

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
 Data File : VW006783.D
 Acq On : 09 Nov 2018 12:41
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 11/12/2018 3:40:30 PM

Quant Time: Nov 09 14:06:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 09 12:09:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	290204	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	385080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383682	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	221174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	23179	9.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.58%	
35) Dibromofluoromethane	7.89	113	23386	9.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.36%	
50) Toluene-d8	10.33	98	98997	10.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.52%	
62) 4-Bromofluorobenzene	12.62	95	35670	10.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	28568	18.989	ug/l	98
3) Chloromethane	2.21	50	32312	17.359	ug/l	98
4) Vinyl Chloride	2.36	62	33376	12.842	ug/l	98
5) Bromomethane	2.78	94	23888	10.952	ug/l	100
6) Chloroethane	2.92	64	22099	12.169	ug/l	92
7) Trichlorofluoromethane	3.26	101	40886	17.814	ug/l	97
8) Diethyl Ether	3.69	74	11024	8.787	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.07	101	27410	11.184	ug/l	99
10) Methyl Iodide	4.28	142	34824	7.837	ug/l	99
11) Tert butyl alcohol	5.22	59	7361	54.767	ug/l #	97
12) 1,1-Dichloroethene	4.04	96	21562	9.109	ug/l	97
13) Acrolein	3.91	56	7289	43.118	ug/l	99
14) Allyl chloride	4.68	41	28176	9.119	ug/l	98
15) Acrylonitrile	5.39	53	22035	48.983	ug/l	99
16) Acetone	4.15	43	15928	39.548	ug/l	98
17) Carbon Disulfide	4.39	76	69399	10.303	ug/l	98
18) Methyl Acetate	4.69	43	10844	9.363	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	51128	14.511	ug/l	96
20) Methylene Chloride	4.93	84	34537	11.014	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	26225	9.791	ug/l	92
22) Diisopropyl ether	6.32	45	58541	9.088	ug/l	99
23) Vinyl Acetate	6.26	43	167759	46.963	ug/l	100
24) 1,1-Dichloroethane	6.23	63	39742	9.103	ug/l	97
25) 2-Butanone	7.18	43	26167	45.531	ug/l	98
26) 2,2-Dichloropropane	7.17	77	39913	15.177	ug/l	96
27) cis-1,2-Dichloroethene	7.18	96	27483	9.171	ug/l	96
28) Bromochloromethane	7.52	49	14539	8.387	ug/l	99
29) Tetrahydrofuran	7.54	42	16978	46.968	ug/l	97
30) Chloroform	7.68	83	44493	9.296	ug/l	96
31) Cyclohexane	7.96	56	43609	10.975	ug/l #	95
32) 1,1,1-Trichloroethane	7.88	97	43912	10.842	ug/l	99
36) 1,1-Dichloropropene	8.09	75	37002	10.927	ug/l	99
37) Ethyl Acetate	7.26	43	13383	11.404	ug/l	97
38) Carbon Tetrachloride	8.07	117	40023	11.311	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
 Data File : VW006783.D
 Acq On : 09 Nov 2018 12:41
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 11/12/2018 3:40:30 PM

Quant Time: Nov 09 14:06:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 09 12:09:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	44557	10.368	ug/l	98
40) Benzene	8.33	78	102717	10.679	ug/l	99
41) Methacrylonitrile	7.49	41	7476	10.389	ug/l	96
42) 1,2-Dichloroethane	8.41	62	28346	10.276	ug/l	99
43) Isopropyl Acetate	8.43	43	22792	9.733	ug/l	99
44) Trichloroethene	9.10	130	31472	10.603	ug/l	100
45) 1,2-Dichloropropane	9.37	63	24356	10.881	ug/l	95
46) Dibromomethane	9.46	93	13679	10.396	ug/l	99
47) Bromodichloromethane	9.65	83	32766	10.724	ug/l	97
48) Methyl methacrylate	9.44	41	10679	9.465	ug/l	97
49) 1,4-Dioxane	9.48	88	4032	209.377	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	59908	49.811	ug/l	98
52) Toluene	10.39	92	71273	11.048	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	29734	10.112	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	36275	10.440	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	19402	10.392	ug/l	98
56) Ethyl methacrylate	10.65	69	19716	9.291	ug/l	96
57) 1,3-Dichloropropane	10.93	76	30896	10.191	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	50423	48.882	ug/l	98
59) 2-Hexanone	10.98	43	40136	49.135	ug/l	96
60) Dibromochloromethane	11.13	129	22900	10.352	ug/l	98
61) 1,2-Dibromoethane	11.24	107	18639	10.053	ug/l	99
64) Tetrachloroethene	10.87	164	31041	10.149	ug/l	99
65) Chlorobenzene	11.66	112	85721	10.617	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	26667	9.397	ug/l	99
67) Ethyl Benzene	11.74	91	138147	10.237	ug/l	100
68) m/p-Xylenes	11.85	106	112490	20.864	ug/l	100
69) o-Xylene	12.17	106	50977	9.931	ug/l	99
70) Styrene	12.18	104	81924	9.790	ug/l	100
71) Bromoform	12.35	173	13858	9.212	ug/l #	99
73) Isopropylbenzene	12.47	105	137665	9.449	ug/l	100
74) N-amyl acetate	12.28	43	22193	8.815	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	21610	9.391	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	15620m	9.052	ug/l	
77) Bromobenzene	12.75	156	37605	9.969	ug/l	99
78) n-propylbenzene	12.81	91	166604	9.941	ug/l	100
79) 2-Chlorotoluene	12.90	91	94623	9.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	123120	10.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5298	8.916	ug/l	94
82) 4-Chlorotoluene	12.99	91	103178	10.140	ug/l	98
83) tert-Butylbenzene	13.21	119	104509	9.574	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	125957	10.032	ug/l	100
85) sec-Butylbenzene	13.39	105	151732	9.925	ug/l	99
86) p-Isopropyltoluene	13.51	119	137232	9.865	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	77242	10.397	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	77568	10.533	ug/l	97
89) n-Butylbenzene	13.83	91	128875	10.436	ug/l	98
90) Hexachloroethane	14.10	117	21215	9.279	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	68545	10.257	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3402	9.111	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
Data File : VW006783.D
Acq On : 09 Nov 2018 12:41
Operator : SY/AP
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

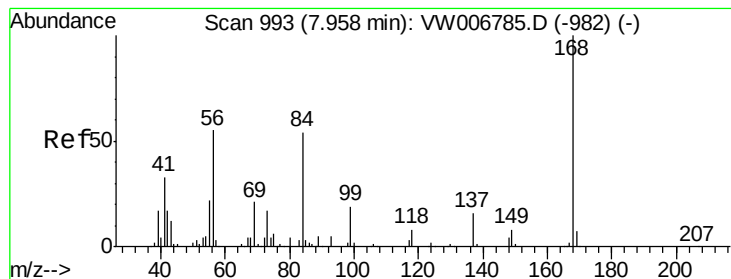
Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM

Quant Time: Nov 09 14:06:06 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 09 12:09:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	49843	10.031	ug/l	100
94) Hexachlorobutadiene	15.24	225	32688	10.555	ug/l	98
95) Naphthalene	15.38	128	70564	8.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	43536	9.969	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 290204

Ion Ratio Lower Upper

168 100

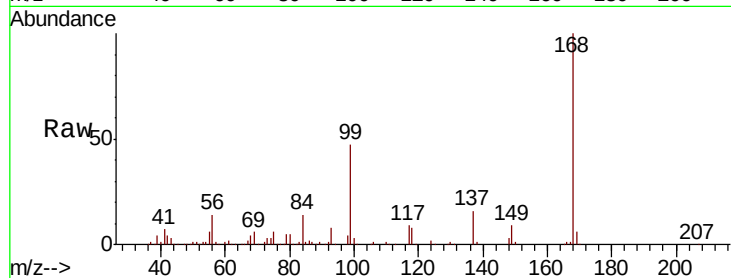
99 47.2 37.4 56.0

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

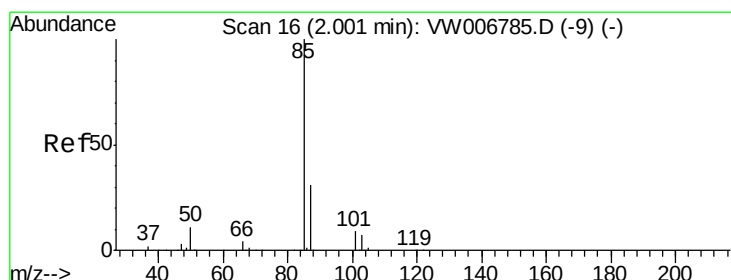
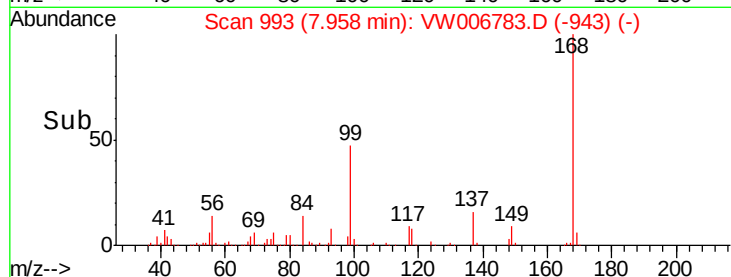
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.989 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.02 min

Lab File: VW006783.D

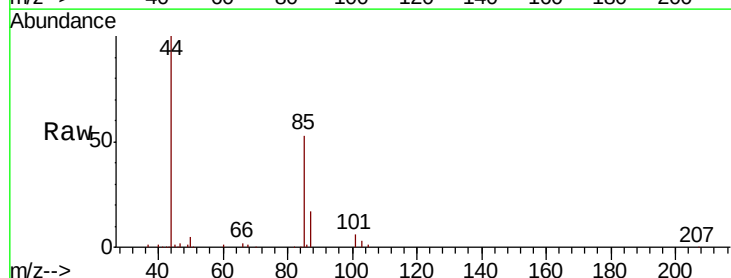
Acq: 09 Nov 2018 12:41

Tgt Ion: 85 Resp: 28568

Ion Ratio Lower Upper

85 100

87 32.1 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

20000

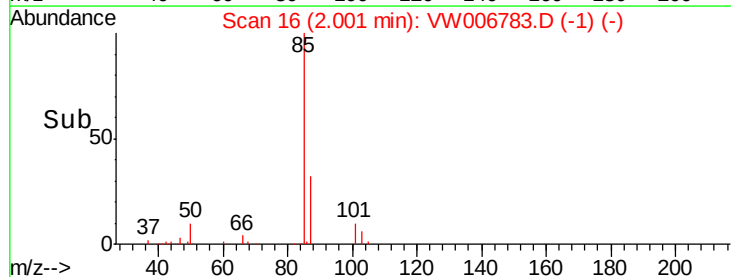
15000

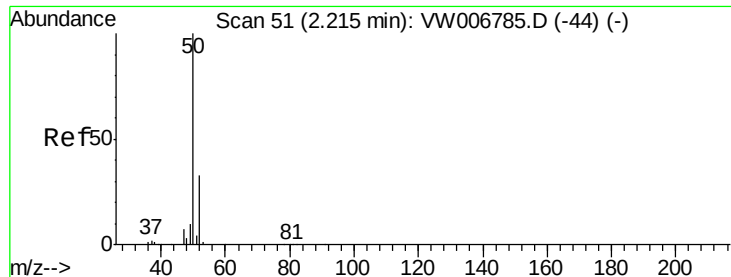
10000

5000

0

Time--> 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 17.359 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 32312

Ion Ratio Lower Upper

50 100

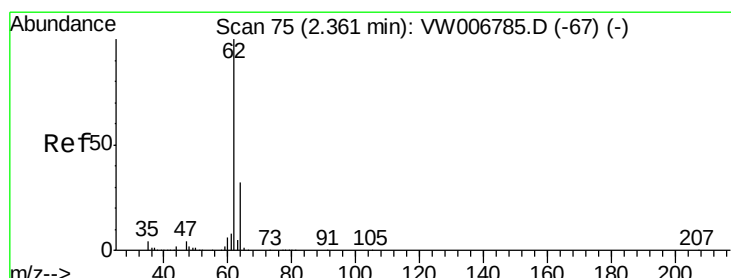
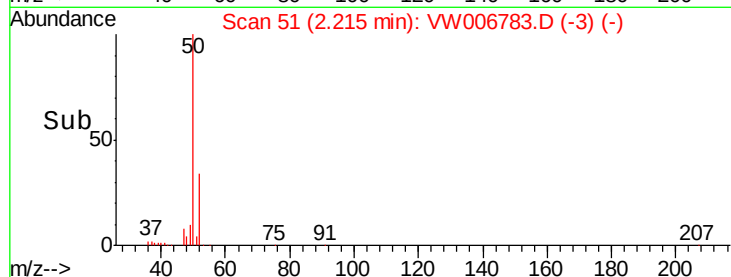
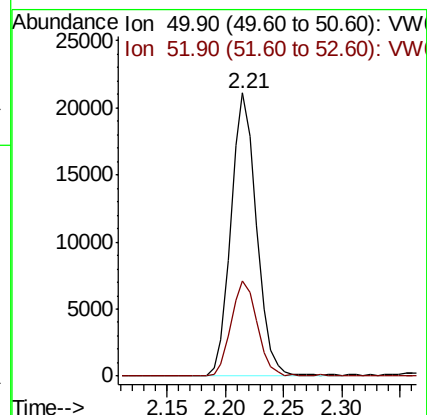
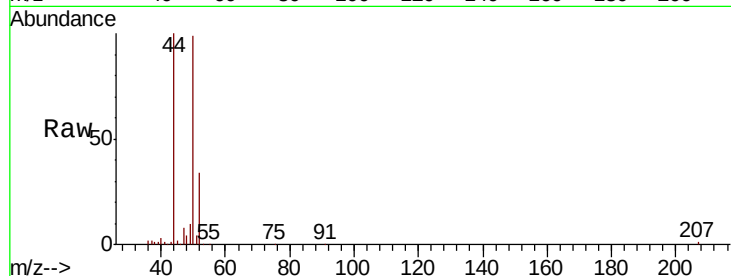
52 33.8 26.2 39.4

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#4

Vinyl Chloride

Concen: 12.842 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW006783.D

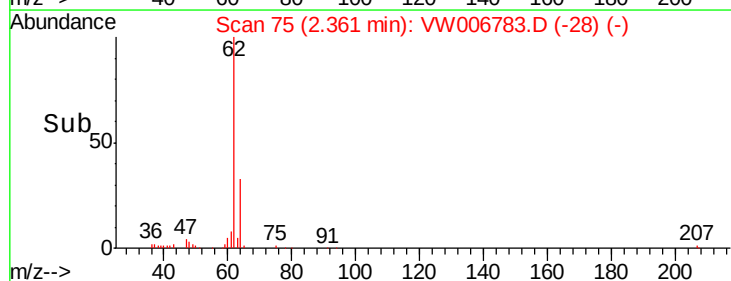
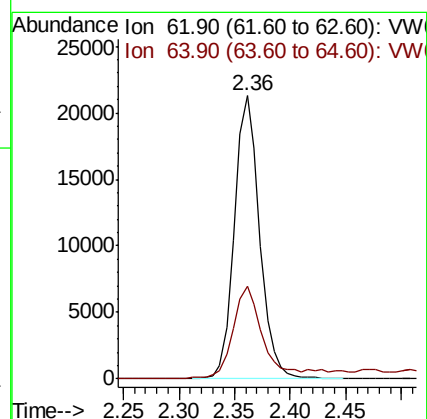
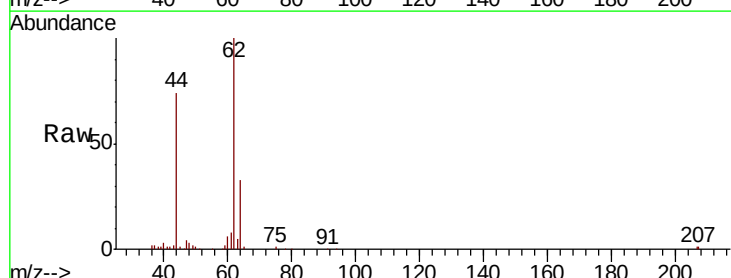
Acq: 09 Nov 2018 12:41

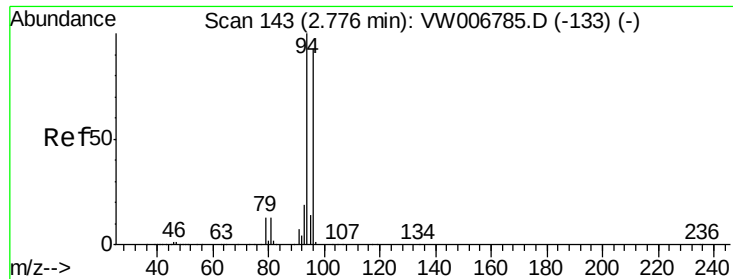
Tgt Ion: 62 Resp: 33376

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0





#5

Bromomethane

Concen: 10.952 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.02 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 23888

Ion Ratio Lower Upper

94 100

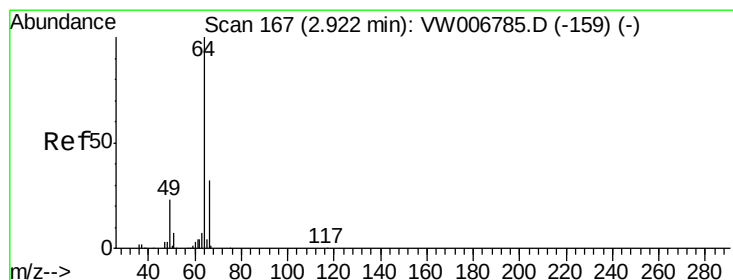
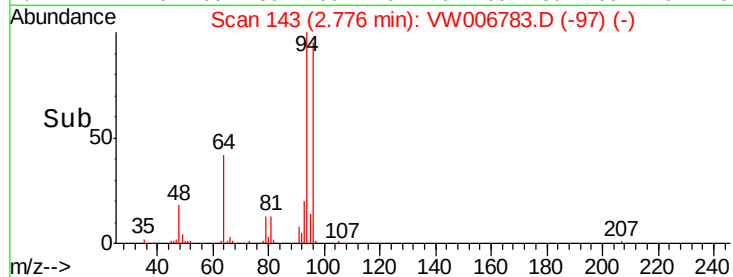
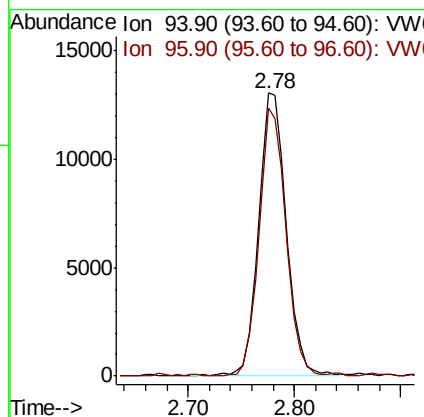
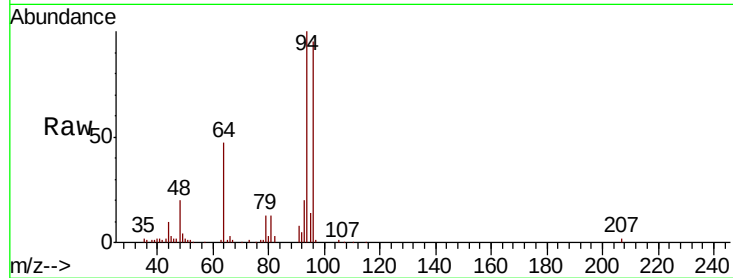
96 94.4 75.7 113.5

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#6

Chloroethane

Concen: 12.169 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW006783.D

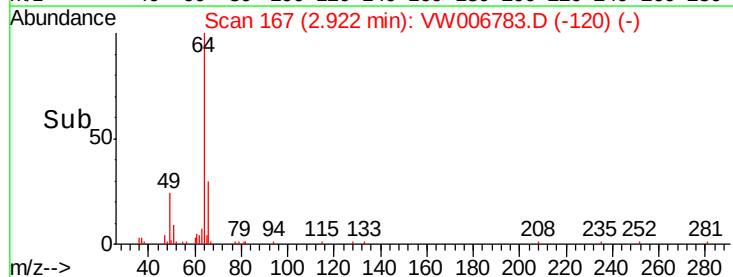
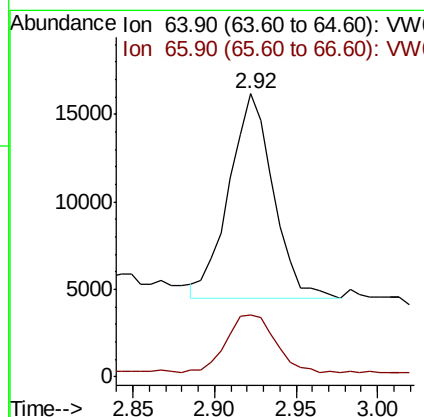
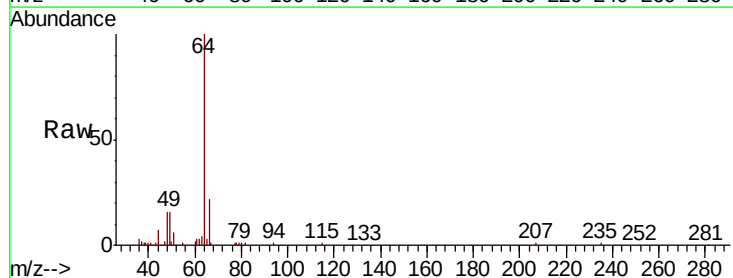
Acq: 09 Nov 2018 12:41

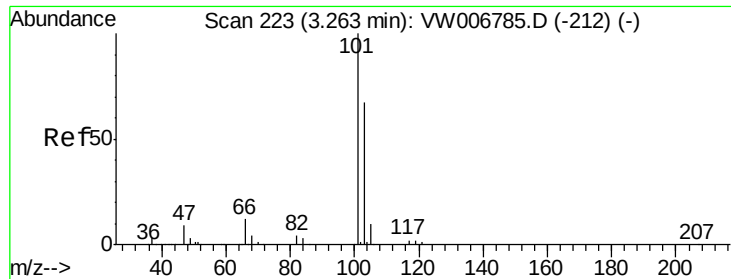
Tgt Ion: 64 Resp: 22099

Ion Ratio Lower Upper

64 100

66 27.9 25.9 38.9





#7

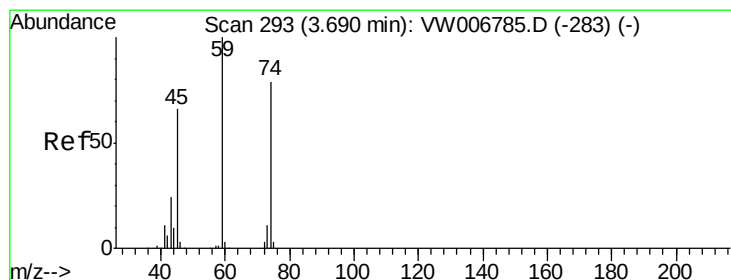
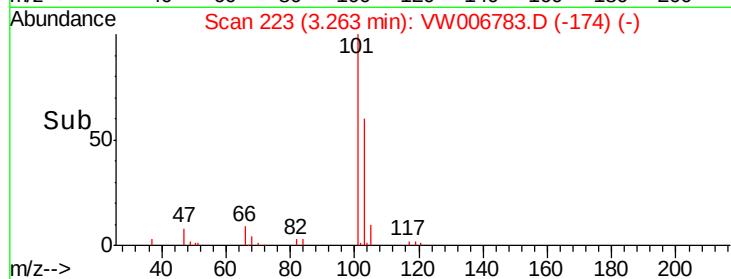
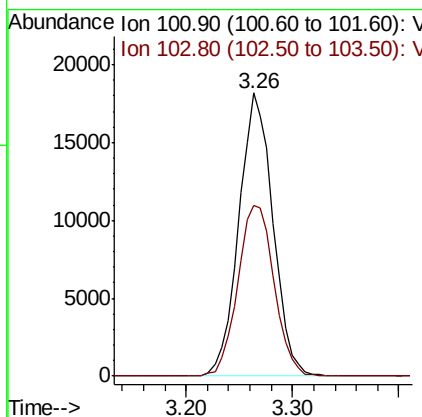
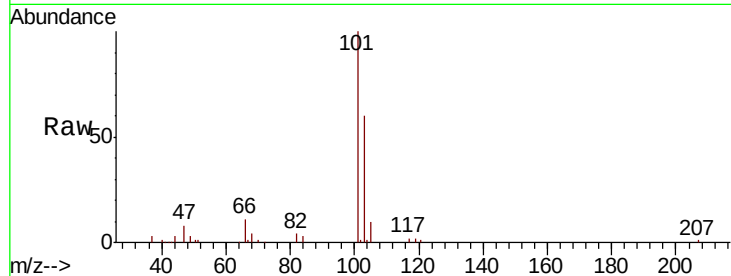
Trichlorofluoromethane
 Concen: 17.814 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.3	49.8	74.8

Manual Integrations
 APPROVED

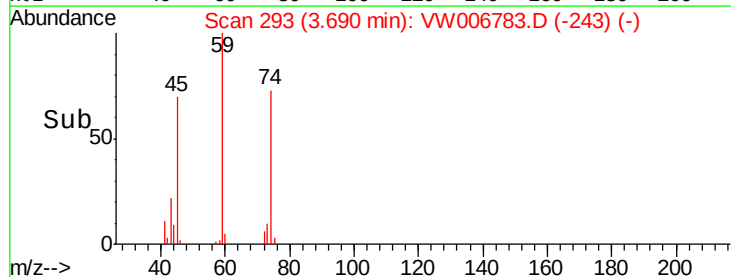
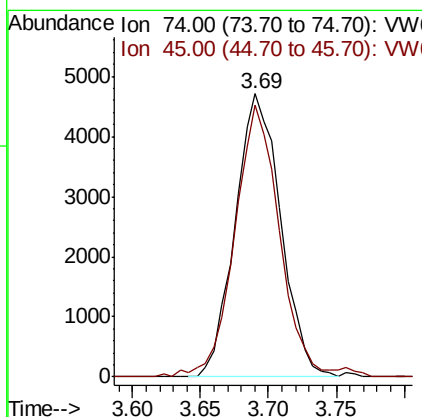
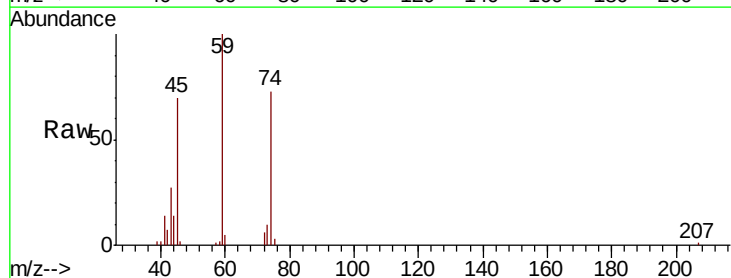
apatel
 11/12/2018 3:40:30 PM

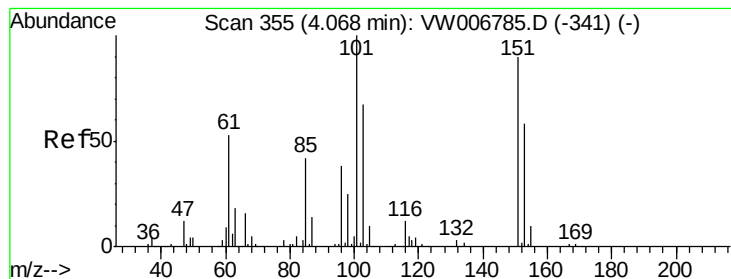


#8

Diethyl Ether
 Concen: 8.787 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.184 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

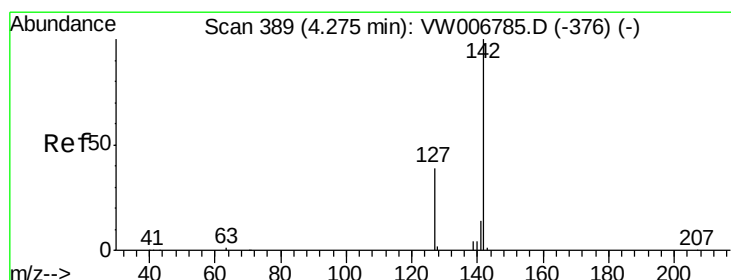
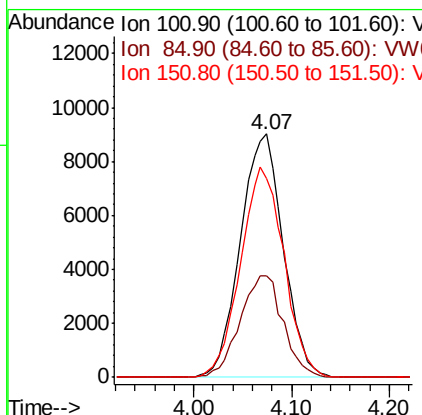
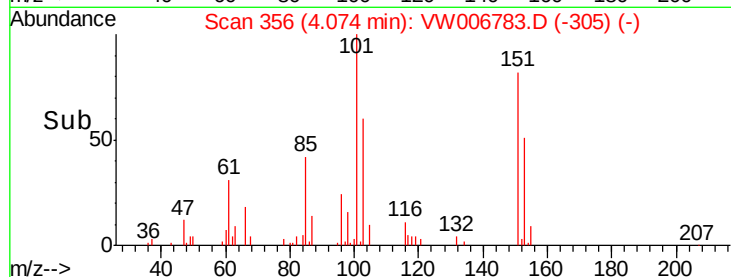
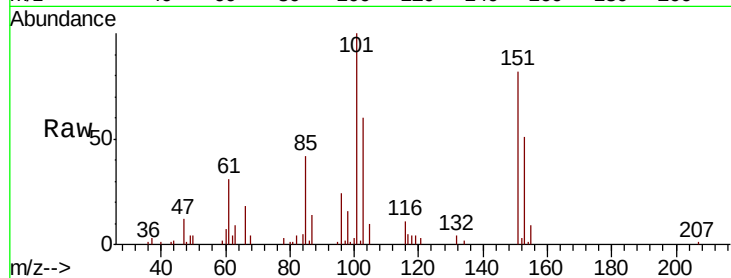
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	27410
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.2
151	87.2	70.7	106.1

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM



#10

Methyl Iodide

Concen: 7.837 ug/l

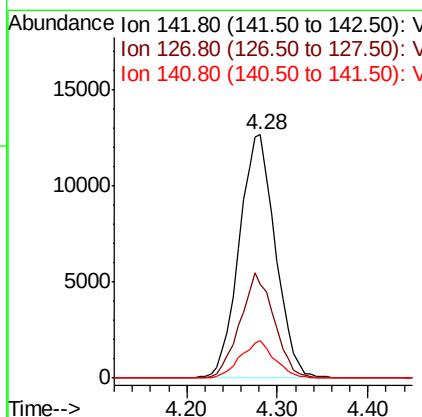
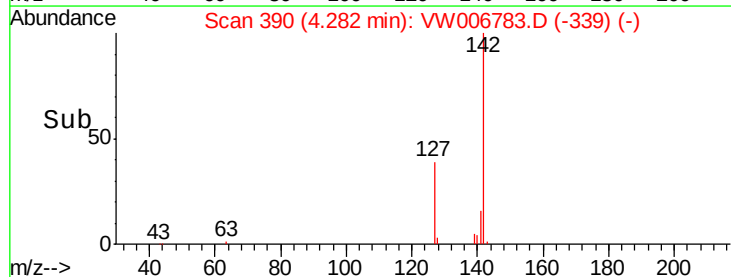
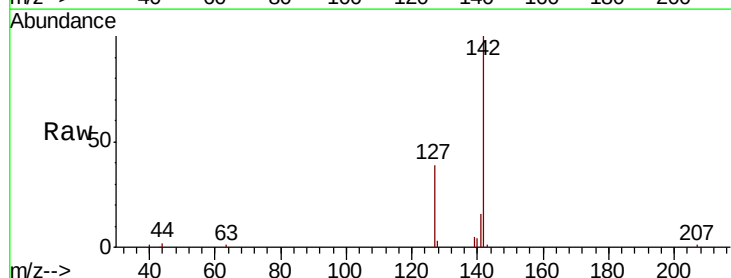
RT: 4.28 min Scan# 390

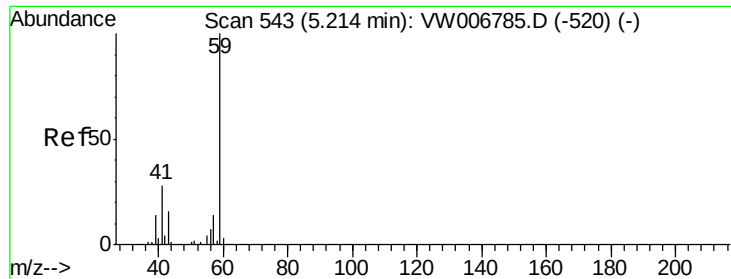
Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion:	142	Resp:	34824
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.3	48.5
141	14.4	11.3	16.9





