

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120618\
 Data File : VW007283.D
 Acq On : 06 Dec 2018 17:22
 Operator : SY/AP
 Sample : VW1206SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:19:56 PM

Quant Time: Dec 06 17:57:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	95756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	142428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45855	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
35) Dibromofluoromethane	7.88	113	43791	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
50) Toluene-d8	10.32	98	189193	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	66406	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23826	22.742	ug/l	98
3) Chloromethane	2.22	50	24895	18.764	ug/l	99
4) Vinyl Chloride	2.36	62	17343	20.878	ug/l	100
5) Bromomethane	2.75	94	10498	25.220	ug/l	97
6) Chloroethane	2.91	64	9534	20.455	ug/l	98
7) Trichlorofluoromethane	3.26	101	34937	21.572	ug/l	97
8) Diethyl Ether	3.69	74	8703	19.279	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	20687	21.145	ug/l	99
10) Methyl Iodide	4.27	142	13272	15.925	ug/l	99
11) Tert butyl alcohol	5.17	59	7298	72.305	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	18400	20.069	ug/l	97
13) Acrolein	3.90	56	5201	83.258	ug/l	97
14) Allyl chloride	4.67	41	27910	18.992	ug/l	95
15) Acrylonitrile	5.37	53	17161	90.934	ug/l	98
16) Acetone	4.12	43	18095	85.736	ug/l	96
17) Carbon Disulfide	4.38	76	60779	20.111	ug/l	97
18) Methyl Acetate	4.68	43	8929	18.534	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	41188	19.081	ug/l	97
20) Methylene Chloride	4.92	84	24638	20.058	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	20915	20.430	ug/l	98
22) Diisopropyl ether	6.31	45	53135	20.141	ug/l	95
23) Vinyl Acetate	6.26	43	137195	95.307	ug/l	99
24) 1,1-Dichloroethane	6.22	63	34262	20.262	ug/l	100
25) 2-Butanone	7.17	43	20866	85.287	ug/l	95
26) 2,2-Dichloropropane	7.17	77	34011	20.931	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	21948	19.999	ug/l	98
28) Bromochloromethane	7.52	49	12195	20.001	ug/l	98
29) Tetrahydrofuran	7.53	42	13305	88.004	ug/l	99
30) Chloroform	7.68	83	36299	20.656	ug/l	99
31) Cyclohexane	7.95	56	34406	19.447	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	35127	21.240	ug/l	99
36) 1,1-Dichloropropene	8.09	75	29957	21.616	ug/l	99
37) Ethyl Acetate	7.26	43	9608	19.166	ug/l	97
38) Carbon Tetrachloride	8.07	117	30116	21.291	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV120618\
 Data File : VW007283.D
 Acq On : 06 Dec 2018 17:22
 Operator : SY/AP
 Sample : VW1206SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Manual Integrations
 APPROVED

apatel
 12/7/2018 12:19:56 PM

Quant Time: Dec 06 17:57:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 05 01:35:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	37147	20.023	ug/l	98
40) Benzene	8.32	78	79213	20.845	ug/l	98
41) Methacrylonitrile	7.49	41	6045	20.132	ug/l	97
42) 1,2-Dichloroethane	8.40	62	22703	21.376	ug/l	100
43) Isopropyl Acetate	8.43	43	18444	18.944	ug/l	99
44) Trichloroethene	9.09	130	22934	21.470	ug/l	97
45) 1,2-Dichloropropane	9.37	63	18565	20.993	ug/l	90
46) Dibromomethane	9.46	93	9427	20.515	ug/l	98
47) Bromodichloromethane	9.65	83	25437	21.044	ug/l	95
48) Methyl methacrylate	9.44	41	9962	19.714	ug/l	99
49) 1,4-Dioxane	9.45	88	3353	417.694	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	44552	92.855	ug/l	99
52) Toluene	10.39	92	56161	21.245	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	24327	20.018	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	29950	21.029	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	13232	20.244	ug/l	96
56) Ethyl methacrylate	10.65	69	15921	18.673	ug/l	98
57) 1,3-Dichloropropane	10.93	76	22349	20.252	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	36183	105.653	ug/l	98
59) 2-Hexanone	10.97	43	30100	86.540	ug/l	98
60) Dibromochloromethane	11.13	129	16075	20.010	ug/l	96
61) 1,2-Dibromoethane	11.23	107	12974	20.695	ug/l	92
64) Tetrachloroethene	10.87	164	20778	21.621	ug/l	91
65) Chlorobenzene	11.66	112	57915	19.715	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.73	131	18990	20.932	ug/l	99
67) Ethyl Benzene	11.73	91	106787	19.945	ug/l	100
68) m/p-Xylenes	11.84	106	85897	40.895	ug/l	100
69) o-Xylene	12.16	106	39914	20.339	ug/l	93
70) Styrene	12.18	104	64144	19.968	ug/l	96
71) Bromoform	12.35	173	8666	19.082	ug/l #	97
73) Isopropylbenzene	12.47	105	110272	21.019	ug/l	99
74) N-amyl acetate	12.27	43	16905	18.174	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13210	19.388	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	8155m	16.328	ug/l	
77) Bromobenzene	12.75	156	23319	20.592	ug/l	98
78) n-propylbenzene	12.81	91	130933	20.948	ug/l	99
79) 2-Chlorotoluene	12.90	91	73419	20.801	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	94343	21.021	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	4058	17.512	ug/l	90
82) 4-Chlorotoluene	12.99	91	80373	21.405	ug/l	97
83) tert-Butylbenzene	13.21	119	83453	21.277	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	94310	20.586	ug/l	94
85) sec-Butylbenzene	13.39	105	118325	21.132	ug/l	98
86) p-Isopropyltoluene	13.50	119	107477	21.562	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	47781	20.553	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	49324	21.005	ug/l	98
89) n-Butylbenzene	13.83	91	96387	20.694	ug/l	99
90) Hexachloroethane	14.10	117	15345	20.202	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	43939	21.833	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2295	17.388	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007283.D
Acq On : 06 Dec 2018 17:22
Operator : SY/AP
Sample : VW1206SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM

Quant Time: Dec 06 17:57:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	28777	20.633	ug/l	98
94) Hexachlorobutadiene	15.24	225	16860	22.417	ug/l	97
95) Naphthalene	15.38	128	47042	18.820	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	23461	19.949	ug/l	99

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

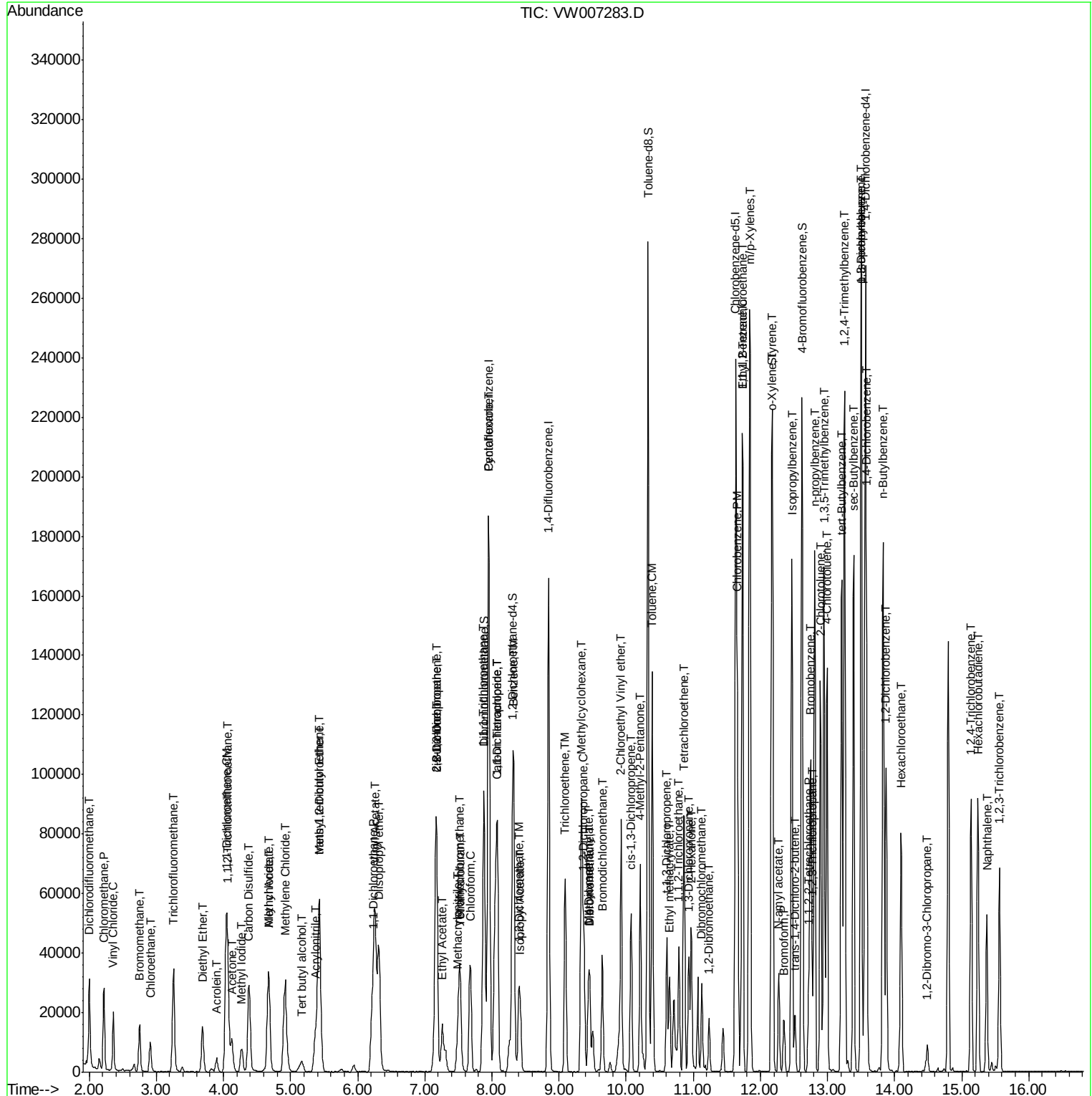
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW120618\
Data File : VW007283.D
Acq On : 06 Dec 2018 17:22
Operator : SY/AP
Sample : VW1206SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

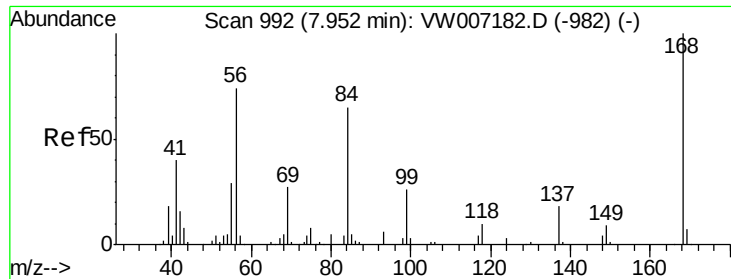
Instrument :
MSVOA_W
Client Sampled :
VW1206SBS01

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM

Quant Time: Dec 06 17:57:20 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W120418S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 05 01:35:23 2018
Response via : Initial Calibration





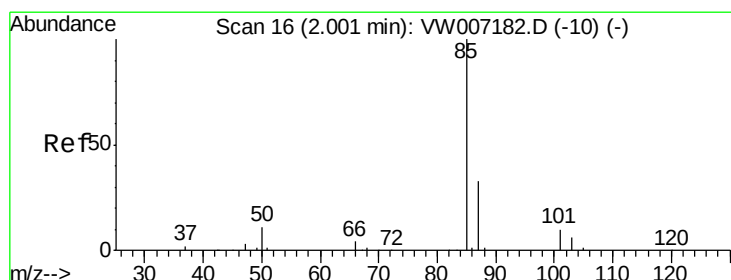
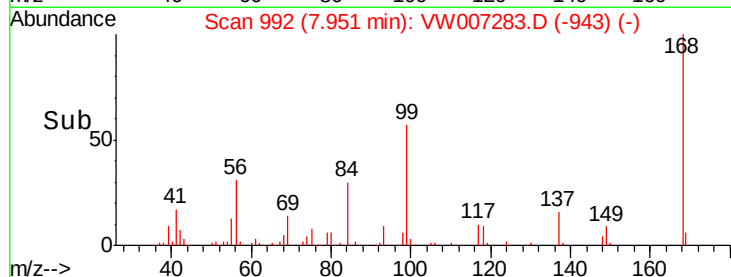
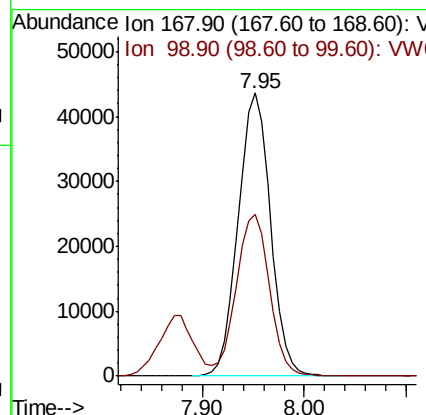
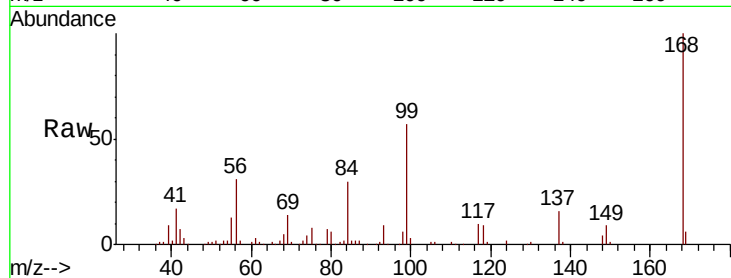
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion:168 Resp: 95756
Ion Ratio Lower Upper
168 100
99 56.9 47.8 71.8

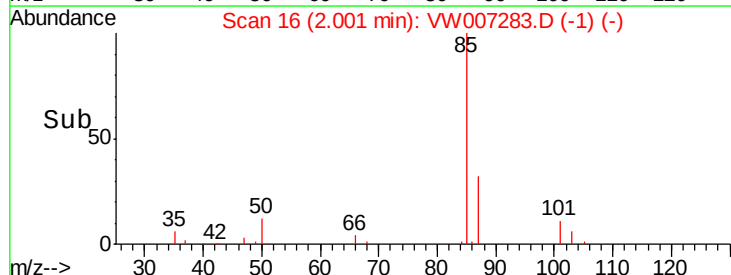
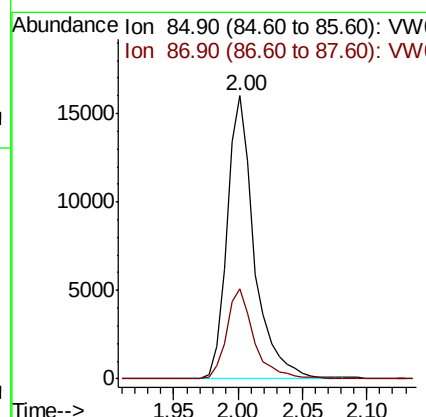
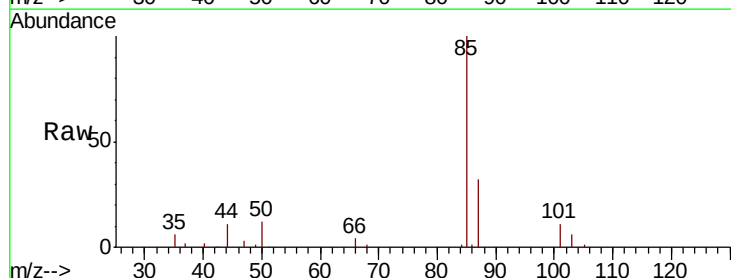
Manual Integrations
APPROVED

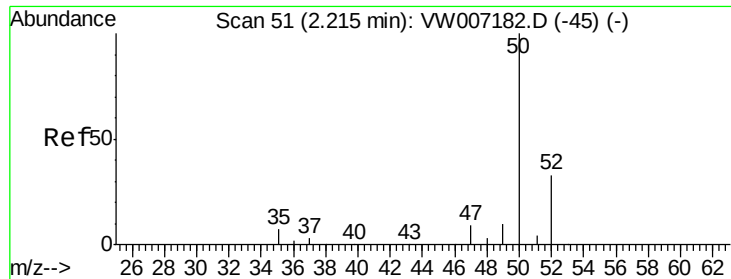
apatel
12/7/2018 12:19:56 PM



#2
Dichlorodifluoromethane
Concen: 22.742 ug/l
RT: 2.00 min Scan# 16
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 85 Resp: 23826
Ion Ratio Lower Upper
85 100
87 31.7 16.5 49.5





#3

Chloromethane

Concen: 18.764 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleId :

VW1206SBS01

Tot Ion: 50 Resp: 24895

Ion Ratio Lower Upper

50 100

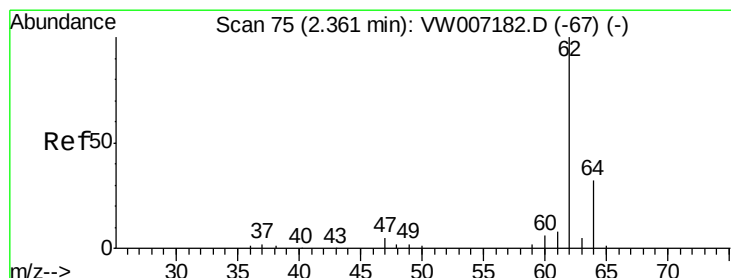
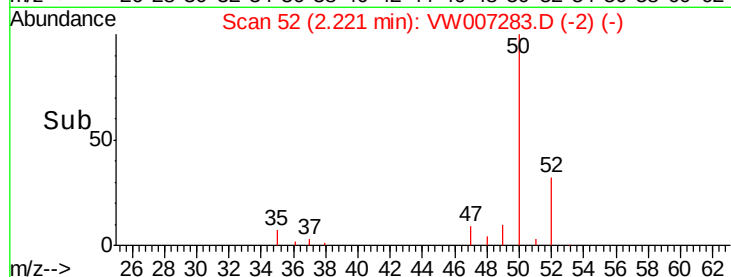
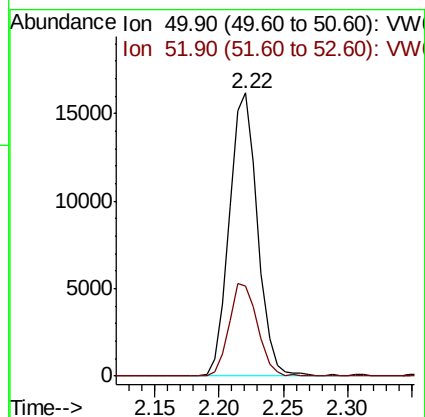
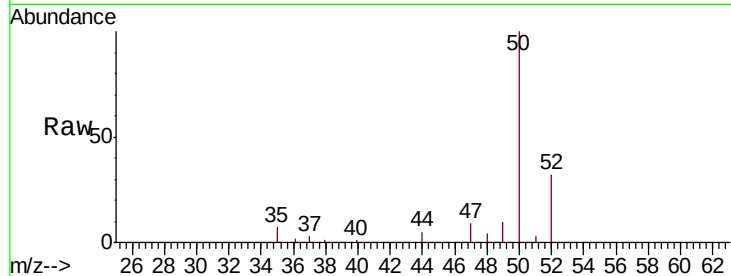
52 31.9 26.2 39.2

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#4

Vinyl Chloride

Concen: 20.878 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW007283.D

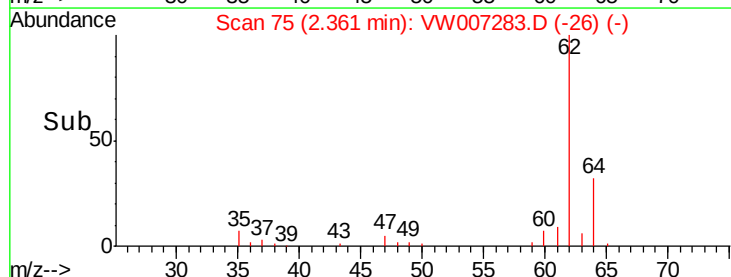
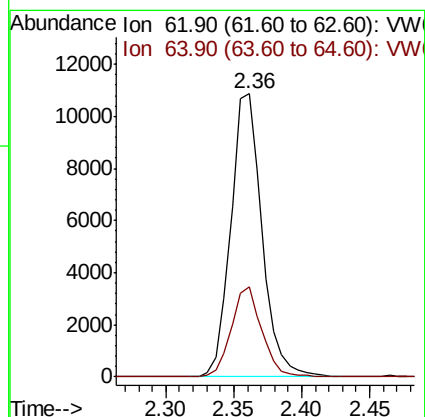
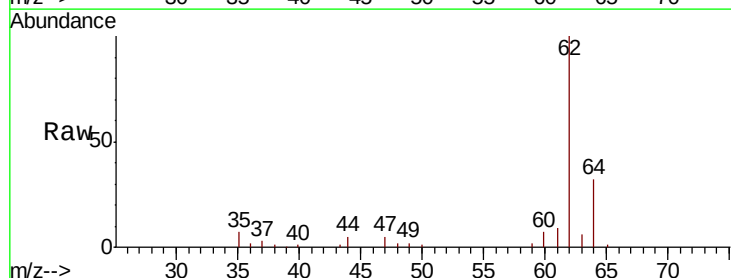
Acq: 06 Dec 2018 17:22

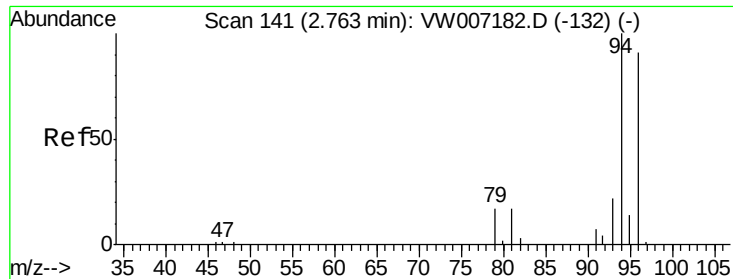
Tgt Ion: 62 Resp: 17343

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 25.220 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleId :

VW1206SBS01

Tot Ion: 94 Resp: 10498

Ion Ratio Lower Upper

94 100

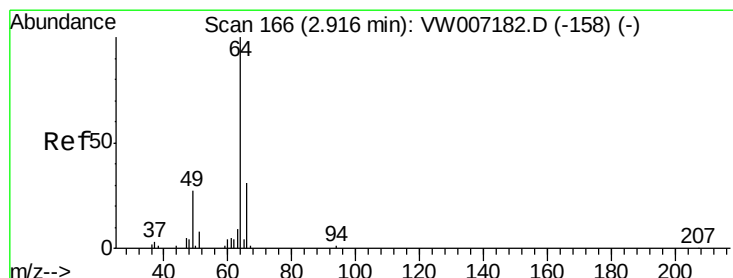
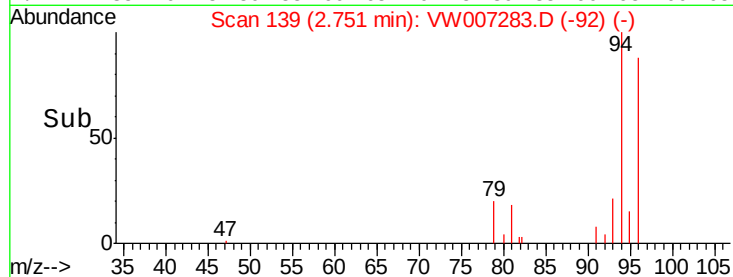
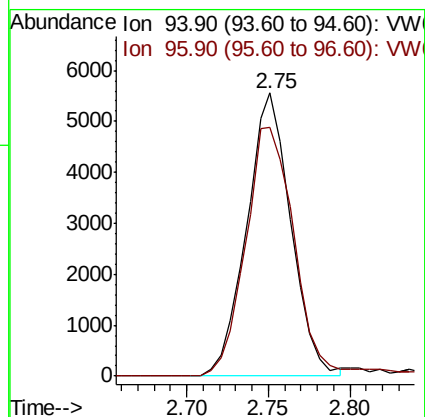
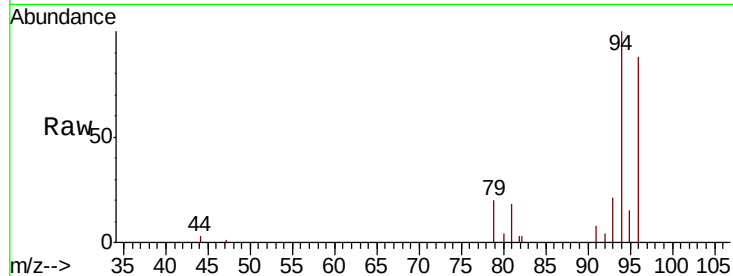
96 87.9 72.8 109.2

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#6

Chloroethane

Concen: 20.455 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW007283.D

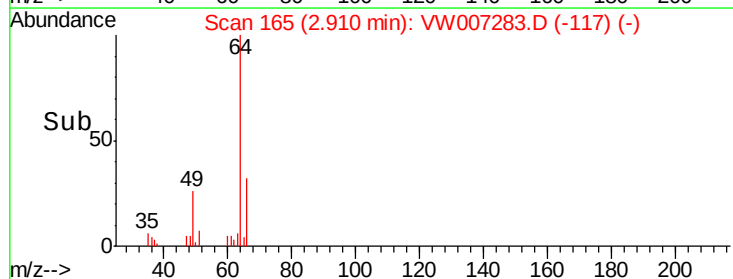
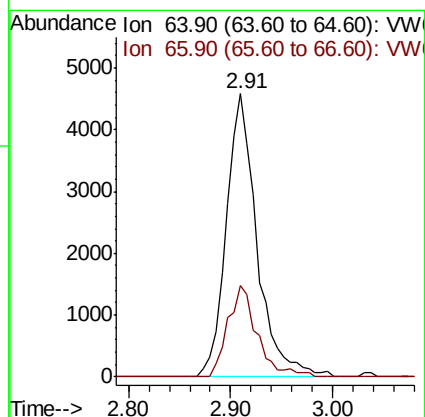
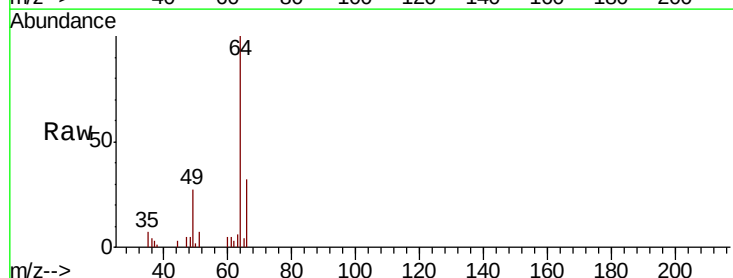
Acq: 06 Dec 2018 17:22

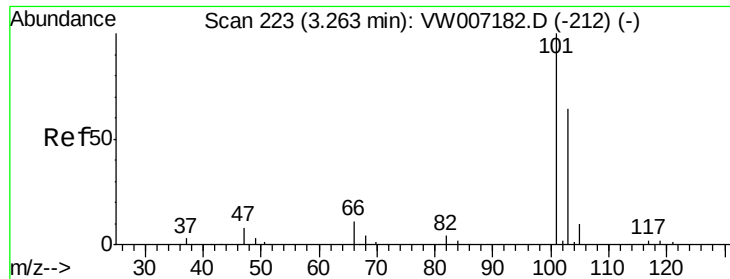
Tgt Ion: 64 Resp: 9534

Ion Ratio Lower Upper

64 100

66 32.4 25.0 37.6





#7

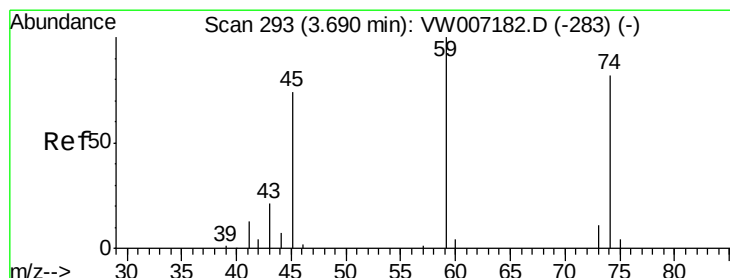
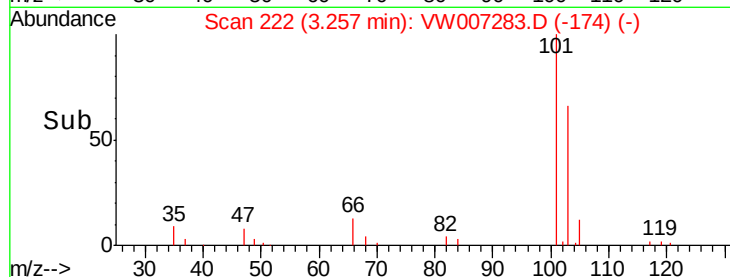
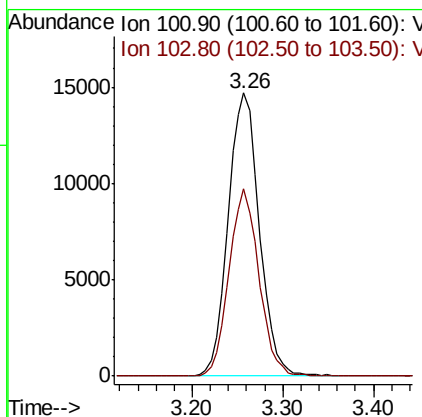
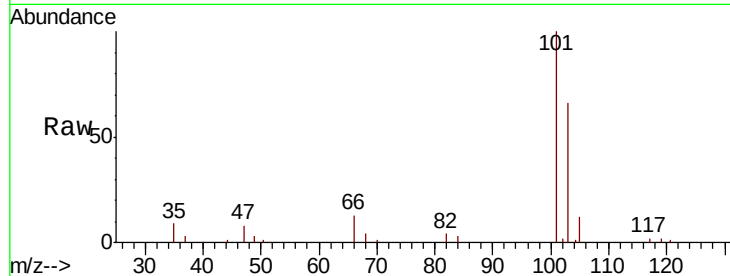
Trichlorofluoromethane
 Concen: 21.572 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	50.9	76.3

Manual Integrations
 APPROVED

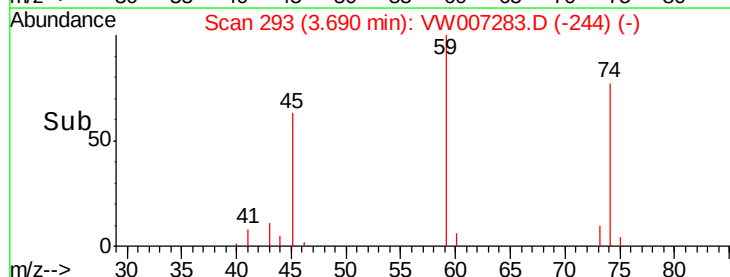
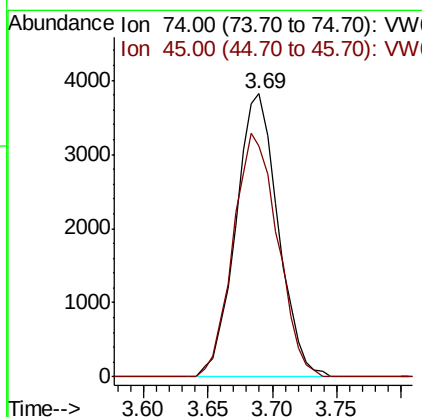
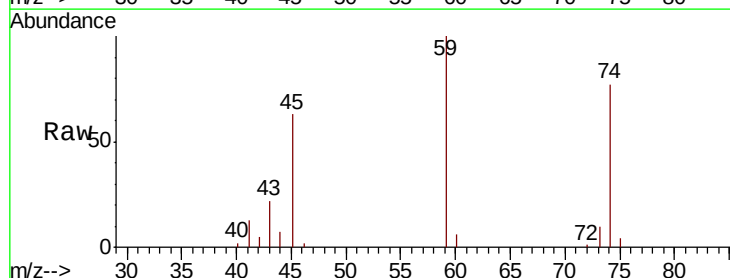
apatel
 12/7/2018 12:19:56 PM

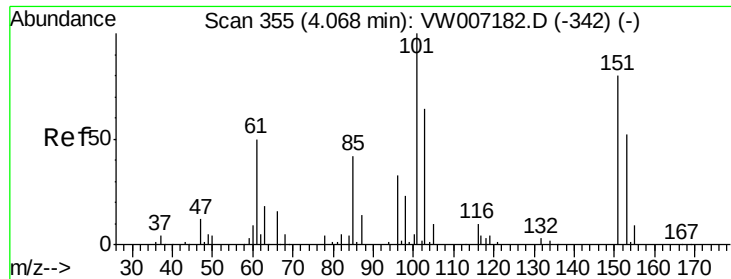


#8

Diethyl Ether
 Concen: 19.279 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.1	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.145 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

