

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
 Data File : VW006798.D
 Acq On : 09 Nov 2018 20:40
 Operator : SY/AP
 Sample : J5860-05MS
 Misc : 5.39G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Manual Integrations
 APPROVED

apatel
 11/12/2018 3:41:22 PM

Quant Time: Nov 12 05:46:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	285581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	390573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	393938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	226093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	104129	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.89	113	108690	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	10.33	98	461749	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	12.62	95	174061	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	116317	50.095	ug/l	96
3) Chloromethane	2.21	50	144394	51.801	ug/l	99
4) Vinyl Chloride	2.35	62	155094	52.924	ug/l	99
5) Bromomethane	2.78	94	113961	57.373	ug/l	100
6) Chloroethane	2.92	64	101434	52.890	ug/l	97
7) Trichlorofluoromethane	3.26	101	187955	51.046	ug/l	98
8) Diethyl Ether	3.69	74	59655	55.691	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	120857	49.398	ug/l	99
10) Methyl Iodide	4.28	142	194029	57.084	ug/l	99
11) Tert butyl alcohol	5.21	59	37369	271.272	ug/l	100
12) 1,1-Dichloroethene	4.04	96	105829	51.875	ug/l	99
13) Acrolein	3.90	56	31801	221.657	ug/l	99
14) Allyl chloride	4.68	41	145676	52.971	ug/l	99
15) Acrylonitrile	5.38	53	125010	291.560	ug/l	99
16) Acetone	4.15	43	98173	324.040	ug/l	96
17) Carbon Disulfide	4.39	76	366073	54.397	ug/l	100
18) Methyl Acetate	4.68	43	68918	64.824	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	286150	57.267	ug/l	98
20) Methylene Chloride	4.92	84	161715	67.082	ug/l	95
21) trans-1,2-Dichloroethene	5.43	96	126770	51.950	ug/l	97
22) Diisopropyl ether	6.32	45	324134	55.927	ug/l	98
23) Vinyl Acetate	6.26	43	764616	231.319	ug/l	100
24) 1,1-Dichloroethane	6.22	63	200901	52.989	ug/l	97
25) 2-Butanone	7.18	43	146773	293.412	ug/l	100
26) 2,2-Dichloropropane	7.17	77	178575	49.436	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	139261	53.261	ug/l	99
28) Bromochloromethane	7.52	49	73990	52.104	ug/l	99
29) Tetrahydrofuran	7.54	42	95291	290.643	ug/l	100
30) Chloroform	7.68	83	223016	53.087	ug/l	99
31) Cyclohexane	7.96	56	189738	48.592	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	204432	51.275	ug/l	99
36) 1,1-Dichloropropene	8.09	75	177591	50.109	ug/l	99
37) Ethyl Acetate	7.26	43	67259	53.439	ug/l	100
38) Carbon Tetrachloride	8.07	117	188539	49.790	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
 Data File : VW006798.D
 Acq On : 09 Nov 2018 20:40
 Operator : SY/AP
 Sample : J5860-05MS
 Misc : 5.39G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Manual Integrations
 APPROVED

apatel
 11/12/2018 3:41:22 PM

Quant Time: Nov 12 05:46:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	224578	49.769	ug/l	96
40) Benzene	8.33	78	525142	52.473	ug/l	98
41) Methacrylonitrile	7.49	41	42345	57.991	ug/l	90
42) 1,2-Dichloroethane	8.40	62	144705	53.120	ug/l	100
43) Isopropyl Acetate	8.43	43	131568	55.761	ug/l	100
44) Trichloroethene	9.10	130	155485	50.531	ug/l	96
45) 1,2-Dichloropropane	9.37	63	124044	52.775	ug/l	99
46) Dibromomethane	9.46	93	71613	54.268	ug/l	99
47) Bromodichloromethane	9.65	83	168568	52.642	ug/l	98
48) Methyl methacrylate	9.44	41	67300	60.563	ug/l	98
49) 1,4-Dioxane	9.48	88	22331	1130.334	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	356834	294.361	ug/l	99
52) Toluene	10.39	92	390519	55.502	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	173371	55.836	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	200041	54.339	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	107240	55.164	ug/l	99
56) Ethyl methacrylate	10.65	69	124993	58.225	ug/l	96
57) 1,3-Dichloropropane	10.93	76	169507	54.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	297508	278.282	ug/l	100
59) 2-Hexanone	10.98	43	252756	307.661	ug/l	100
60) Dibromochloromethane	11.13	129	130070	55.662	ug/l	100
61) 1,2-Dibromoethane	11.24	107	104022	55.617	ug/l	98
64) Tetrachloroethene	10.87	164	151930	50.504	ug/l	99
65) Chlorobenzene	11.66	112	442388	52.758	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	143178	53.302	ug/l	100
67) Ethyl Benzene	11.74	91	750258	53.186	ug/l	100
68) m/p-Xylenes	11.84	106	610872	106.169	ug/l	100
69) o-Xylene	12.17	106	287749	54.322	ug/l	100
70) Styrene	12.18	104	476451	55.337	ug/l	100
71) Bromoform	12.35	173	83760	56.292	ug/l	100
73) Isopropylbenzene	12.47	105	770414	52.961	ug/l	99
74) N-amyl acetate	12.28	43	132050	55.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	122444	56.498	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	75497m	45.789	ug/l	
77) Bromobenzene	12.75	156	204490	54.366	ug/l	100
78) n-propylbenzene	12.81	91	894023	51.723	ug/l	100
79) 2-Chlorotoluene	12.90	91	510235	52.401	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	662305	52.547	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34916	56.305	ug/l	98
82) 4-Chlorotoluene	12.99	91	546132	52.479	ug/l	100
83) tert-Butylbenzene	13.21	119	578278	53.097	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	683456	52.926	ug/l	99
85) sec-Butylbenzene	13.39	105	809464	51.931	ug/l	100
86) p-Isopropyltoluene	13.51	119	741446	52.149	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	398330	52.126	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	393260	51.670	ug/l	100
89) n-Butylbenzene	13.83	91	654864	49.904	ug/l	99
90) Hexachloroethane	14.10	117	119656	53.645	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	358891	53.685	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	19939	56.977	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110918\
Data File : VW006798.D
Acq On : 09 Nov 2018 20:40
Operator : SY/AP
Sample : J5860-05MS
Misc : 5.39G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

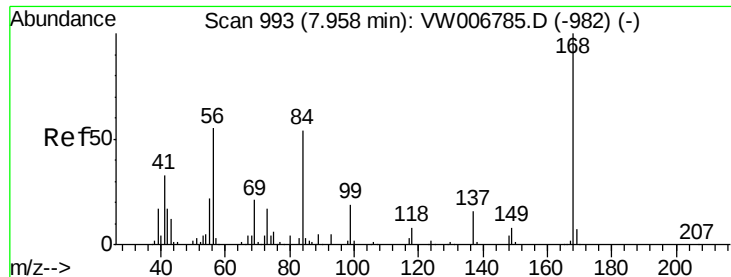
Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM

Quant Time: Nov 12 05:46:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110918S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	258028	52.140	ug/l	99
94) Hexachlorobutadiene	15.24	225	150148	48.210	ug/l	99
95) Naphthalene	15.38	128	446686	58.990	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	230968	53.953	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:168 Resp: 285581

Ion Ratio Lower Upper

168 100

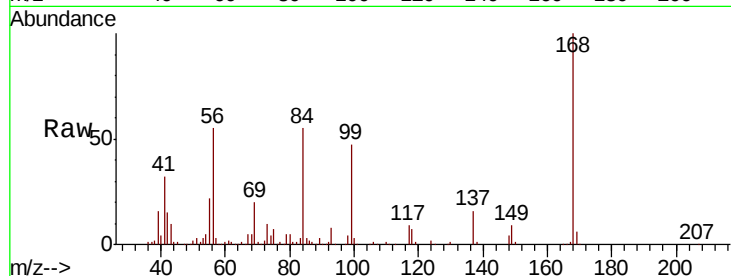
99 46.8 36.8 55.2

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

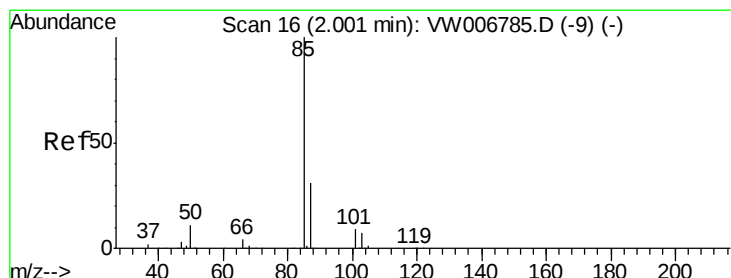
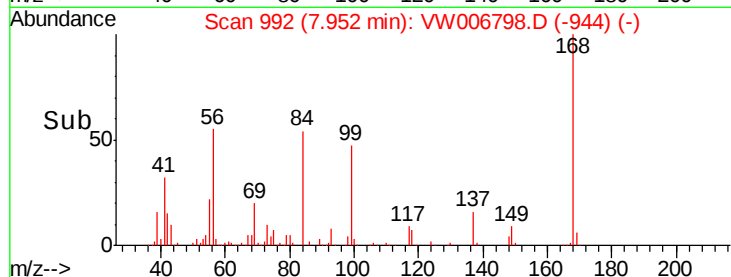
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 50.095 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006798.D

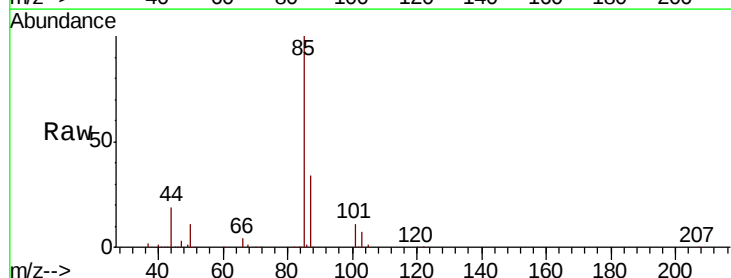
Acq: 09 Nov 2018 20:40

Tgt Ion: 85 Resp: 116317

Ion Ratio Lower Upper

85 100

87 33.8 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

80000

2.00

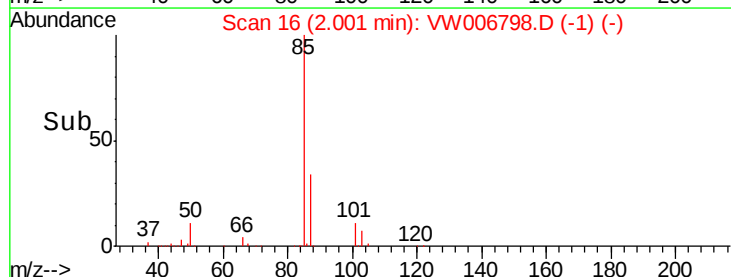
60000

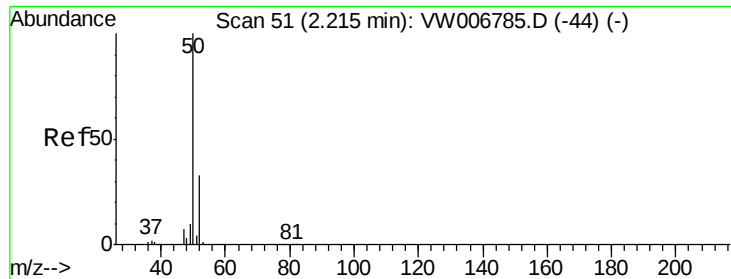
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 51.801 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 50 Resp: 144394

Ion Ratio Lower Upper

50 100

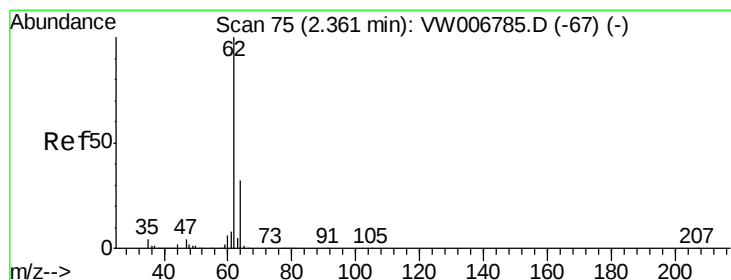
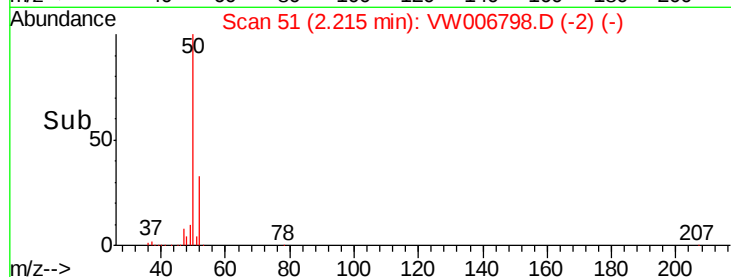
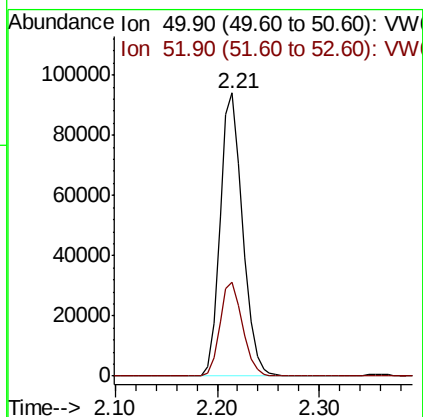
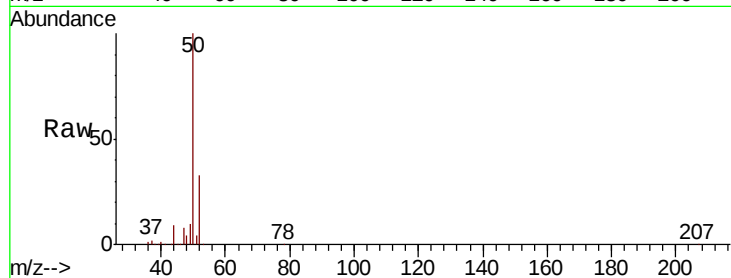
52 33.2 26.2 39.4