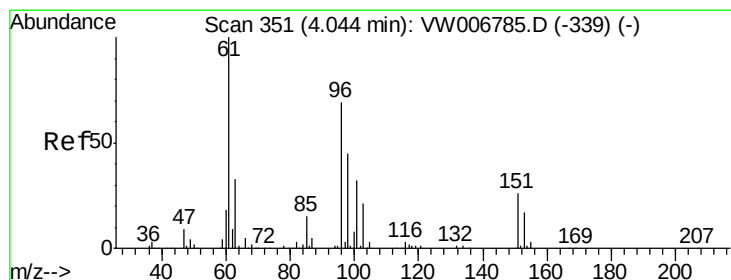
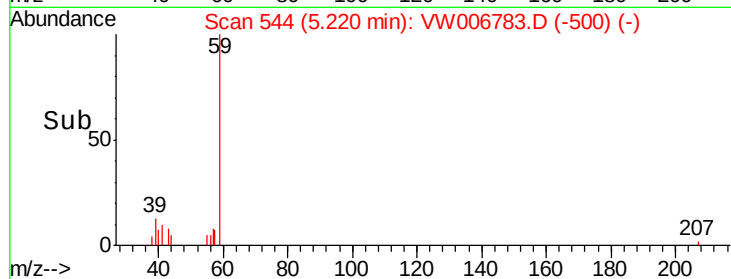
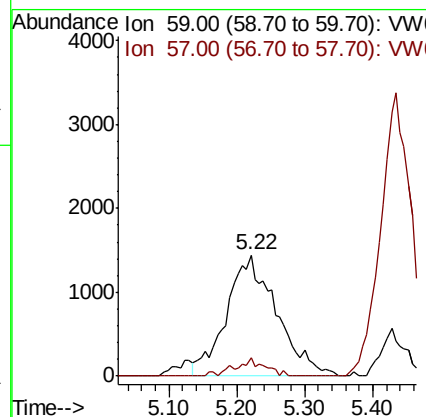
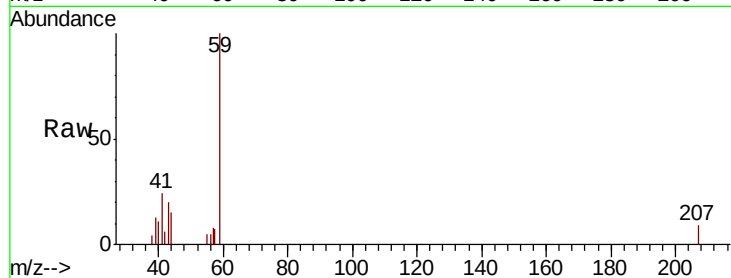
#11
Tert butyl alcohol
Concen: 54.767 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.03 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	59	57	Ratio	100	6.5	Resp:	7361	Lower	4.3	Upper	6.5#

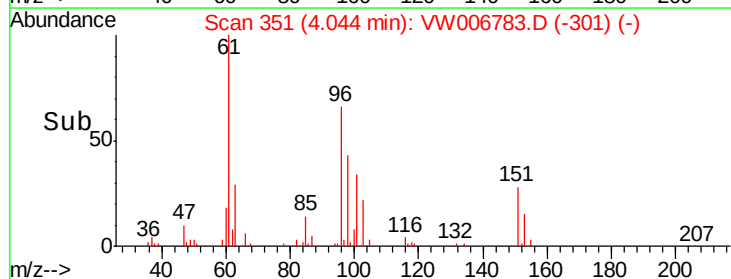
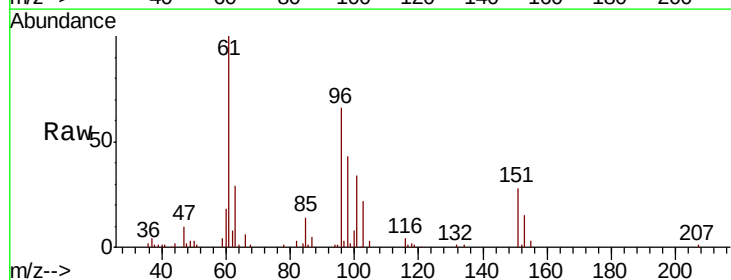
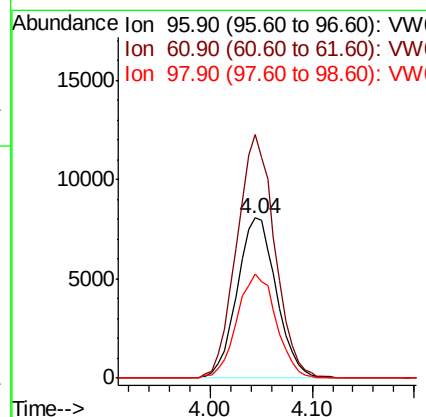
Manual Integrations
APPROVED

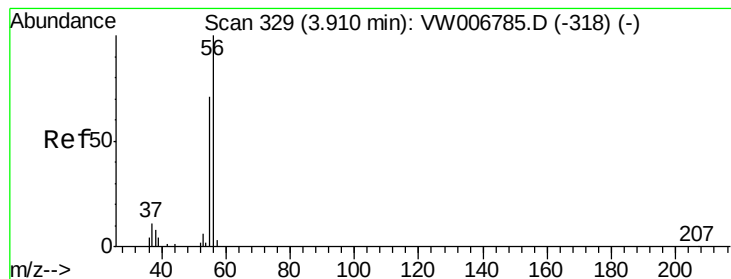
apatel
11/12/2018 3:40:30 PM



#12
1,1-Dichloroethene
Concen: 9.109 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	96	61	98	Ratio	100	152.2	65.2	Resp:	21562	Lower	117.0	52.5	Upper	175.4	78.7





#13

Acrolein

Concen: 43.118 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 7289

Ion Ratio Lower Upper

56 100

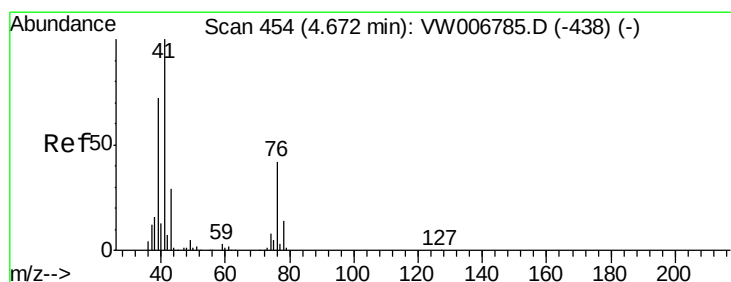
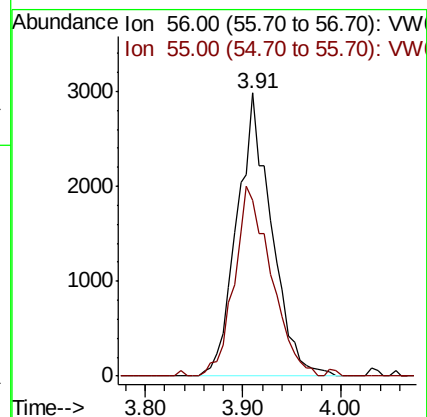
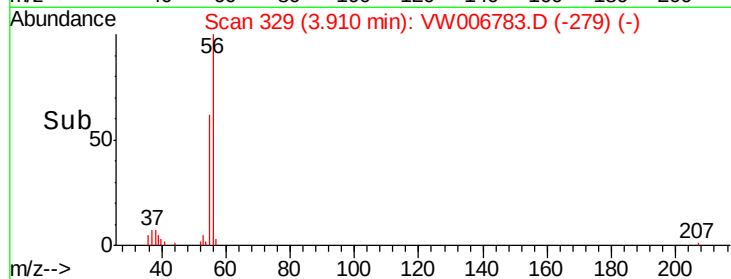
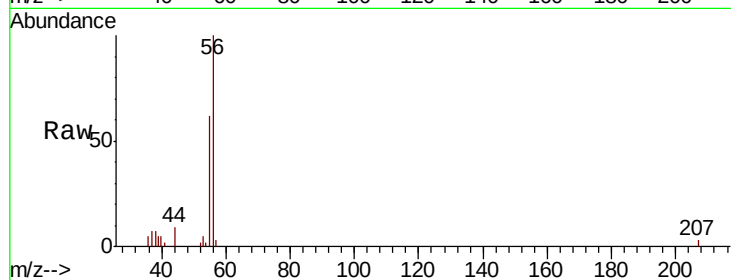
55 71.6 56.9 85.3

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#14

Allyl chloride

Concen: 9.119 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

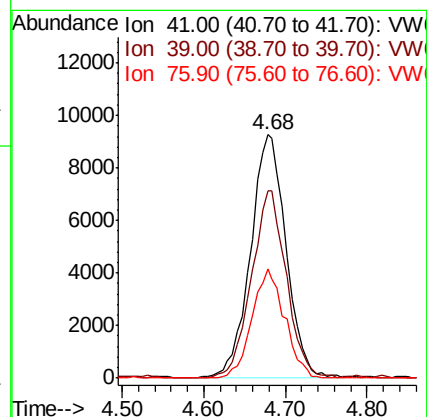
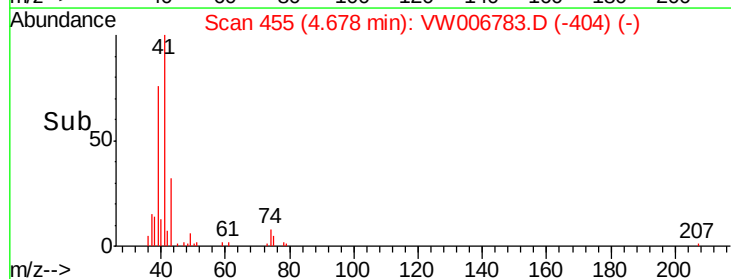
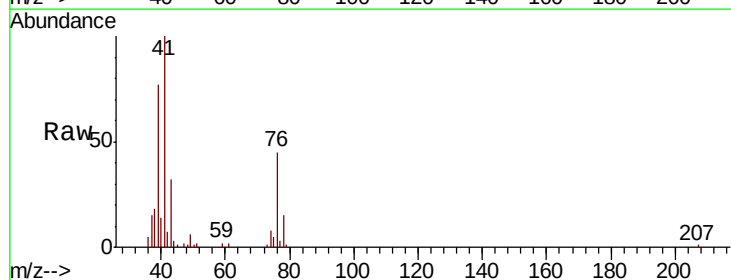
Tgt Ion: 41 Resp: 28176

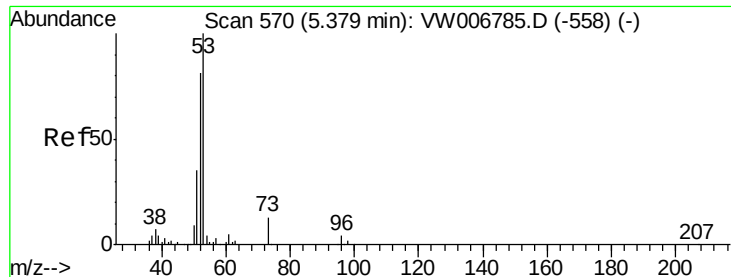
Ion Ratio Lower Upper

41 100

39 75.5 62.1 93.1

76 41.3 34.2 51.2





#15

Acrylonitrile

Concen: 48.983 ug/l

RT: 5.39 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

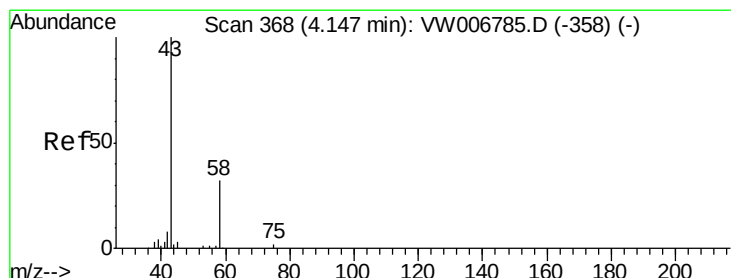
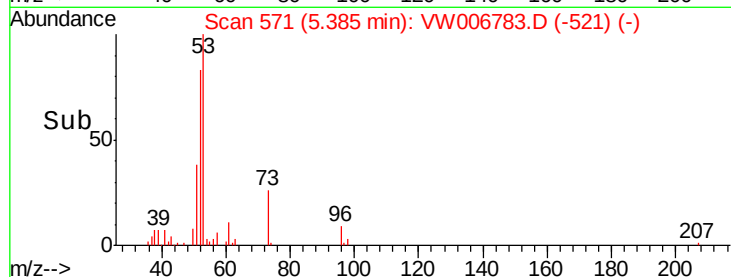
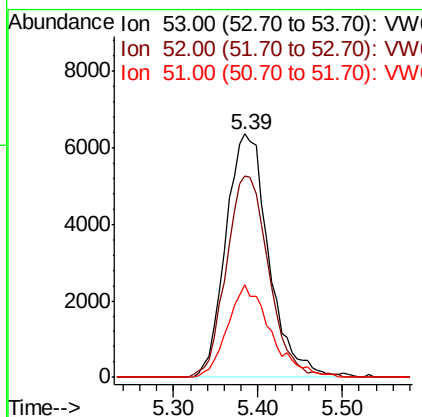
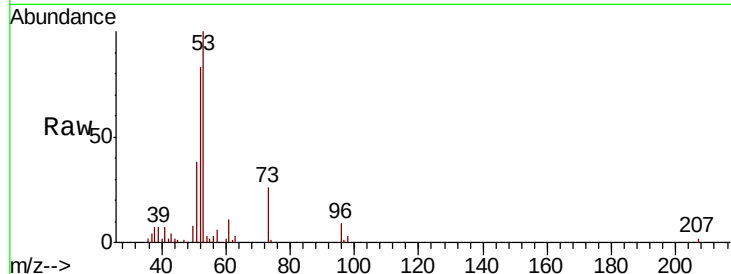
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	22035
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.8	98.8
51	38.2	29.6	44.4

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM



#16

Acetone

Concen: 39.548 ug/l

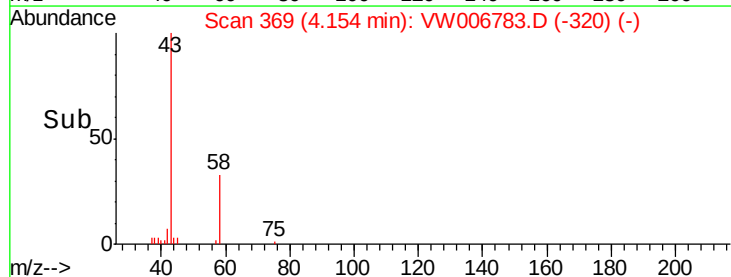
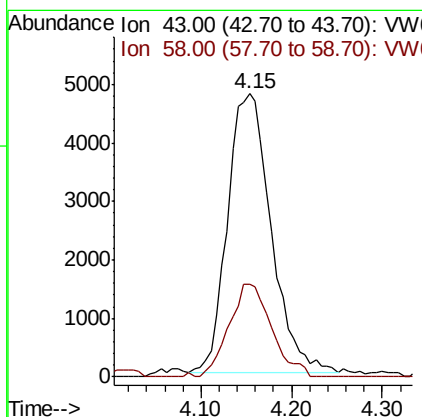
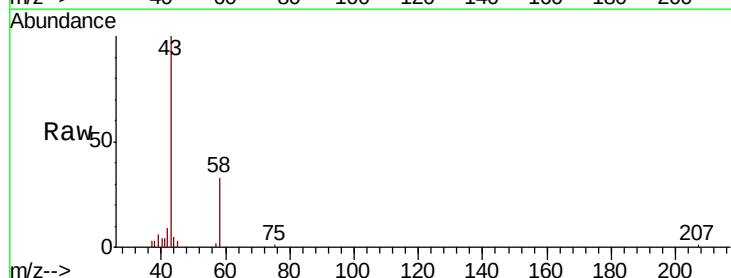
RT: 4.15 min Scan# 369

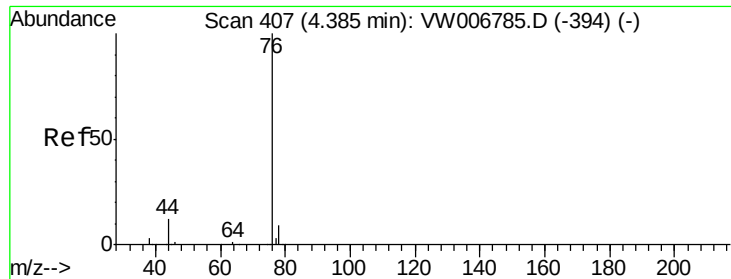
Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion:	43	Resp:	15928
Ion Ratio	Lower	Upper	
43	100		
58	33.4	25.8	38.8





#17

Carbon Disulfide

Concen: 10.303 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 69399

Ion Ratio Lower Upper

76 100

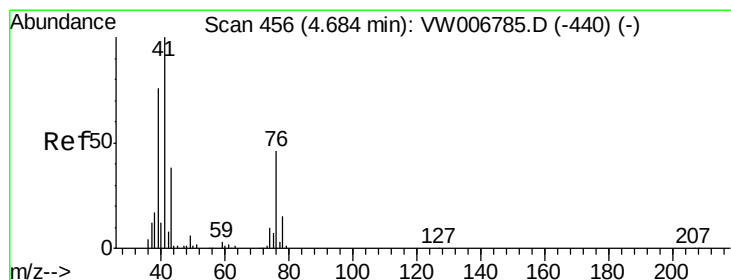
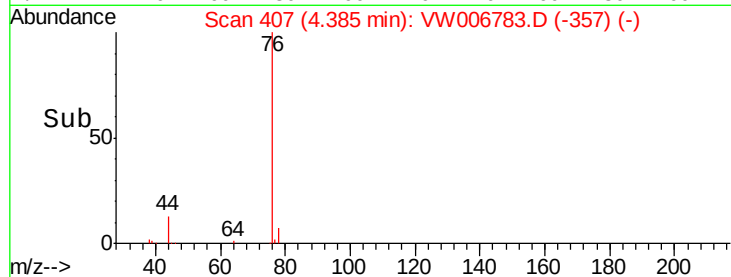
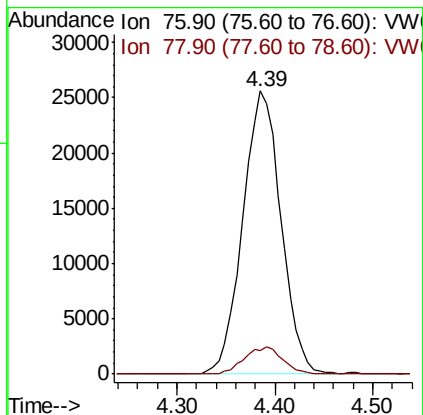
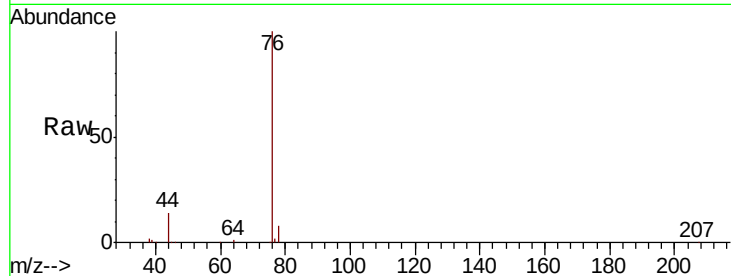
78 8.2 7.3 10.9

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#18

Methyl Acetate

Concen: 9.363 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW006783.D

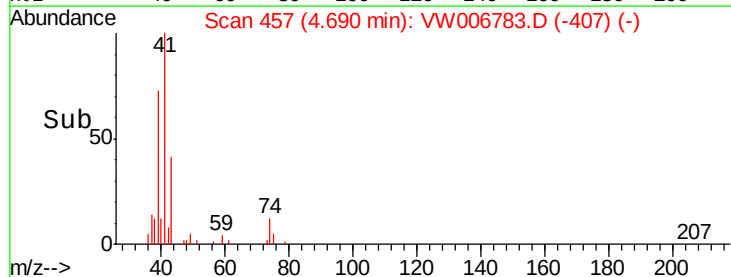
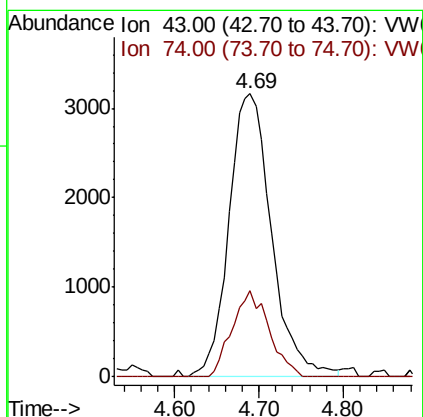
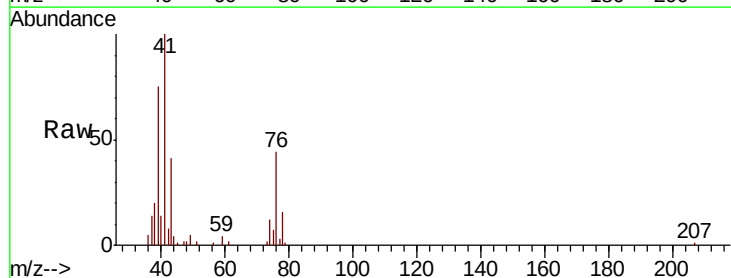
Acq: 09 Nov 2018 12:41

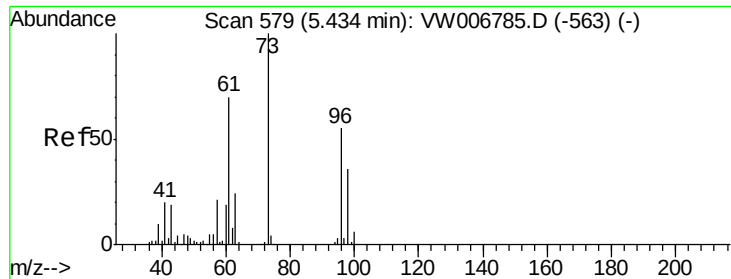
Tgt Ion: 43 Resp: 10844

Ion Ratio Lower Upper

43 100

74 26.4 21.9 32.9





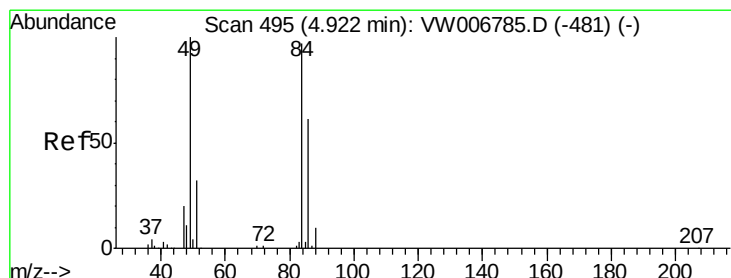
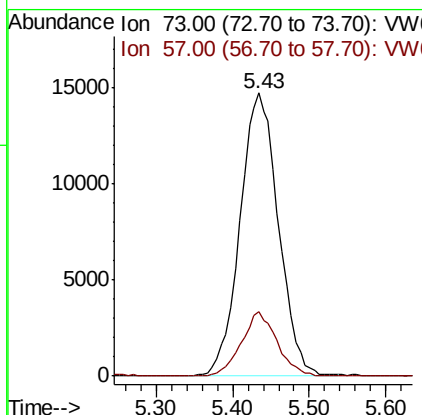
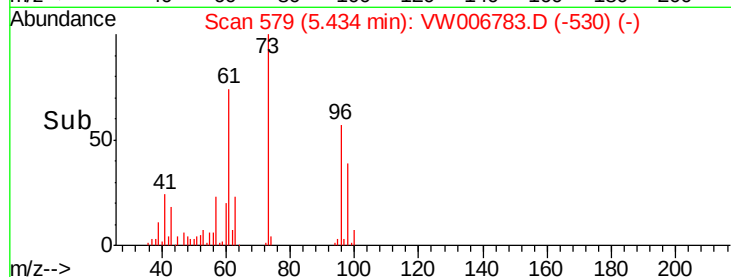
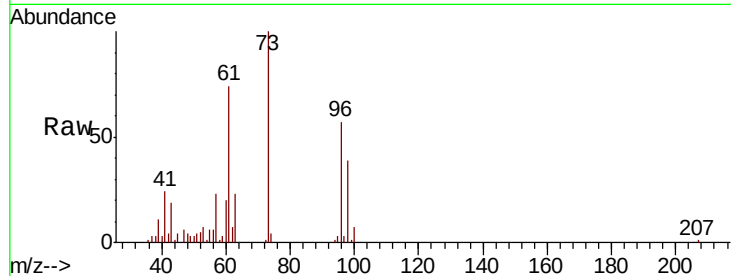
#19
Methyl tert-butyl Ether
Concen: 14.511 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 51128
Ion Ratio Lower Upper
73 100
57 23.0 16.7 25.1

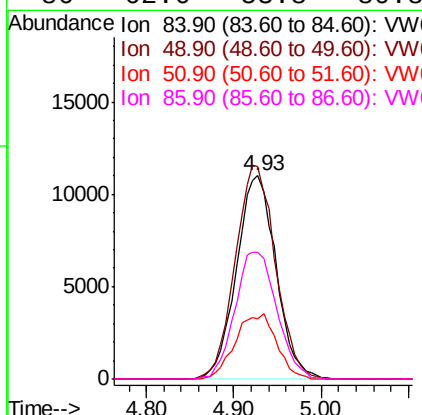
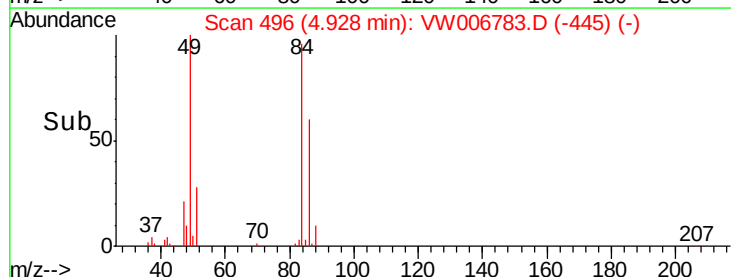
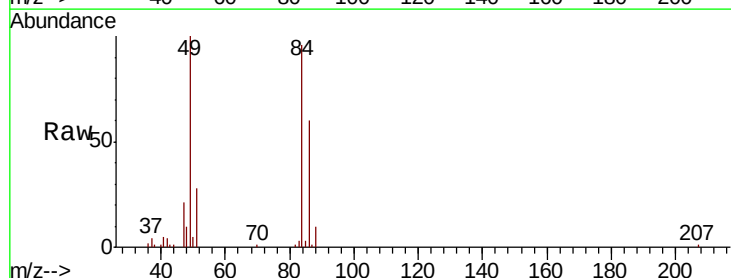
Manual Integrations
APPROVED

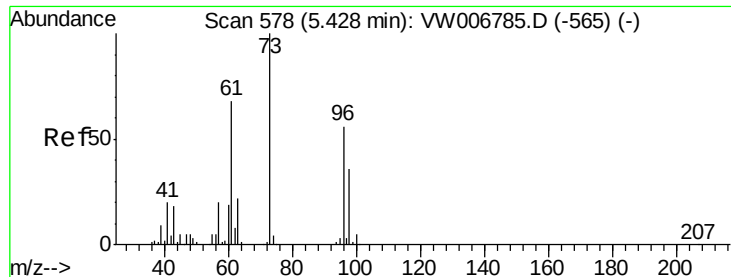
apatel
11/12/2018 3:40:30 PM



#20
Methylene Chloride
Concen: 11.014 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 84 Resp: 34537
Ion Ratio Lower Upper
84 100
49 104.6 88.2 132.4
51 29.4 27.0 40.6
86 62.6 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 9.791 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

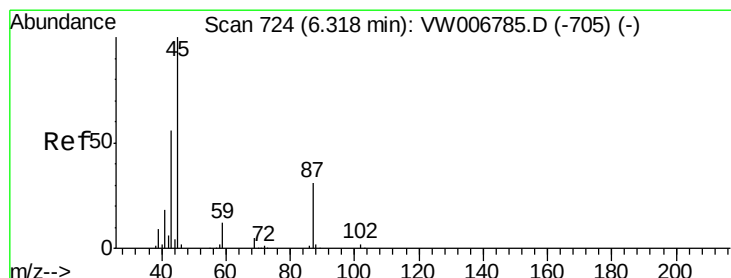
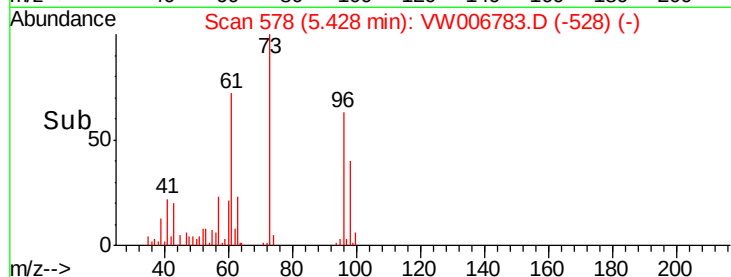
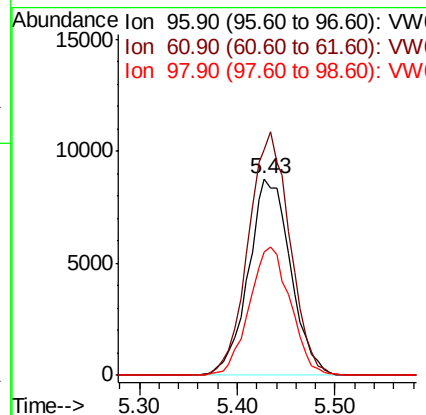
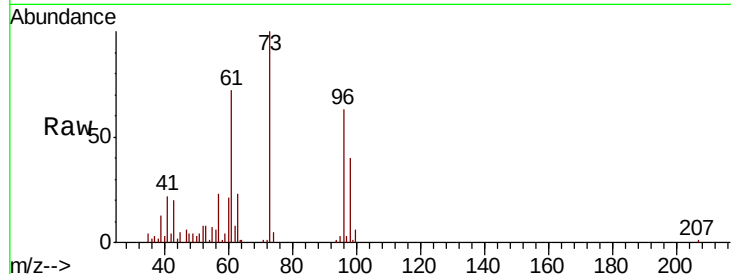
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	26225
Ion	Ratio	Lower	Upper
96	100		
61	114.5	100.6	150.8
98	62.7	52.9	79.3

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM



#22

Diisopropyl ether

Concen: 9.088 ug/l

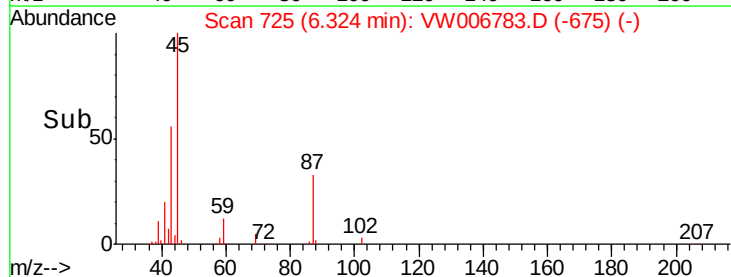
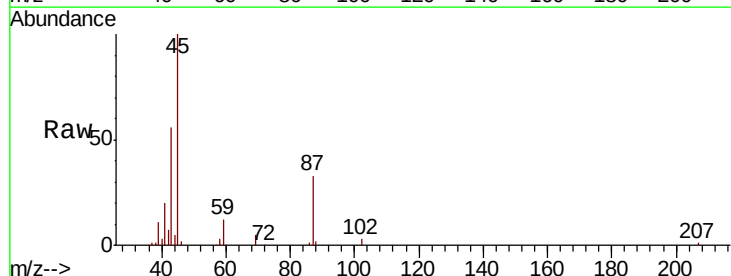
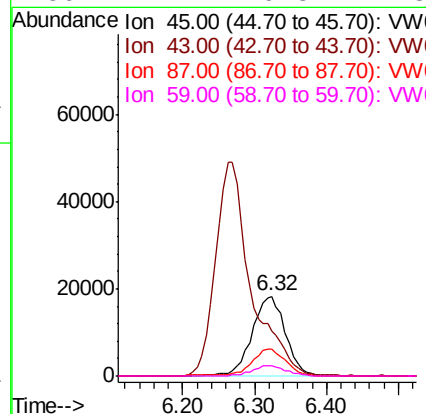
RT: 6.32 min Scan# 725

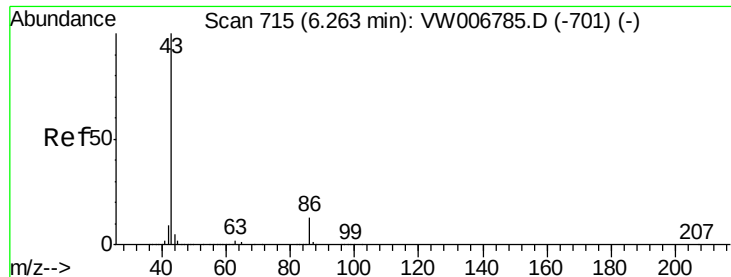
Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion:	45	Resp:	58541
Ion	Ratio	Lower	Upper
45	100		
43	55.5	43.6	65.4
87	33.4	26.3	39.5
59	12.2	9.8	14.8