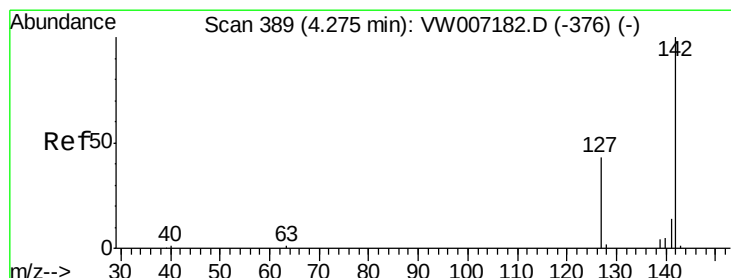
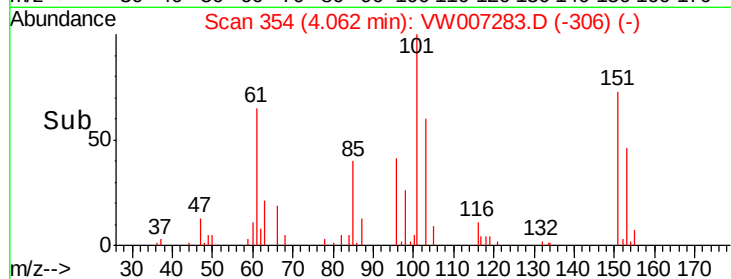
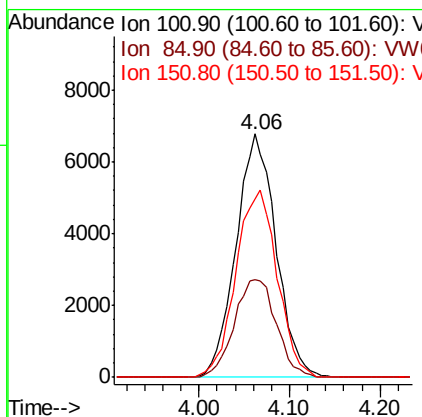
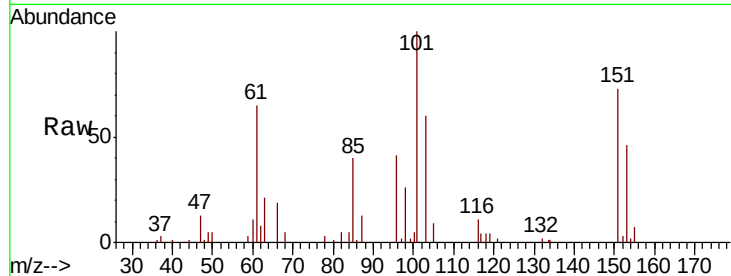
ClientSampleId :

VW1206SBS01

Tot Ion:	101	Resp:	20687
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.2
151	79.4	63.9	95.9

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM



#10

Methyl Iodide

Concen: 15.925 ug/l

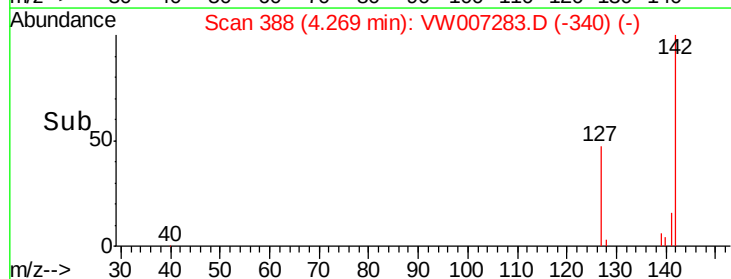
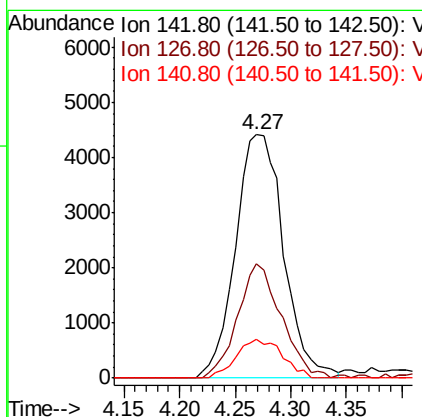
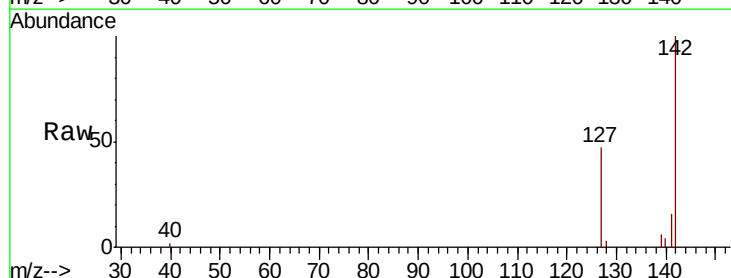
RT: 4.27 min Scan# 388

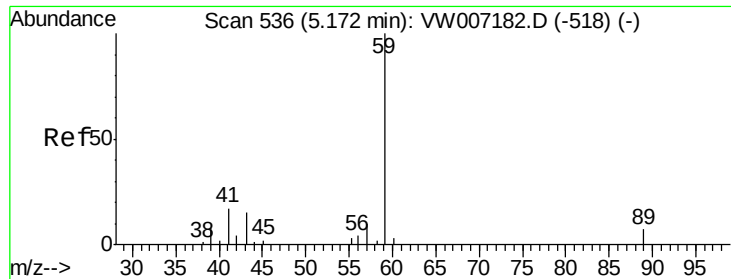
Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Tgt Ion:	142	Resp:	13272
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.9	52.3
141	15.3	11.7	17.5





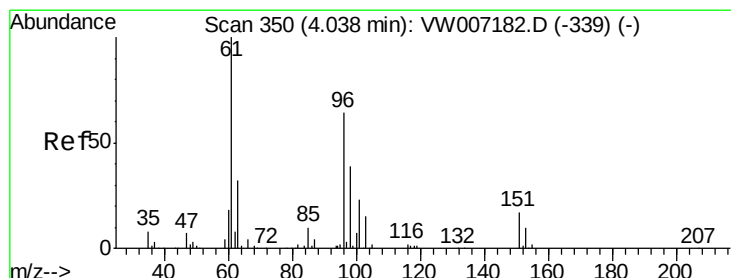
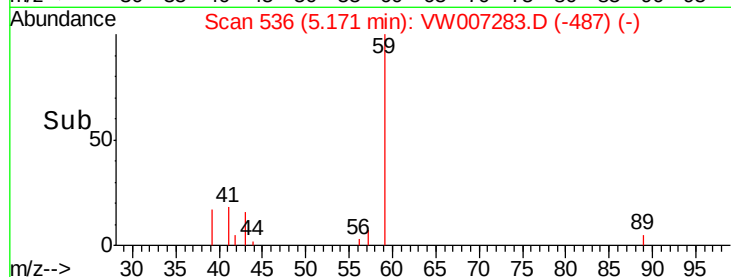
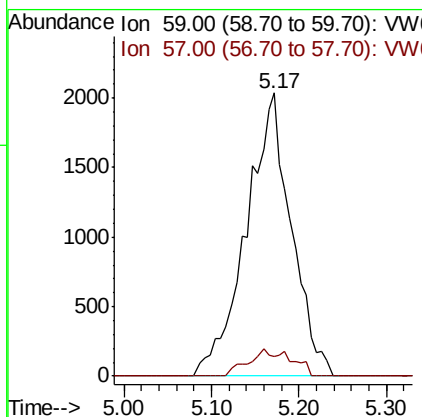
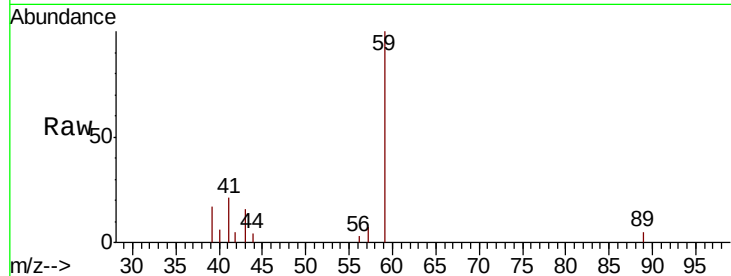
#11
Tert butyl alcohol
Concen: 72.305 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion: 59 Resp: 7298
Ion Ratio Lower Upper
59 100
57 5.3 7.1 10.7#

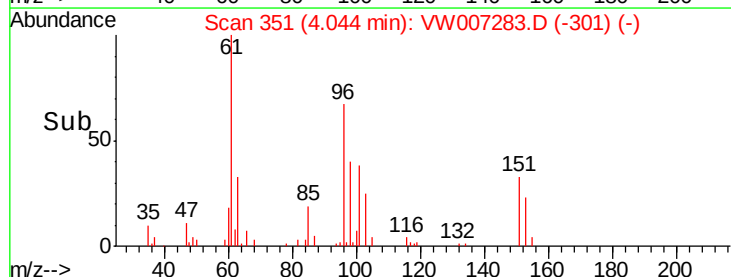
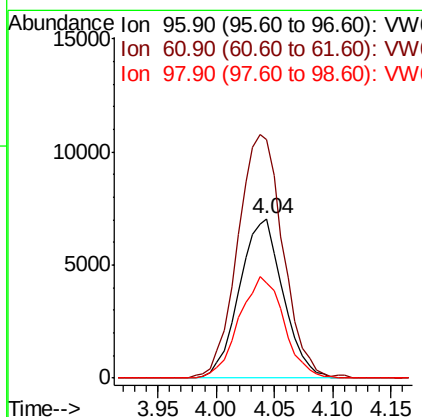
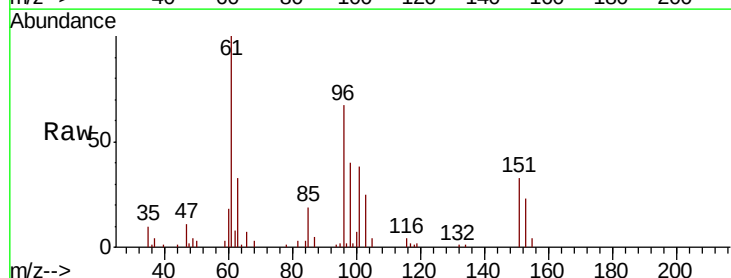
Manual Integrations
APPROVED

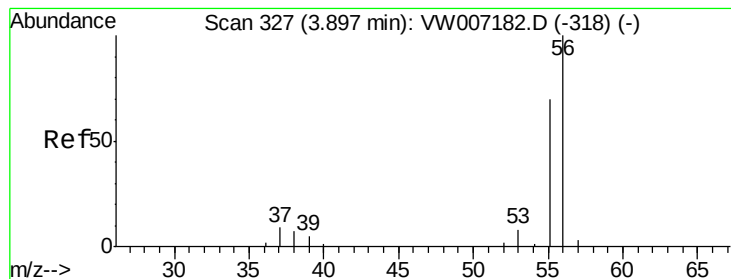
apatel
12/7/2018 12:19:56 PM



#12
1,1-Dichloroethene
Concen: 20.069 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 96 Resp: 18400
Ion Ratio Lower Upper
96 100
61 149.9 124.1 186.1
98 60.0 48.6 72.8





#13

Acrolein

Concen: 83.258 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampled :

VW1206SBS01

Tot Ion: 56 Resp: 5201

Ion Ratio Lower Upper

56 100

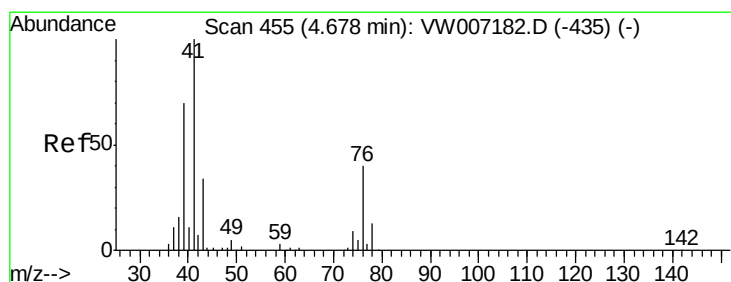
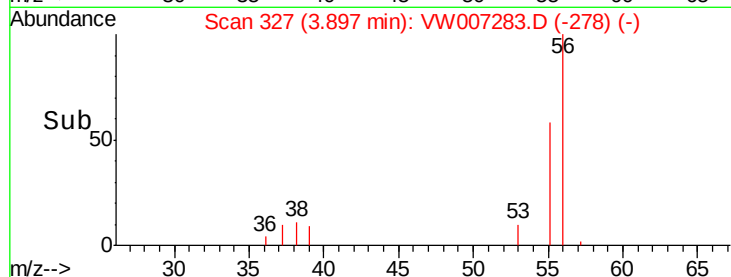
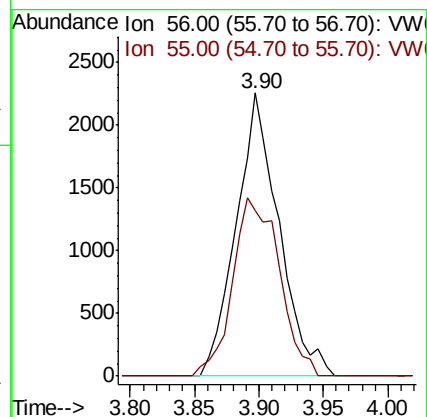
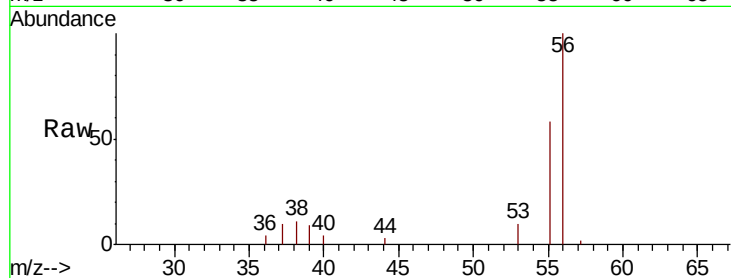
55 68.8 56.9 85.3

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#14

Allyl chloride

Concen: 18.992 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

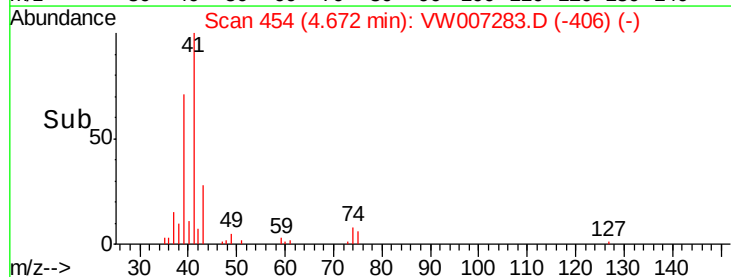
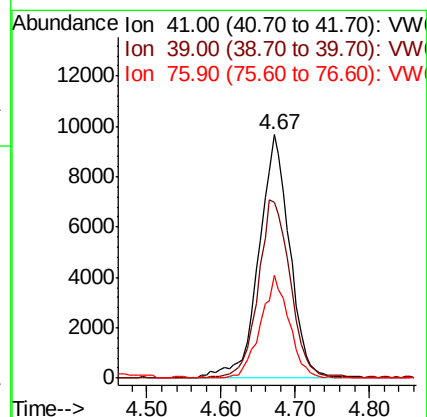
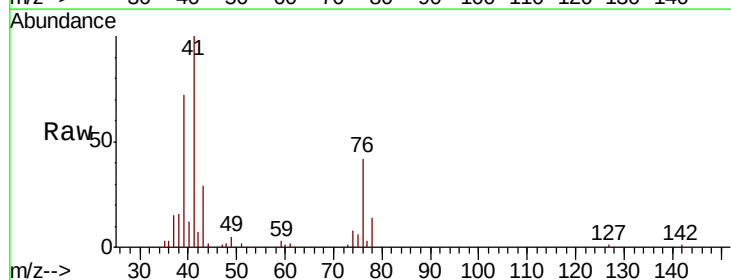
Tgt Ion: 41 Resp: 27910

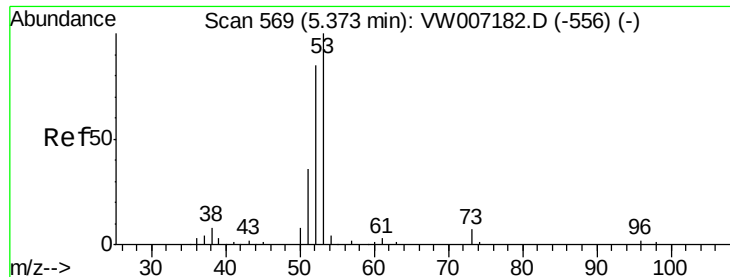
Ion Ratio Lower Upper

41 100

39 76.1 55.9 83.9

76 39.1 30.8 46.2





#15

Acrylonitrile

Concen: 90.934 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

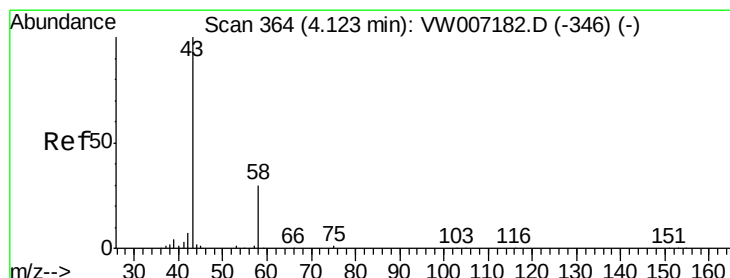
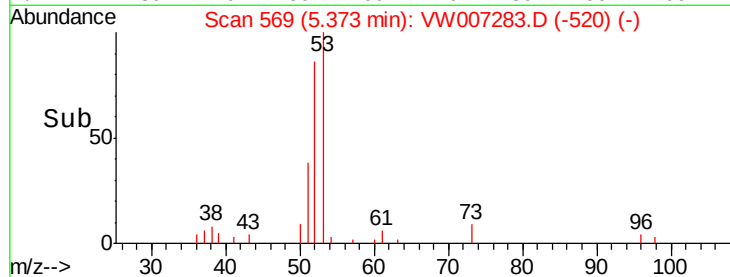
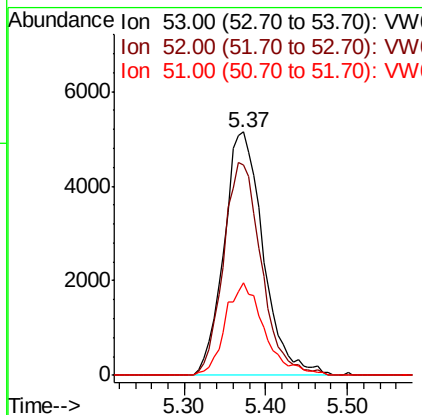
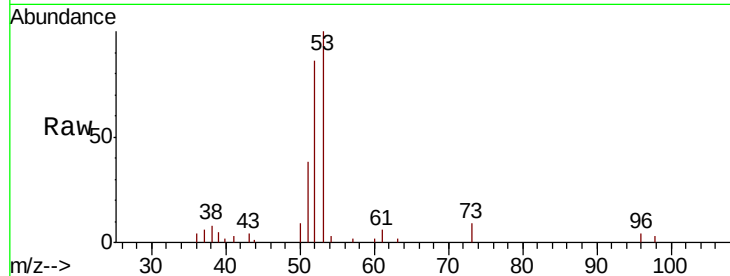
ClientSampleId :

VW1206SBS01

Tot Ion:	53	Resp:	17161
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.1	99.1
51	37.7	30.3	45.5

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM



#16

Acetone

Concen: 85.736 ug/l

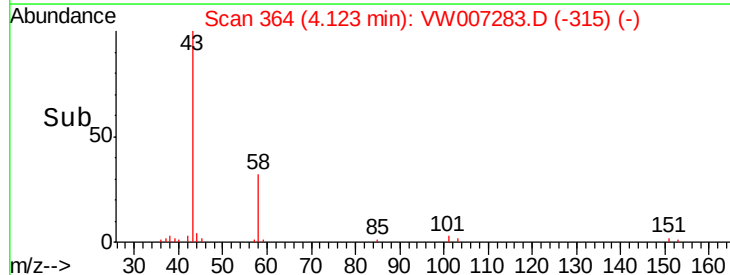
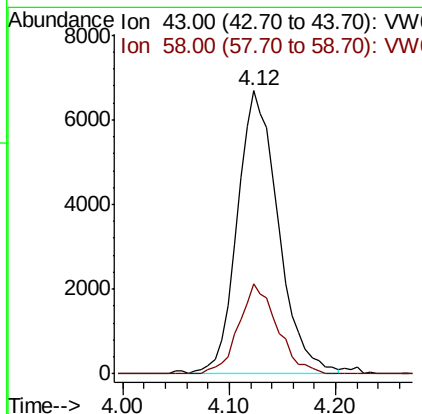
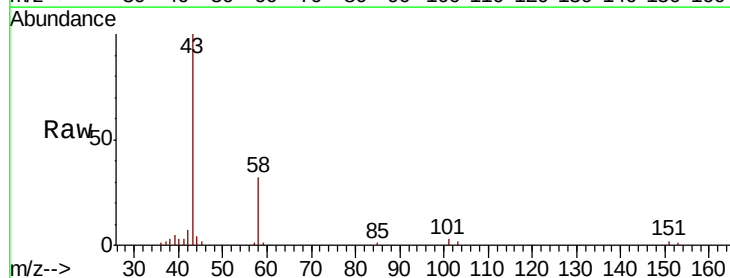
RT: 4.12 min Scan# 364

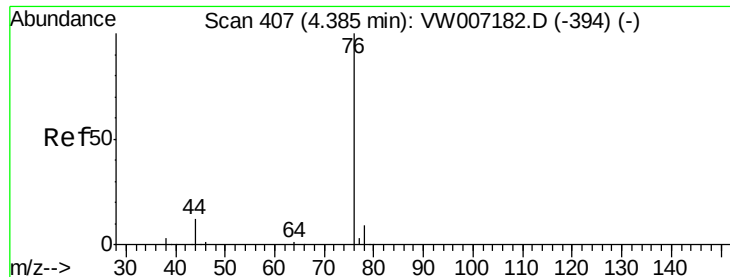
Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Tgt Ion:	43	Resp:	18095
Ion	Ratio	Lower	Upper
43	100		
58	31.9	23.8	35.8





#17

Carbon Disulfide

Concen: 20.111 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleId :

VW1206SBS01

Tot Ion: 76 Resp: 60779

Ion Ratio Lower Upper

76 100

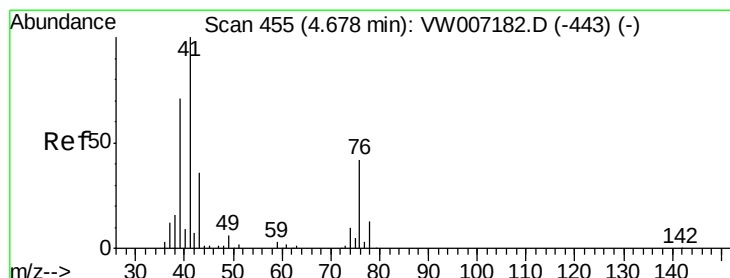
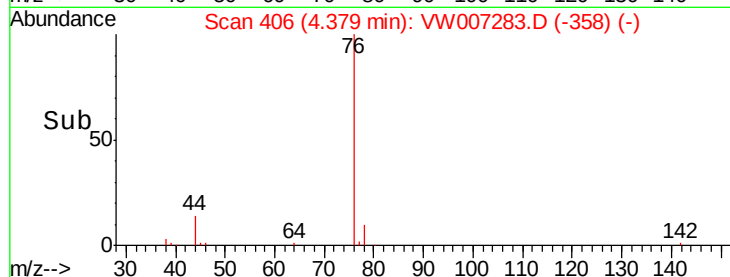
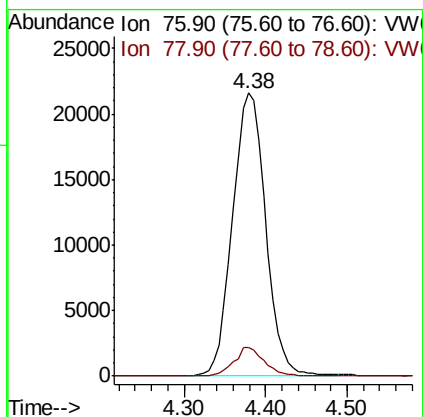
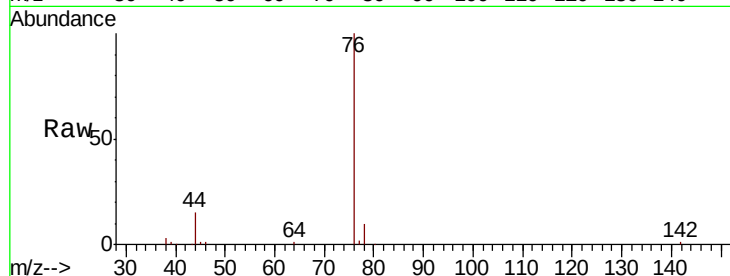
78 10.2 7.2 10.8

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#18

Methyl Acetate

Concen: 18.534 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007283.D

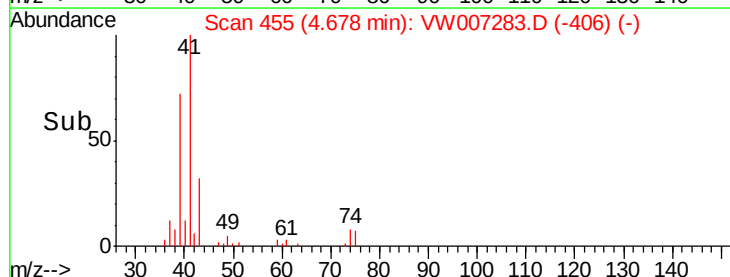
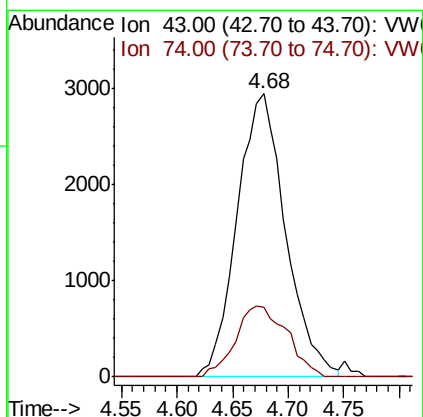
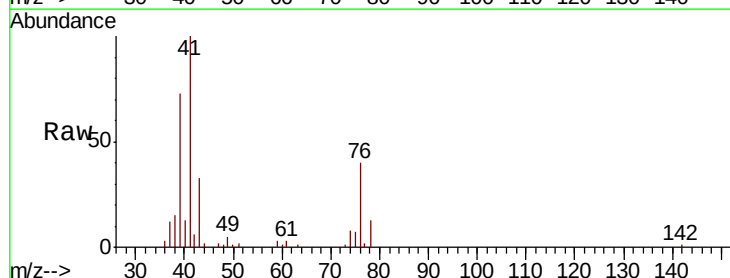
Acq: 06 Dec 2018 17:22

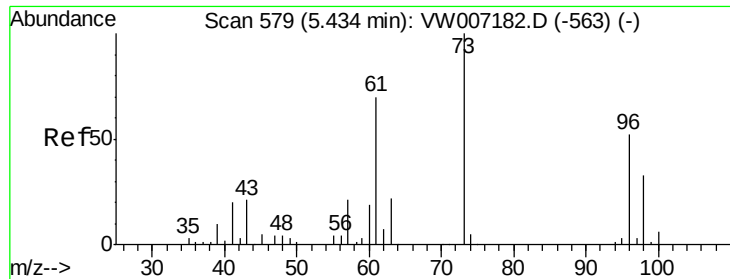
Tgt Ion: 43 Resp: 8929

Ion Ratio Lower Upper

43 100

74 26.4 20.1 30.1





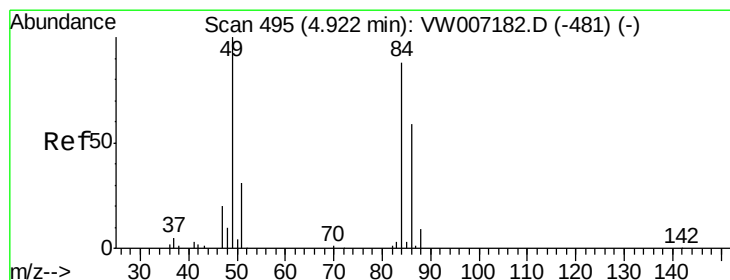
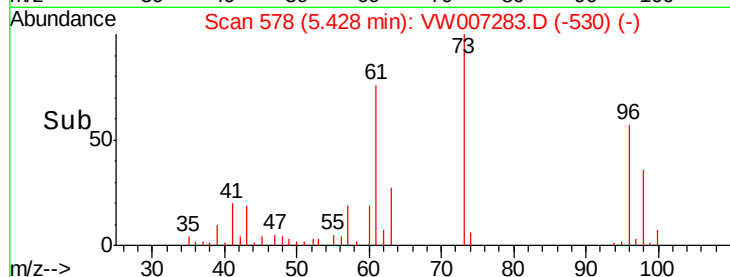
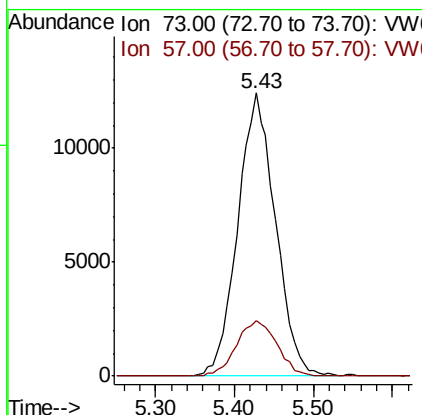
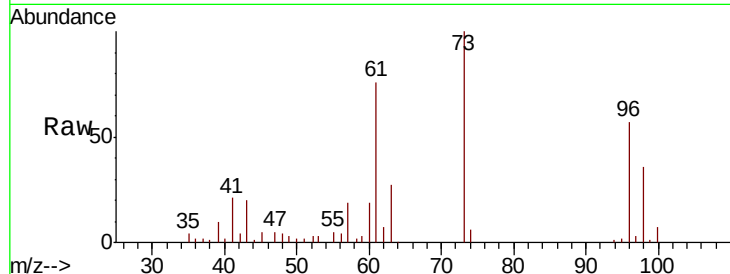
#19
Methyl tert-butyl Ether
Concen: 19.081 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion: 73 Resp: 41188
Ion Ratio Lower Upper
73 100
57 19.5 16.6 25.0

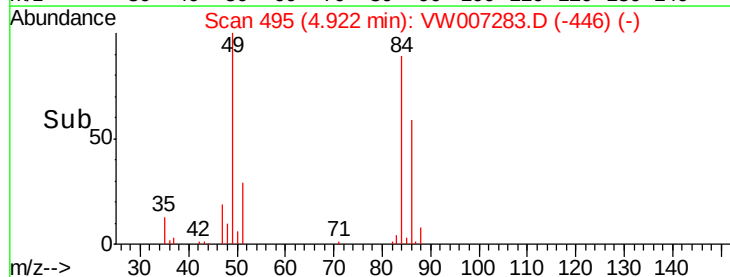
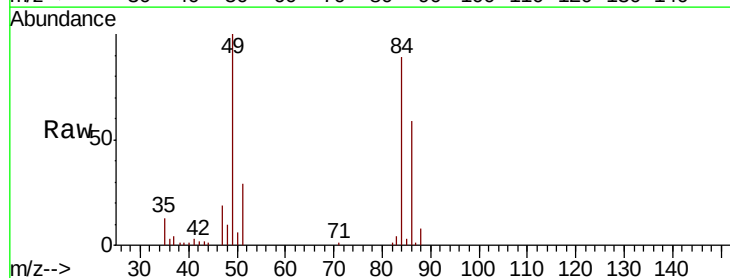
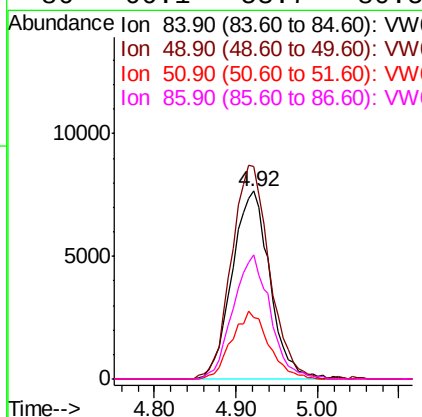
Manual Integrations
APPROVED

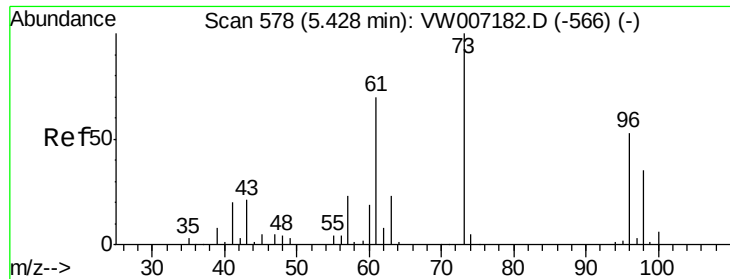
apatel
12/7/2018 12:19:56 PM



#20
Methylene Chloride
Concen: 20.058 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 84 Resp: 24638
Ion Ratio Lower Upper
84 100
49 112.9 90.6 135.8
51 33.0 27.6 41.4
86 66.1 53.7 80.5





#21

trans-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleId :

VW1206SBS01

Tot Ion: 96 Resp: 20915

Ion Ratio Lower Upper

96 100

61 133.8 105.5 158.3

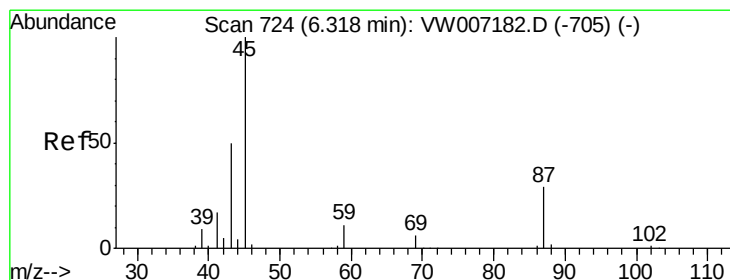
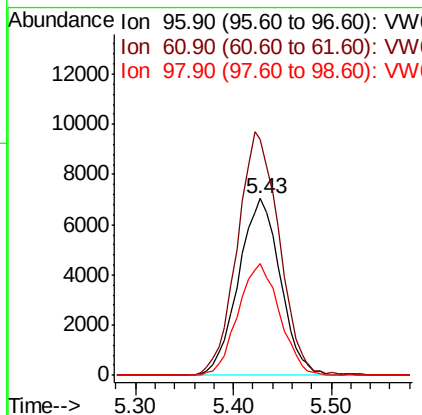
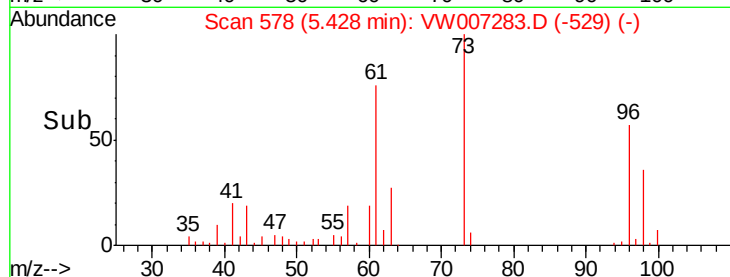
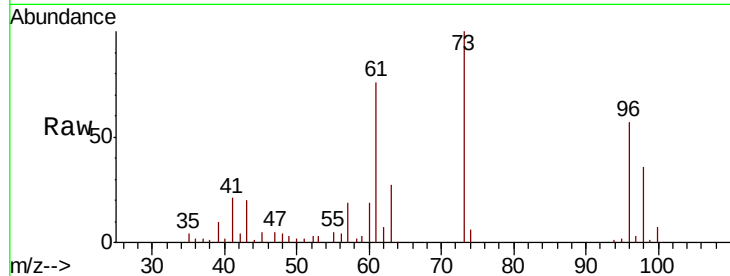
98 63.1 52.6 79.0