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#4

Vinyl Chloride

Concen: 52.924 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW006798.D

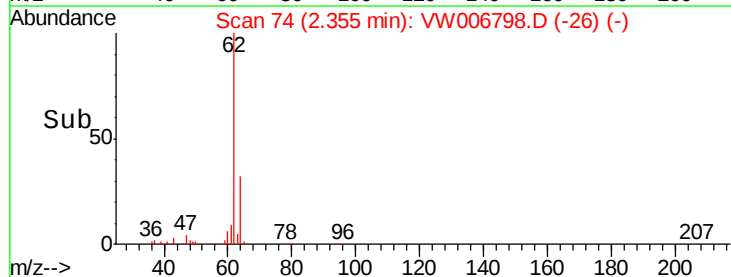
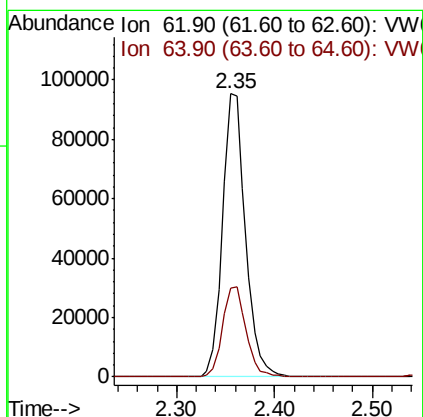
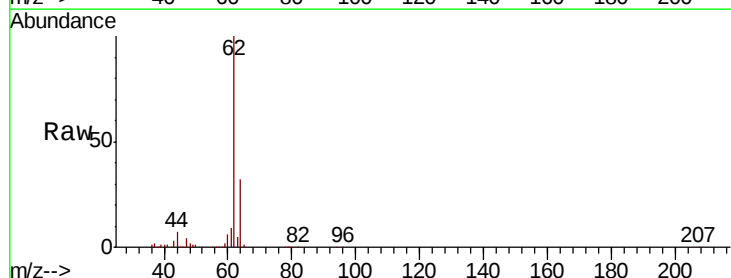
Acq: 09 Nov 2018 20:40

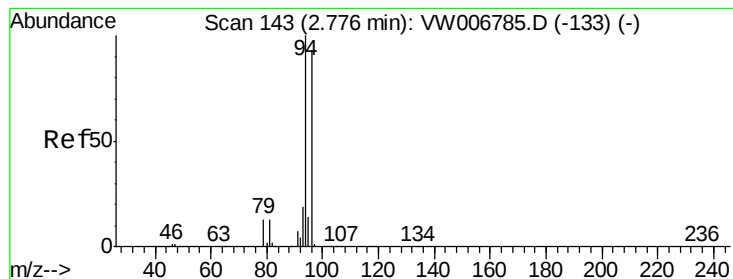
Tgt Ion: 62 Resp: 155094

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6





#5

Bromomethane

Concen: 57.373 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 94 Resp: 113961

Ion Ratio Lower Upper

94 100

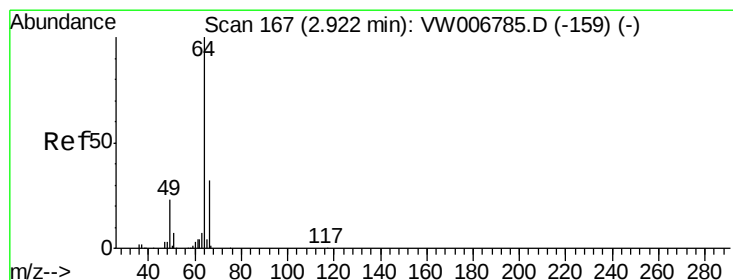
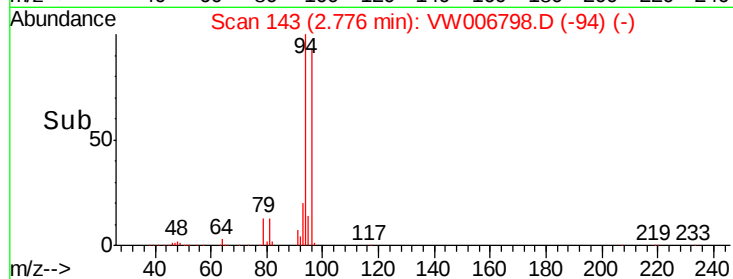
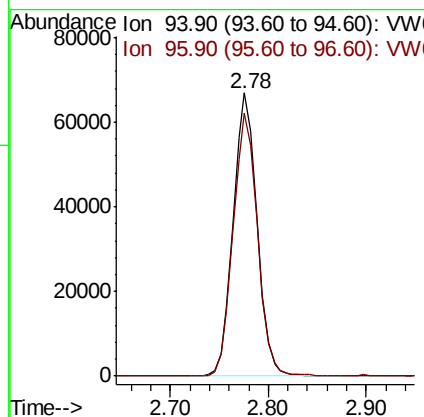
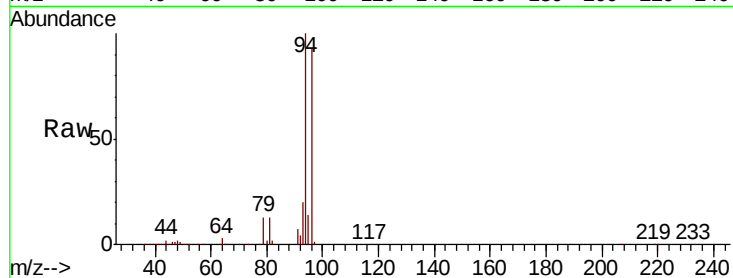
96 92.9 74.5 111.7

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#6

Chloroethane

Concen: 52.890 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006798.D

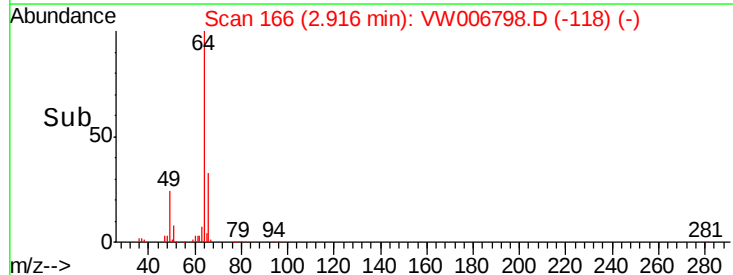
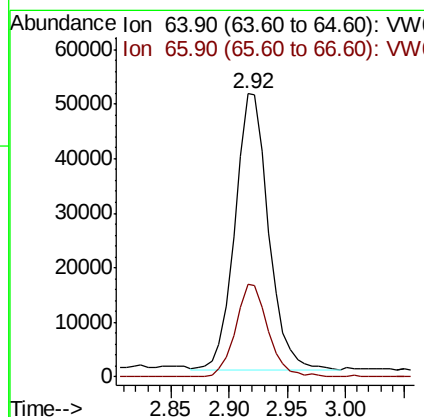
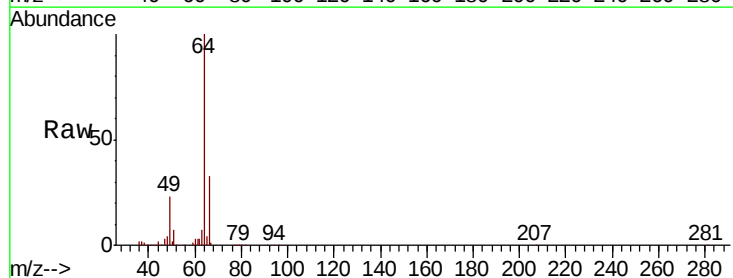
Acq: 09 Nov 2018 20:40

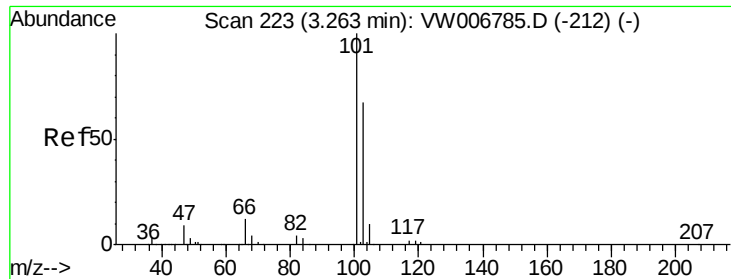
Tgt Ion: 64 Resp: 101434

Ion Ratio Lower Upper

64 100

66 33.3 25.4 38.2





#7

Trichlorofluoromethane

Concen: 51.046 ug/l

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:101 Resp: 187955

Ion Ratio Lower Upper

101 100

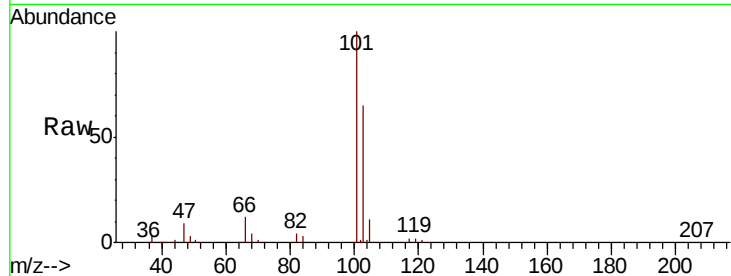
103 65.2 53.4 80.0

Manual Integrations

APPROVED

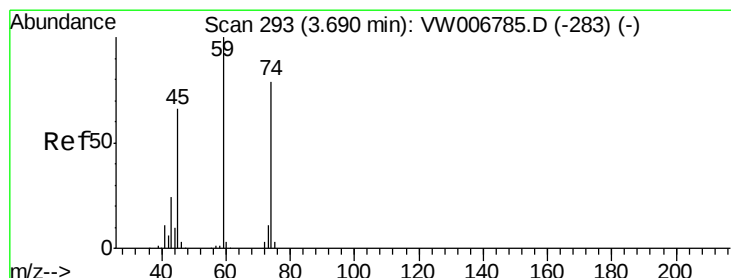
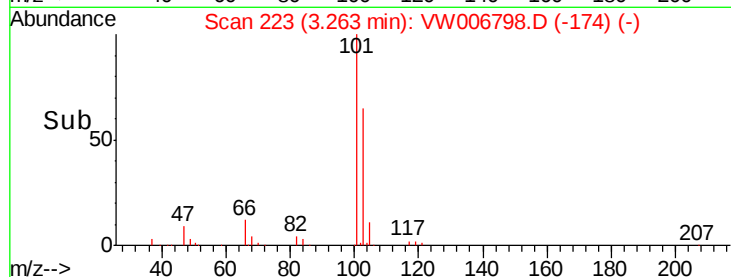
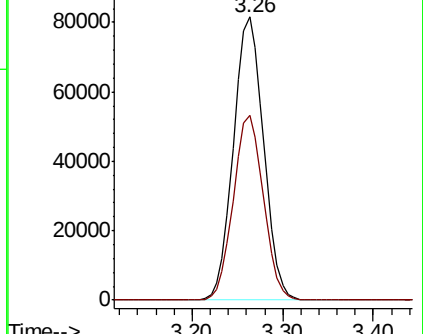
apatel

11/12/2018 3:41:22 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 55.691 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.00 min

Lab File: VW006798.D

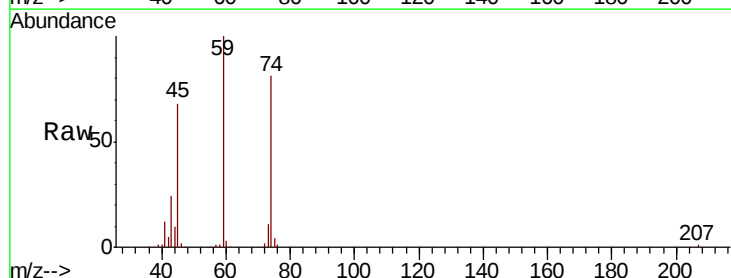
Acq: 09 Nov 2018 20:40

Tgt Ion: 74 Resp: 59655

Ion Ratio Lower Upper

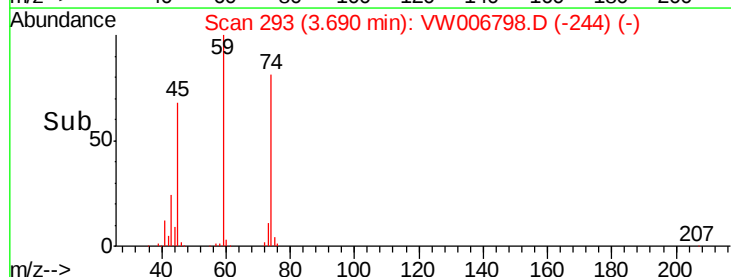
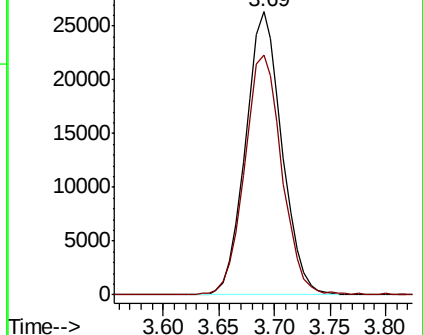
74 100

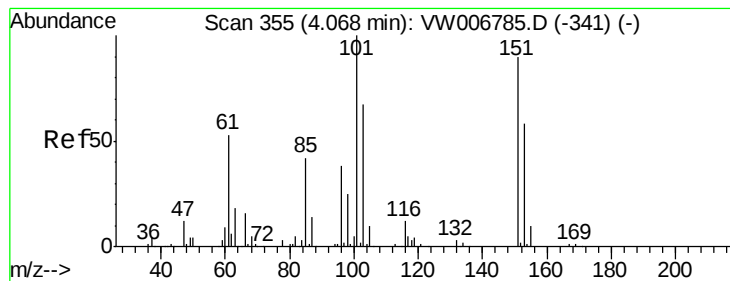
45 87.3 44.0 132.1



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.398 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