#23

Vinyl Acetate

Concen: 46.963 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 167759

Ion Ratio Lower Upper

43 100

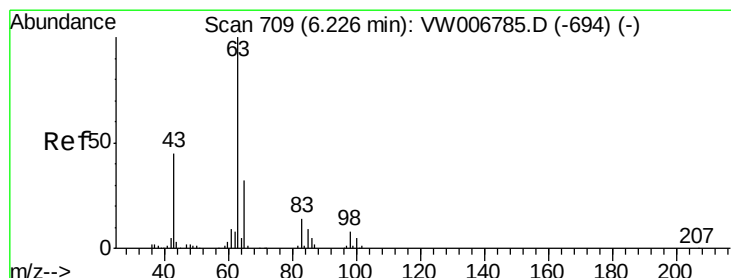
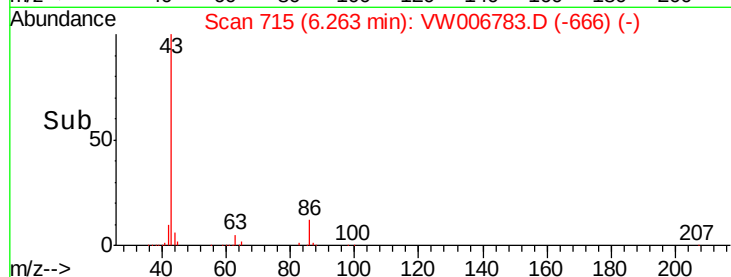
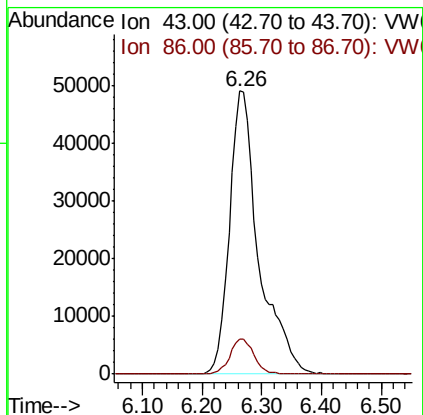
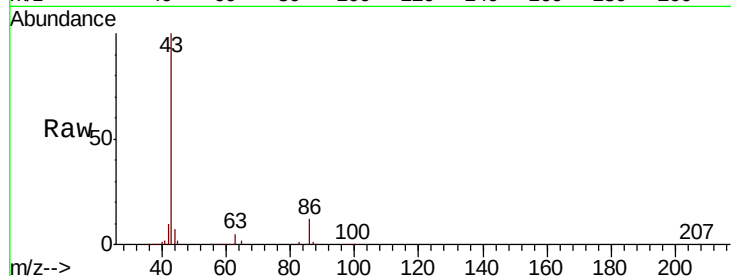
86 12.2 9.8 14.8

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#24

1,1-Dichloroethane

Concen: 9.103 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

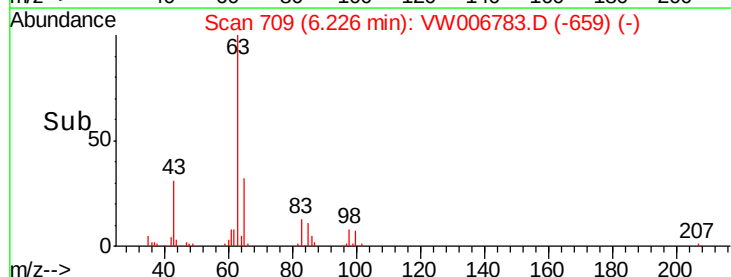
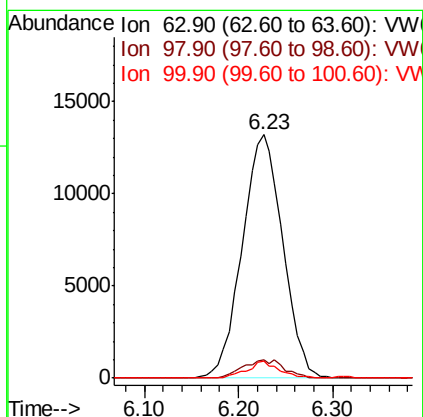
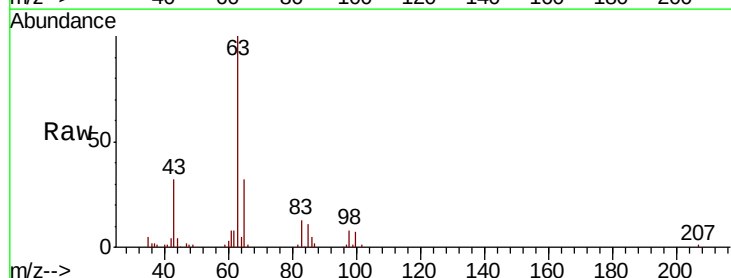
Tgt Ion: 63 Resp: 39742

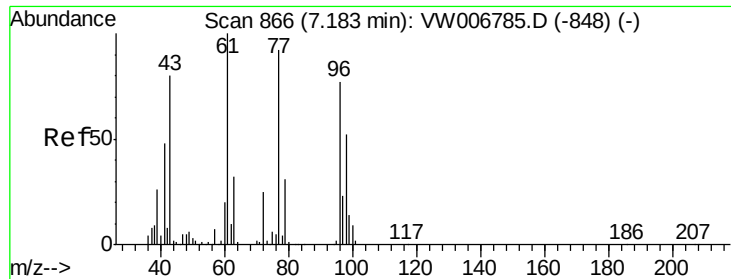
Ion Ratio Lower Upper

63 100

98 7.8 3.8 11.4

100 6.9 2.4 7.2





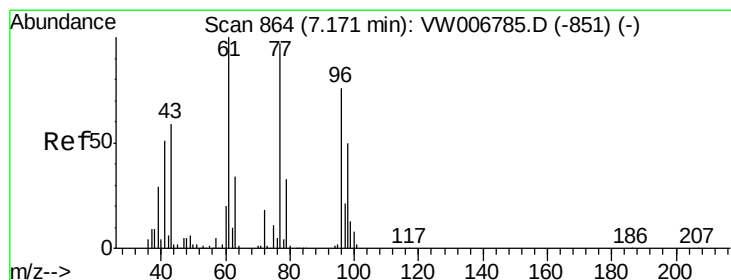
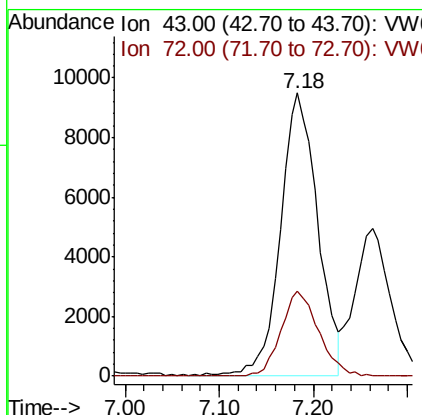
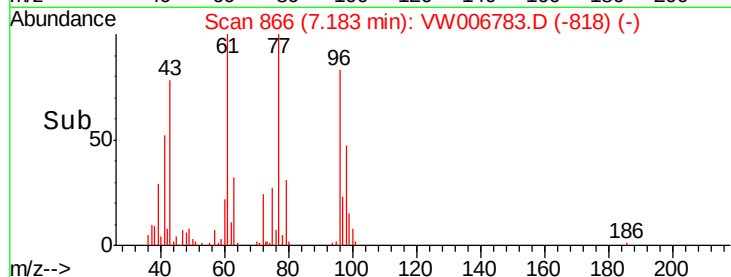
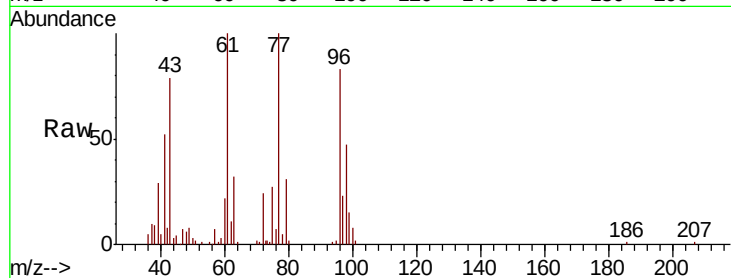
#25
2-Butanone
Concen: 45.531 ug/l
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 26167
Ion Ratio Lower Upper
43 100
72 29.9 23.2 34.8

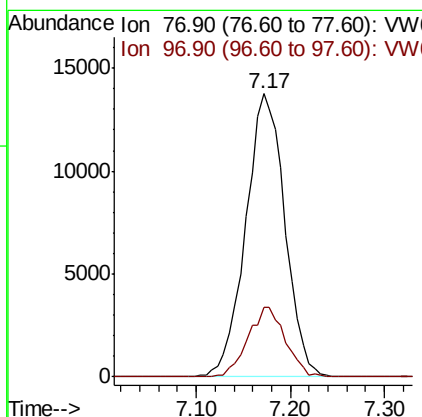
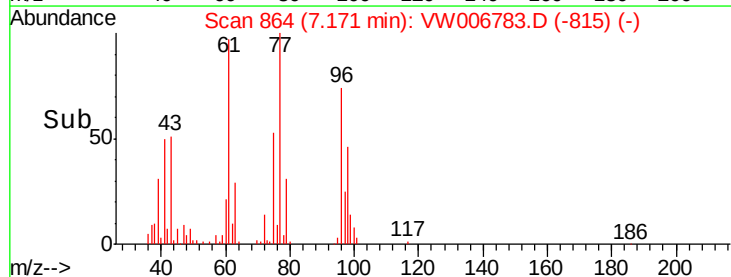
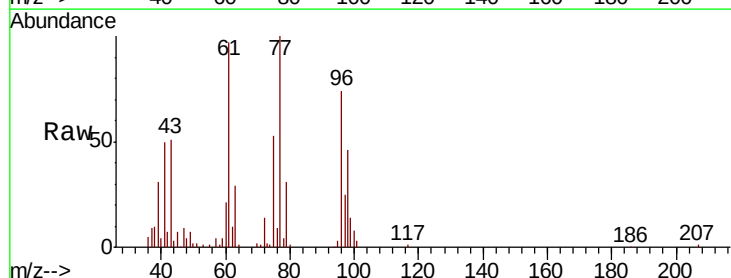
Manual Integrations
APPROVED

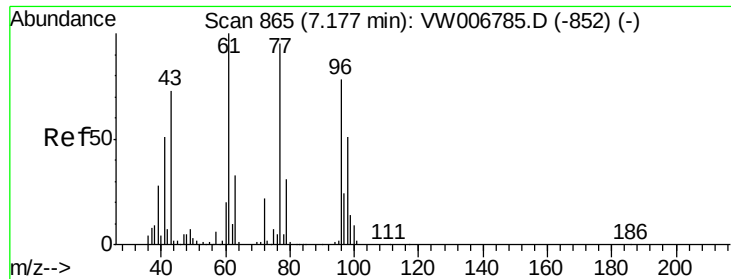
apatel
11/12/2018 3:40:30 PM



#26
2,2-Dichloropropane
Concen: 15.177 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 77 Resp: 39913
Ion Ratio Lower Upper
77 100
97 23.5 12.8 38.4





#27

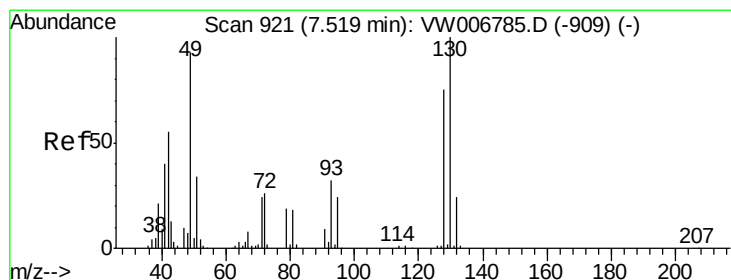
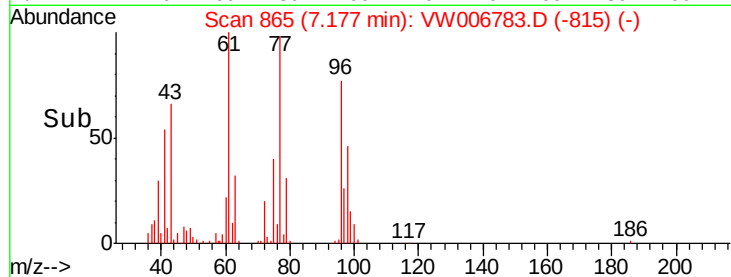
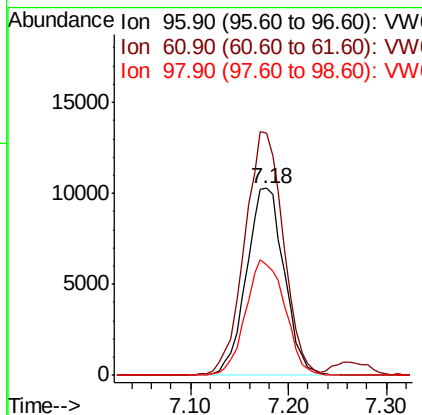
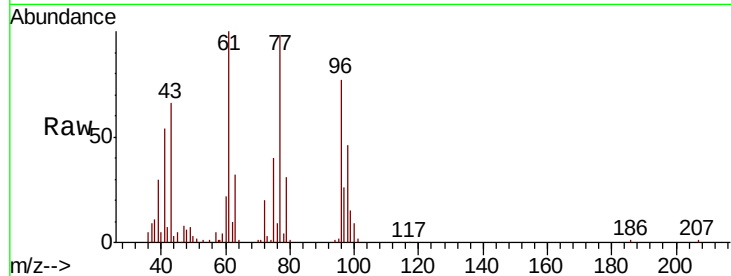
cis-1,2-Dichloroethene
Concen: 9.171 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	0.0	254.2
98	64.0	0.0	129.6

Manual Integrations
APPROVED

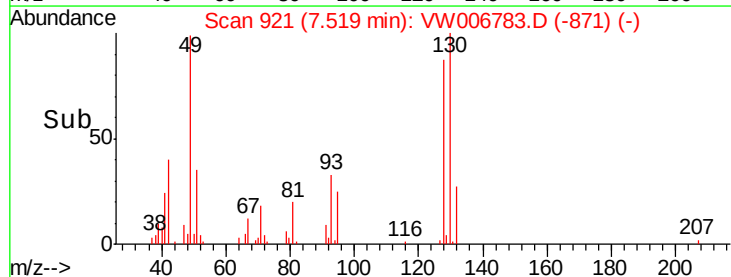
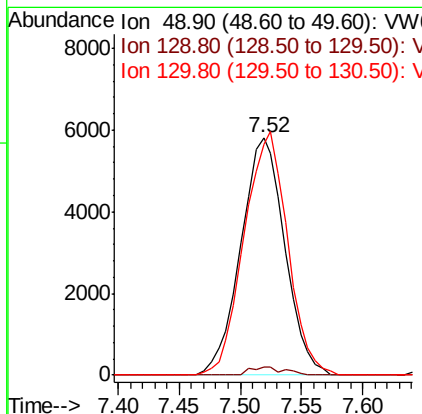
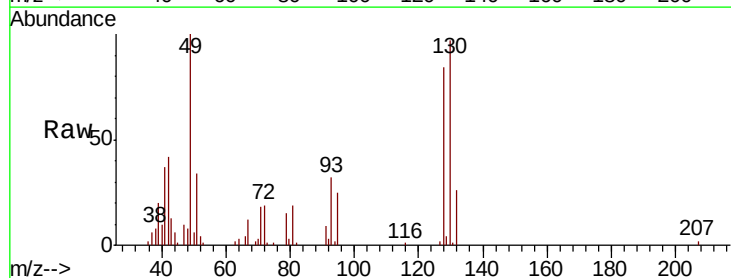
apatel
11/12/2018 3:40:30 PM

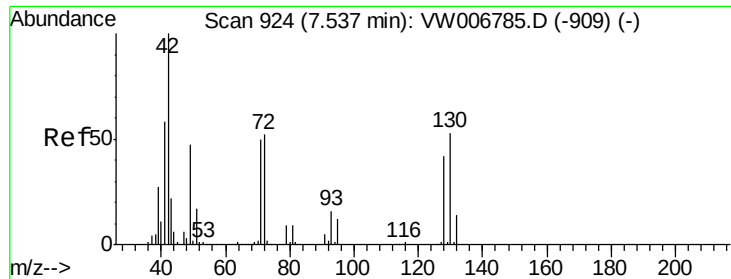


#28

Bromochloromethane
Concen: 8.387 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.6
130	101.2	82.2	123.2





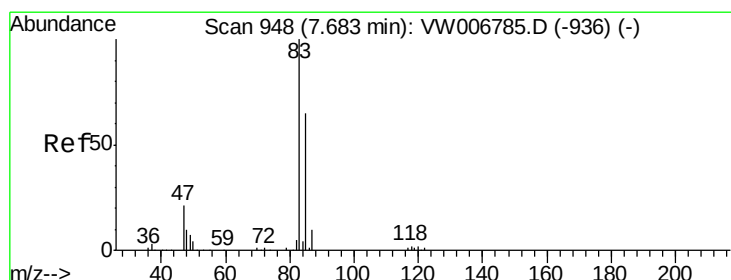
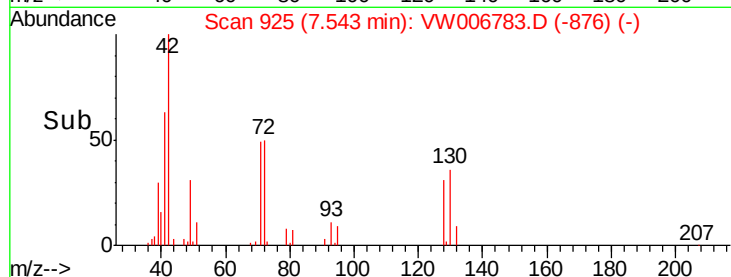
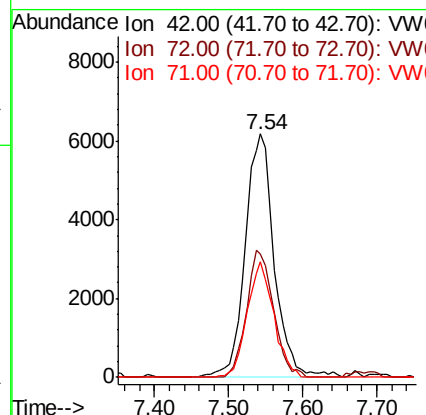
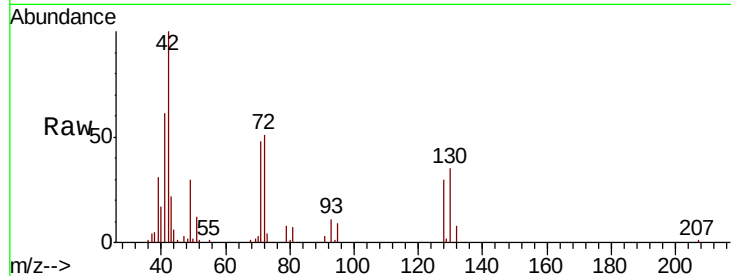
#29
Tetrahydrofuran
Concen: 46.968 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	39.2	58.8
71	43.4	37.6	56.4

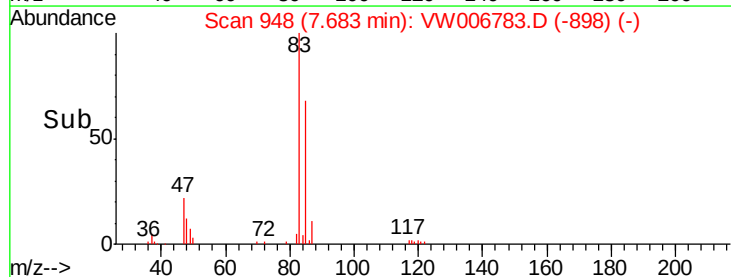
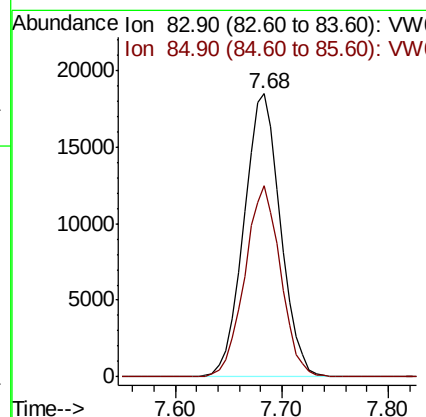
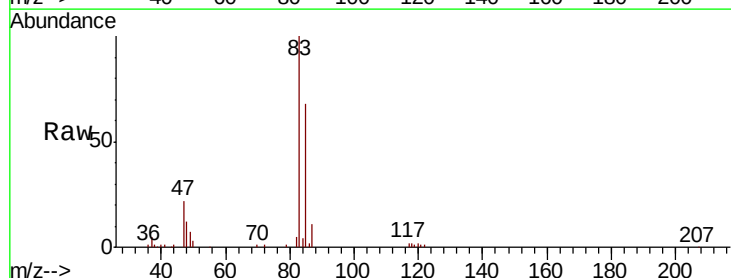
Manual Integrations
APPROVED

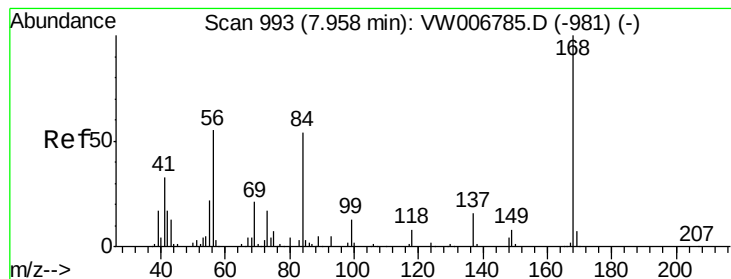
apatel
11/12/2018 3:40:30 PM



#30
Chloroform
Concen: 9.296 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.3	76.9





#31

Cyclohexane

Concen: 10.975 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

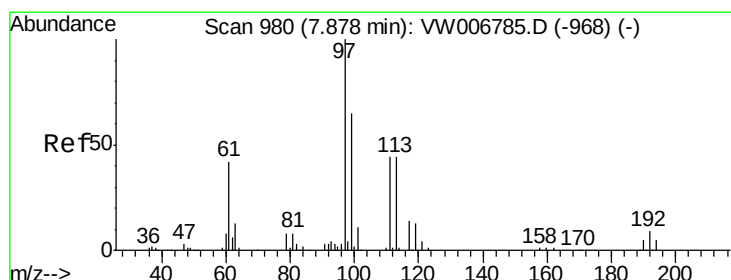
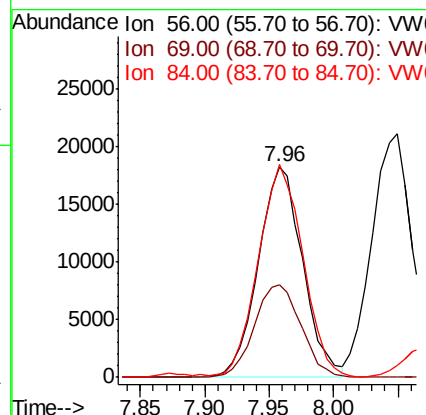
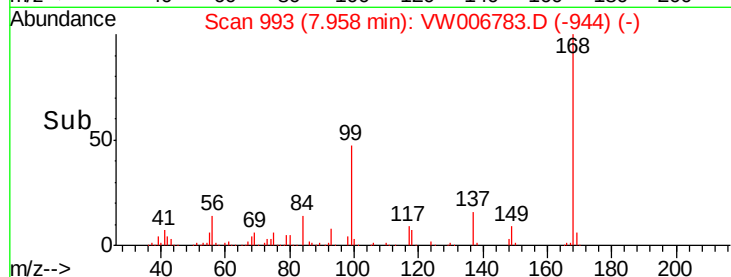
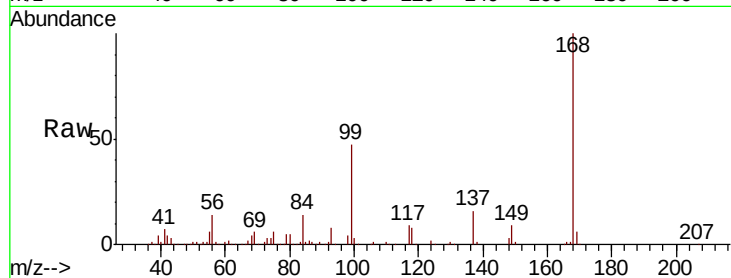
ClientSampleId :

VSTDIC010

Tot Ion:	56	Resp:	43609
Ion	Ratio	Lower	Upper
56	100		
69	43.9	29.0	43.4#
84	99.8	77.8	116.6

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM



#32

1,1,1-Trichloroethane

Concen: 10.842 ug/l

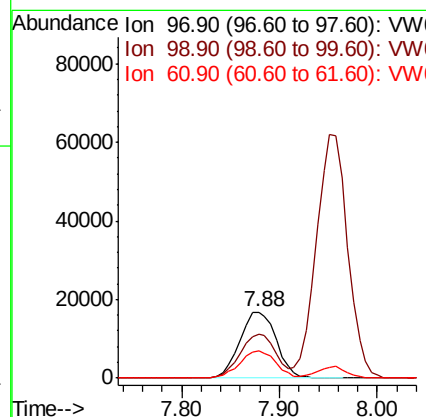
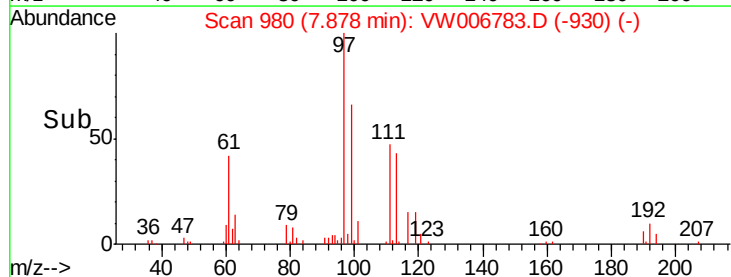
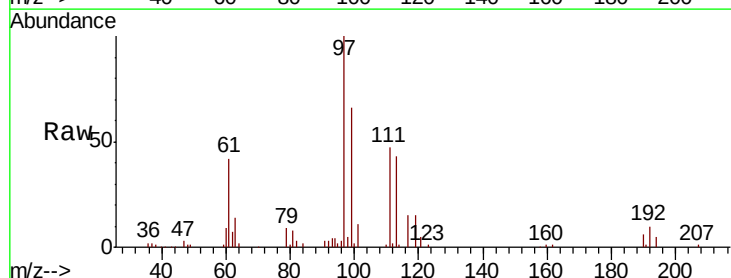
RT: 7.88 min Scan# 980

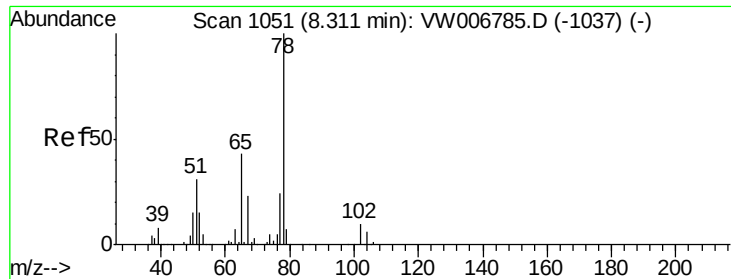
Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion:	97	Resp:	43912
Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	40.2	32.9	49.3





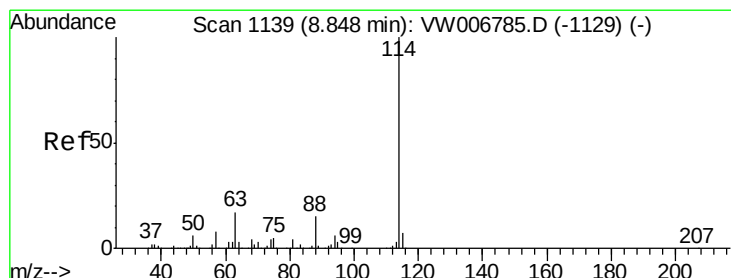
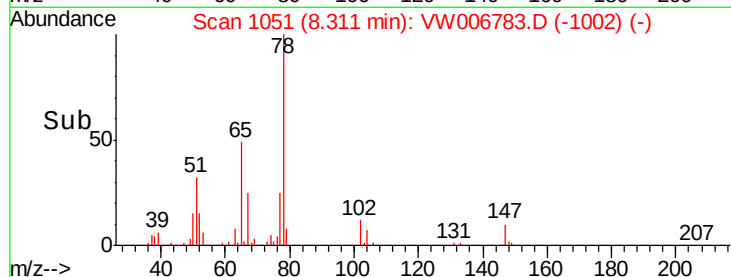
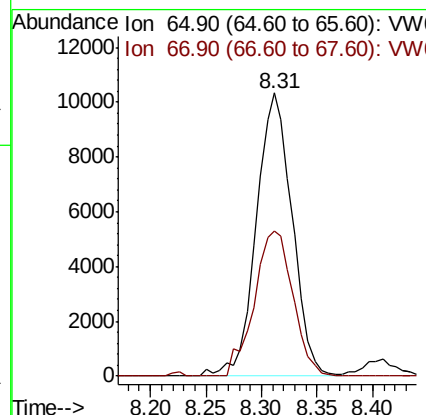
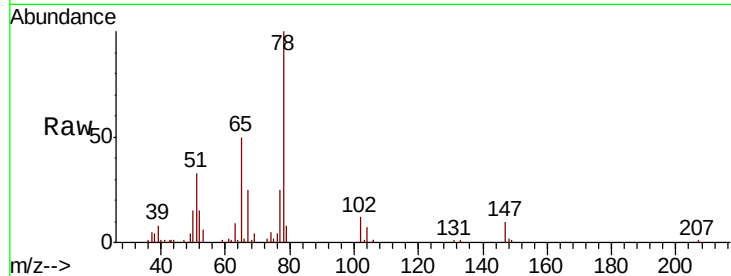
#33
 1,2-Dichloroethane-d4
 Concen: 9.292 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	104.4

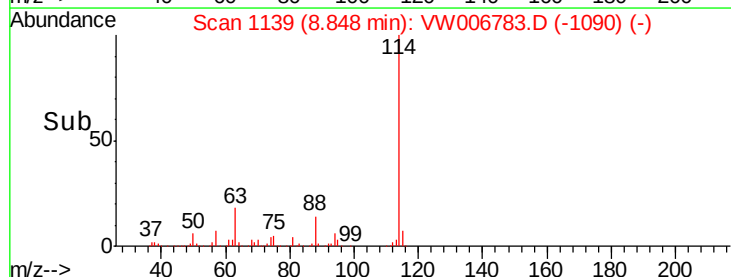
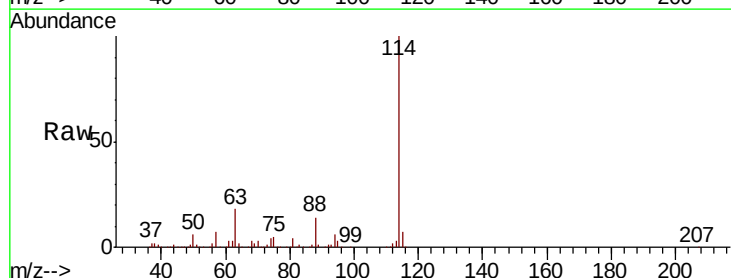
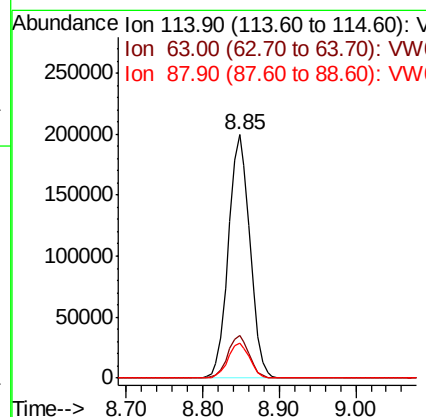
Manual Integrations
 APPROVED

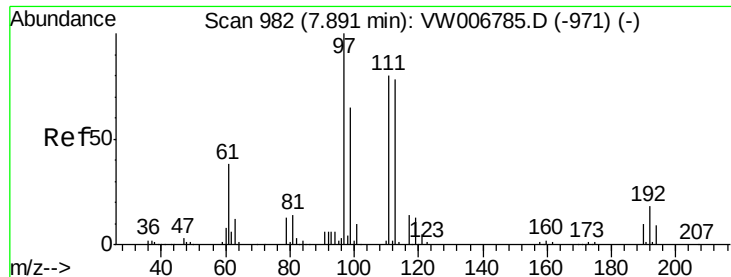
apatel
 11/12/2018 3:40:30 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	34.4
88	14.2	0.0	29.0





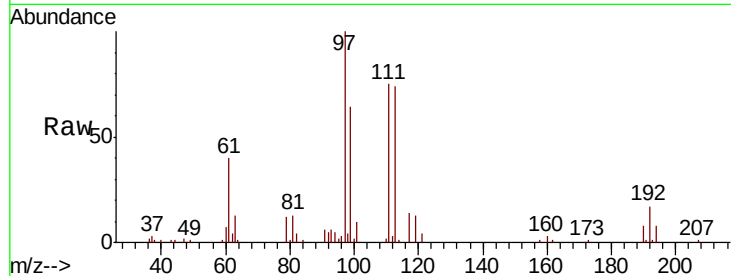
#35
 Dibromofluoromethane
 Concen: 9.677 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