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#22

Diisopropyl ether

Concen: 20.141 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Tgt Ion: 45 Resp: 53135

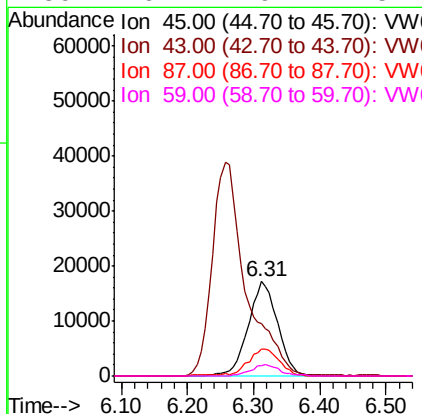
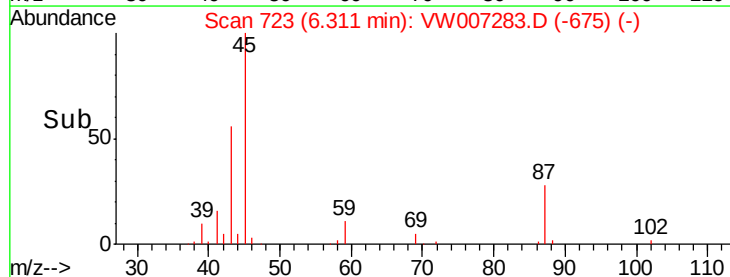
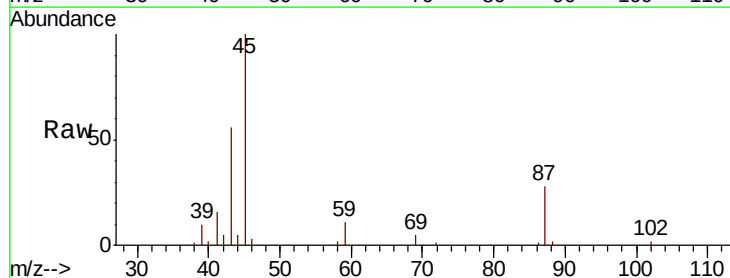
Ion Ratio Lower Upper

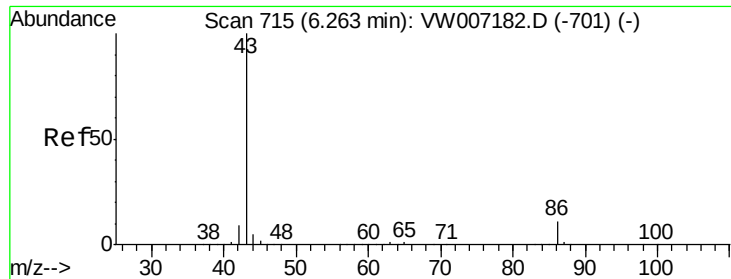
45 100

43 55.1 40.8 61.2

87 27.9 24.0 36.0

59 10.7 9.1 13.7





#23

Vinyl Acetate

Concen: 95.307 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampled :

VW1206SBS01

Tot Ion: 43 Resp: 137195

Ion Ratio Lower Upper

43 100

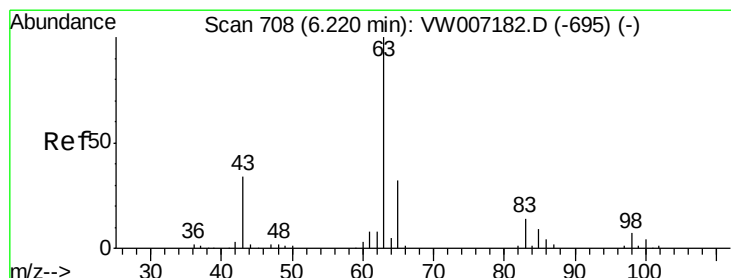
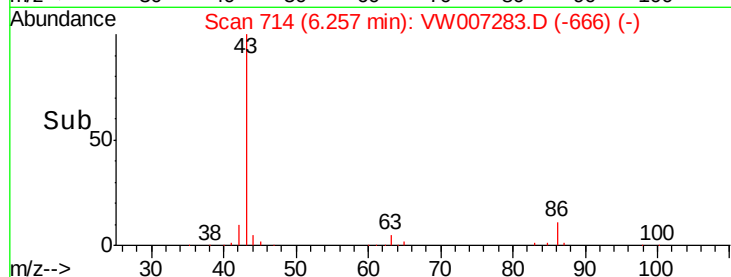
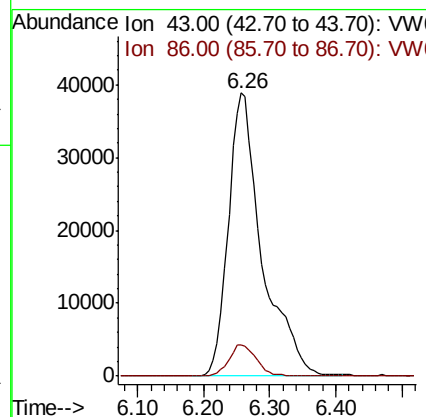
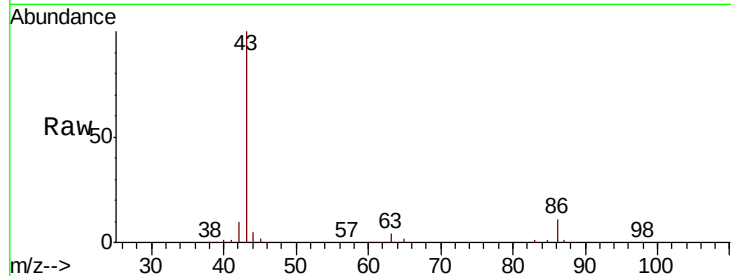
86 11.1 9.0 13.6

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#24

1,1-Dichloroethane

Concen: 20.262 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

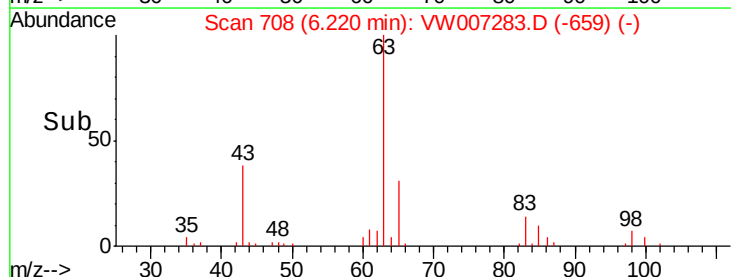
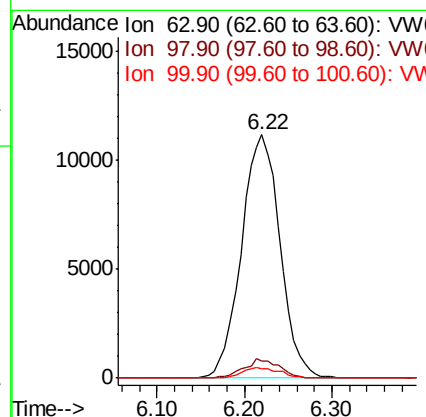
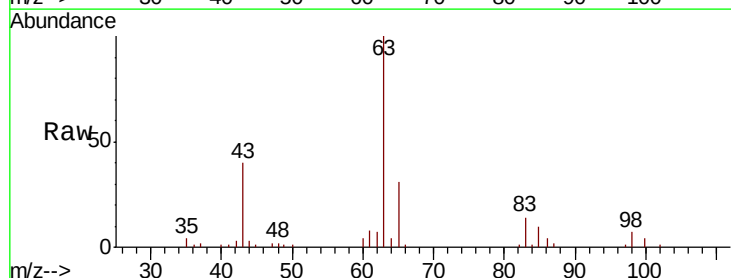
Tgt Ion: 63 Resp: 34262

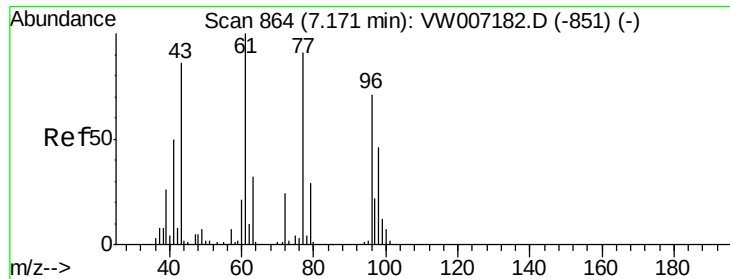
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 85.287 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampled :

VW1206SBS01

Tot Ion: 43 Resp: 20866

Ion Ratio Lower Upper

43 100

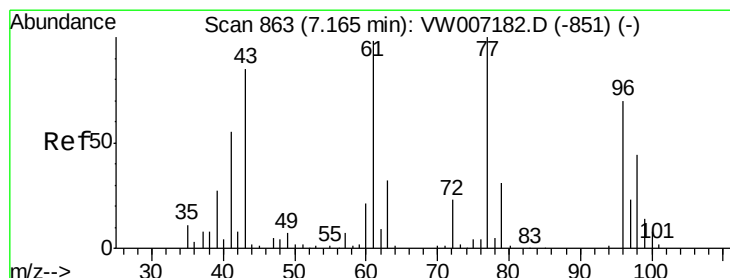
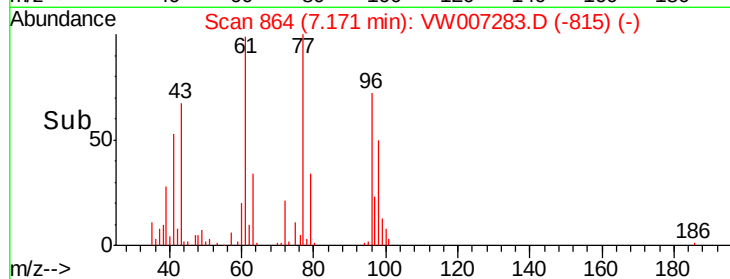
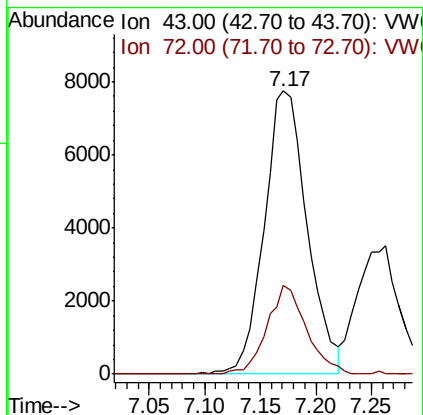
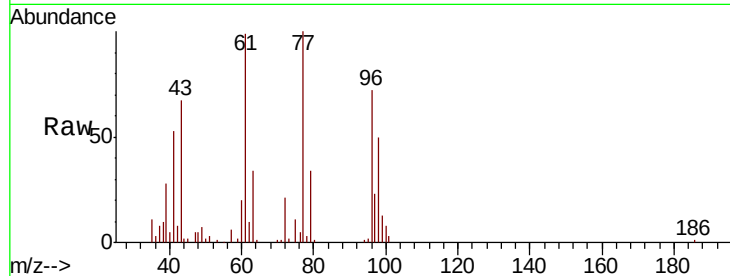
72 31.3 22.8 34.2

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#26

2,2-Dichloropropane

Concen: 20.931 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007283.D

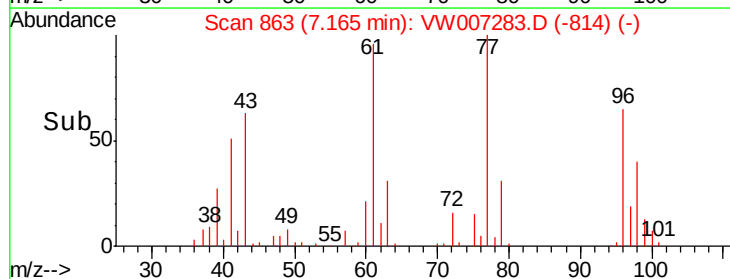
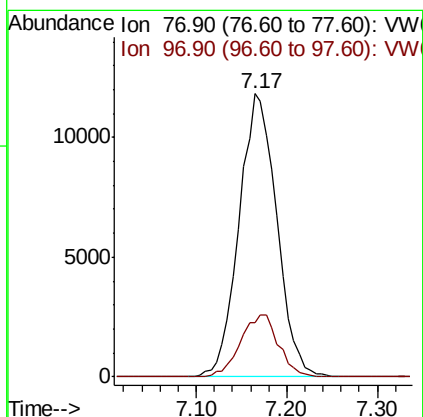
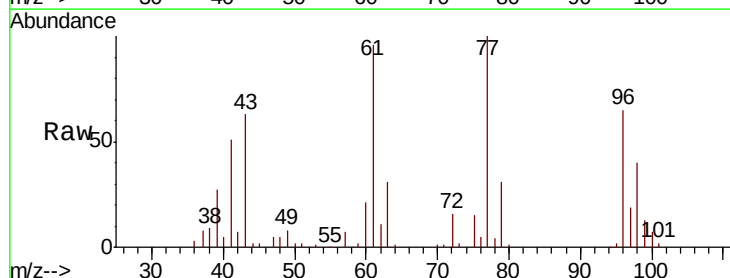
Acq: 06 Dec 2018 17:22

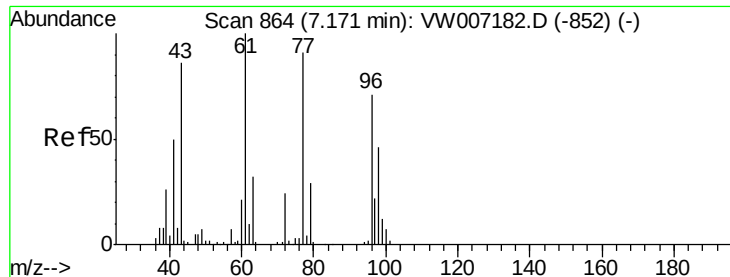
Tgt Ion: 77 Resp: 34011

Ion Ratio Lower Upper

77 100

97 22.1 11.5 34.4





#27

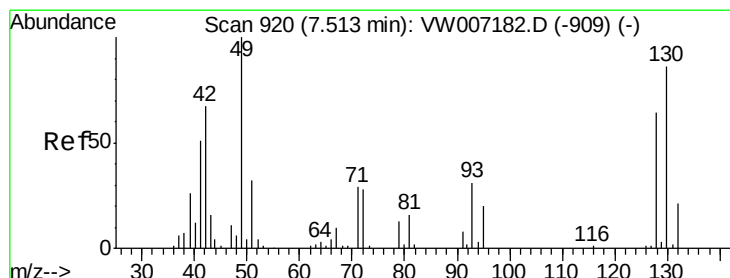
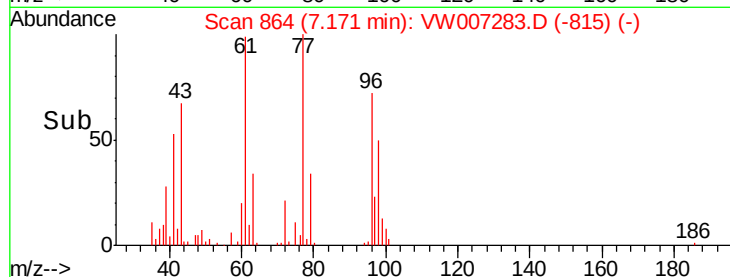
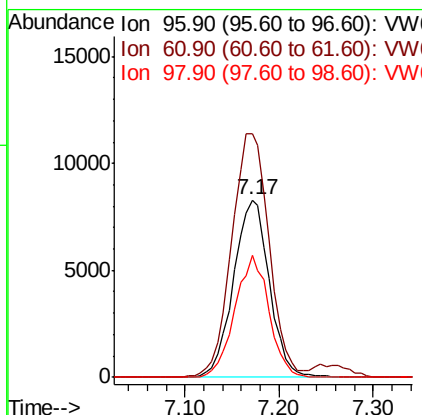
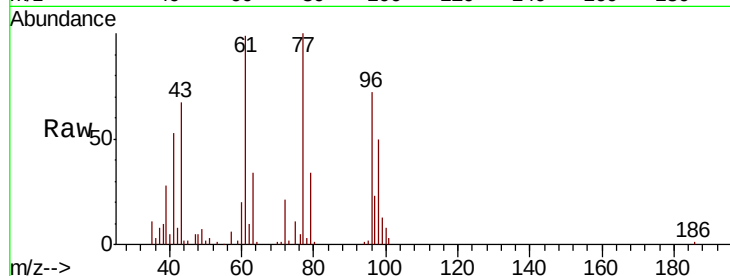
cis-1,2-Dichloroethene
 Concen: 19.999 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampled :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.2	0.0	282.4
98	65.7	0.0	129.8

Manual Integrations
 APPROVED

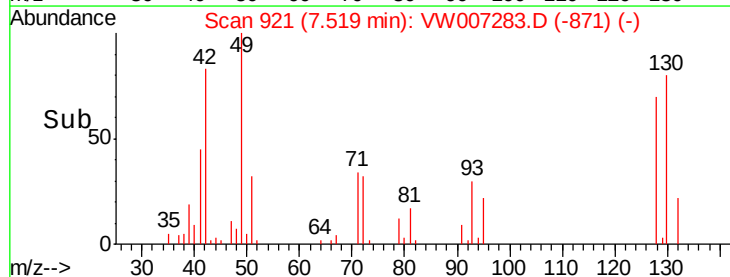
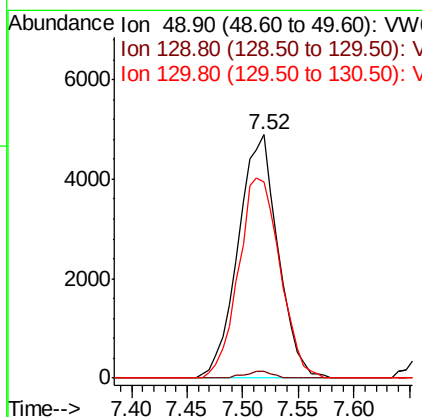
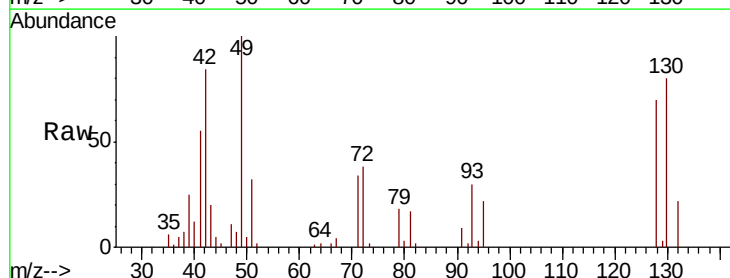
apatel
 12/7/2018 12:19:56 PM

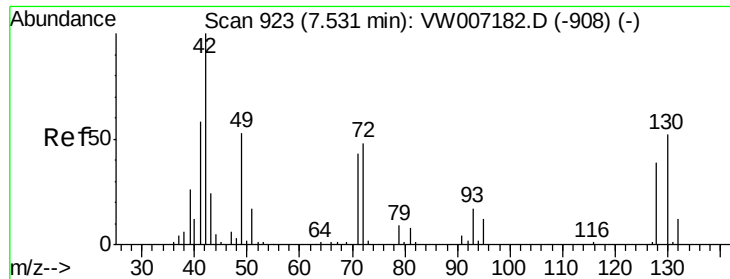


#28

Bromochloromethane
 Concen: 20.001 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	85.6	70.3	105.5





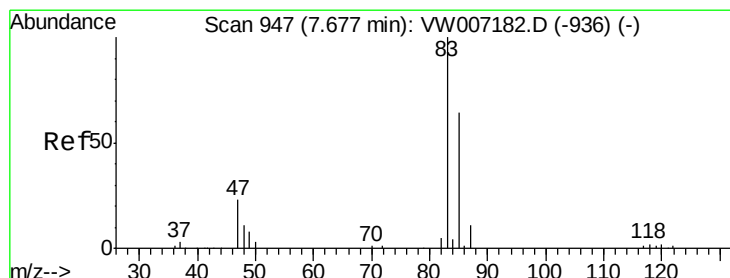
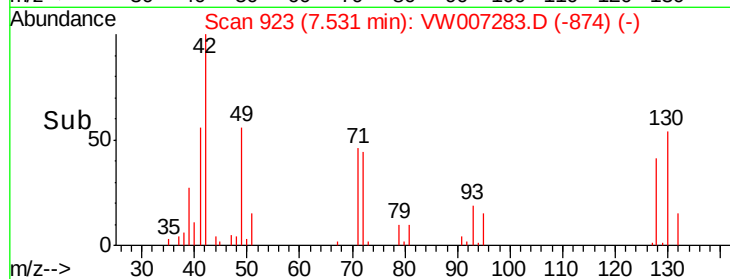
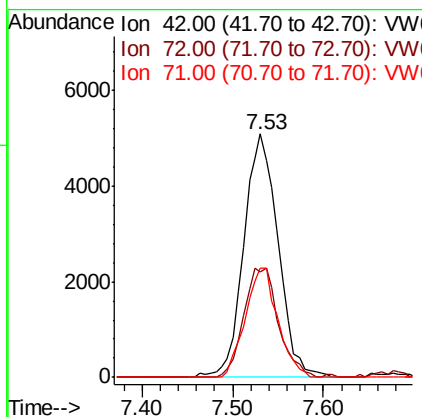
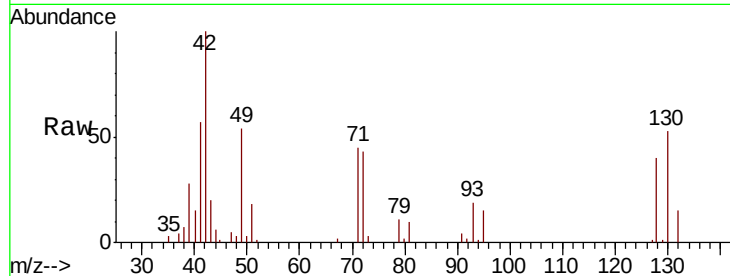
#29
Tetrahydrofuran
Concen: 88.004 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	36.6	55.0
71	42.7	34.8	52.2

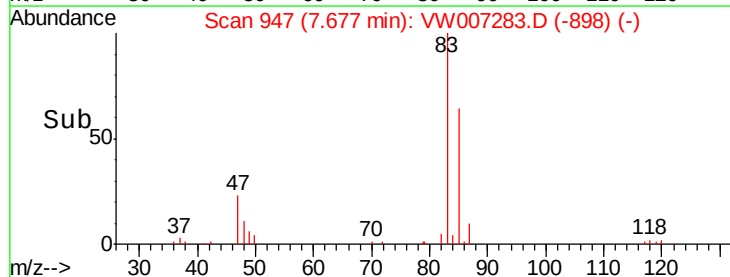
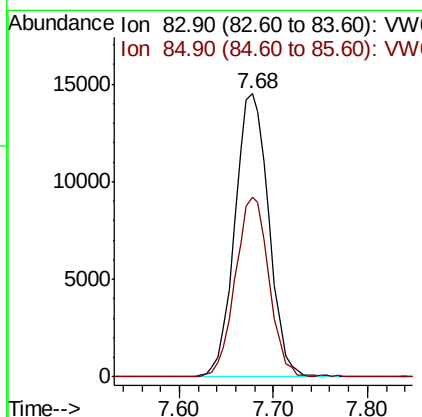
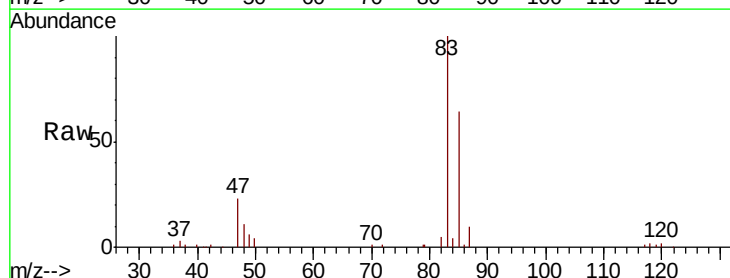
Manual Integrations
APPROVED

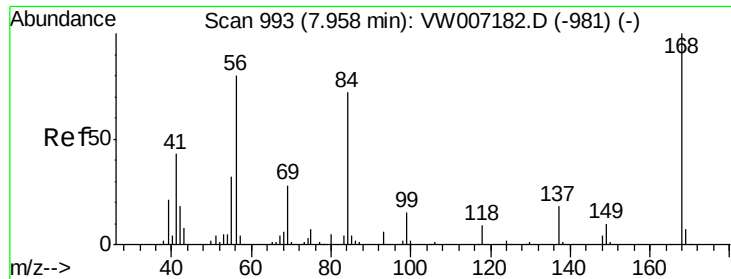
apatel
12/7/2018 12:19:56 PM



#30
Chloroform
Concen: 20.656 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





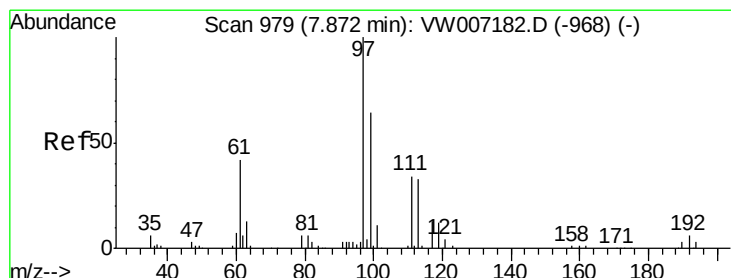
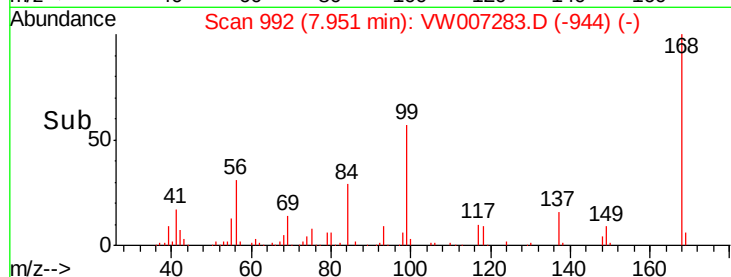
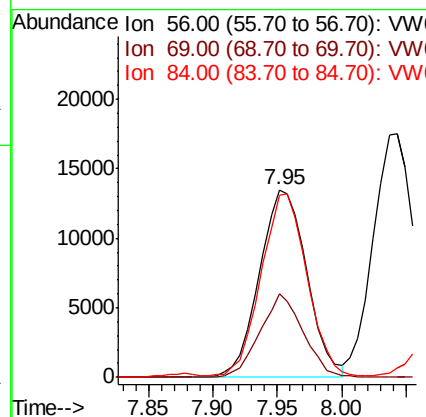
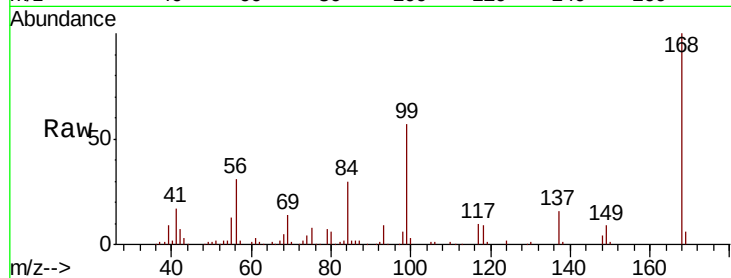
#31
Cyclohexane
Concen: 19.447 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.3	28.2	42.2#
84	95.9	72.1	108.1

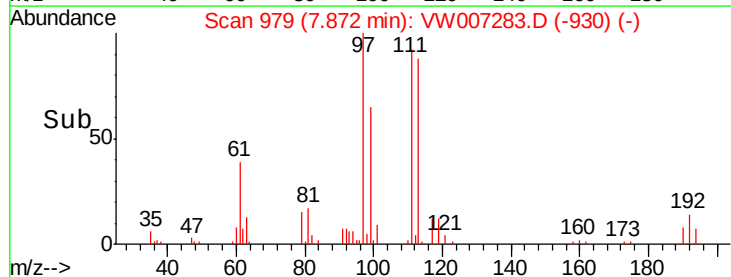
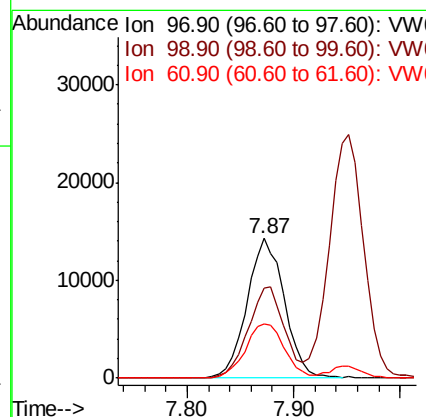
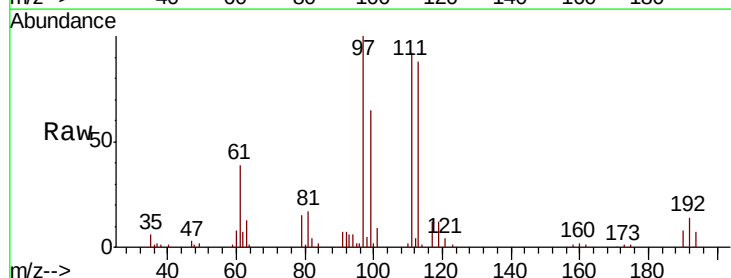
Manual Integrations
APPROVED

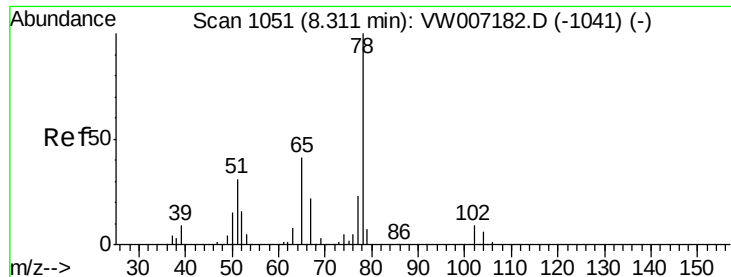
apatel
12/7/2018 12:19:56 PM



#32
1,1,1-Trichloroethane
Concen: 21.240 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	40.8	33.2	49.8





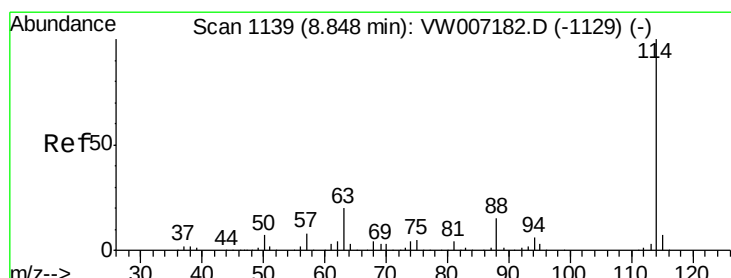
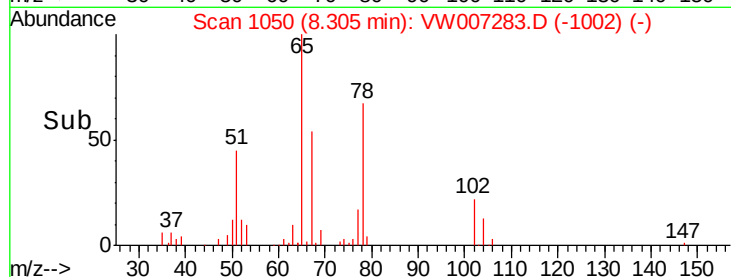
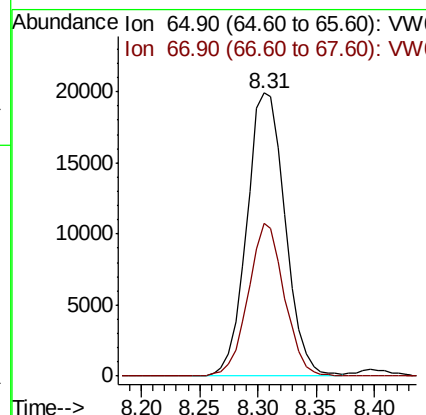
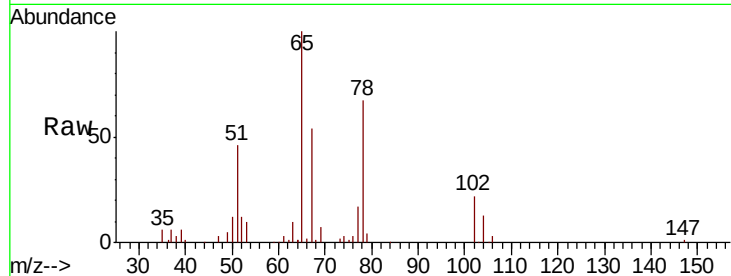
#33
 1,2-Dichloroethane-d4
 Concen: 51.434 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampled :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	106.4