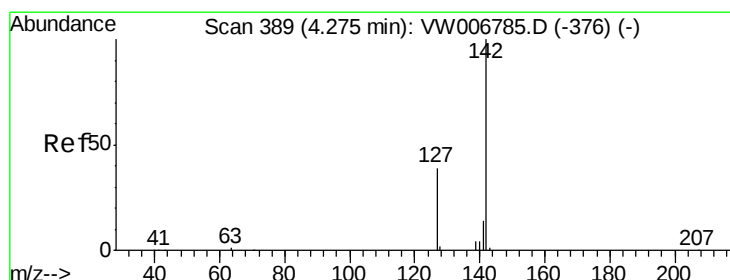
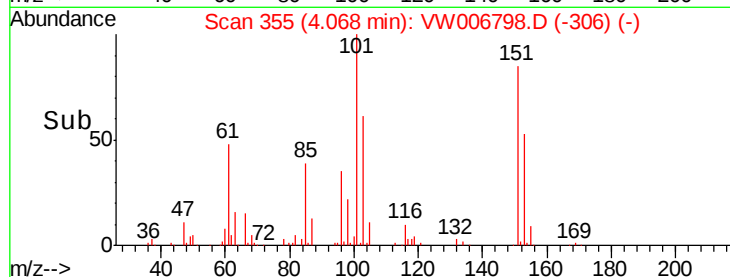
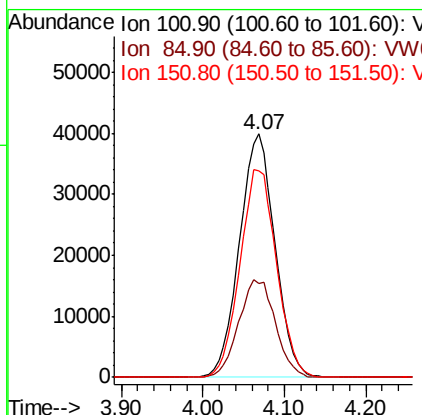
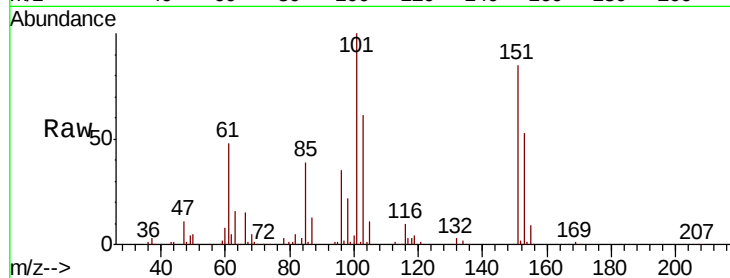
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	101	Resp:	120857
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.0	51.0
151	87.8	70.7	106.1

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#10

Methyl Iodide

Concen: 57.084 ug/l

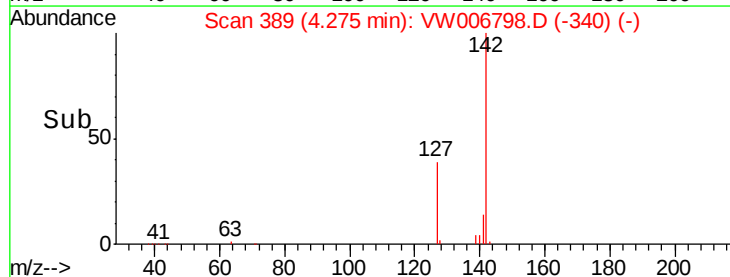
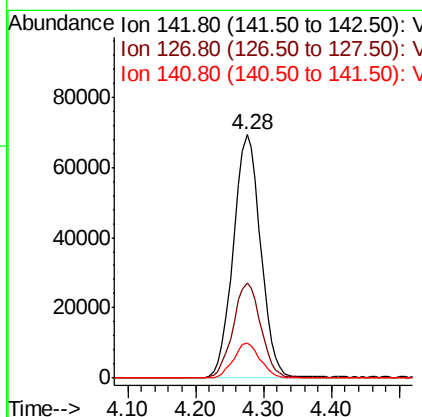
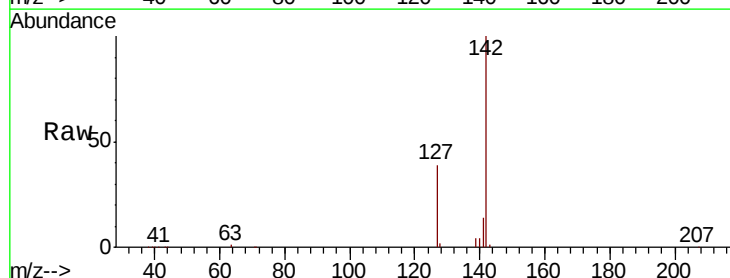
RT: 4.28 min Scan# 389

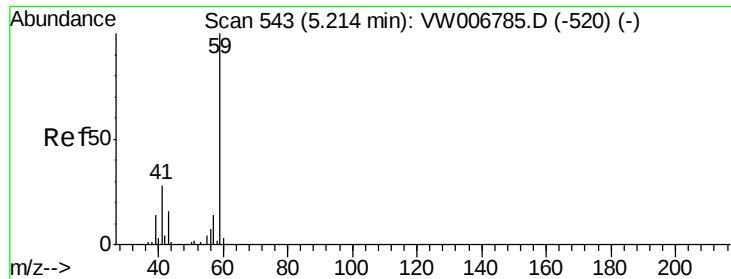
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	142	Resp:	194029
Ion Ratio	Lower	Upper	
142	100		
127	39.7	32.3	48.5
141	14.2	11.4	17.0





#11

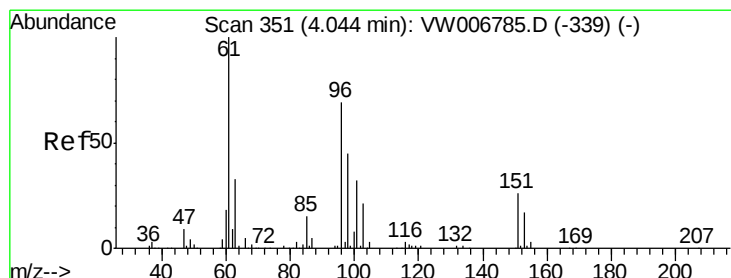
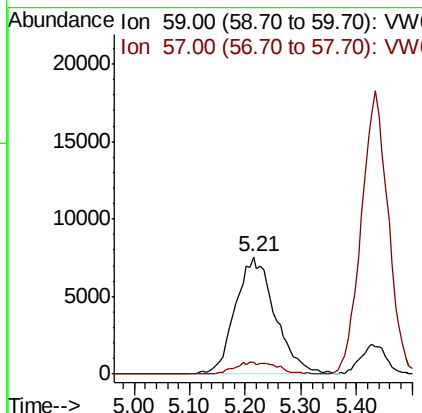
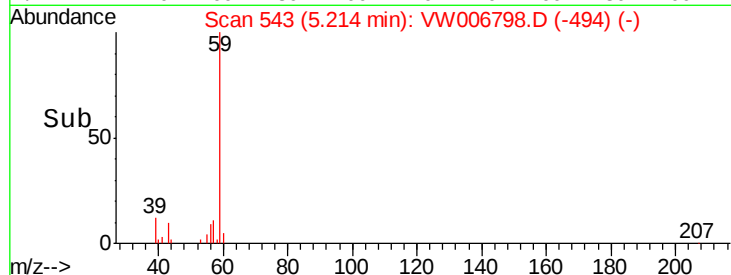
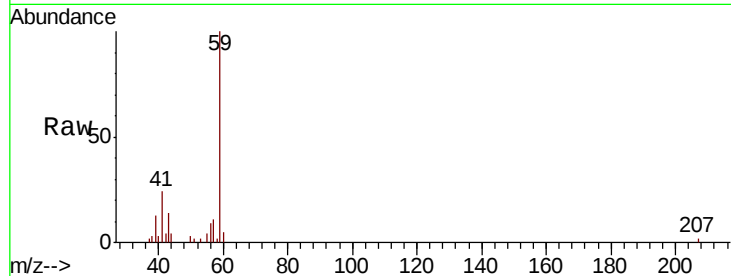
Tert butyl alcohol
 Concen: 271.272 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	59	57	Ratio	100	11.0	Resp	37369	Lower	8.7	Upper	13.1
Ion	59	57	Ratio	100	11.0	Resp	37369	Lower	8.7	Upper	13.1

Manual Integrations
 APPROVED

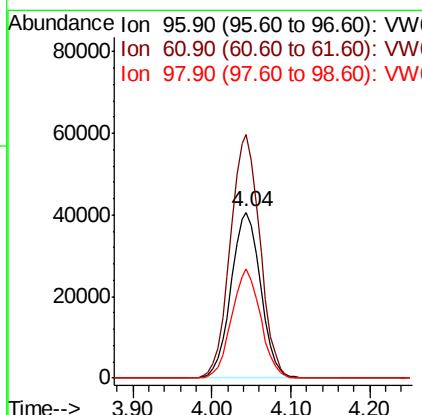
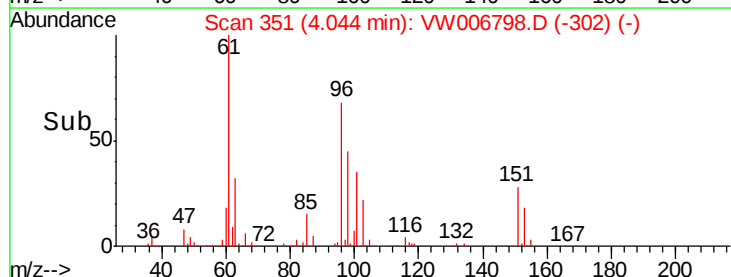
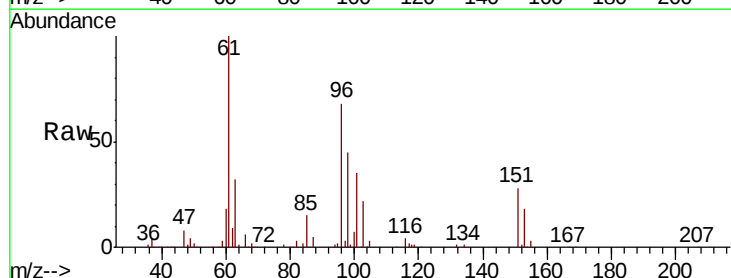
apatel
 11/12/2018 3:41:22 PM

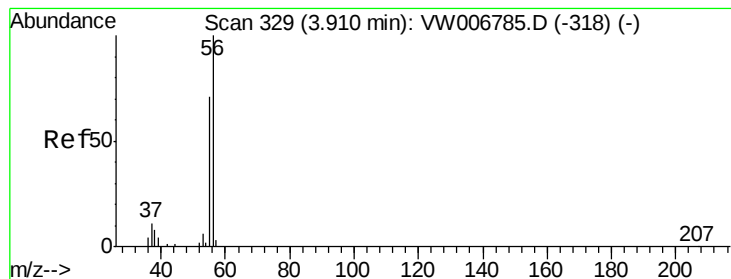


#12

1,1-Dichloroethene
 Concen: 51.875 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	96	61	98	Ratio	100	146.9	65.9	Resp	105829	Lower	116.0	52.0	Upper	174.0	78.0
Ion	96	61	98	Ratio	100	146.9	65.9	Resp	105829	Lower	116.0	52.0	Upper	174.0	78.0





#13

Acrolein

Concen: 221.657 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.01 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 56 Resp: 31801

Ion Ratio Lower Upper

56 100

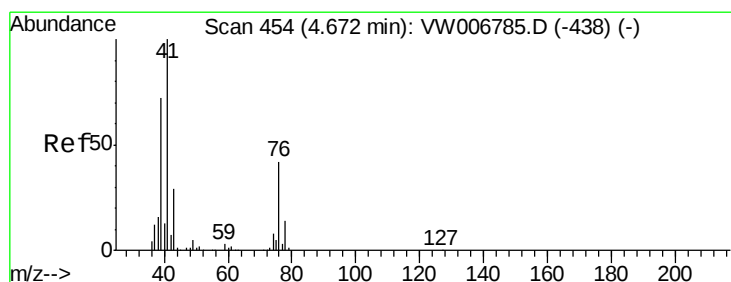
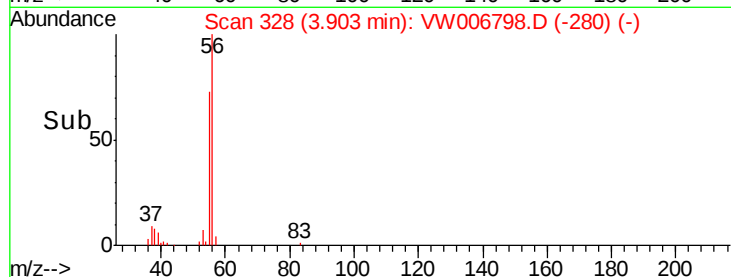
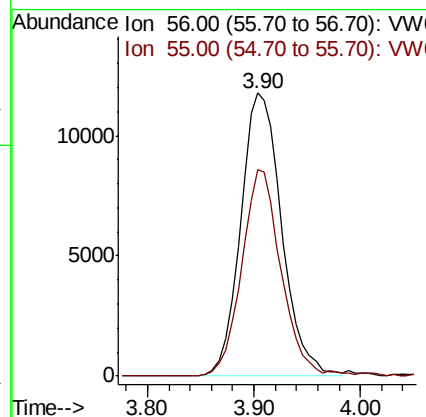
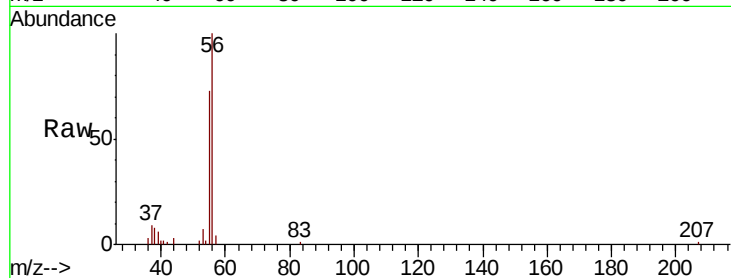
55 70.1 56.9 85.3

