 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.7	77.5
61	40.7	32.9	49.3





#33

1,2-Dichloroethane-d4

Concen: 106.058 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 65 Resp: 259145

Ion Ratio Lower Upper

65 100

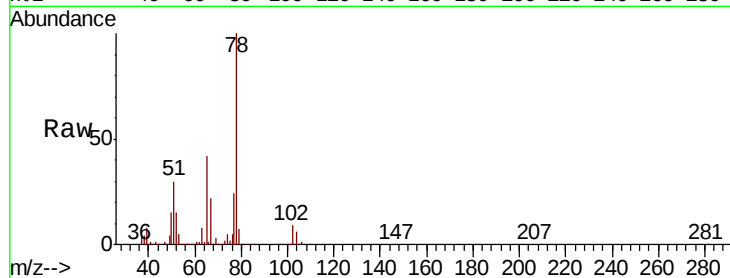
67 52.3 0.0 104.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

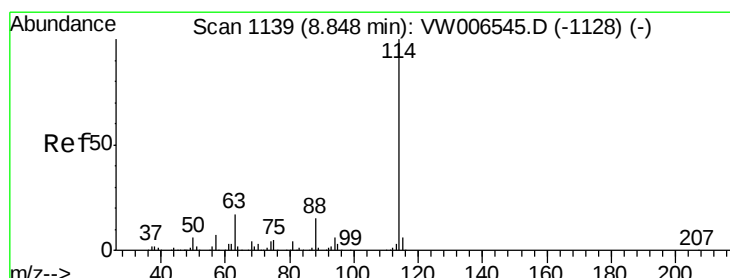
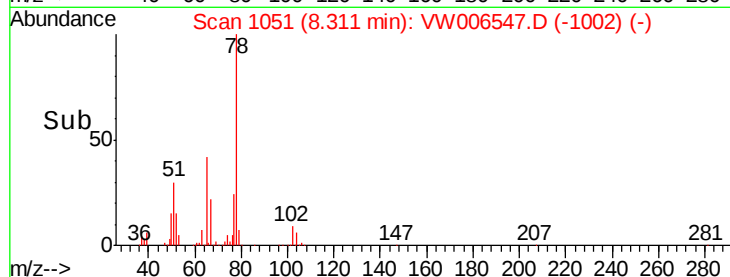
8.31

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

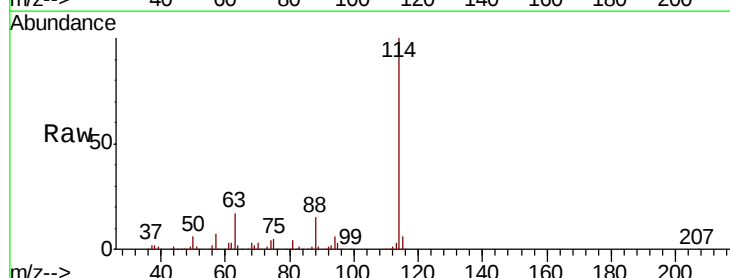
Tgt Ion: 114 Resp: 418717

Ion Ratio Lower Upper

114 100

63 16.8 0.0 34.4

88 14.5 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

300000

250000

200000

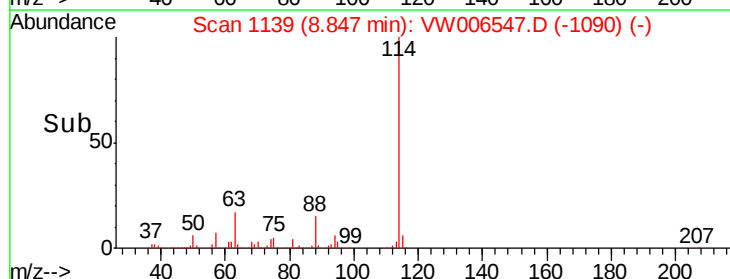
150000

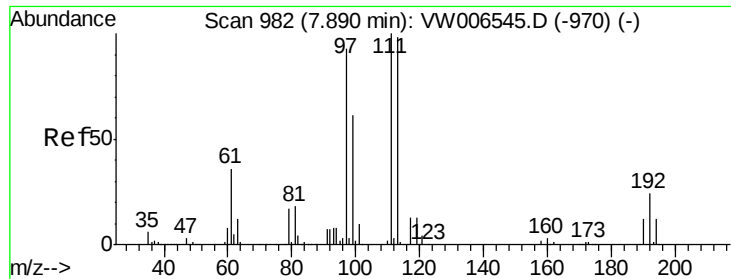
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 108.591 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

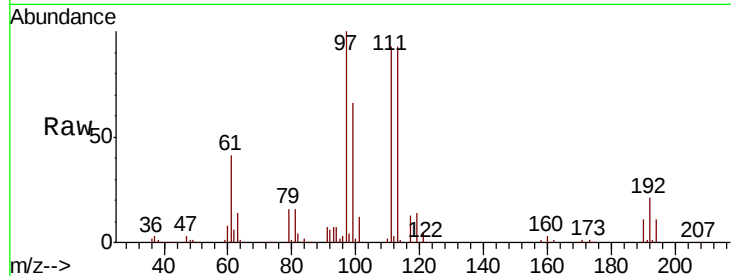
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	271883		
111	102.0	82.2	123.2	
192	23.8	19.0	28.6	

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM

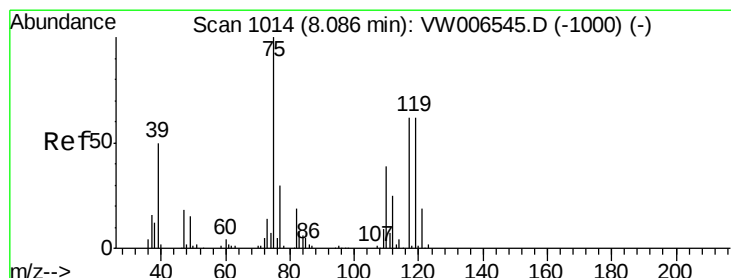
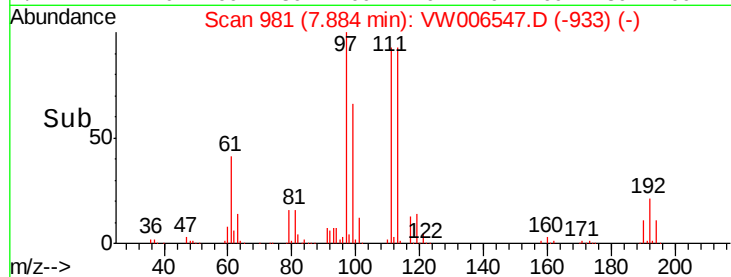
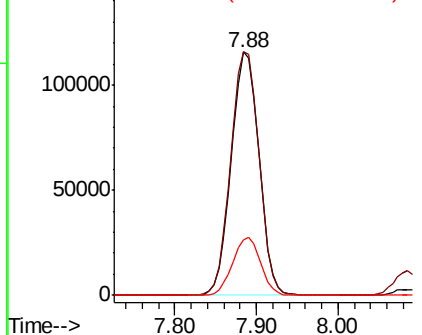


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 91.954 ug/l

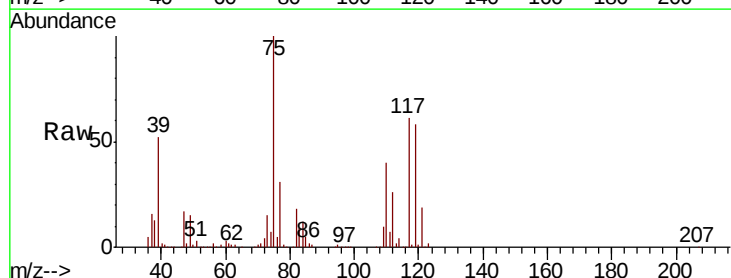
RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	352300		
110	39.3	19.5	58.5	
77	31.2	24.6	37.0	

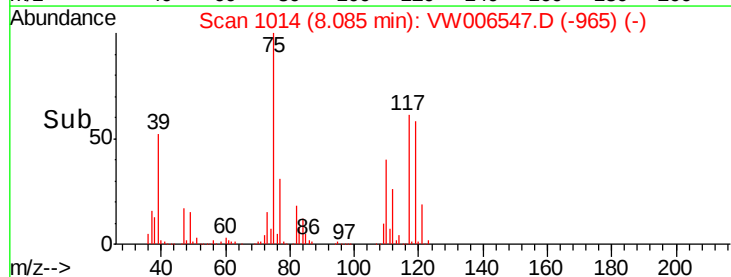
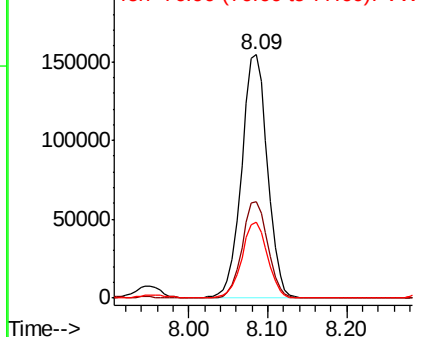


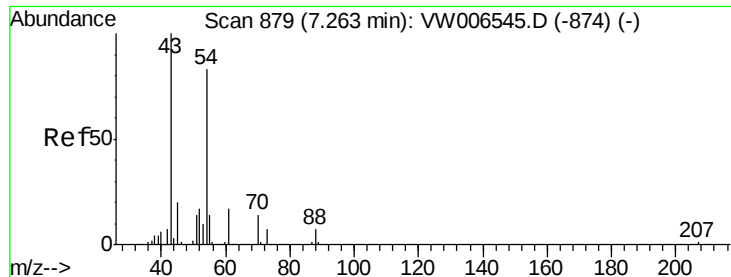
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





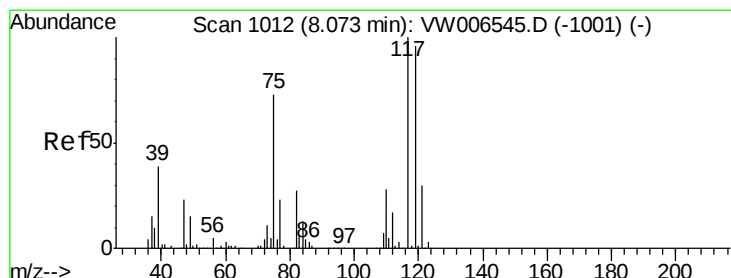
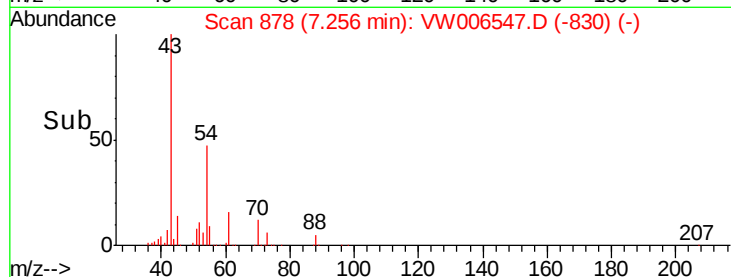
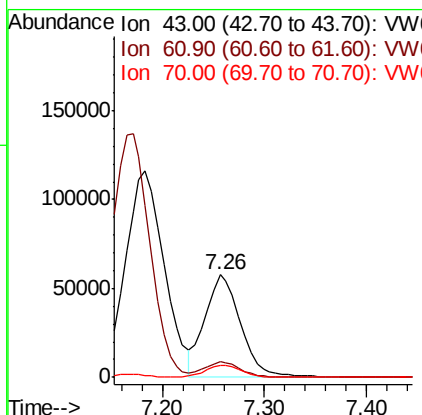
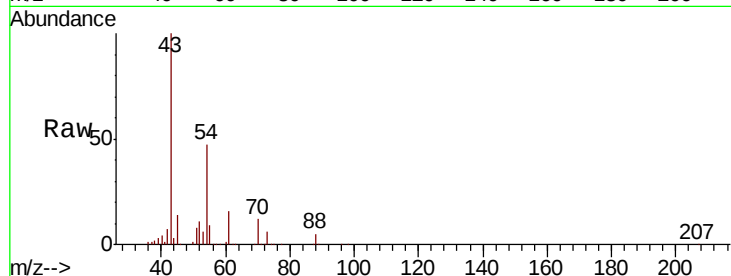
#37
Ethyl Acetate
Concen: 99.619 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.1	18.1
70	12.0	9.8	14.6

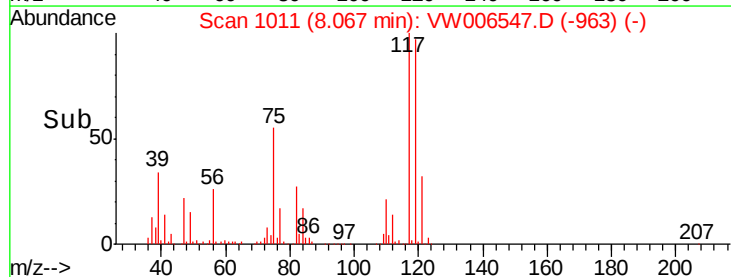
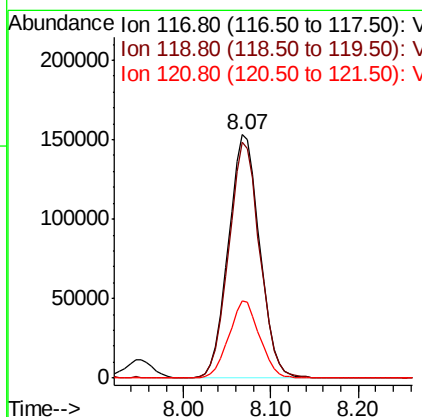
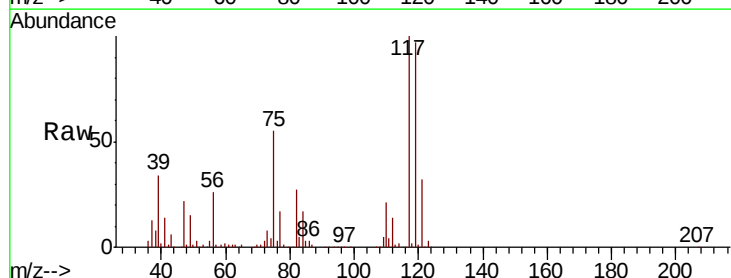
Manual Integrations
APPROVED

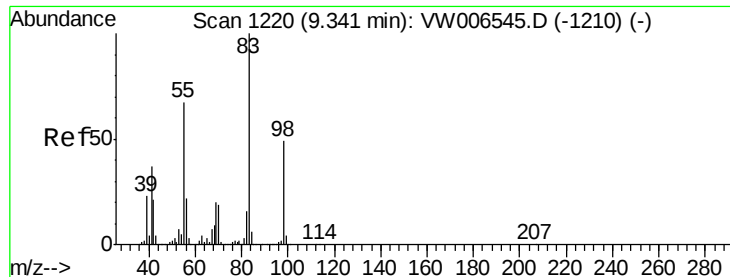
apatel
11/2/2018 3:20:12 PM



#38
Carbon Tetrachloride
Concen: 91.392 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	76.3	114.5
121	31.5	24.1	36.1





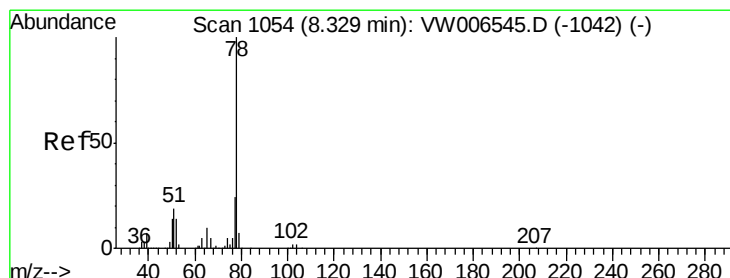
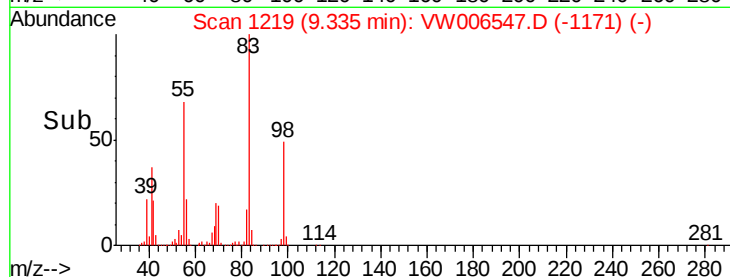
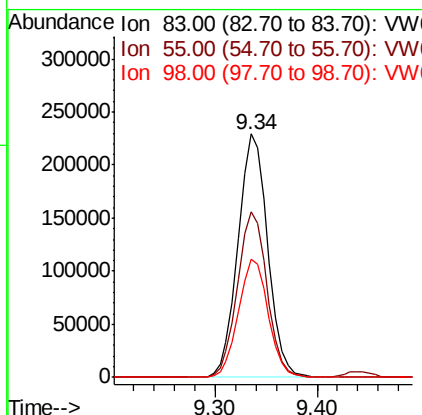
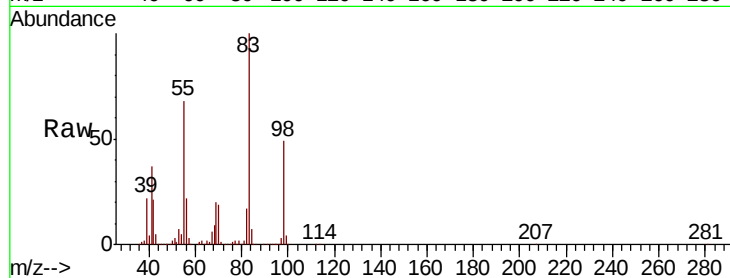
#39
Methvlcvclohexane
Concen: 91.468 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	53.7	80.5
98	48.6	39.2	58.8

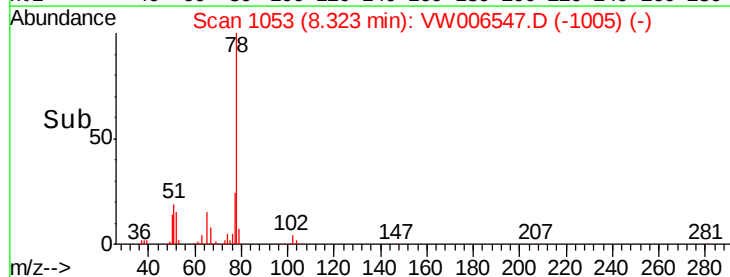
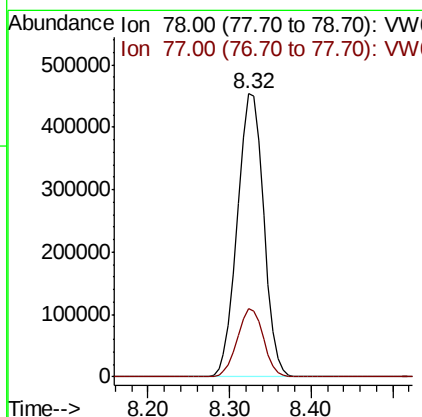
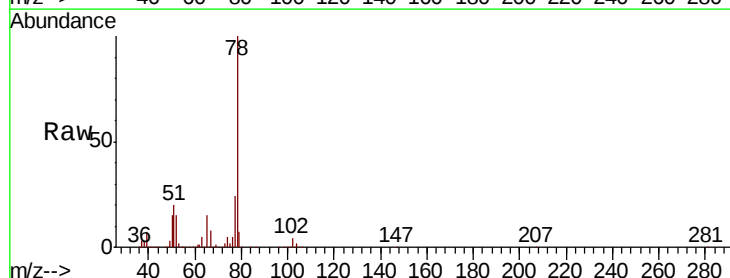
Manual Integrations
APPROVED