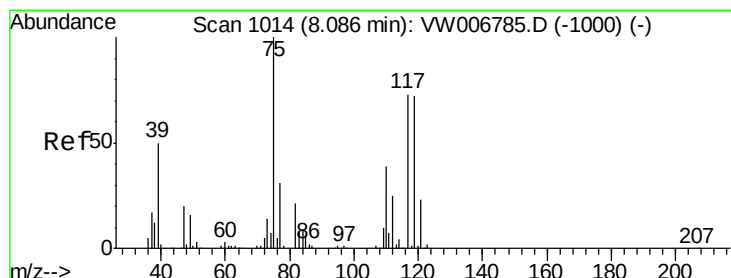
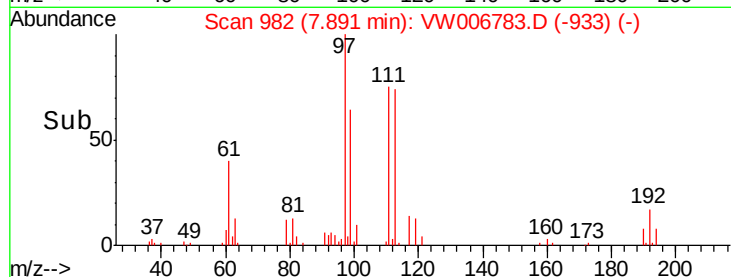
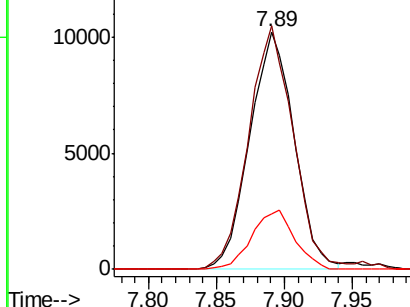
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.2
192	23.8	19.0	28.6

Manual Integrations
 APPROVED

apatel
 11/12/2018 3:40:30 PM



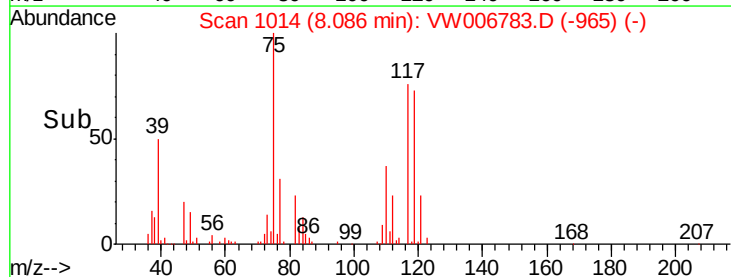
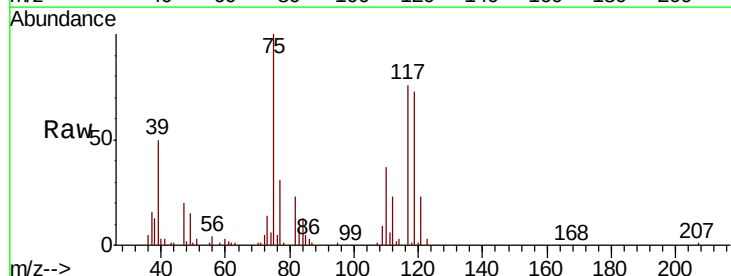
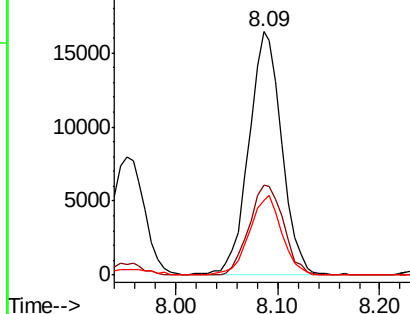
Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

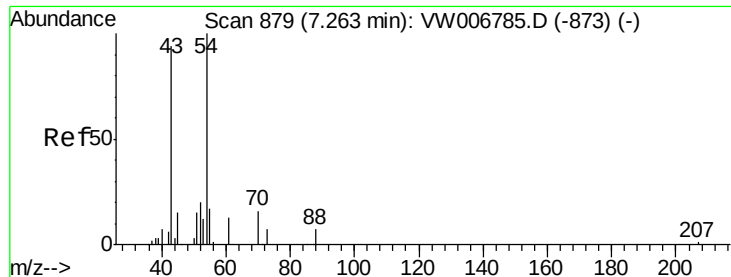


#36
 1,1-Dichloropropene
 Concen: 10.927 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.7	19.5	58.5
77	32.2	24.6	37.0

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





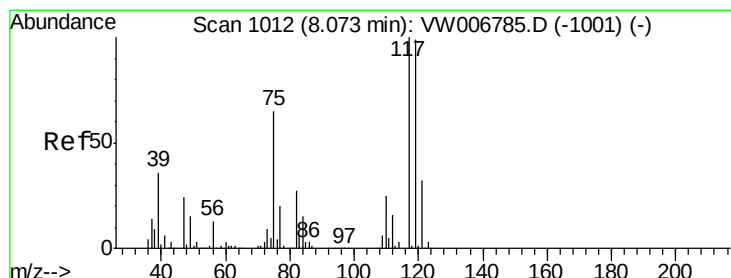
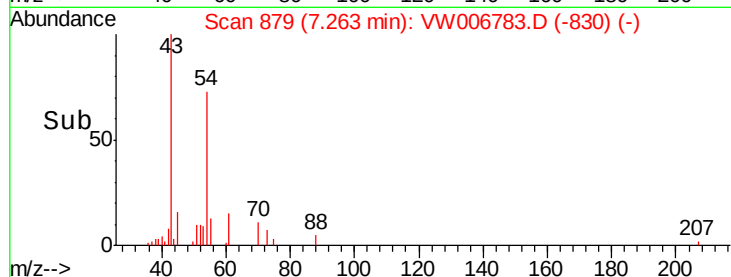
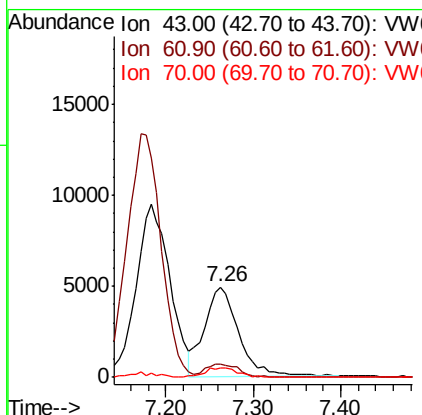
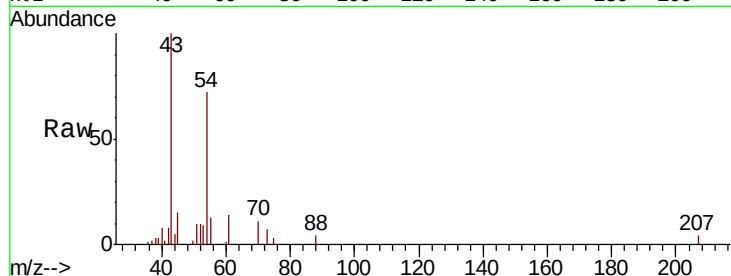
#37
Ethyl Acetate
Concen: 11.404 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.1	18.1
70	10.4	9.8	14.6

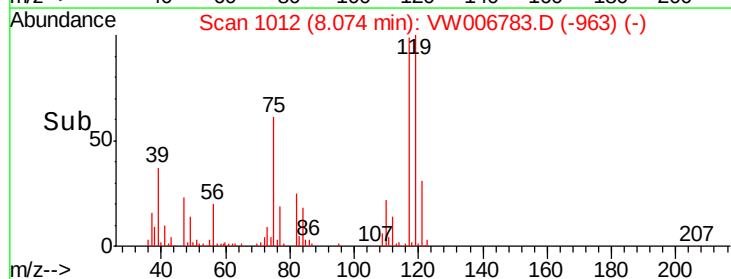
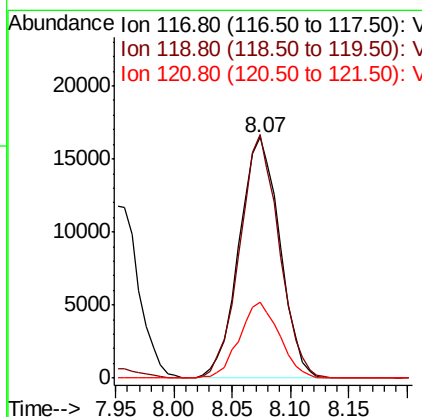
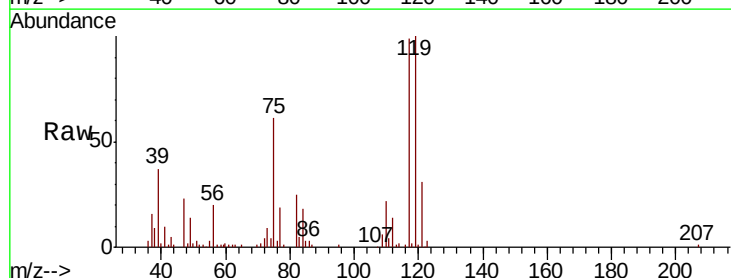
Manual Integrations
APPROVED

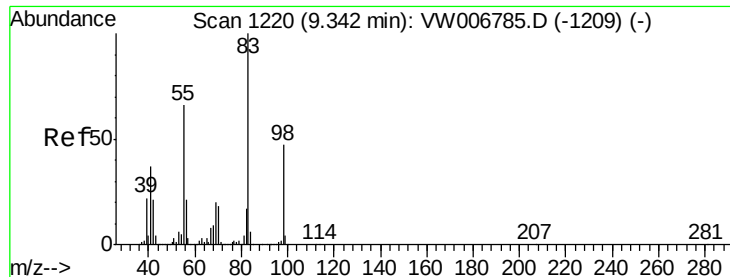
apatel
11/12/2018 3:40:30 PM



#38
Carbon Tetrachloride
Concen: 11.311 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	76.3	114.5
121	31.5	24.1	36.1





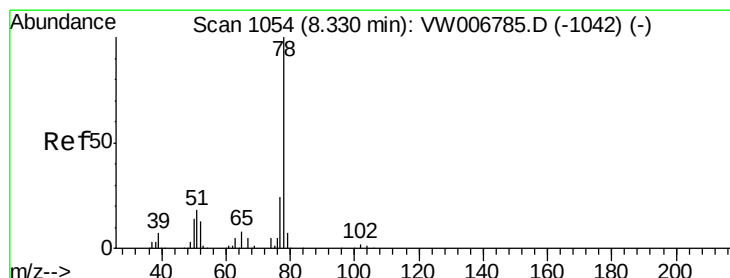
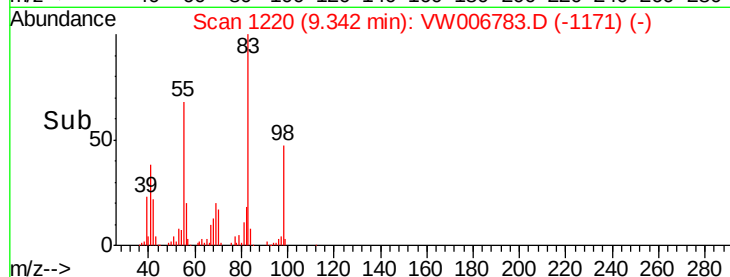
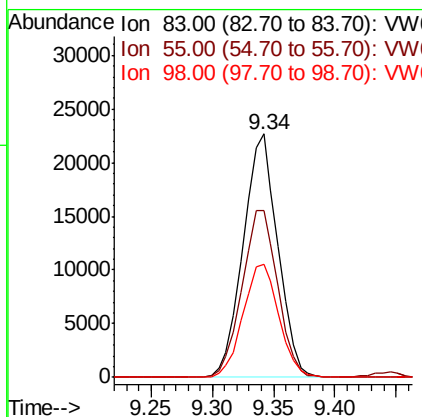
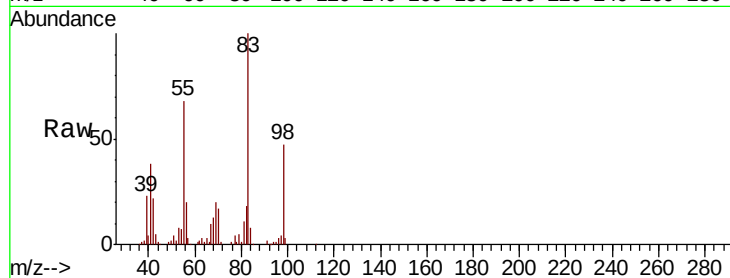
#39
Methylvlcyclohexane
Concen: 10.368 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	44557
Ion Ratio	Lower	Upper	
83	100		
55	68.4	53.7	80.5
98	46.6	39.2	58.8

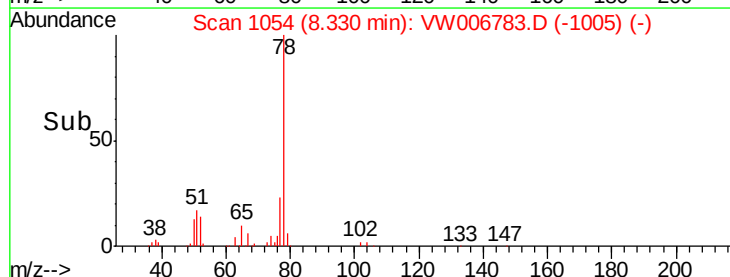
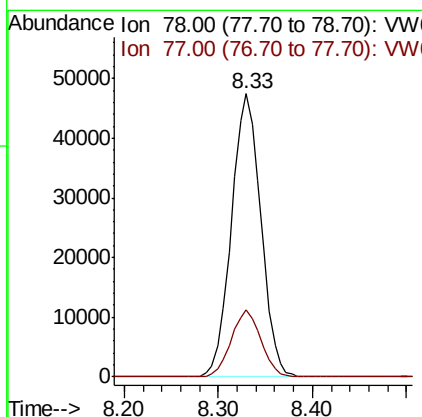
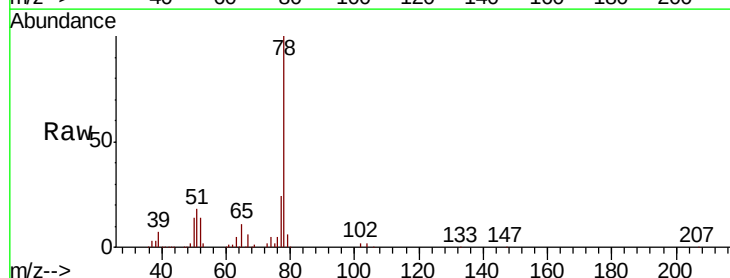
Manual Integrations
APPROVED

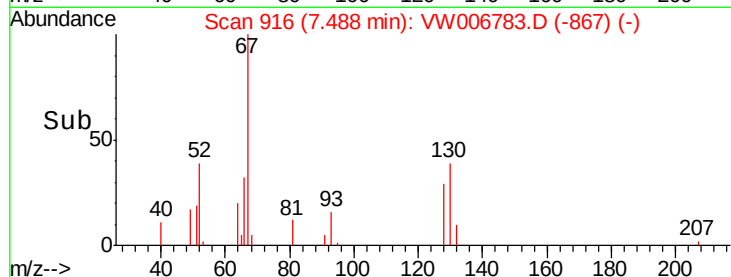
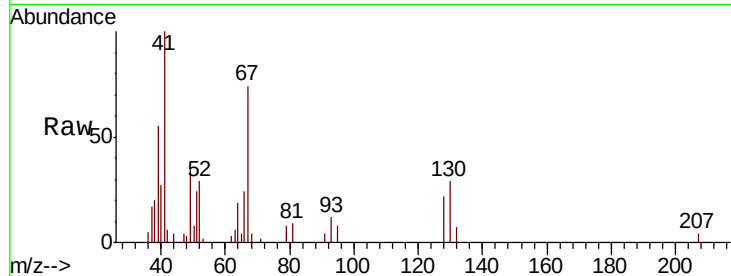
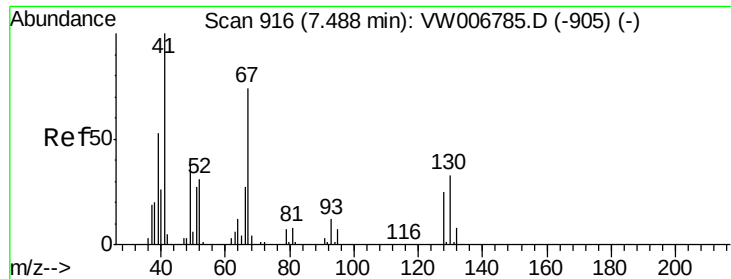
apatel
11/12/2018 3:40:30 PM



#40
Benzene
Concen: 10.679 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	78	Resp	102717
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.2	28.8





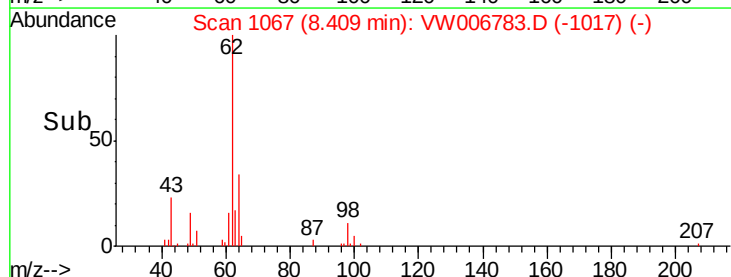
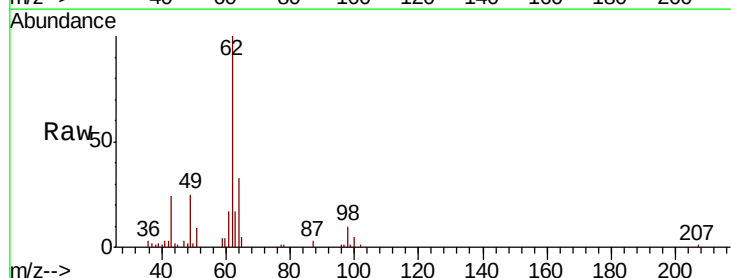
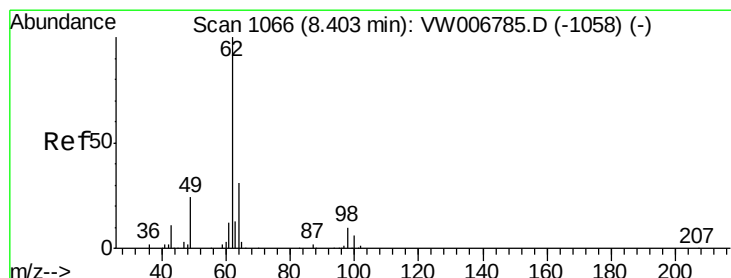
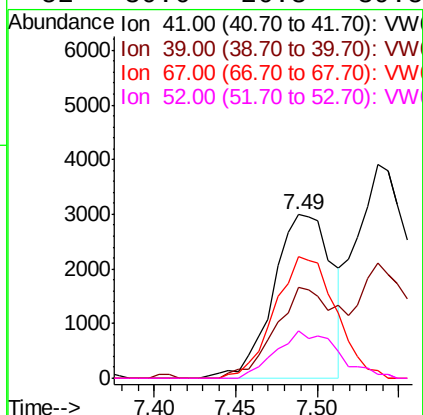
#41
Methacrylonitrile
Concen: 10.389 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.0	44.5	66.7
67	77.1	63.8	95.8
52	30.6	26.3	39.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

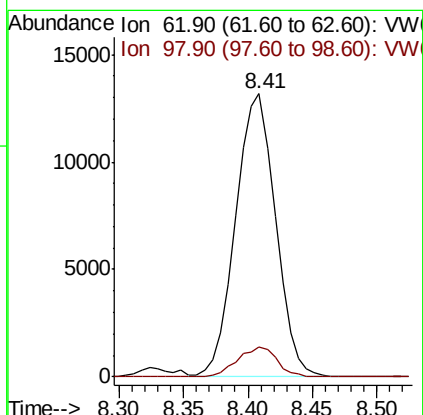
Manual Integrations
APPROVED

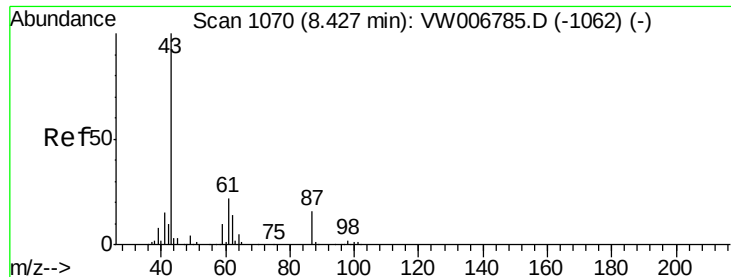
apatel
11/12/2018 3:40:30 PM



#42
1,2-Dichloroethane
Concen: 10.276 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.8





#43

Isopropyl Acetate

Concen: 9.733 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

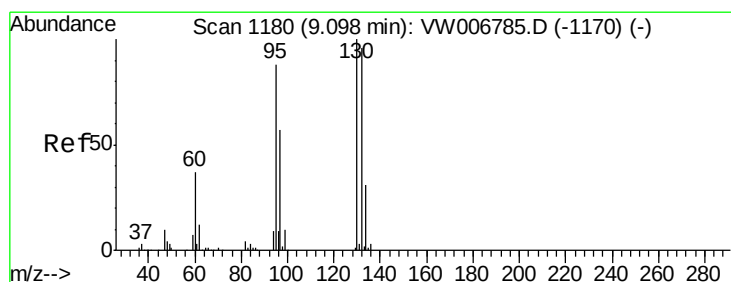
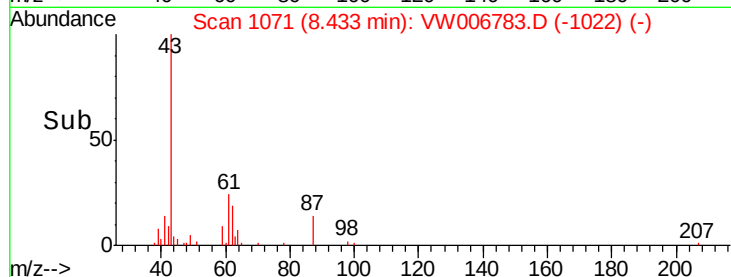
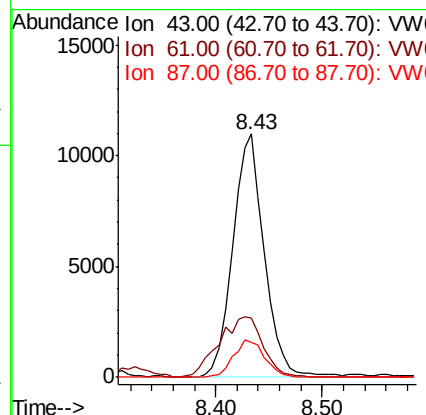
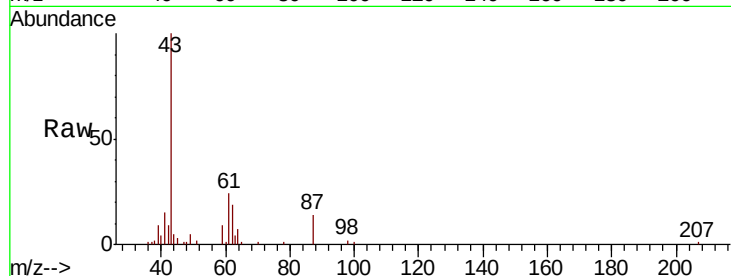
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	22792
Ion	Ratio	Lower	Upper
43	100		
61	34.5	27.2	40.8
87	15.1	12.9	19.3

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM



#44

Trichloroethene

Concen: 10.603 ug/l

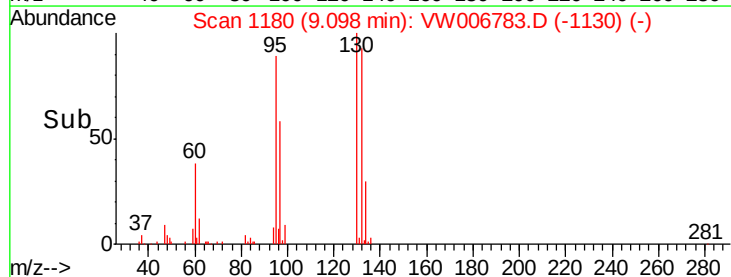
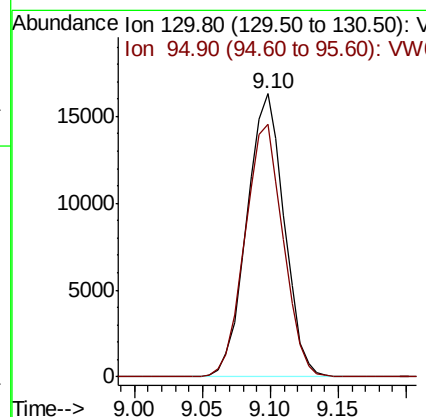
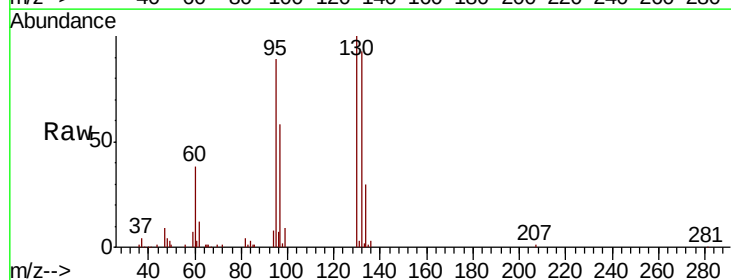
RT: 9.10 min Scan# 1180

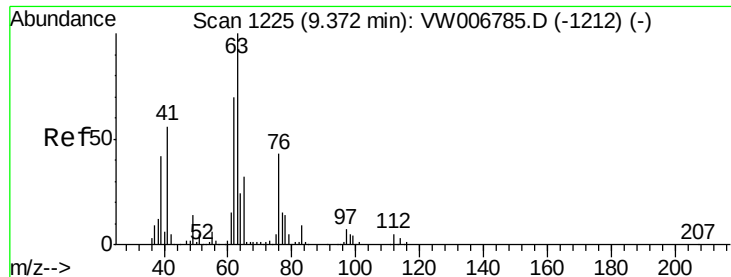
Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion:	130	Resp:	31472
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	179.2





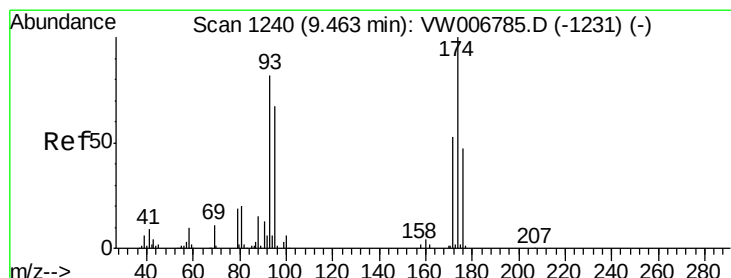
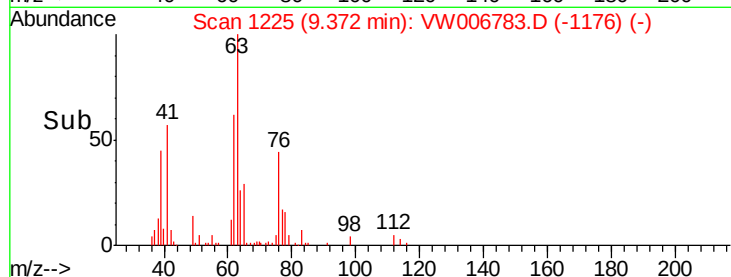
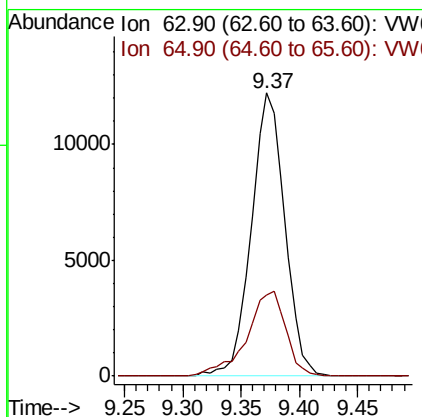
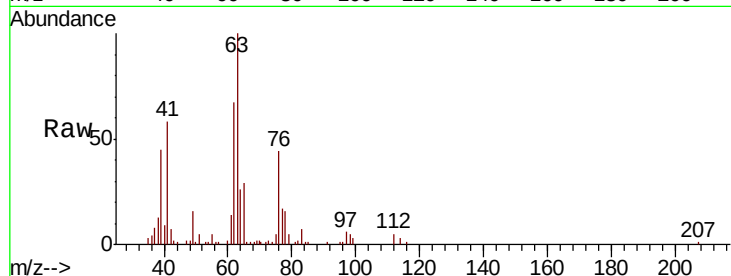
#45
 1,2-Dichloropropane
 Concen: 10.881 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.5	25.1	37.7

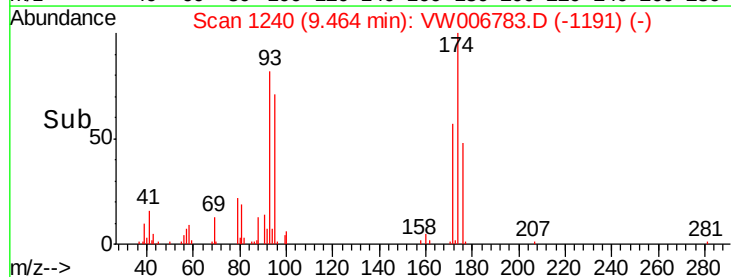
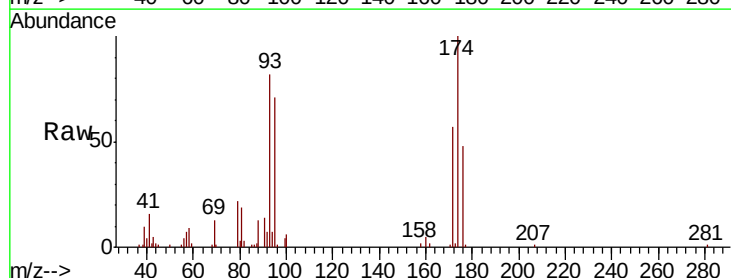
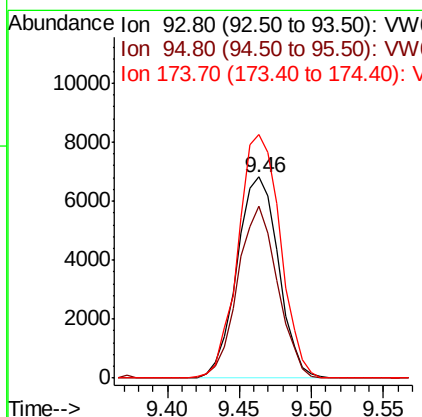
Manual Integrations
 APPROVED

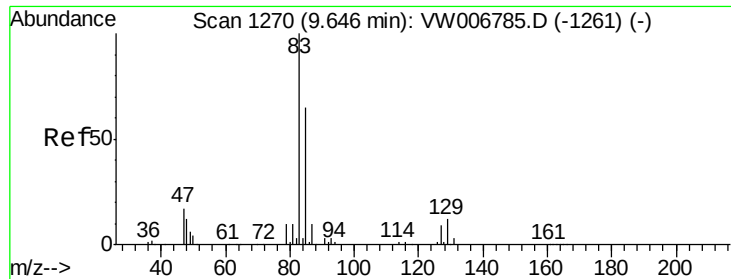
apatel
 11/12/2018 3:40:30 PM



#46
 Dibromomethane
 Concen: 10.396 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	67.2	100.8
174	122.4	97.3	145.9





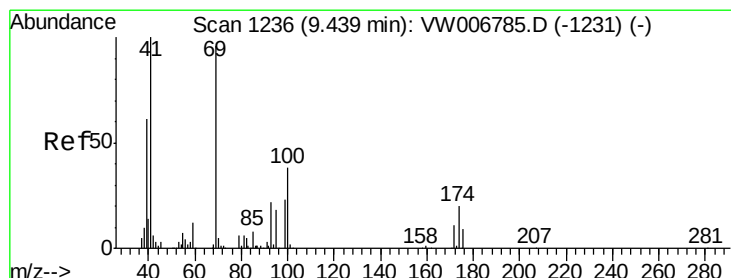
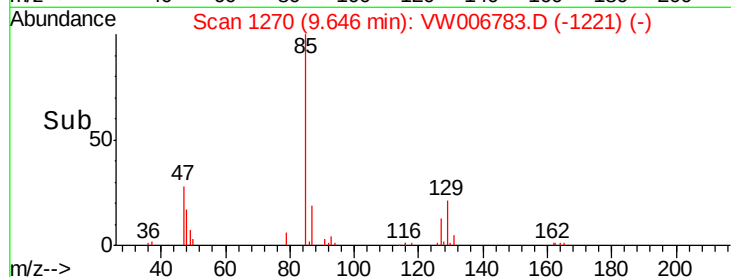
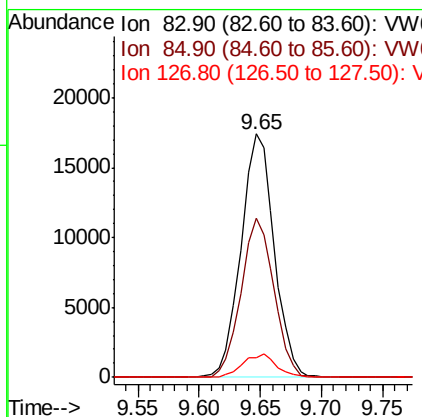
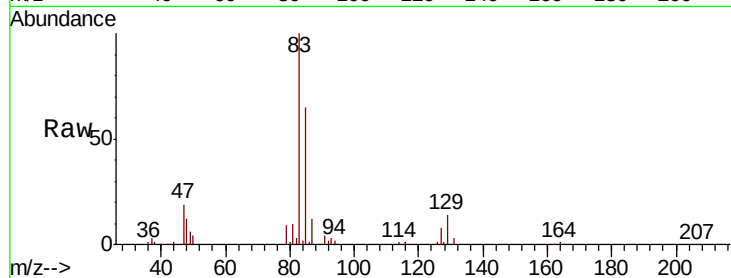
#47
Bromodichloromethane
Concen: 10.724 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	32766		
85	65.3		50.6	75.8
127	8.3		7.5	11.3