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#14

Allyl chloride

Concen: 52.971 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

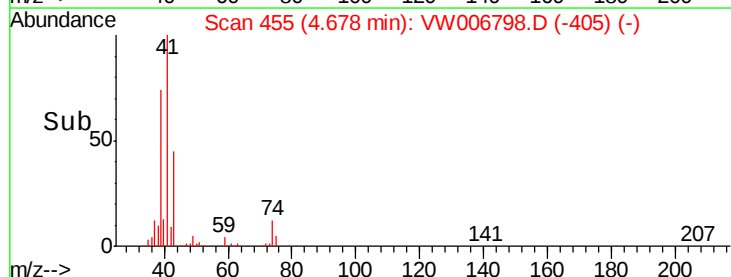
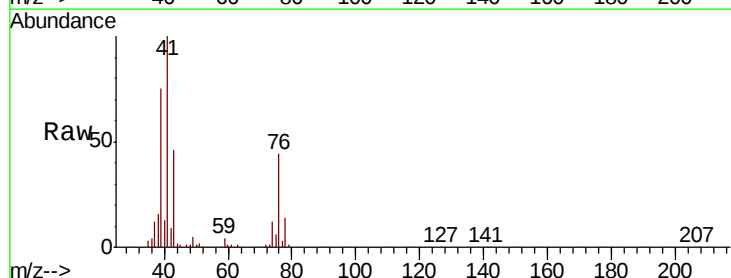
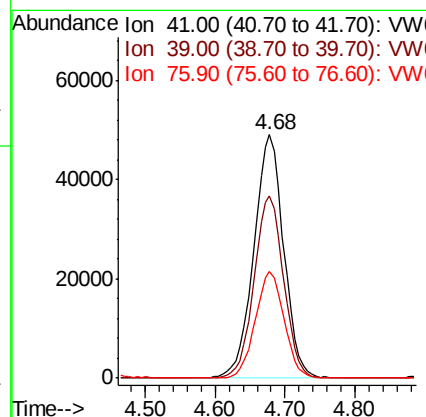
Tgt Ion: 41 Resp: 145676

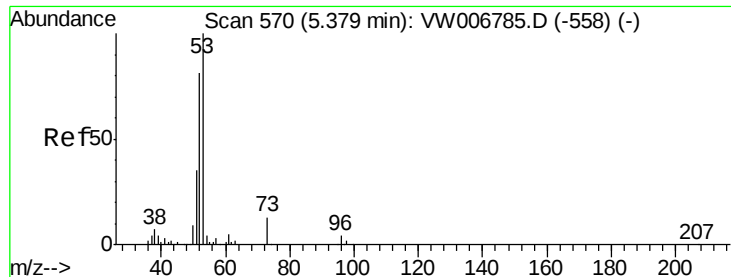
Ion Ratio Lower Upper

41 100

39 73.9 60.0 90.0

76 42.1 34.2 51.4





#15

Acrylonitrile

Concen: 291.560 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

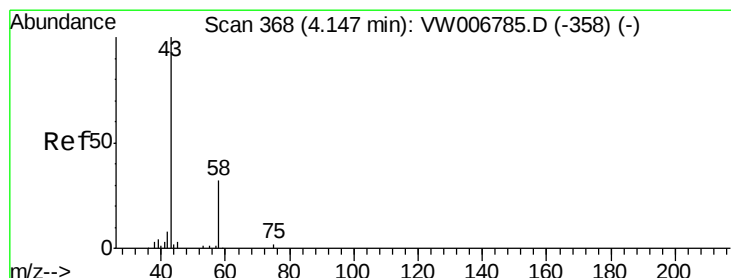
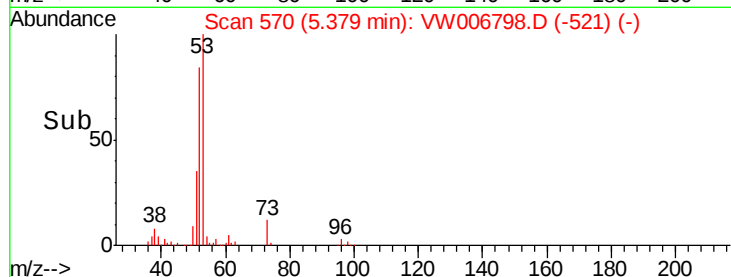
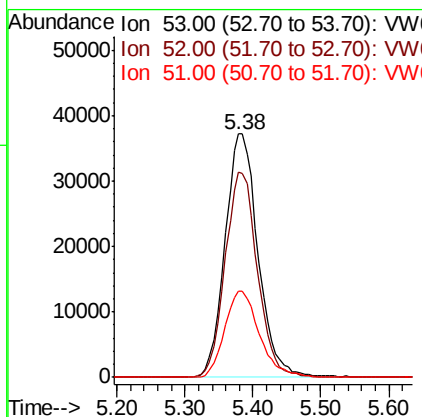
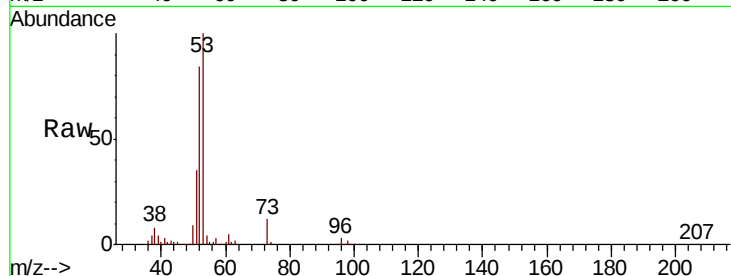
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	53	Resp:	125010
Ion Ratio	Lower	Upper	
53	100		
52	82.5	65.2	97.8
51	37.5	30.2	45.4

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#16

Acetone

Concen: 324.040 ug/l

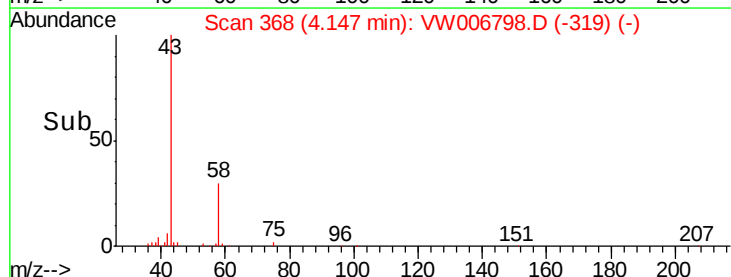
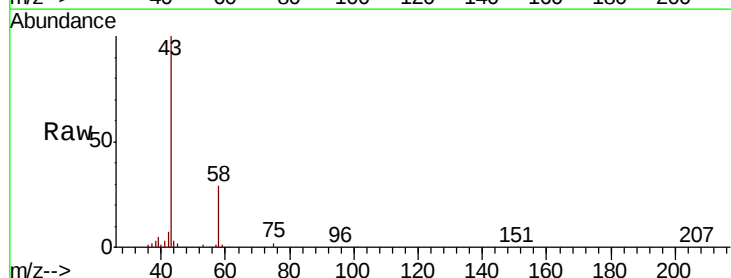
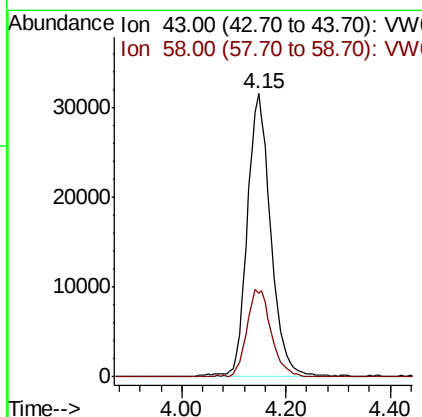
RT: 4.15 min Scan# 368

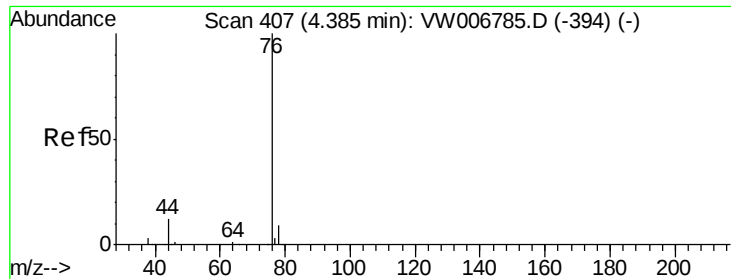
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	43	Resp:	98173
Ion Ratio	Lower	Upper	
43	100		
58	29.3	25.4	38.0





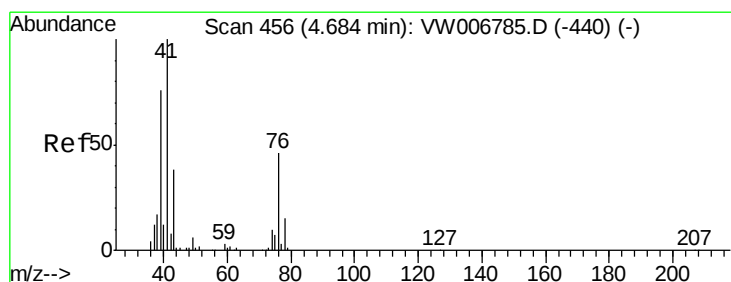
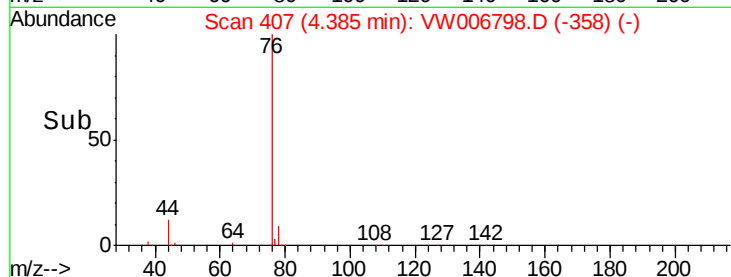
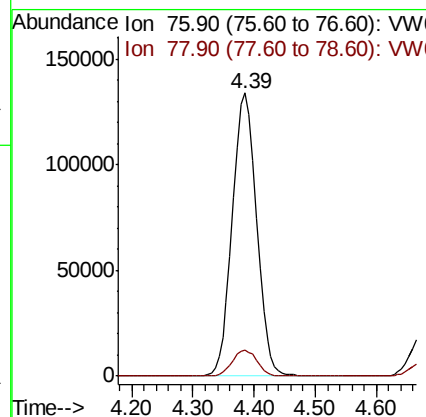
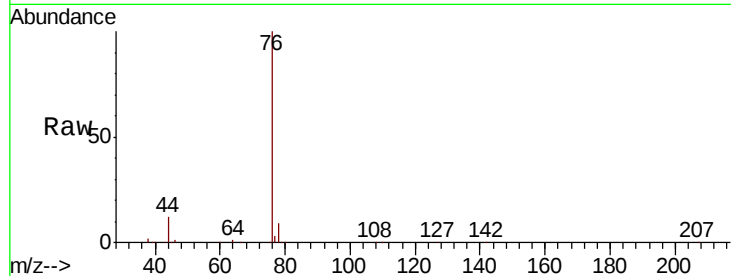
#17
Carbon Disulfide
Concen: 54.397 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

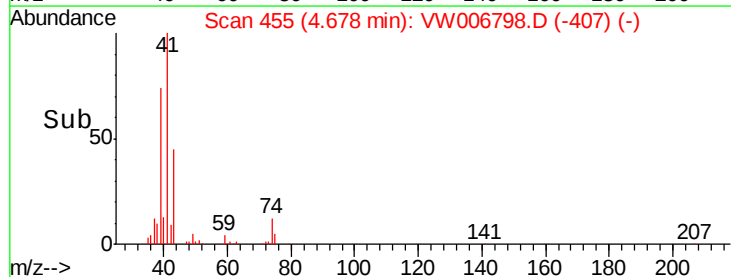
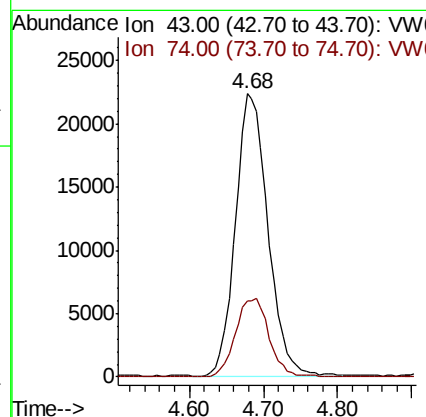
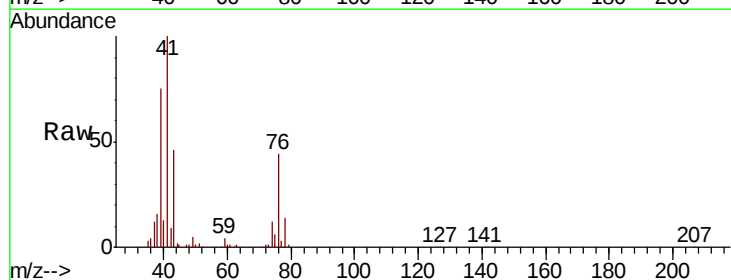
Manual Integrations
APPROVED

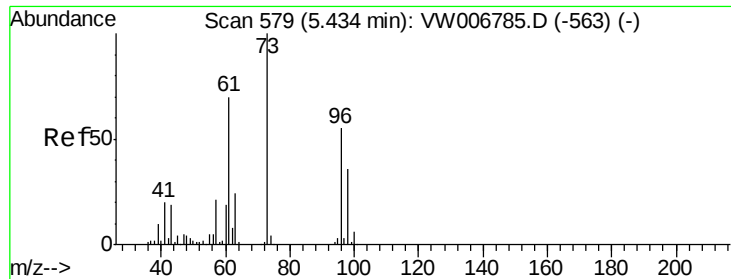
apatel
11/12/2018 3:41:22 PM



#18
Methyl Acetate
Concen: 64.824 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.8	32.8