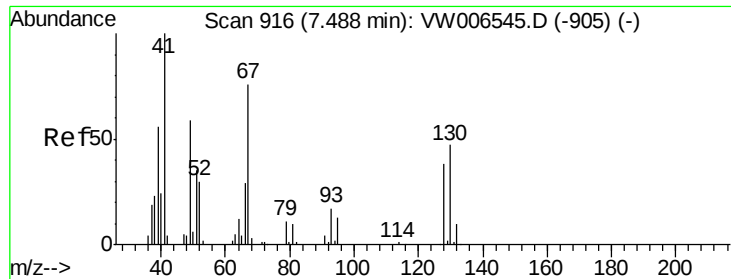
apatel
11/2/2018 3:20:12 PM



#40
Benzene
Concen: 95.841 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





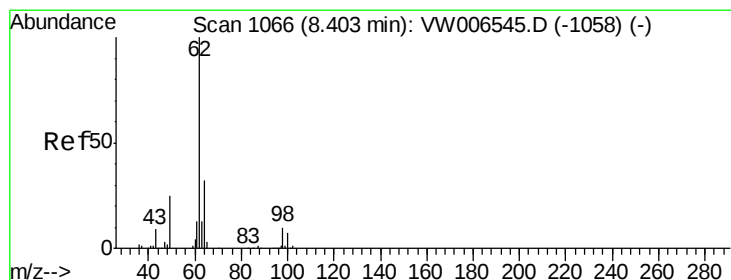
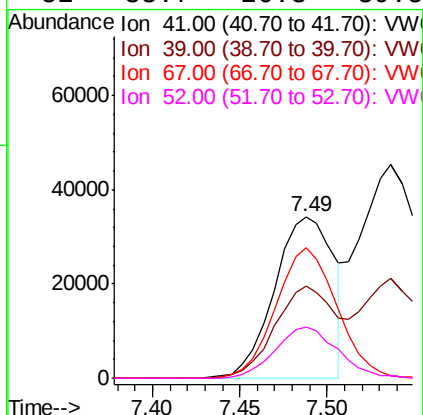
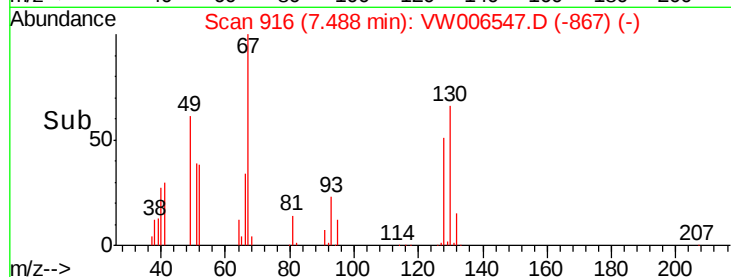
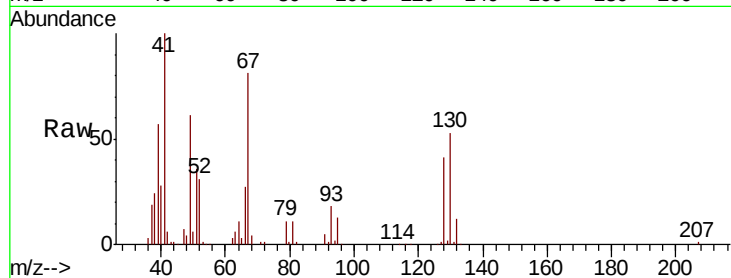
#41
Methacrylonitrile
Concen: 95.293 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:	41	Resp:	80781
Ion	Ratio	Lower	Upper
41	100		
39	61.3	44.5	66.7
67	83.8	63.8	95.8
52	33.7	26.3	39.5

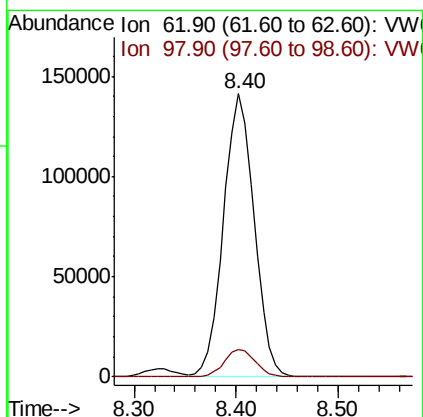
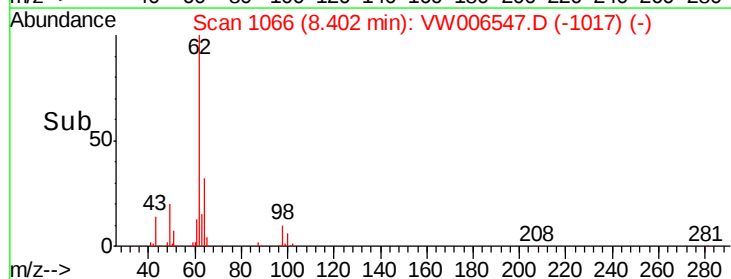
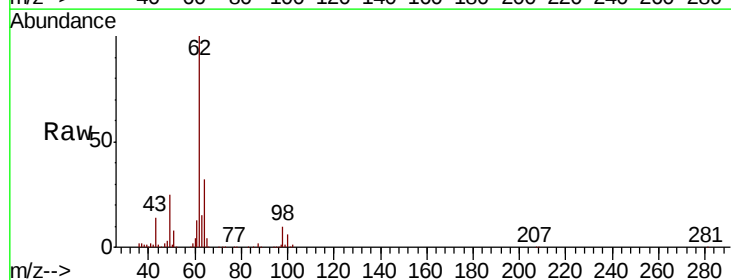
Manual Integrations
APPROVED

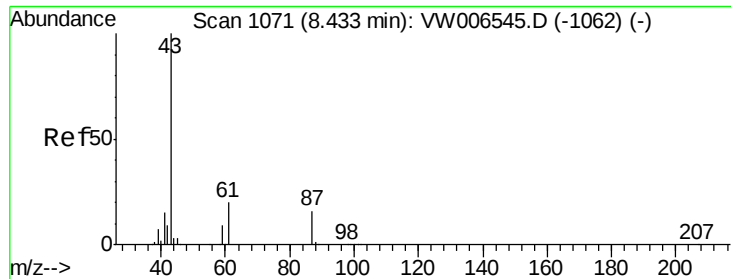
apatel
11/2/2018 3:20:12 PM



#42
1,2-Dichloroethane
Concen: 95.324 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion:	62	Resp:	294735
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.8





#43

Isopropyl Acetate

Concen: 98.579 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

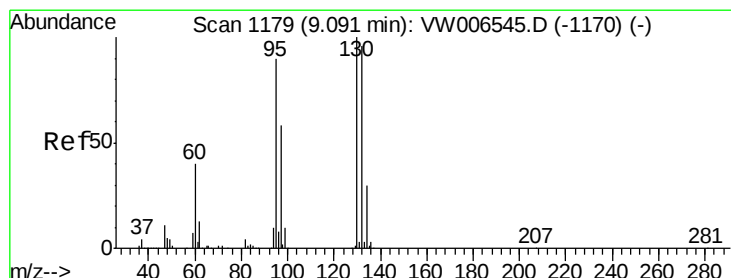
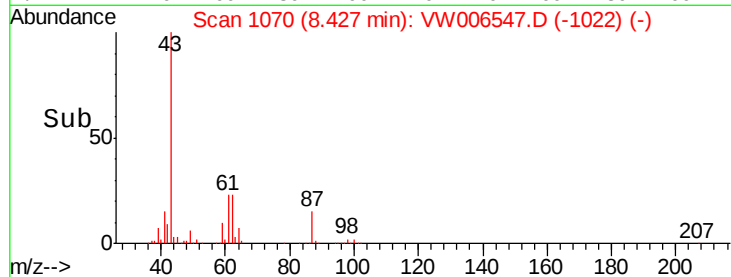
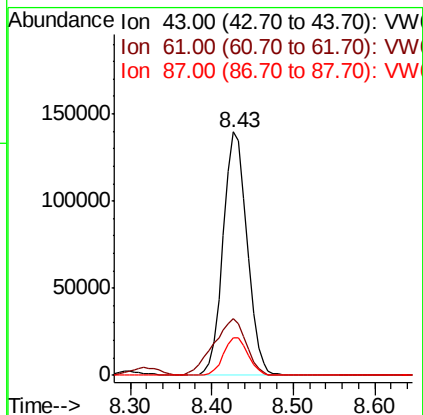
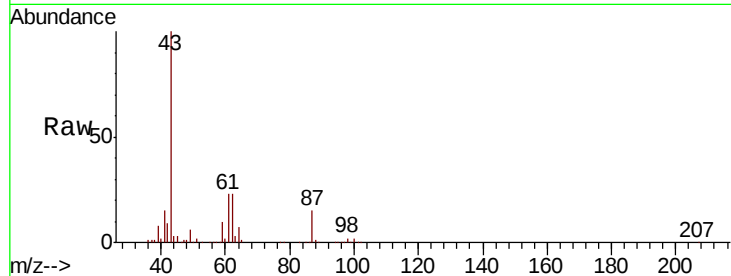
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	283678
Ion Ratio	Lower	Upper	
43	100		
61	31.8	27.2	40.8
87	15.9	12.9	19.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#44

Trichloroethene

Concen: 96.342 ug/l

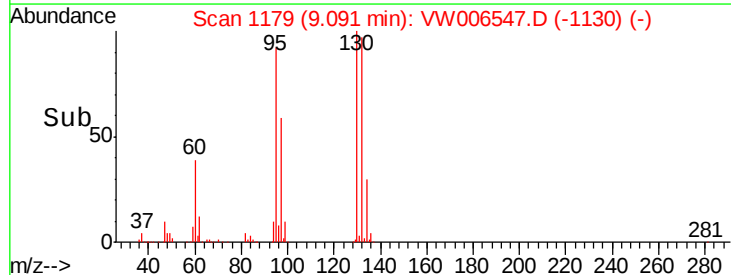
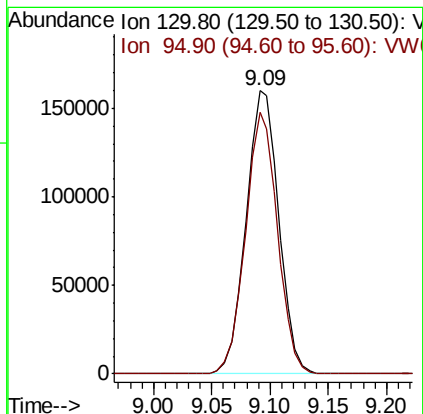
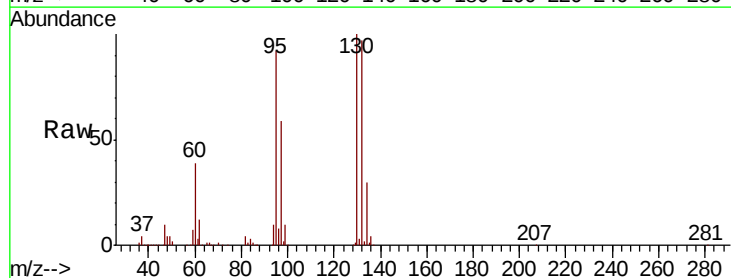
RT: 9.09 min Scan# 1179

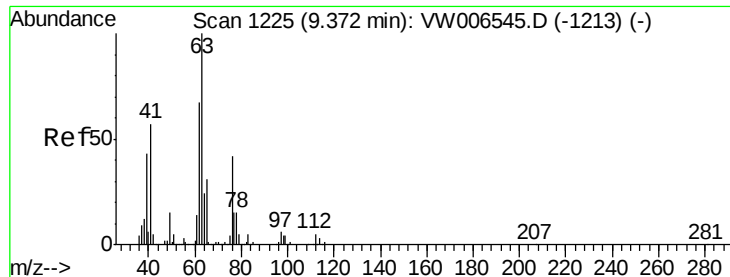
Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	130	Resp:	313253
Ion Ratio	Lower	Upper	
130	100		
95	92.3	0.0	179.2





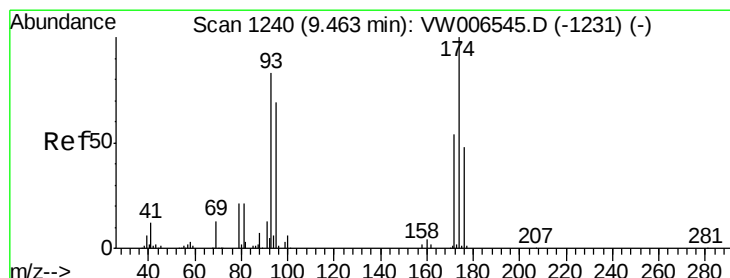
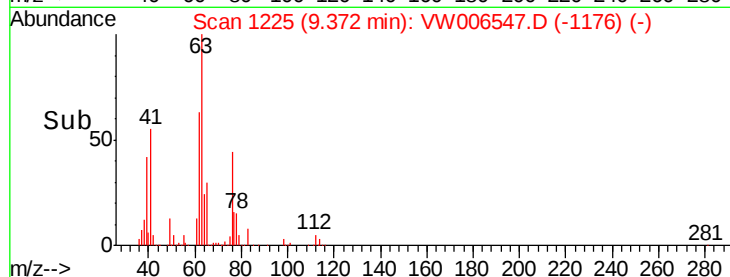
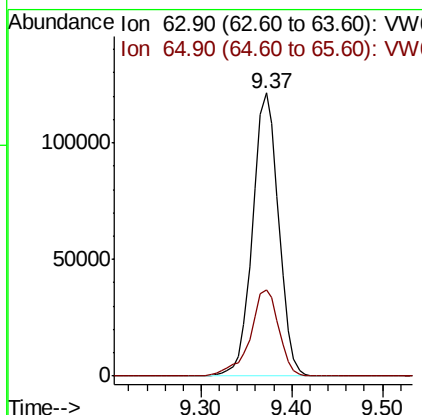
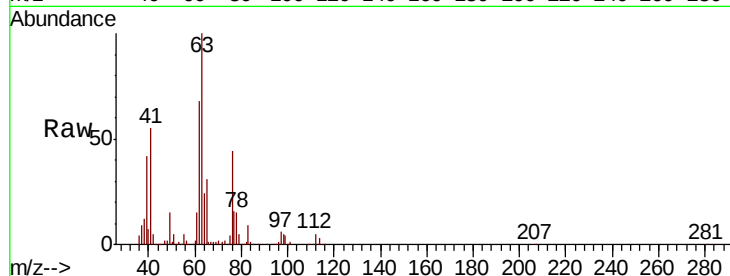
#45
 1,2-Dichloropropane
 Concen: 95.422 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.1	37.7

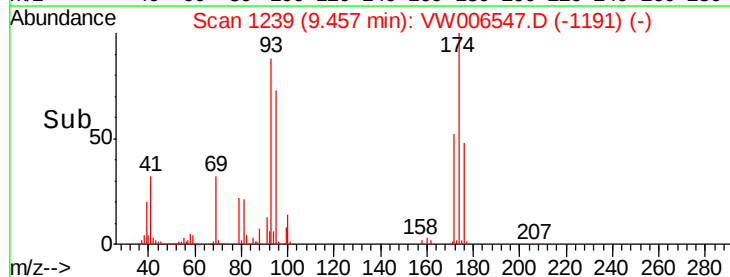
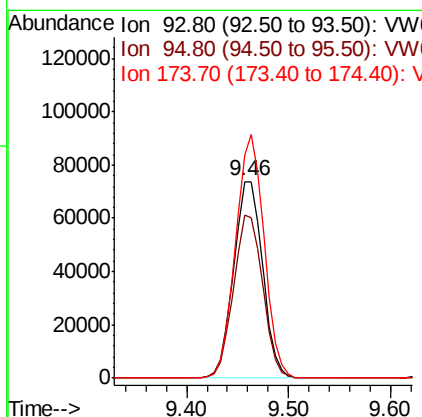
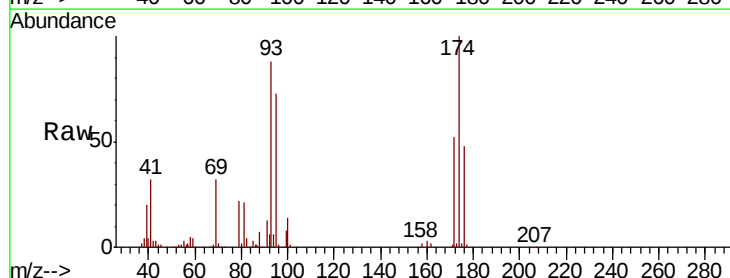
Manual Integrations
 APPROVED

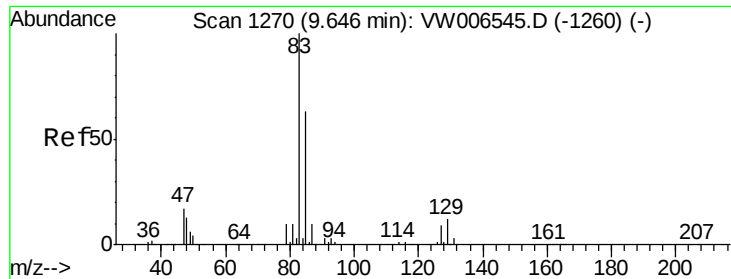
apatel
 11/2/2018 3:20:12 PM



#46
 Dibromomethane
 Concen: 100.588 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	67.2	100.8
174	121.5	97.3	145.9





#47

Bromodichloromethane

Concen: 97.472 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

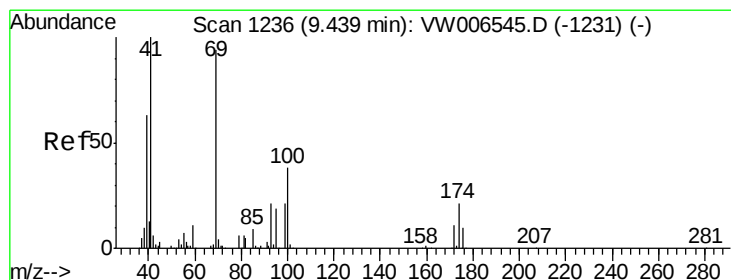
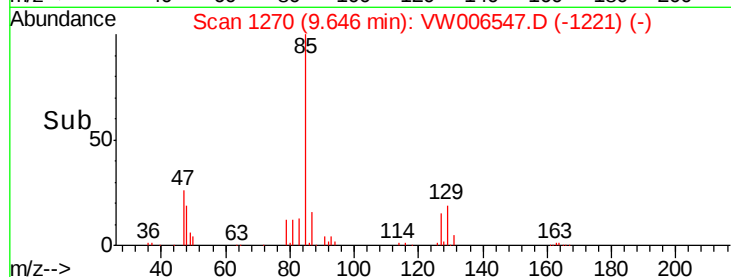
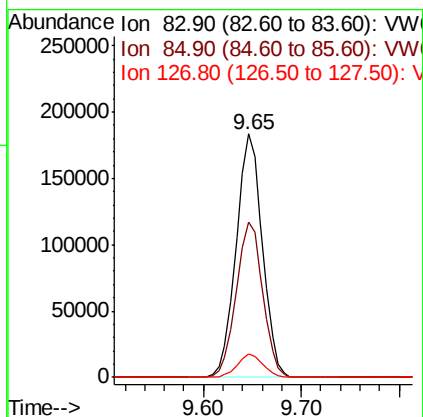
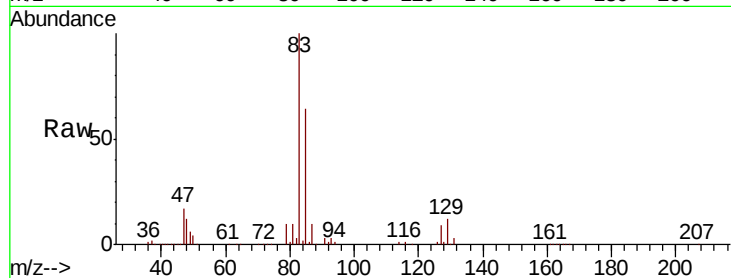
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	339866
Ion Ratio	Lower	Upper	
83	100		
85	63.6	50.6	75.8
127	9.4	7.5	11.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#48

Methyl methacrylate

Concen: 100.903 ug/l

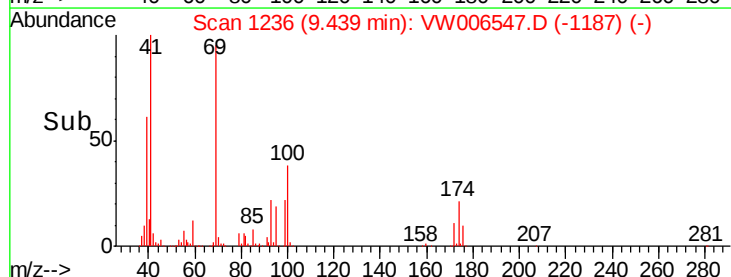
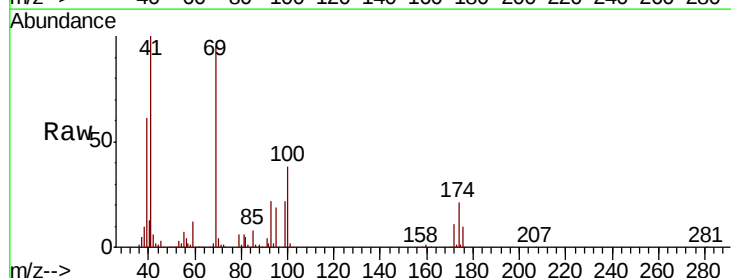
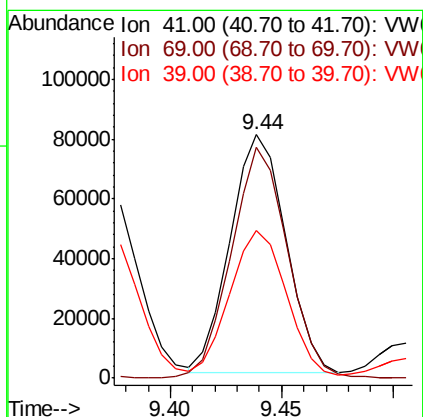
RT: 9.44 min Scan# 1236

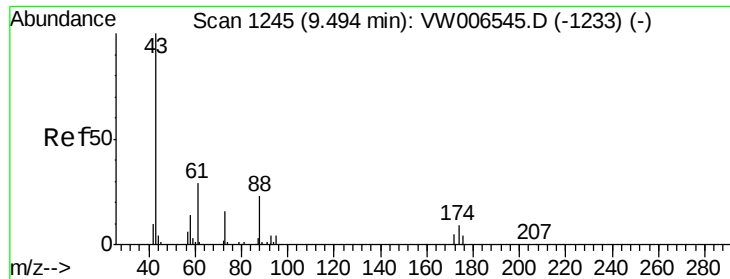
Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	41	Resp:	138023
Ion Ratio	Lower	Upper	
41	100		
69	98.4	77.8	116.8
39	60.9	48.7	73.1