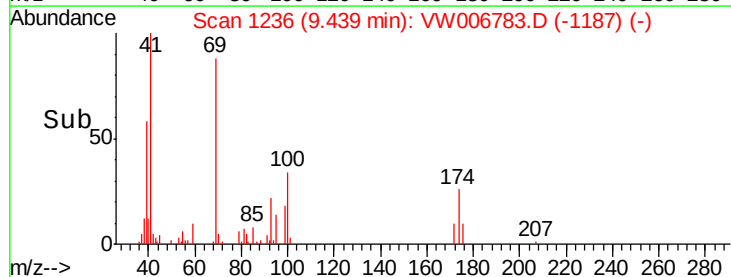
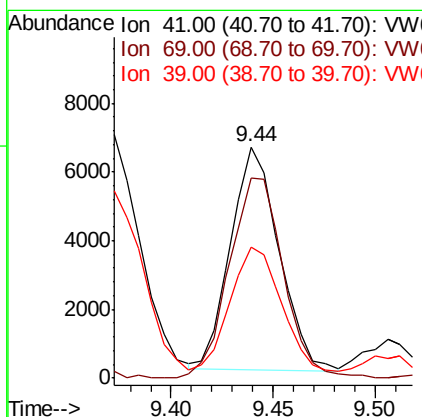
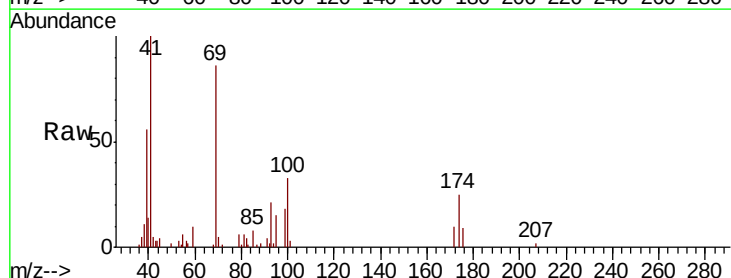
Manual Integrations
APPROVED

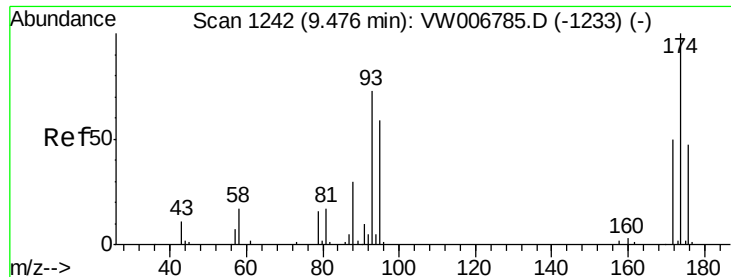
apatel
11/12/2018 3:40:30 PM



#48
Methyl methacrylate
Concen: 9.465 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	10679		
69	100.9		77.8	116.8
39	59.2		48.7	73.1





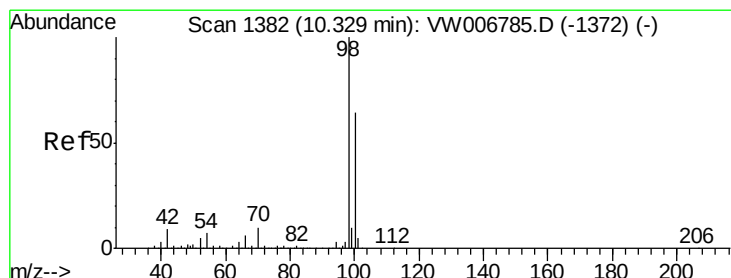
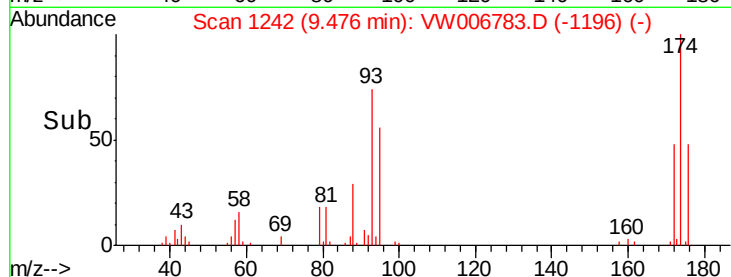
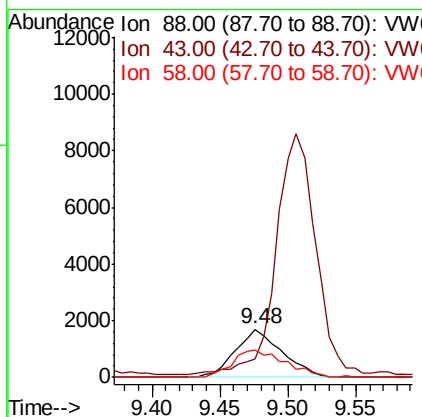
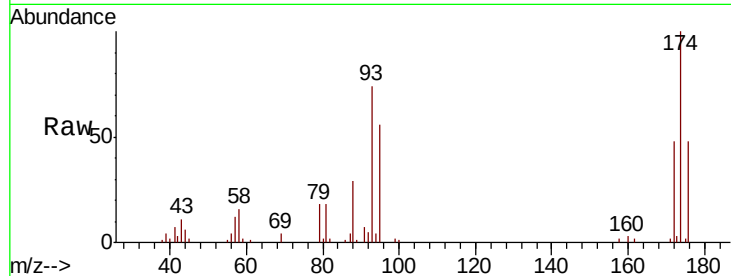
#49
 1,4-Dioxane
 Concen: 209.377 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. -0.02 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	88	Resp	4032
Ion Ratio	100	Lower	Upper
88	100		
43	0.0	356.6	534.8#
58	63.9	51.4	77.2

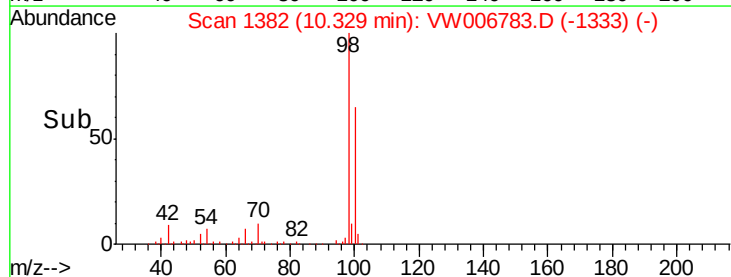
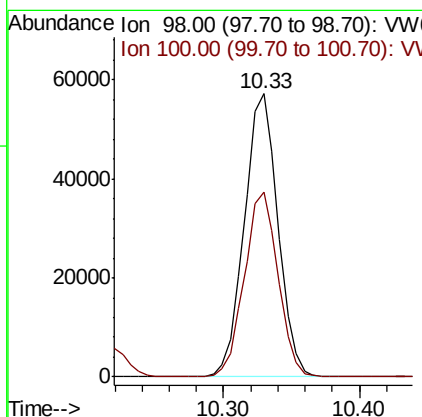
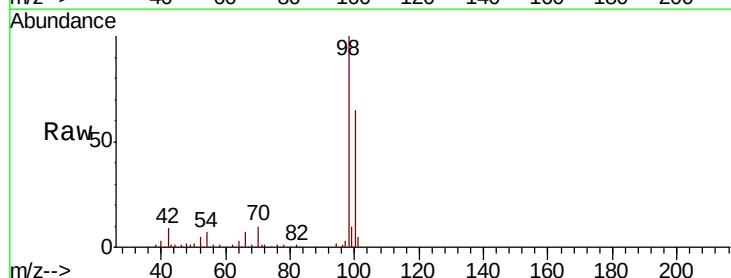
Manual Integrations
 APPROVED

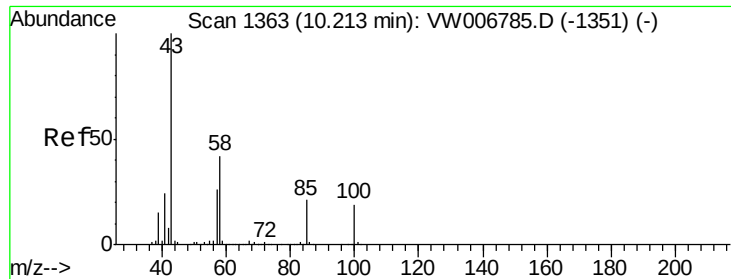
apatel
 11/12/2018 3:40:30 PM



#50
 Toluene-d8
 Concen: 10.761 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	98	Resp	98997
Ion Ratio	100	Lower	Upper
98	100		
100	65.4	51.6	77.4





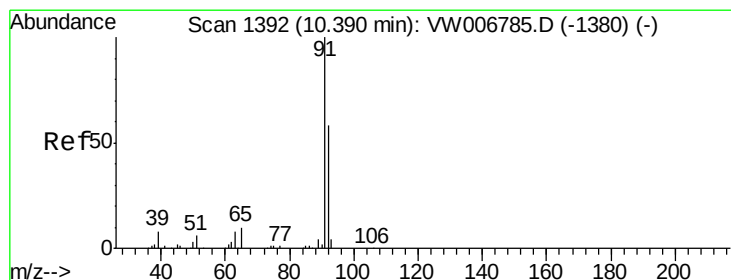
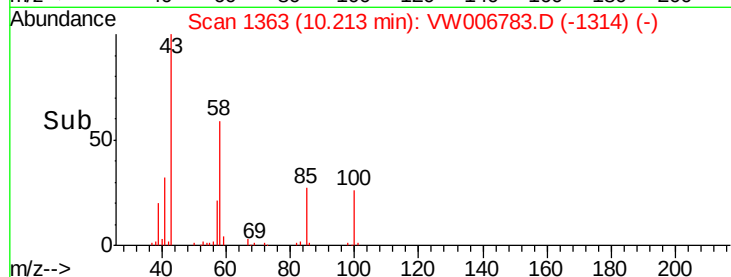
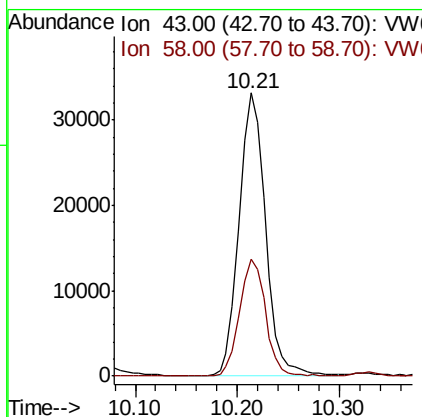
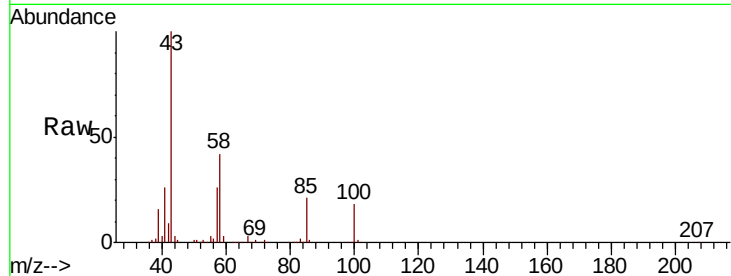
#51
 4-Methyl-2-Pentanone
 Concen: 49.811 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 43 Resp: 59908
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.4 50.0

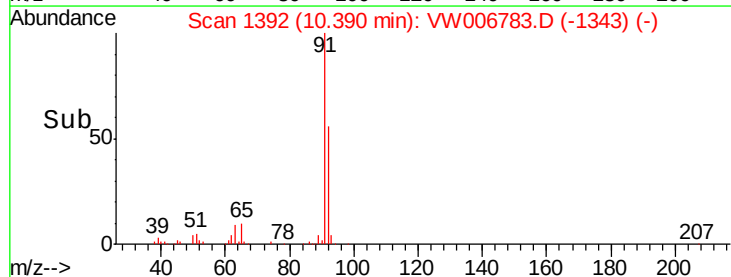
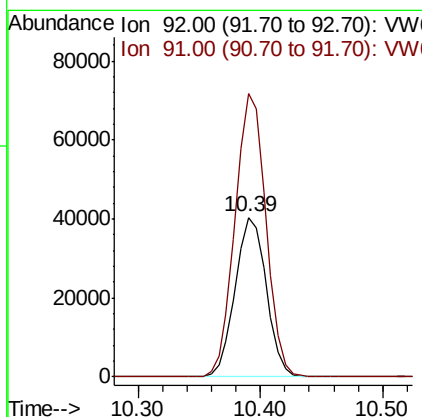
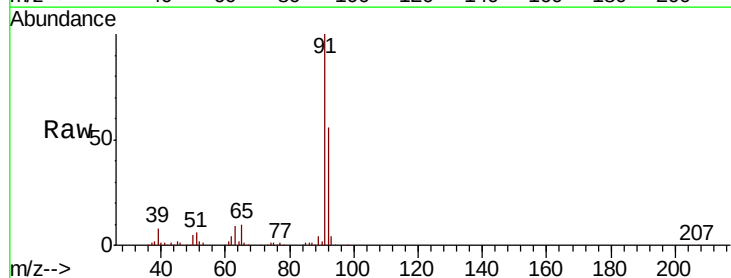
Manual Integrations
 APPROVED

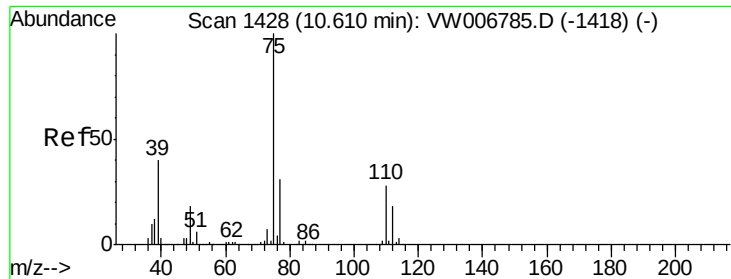
apatel
 11/12/2018 3:40:30 PM



#52
 Toluene
 Concen: 11.048 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 92 Resp: 71273
 Ion Ratio Lower Upper
 92 100
 91 176.0 138.6 208.0





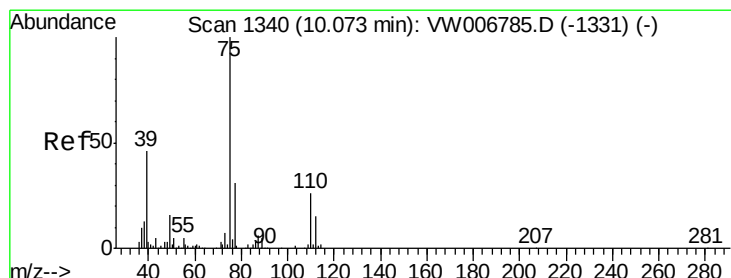
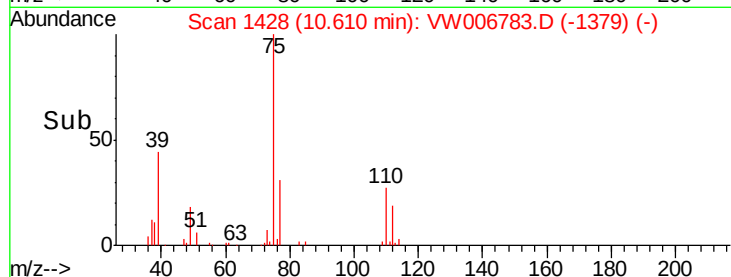
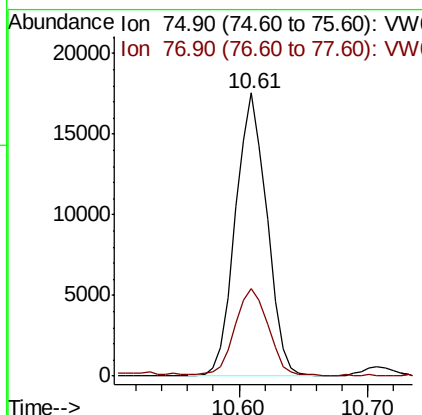
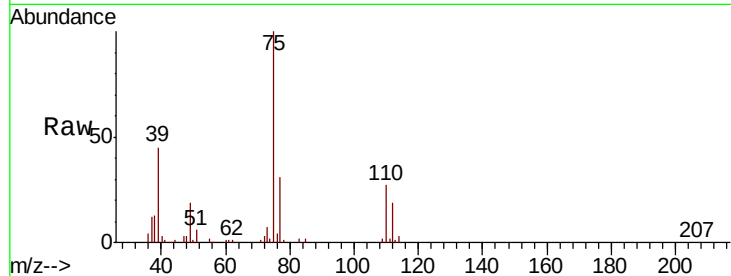
#53
 t-1,3-Dichloropropene
 Concen: 10.112 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 75 Resp: 29734
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4

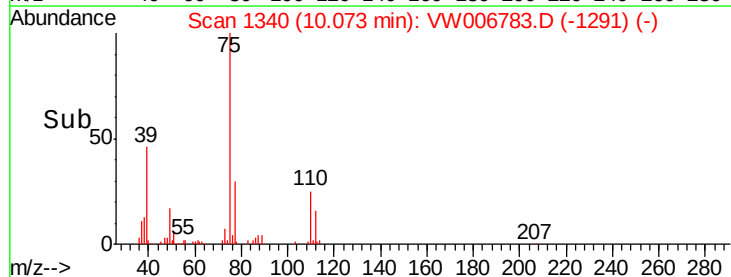
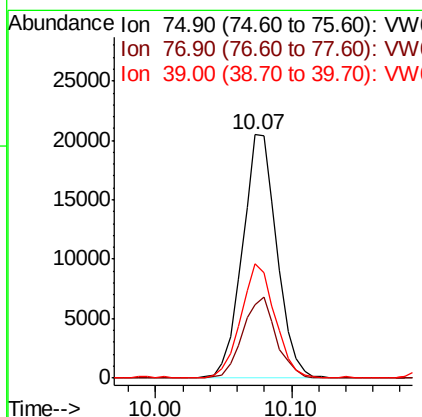
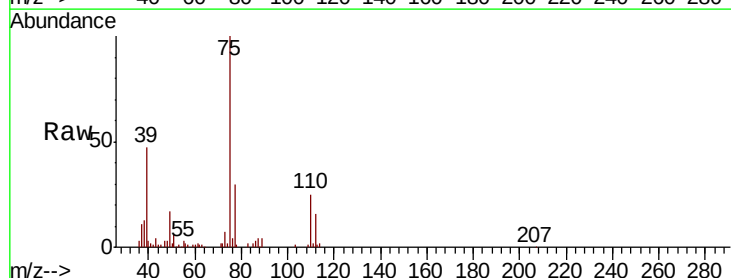
Manual Integrations
 APPROVED

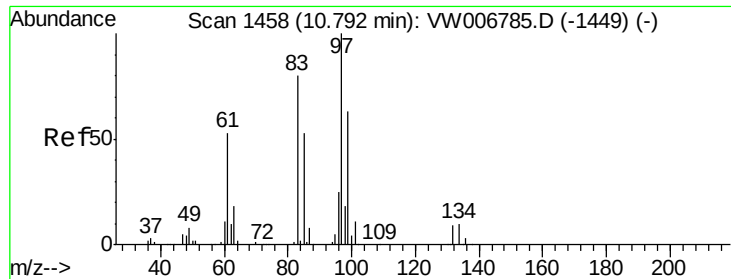
apatel
 11/12/2018 3:40:30 PM



#54
 cis-1,3-Dichloropropene
 Concen: 10.440 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 75 Resp: 36275
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.7 38.5
 39 46.8 37.3 55.9





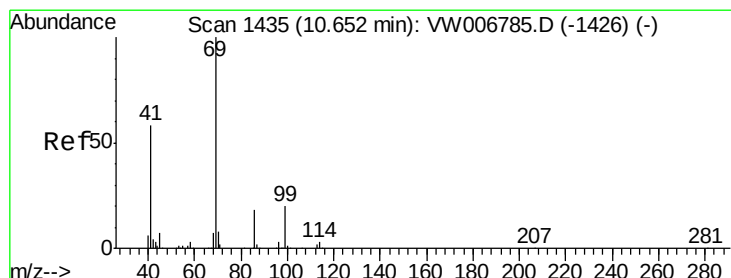
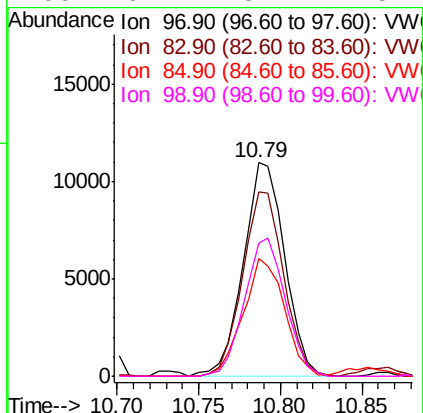
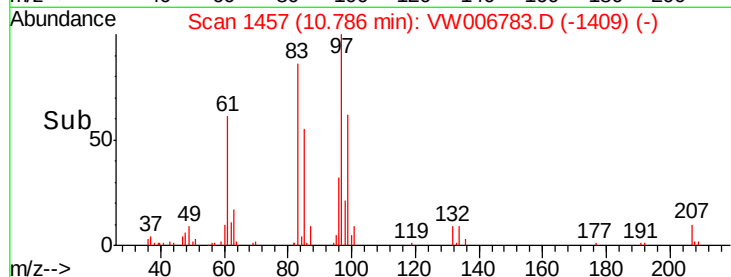
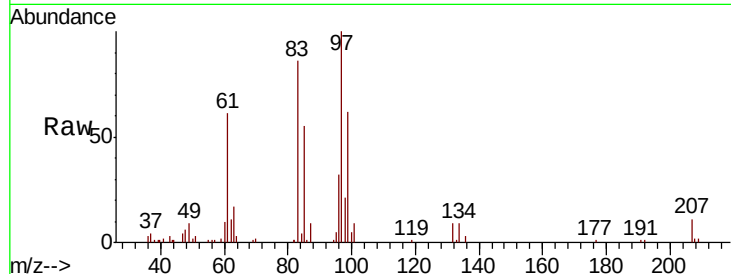
#55
 1,1,2-Trichloroethane
 Concen: 10.392 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	19402
Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.9	101.9
85	55.0	44.0	66.0
99	62.2	52.2	78.2

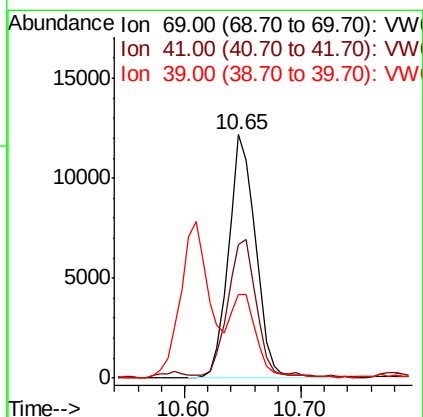
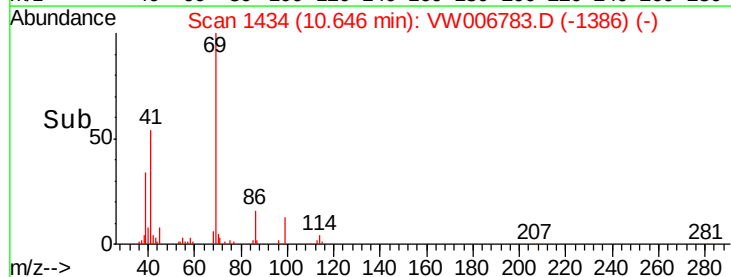
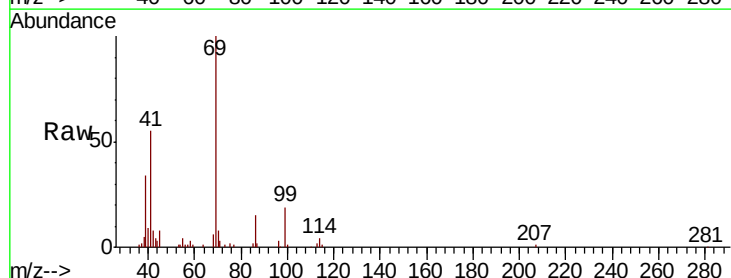
Manual Integrations
 APPROVED

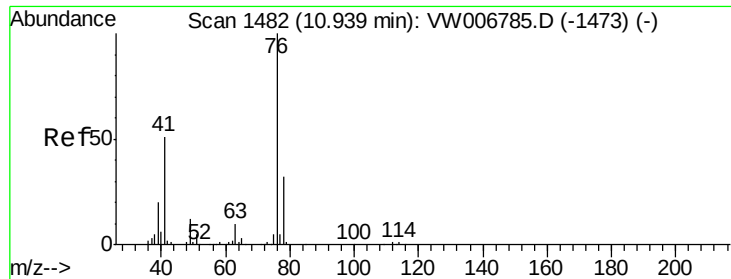
apatel
 11/12/2018 3:40:30 PM



#56
 Ethyl methacrylate
 Concen: 9.291 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion:	69	Resp:	19716
Ion	Ratio	Lower	Upper
69	100		
41	62.7	47.4	71.2
39	33.4	25.3	37.9





#57

1,3-Dichloropropane

Concen: 10.191 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 30896

Ion Ratio Lower Upper

76 100

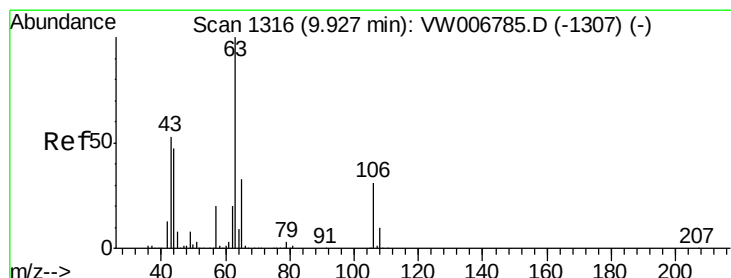
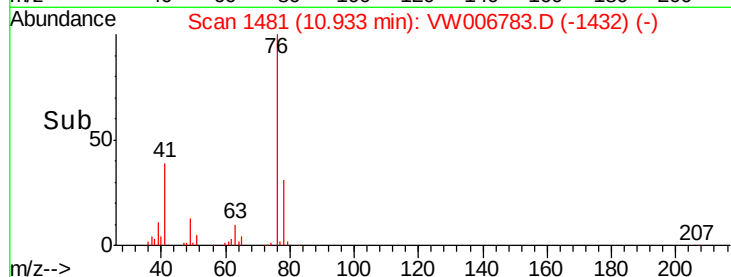
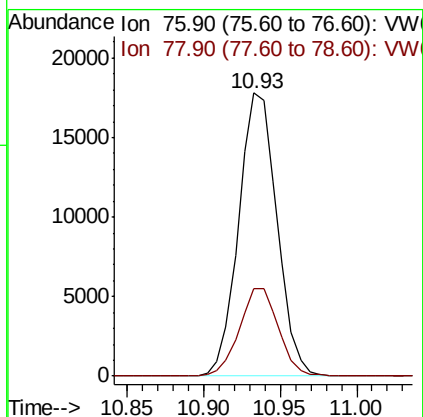
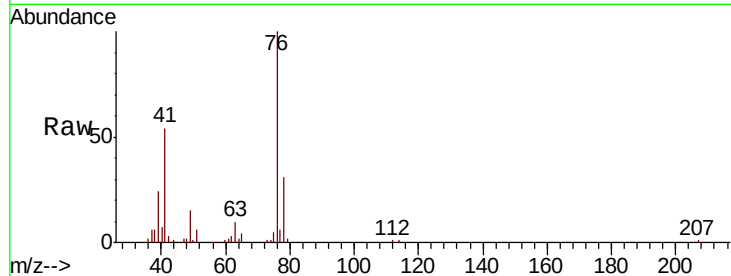
78 31.8 26.2 39.4

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#58

2-Chloroethyl Vinyl ether

Concen: 48.882 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006783.D

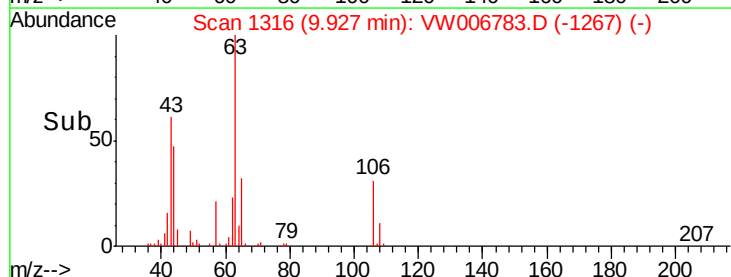
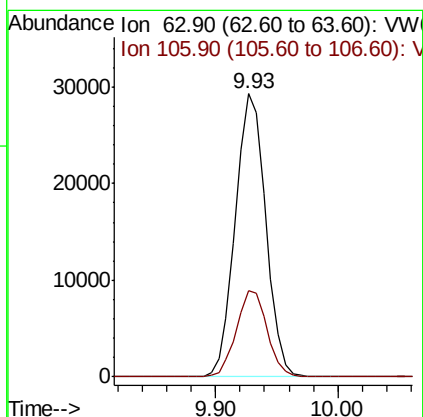
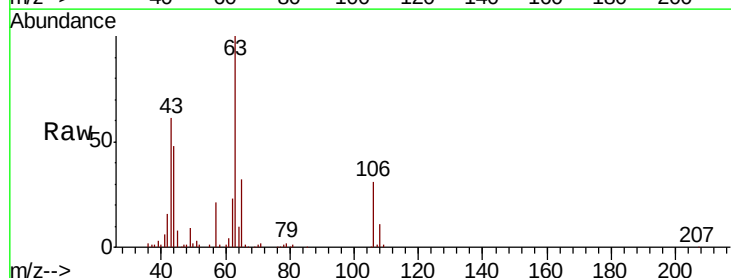
Acq: 09 Nov 2018 12:41

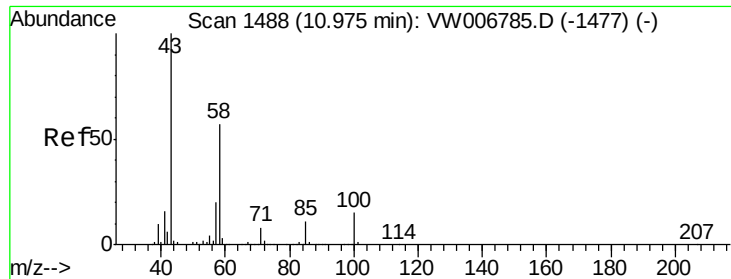
Tgt Ion: 63 Resp: 50423

Ion Ratio Lower Upper

63 100

106 30.9 25.4 38.2





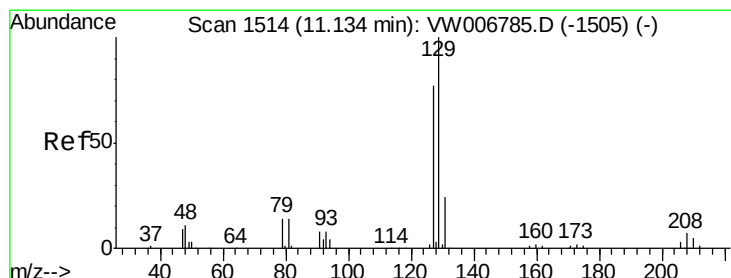
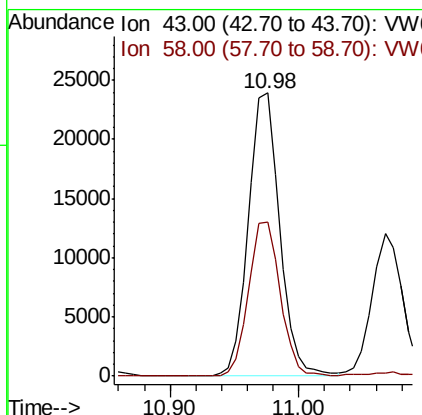
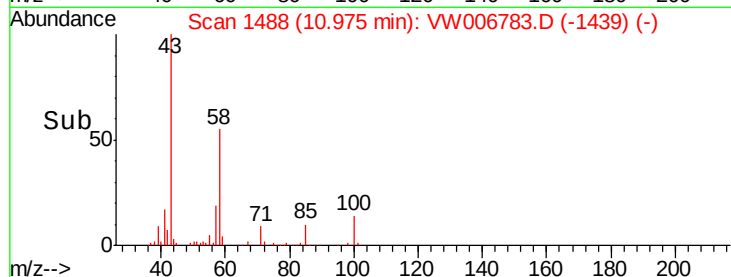
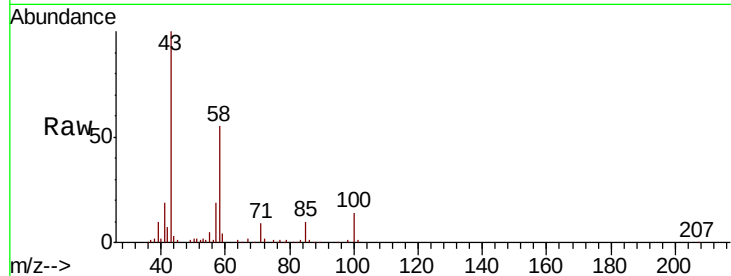
#59
2-Hexanone
Concen: 49.135 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 40136
Ion Ratio Lower Upper
43 100
58 55.0 28.8 86.4