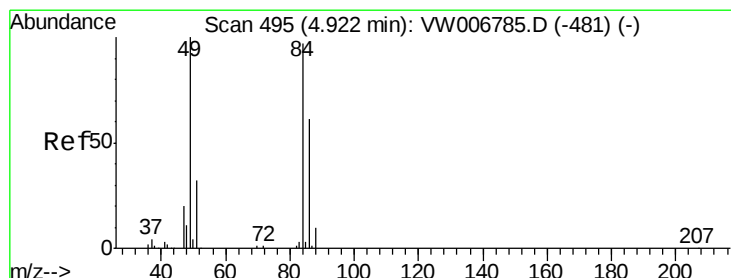
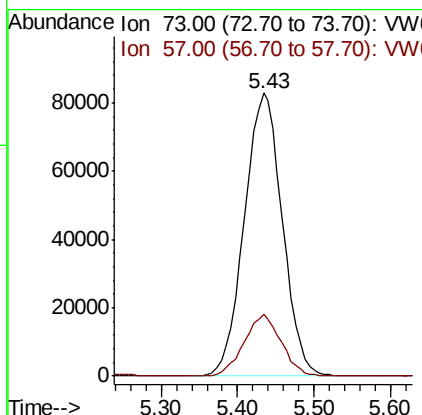
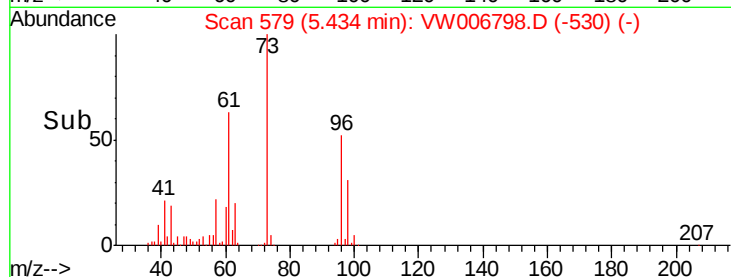
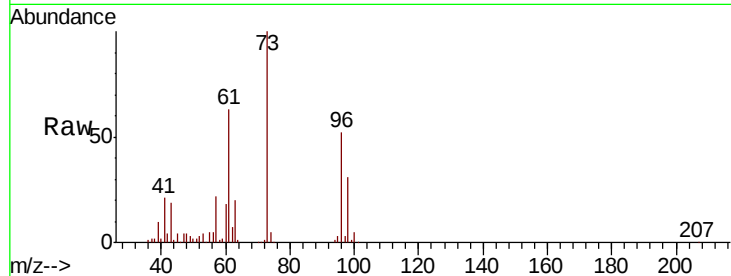
#19
Methvl tert-butvl Ether
Concen: 57.267 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion: 73 Resp: 286150
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6

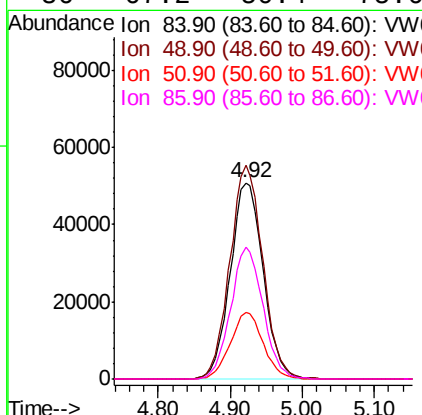
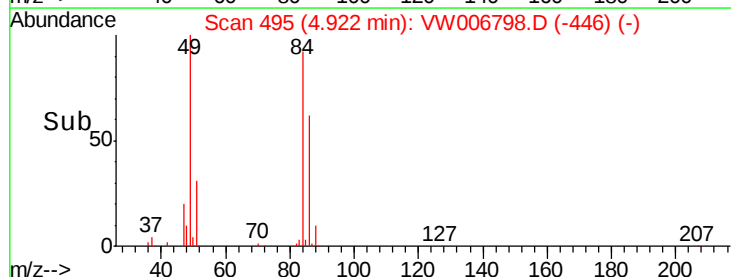
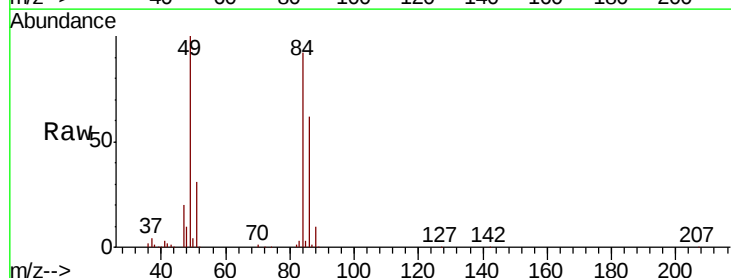
Manual Integrations
APPROVED

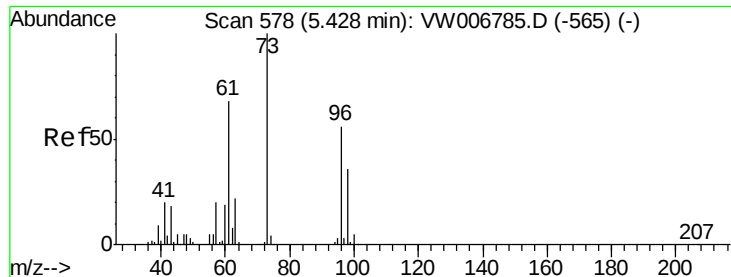
apatel
11/12/2018 3:41:22 PM



#20
Methylene Chloride
Concen: 67.082 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion: 84 Resp: 161715
Ion Ratio Lower Upper
84 100
49 109.1 82.4 123.6
51 33.8 26.7 40.1
86 67.2 50.4 75.6





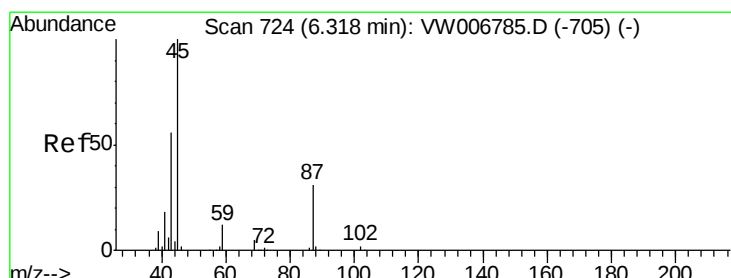
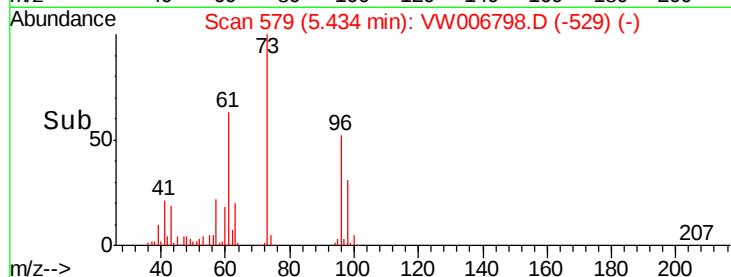
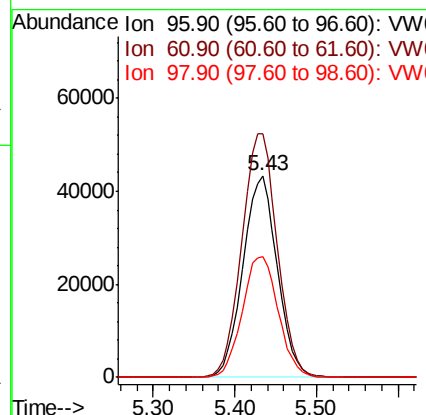
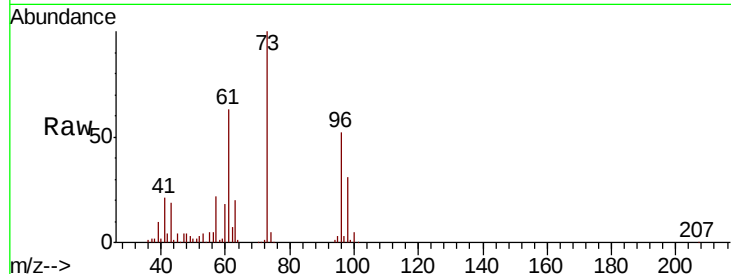
#21
trans-1,2-Dichloroethene
Concen: 51.950 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.6	97.6	146.4
98	59.9	51.6	77.4

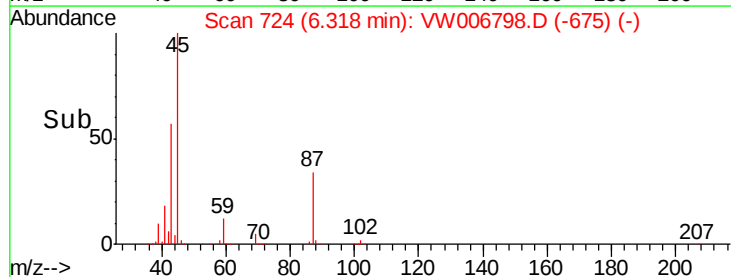
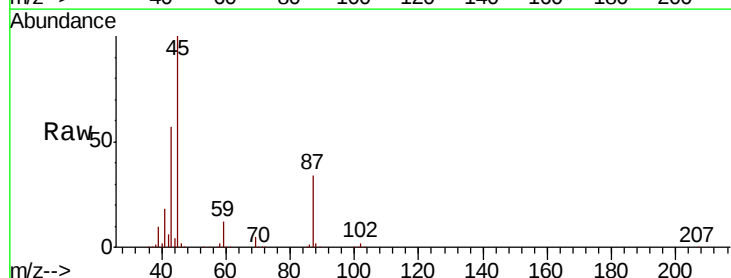
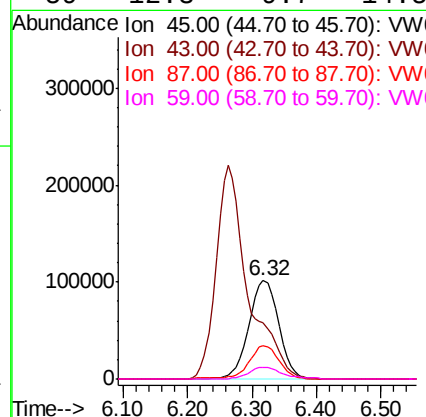
Manual Integrations
APPROVED

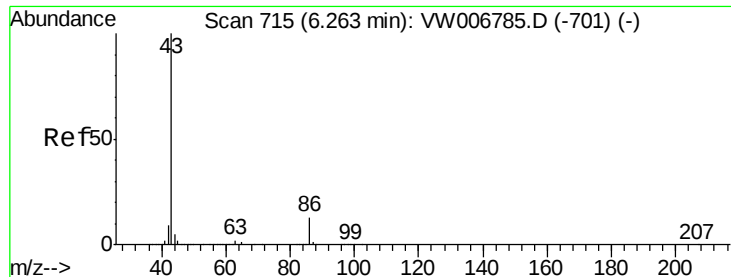
apatel
11/12/2018 3:41:22 PM



#22
Diisopropyl ether
Concen: 55.927 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.6	66.8
87	33.8	25.5	38.3
59	12.3	9.7	14.5





#23

Vinyl Acetate

Concen: 231.319 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 43 Resp: 764616

Ion Ratio Lower Upper

43 100

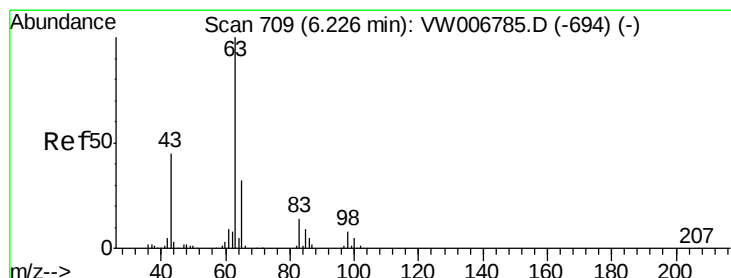
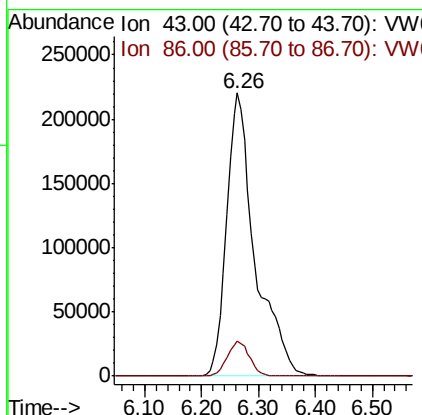
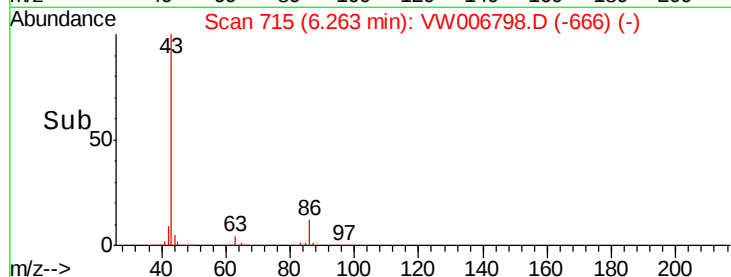
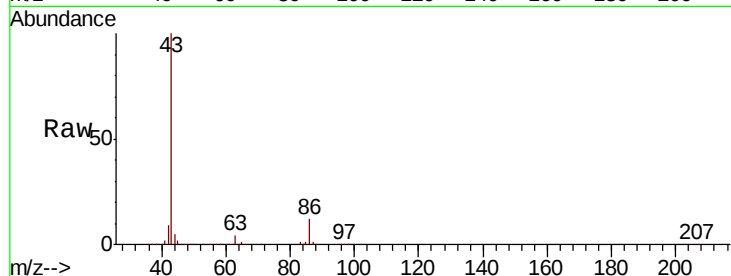
86 12.5 10.0 15.0

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#24

1,1-Dichloroethane

Concen: 52.989 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

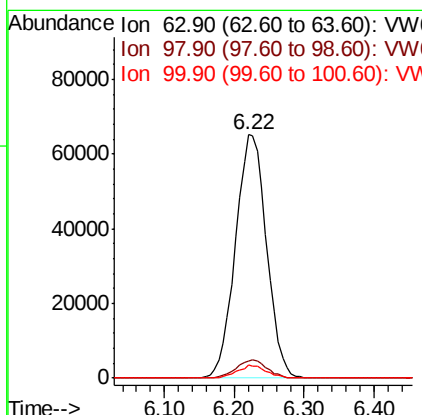
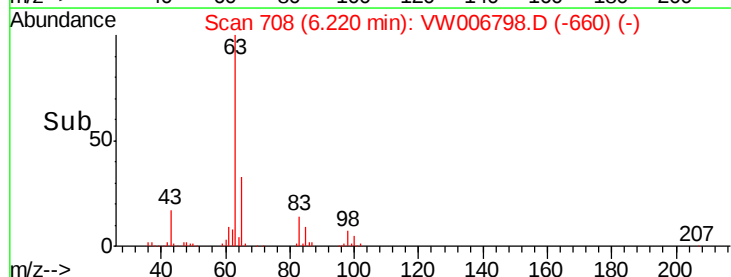
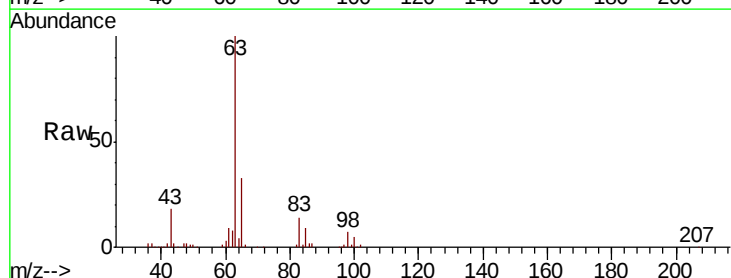
Tgt Ion: 63 Resp: 200901