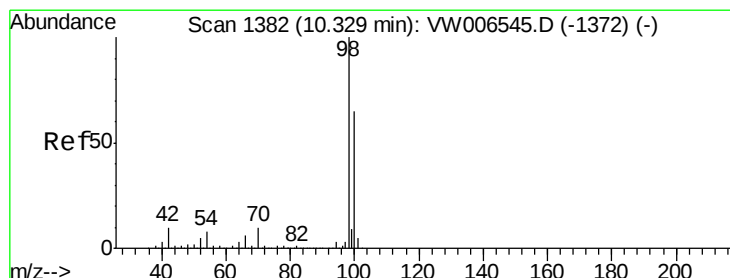
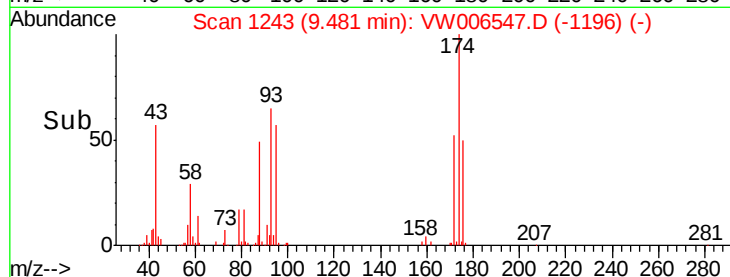
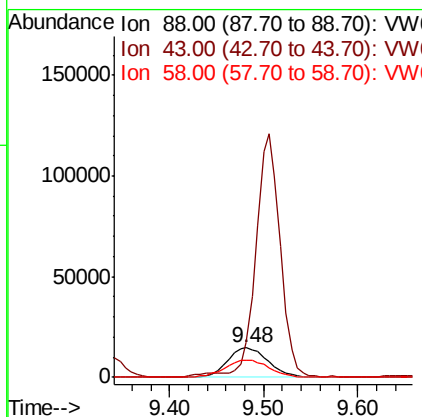
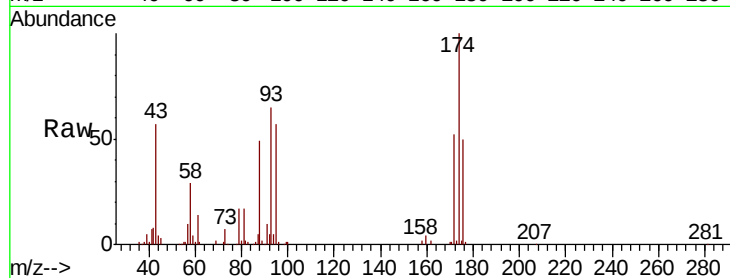
#49
1,4-Dioxane
Concen: 1991.883 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	43953
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	356.6	534.8#
58	64.4	51.4	77.2

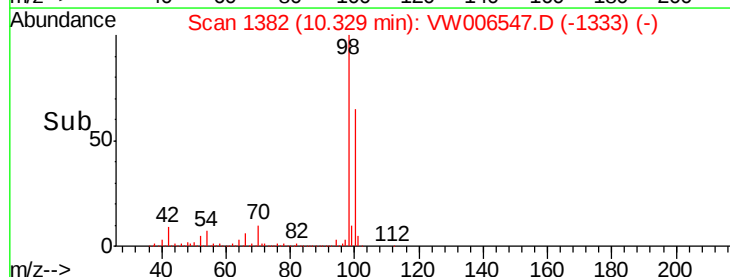
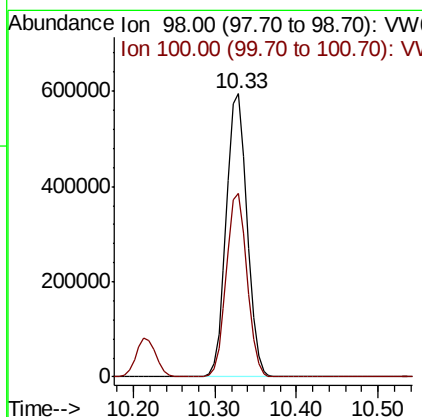
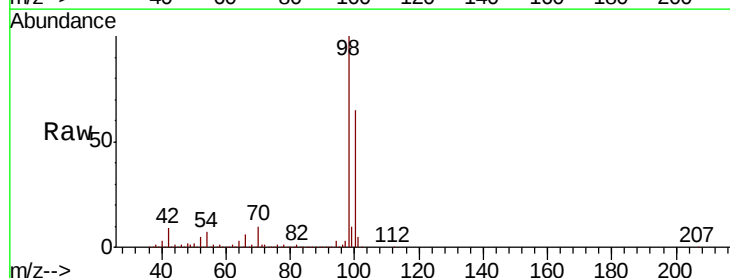
Manual Integrations
APPROVED

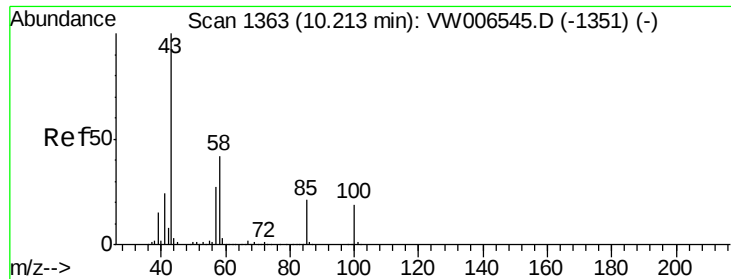
apatel
11/2/2018 3:20:12 PM



#50
Toluene-d8
Concen: 109.120 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	98	Resp	1042250
Ion Ratio	100	Lower	Upper
98	100		
100	64.7	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 506.422 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 733753

Ion Ratio Lower Upper

43 100

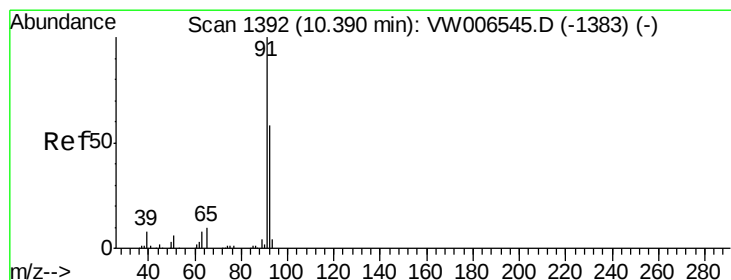
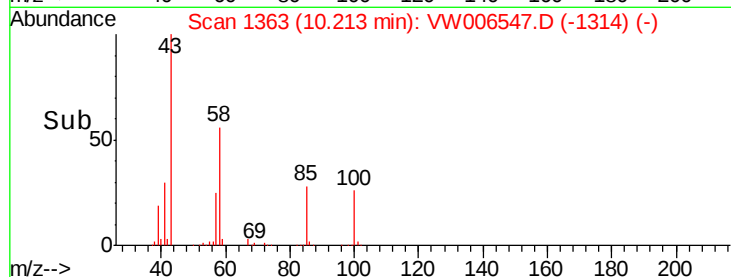
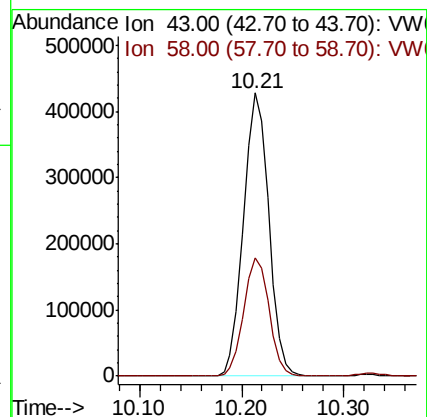
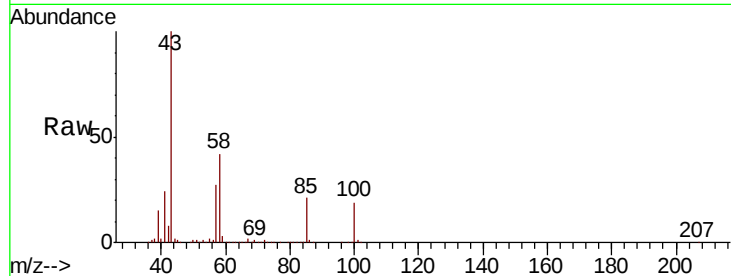
58 42.1 33.4 50.0

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#52

Toluene

Concen: 96.856 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006547.D

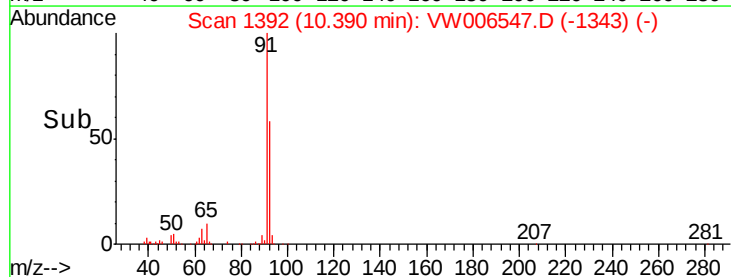
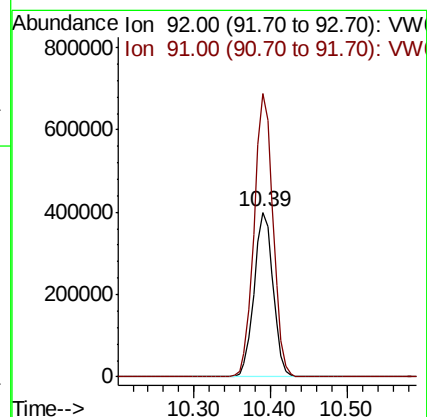
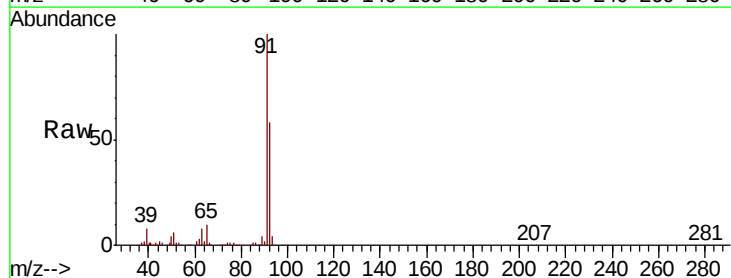
Acq: 01 Nov 2018 01:39

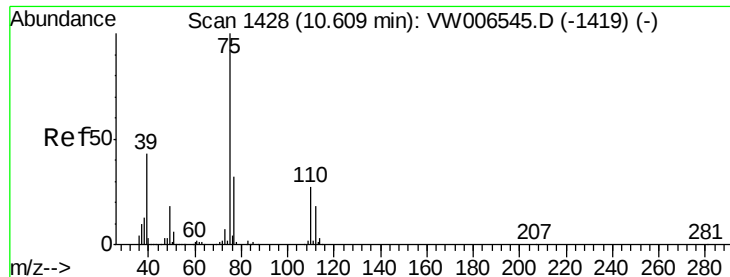
Tgt Ion: 92 Resp: 687653

Ion Ratio Lower Upper

92 100

91 172.0 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 99.734 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 345064

Ion Ratio Lower Upper

75 100

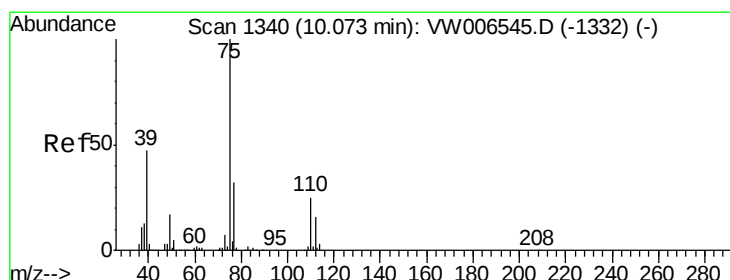
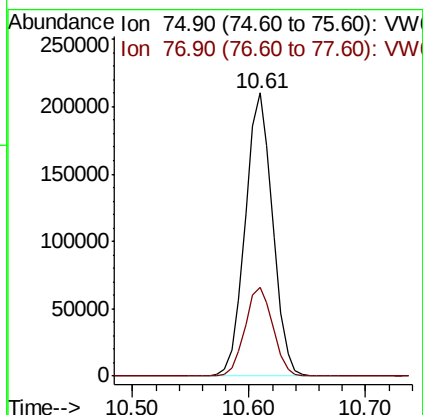
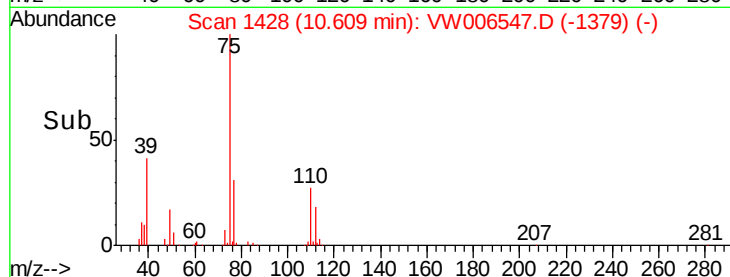
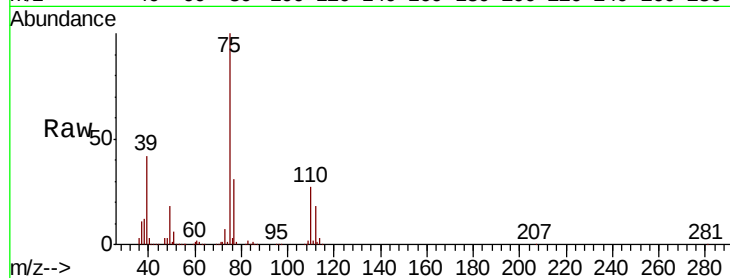
77 31.4 25.6 38.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#54

cis-1,3-Dichloropropene

Concen: 98.510 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

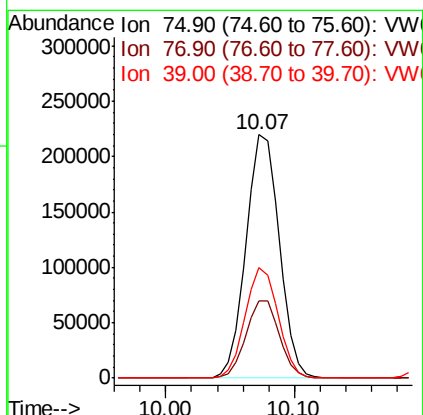
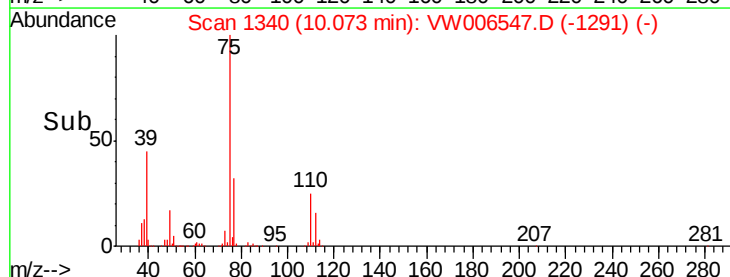
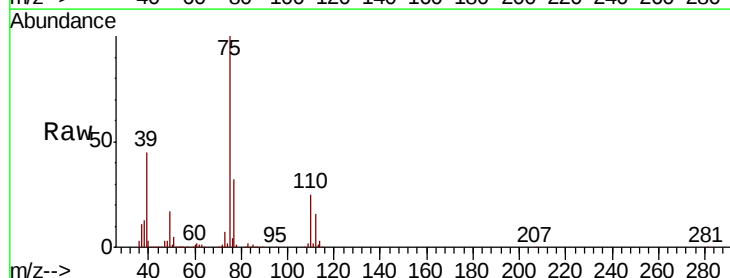
Tgt Ion: 75 Resp: 392081

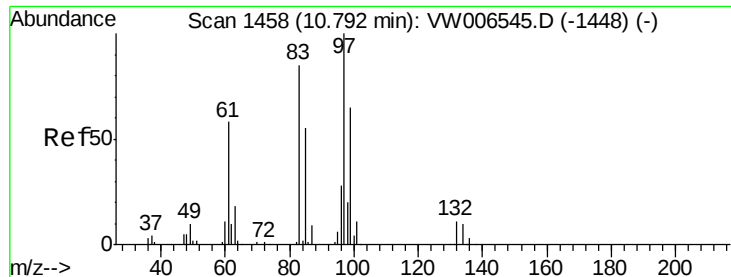
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 45.3 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 102.615 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

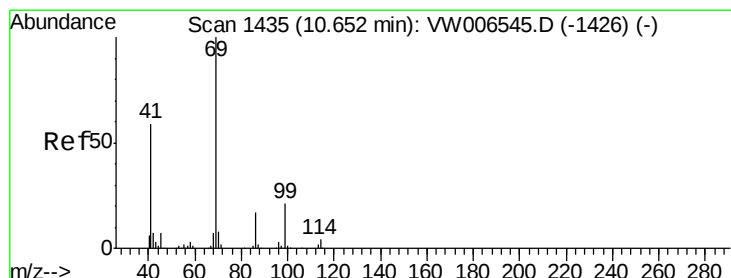
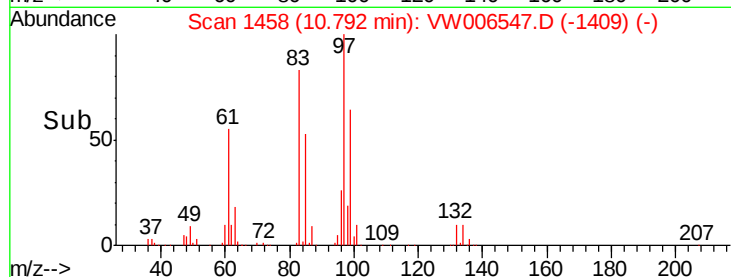
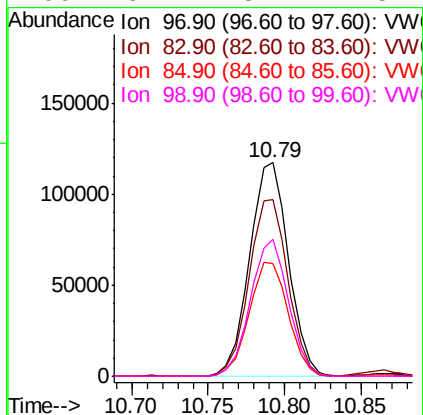
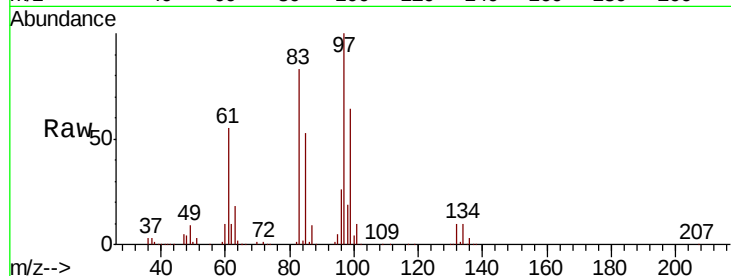
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	207696
Ion	Ratio	Lower	Upper
97	100		
83	82.5	67.9	101.9
85	52.6	44.0	66.0
99	64.1	52.2	78.2

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#56

Ethyl methacrylate

Concen: 105.317 ug/l

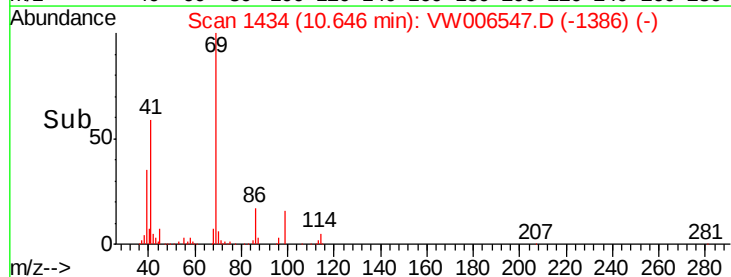
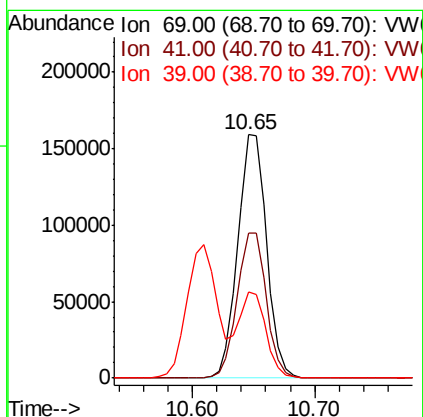
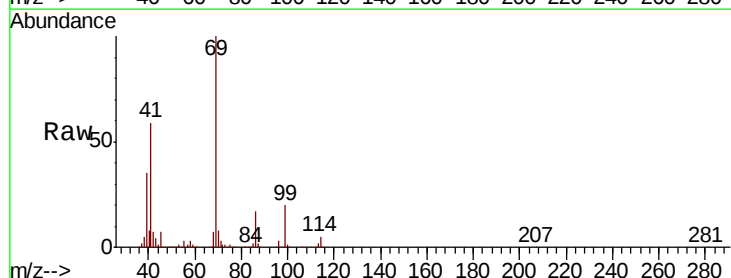
RT: 10.65 min Scan# 1434