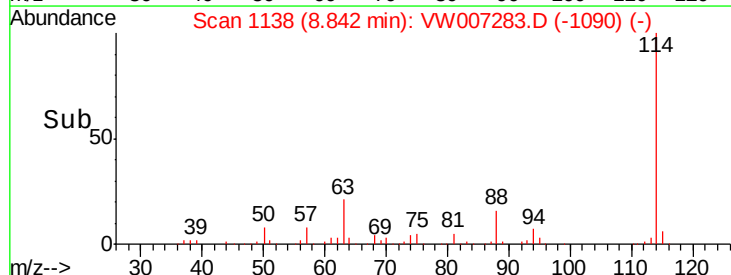
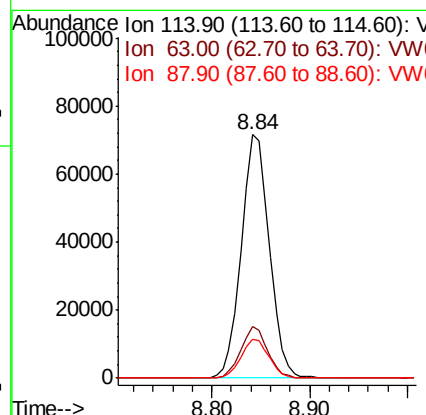
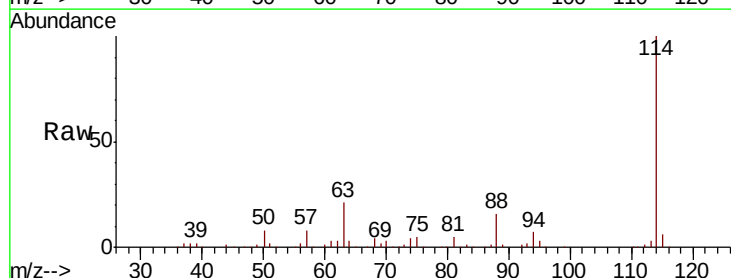
Manual Integrations
 APPROVED

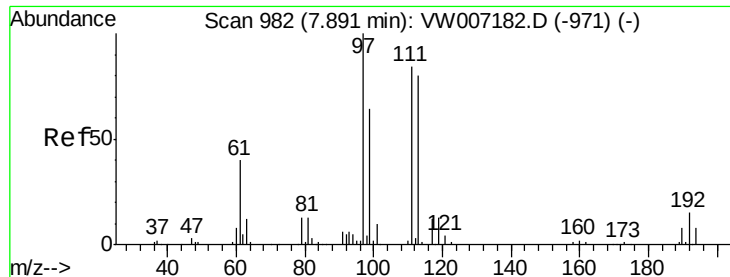
apatel
 12/7/2018 12:19:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	40.2
88	15.9	0.0	30.0





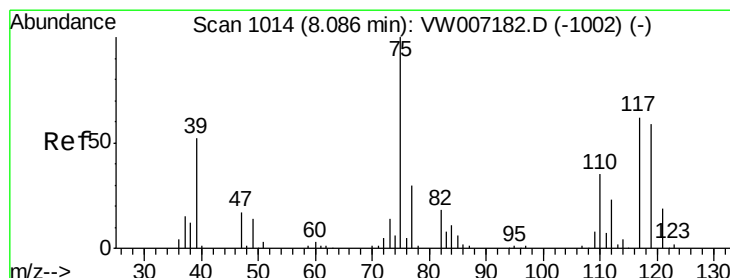
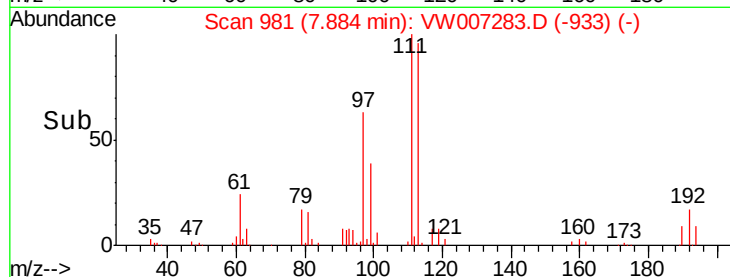
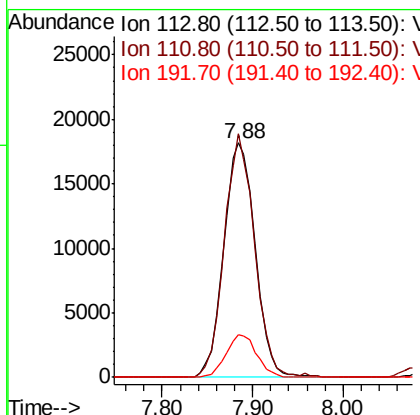
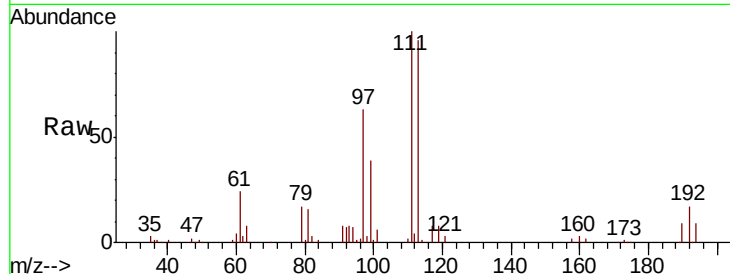
#35
 Dibromofluoromethane
 Concen: 53.696 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.1	82.2	123.4
192	17.7	14.4	21.6

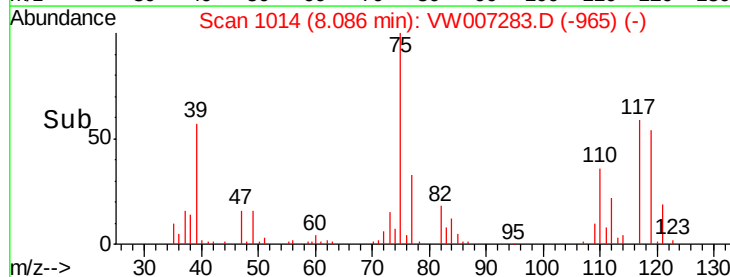
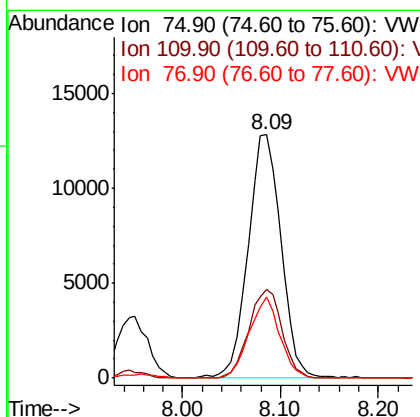
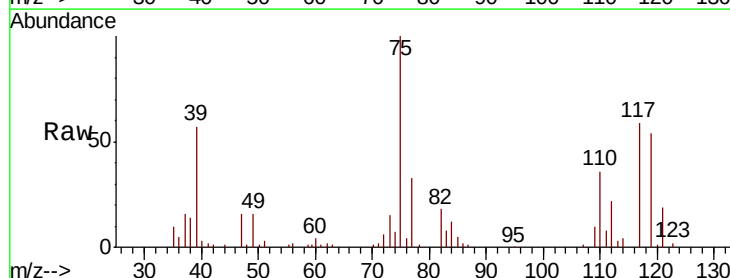
Manual Integrations
 APPROVED

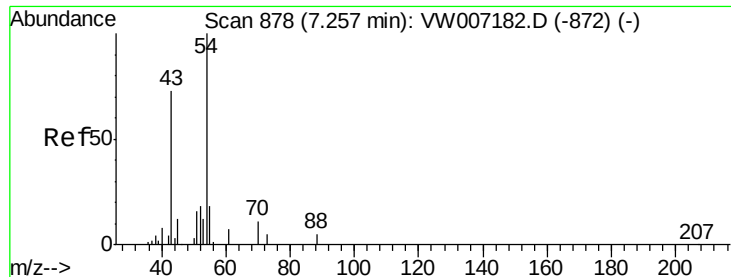
apatel
 12/7/2018 12:19:56 PM



#36
 1,1-Dichloropropene
 Concen: 21.616 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.3	54.9
77	30.7	24.9	37.3





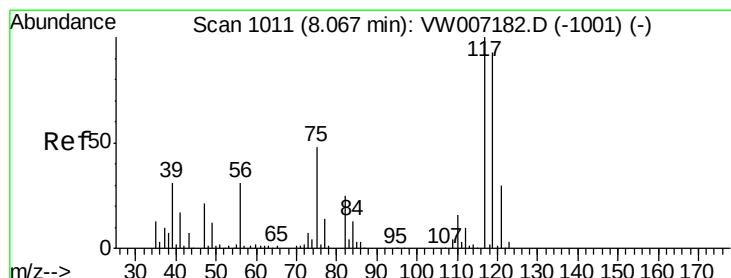
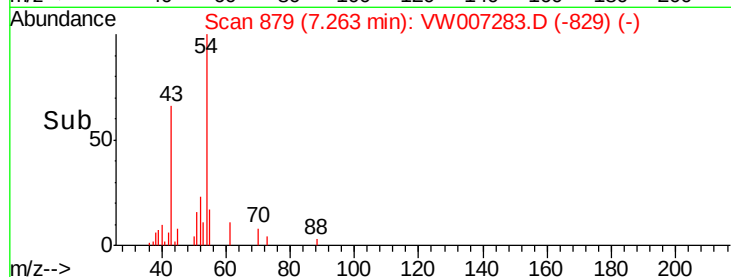
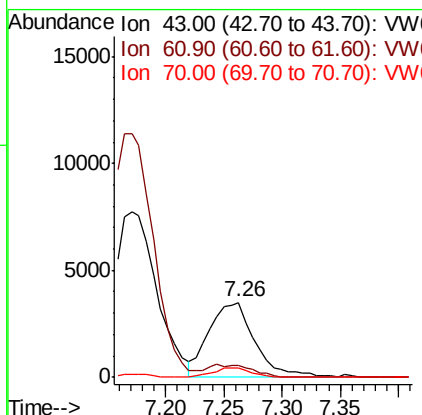
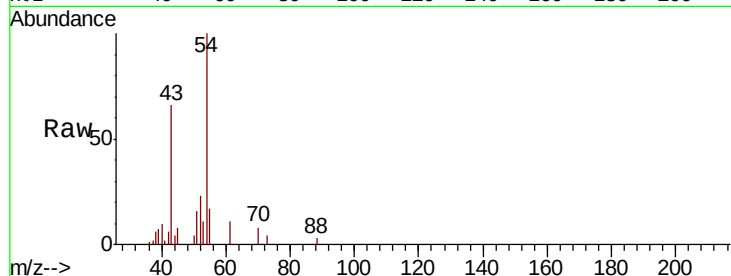
#37
Ethyl Acetate
Concen: 19.166 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	12.1	18.1
70	10.5	9.1	13.7

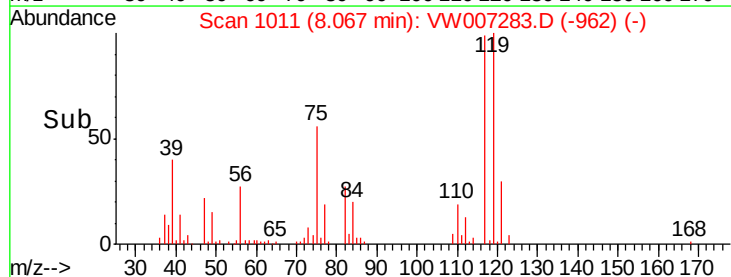
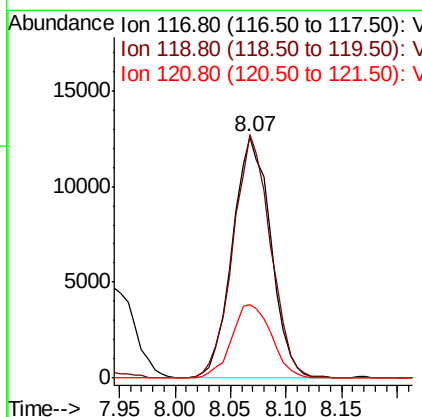
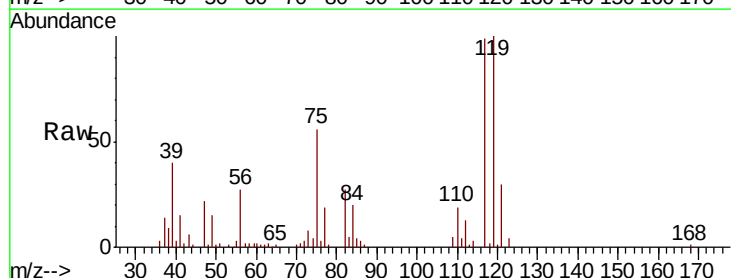
Manual Integrations
APPROVED

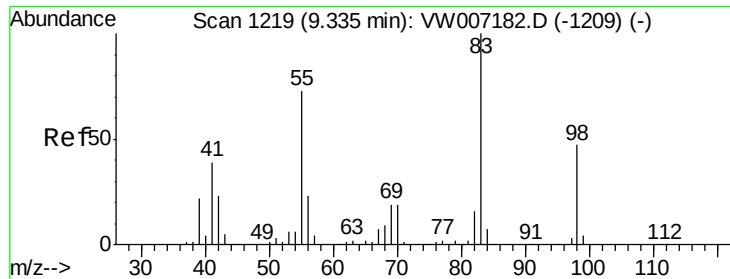
apatel
12/7/2018 12:19:56 PM



#38
Carbon Tetrachloride
Concen: 21.291 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.8	74.1	111.1
121	30.5	23.9	35.9





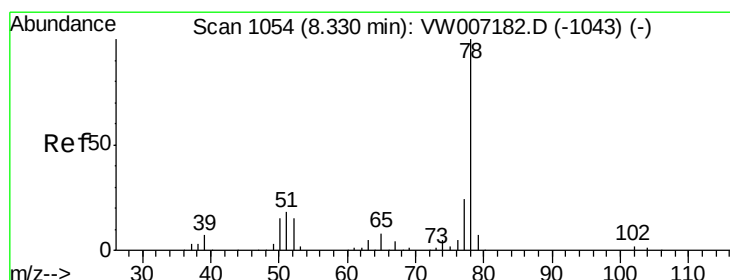
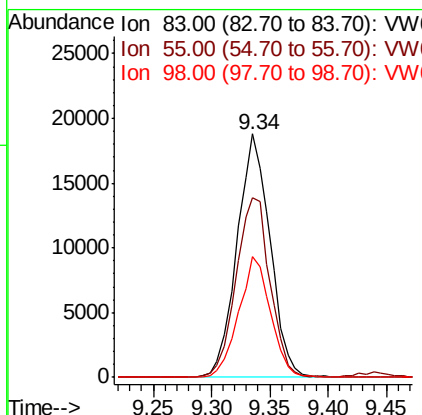
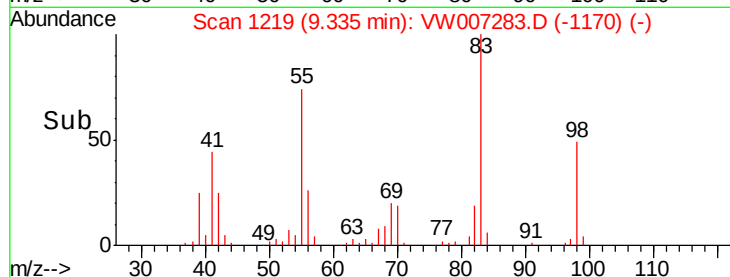
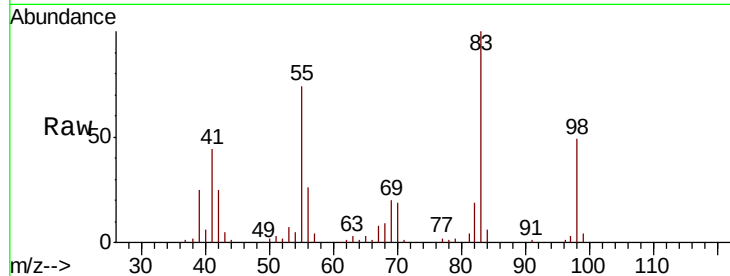
#39
Methylvlcyclohexane
Concen: 20.023 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	83.00	Resp	37147
Ion	Ratio	Lower	Upper
83	100		
55	73.6	58.1	87.1
98	49.4	37.3	55.9

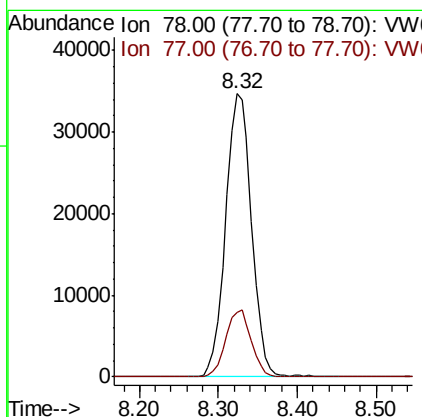
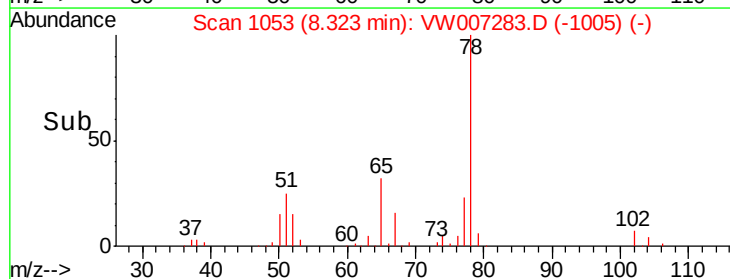
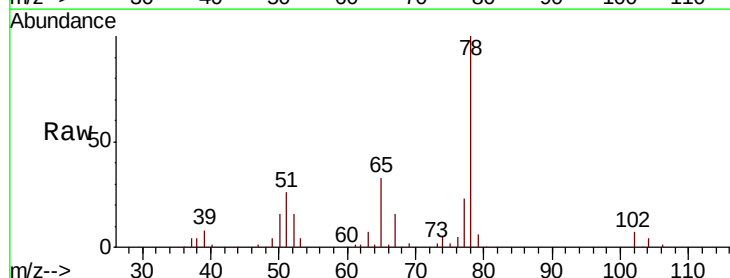
Manual Integrations
APPROVED

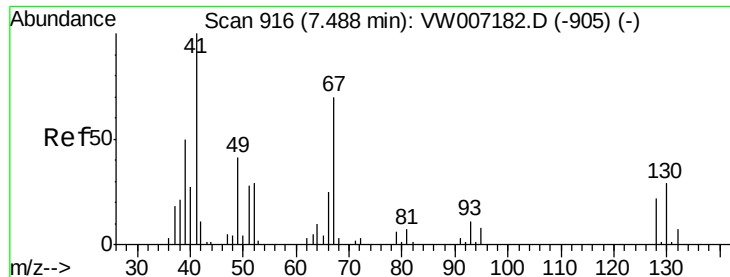
apatel
12/7/2018 12:19:56 PM



#40
Benzene
Concen: 20.845 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	78.00	Resp	79213
Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3





#41

Methacrylonitrile

Concen: 20.132 ug/l

RT: 7.49 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleID :

VW1206SBS01

Tot Ion: 41 Resp: 6045

Ion Ratio Lower Upper

41 100

39 56.9 43.4 65.0

67 70.3 57.4 86.0

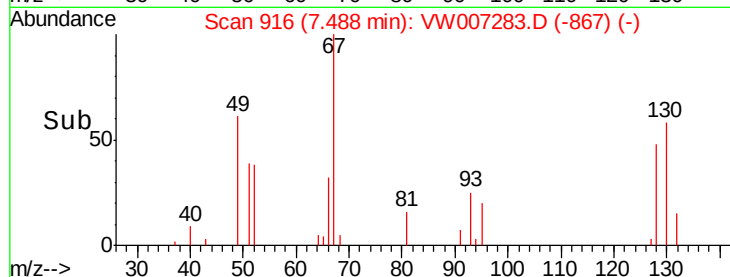
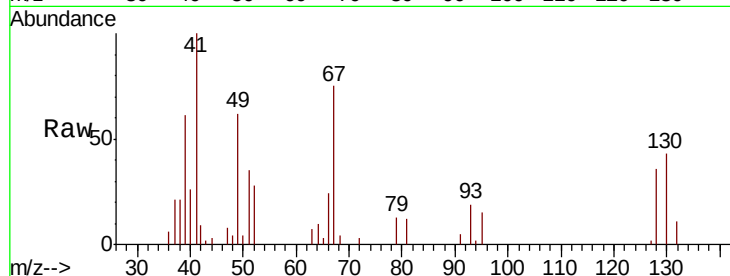
52 30.8 23.3 34.9

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM

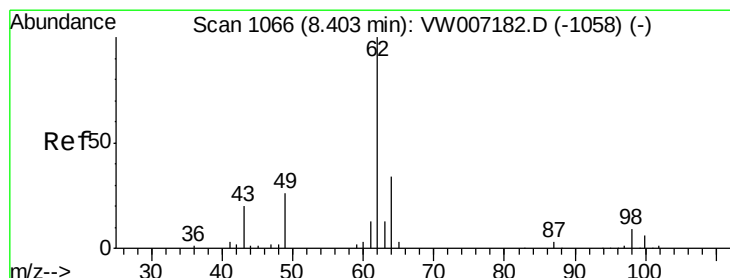
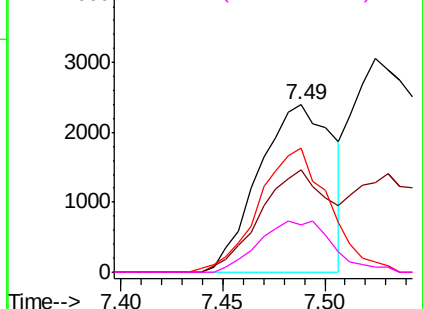


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 21.376 ug/l

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW007283.D

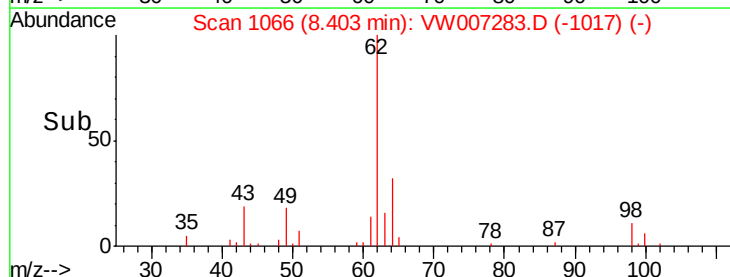
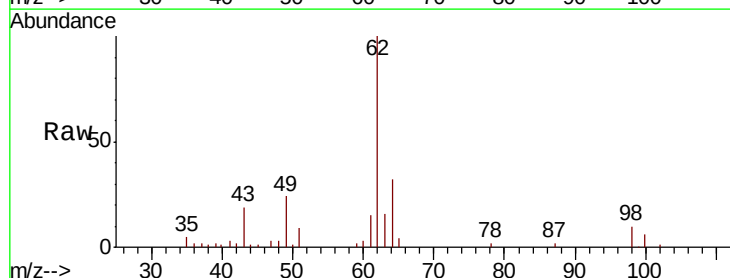
Acq: 06 Dec 2018 17:22

Tgt Ion: 62 Resp: 22703

Ion Ratio Lower Upper

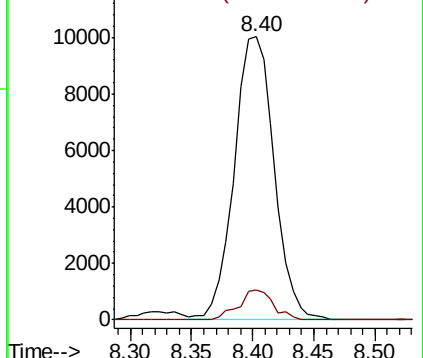
62 100

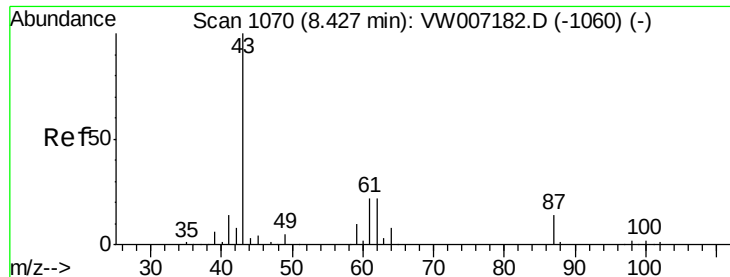
98 9.1 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 18.944 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

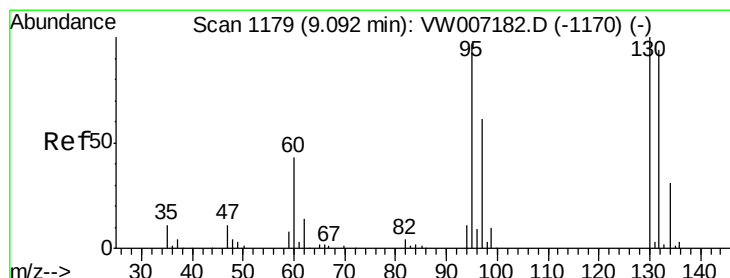
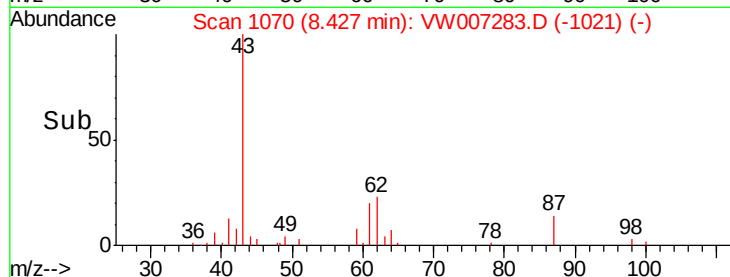
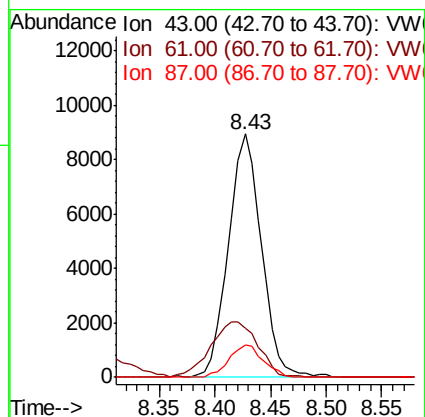
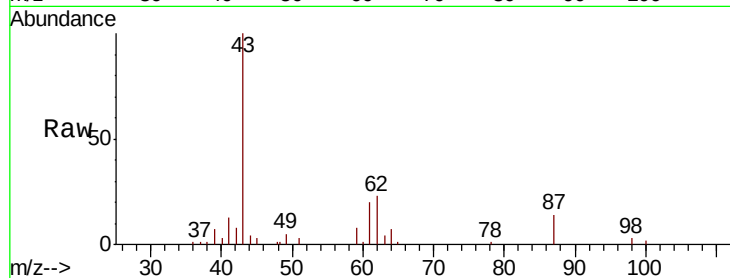
ClientSampleId :

VW1206SBS01

Tot Ion:	43	Resp:	18444
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.4	38.0
87	13.8	11.4	17.0

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM



#44

Trichloroethene

Concen: 21.470 ug/l

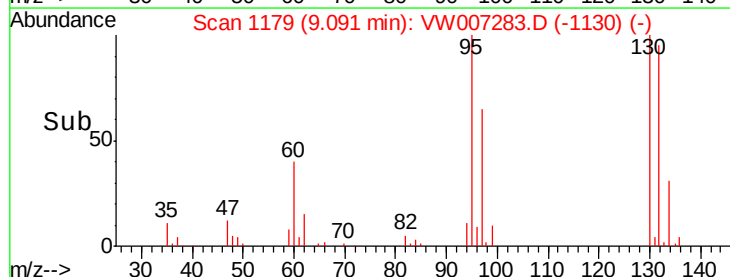
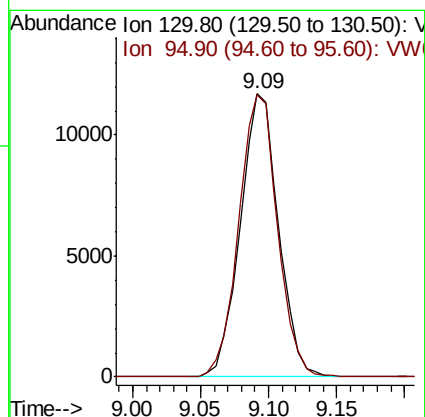
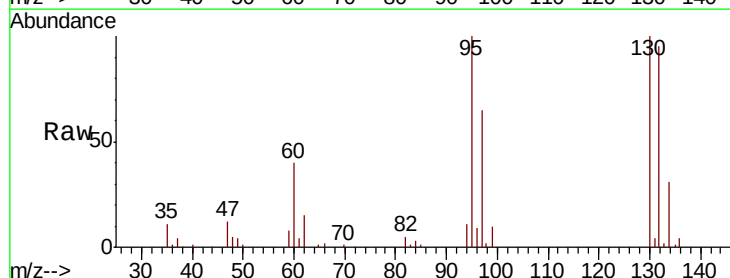
RT: 9.09 min Scan# 1179

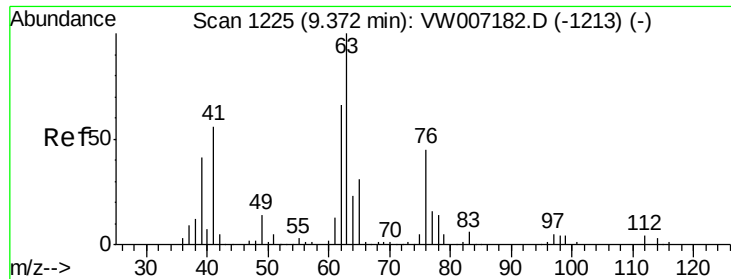
Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Tgt Ion:	130	Resp:	22934
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	194.0





#45

1,2-Dichloropropane

Concen: 20.993 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampled :

VW1206SBS01

Tot Ion: 63 Resp: 18565

Ion Ratio Lower Upper

63 100

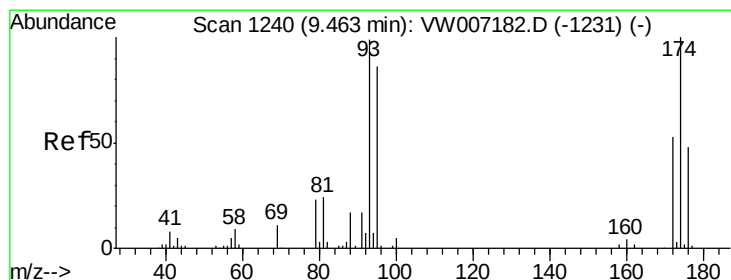
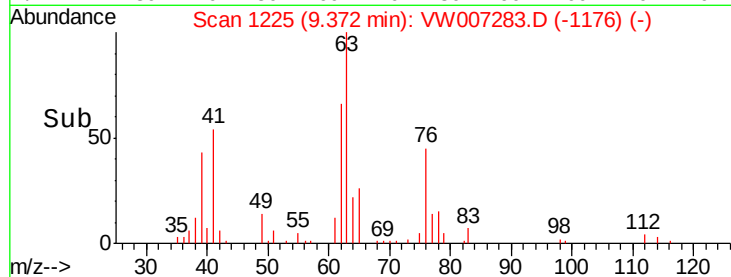
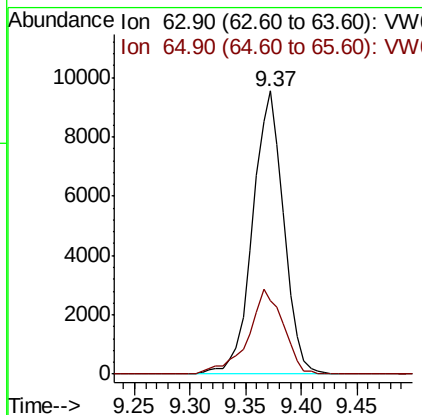
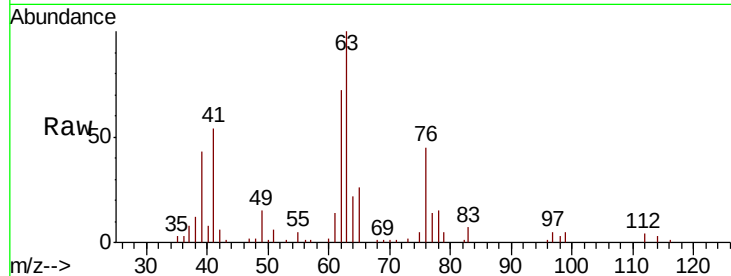
65 25.9 25.0 37.4

Manual Integrations

APPROVED

apatel

12/7/2018 12:19:56 PM



#46

Dibromomethane

Concen: 20.515 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

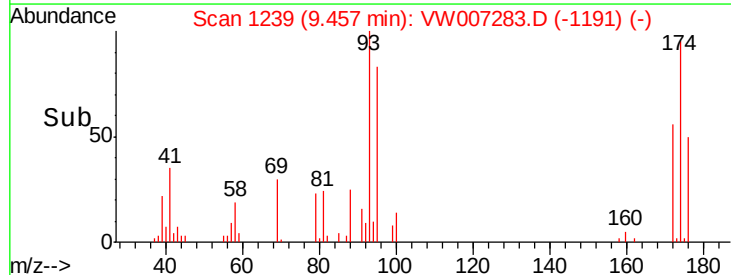
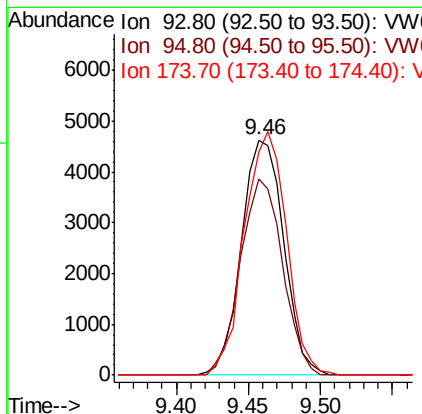
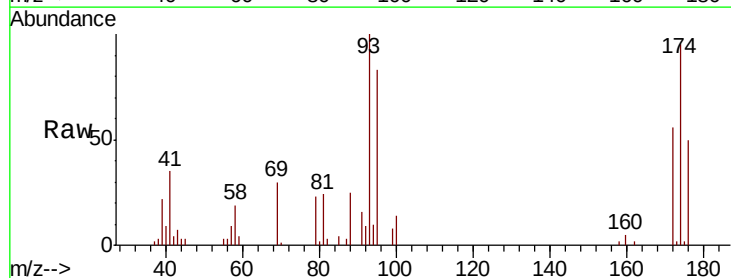
Tgt Ion: 93 Resp: 9427