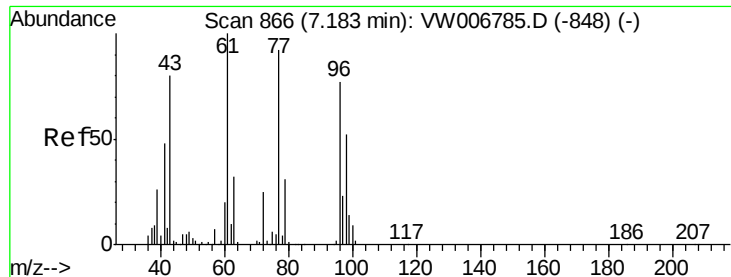
Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.2

100 5.3 2.3 6.9





#25

2-Butanone

Concen: 293.412 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 43 Resp: 146773

Ion Ratio Lower Upper

43 100

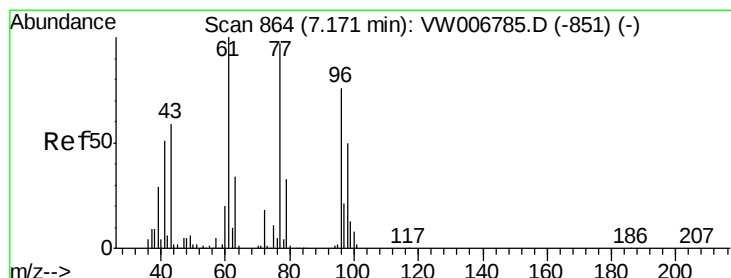
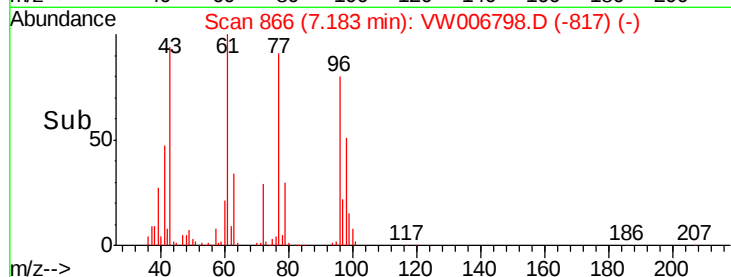
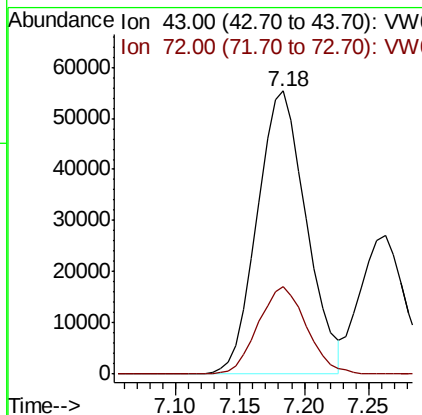
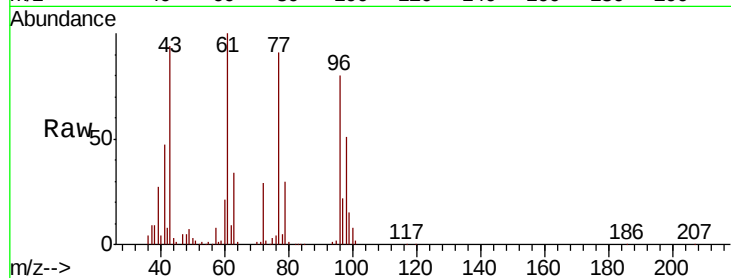
72 30.8 24.5 36.7

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#26

2,2-Dichloropropane

Concen: 49.436 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006798.D

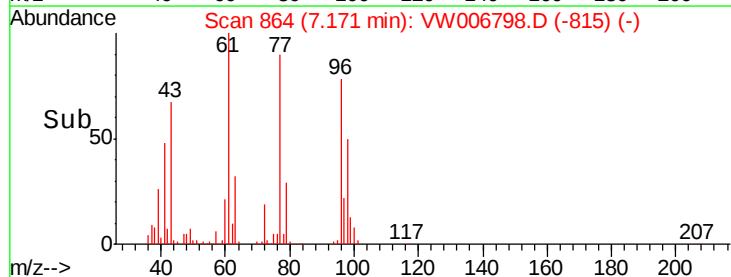
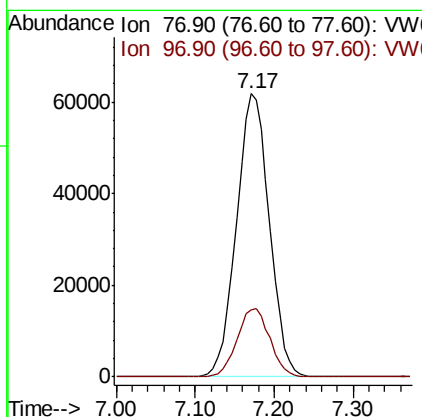
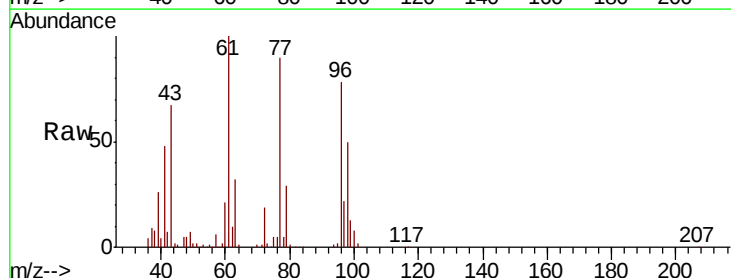
Acq: 09 Nov 2018 20:40

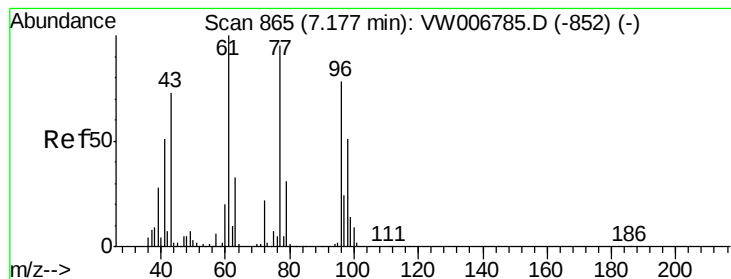
Tgt Ion: 77 Resp: 178575

Ion Ratio Lower Upper

77 100

97 24.0 11.9 35.5





#27

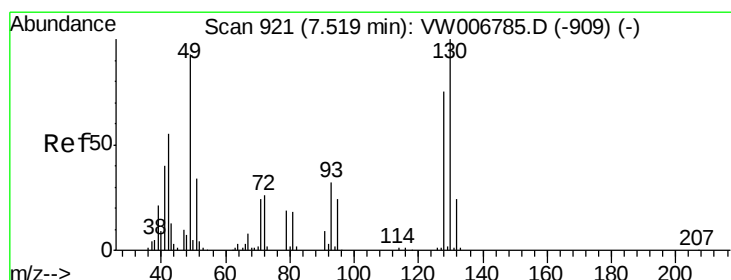
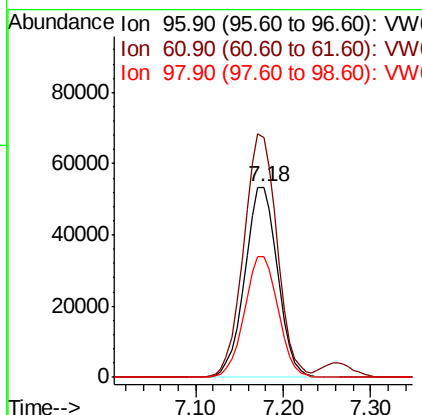
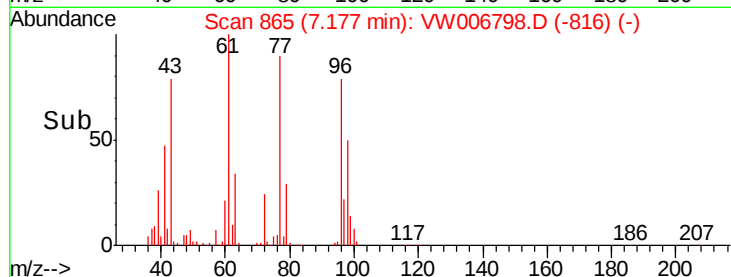
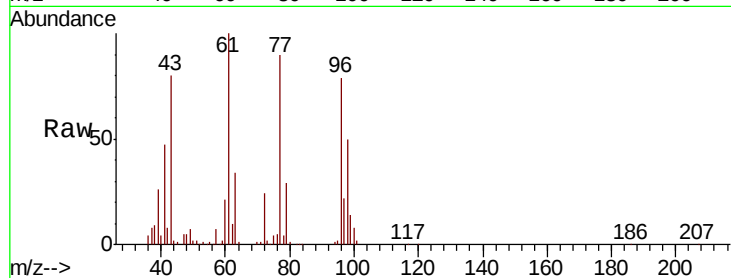
cis-1,2-Dichloroethene
Concen: 53.261 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	264.4
98	65.2	0.0	130.0

Manual Integrations
APPROVED

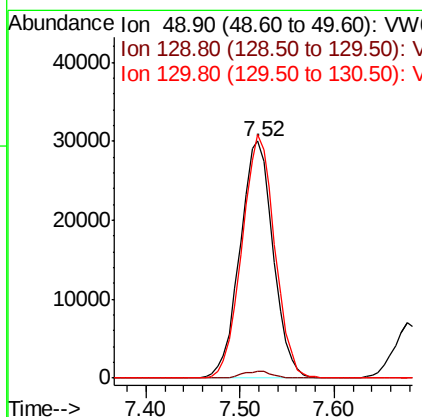
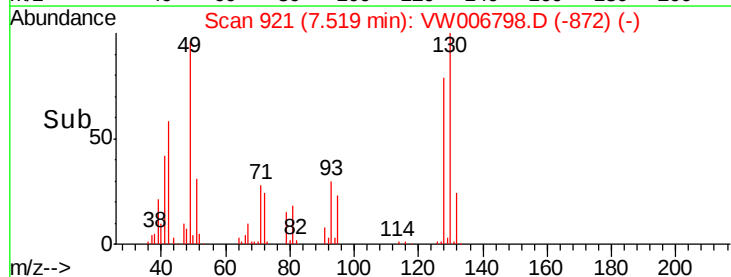
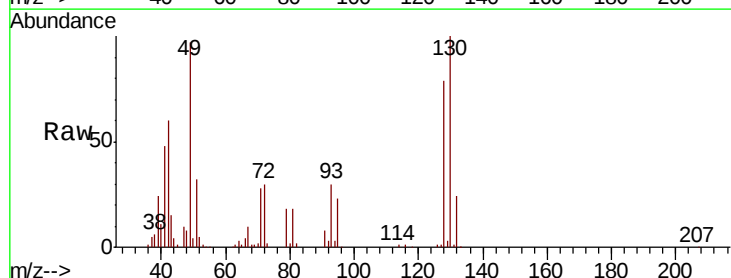
apatel
11/12/2018 3:41:22 PM

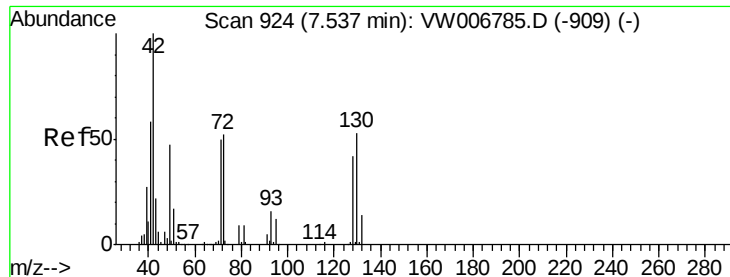


#28

Bromochloromethane
Concen: 52.104 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.6
130	101.3	81.5	122.3





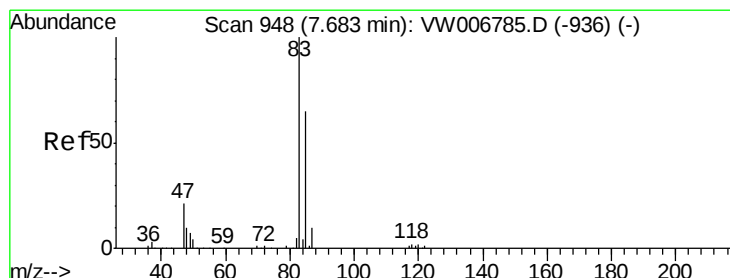
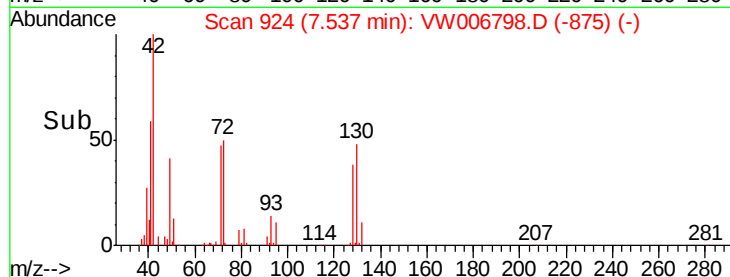
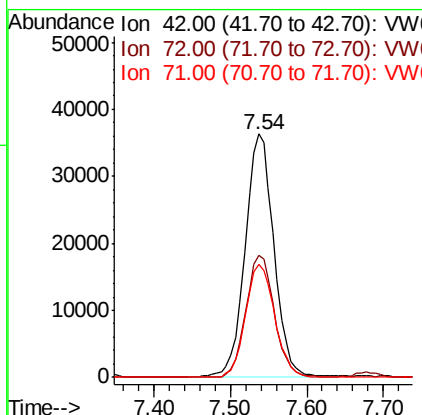
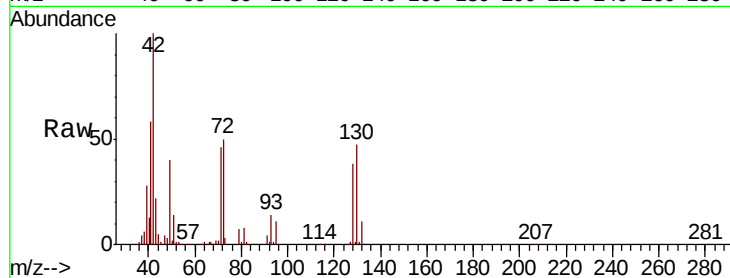
#29
Tetrahydrofuran
Concen: 290.643 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	39.8	59.8
71	46.9	37.8	56.6