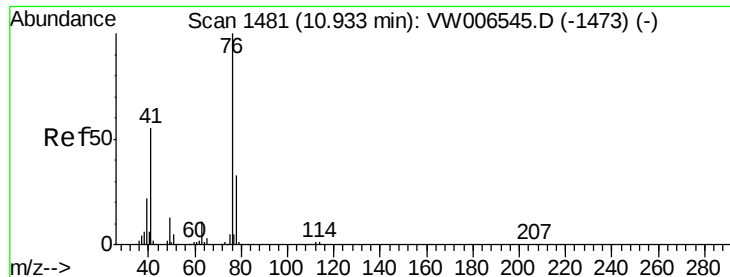
Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	69	Resp:	259559
Ion	Ratio	Lower	Upper
69	100		
41	59.9	47.4	71.2
39	34.4	25.3	37.9





#57

1,3-Dichloropropane

Concen: 100.381 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 76 Resp: 335333

Ion Ratio Lower Upper

76 100

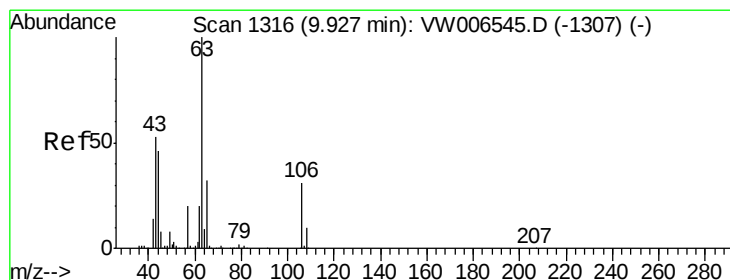
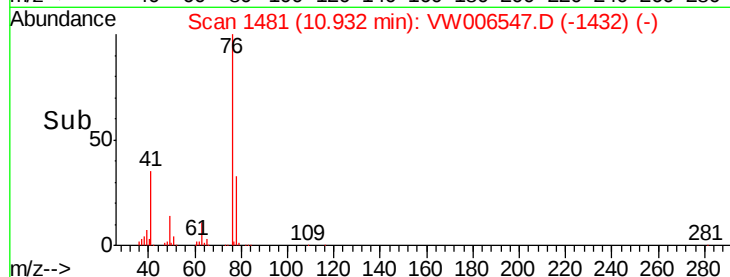
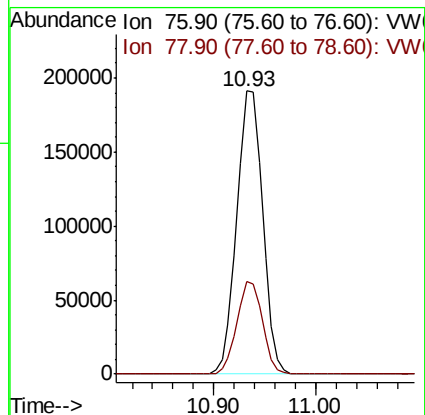
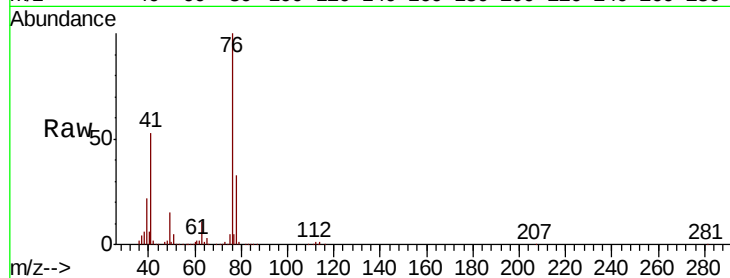
78 32.2 26.2 39.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#58

2-Chloroethyl Vinyl ether

Concen: 648.395 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW006547.D

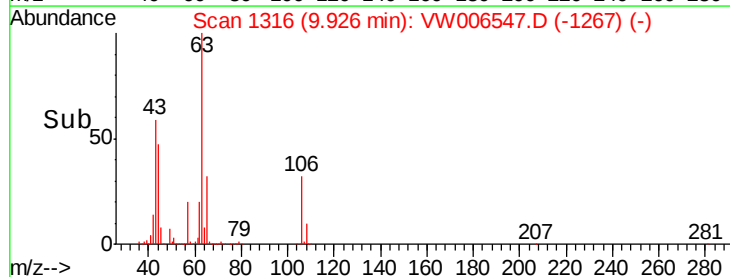
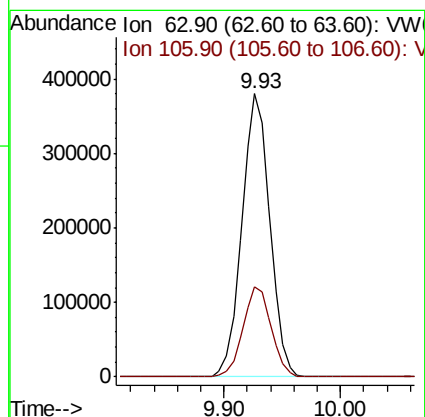
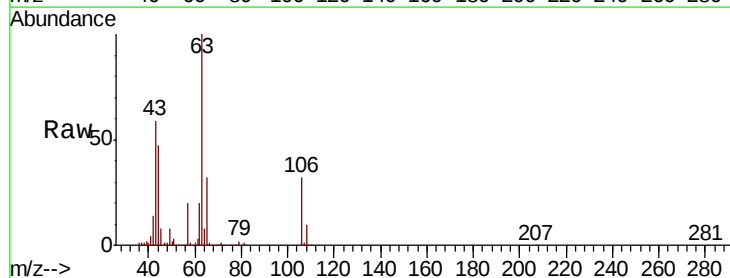
Acq: 01 Nov 2018 01:39

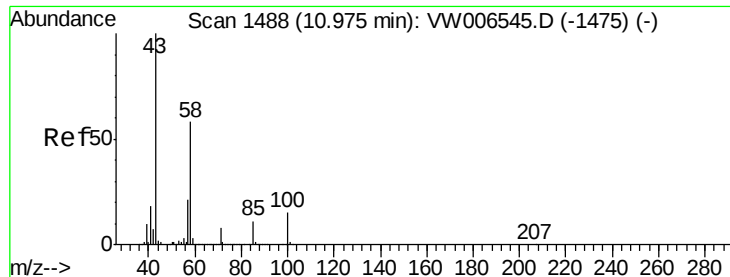
Tgt Ion: 63 Resp: 634888

Ion Ratio Lower Upper

63 100

106 32.2 25.4 38.2





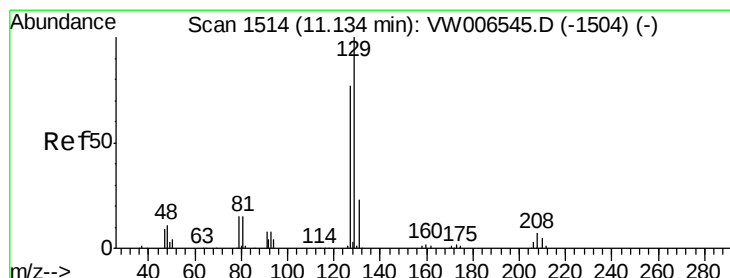
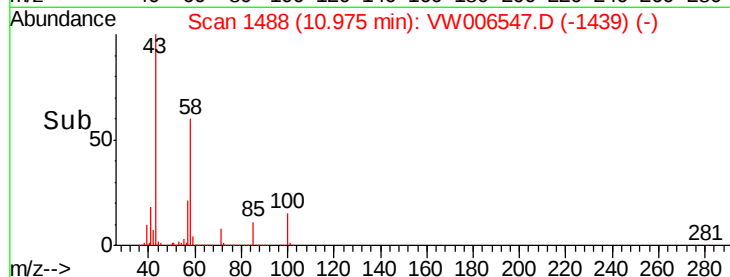
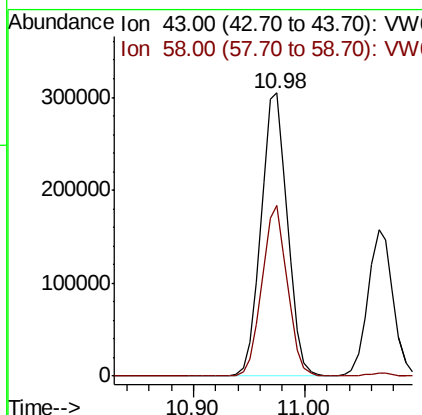
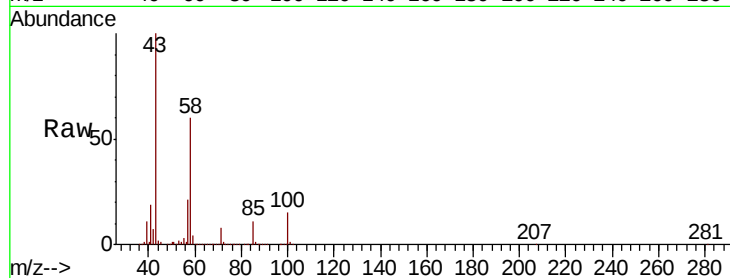
#59
2-Hexanone
Concen: 489.549 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 504306
Ion Ratio Lower Upper
43 100
58 58.1 28.8 86.4

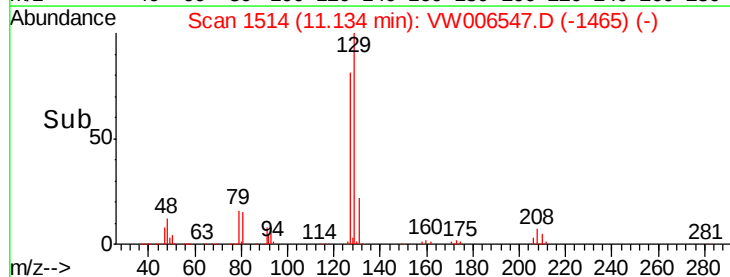
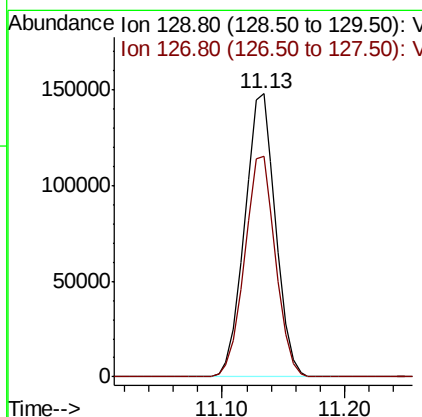
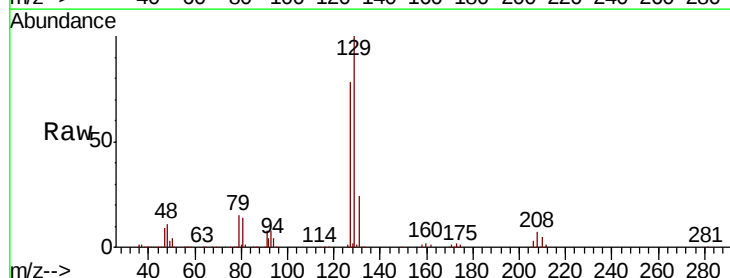
Manual Integrations
APPROVED

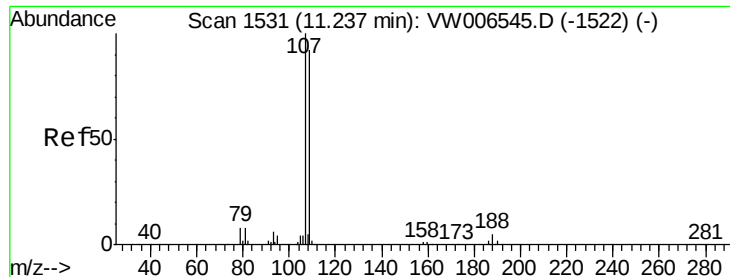
apatel
11/2/2018 3:20:12 PM



#60
Dibromochloromethane
Concen: 103.334 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion: 129 Resp: 259315
Ion Ratio Lower Upper
129 100
127 77.8 38.8 116.3





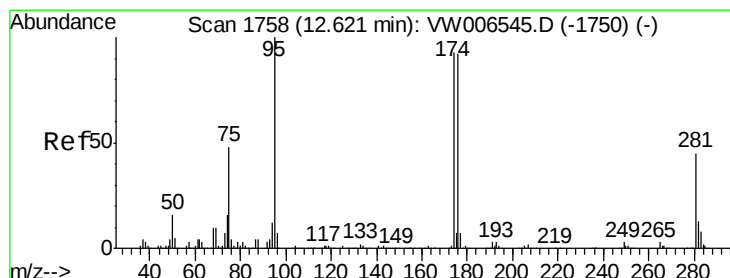
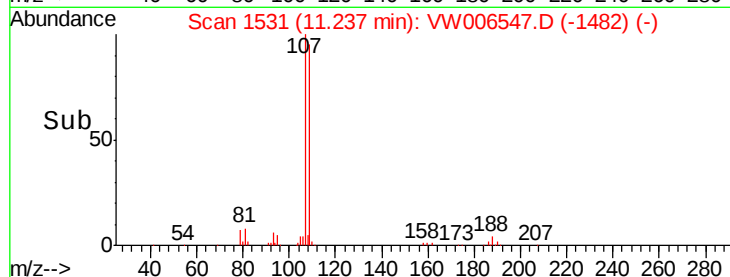
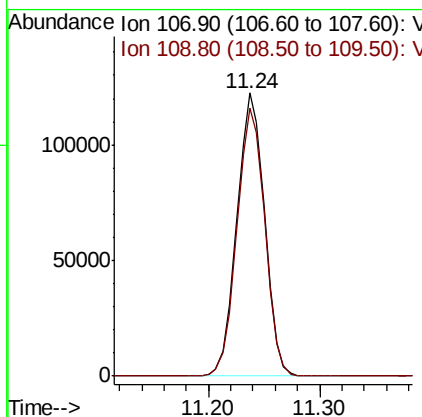
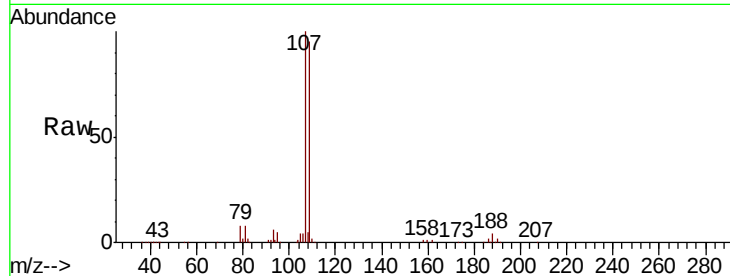
#61
1,2-Dibromoethane
Concen: 103.818 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.8	113.6

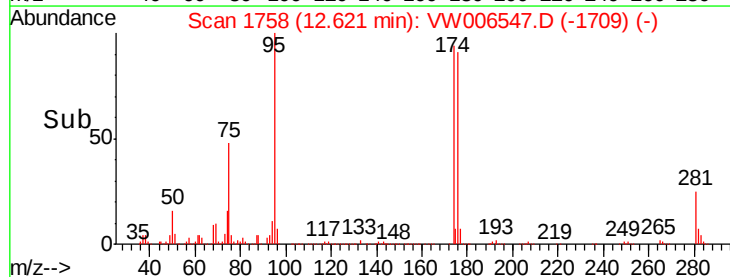
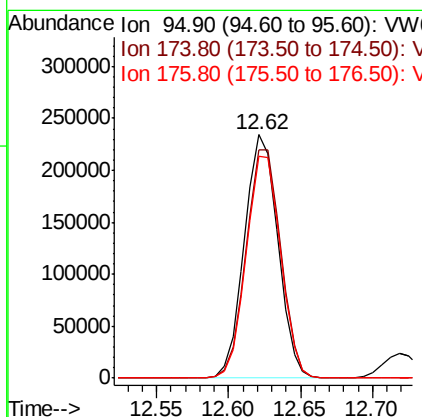
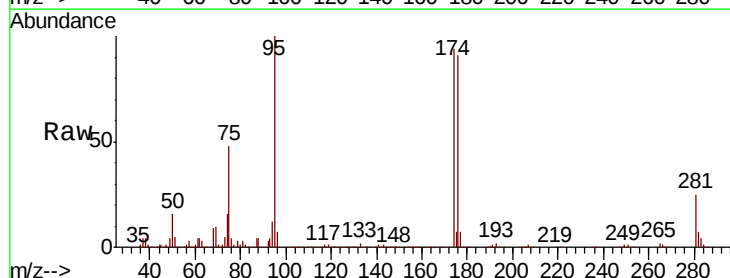
Manual Integrations
APPROVED

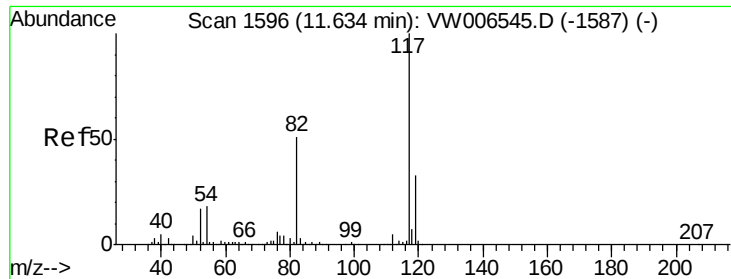
apatel
11/2/2018 3:20:12 PM



#62
4-Bromofluorobenzene
Concen: 105.815 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	192.4
176	93.5	0.0	187.4





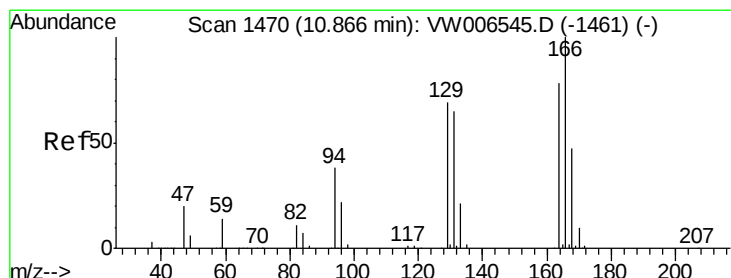
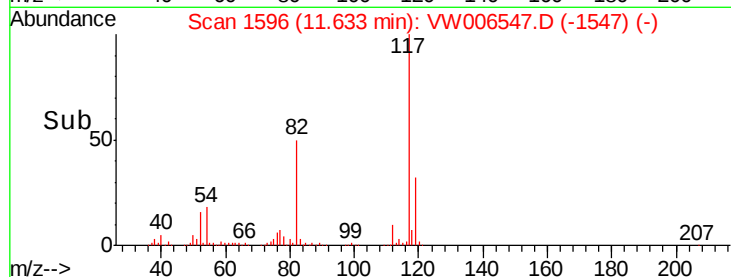
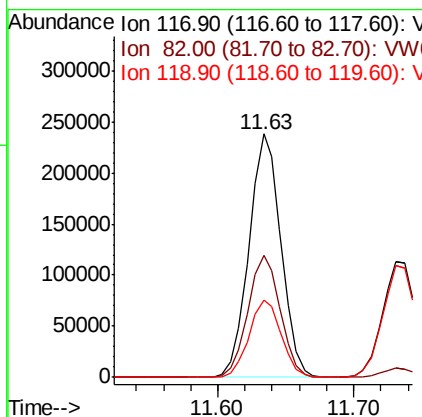
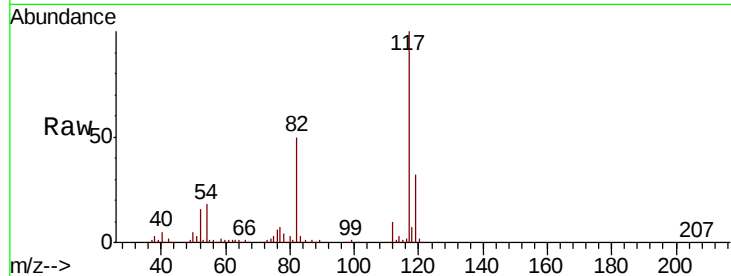
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	392014		
82	50.0		40.8	61.2
119	31.6		26.1	39.1

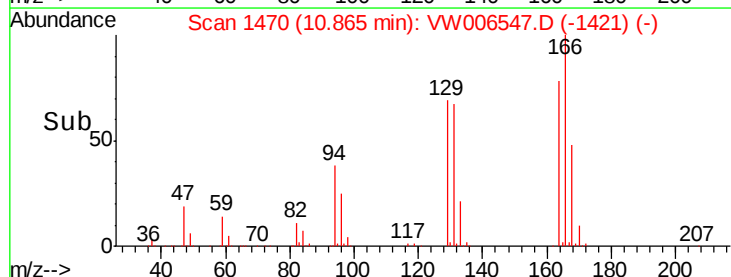
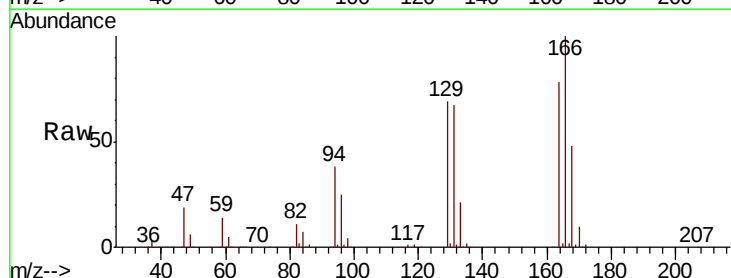
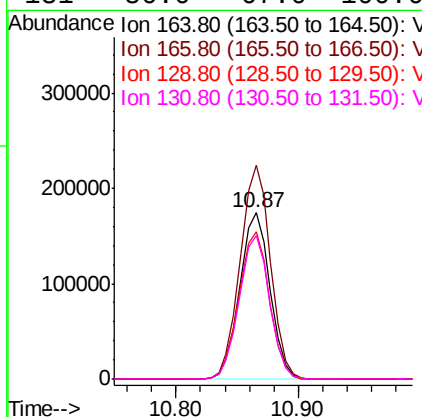
Manual Integrations
APPROVED