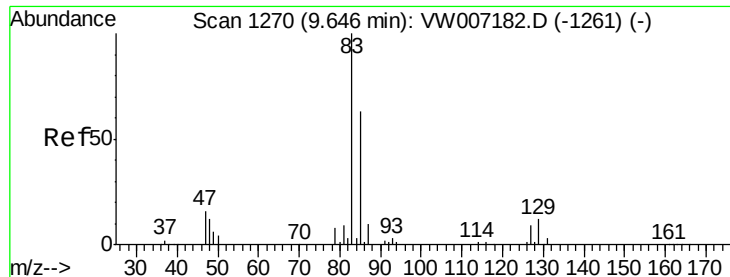
Ion Ratio Lower Upper

93 100

95 83.1 68.7 103.1

174 103.1 82.9 124.3





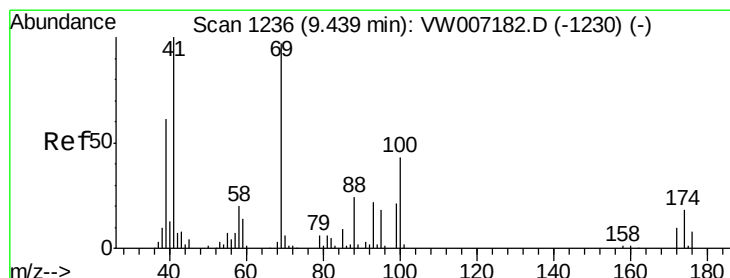
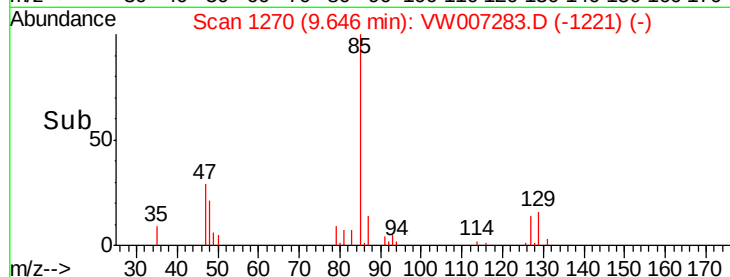
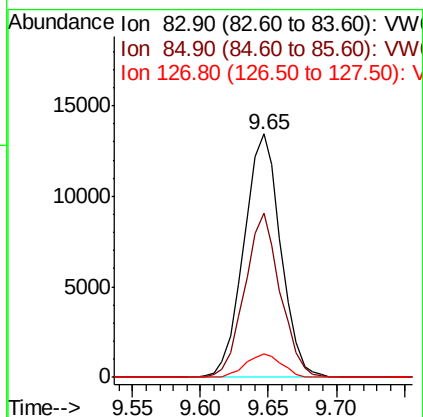
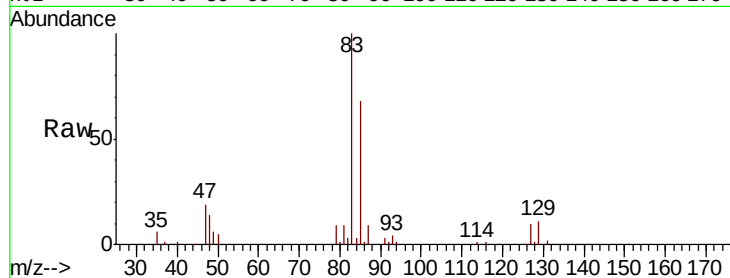
#47
Bromodichloromethane
Concen: 21.044 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.6	76.0
127	9.8	7.3	10.9

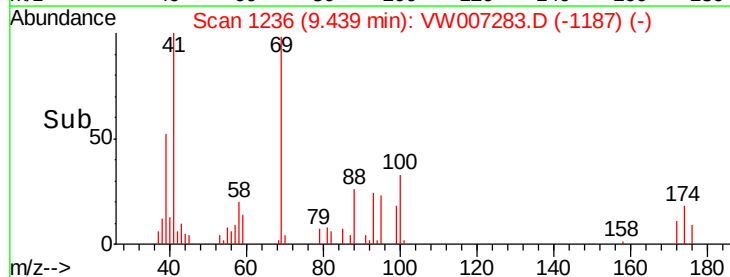
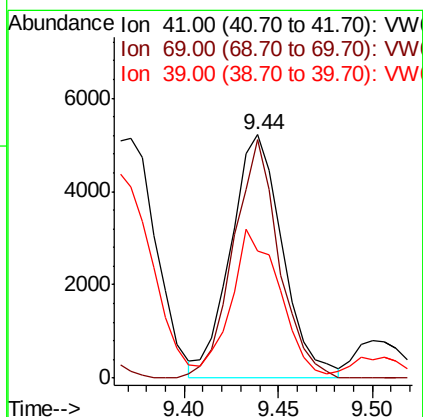
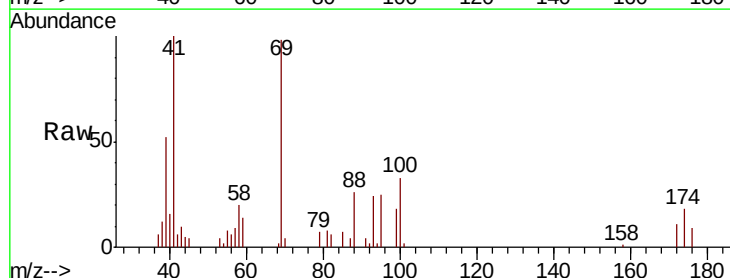
Manual Integrations
APPROVED

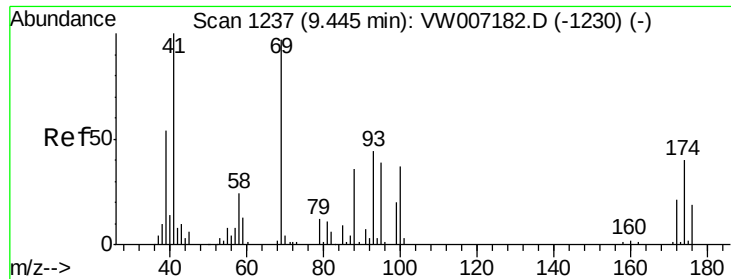
apatel
12/7/2018 12:19:56 PM



#48
Methyl methacrylate
Concen: 19.714 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.2	69.6	104.4
39	53.2	42.4	63.6





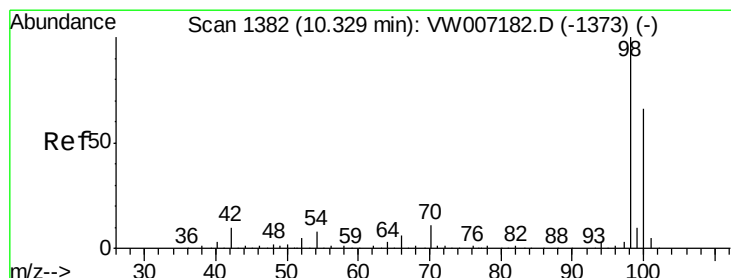
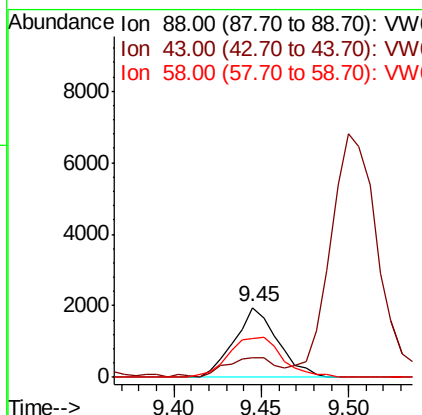
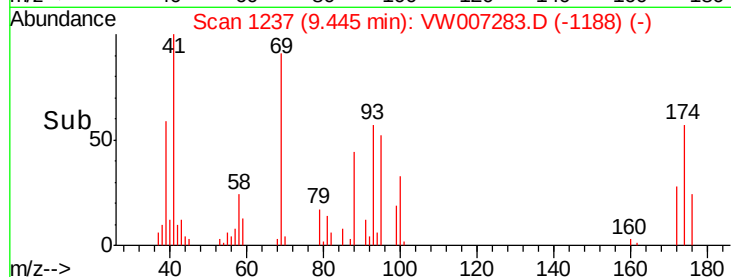
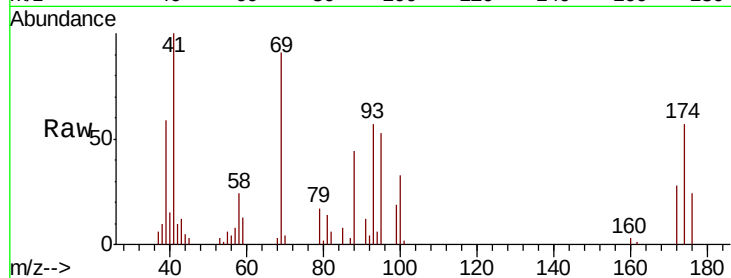
#49
1,4-Dioxane
Concen: 417.694 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	88	Resp	3353
Ion	Ratio	Lower	Upper
88	100		
43	34.5	25.8	38.8
58	70.7	58.9	88.3

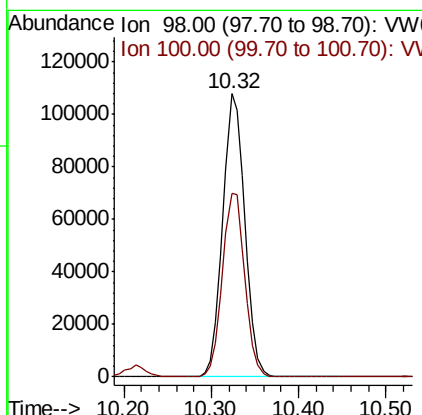
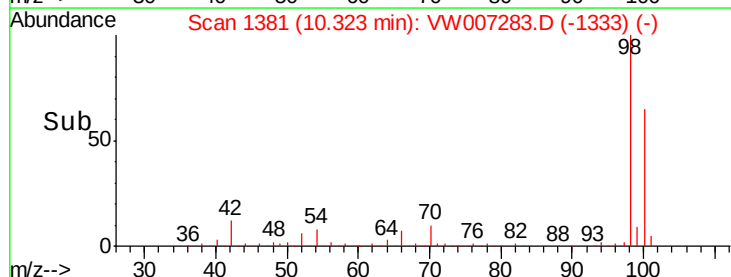
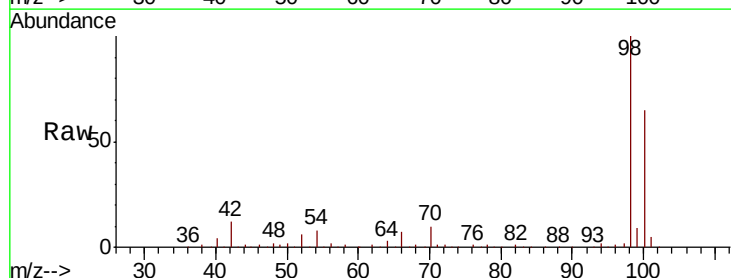
Manual Integrations
APPROVED

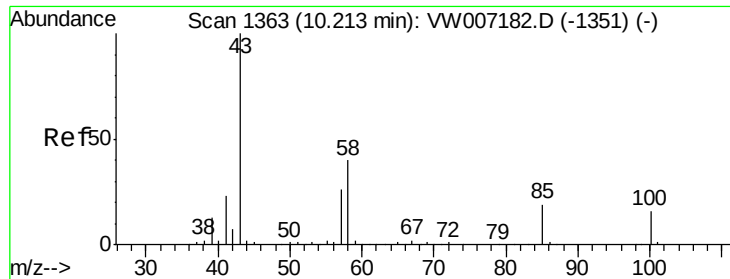
apatel
12/7/2018 12:19:56 PM



#50
Toluene-d8
Concen: 52.664 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	98	Resp	189193
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





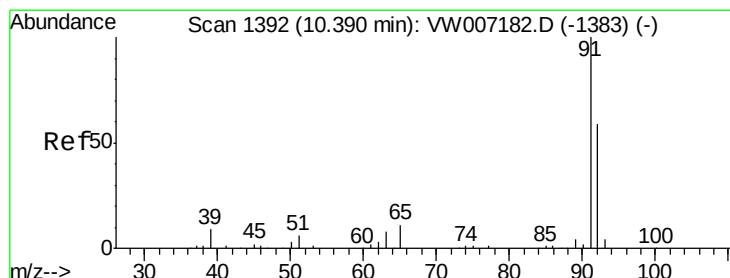
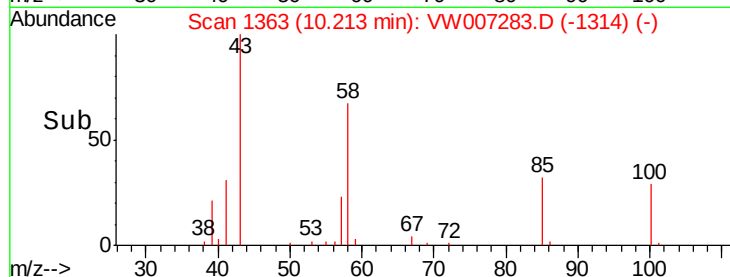
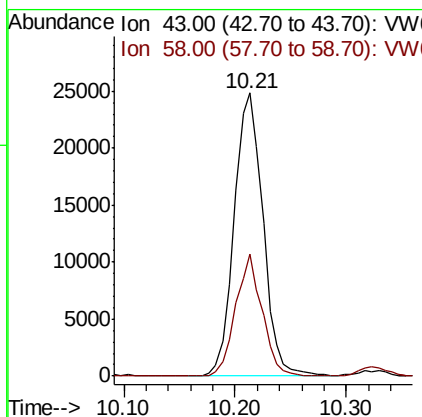
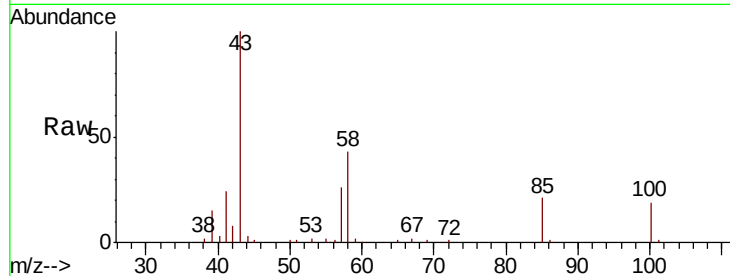
#51
4-Methyl-2-Pentanone
Concen: 92.855 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampled :
VW1206SBS01

Tot Ion: 43 Resp: 44552
Ion Ratio Lower Upper
43 100
58 39.6 32.3 48.5

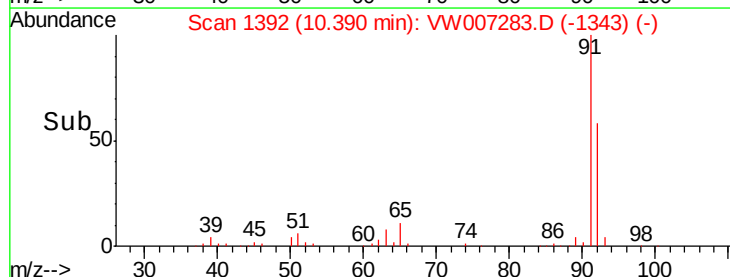
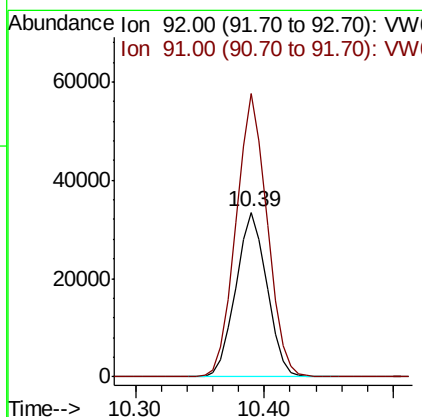
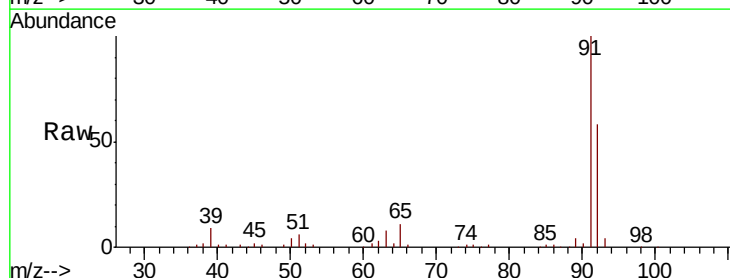
Manual Integrations
APPROVED

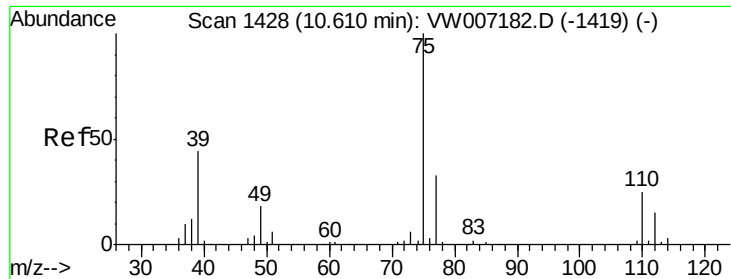
apatel
12/7/2018 12:19:56 PM



#52
Toluene
Concen: 21.245 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 92 Resp: 56161
Ion Ratio Lower Upper
92 100
91 171.6 136.0 204.0





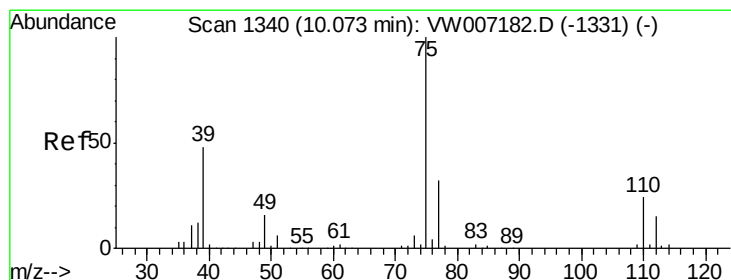
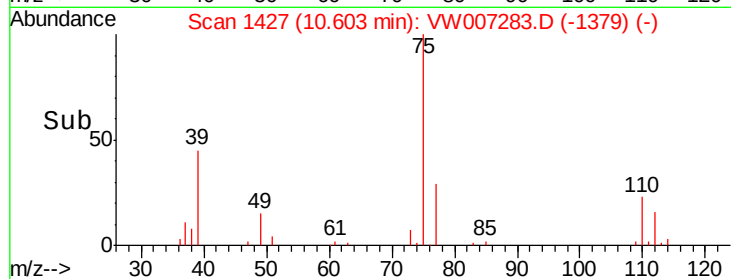
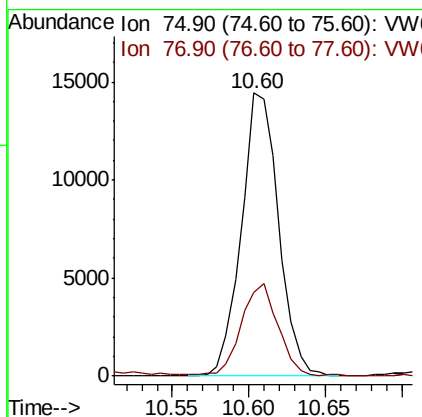
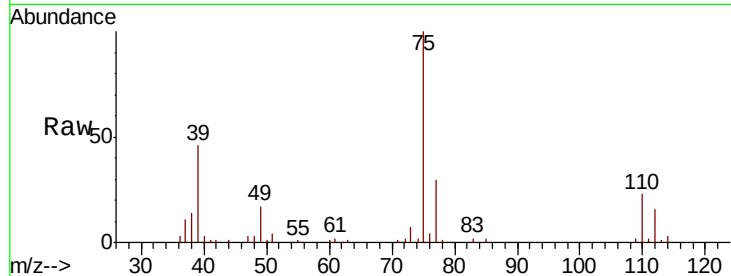
#53
t-1,3-Dichloropropene
Concen: 20.018 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion: 75 Resp: 24327
Ion Ratio Lower Upper
75 100
77 29.3 26.2 39.2

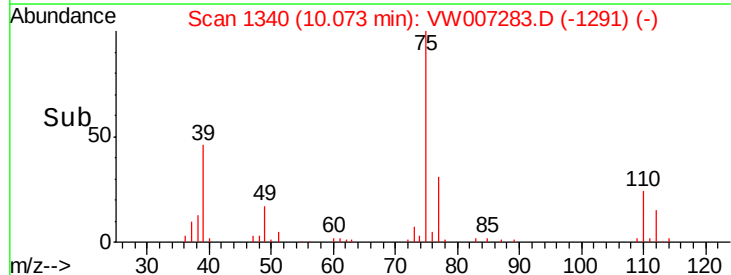
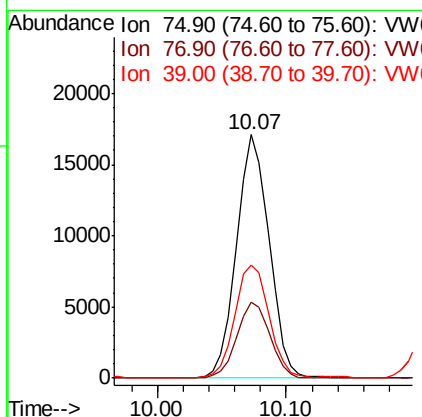
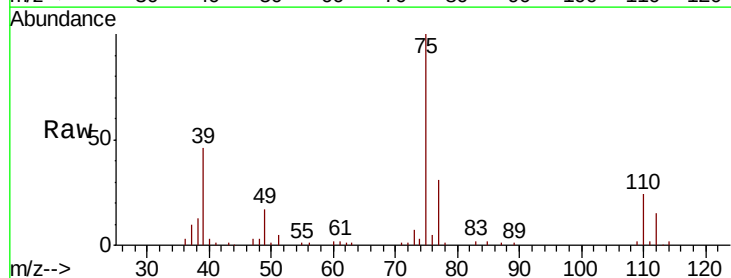
Manual Integrations
APPROVED

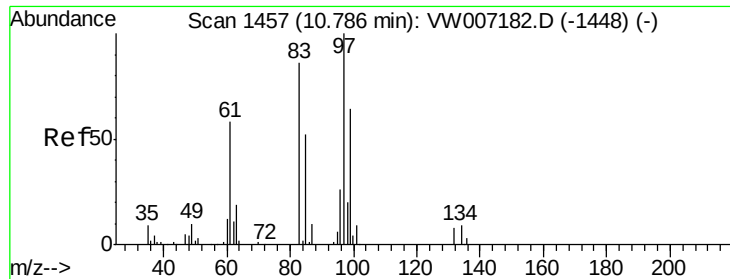
apatel
12/7/2018 12:19:56 PM



#54
cis-1,3-Dichloropropene
Concen: 21.029 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 75 Resp: 29950
Ion Ratio Lower Upper
75 100
77 31.1 26.0 39.0
39 46.2 38.0 57.0





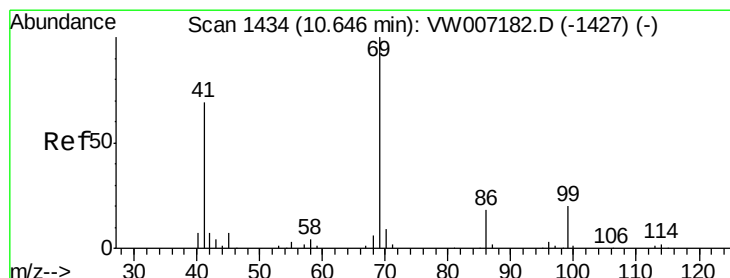
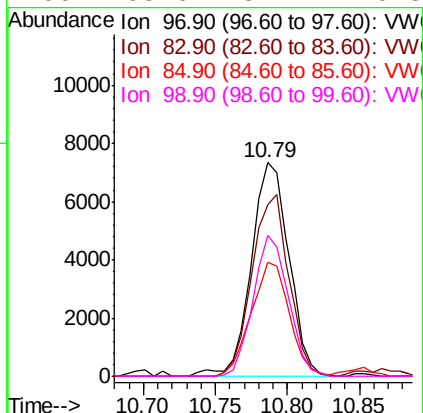
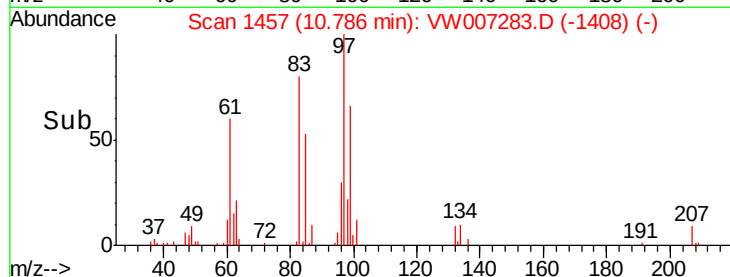
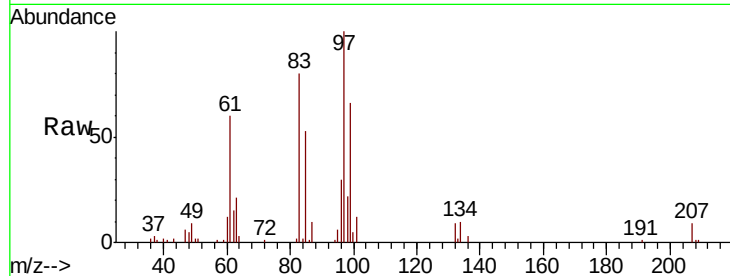
#55
 1,1,2-Trichloroethane
 Concen: 20.244 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	97	Resp	13232
Ion	Ratio	Lower	Upper
97	100		
83	80.2	68.6	102.8
85	53.5	41.4	62.2
99	65.6	51.2	76.8

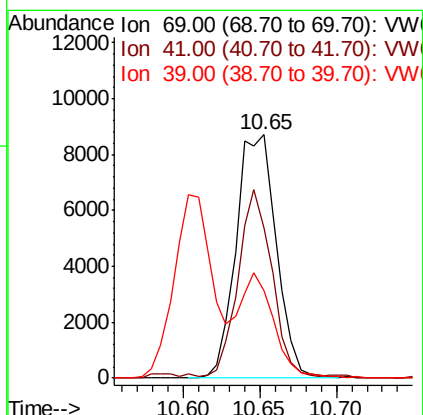
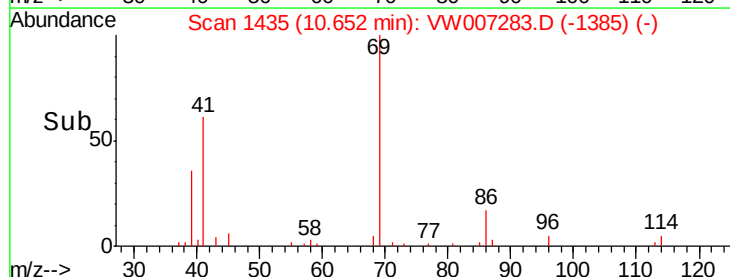
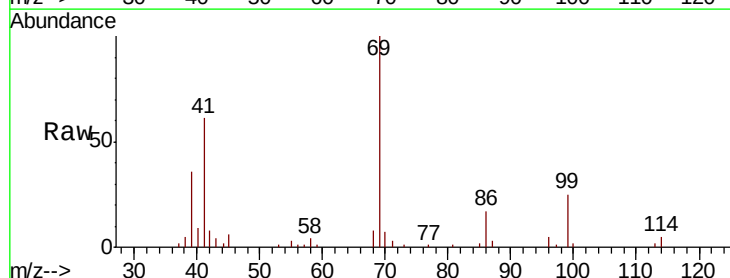
Manual Integrations
 APPROVED

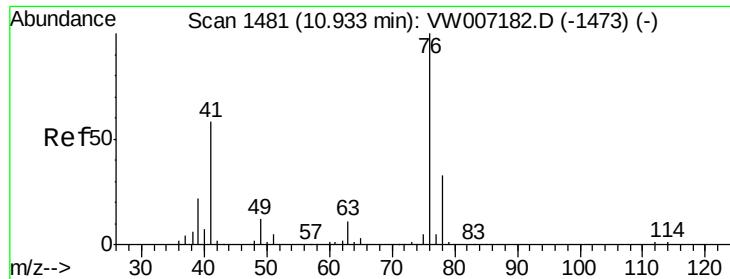
apatel
 12/7/2018 12:19:56 PM



#56
 Ethyl methacrylate
 Concen: 18.673 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	69	Resp	15921
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.8	77.6
39	37.9	28.7	43.1





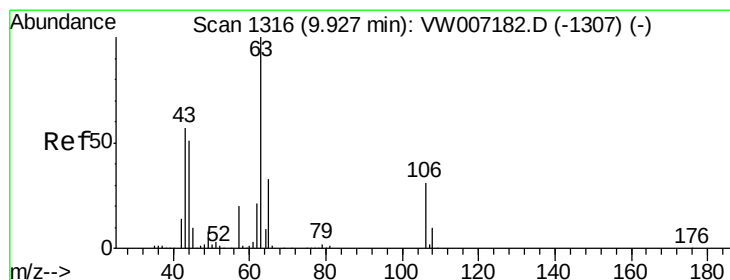
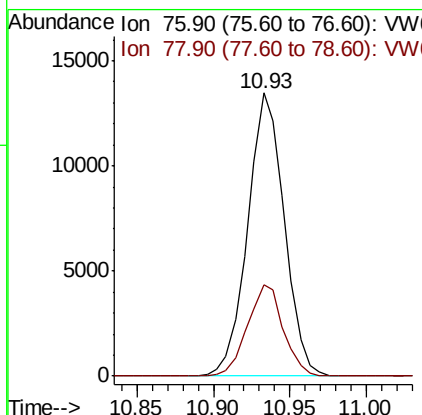
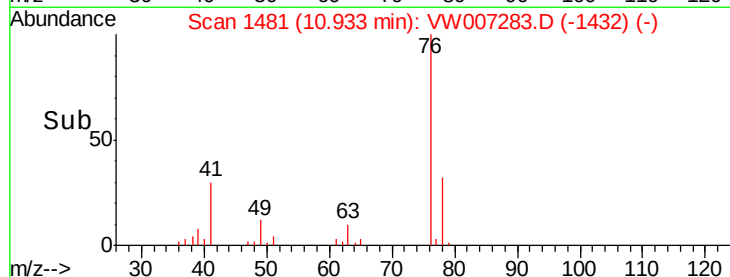
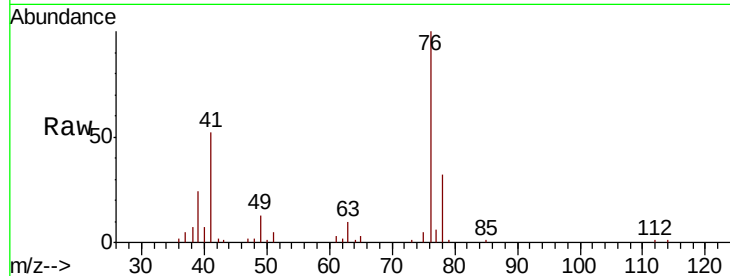
#57
 1,3-Dichloropropane
 Concen: 20.252 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion: 76 Resp: 22349
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.6 40.0

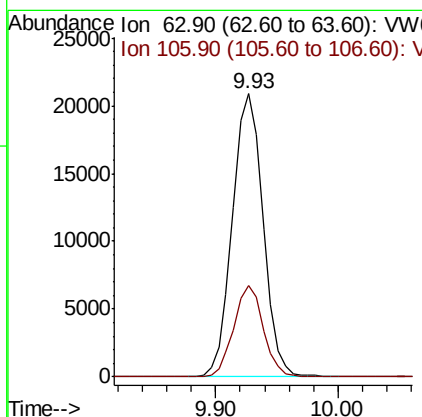
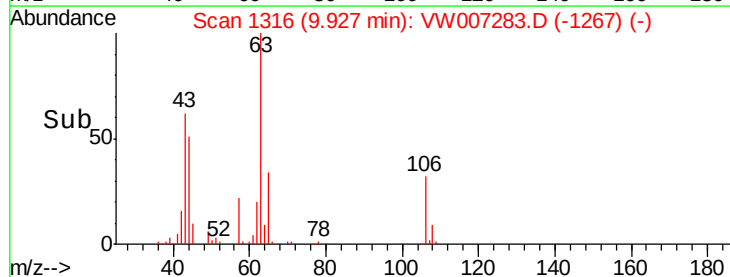
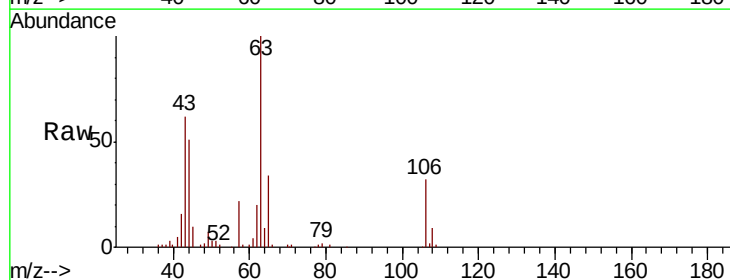
Manual Integrations
 APPROVED