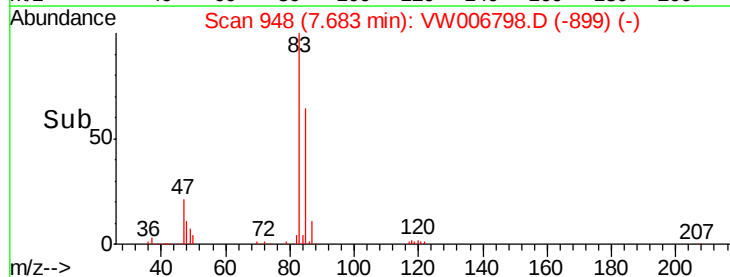
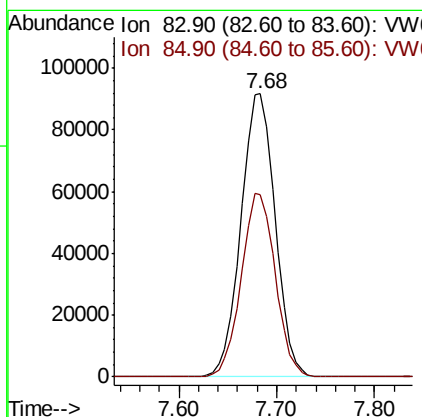
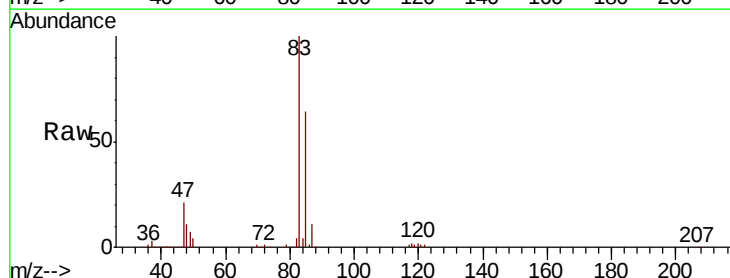
Manual Integrations
APPROVED

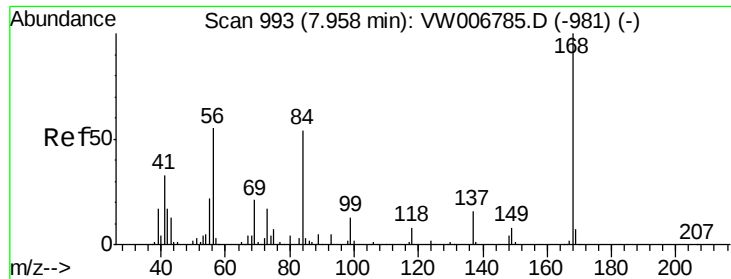
apatel
11/12/2018 3:41:22 PM



#30
Chloroform
Concen: 53.087 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.1	78.1





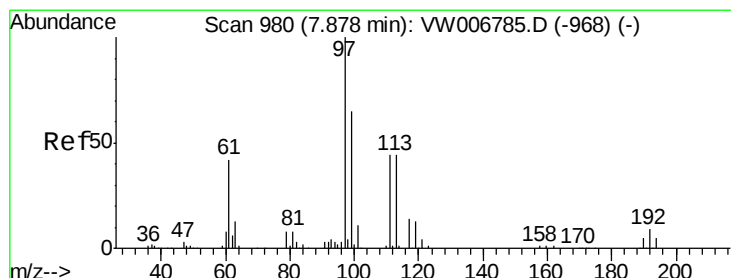
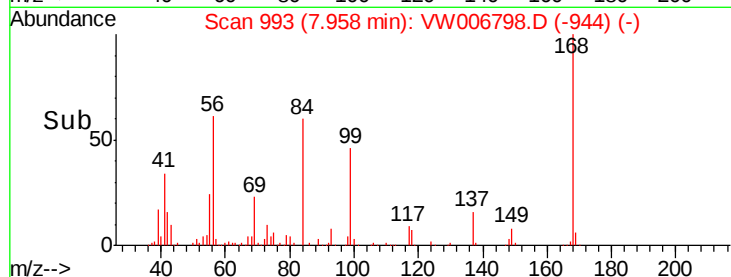
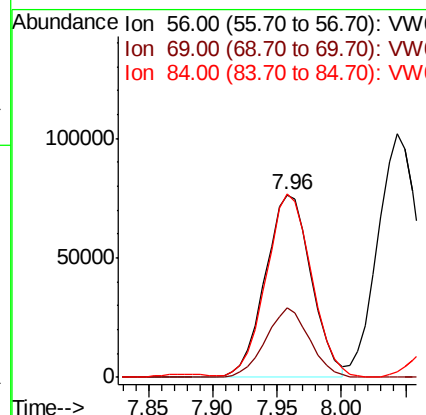
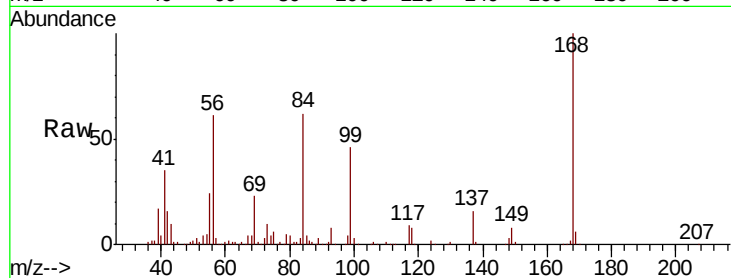
#31
Cyclohexane
Concen: 48.592 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	30.3	45.5
84	98.9	78.2	117.2

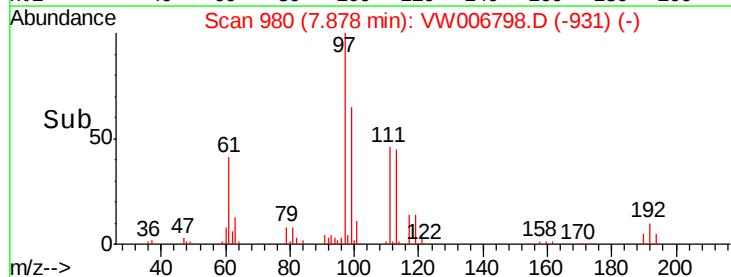
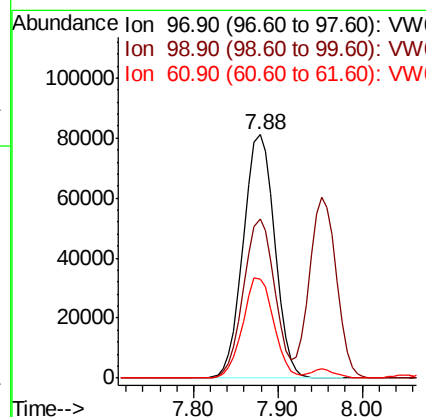
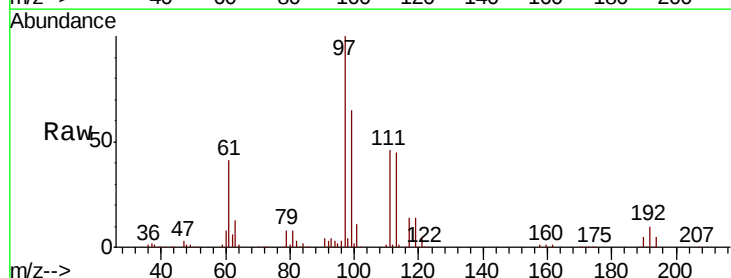
Manual Integrations
APPROVED

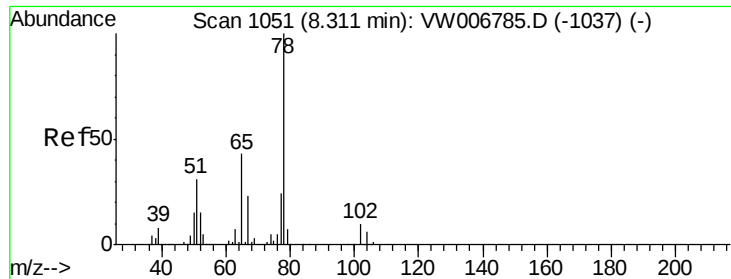
apatel
11/12/2018 3:41:22 PM



#32
1,1,1-Trichloroethane
Concen: 51.275 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.4	77.2
61	40.6	32.7	49.1





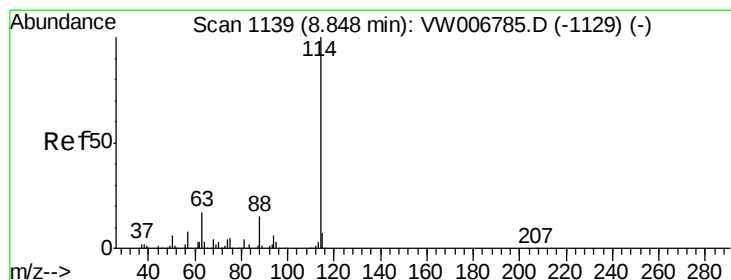
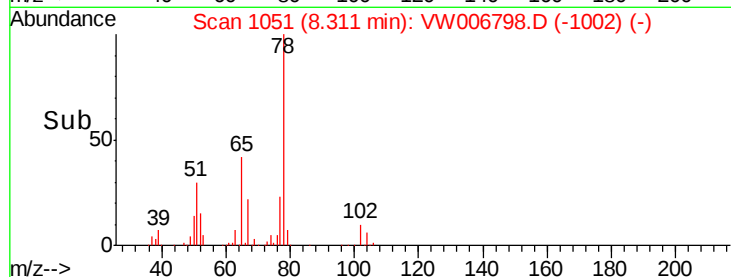
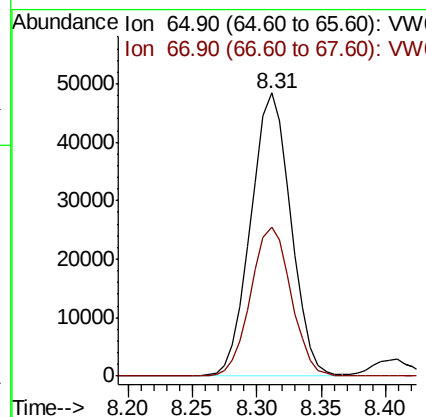
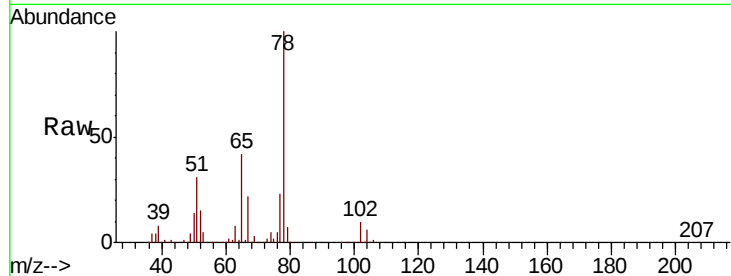
#33
 1,2-Dichloroethane-d4
 Concen: 49.752 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	104129		
67	53.2	0.0	107.2	

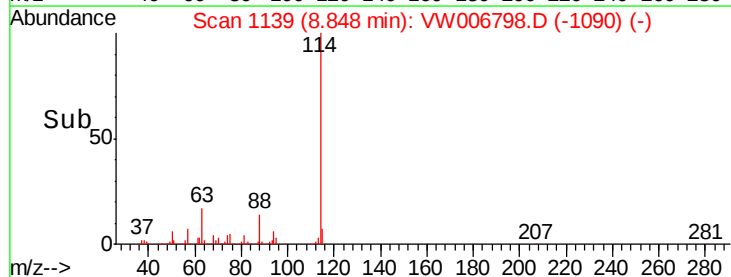
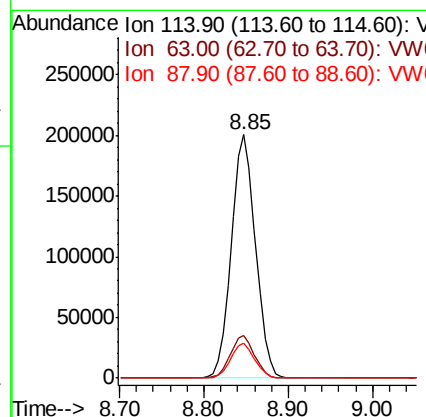
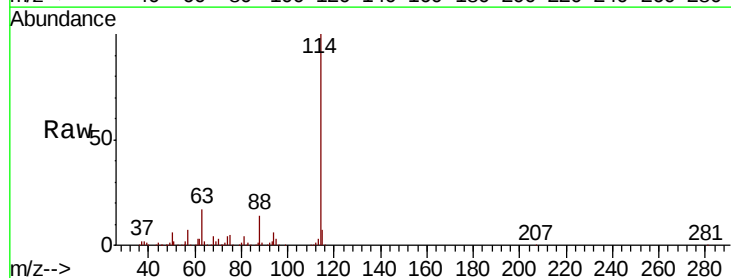
Manual Integrations
 APPROVED