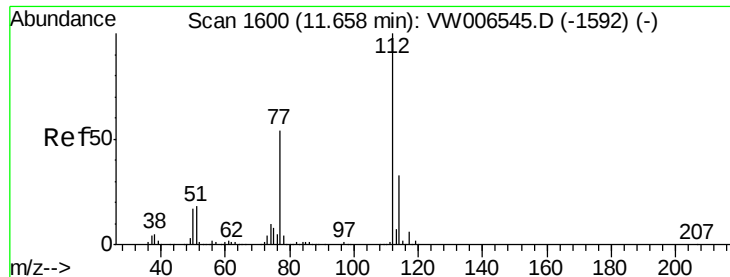
apatel
11/2/2018 3:20:12 PM



#64
Tetrachloroethene
Concen: 97.267 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	298292		
166	128.4		102.8	154.2
129	88.4		70.9	106.3
131	86.0		67.0	100.6





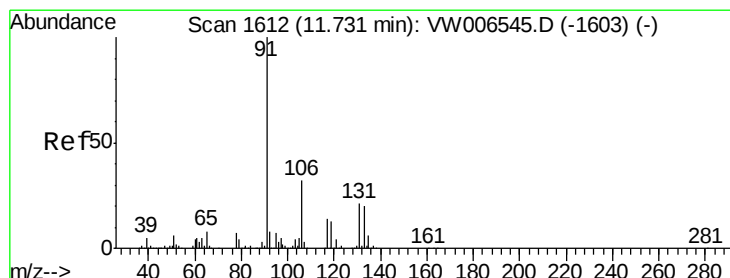
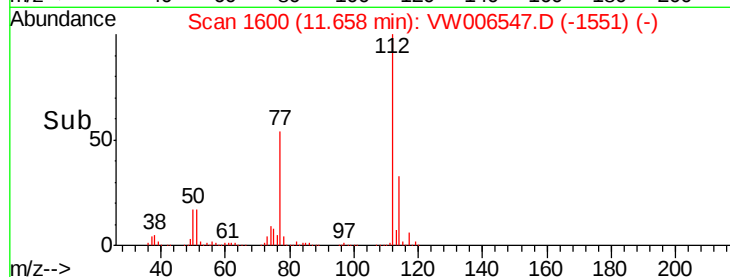
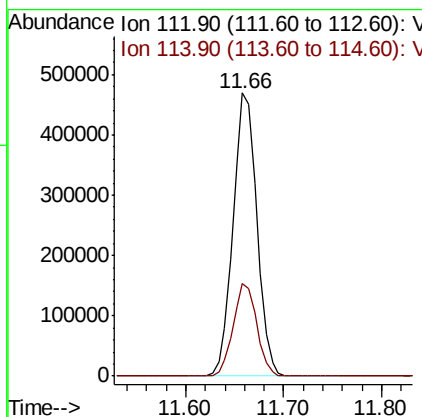
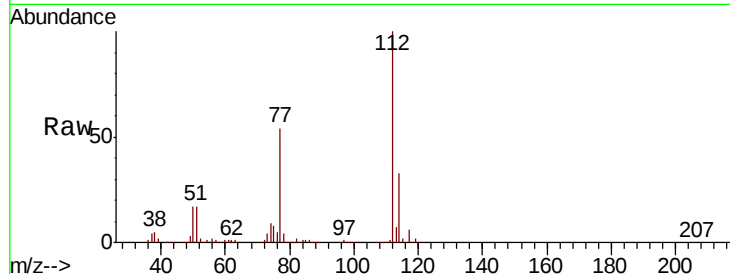
#65
Chlorobenzene
Concen: 94.265 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 792030
Ion Ratio Lower Upper
112 100
114 32.6 26.2 39.2

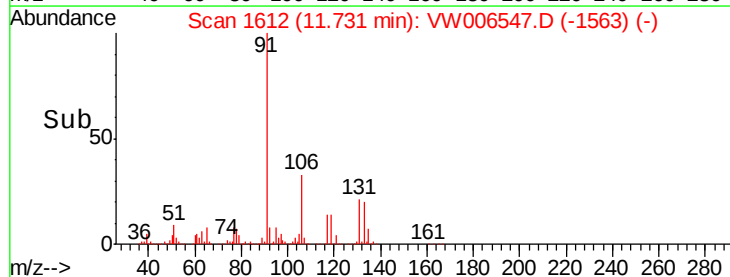
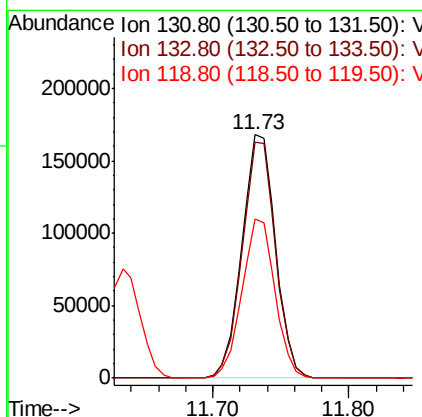
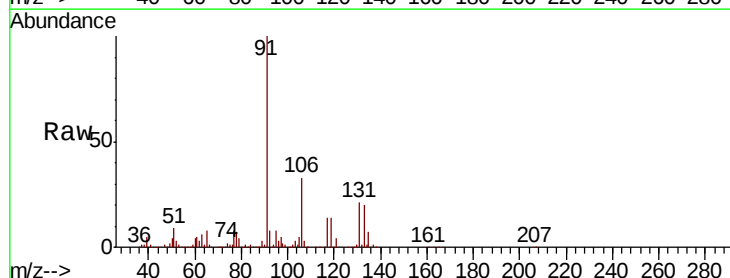
Manual Integrations
APPROVED

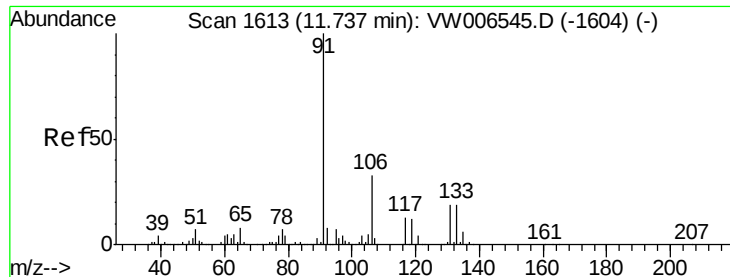
apatel
11/2/2018 3:20:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 97.404 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion:131 Resp: 289970
Ion Ratio Lower Upper
131 100
133 96.1 47.5 142.5
119 64.3 31.9 95.5





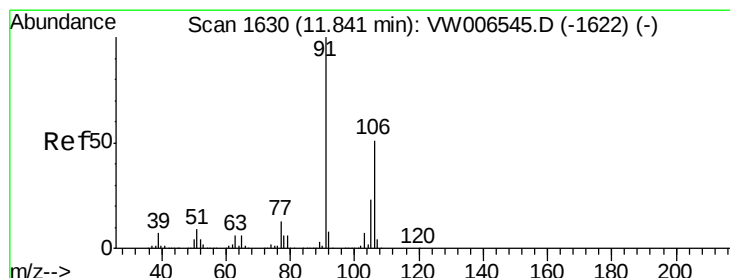
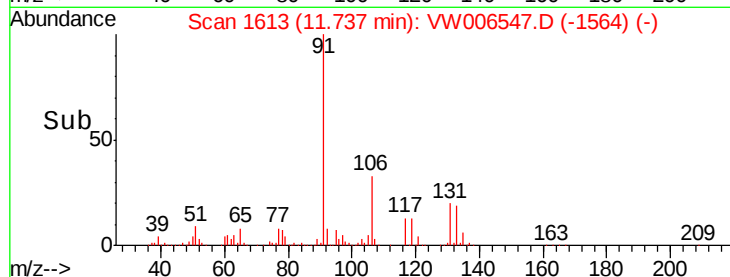
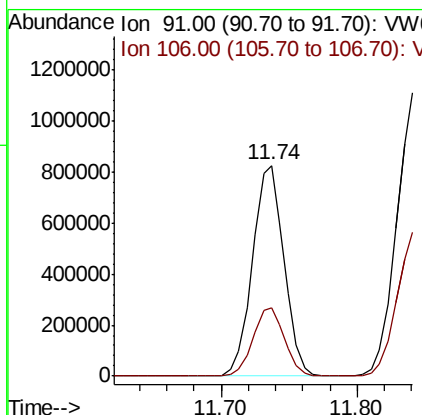
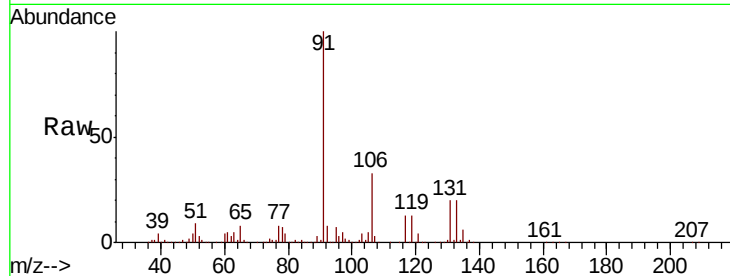
#67
Ethyl Benzene
Concen: 92.687 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1342123
Ion Ratio Lower Upper
91 100
106 32.7 26.3 39.5

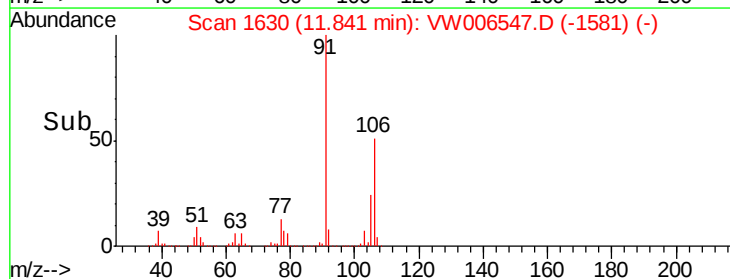
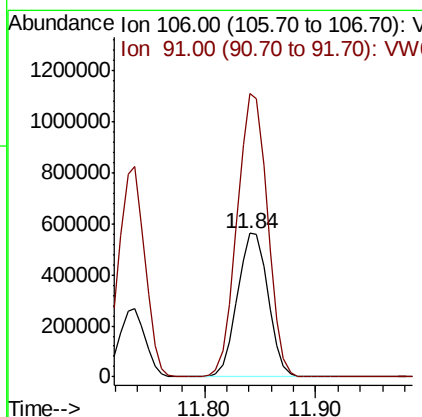
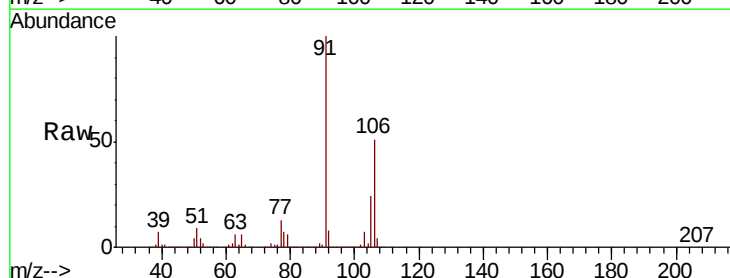
Manual Integrations
APPROVED

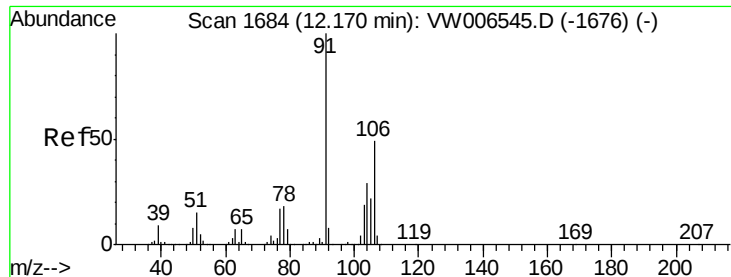
apatel
11/2/2018 3:20:12 PM



#68
m/p-Xylenes
Concen: 187.752 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion: 106 Resp: 1076747
Ion Ratio Lower Upper
106 100
91 195.4 156.7 235.1





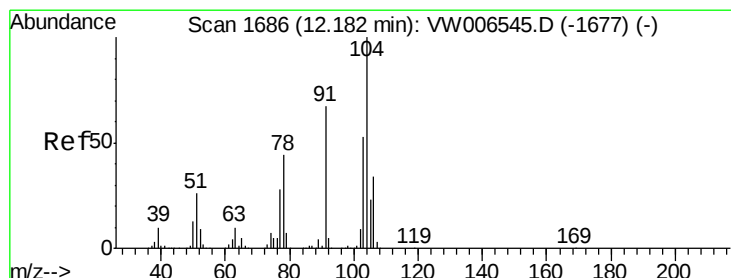
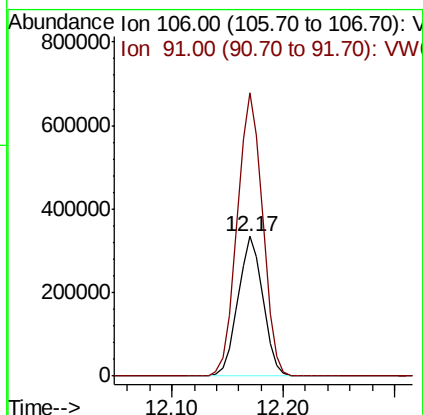
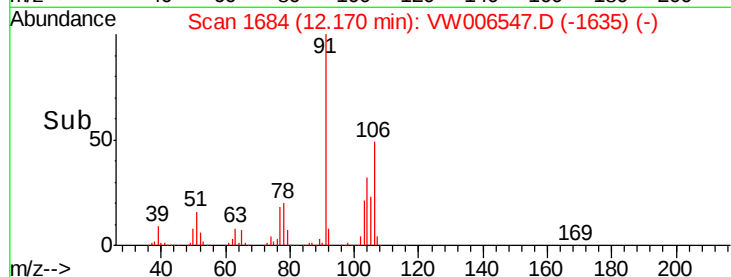
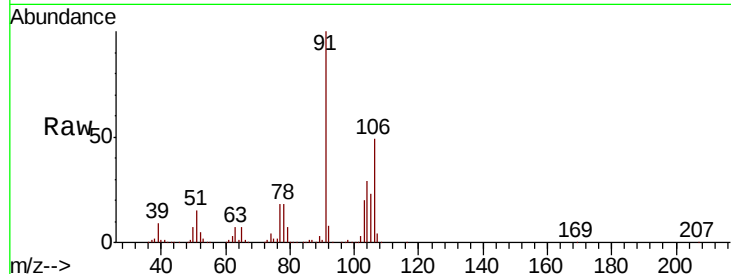
#69
o-Xylene
Concen: 94.542 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.7	102.8	308.4

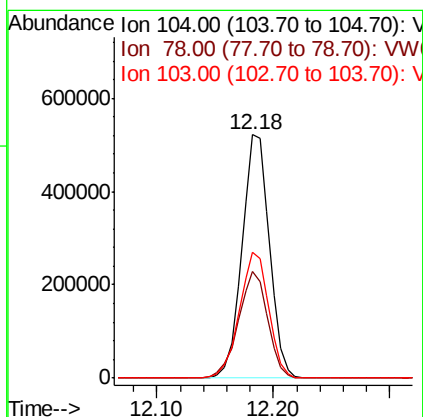
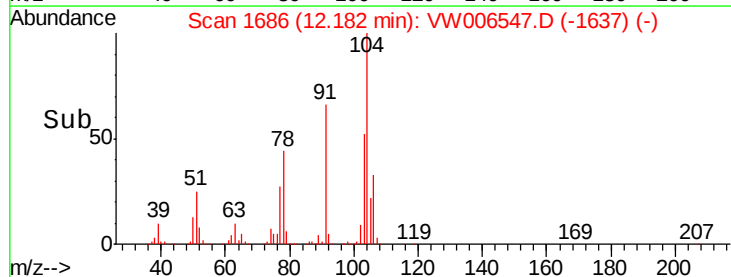
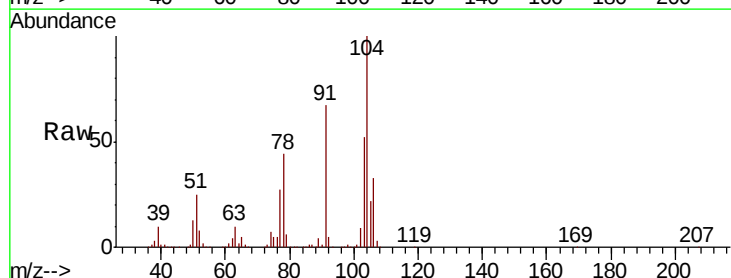
Manual Integrations
APPROVED

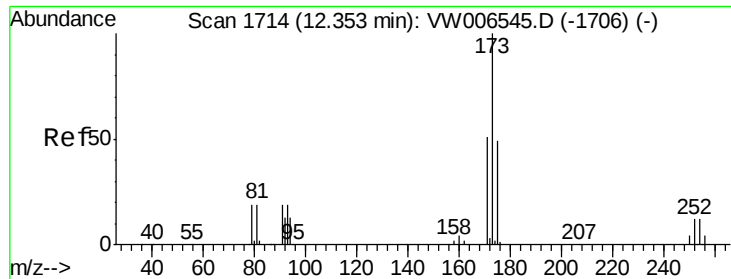
apatel
11/2/2018 3:20:12 PM



#70
Styrene
Concen: 96.121 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.2	55.8
103	55.2	44.2	66.2





#71

Bromoform

Concen: 105.238 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

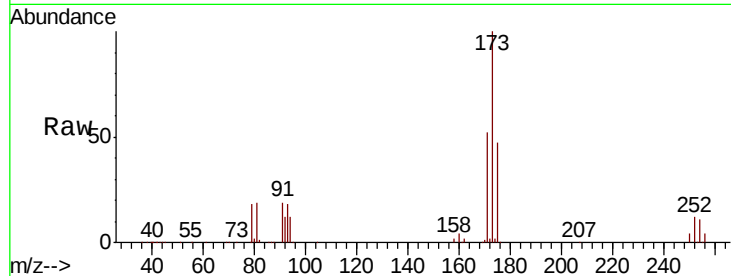
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.1	72.4
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM

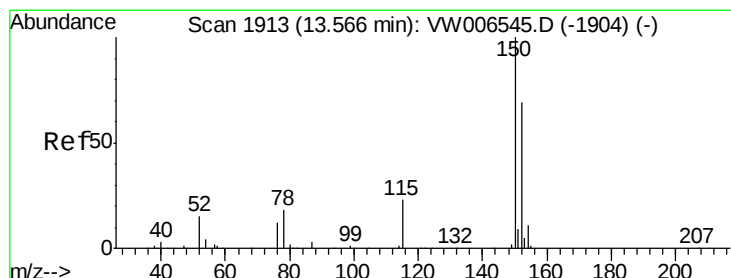
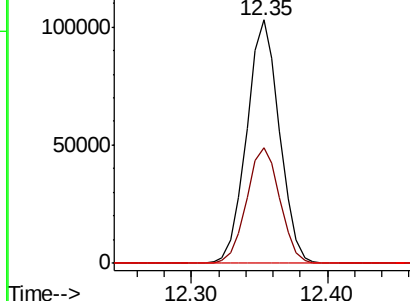
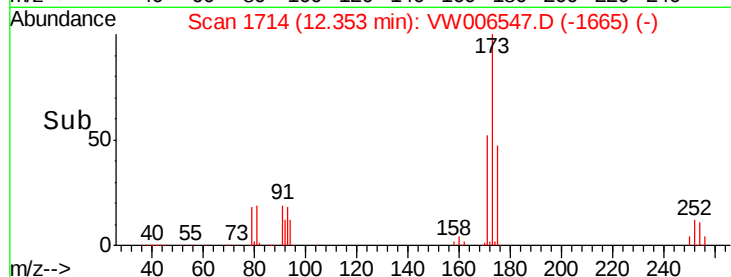


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

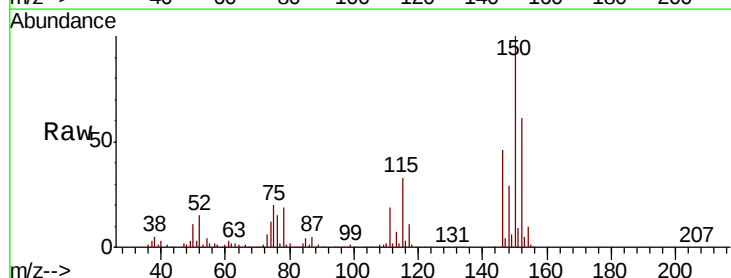
RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	26.6	79.8
150	189.2	0.0	344.6

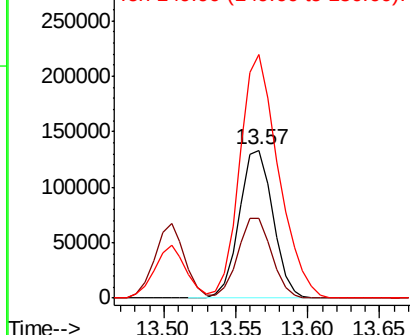
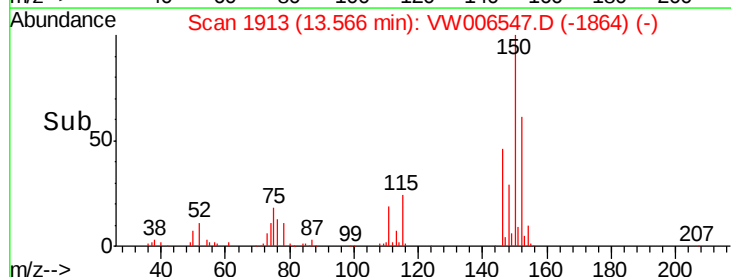