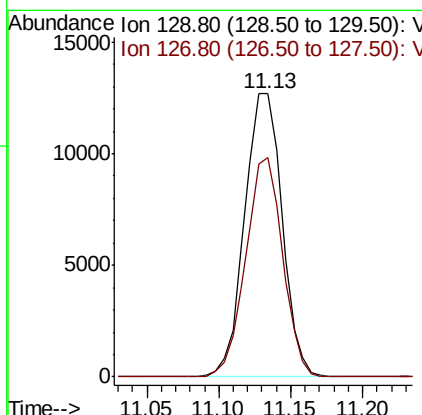
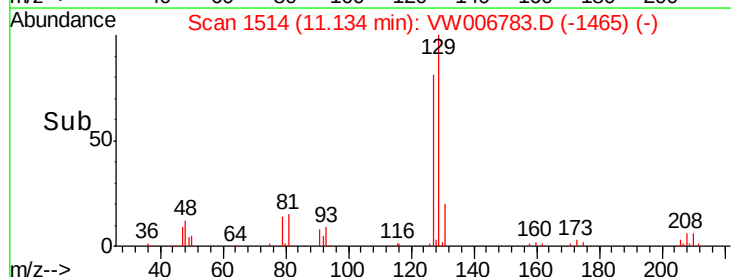
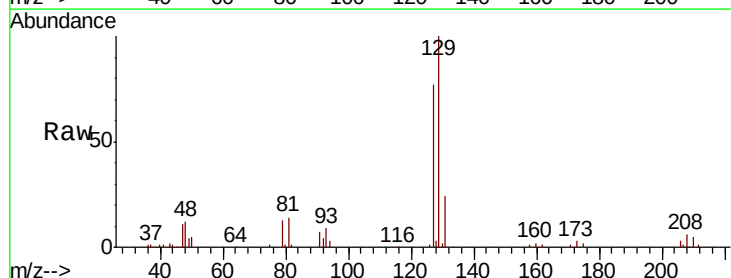
Manual Integrations
APPROVED

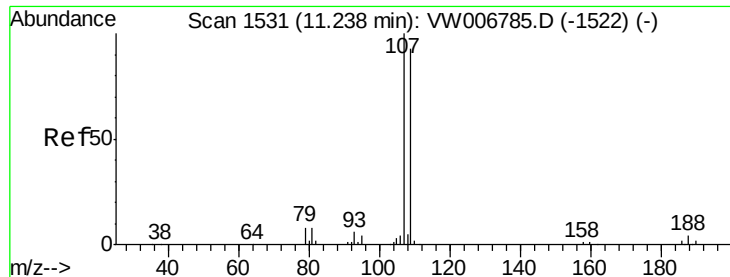
apatel
11/12/2018 3:40:30 PM



#60
Dibromochloromethane
Concen: 10.352 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 129 Resp: 22900
Ion Ratio Lower Upper
129 100
127 76.0 38.8 116.3





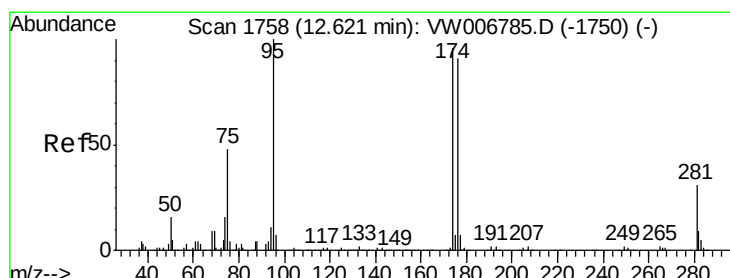
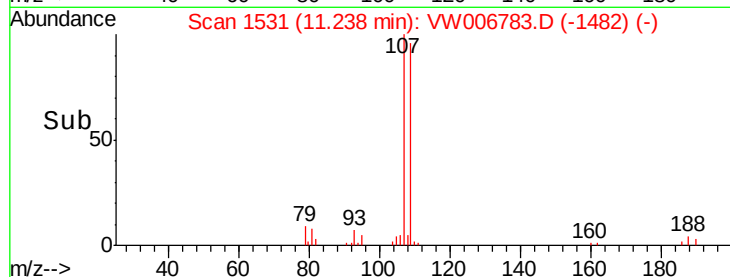
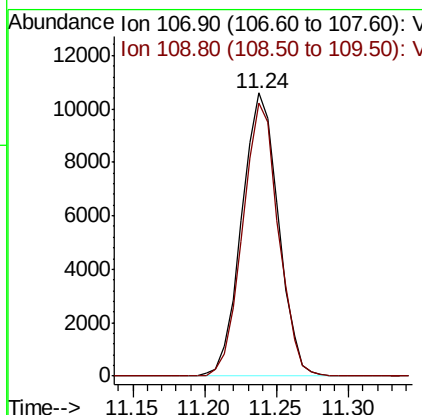
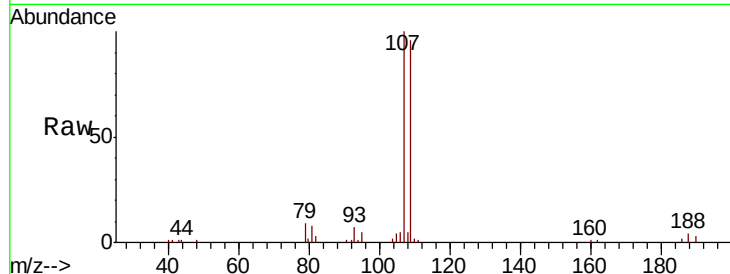
#61
 1,2-Dibromoethane
 Concen: 10.053 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.8	113.6

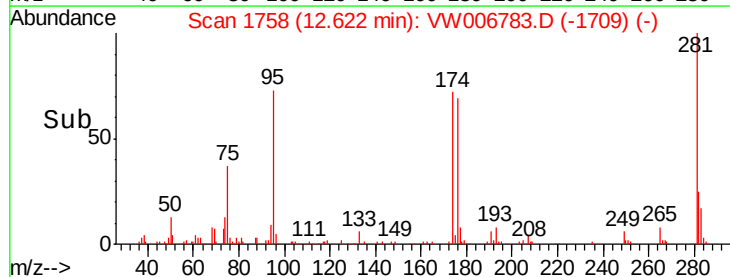
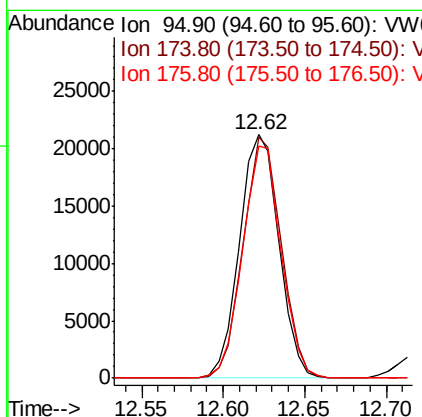
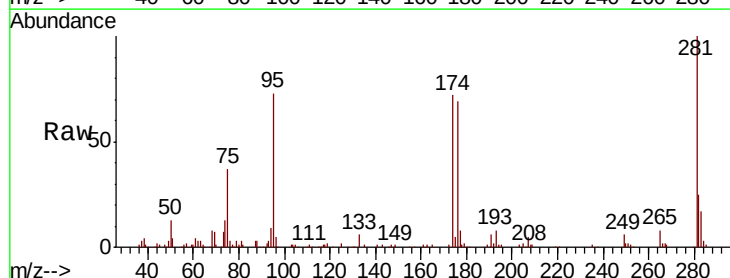
Manual Integrations
 APPROVED

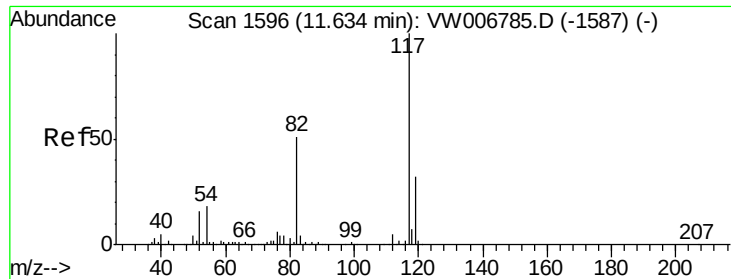
apatel
 11/12/2018 3:40:30 PM



#62
 4-Bromofluorobenzene
 Concen: 10.695 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	192.4
176	93.5	0.0	187.4





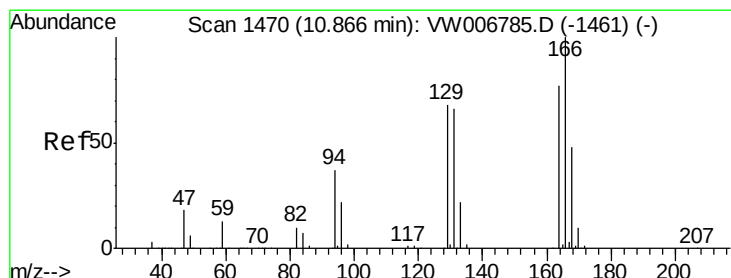
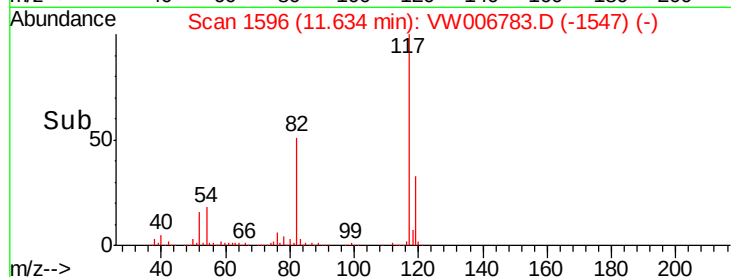
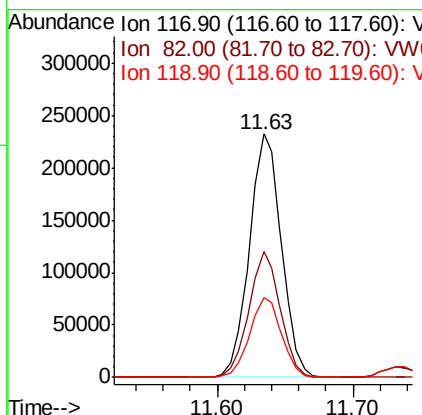
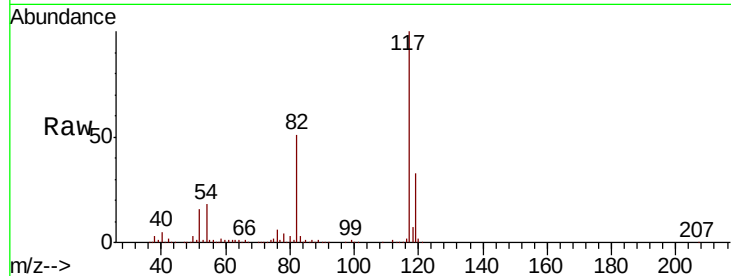
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.8	61.2
119	32.5	26.1	39.1

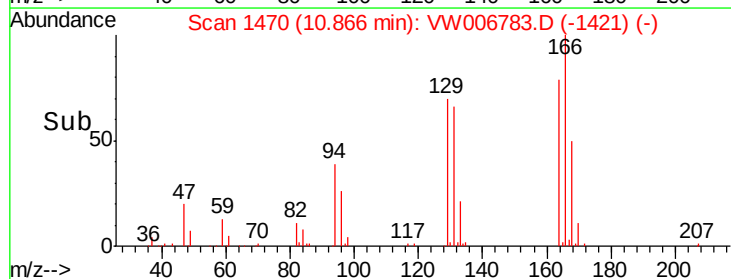
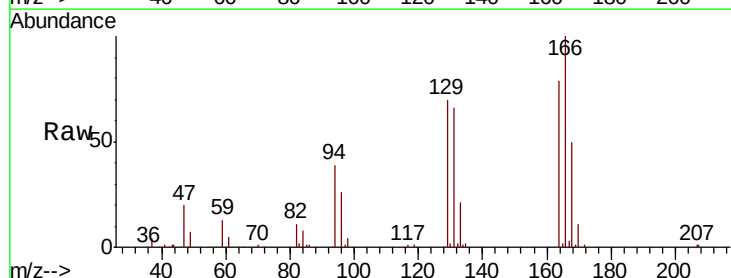
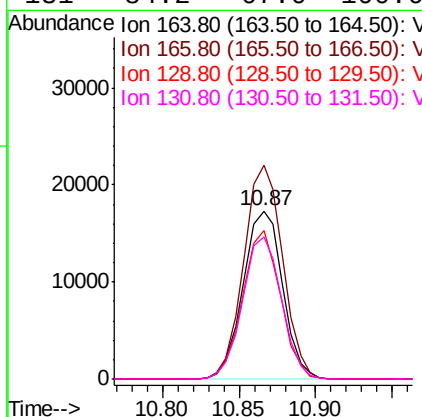
Manual Integrations
APPROVED

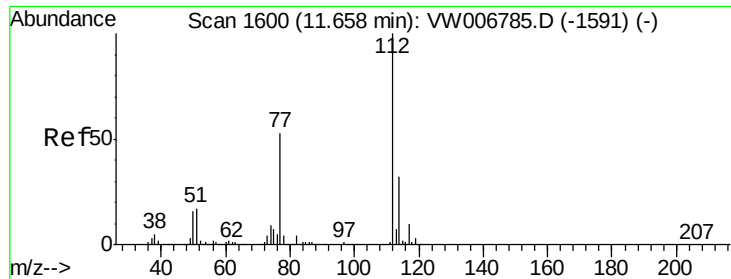
apatel
11/12/2018 3:40:30 PM



#64
Tetrachloroethene
Concen: 10.149 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.8	154.2
129	88.5	70.9	106.3
131	84.2	67.0	100.6





#65

Chlorobenzene

Concen: 10.617 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 85721

Ion Ratio Lower Upper

112 100

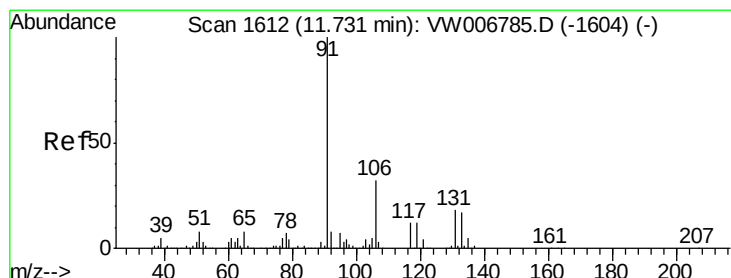
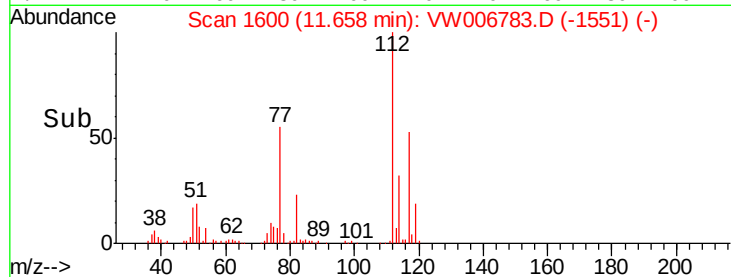
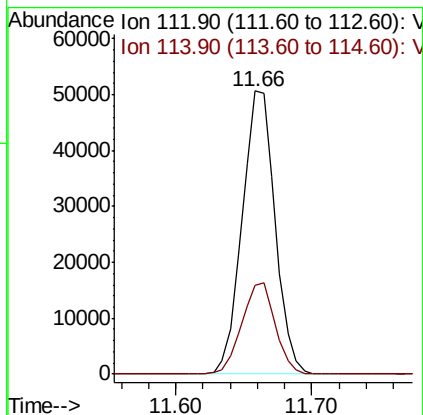
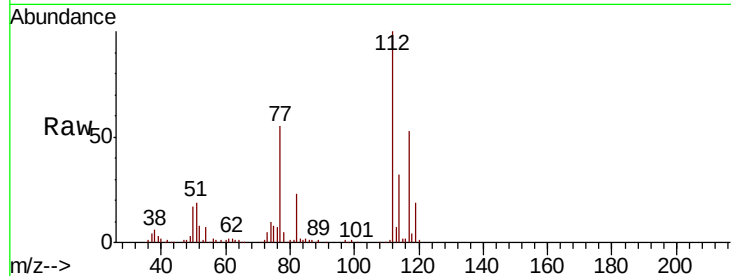
114 31.6 26.2 39.2

Manual Integrations

APPROVED

apatel

11/12/2018 3:40:30 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 9.397 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.01 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

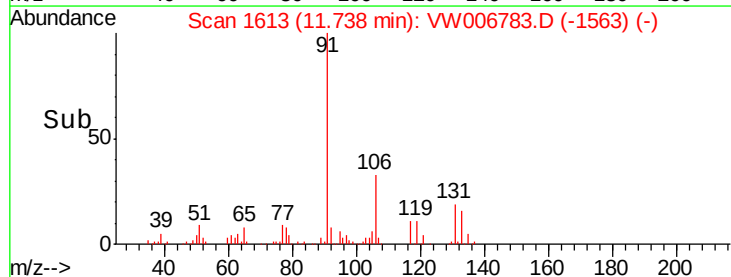
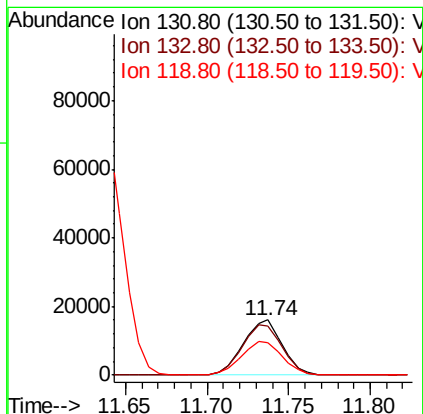
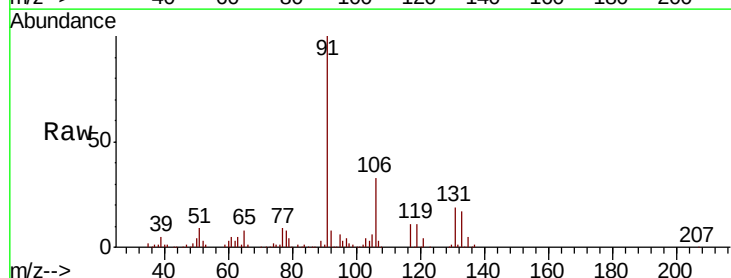
Tgt Ion:131 Resp: 26667

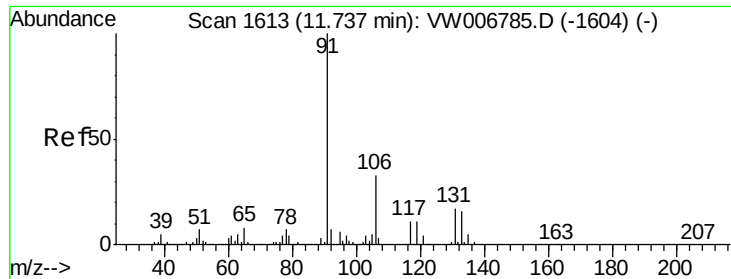
Ion Ratio Lower Upper

131 100

133 94.8 47.5 142.5

119 64.5 31.9 95.5





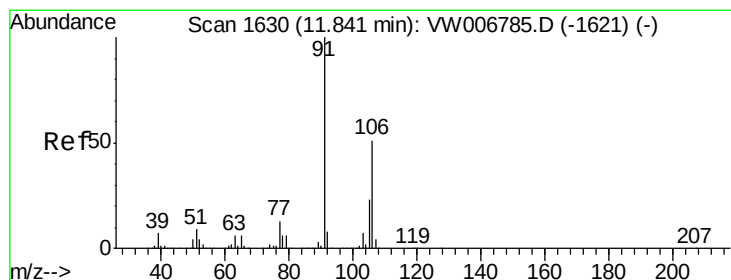
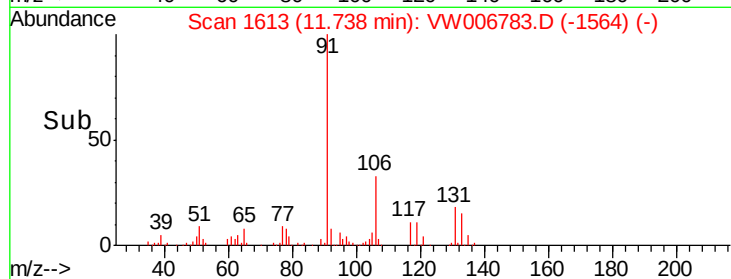
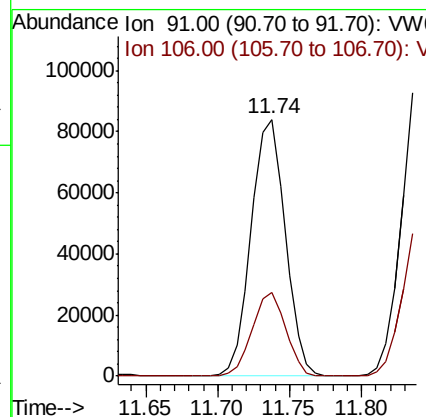
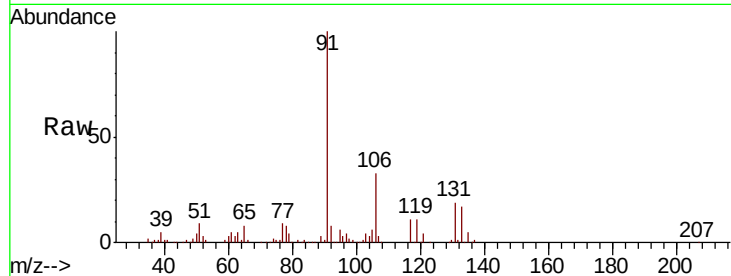
#67
Ethyl Benzene
Concen: 10.237 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 138147
Ion Ratio Lower Upper
91 100
106 32.8 26.3 39.5

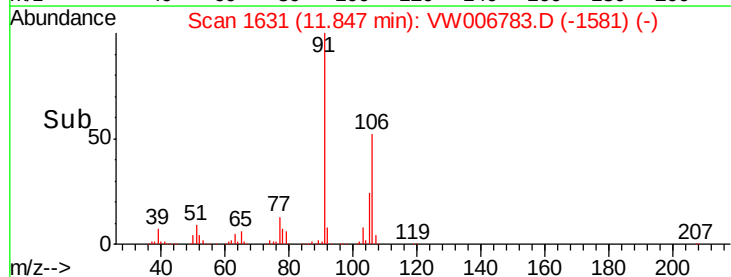
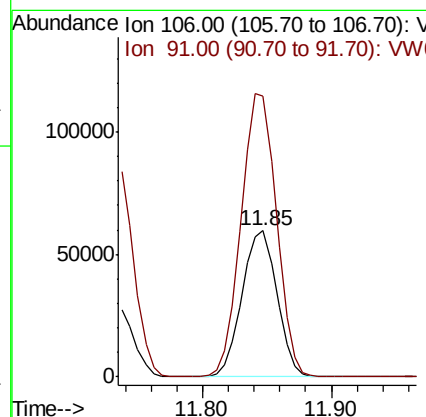
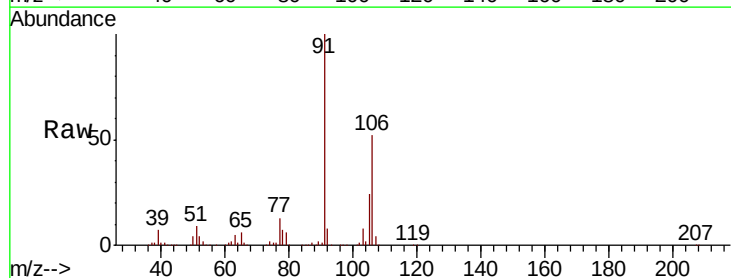
Manual Integrations
APPROVED

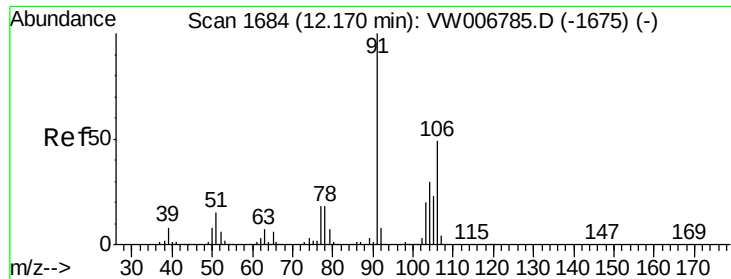
apatel
11/12/2018 3:40:30 PM



#68
m/p-Xylenes
Concen: 20.864 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion: 106 Resp: 112490
Ion Ratio Lower Upper
106 100
91 195.5 156.7 235.1





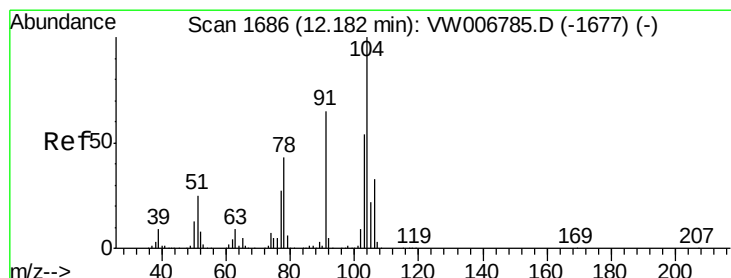
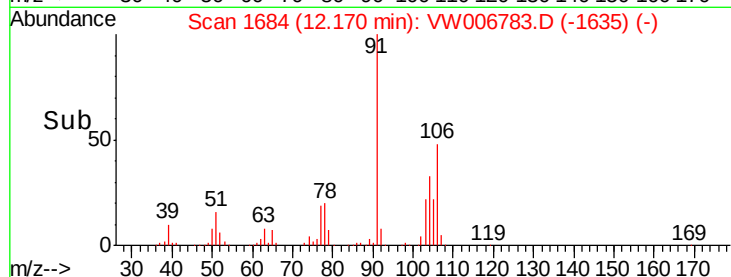
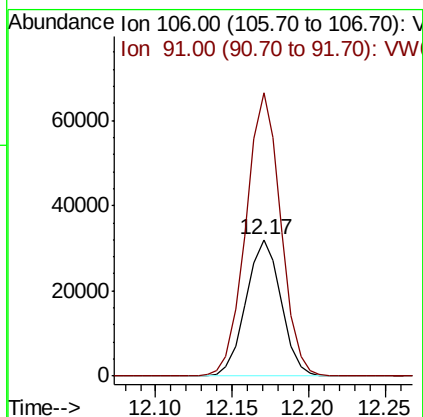
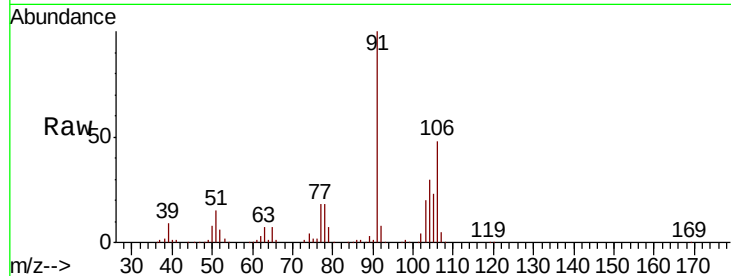
#69
o-Xylene
Concen: 9.931 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 50977
Ion Ratio Lower Upper
106 100
91 206.7 102.8 308.4

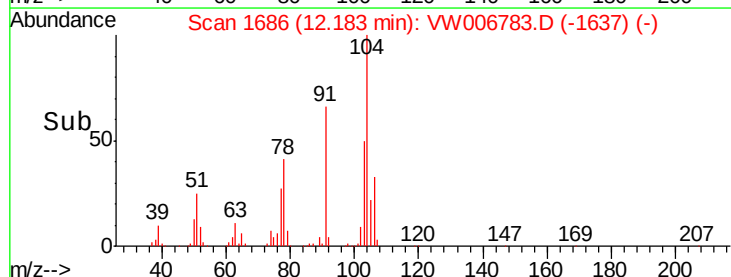
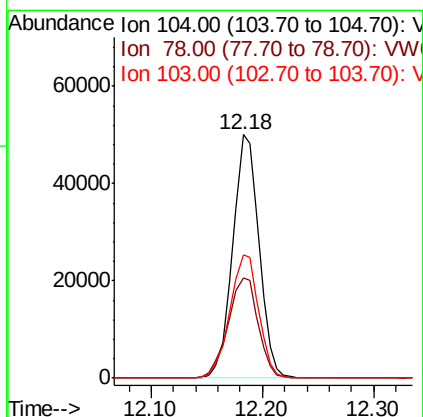
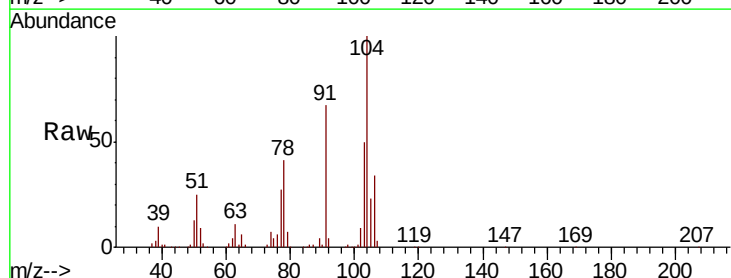
Manual Integrations
APPROVED

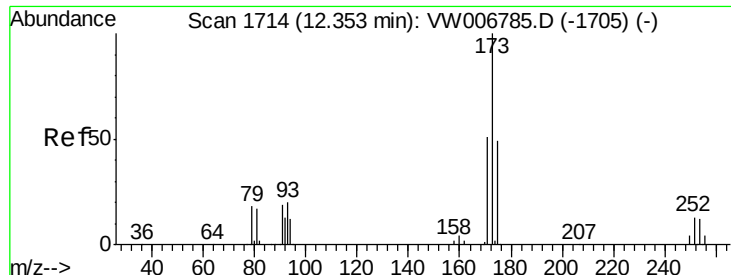
apatel
11/12/2018 3:40:30 PM



#70
Styrene
Concen: 9.790 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion:104 Resp: 81924
Ion Ratio Lower Upper
104 100
78 47.2 37.2 55.8
103 55.3 44.2 66.2





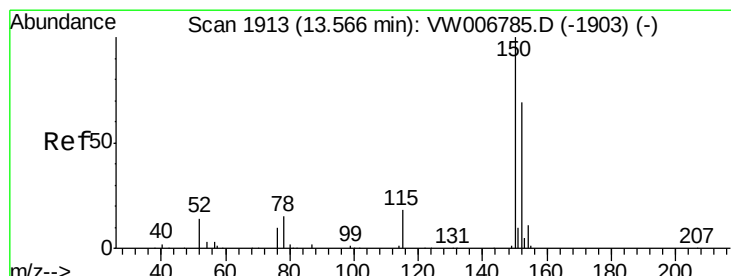
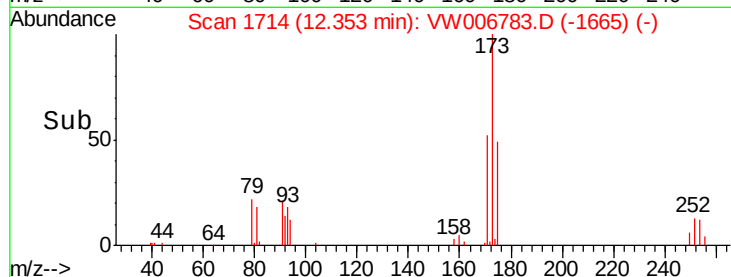
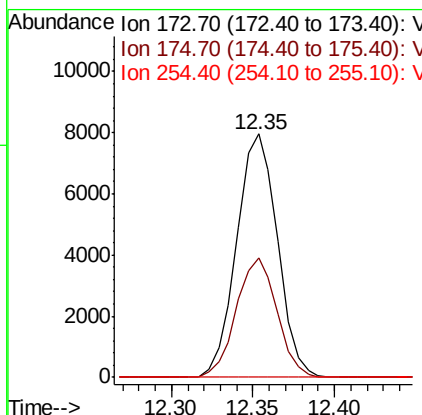
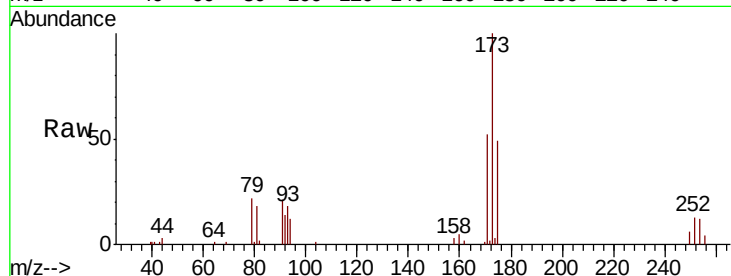
#71
Bromoform
Concen: 9.212 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.1	0.1#