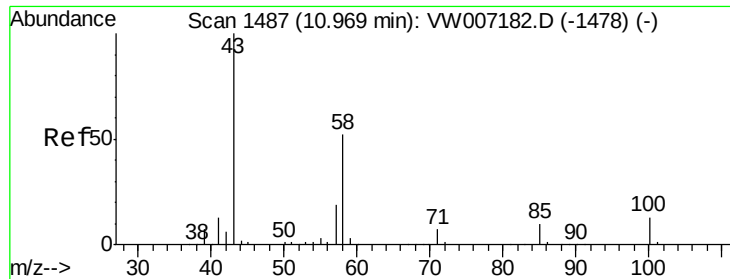
apatel
 12/7/2018 12:19:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.653 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion: 63 Resp: 36183
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.1 36.1





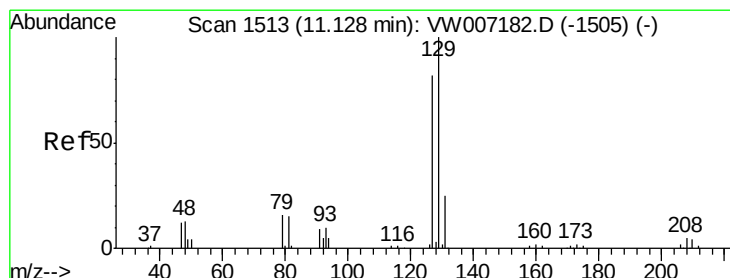
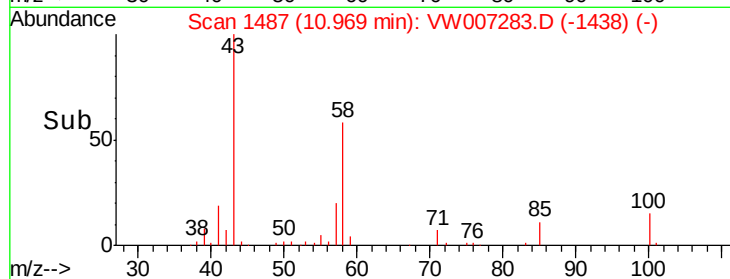
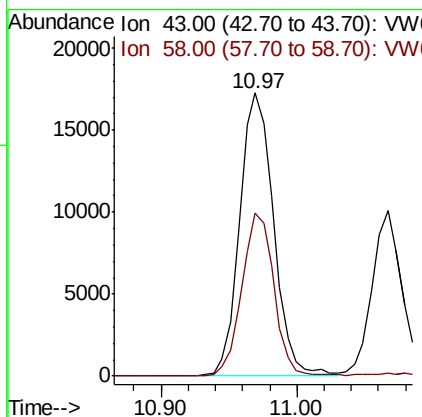
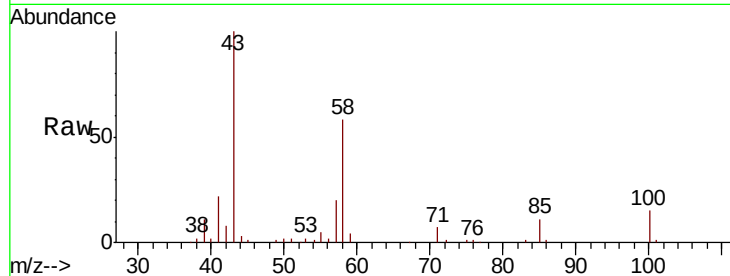
#59
2-Hexanone
Concen: 86.540 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion: 43 Resp: 30100
Ion Ratio Lower Upper
43 100
58 54.5 28.1 84.4

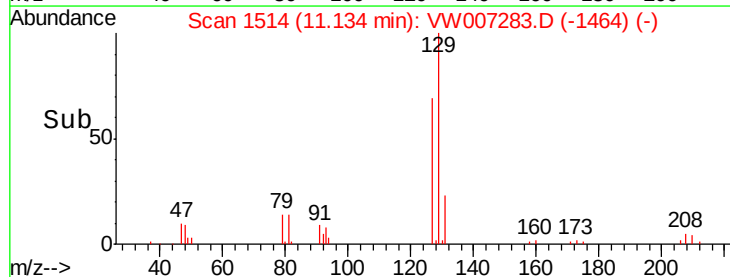
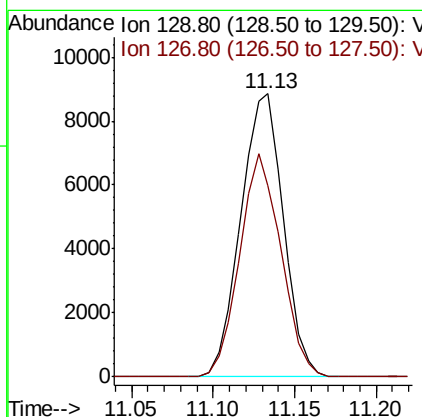
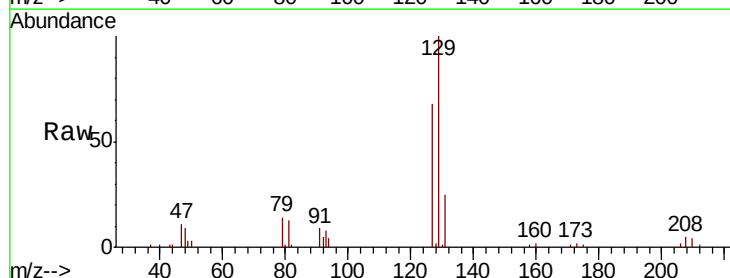
Manual Integrations
APPROVED

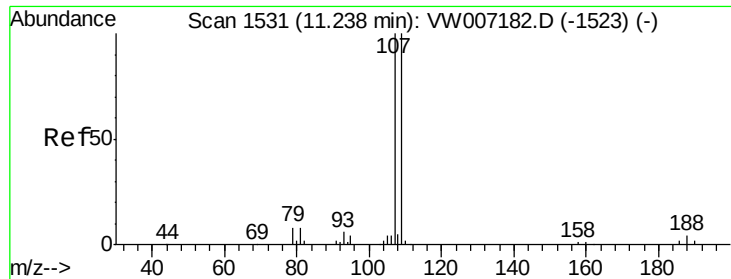
apatel
12/7/2018 12:19:56 PM



#60
Dibromochloromethane
Concen: 20.010 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 129 Resp: 16075
Ion Ratio Lower Upper
129 100
127 76.3 39.8 119.4





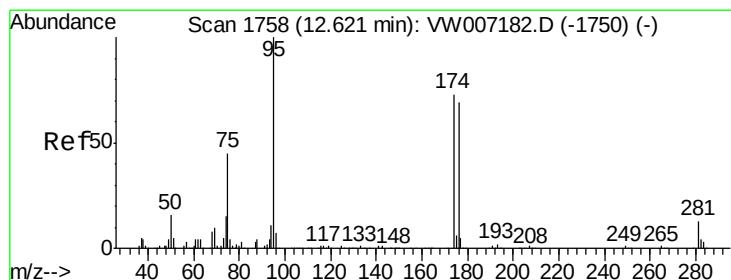
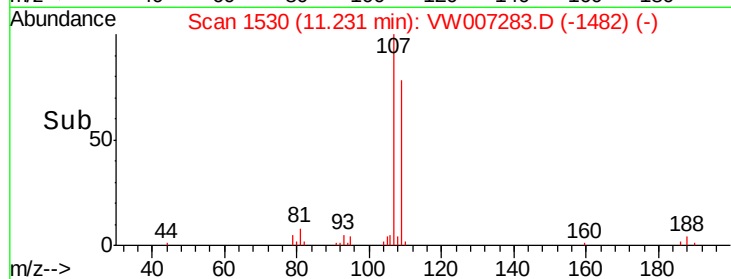
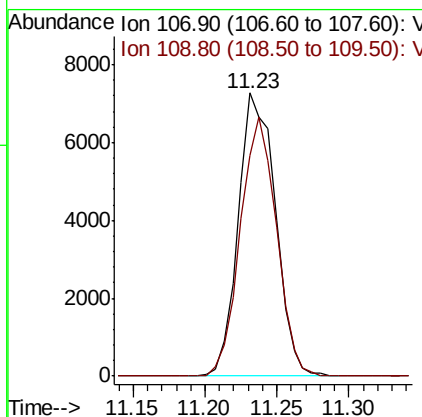
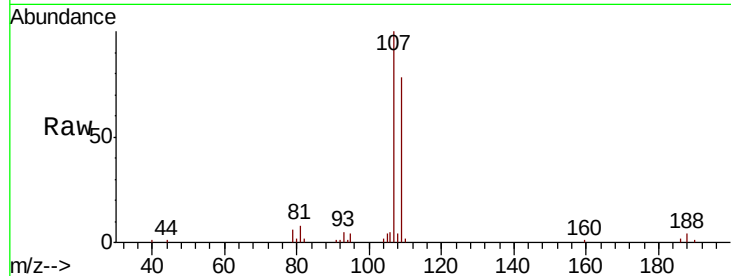
#61
 1,2-Dibromoethane
 Concen: 20.695 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	89.0	77.3	115.9

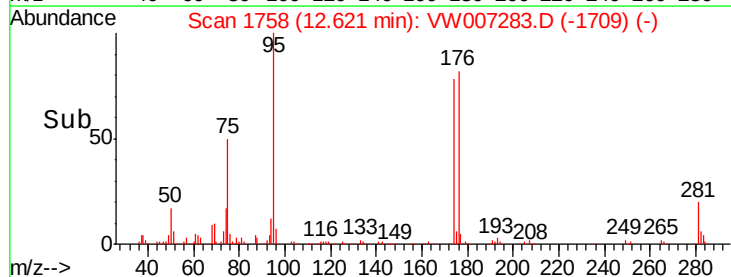
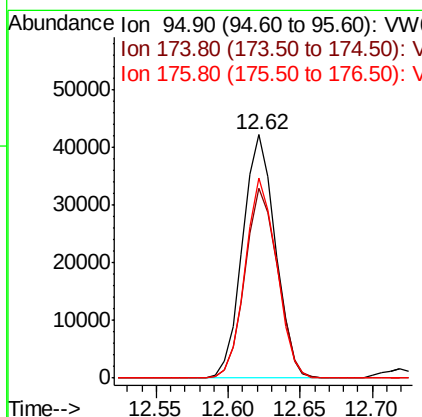
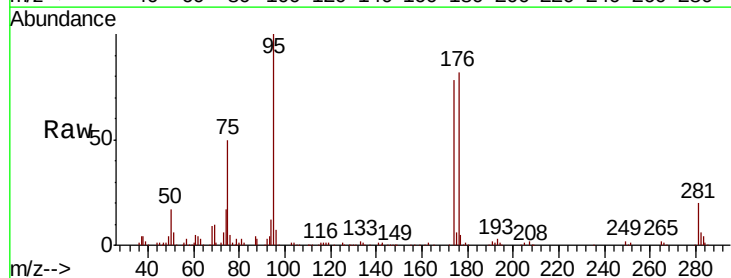
Manual Integrations
 APPROVED

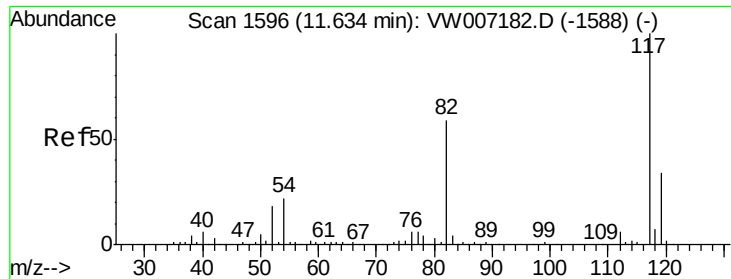
apatel
 12/7/2018 12:19:56 PM



#62
 4-Bromofluorobenzene
 Concen: 48.974 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	148.0
176	79.0	0.0	139.4





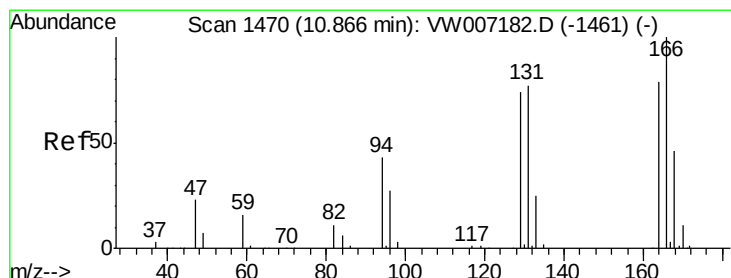
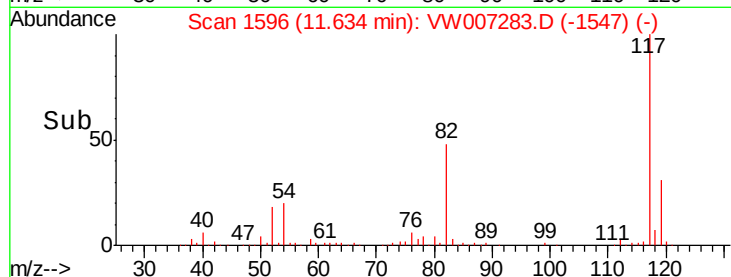
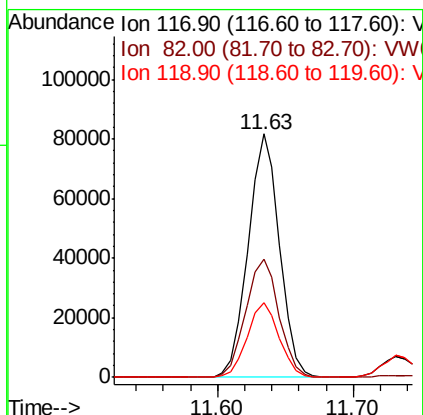
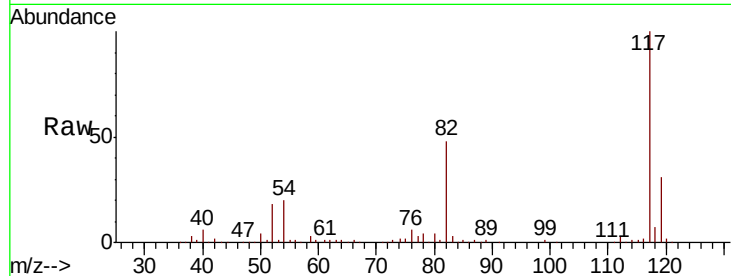
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampled :
VW1206SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.3	47.4	71.2
119	30.9	26.8	40.2

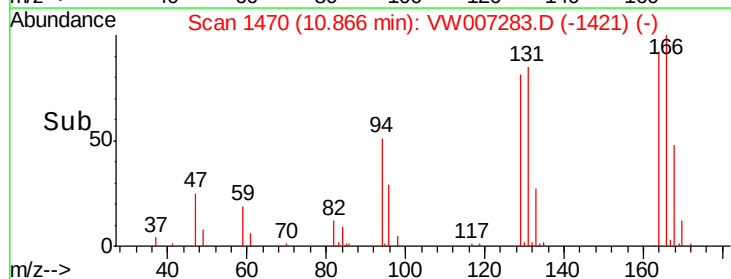
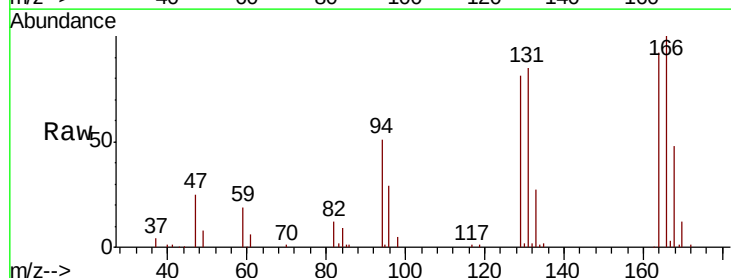
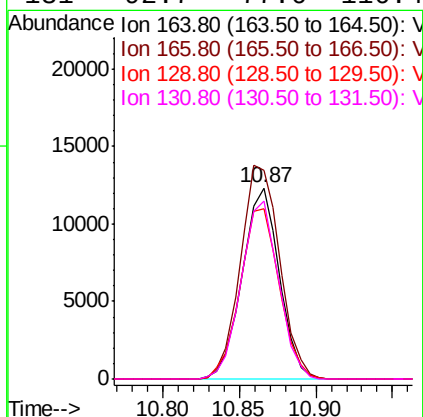
Manual Integrations
APPROVED

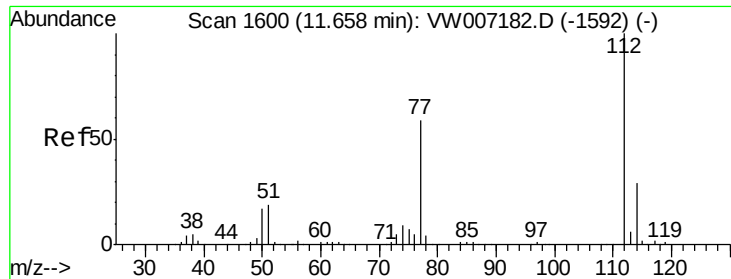
apatel
12/7/2018 12:19:56 PM



#64
Tetrachloroethene
Concen: 21.621 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	109.3	101.0	151.4
129	88.9	74.6	111.8
131	92.7	77.6	116.4





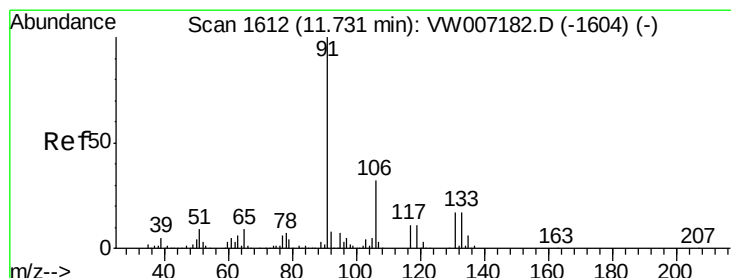
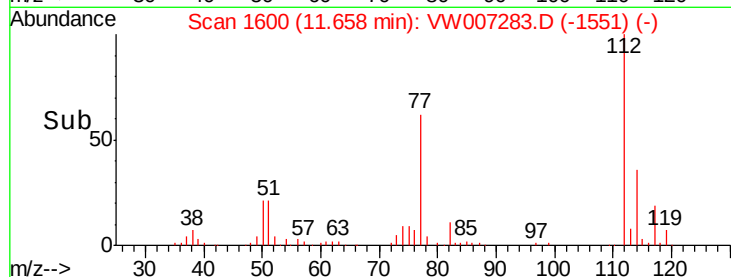
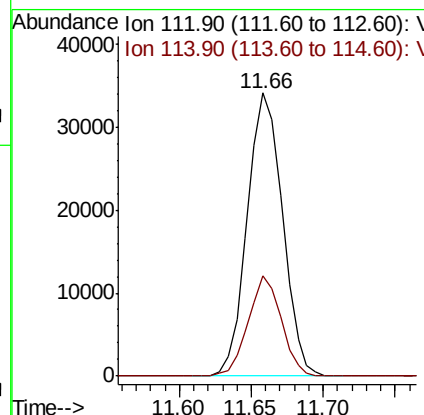
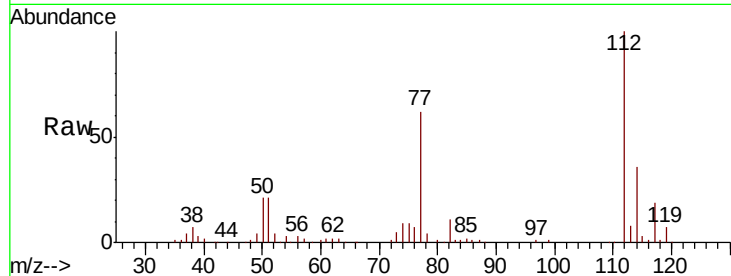
#65
Chlorobenzene
Concen: 19.715 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion:112 Resp: 57915
Ion Ratio Lower Upper
112 100
114 35.5 23.0 34.4#

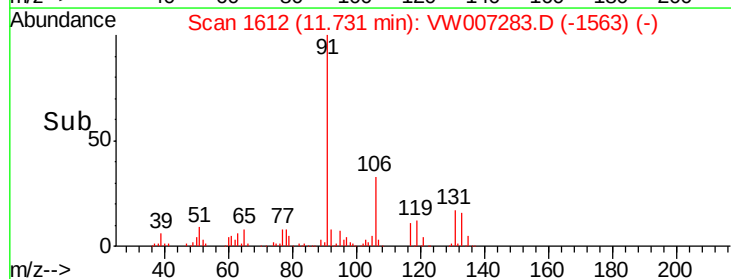
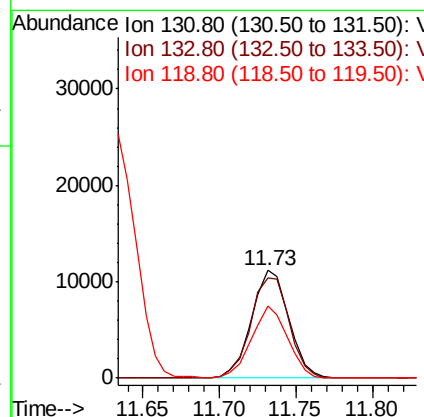
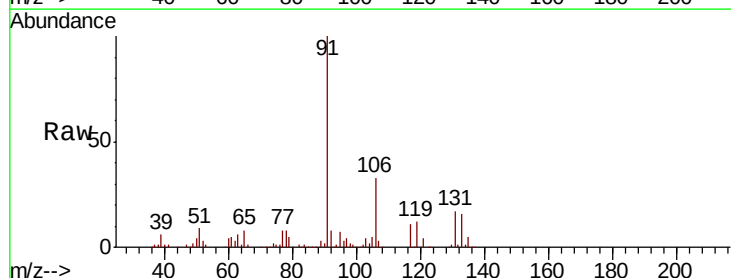
Manual Integrations
APPROVED

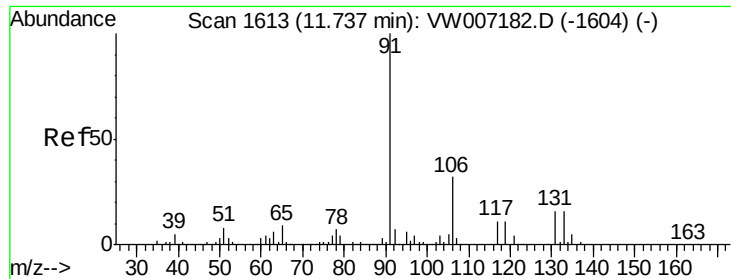
apatel
12/7/2018 12:19:56 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.932 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion:131 Resp: 18990
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.2
119 64.2 32.8 98.4





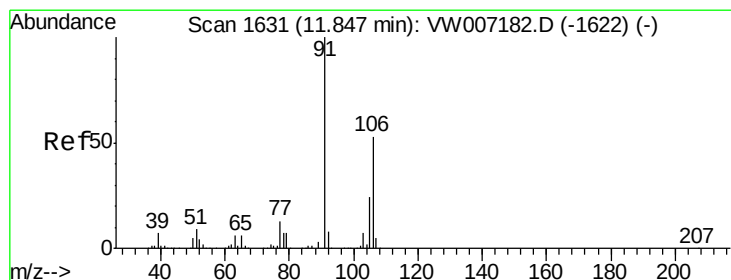
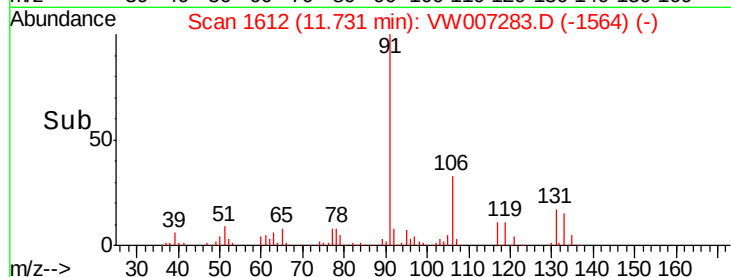
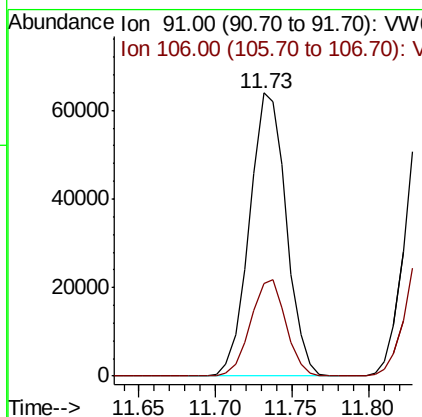
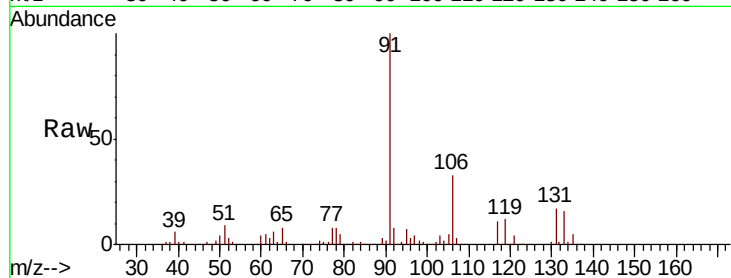
#67
Ethyl Benzene
Concen: 19.945 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion: 91 Resp: 106787
Ion Ratio Lower Upper
91 100
106 32.6 26.0 39.0

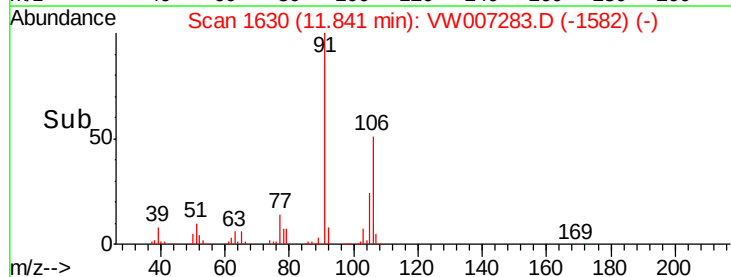
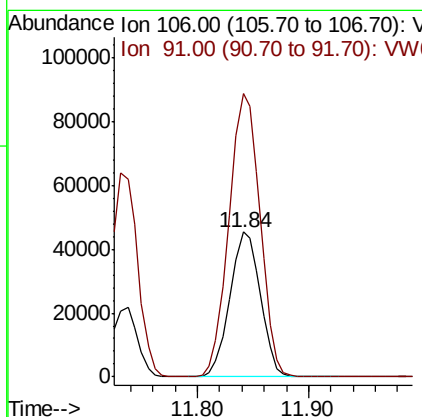
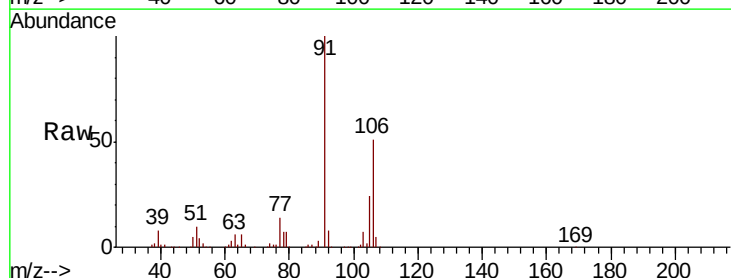
Manual Integrations
APPROVED

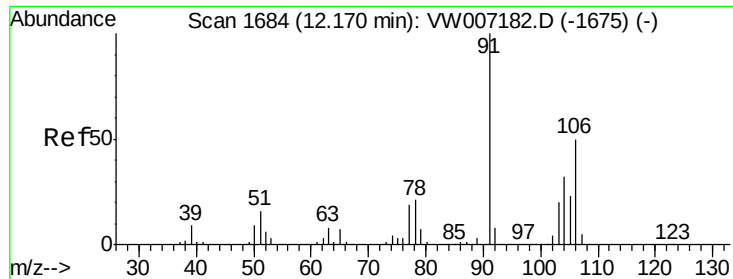
apatel
12/7/2018 12:19:56 PM



#68
m/p-Xylenes
Concen: 40.895 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 106 Resp: 85897
Ion Ratio Lower Upper
106 100
91 200.1 160.2 240.4





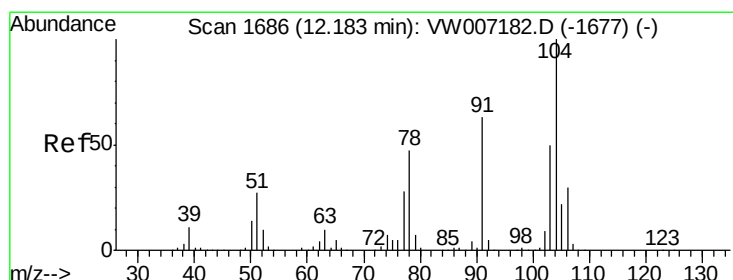
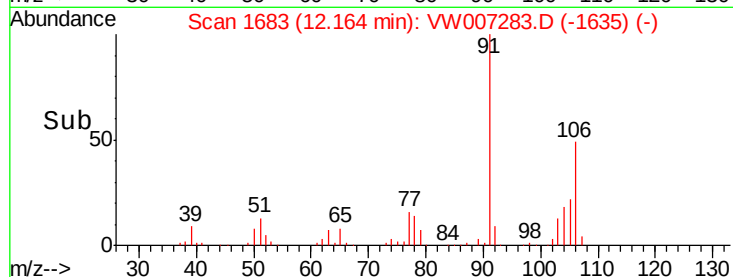
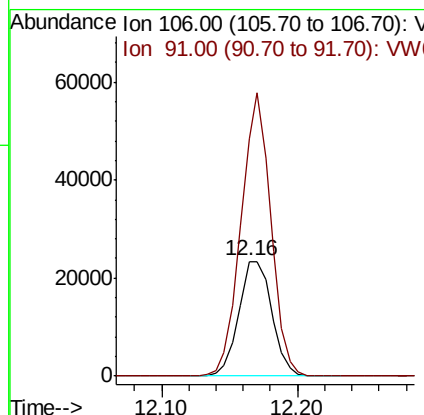
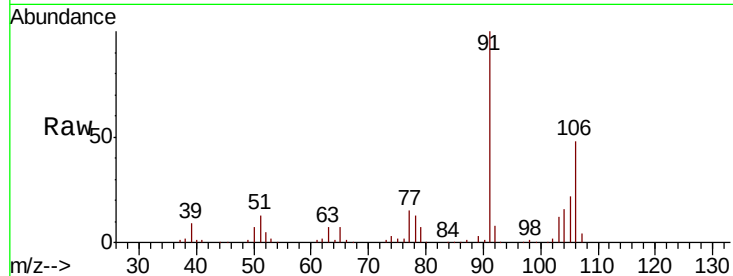
#69
o-Xylene
Concen: 20.339 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion:106 Resp: 39914
Ion Ratio Lower Upper
106 100
91 221.1 104.9 314.7

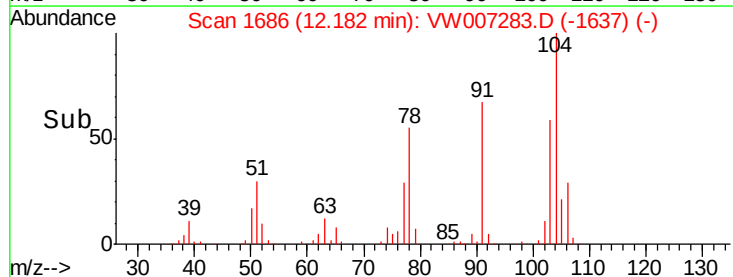
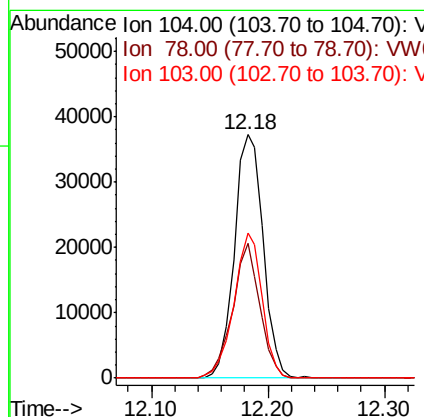
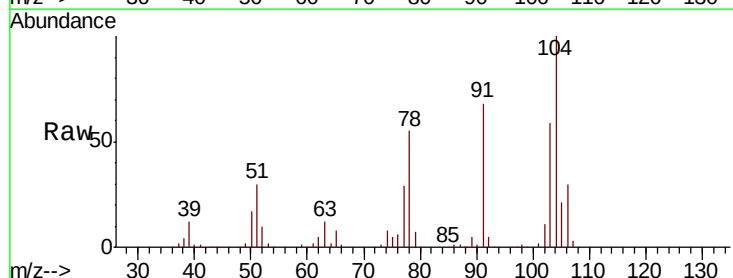
Manual Integrations
APPROVED

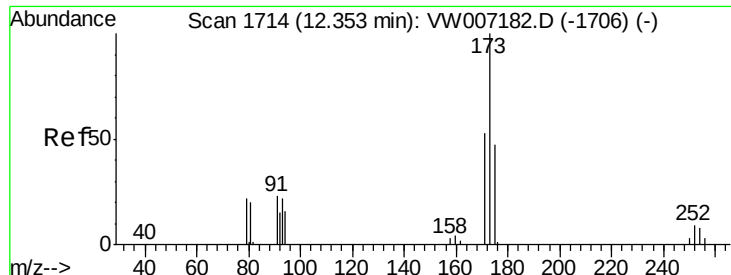
apatel
12/7/2018 12:19:56 PM



#70
Styrene
Concen: 19.968 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion:104 Resp: 64144
Ion Ratio Lower Upper
104 100
78 52.6 40.6 60.8
103 58.1 43.0 64.4