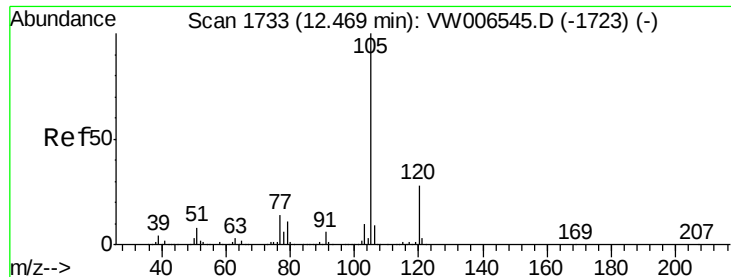
Abundance

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: 93.601 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1418551

Ion Ratio Lower Upper

105 100

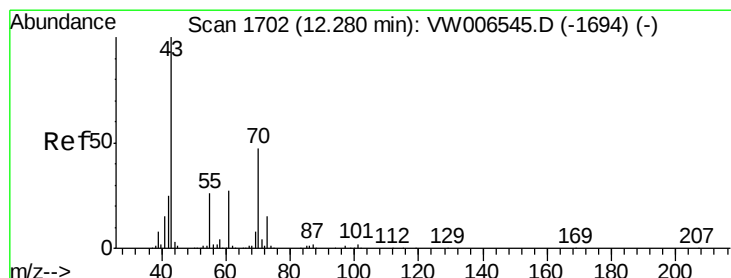
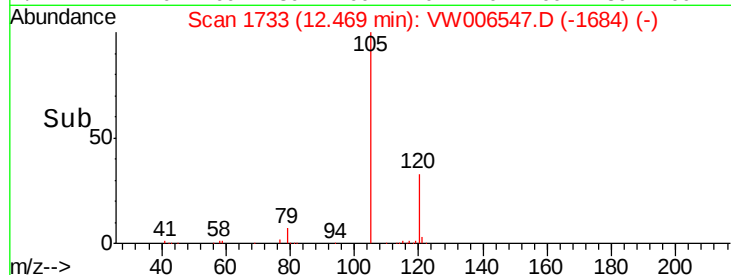
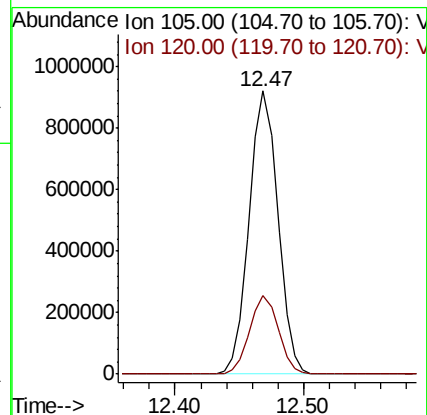
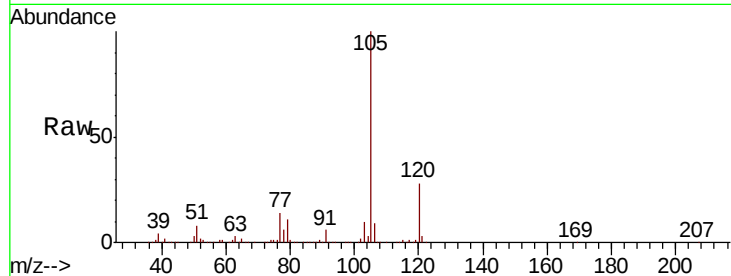
120 27.6 13.7 41.1

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#74

N-ethyl acetate

Concen: 96.260 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.01 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion: 43 Resp: 278453

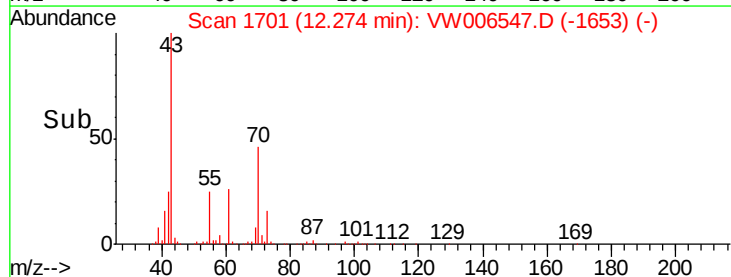
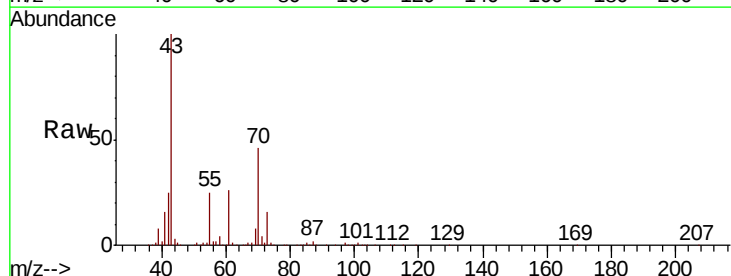
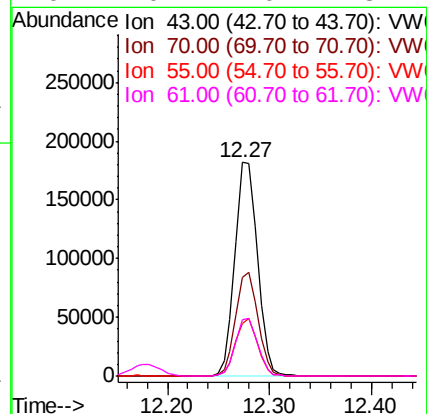
Ion Ratio Lower Upper

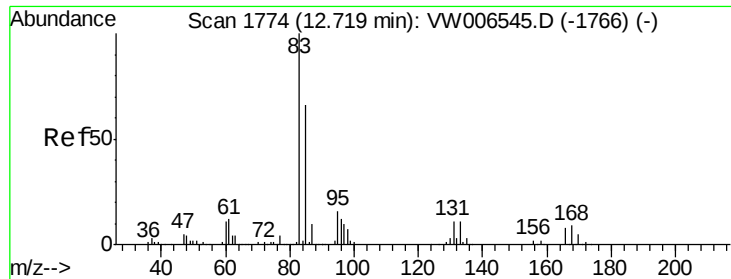
43 100

70 47.8 36.9 55.3

55 26.0 20.7 31.1

61 26.4 20.7 31.1





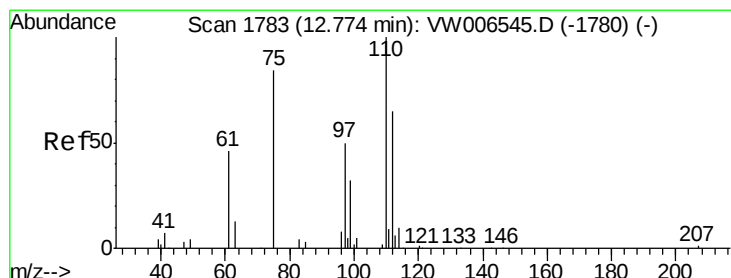
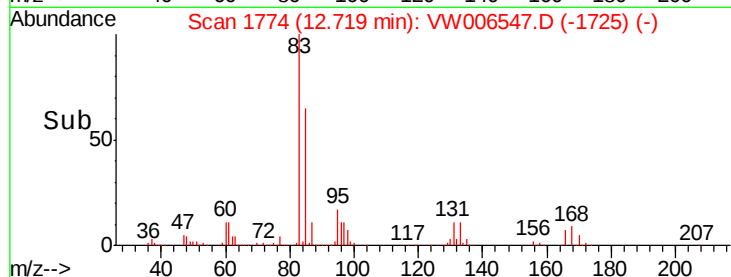
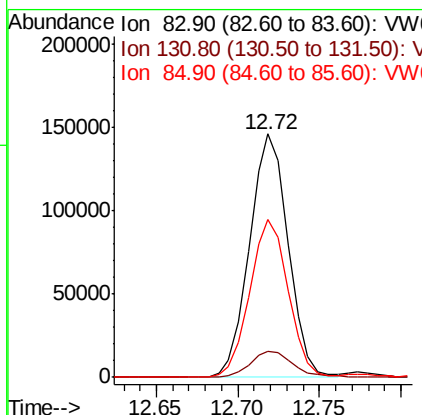
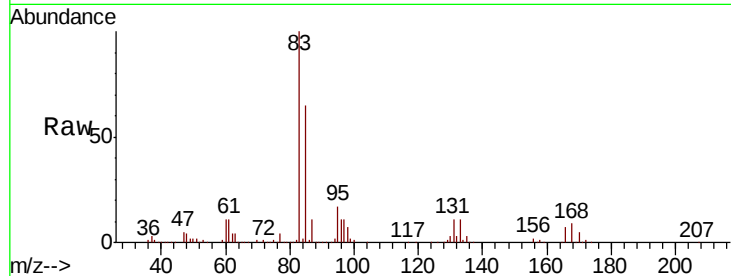
#75
 1,1,2,2-Tetrachloroethane
 Concen: 104.621 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241217		
131	11.8	5.9	17.7	
85	64.7	32.3	96.8	

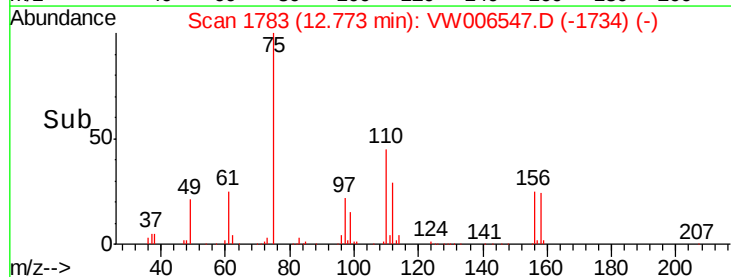
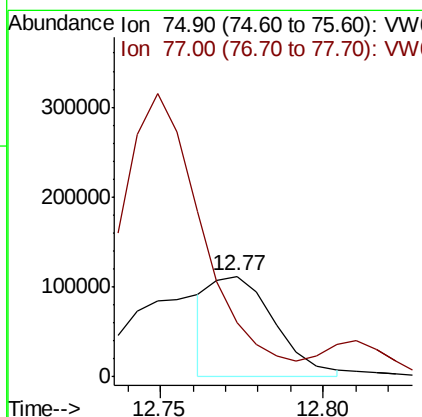
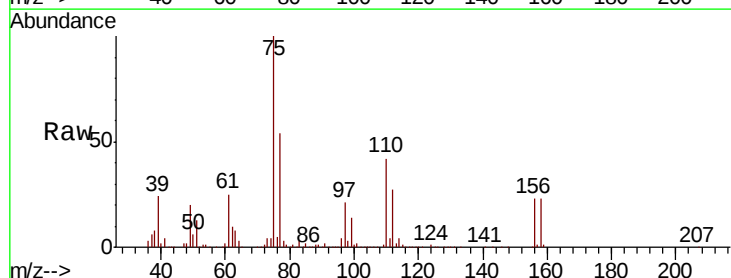
Manual Integrations
 APPROVED

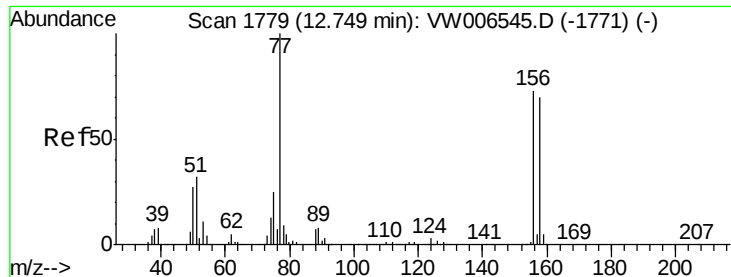
apatel
 11/2/2018 3:20:12 PM



#76
 1,2,3-Trichloropropane
 Concen: 91.497 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	153025		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 96.702 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

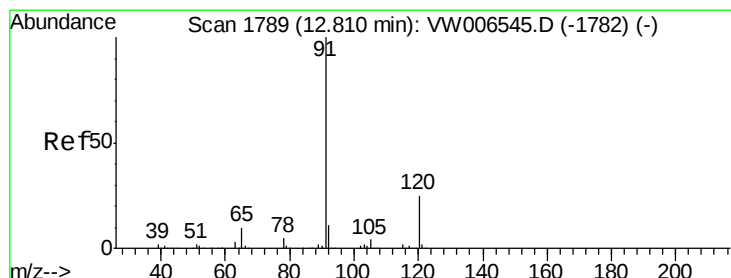
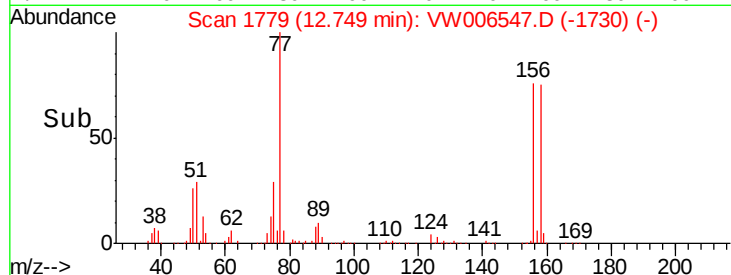
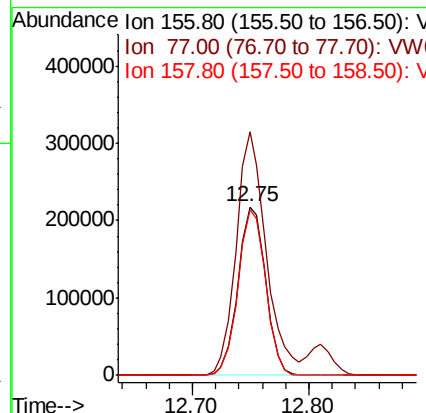
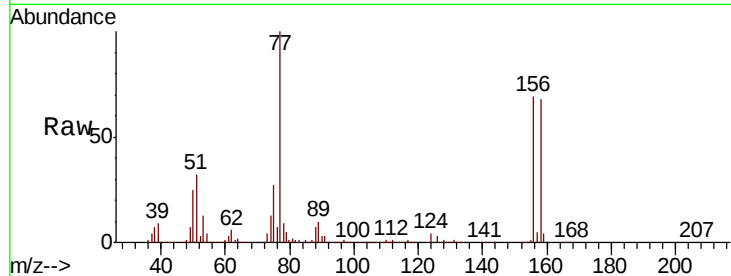
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.2	75.9	227.8
158	97.9	48.6	145.9

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#78

n-propylbenzene

Concen: 91.948 ug/l

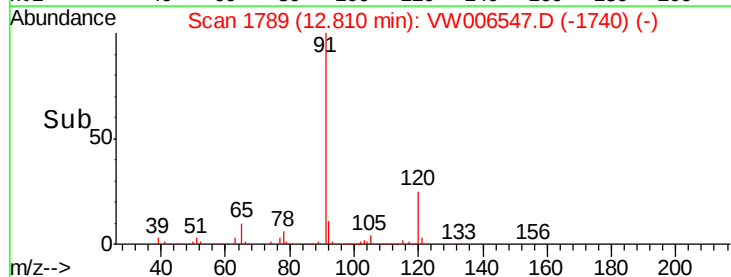
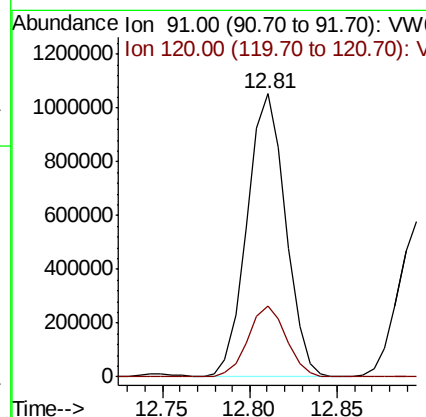
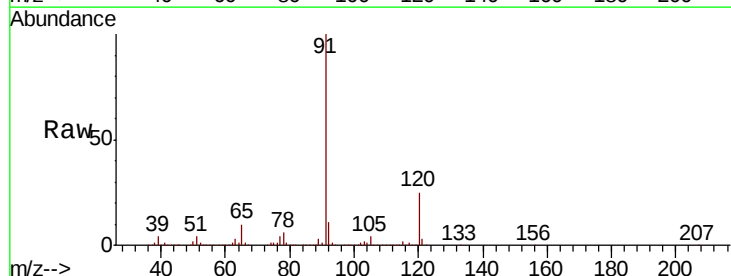
RT: 12.81 min Scan# 1789

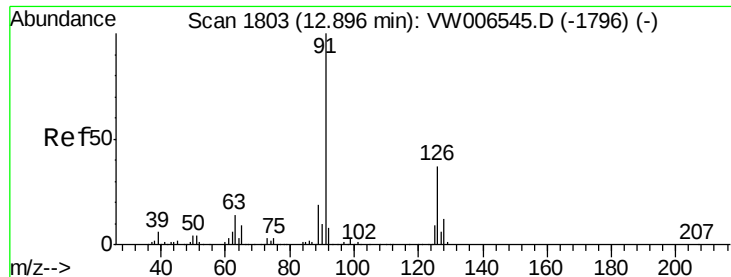
Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.0





#79

2-Chlorotoluene

Concen: 93.160 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 920949

Ion Ratio Lower Upper

91 100

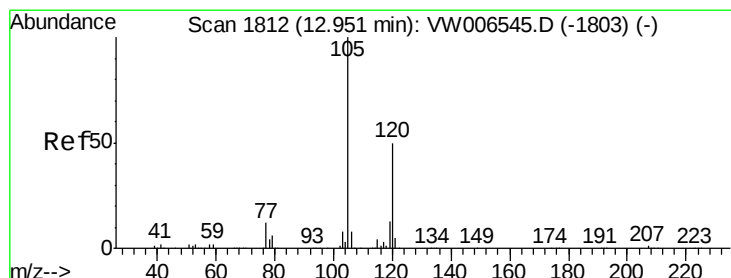
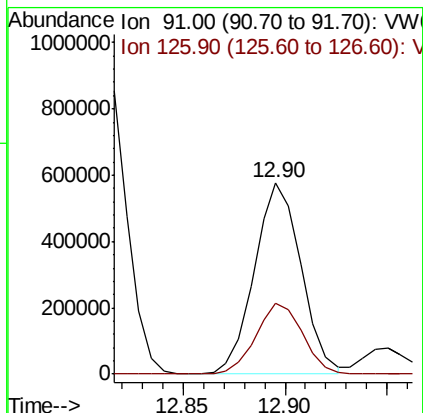
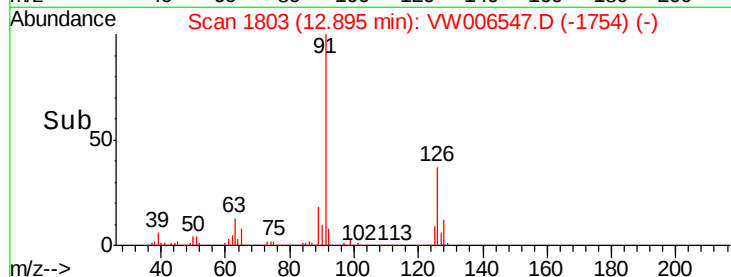
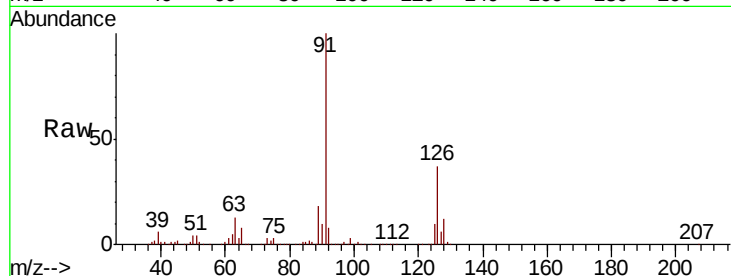
126 36.9 18.5 55.5

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#80

1,3,5-Trimethylbenzene

Concen: 92.679 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006547.D

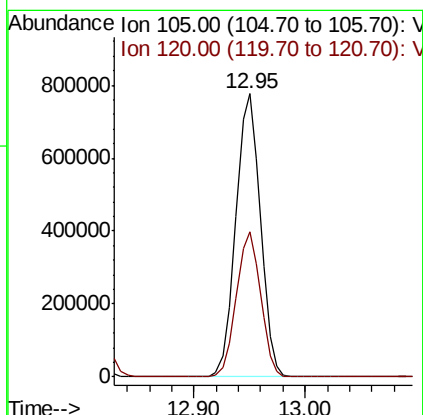
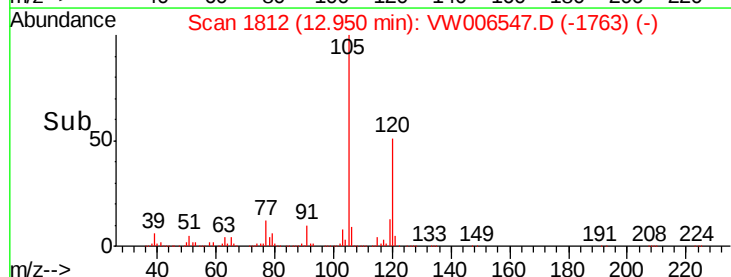
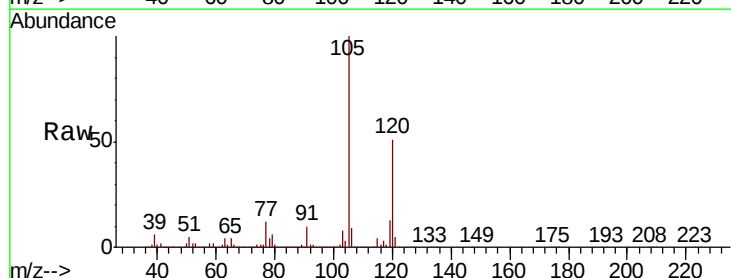
Acq: 01 Nov 2018 01:39