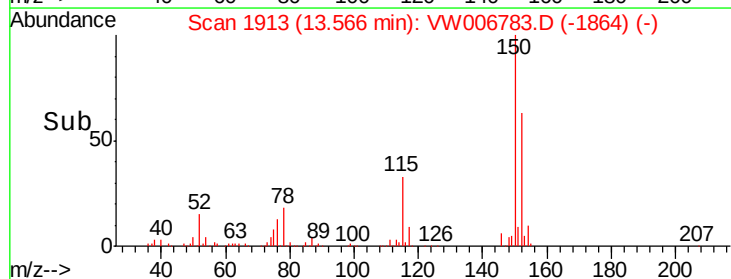
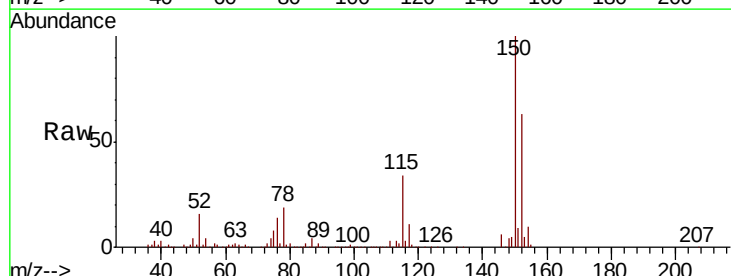
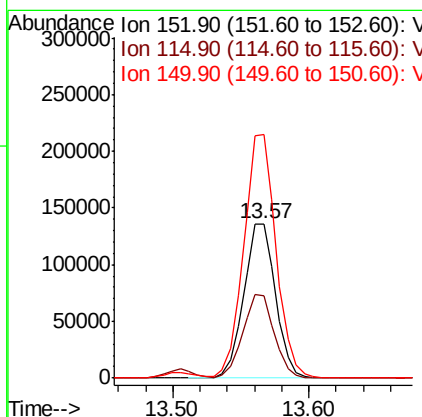
Manual Integrations
APPROVED

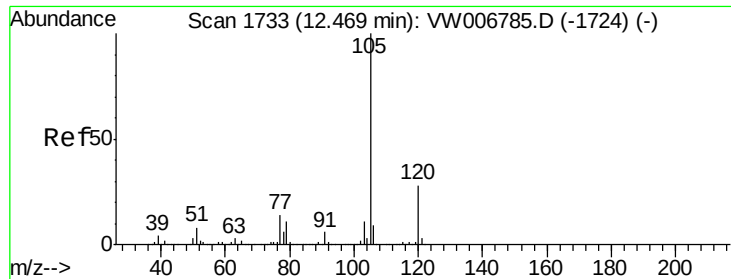
apatel
11/12/2018 3:40:30 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.6	26.6	79.8
150	160.5	0.0	344.6





#73

Isopropylbenzene

Concen: 9.449 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 137665

Ion Ratio Lower Upper

105 100

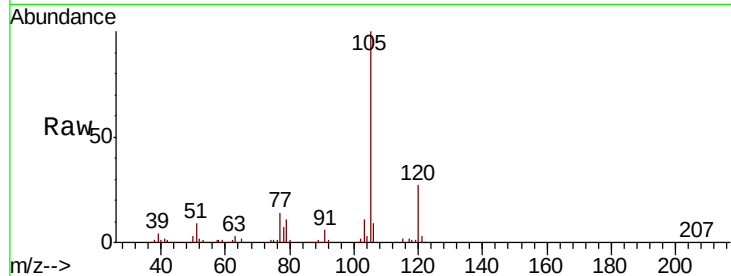
120 27.5 13.7 41.1

Manual Integrations

APPROVED

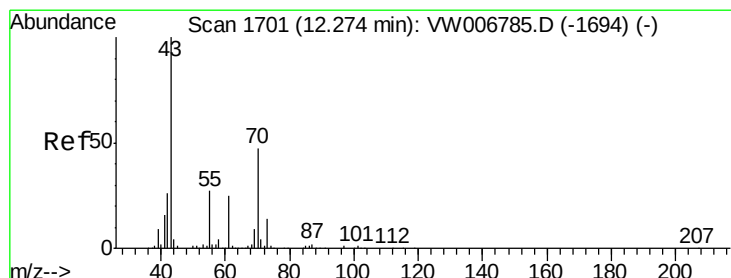
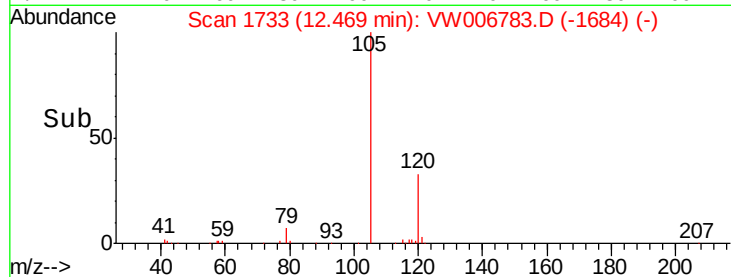
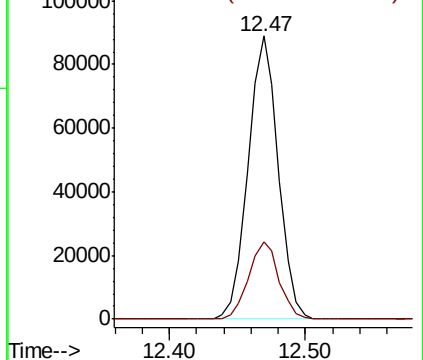
apatel

11/12/2018 3:40:30 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 8.815 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion: 43 Resp: 22193

Ion Ratio Lower Upper

43 100

70 46.3 36.9 55.3

55 28.5 20.7 31.1

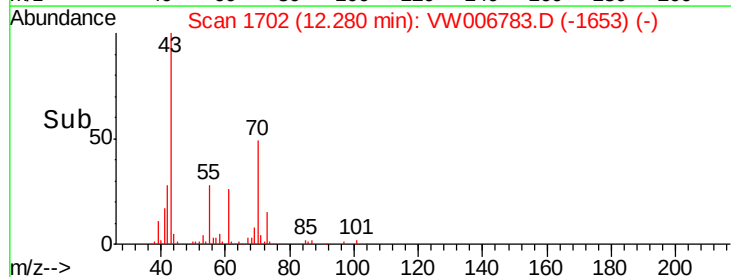
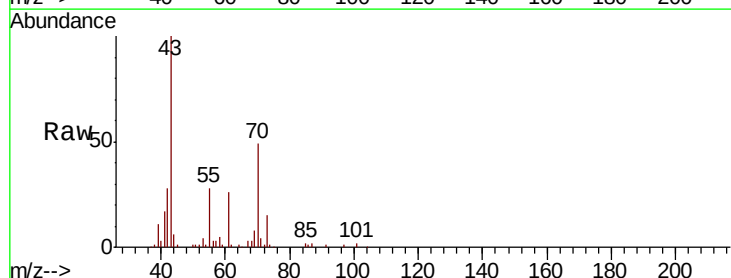
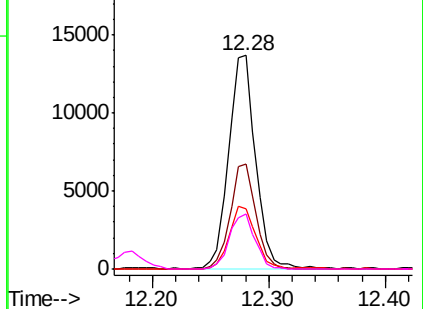
61 24.3 20.7 31.1

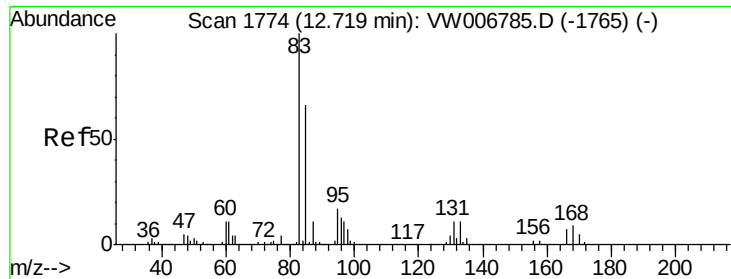
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





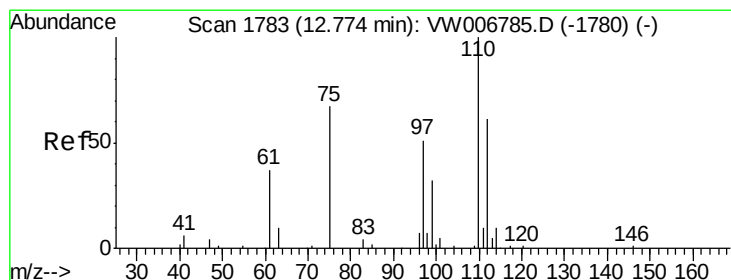
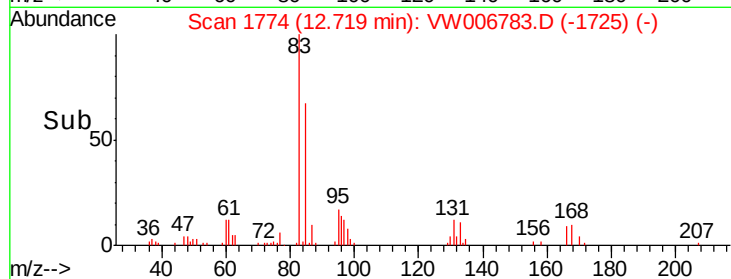
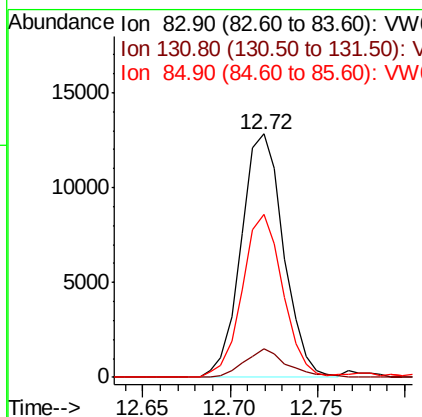
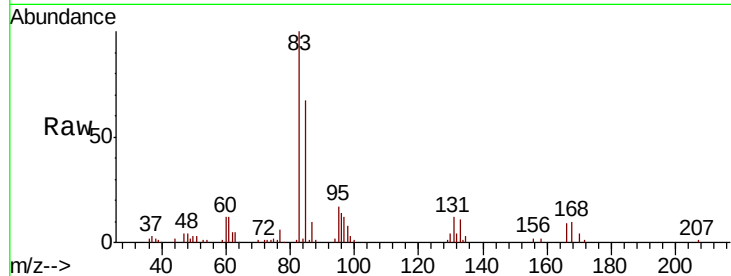
#75
 1,1,2,2-Tetrachloroethane
 Concen: 9.391 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	83	Resp	21610
Ion Ratio	100	Lower	Upper
83	100		
131	11.8	5.9	17.7
85	64.2	32.3	96.8

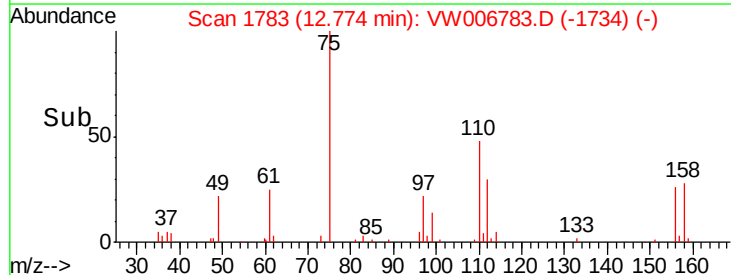
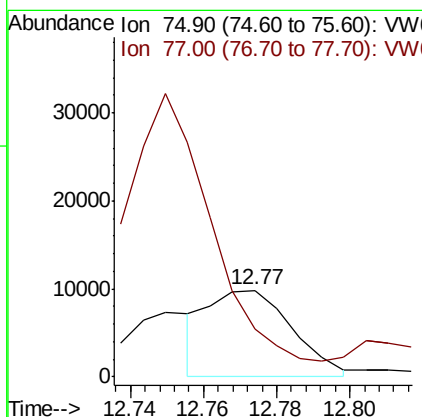
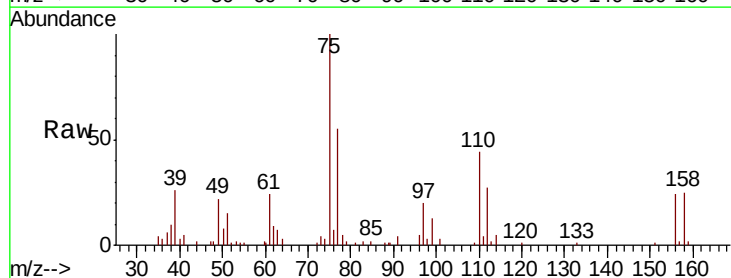
Manual Integrations
 APPROVED

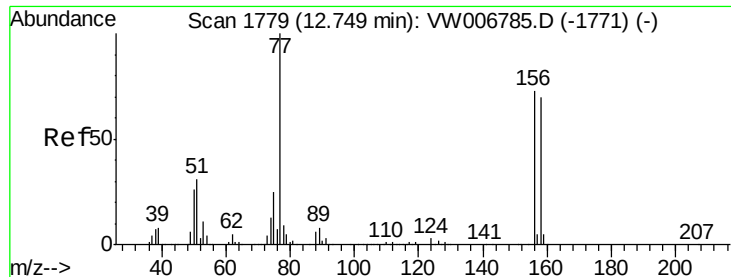
apatel
 11/12/2018 3:40:30 PM



#76
 1,2,3-Trichloropropane
 Concen: 9.052 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	75	Resp	15620
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





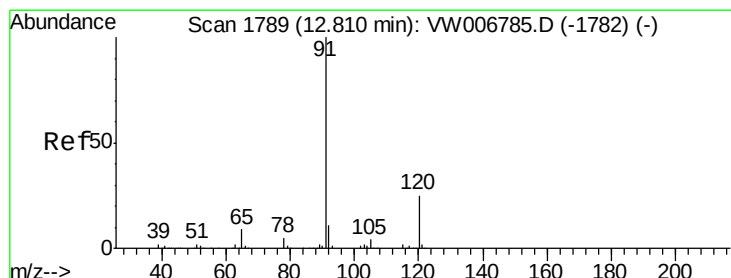
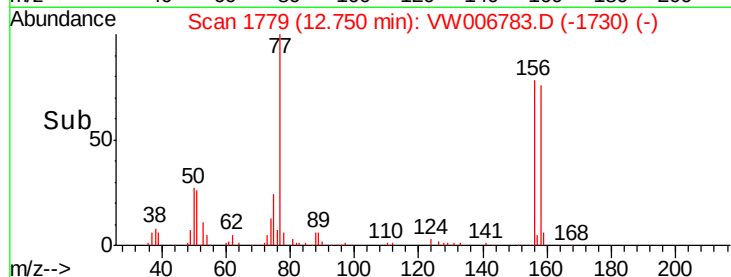
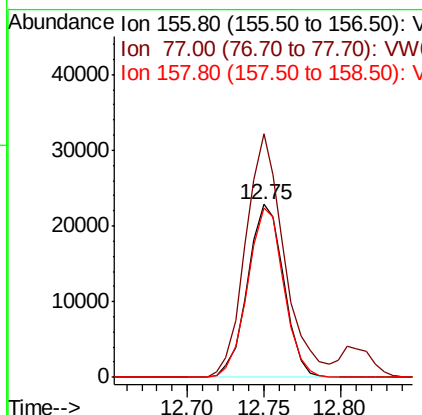
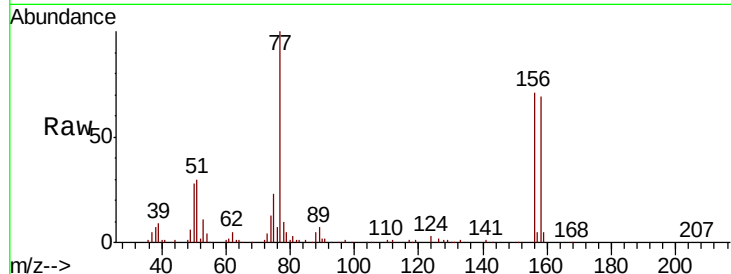
#77
Bromobenzene
Concen: 9.969 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	149.9	75.9	227.8	
158	97.3	48.6	145.9	

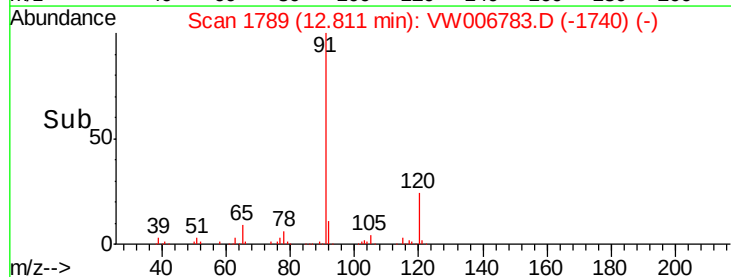
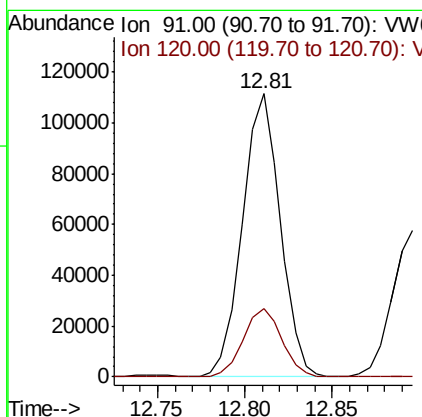
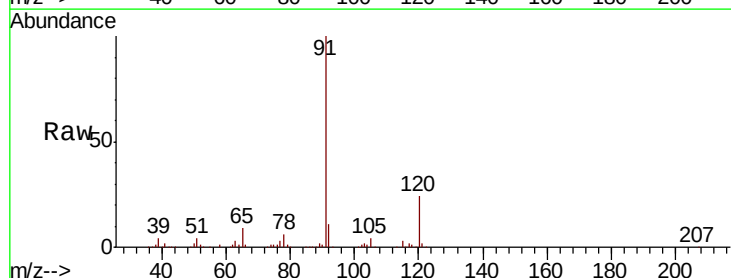
Manual Integrations
APPROVED

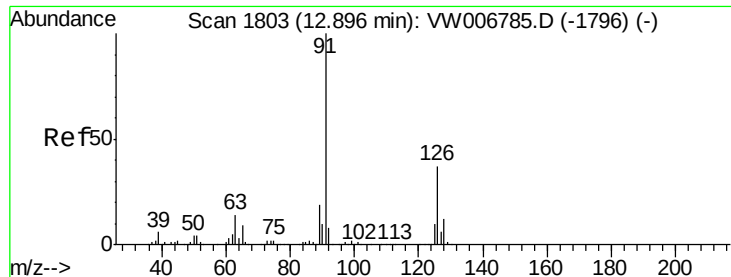
apatel
11/12/2018 3:40:30 PM



#78
n-propylbenzene
Concen: 9.941 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.8	12.4	37.0	





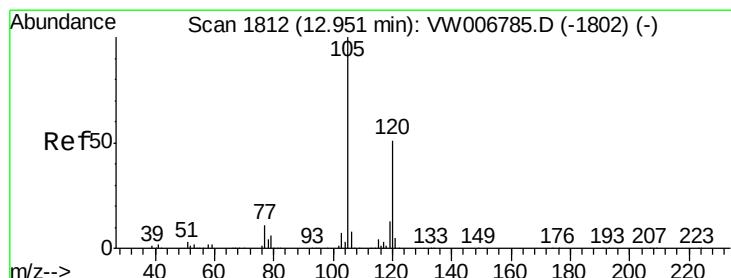
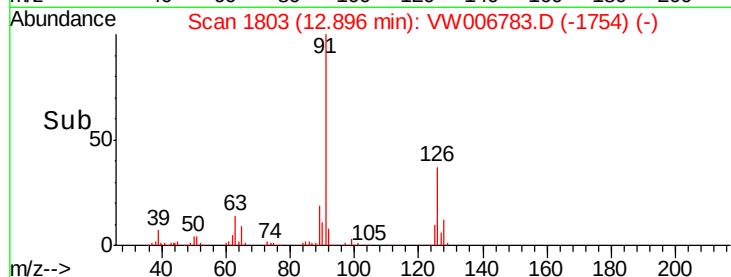
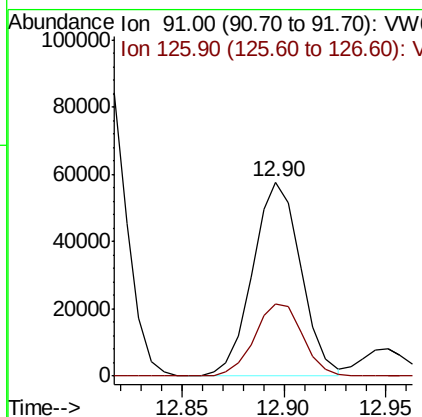
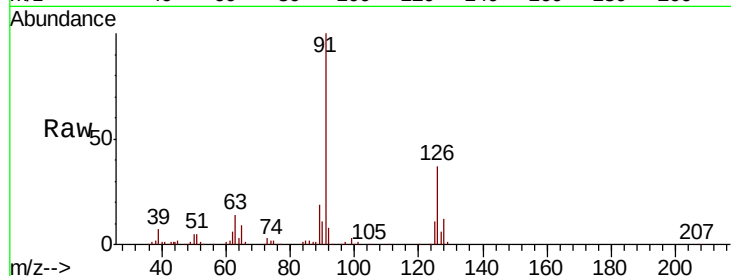
#79
 2-Chlorotoluene
 Concen: 9.838 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 94623
 Ion Ratio Lower Upper
 91 100
 126 37.4 18.5 55.5

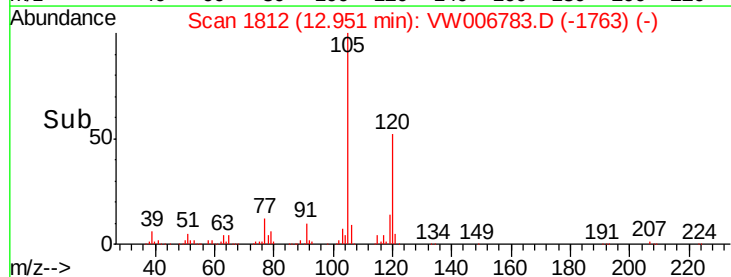
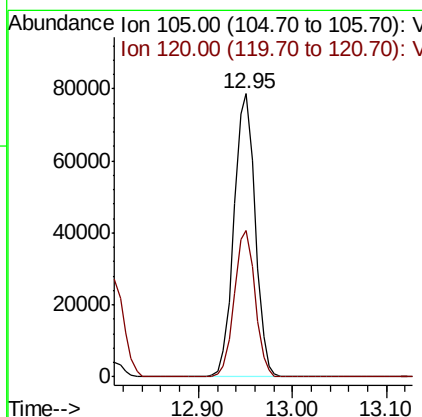
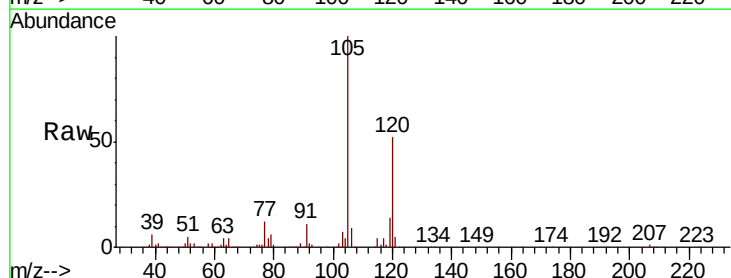
Manual Integrations
 APPROVED

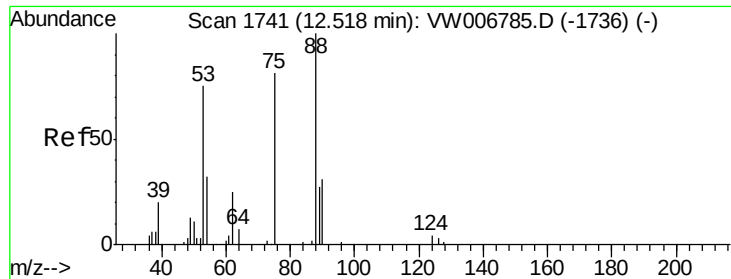
apatel
 11/12/2018 3:40:30 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 10.058 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion: 105 Resp: 123120
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.1 75.3





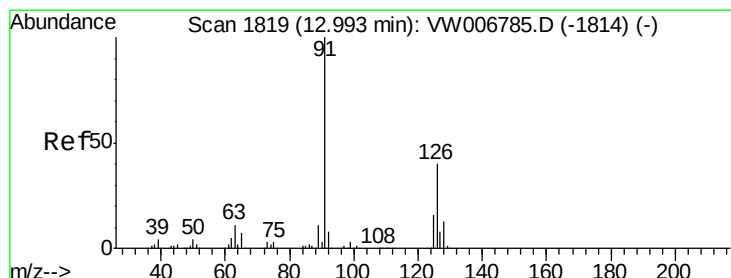
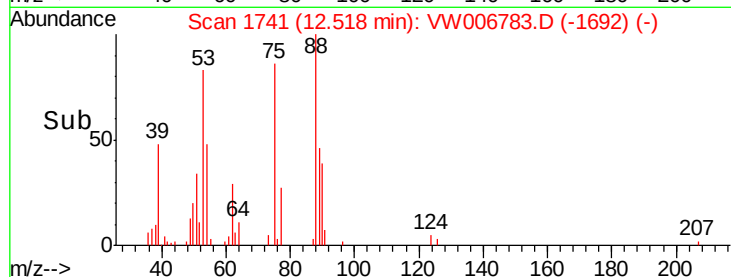
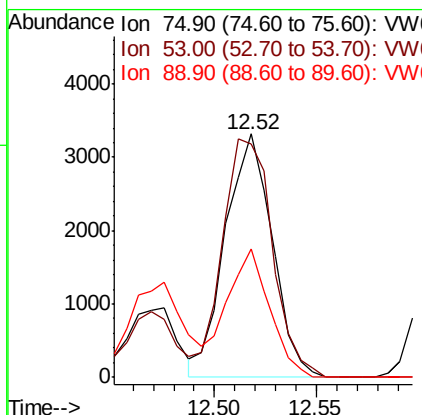
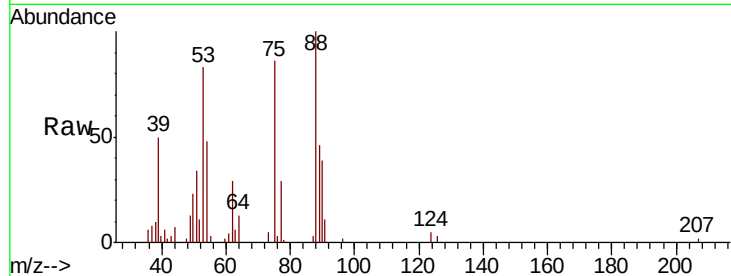
#81
trans-1,4-Dichloro-2-butene
Concen: 8.916 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.6	77.2	115.8
89	48.4	38.6	58.0

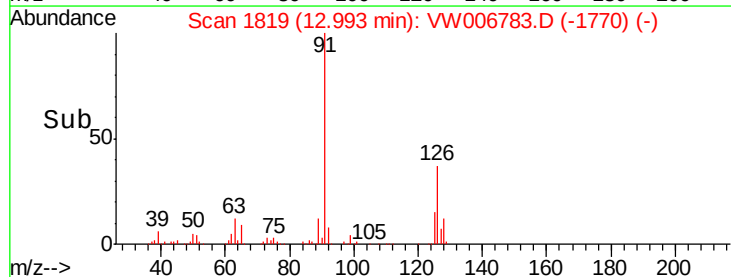
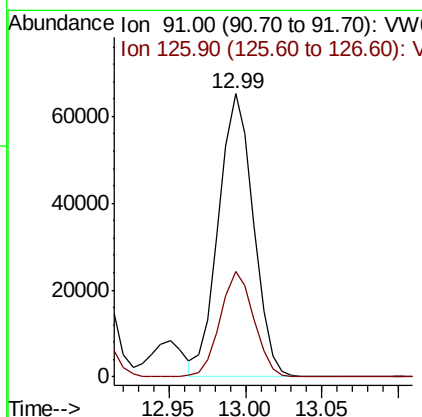
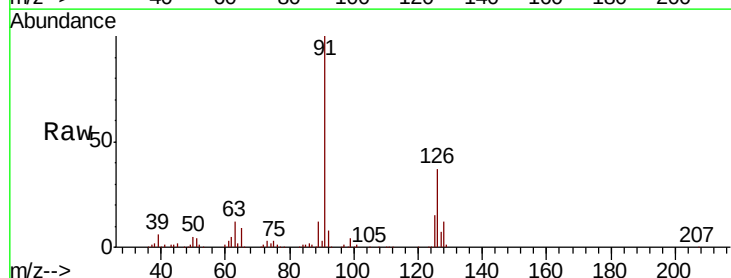
Manual Integrations
APPROVED

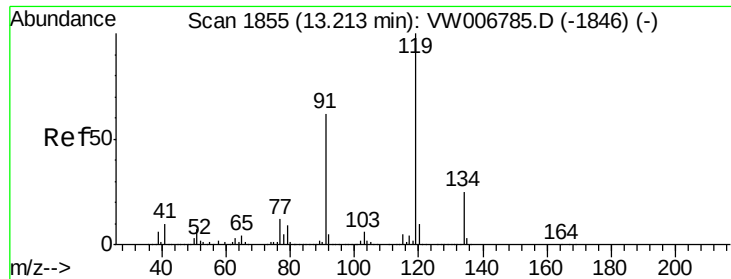
apatel
11/12/2018 3:40:30 PM



#82
4-Chlorotoluene
Concen: 10.140 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.5	55.5





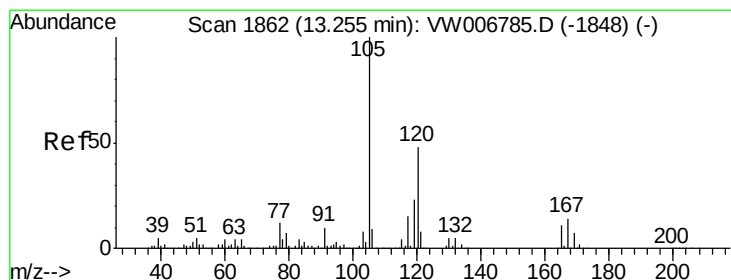
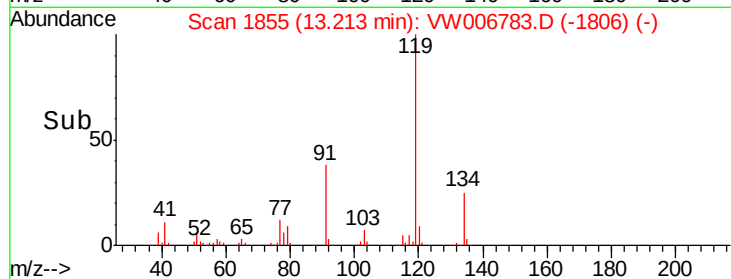
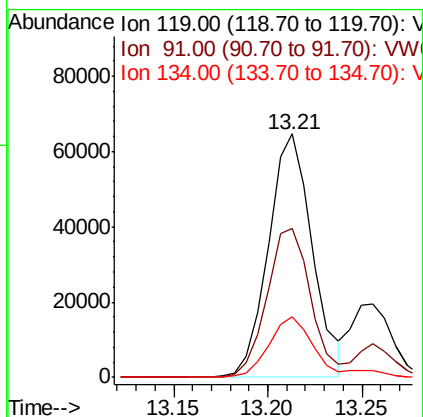
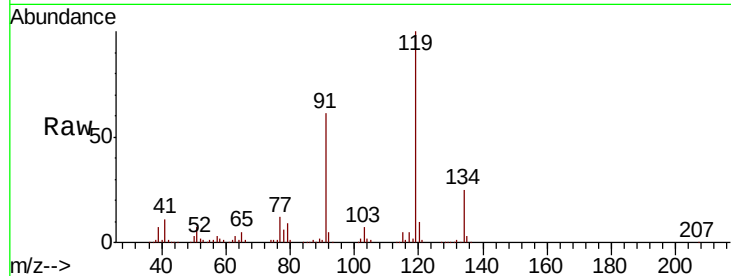
#83
tert-Butylbenzene
Concen: 9.574 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.4	91.3
134	24.9	13.5	40.4