#71

Bromoform

Concen: 19.082 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

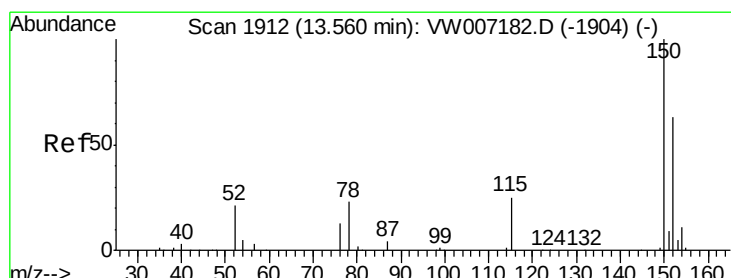
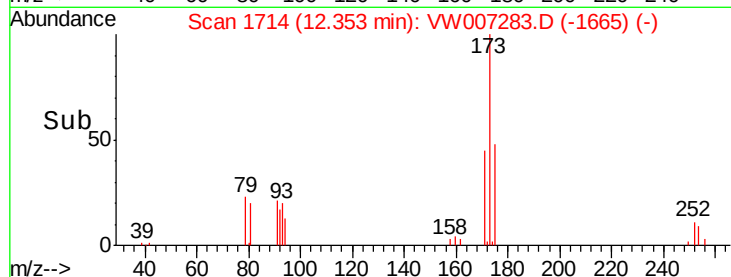
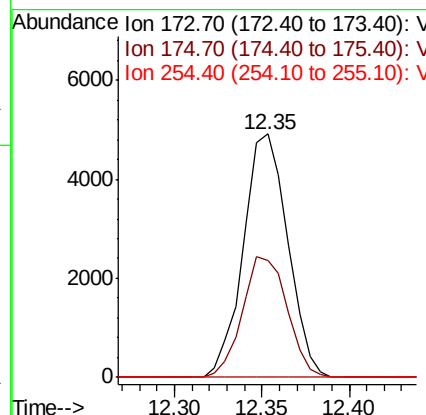
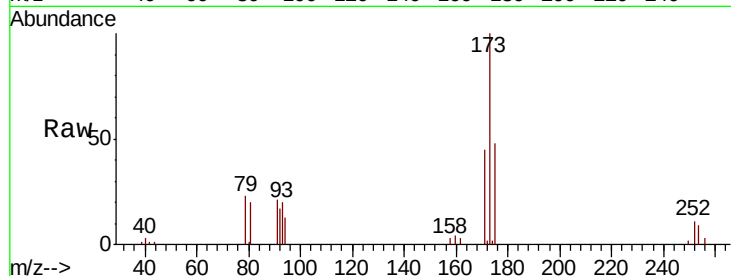
ClientSampleId :

VW1206SBS01

Tot Ion:	173	Resp:	8666
Ion Ratio	Lower	Upper	
173	100		
175	49.8	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

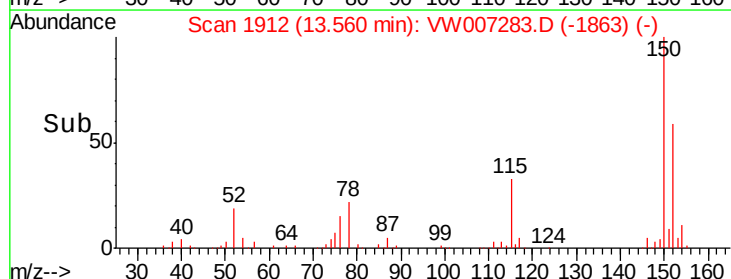
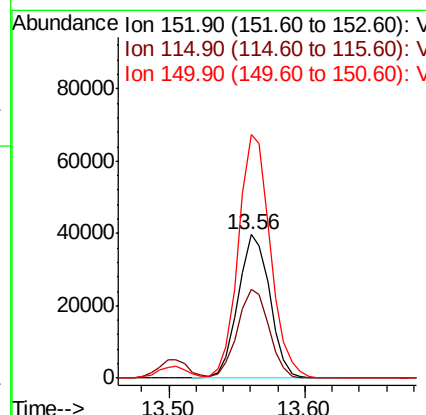
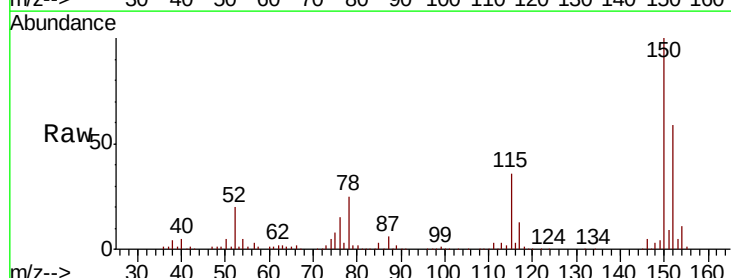
RT: 13.56 min Scan# 1912

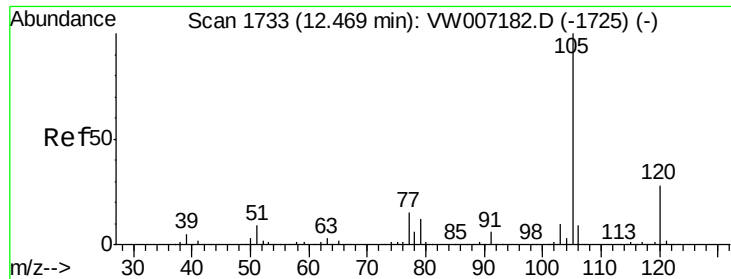
Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Tgt Ion:	152	Resp:	64504
Ion Ratio	Lower	Upper	
152	100		
115	61.6	31.3	93.8
150	171.4	0.0	358.0





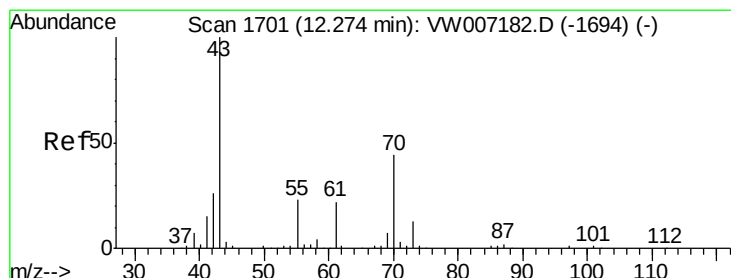
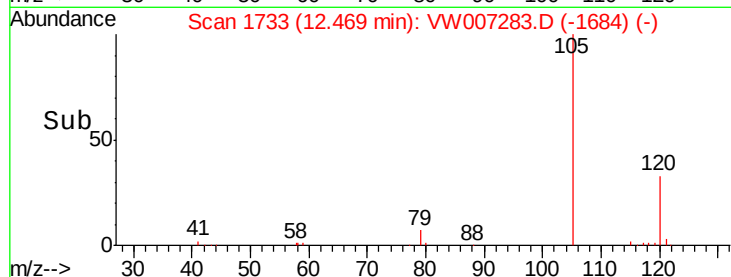
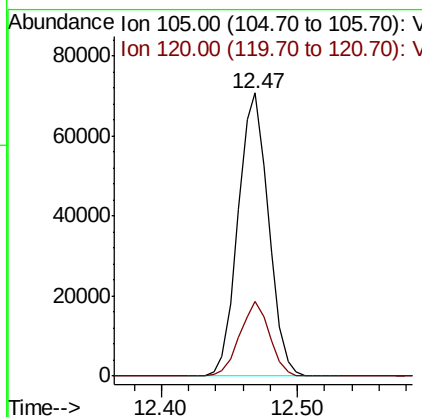
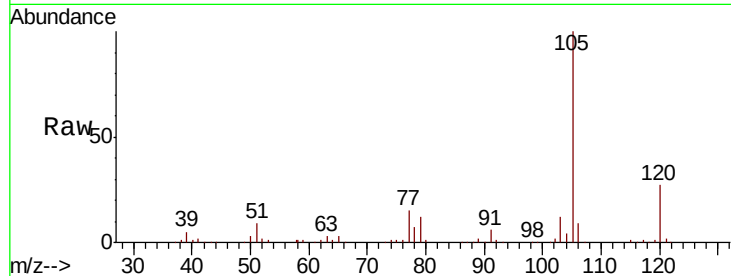
#73
Isopropylbenzene
Concen: 21.019 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion: 105 Resp: 110272
Ion Ratio Lower Upper
105 100
120 26.0 13.2 39.6

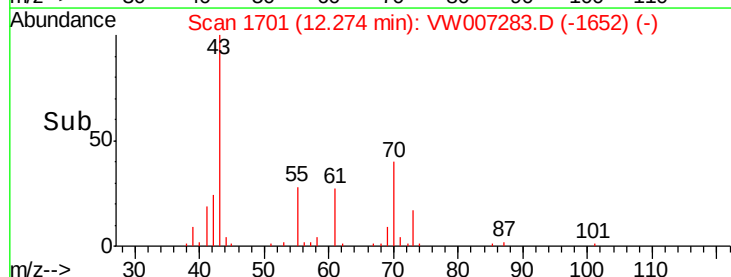
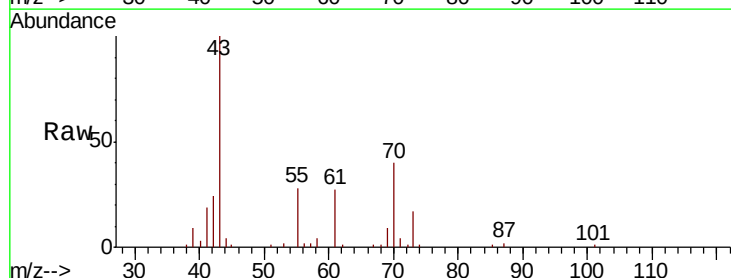
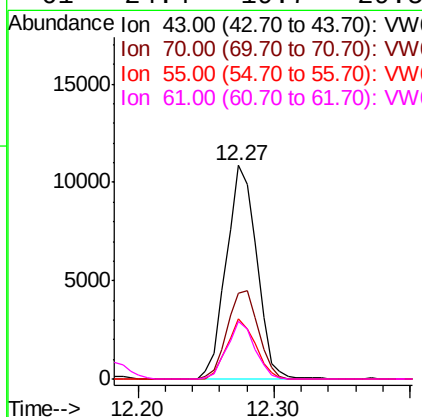
Manual Integrations
APPROVED

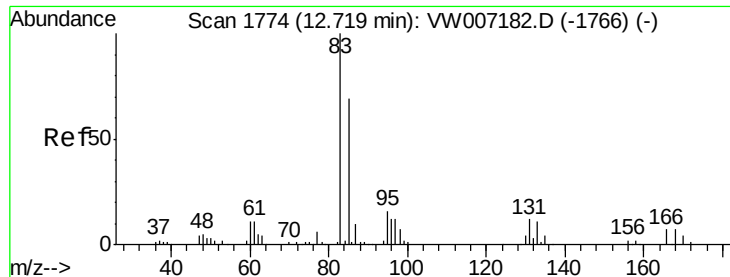
apatel
12/7/2018 12:19:56 PM



#74
N-ethyl acetate
Concen: 18.174 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 43 Resp: 16905
Ion Ratio Lower Upper
43 100
70 42.2 34.0 51.0
55 26.2 19.0 28.6
61 24.4 19.7 29.5





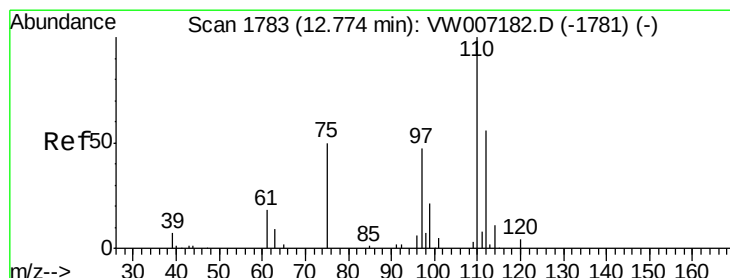
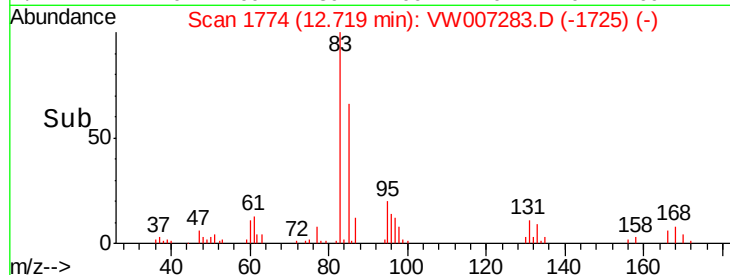
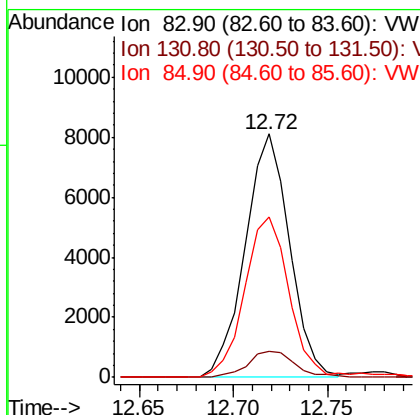
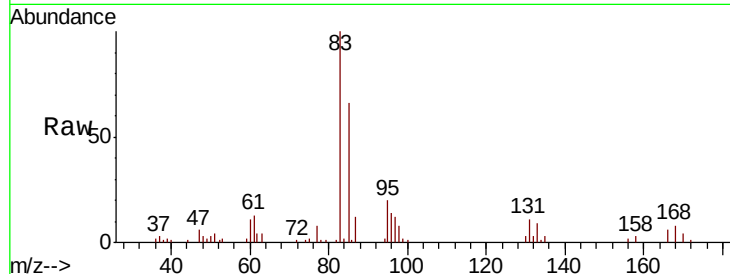
#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.388 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.5	6.0	18.1	
85	66.0	33.0	99.0	

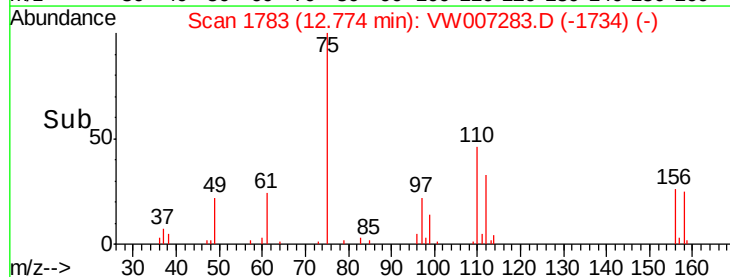
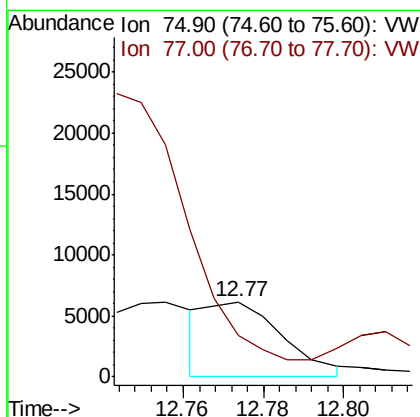
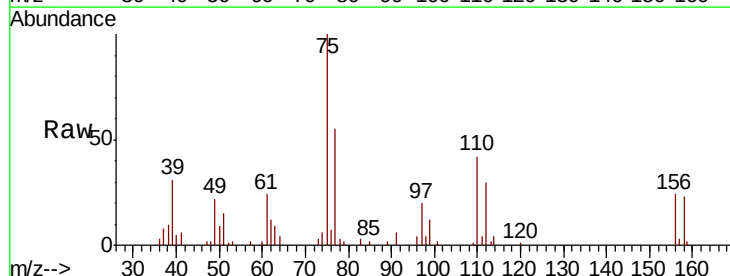
Manual Integrations
 APPROVED

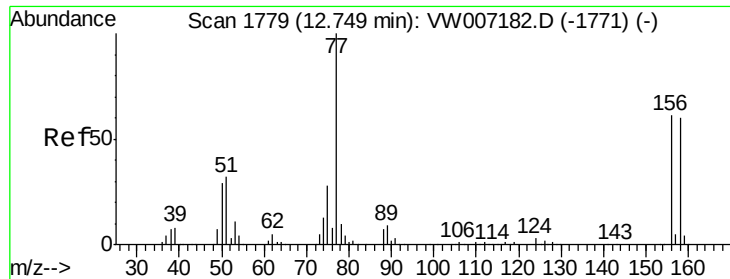
apatel
 12/7/2018 12:19:56 PM



#76
 1,2,3-Trichloropropane
 Concen: 16.328 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	516.4	0.0	0.0#	





#77

Bromobenzene

Concen: 20.592 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

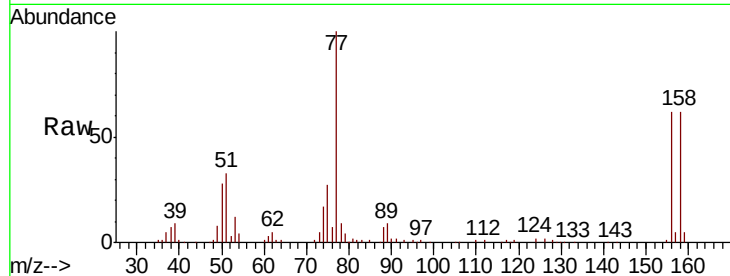
ClientSampleId :

VW1206SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.6	92.0	276.1	
158	98.5	49.0	147.0	

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM

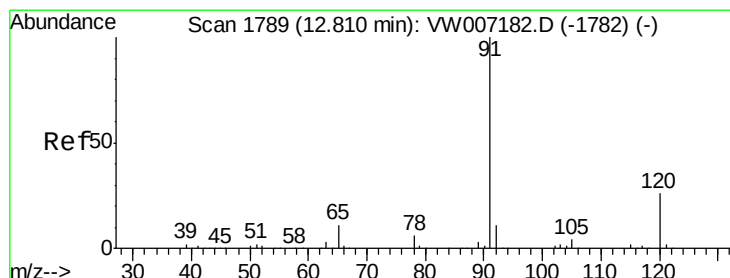
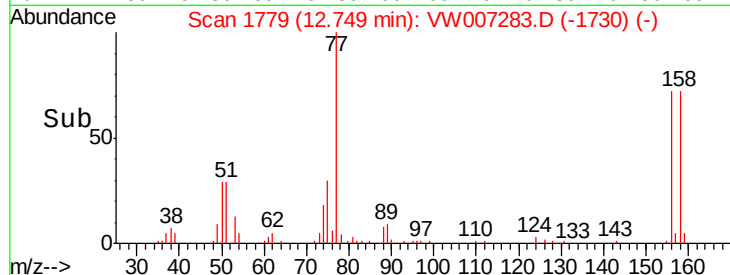
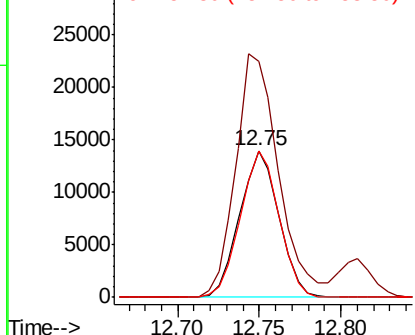


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.948 ug/l

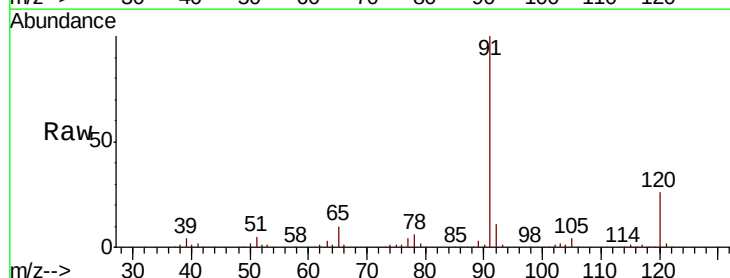
RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

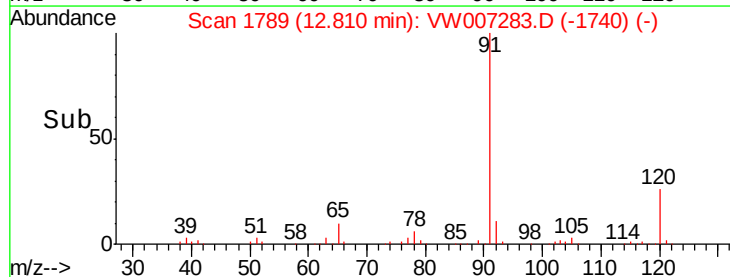
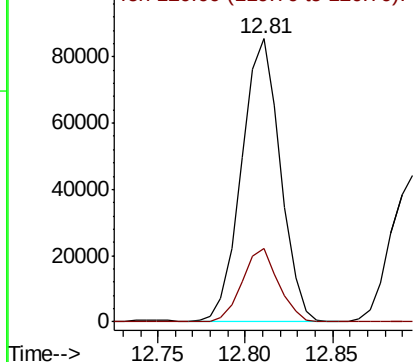
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.5	12.5	37.5	

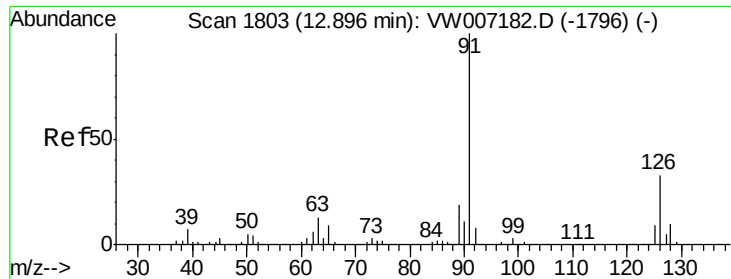


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.801 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleId :

VW1206SBS01

Tot Ion: 91 Resp: 73419

Ion Ratio Lower Upper

91 100

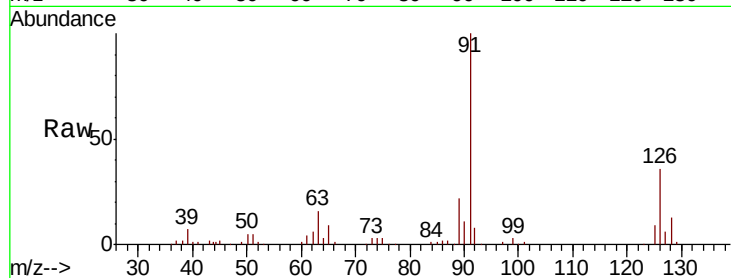
126 35.6 16.7 50.1

Manual Integrations

APPROVED

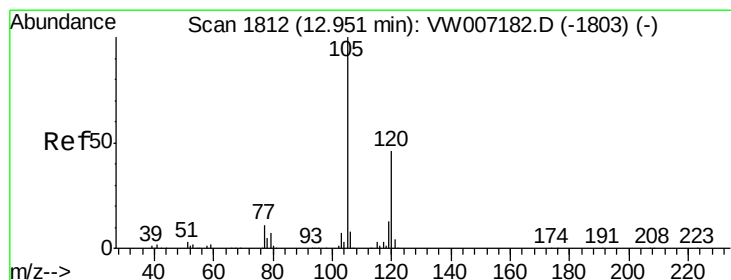
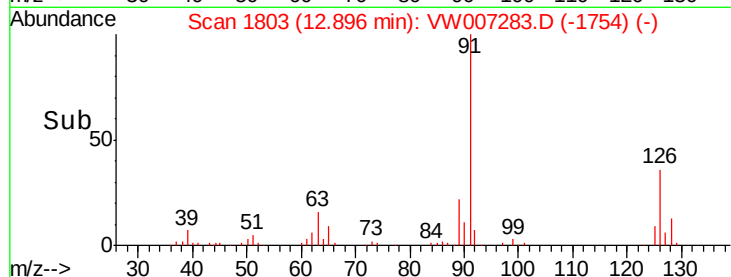
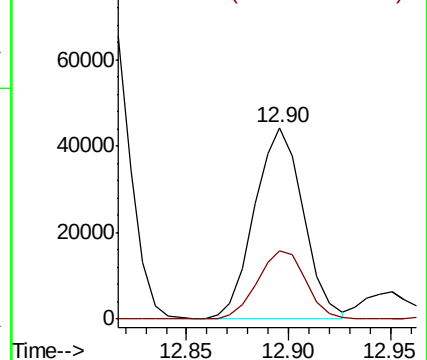
apatel

12/7/2018 12:19:56 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.021 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW007283.D

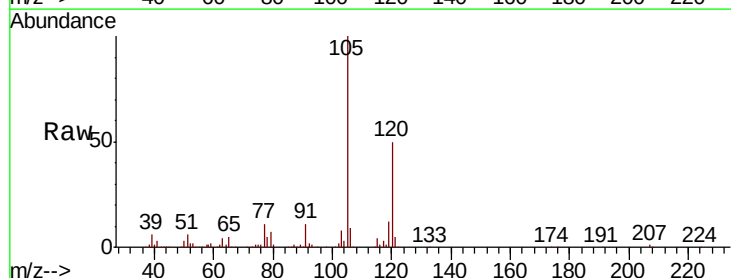
Acq: 06 Dec 2018 17:22

Tgt Ion:105 Resp: 94343

Ion Ratio Lower Upper

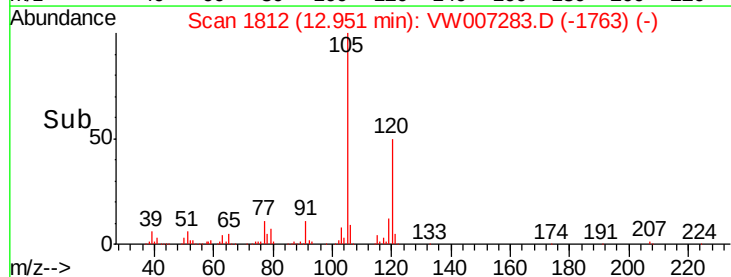
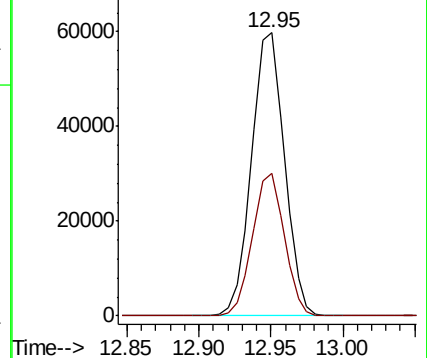
105 100

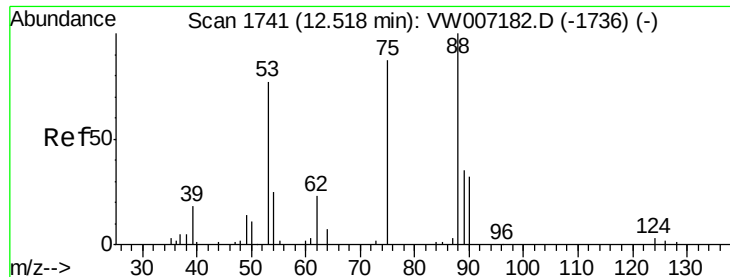
120 48.8 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.512 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

ClientSampleId :

VW1206SBS01

Tot Ion: 75 Resp: 4058

Ion Ratio Lower Upper

75 100

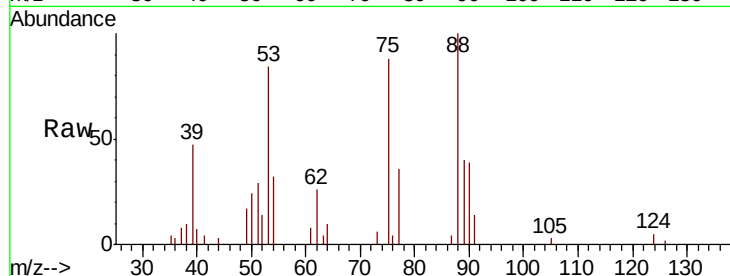
53 103.4 72.8 109.2

89 47.5 36.4 54.6

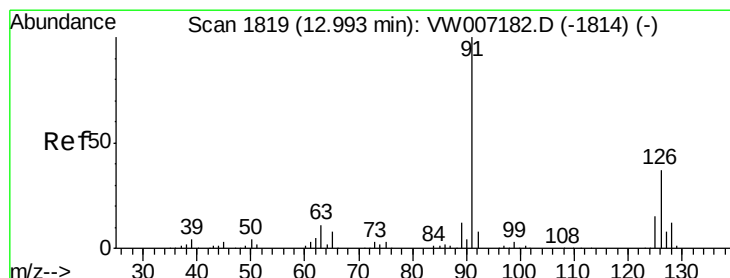
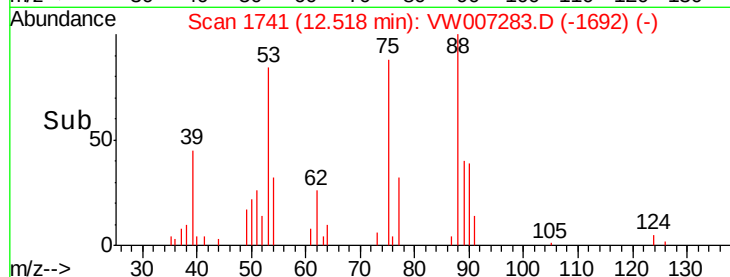
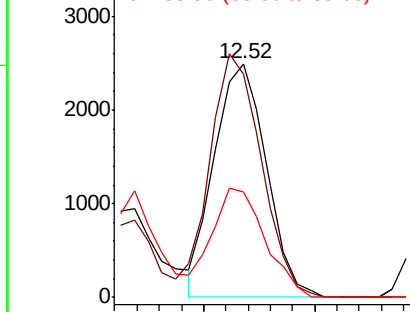
Manual Integrations
APPROVED

apatel

12/7/2018 12:19:56 PM



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 21.405 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007283.D

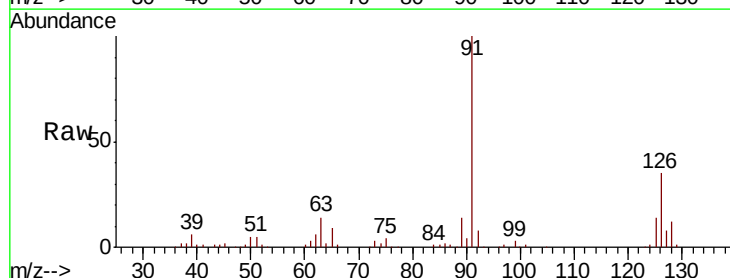
Acq: 06 Dec 2018 17:22

Tgt Ion: 91 Resp: 80373

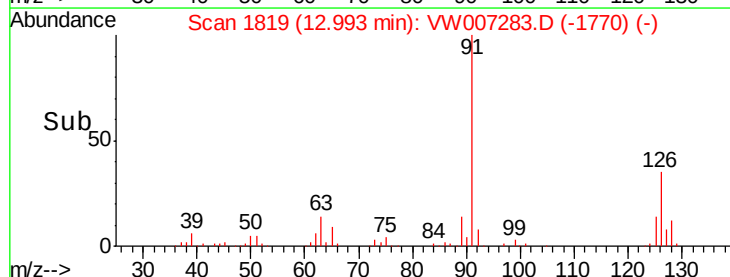
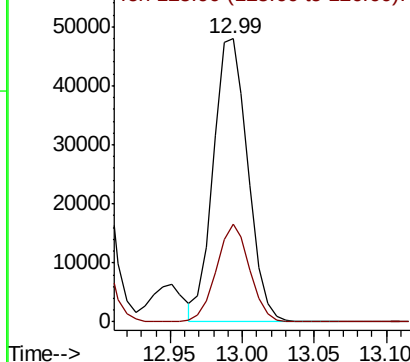
Ion Ratio Lower Upper

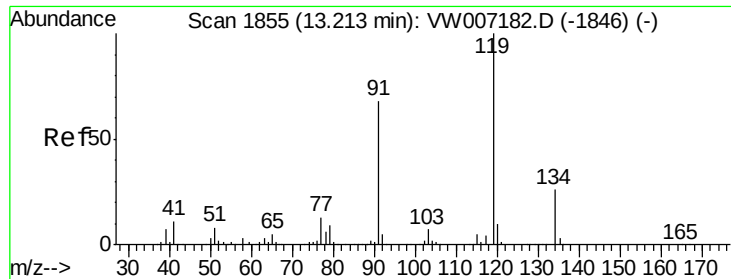
91 100

126 33.2 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V





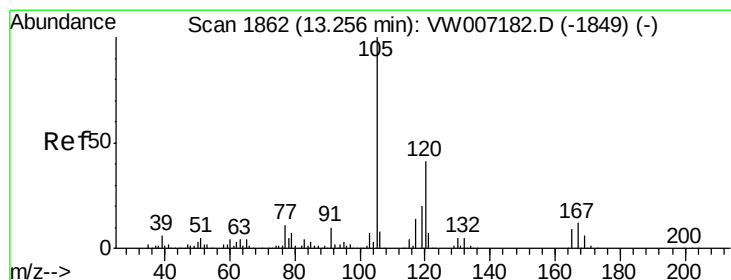
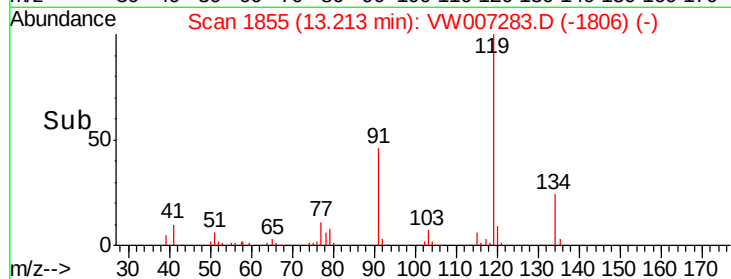
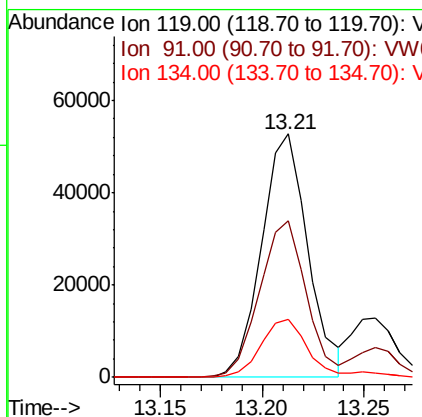
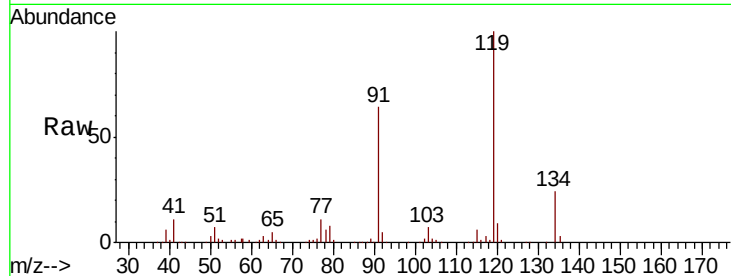
#83
 tert-Butylbenzene
 Concen: 21.277 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	34.0	101.8
134	23.9	13.2	39.5