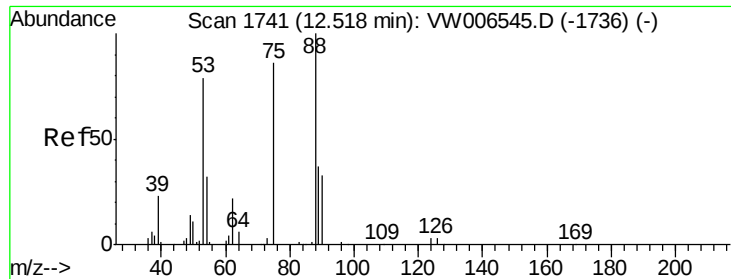
Tgt Ion:105 Resp: 1182367

Ion Ratio Lower Upper

105 100

120 50.8 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 106.641 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

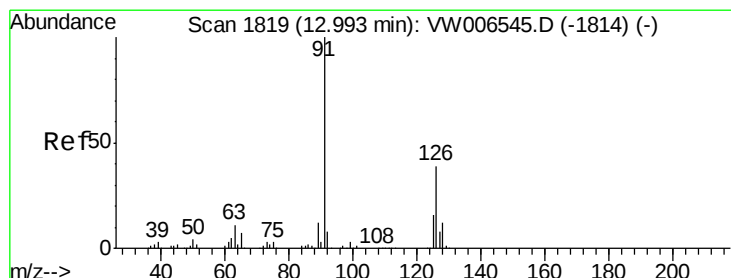
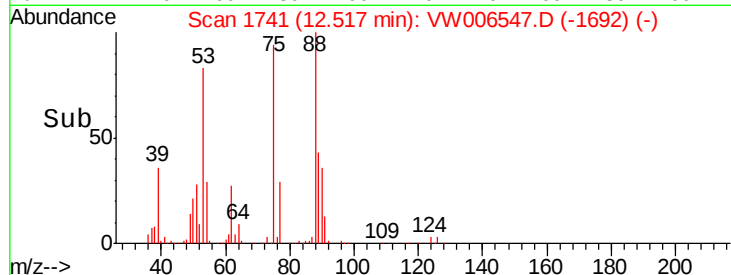
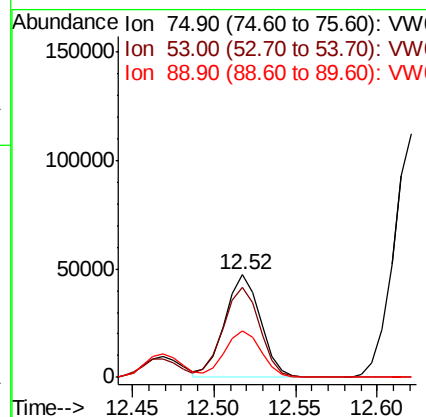
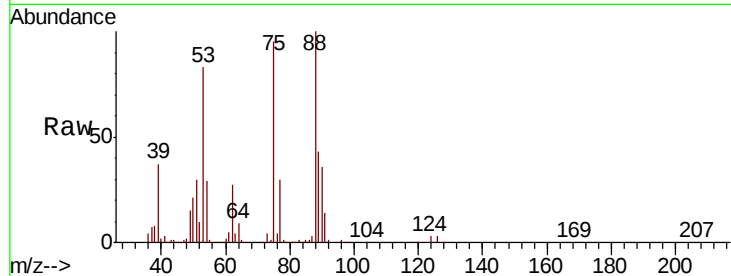
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	72206
Ion	Ratio	Lower	Upper
75	100		
53	90.3	77.2	115.8
89	46.3	38.6	58.0

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#82

4-Chlorotoluene

Concen: 93.949 ug/l

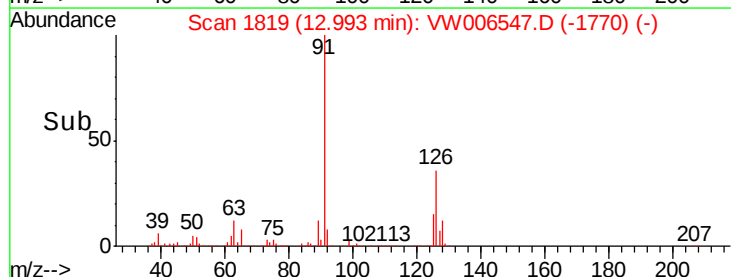
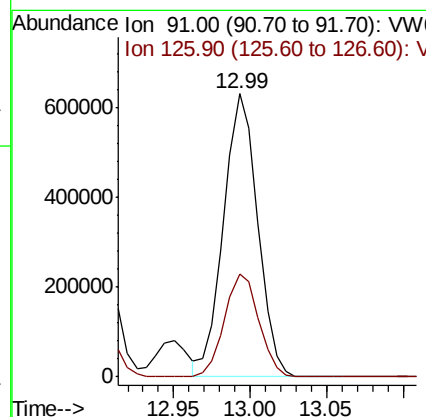
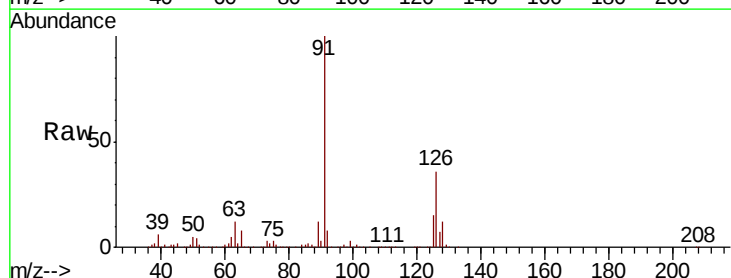
RT: 12.99 min Scan# 1819

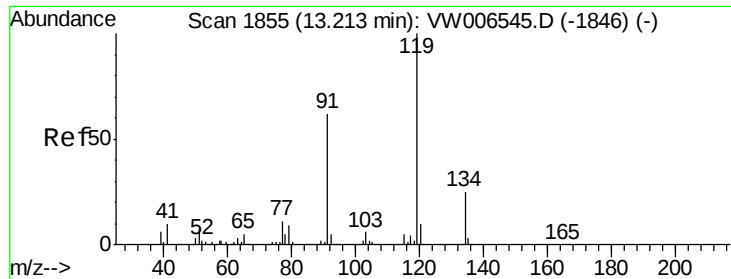
Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Tgt Ion:	91	Resp:	976634
Ion	Ratio	Lower	Upper
91	100		
126	36.7	18.5	55.5





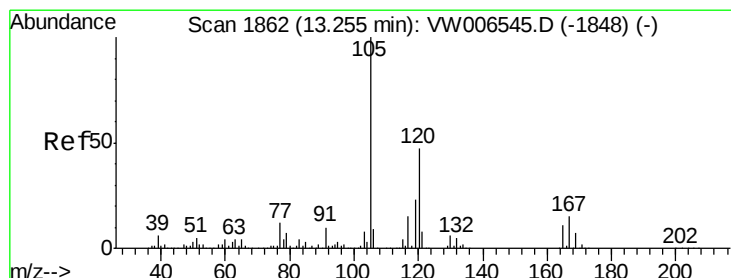
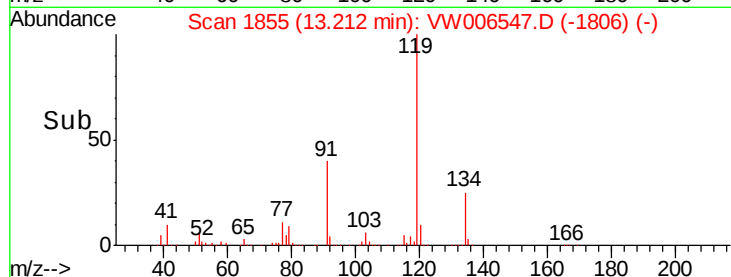
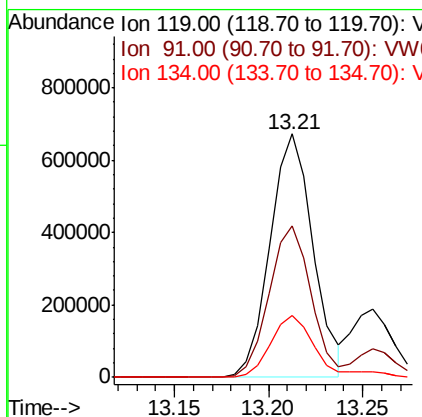
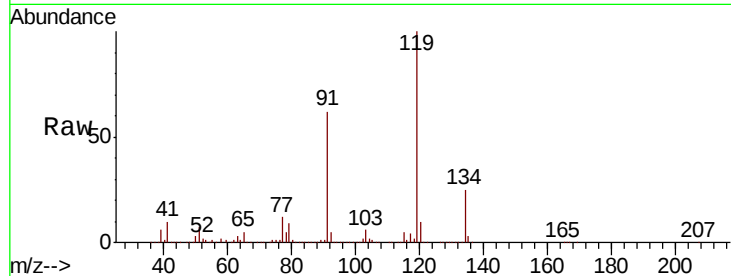
#83
tert-Butylbenzene
Concen: 93.187 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:119 Resp: 1064225
Ion Ratio Lower Upper
119 100
91 60.7 30.4 91.3
134 26.7 13.5 40.4

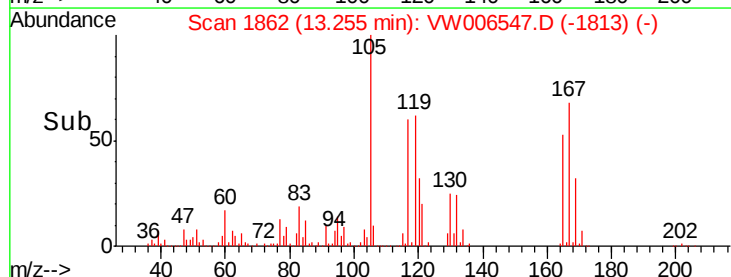
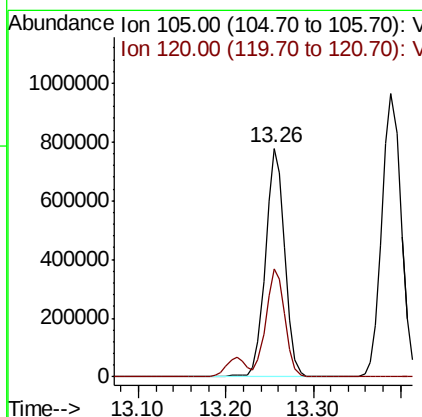
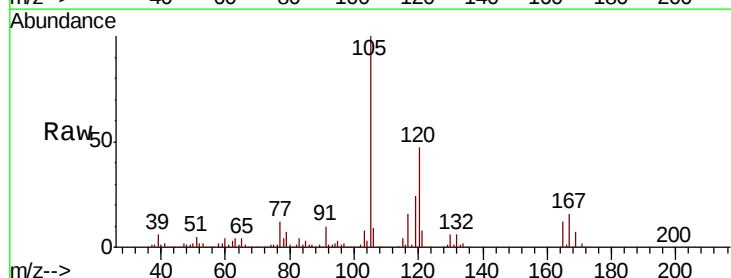
Manual Integrations
APPROVED

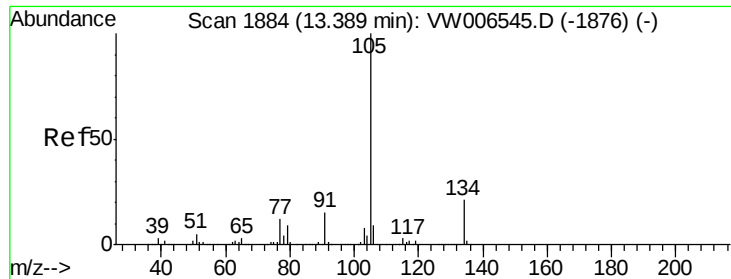
apatel
11/2/2018 3:20:12 PM



#84
1,2,4-Trimethylbenzene
Concen: 92.953 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion:105 Resp: 1203594
Ion Ratio Lower Upper
105 100
120 46.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 91.279 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 1468339

Ion Ratio Lower Upper

105 100

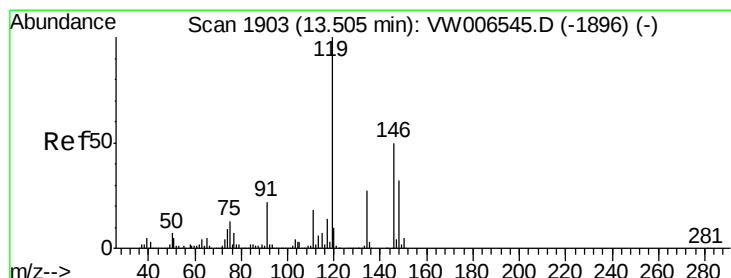
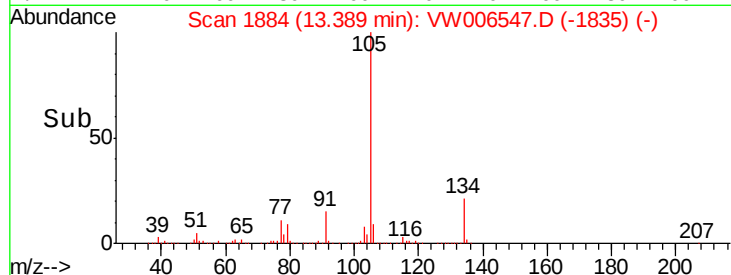
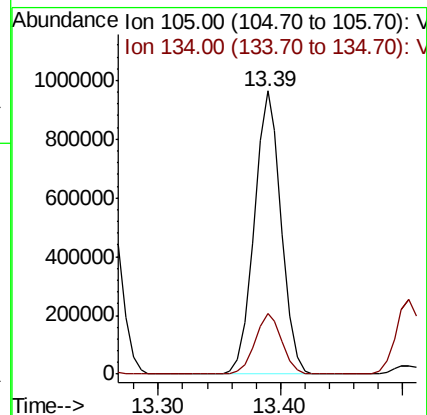
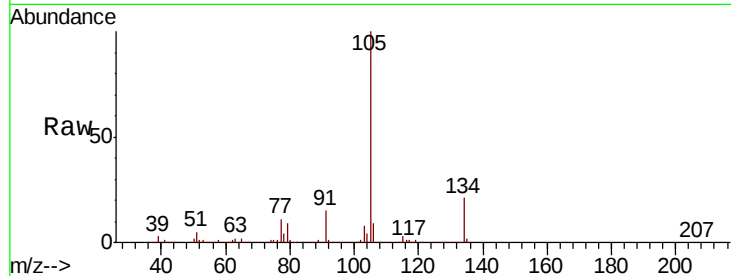
134 21.3 10.6 31.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:20:12 PM



#86

p-Isopropyltoluene

Concen: 92.240 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006547.D

Acq: 01 Nov 2018 01:39

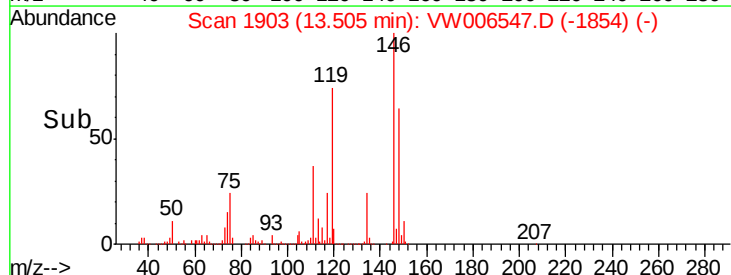
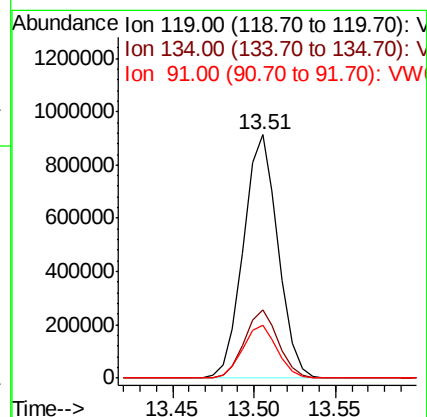
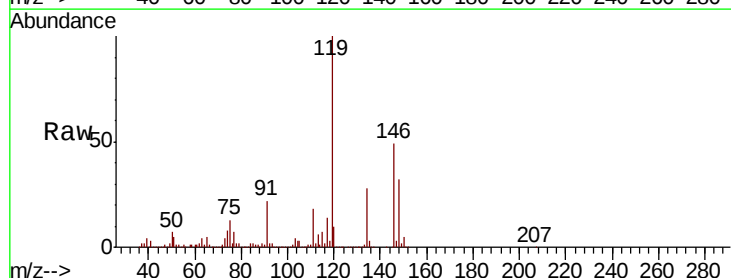
Tgt Ion:119 Resp: 1343278

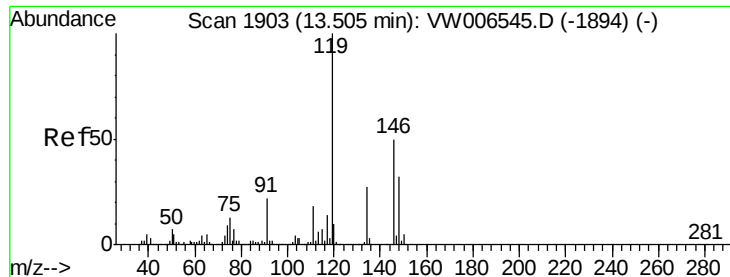
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.7

91 21.7 10.9 32.6





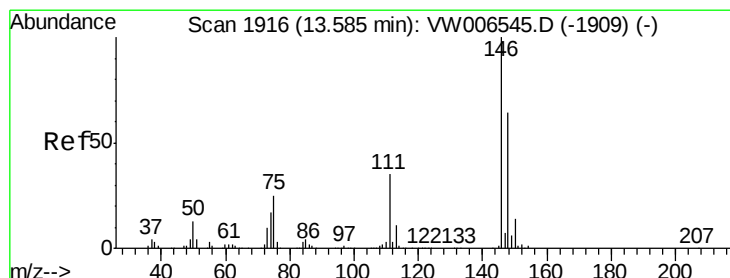
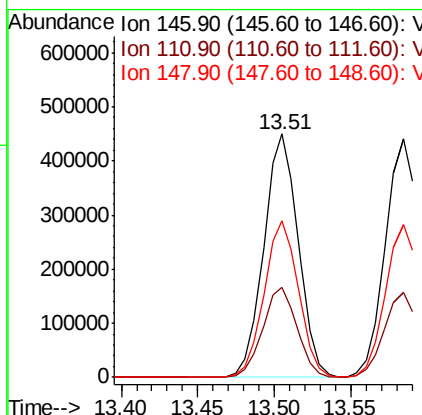
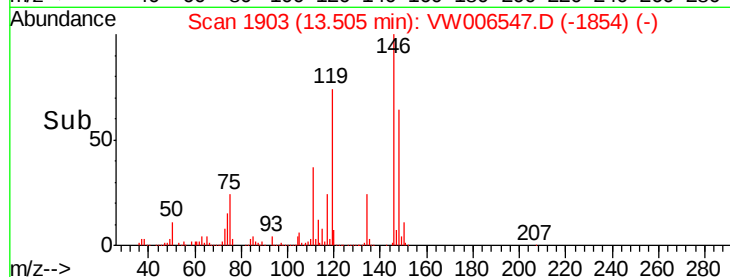
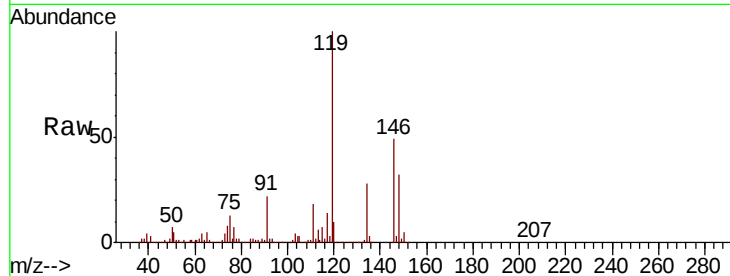
#87
 1,3-Dichlorobenzene
 Concen: 95.121 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.6
148	63.9	32.1	96.3