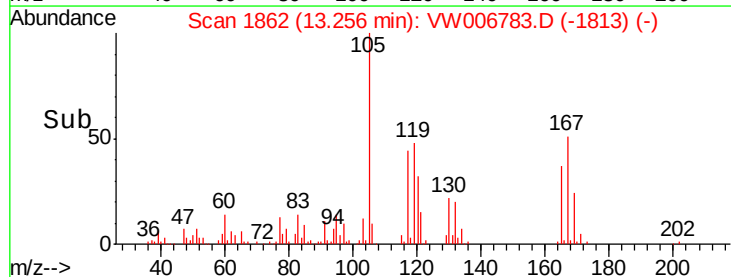
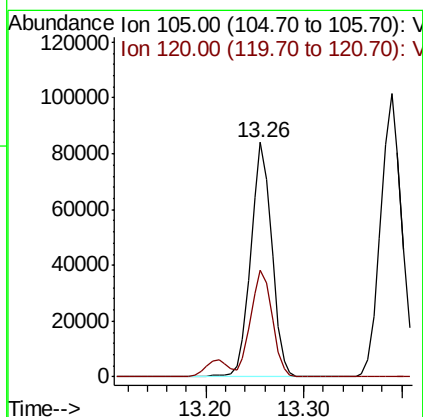
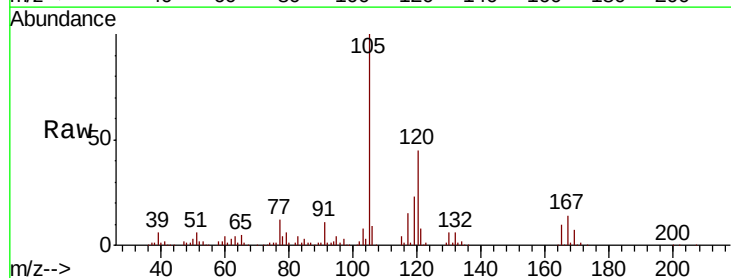
Manual Integrations
APPROVED

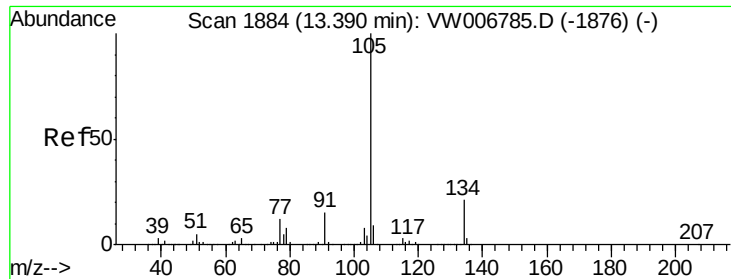
apatel
11/12/2018 3:40:30 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.032 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.6





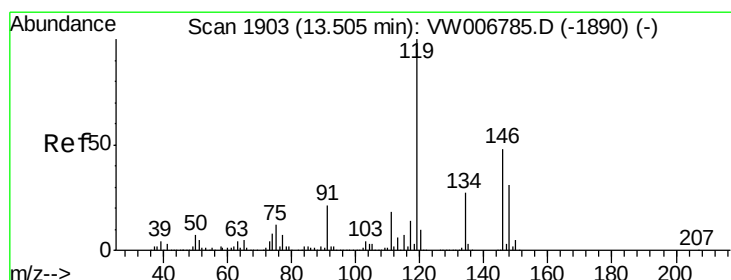
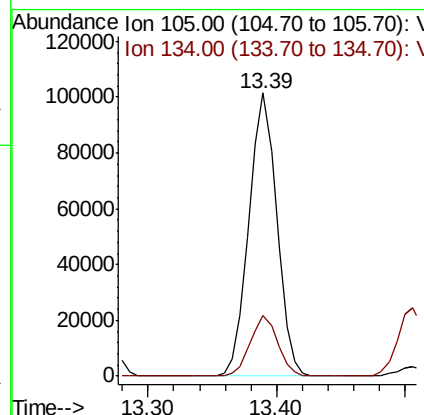
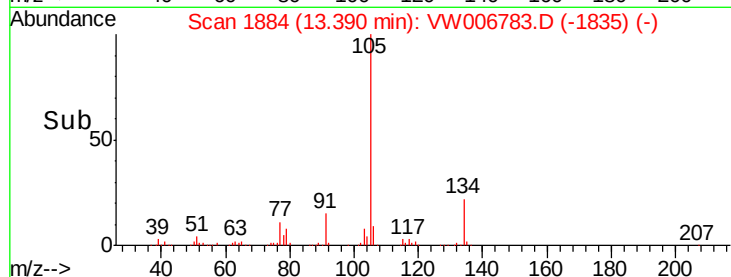
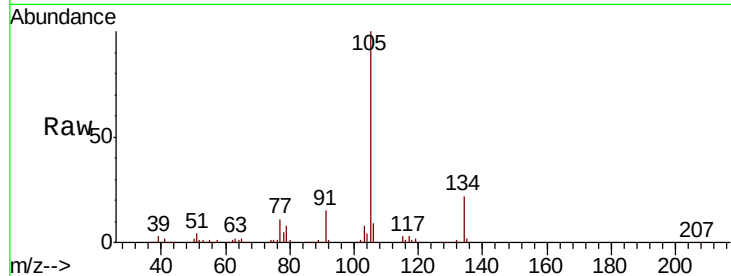
#85
 sec-Butylbenzene
 Concen: 9.925 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8

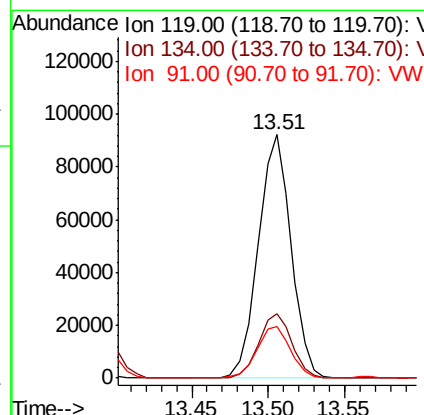
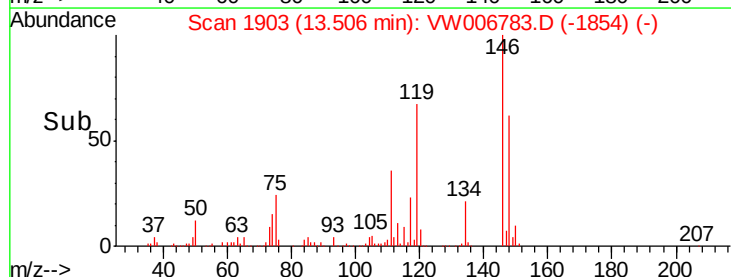
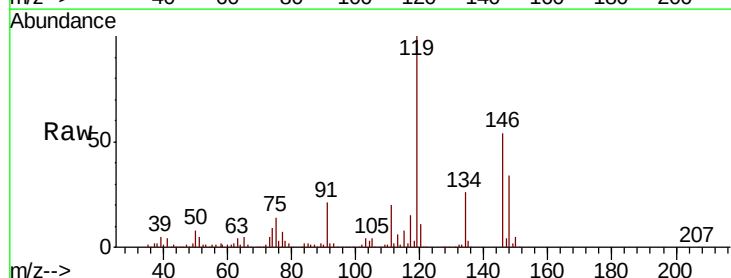
Manual Integrations
 APPROVED

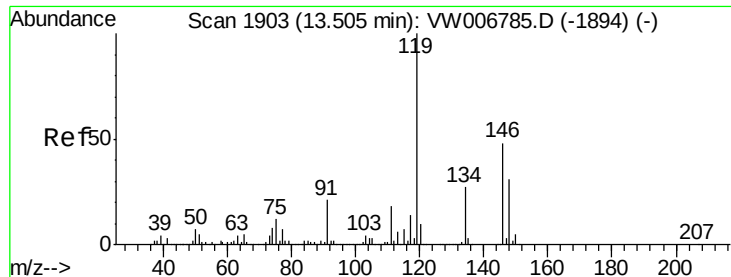
apatel
 11/12/2018 3:40:30 PM



#86
 p-Isopropyltoluene
 Concen: 9.865 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.6	40.7
91	21.9	10.9	32.6





#87

1,3-Dichlorobenzene

Concen: 10.397 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

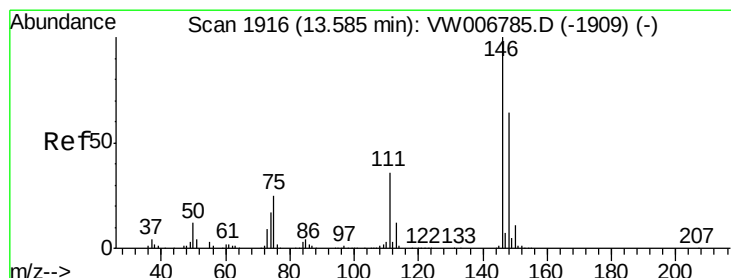
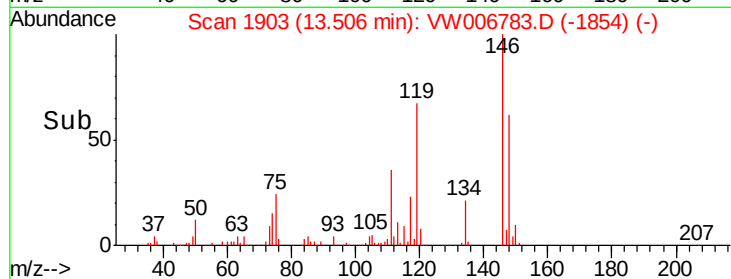
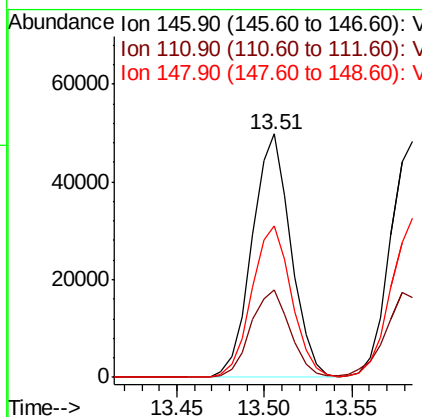
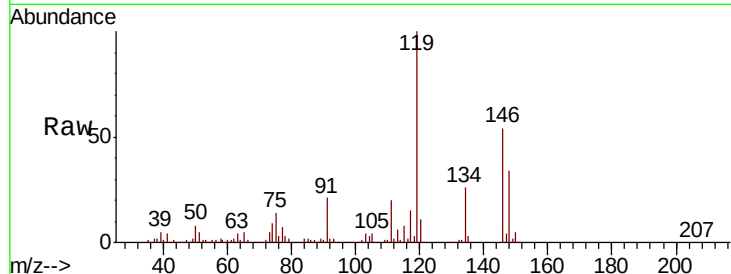
Instrument :
MSVOA_W

ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.6
148	63.8	32.1	96.3

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM



#88

1,4-Dichlorobenzene

Concen: 10.533 ug/l

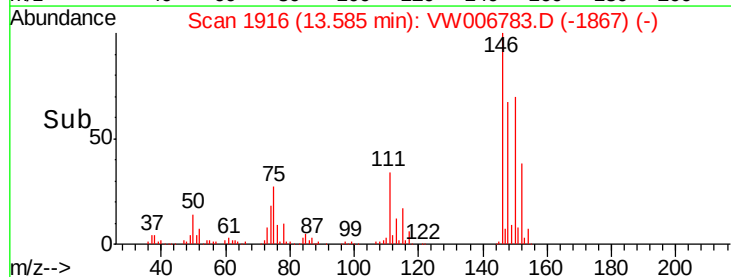
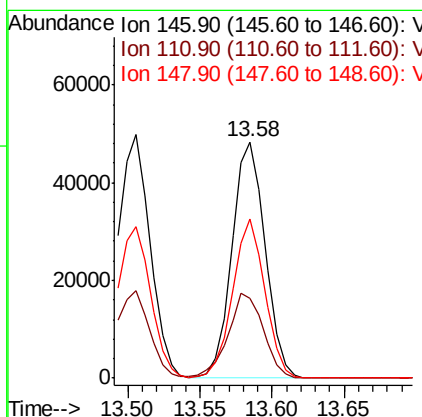
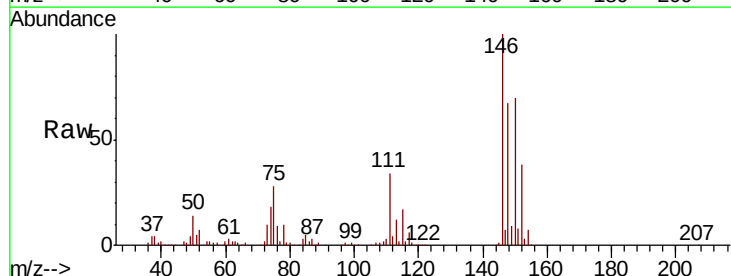
RT: 13.58 min Scan# 1916

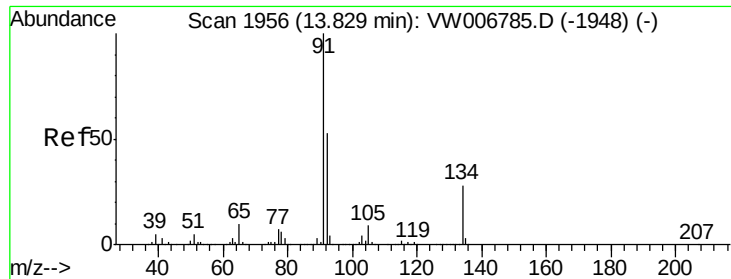
Delta R.T. 0.00 min

Lab File: VW006783.D

Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	17.9	53.7
148	65.6	32.1	96.5





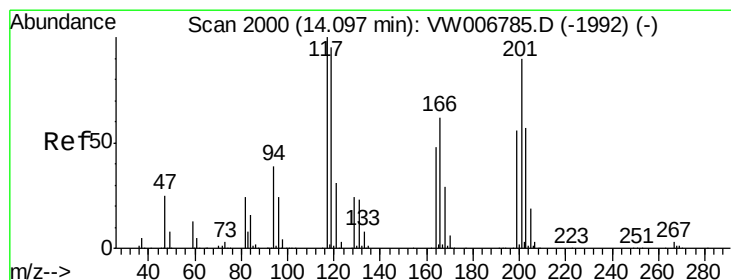
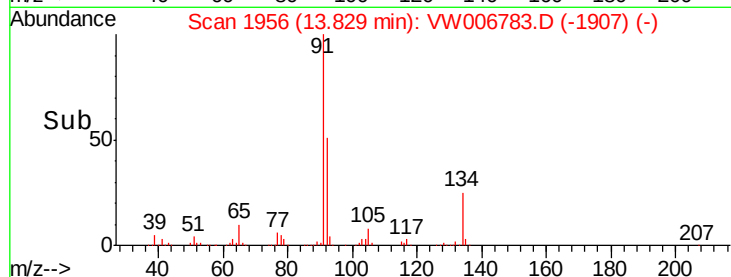
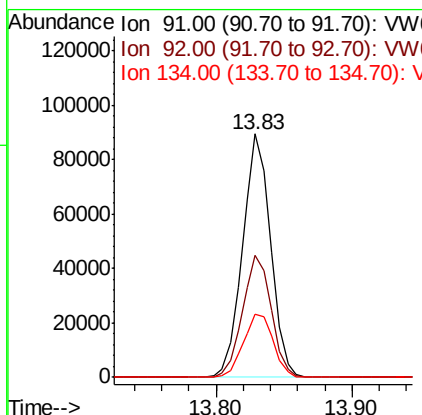
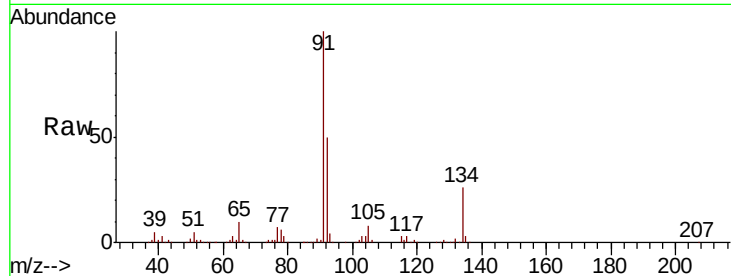
#89
n-Butylbenzene
Concen: 10.436 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		128875		
92	51.4	26.4	79.0		
134	27.5	14.3	42.9		

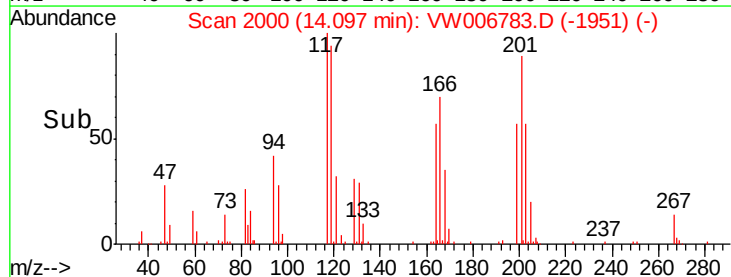
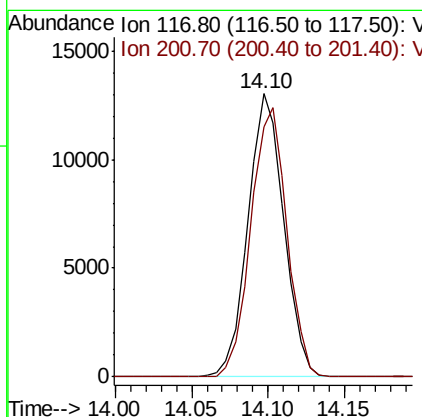
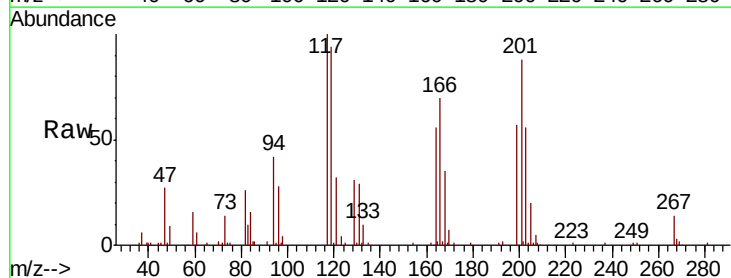
Manual Integrations
APPROVED

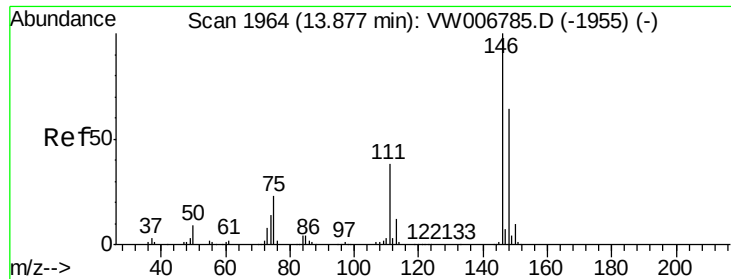
apatel
11/12/2018 3:40:30 PM



#90
Hexachloroethane
Concen: 9.279 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		21215		
201	95.2	46.8	140.3		





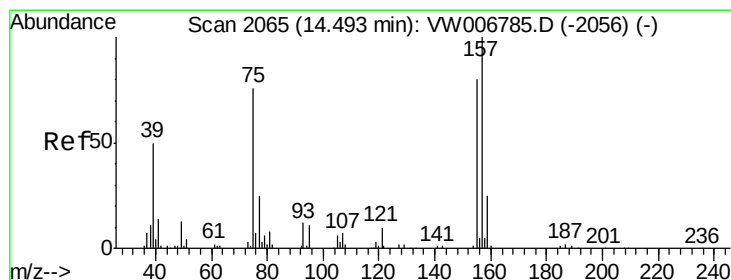
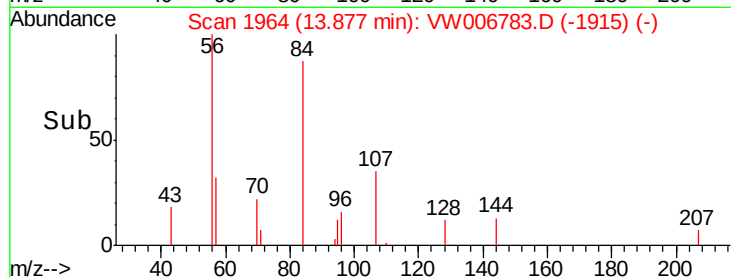
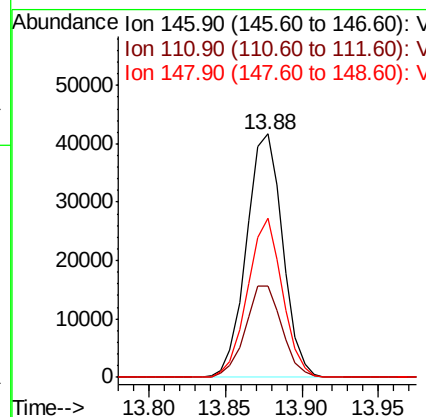
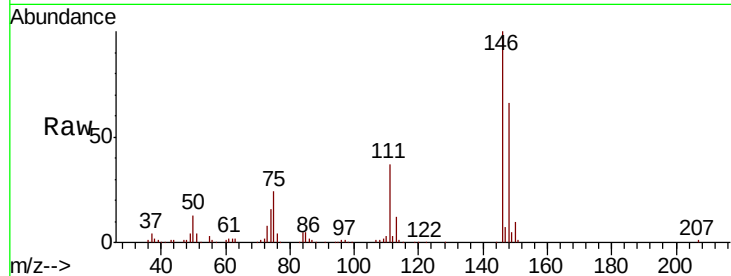
#91
 1,2-Dichlorobenzene
 Concen: 10.257 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.5
148	62.8	32.0	96.0

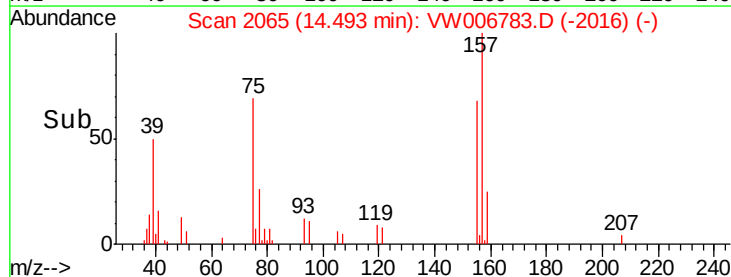
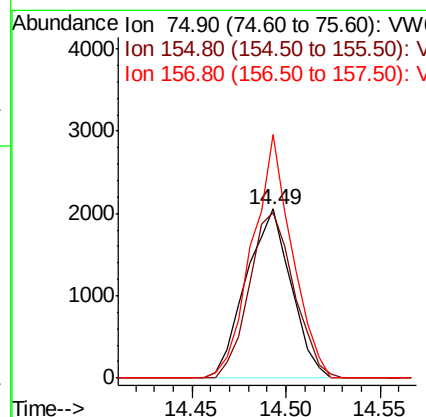
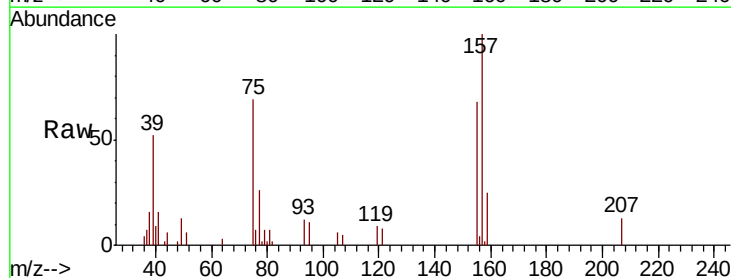
Manual Integrations
 APPROVED

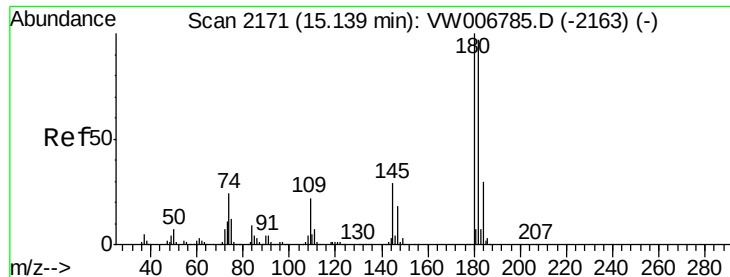
apatel
 11/12/2018 3:40:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.111 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006783.D
 Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	50.6	151.8
157	127.4	65.0	195.0





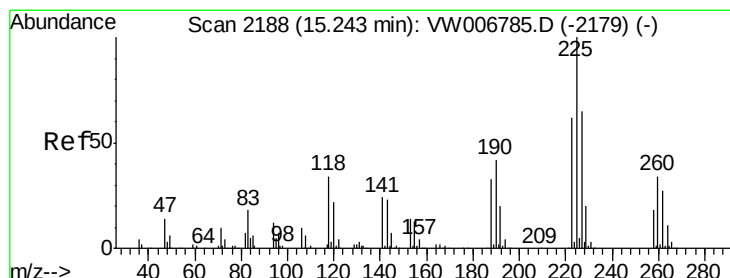
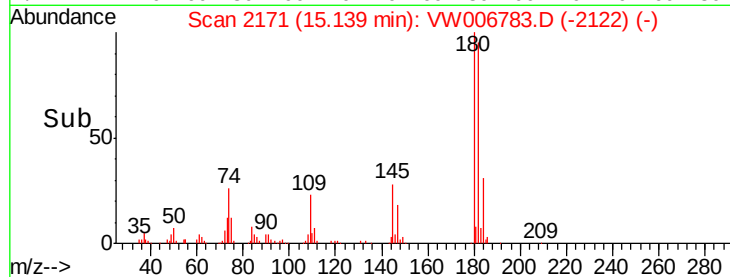
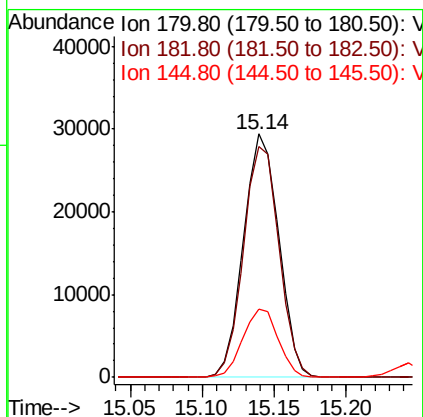
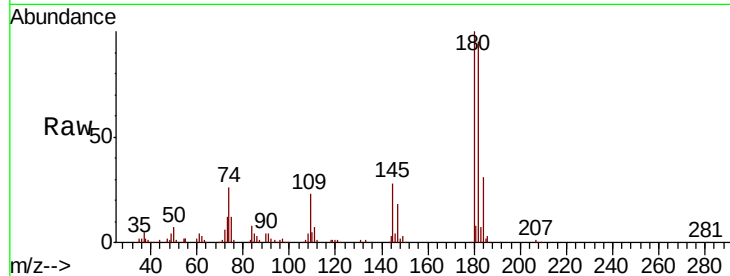
#93
1,2,4-Trichlorobenzene
Concen: 10.031 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49843		
182	95.5	47.5	142.6	
145	28.3	14.0	42.0	

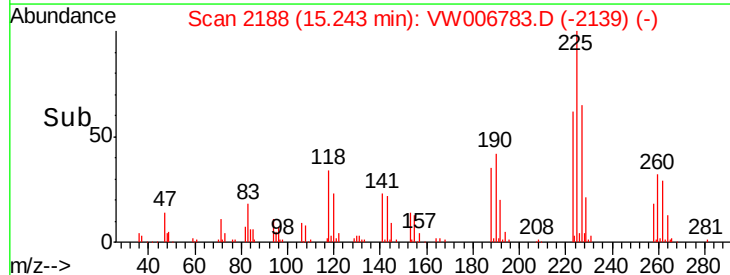
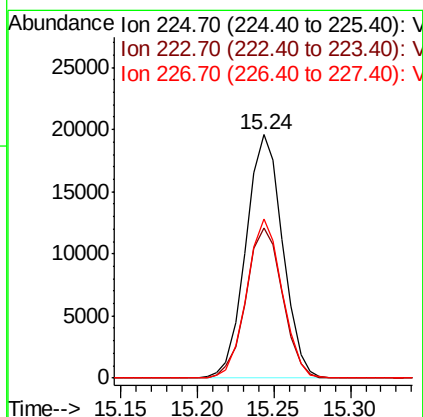
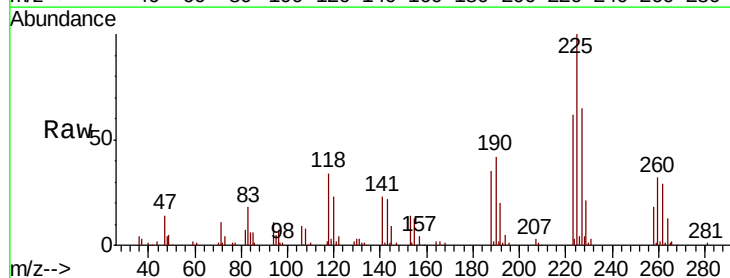
Manual Integrations
APPROVED

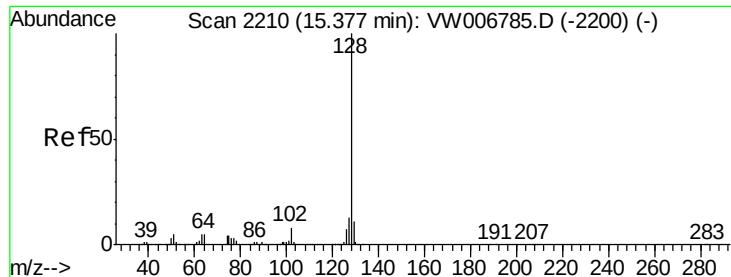
apatel
11/12/2018 3:40:30 PM



#94
Hexachlorobutadiene
Concen: 10.555 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32688		
223	61.2	31.4	94.2	
227	62.9	32.2	96.6	





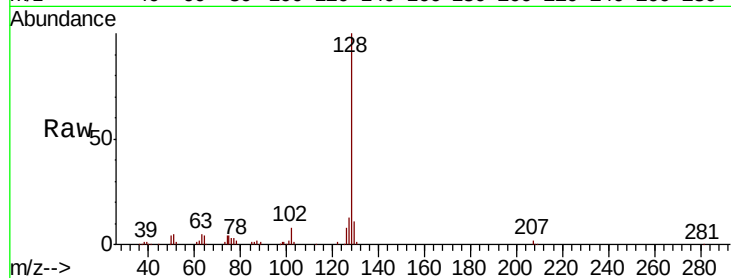
#95
Naphthalene
Concen: 8.836 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.6	8.7	13.1

Manual Integrations
APPROVED

apatel
11/12/2018 3:40:30 PM

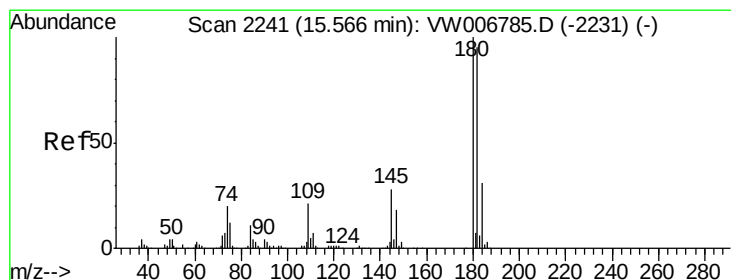
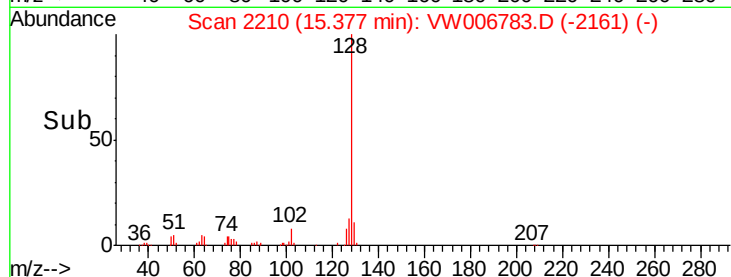
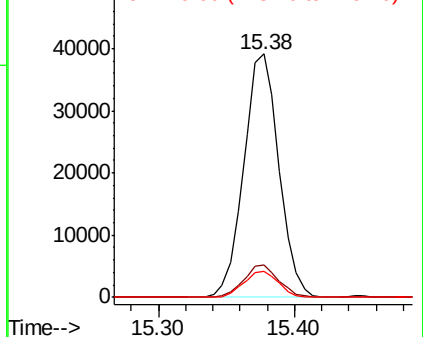


Abundance

Ion 128.00 (127.70 to 128.70): V

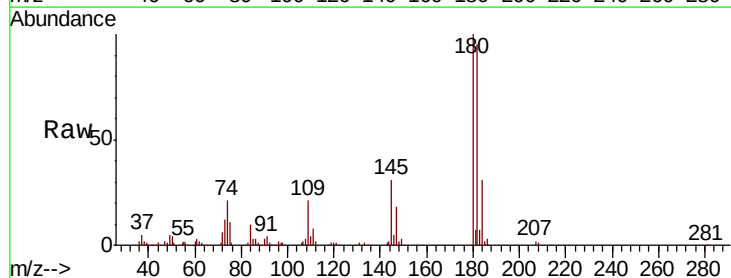
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 9.969 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006783.D
Acq: 09 Nov 2018 12:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.2	144.6
145	29.2	14.9	44.5



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