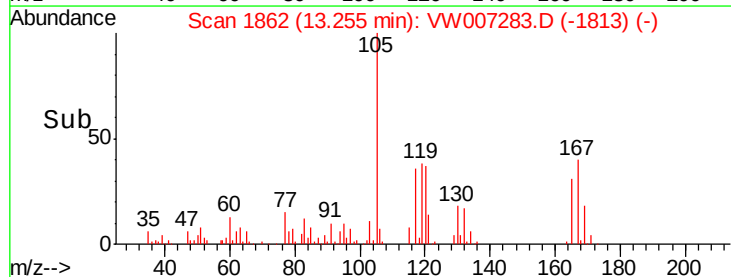
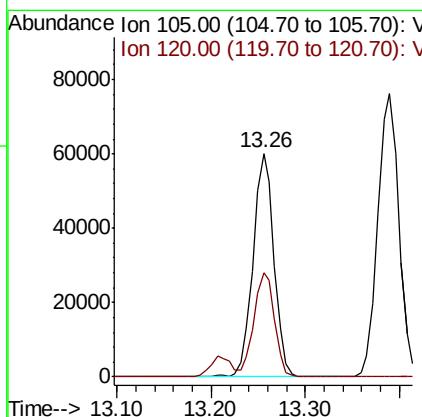
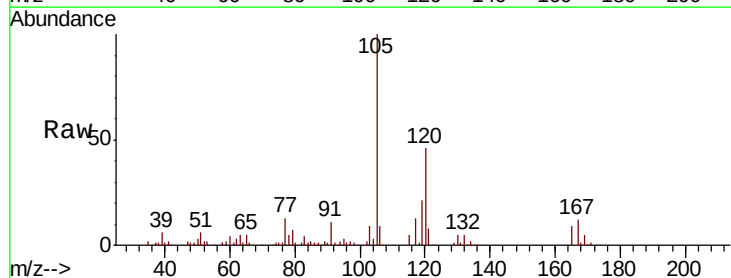
Manual Integrations
 APPROVED

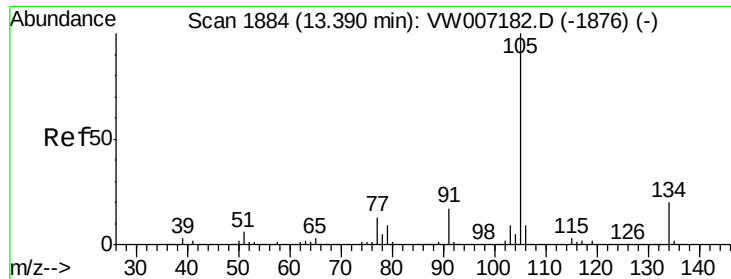
apatel
 12/7/2018 12:19:56 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.586 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	21.1	63.3





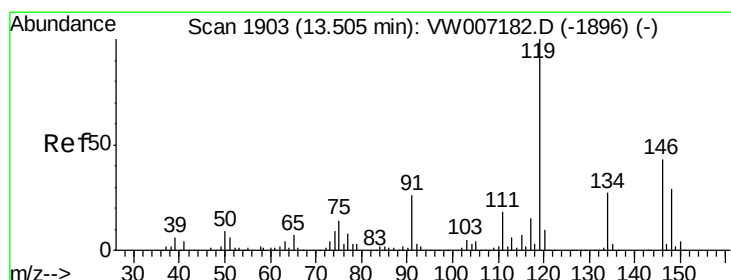
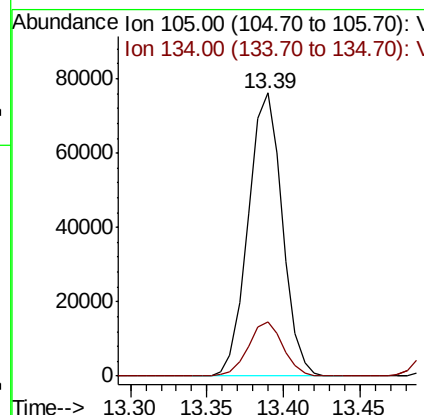
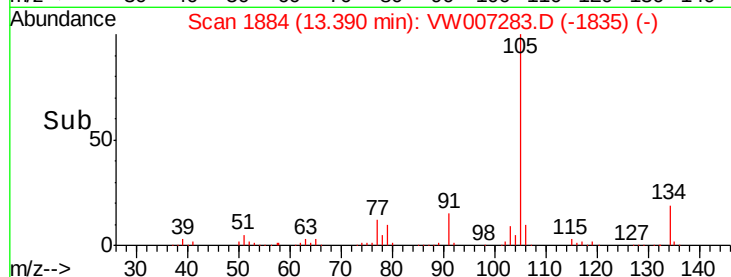
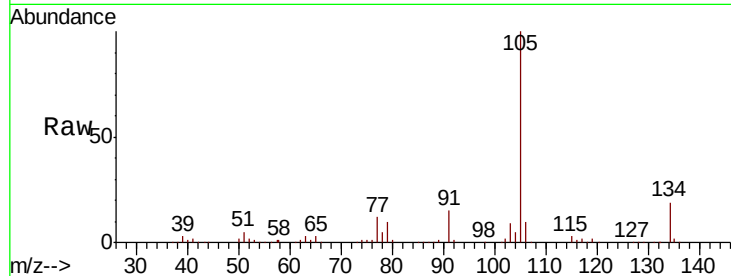
#85
 sec-Butylbenzene
 Concen: 21.132 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion:105 Resp: 118325
 Ion Ratio Lower Upper
 105 100
 134 19.6 10.3 30.8

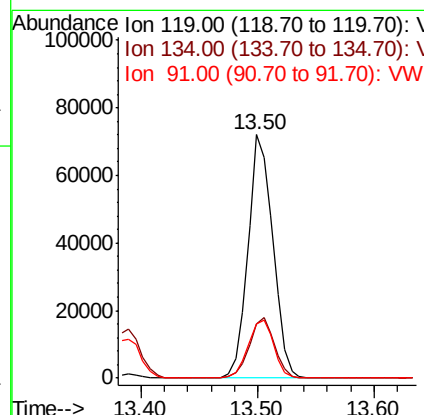
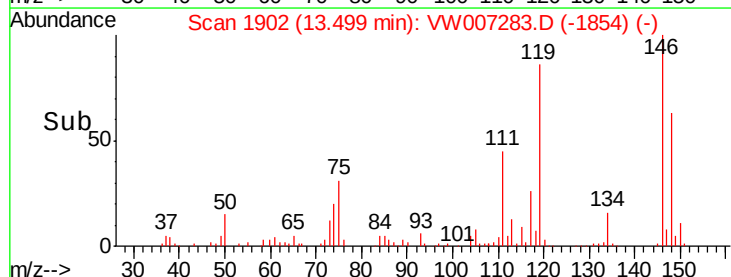
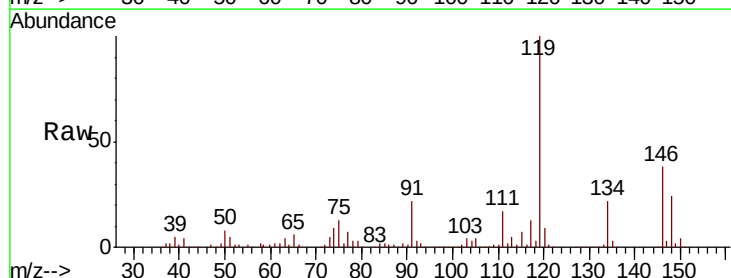
Manual Integrations
 APPROVED

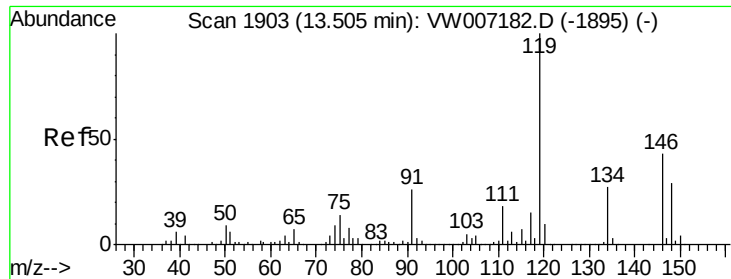
apatel
 12/7/2018 12:19:56 PM



#86
 p-Isopropyltoluene
 Concen: 21.562 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion:119 Resp: 107477
 Ion Ratio Lower Upper
 119 100
 134 25.1 13.2 39.6
 91 24.6 12.4 37.2





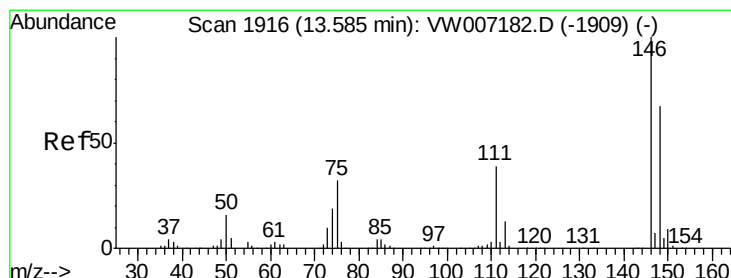
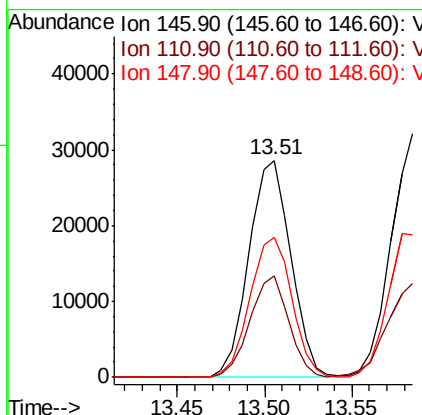
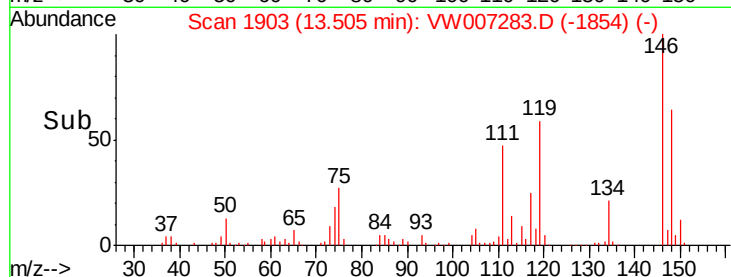
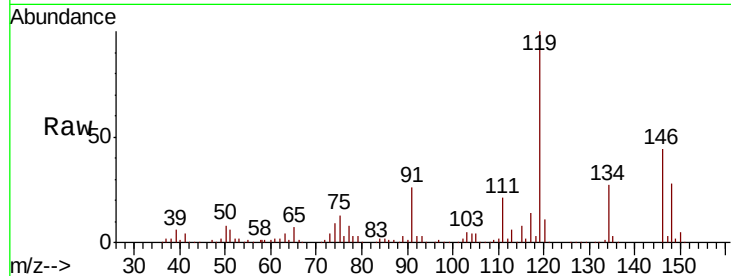
#87
 1,3-Dichlorobenzene
 Concen: 20.553 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.1	63.4
148	64.4	32.8	98.4

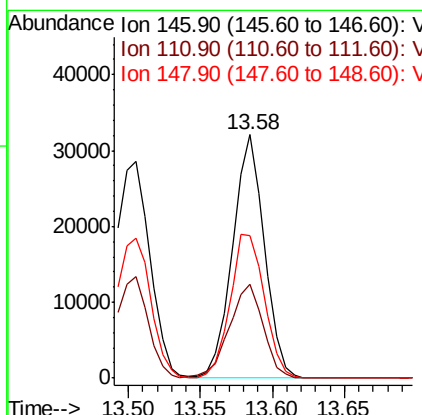
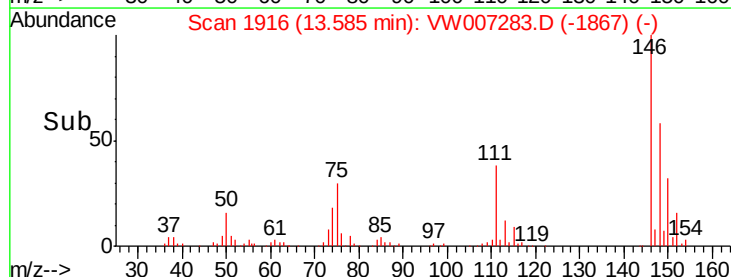
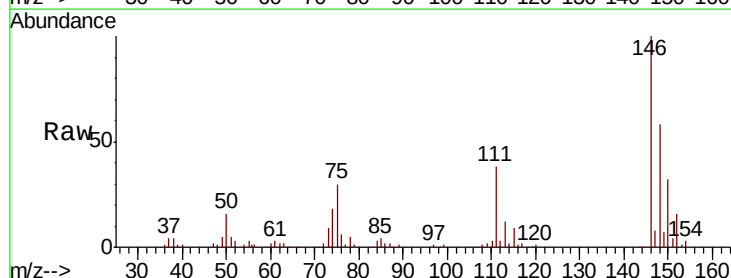
Manual Integrations
 APPROVED

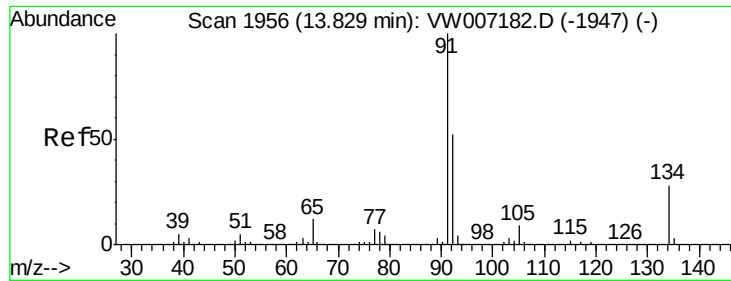
apatel
 12/7/2018 12:19:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.005 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.6	58.8
148	64.0	32.6	98.0





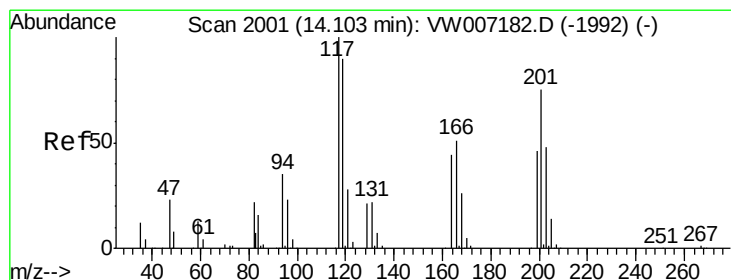
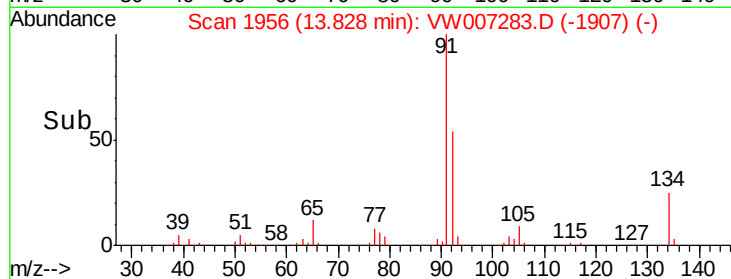
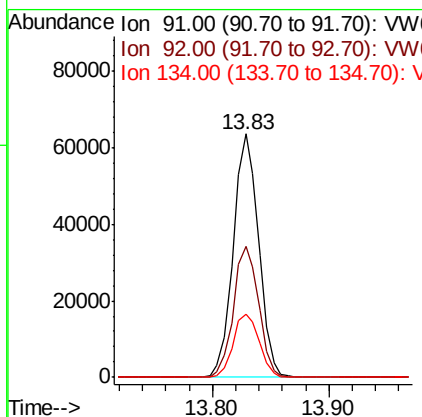
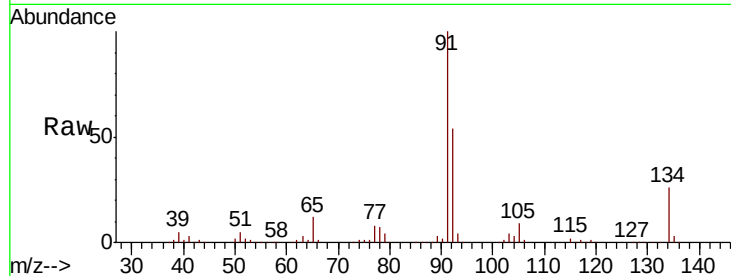
#89
n-Butylbenzene
Concen: 20.694 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_W
ClientSampleId :
VW1206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.5	79.5
134	27.0	14.1	42.2

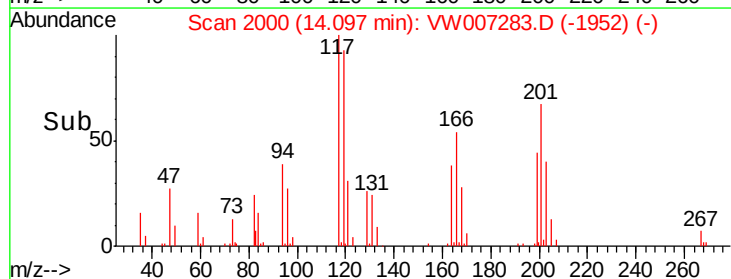
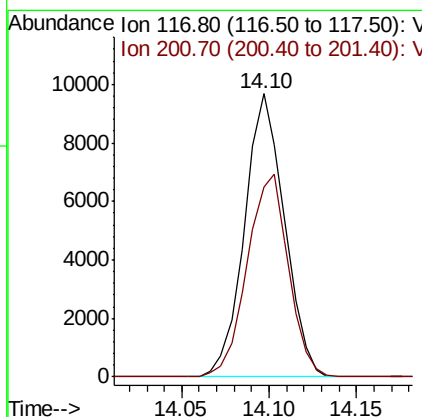
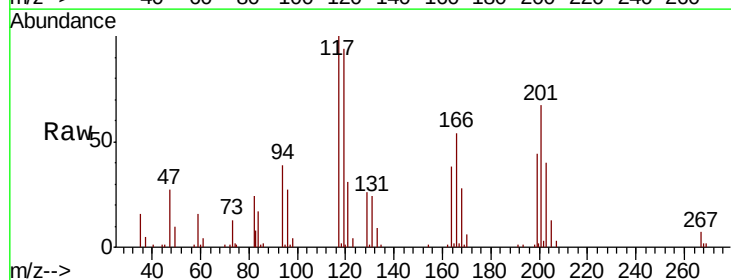
Manual Integrations
APPROVED

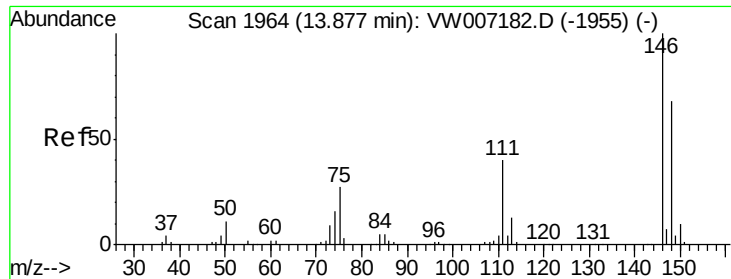
apatel
12/7/2018 12:19:56 PM



#90
Hexachloroethane
Concen: 20.202 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW007283.D
Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.1	36.0	108.1





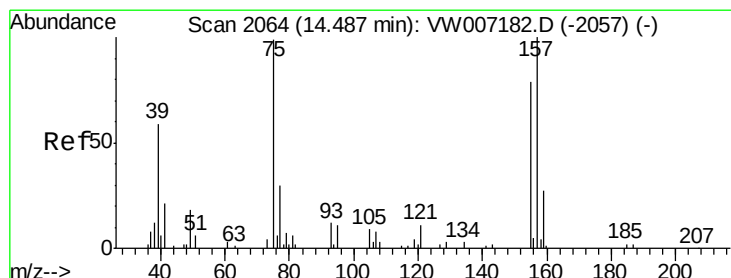
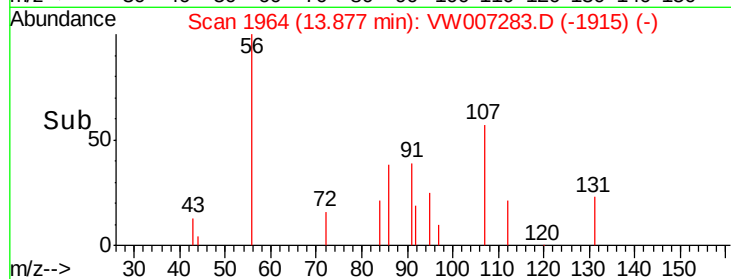
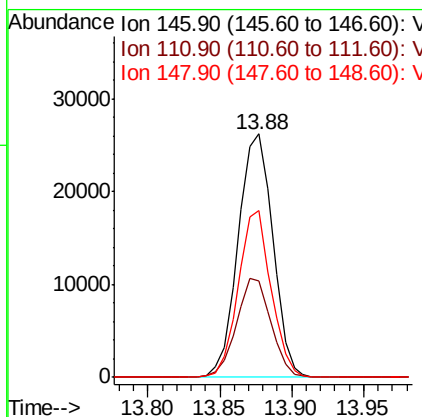
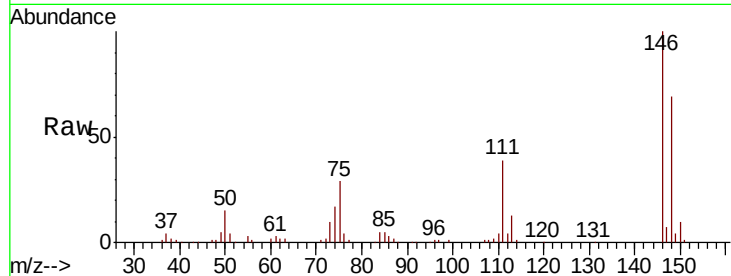
#91
 1,2-Dichlorobenzene
 Concen: 21.833 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.6	65.0
148	64.5	32.7	98.1

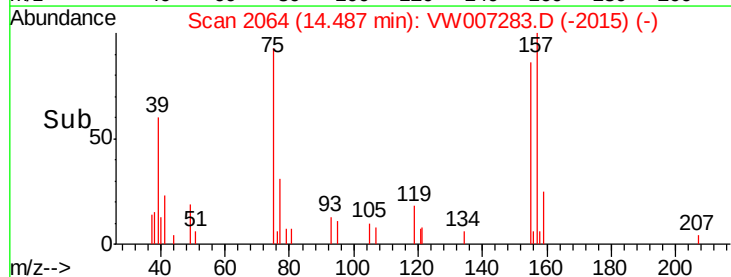
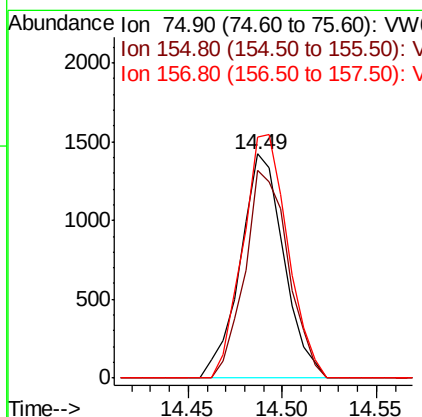
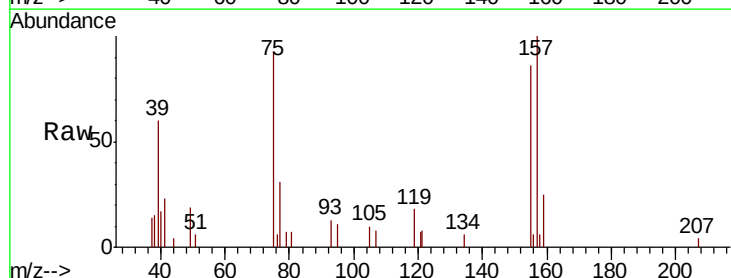
Manual Integrations
 APPROVED

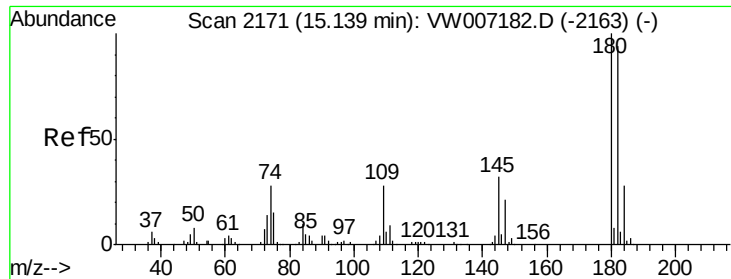
apatel
 12/7/2018 12:19:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.388 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	42.4	127.2
157	111.0	55.3	165.9





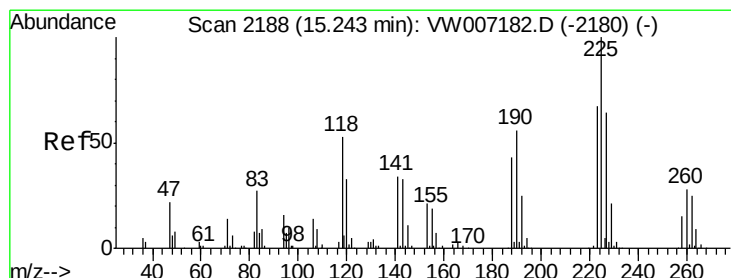
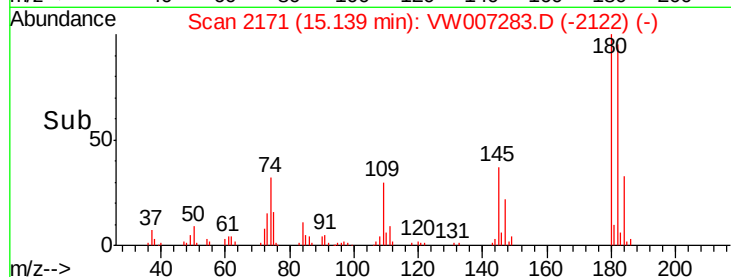
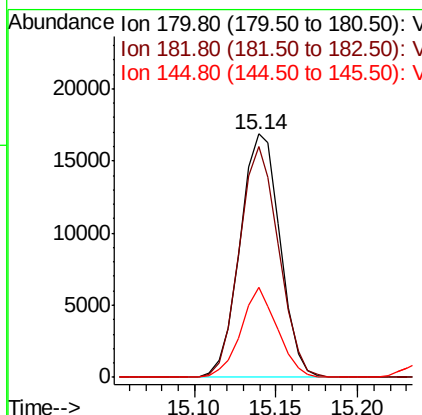
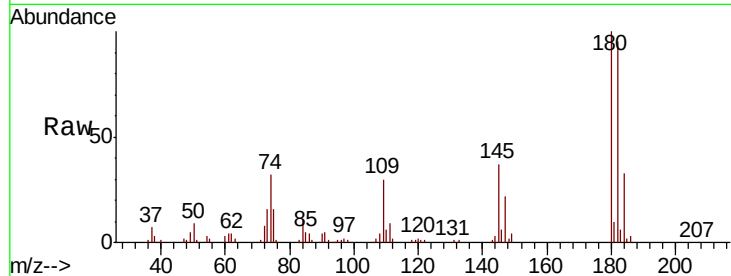
#93
 1,2,4-Trichlorobenzene
 Concen: 20.633 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1206SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.8
145	33.5	16.6	49.7

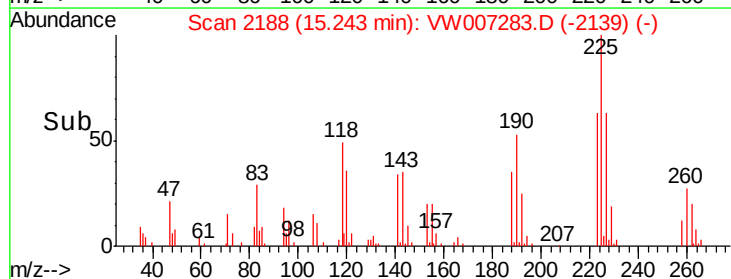
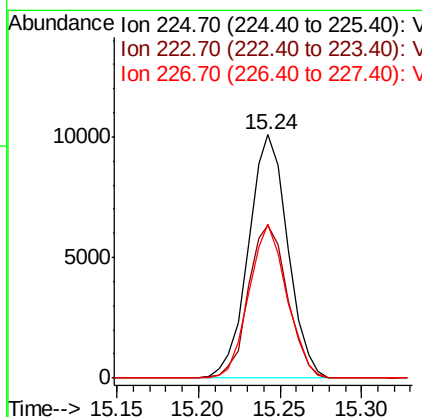
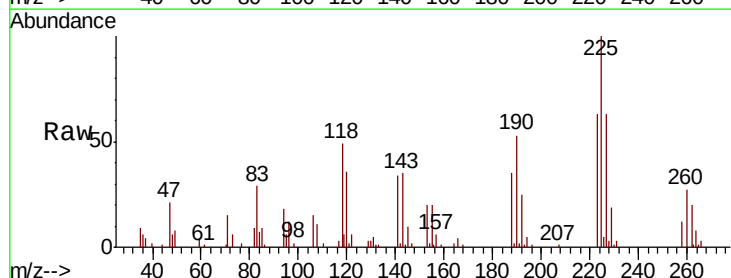
Manual Integrations
 APPROVED

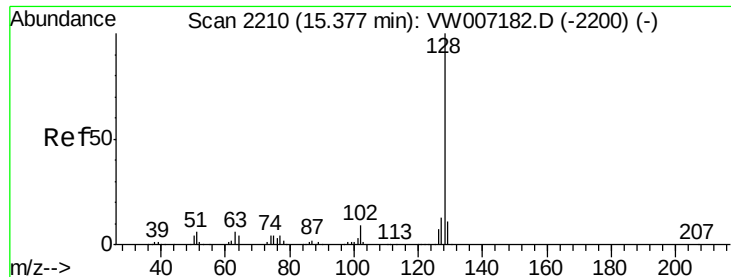
apatel
 12/7/2018 12:19:56 PM



#94
 Hexachlorobutadiene
 Concen: 22.417 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007283.D
 Acq: 06 Dec 2018 17:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	32.3	96.8
227	60.9	32.1	96.3





#95

Naphthalene

Concen: 18.820 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_W

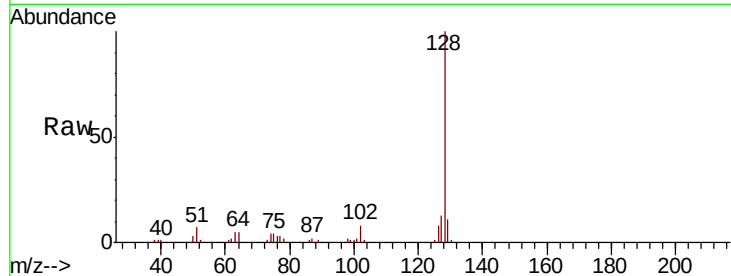
ClientSampleId :

VW1206SBS01

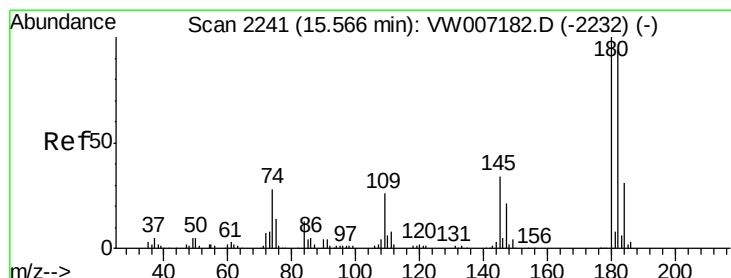
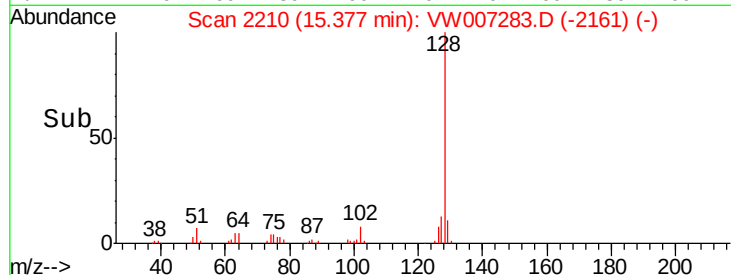
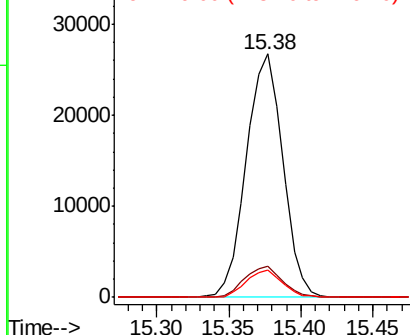
Tot Ion:	128	Resp:	47042
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

apatel
12/7/2018 12:19:56 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.949 ug/l

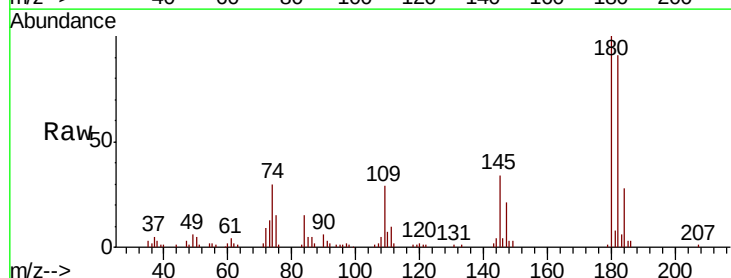
RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007283.D

Acq: 06 Dec 2018 17:22

Tgt Ion:	180	Resp:	23461
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.4	142.2
145	35.0	17.6	52.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