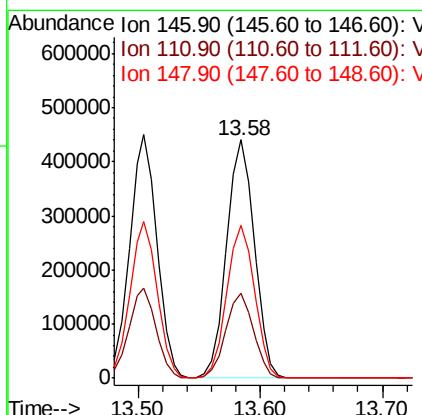
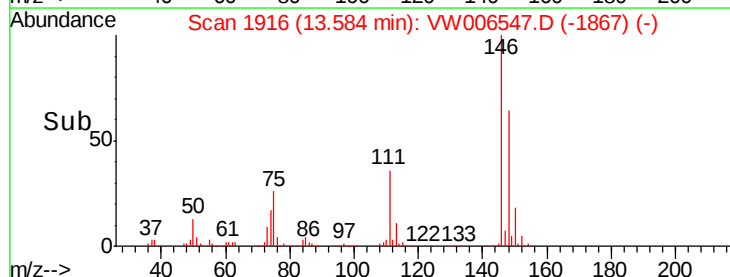
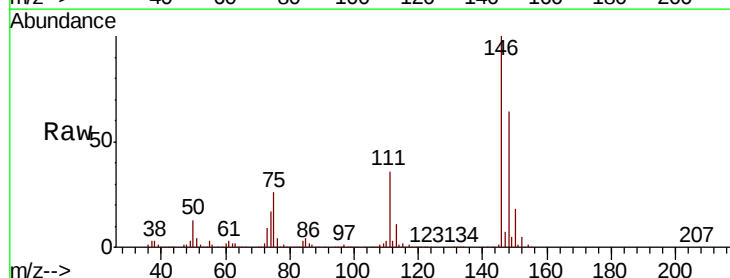
Manual Integrations
 APPROVED

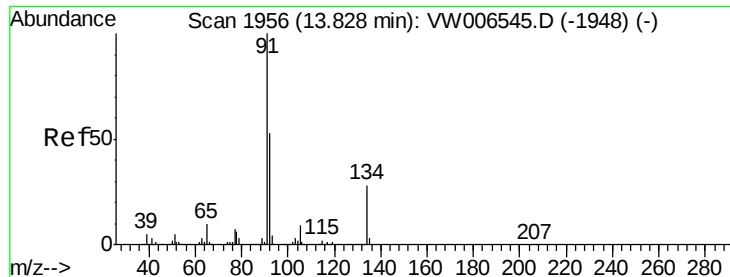
apatel
 11/2/2018 3:20:12 PM



#88
 1,4-Dichlorobenzene
 Concen: 93.555 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	17.9	53.7
148	64.2	32.1	96.5





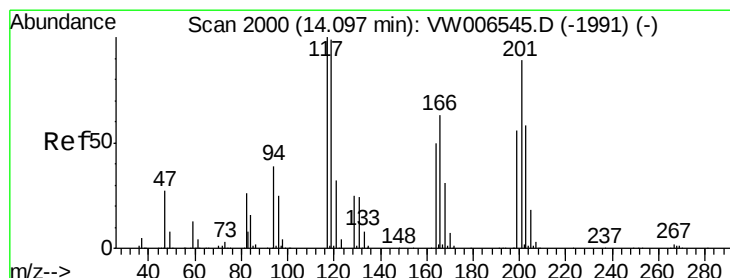
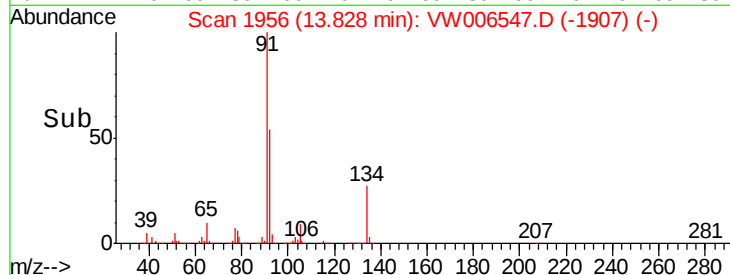
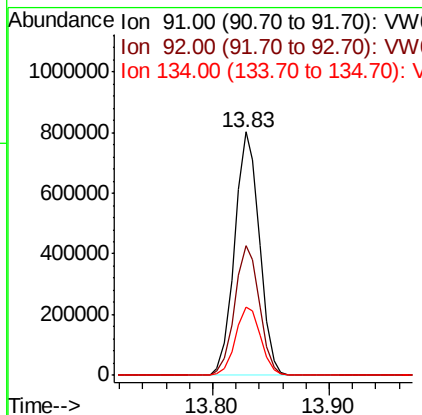
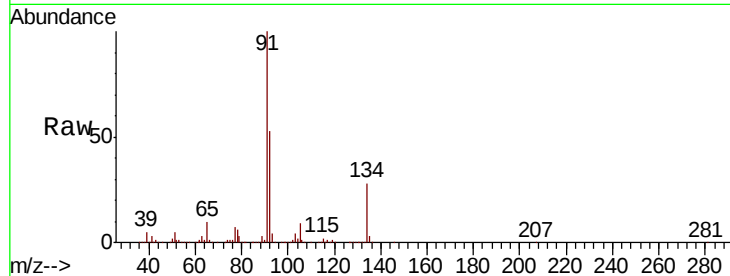
#89
n-Butylbenzene
Concen: 89.127 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1183723
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.0
134 28.7 14.3 42.9

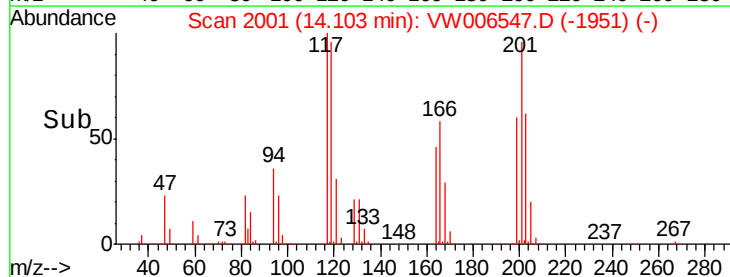
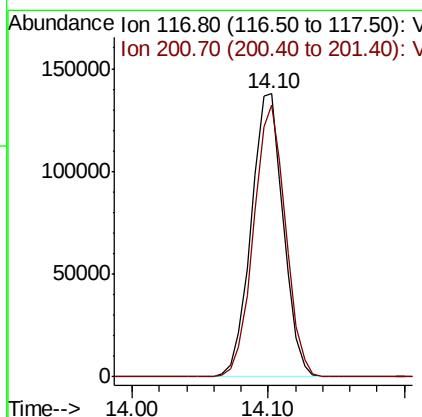
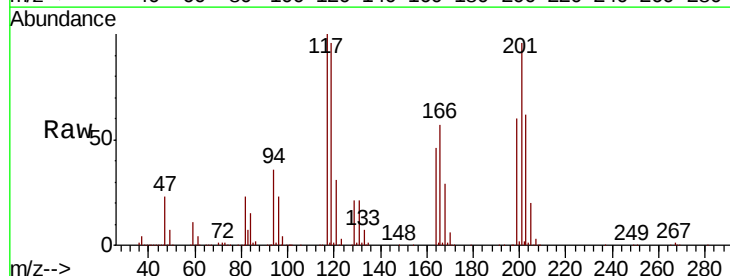
Manual Integrations
APPROVED

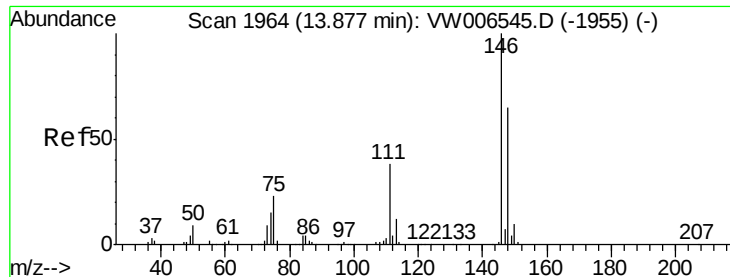
apatel
11/2/2018 3:20:12 PM



#90
Hexachloroethane
Concen: 93.373 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion: 117 Resp: 229182
Ion Ratio Lower Upper
117 100
201 94.9 46.8 140.3





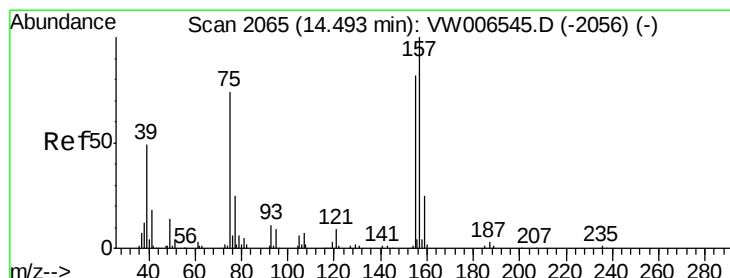
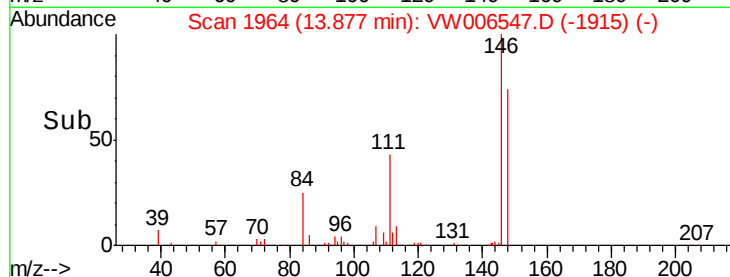
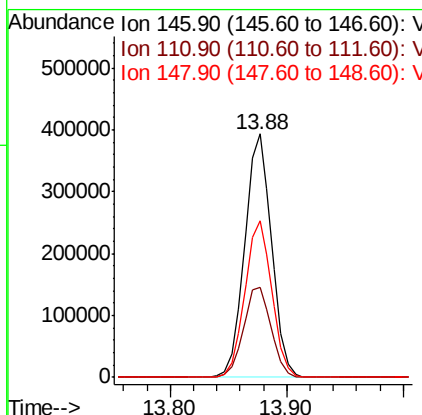
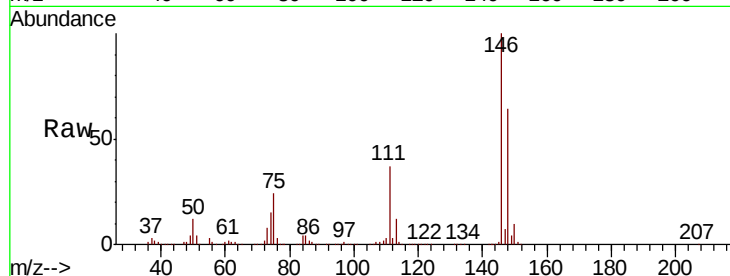
#91
 1,2-Dichlorobenzene
 Concen: 94.964 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.5
148	64.4	32.0	96.0

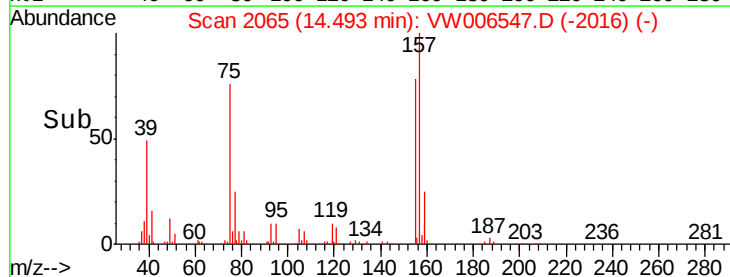
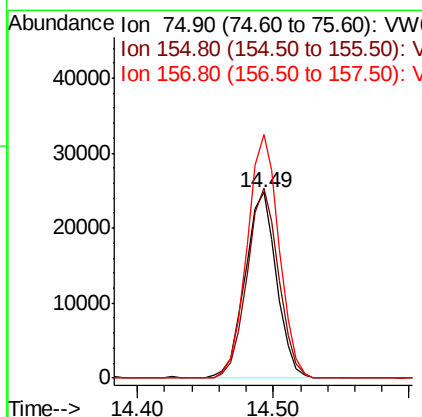
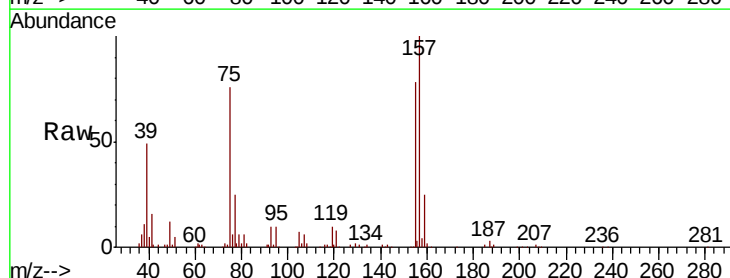
Manual Integrations
 APPROVED

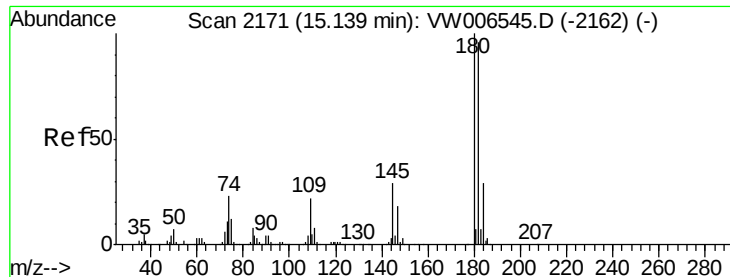
apatel
 11/2/2018 3:20:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 99.121 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.7	50.6	151.8
157	132.3	65.0	195.0





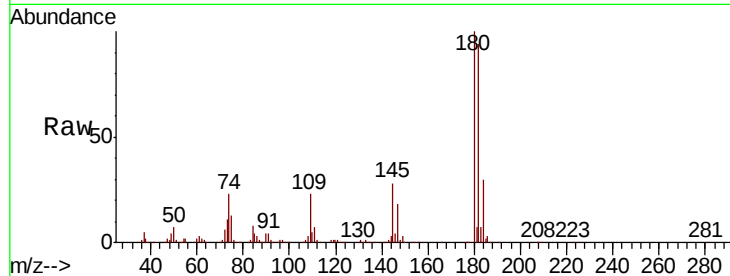
#93
 1,2,4-Trichlorobenzene
 Concen: 92.727 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

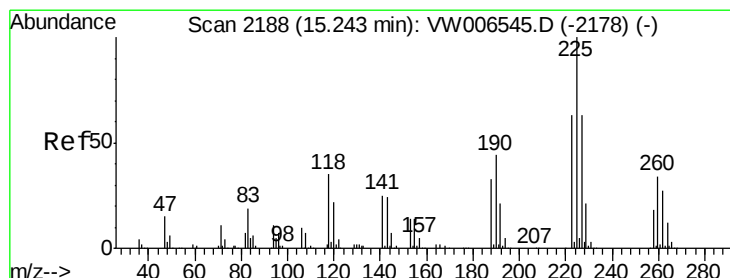
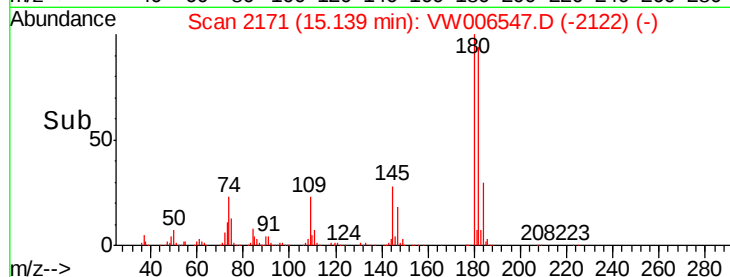
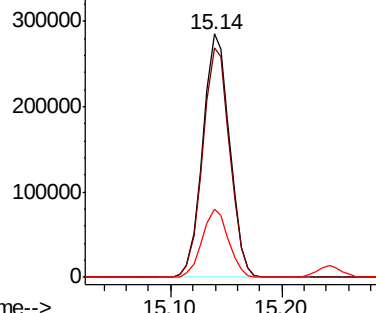
Tot Ion	Ratio	Resp	Lower	Upper
180	100	473517		
182	95.2	47.5	142.6	
145	27.8	14.0	42.0	

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:20:12 PM

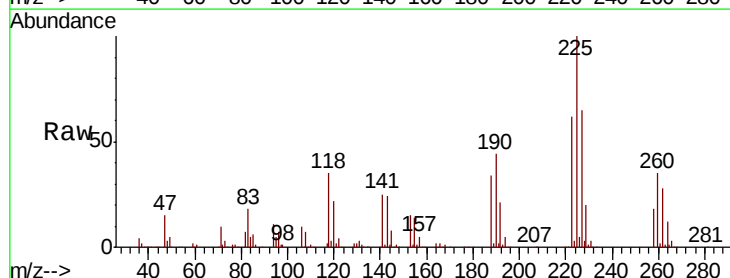


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

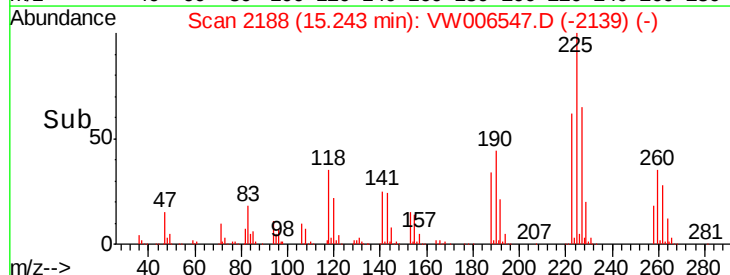
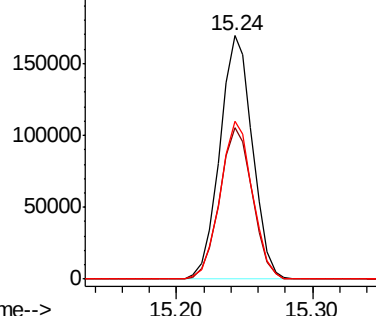


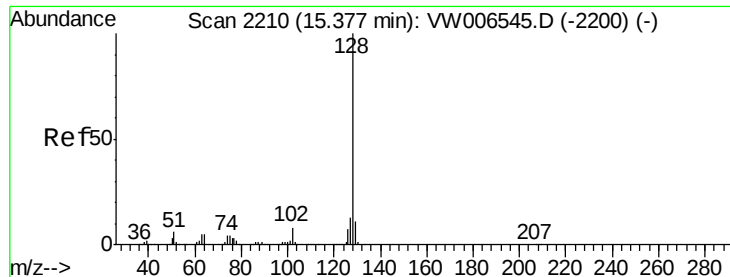
#94
 Hexachlorobutadiene
 Concen: 89.020 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW006547.D
 Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	283739		
223	62.4	31.4	94.2	
227	64.4	32.2	96.6	



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





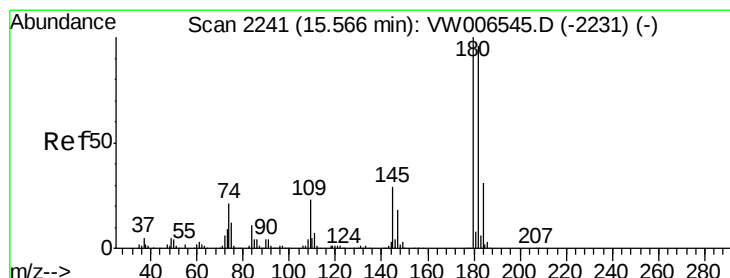
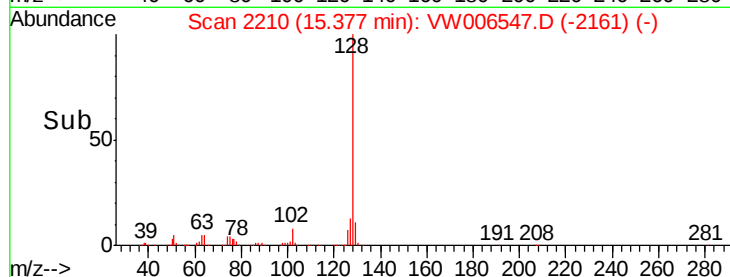
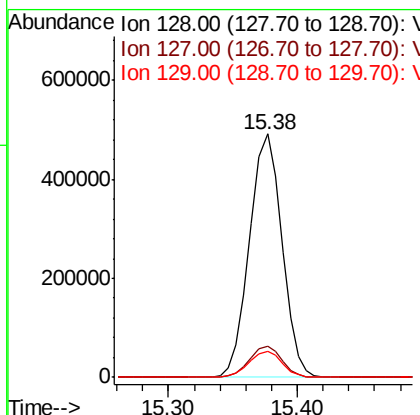
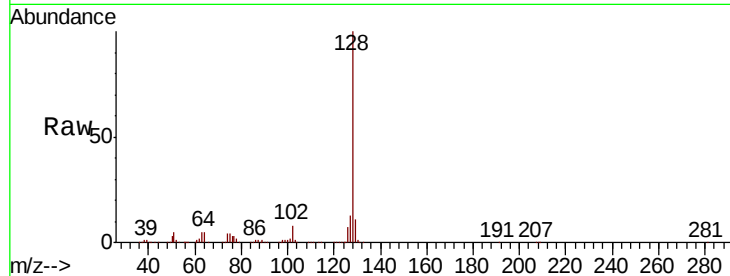
#95
Naphthalene
Concen: 101.364 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.7	13.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:20:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 94.791 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW006547.D
Acq: 01 Nov 2018 01:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.2	144.6
145	30.0	14.9	44.5