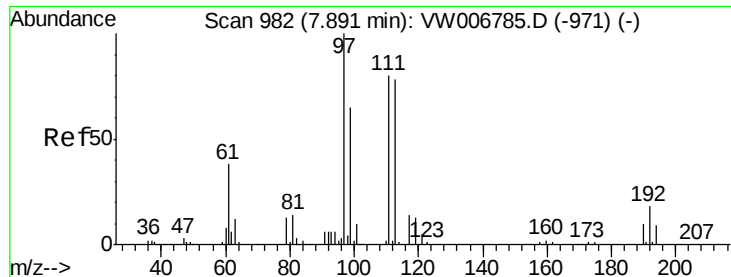
apatel
 11/12/2018 3:41:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	390573		
63	17.4	0.0	34.0	
88	14.3	0.0	29.2	





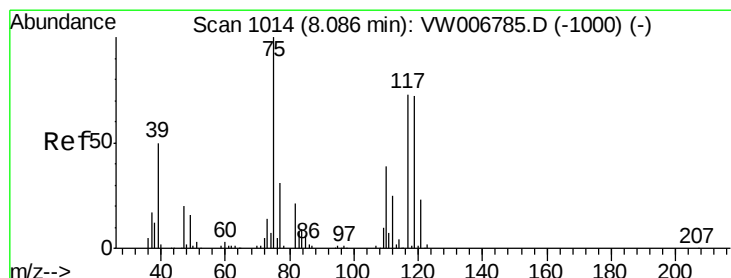
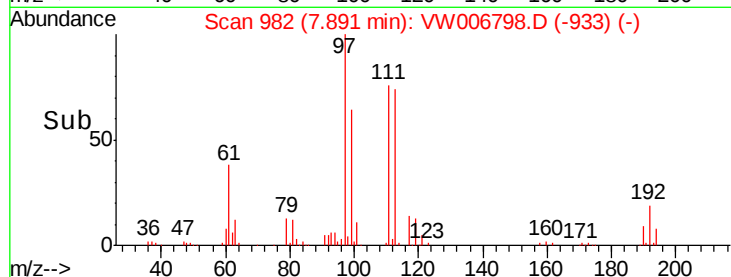
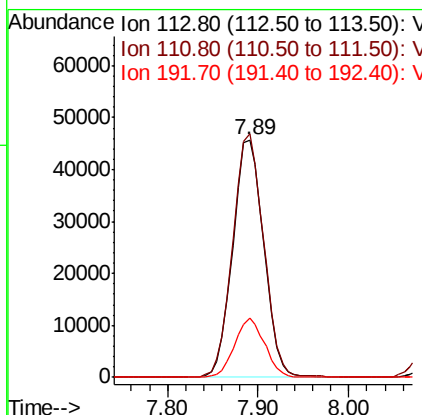
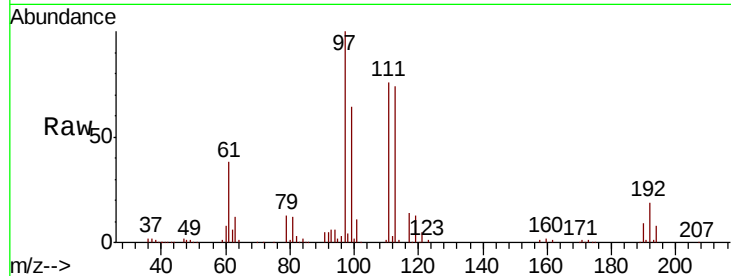
#35
Dibromofluoromethane
Concen: 48.892 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108690		
111	102.0	81.4	122.2	
192	24.0	19.1	28.7	

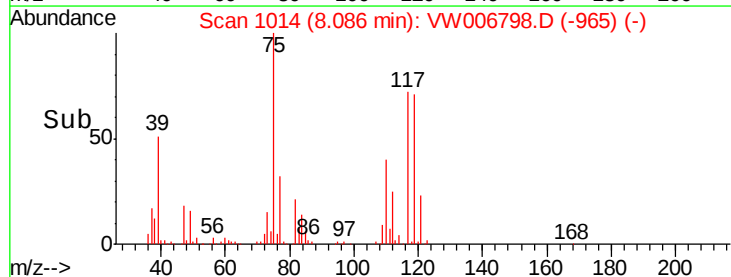
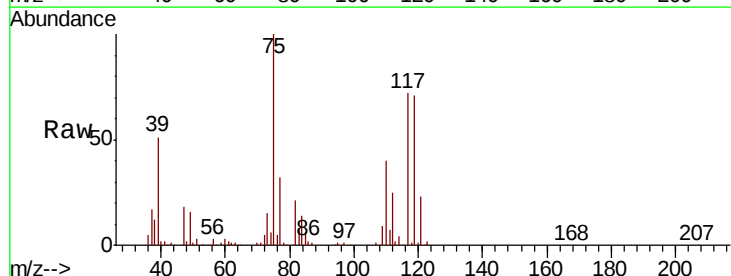
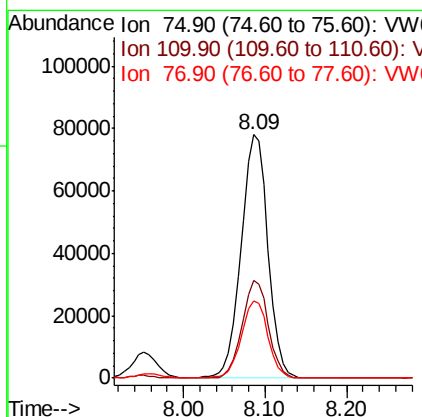
Manual Integrations
APPROVED

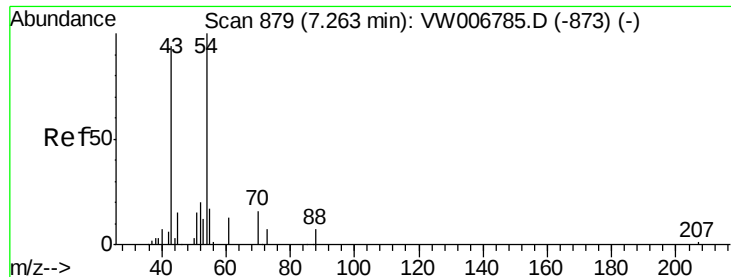
apatel
11/12/2018 3:41:22 PM



#36
1,1-Dichloropropene
Concen: 50.109 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	177591		
110	39.1	19.6	58.7	
77	31.7	24.9	37.3	





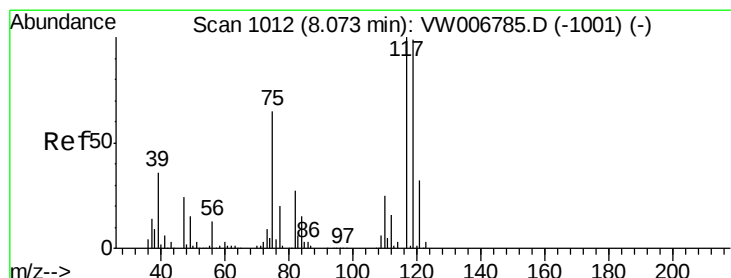
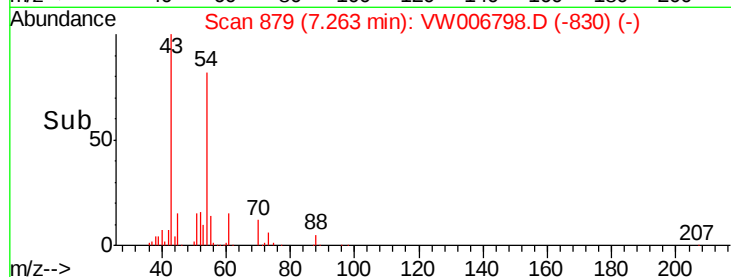
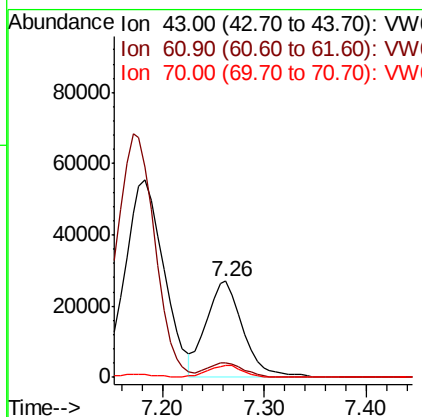
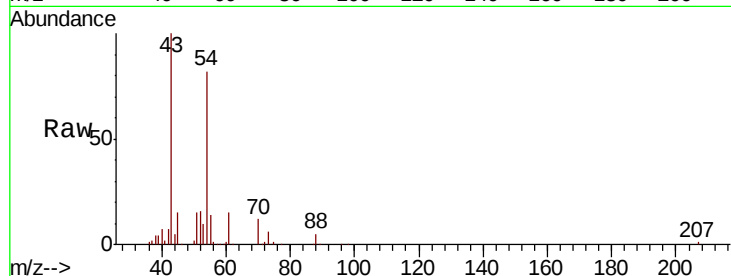
#37
Ethyl Acetate
Concen: 53.439 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.2	18.2
70	12.0	9.8	14.8

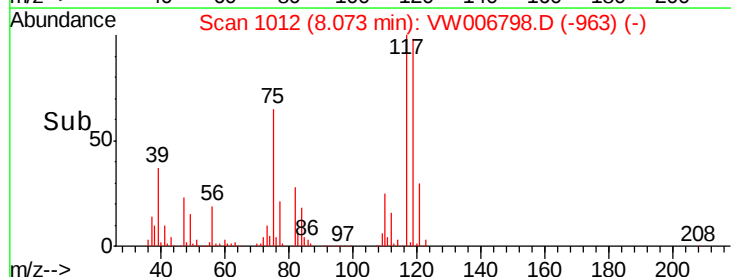
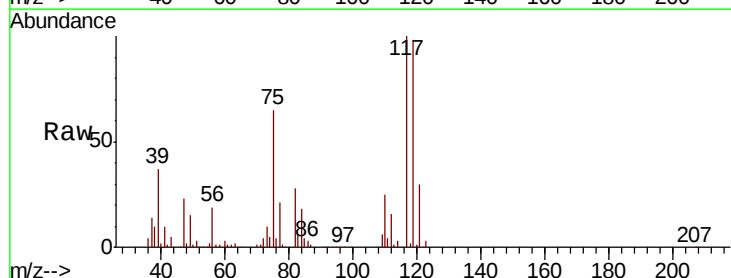
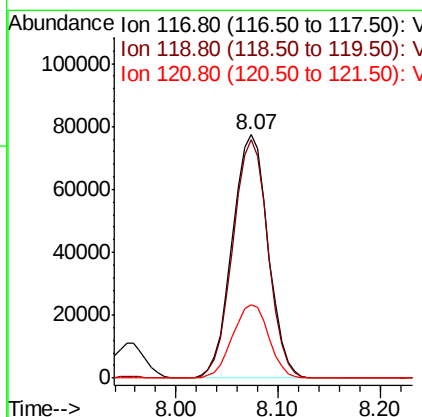
Manual Integrations
APPROVED

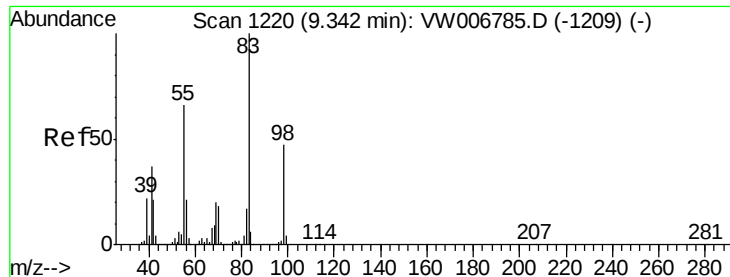
apatel
11/12/2018 3:41:22 PM



#38
Carbon Tetrachloride
Concen: 49.790 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.9	118.3
121	30.3	25.3	37.9





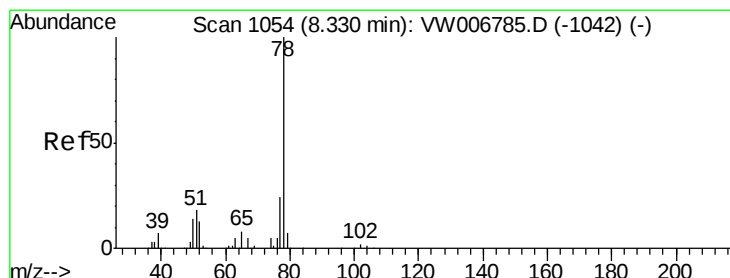
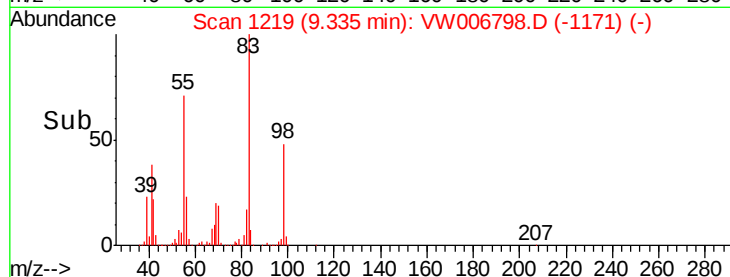
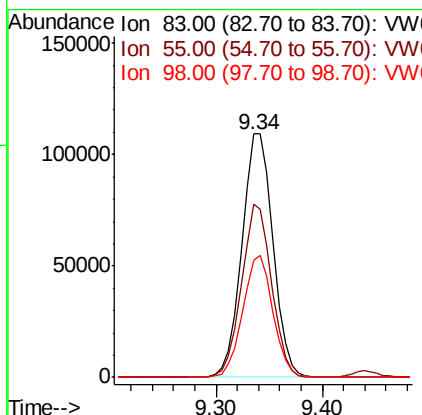
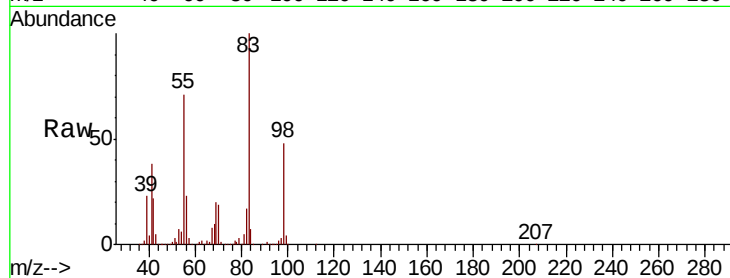
#39
Methvlcvclohexane
Concen: 49.769 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	53.0	79.4
98	47.9	37.9	56.9

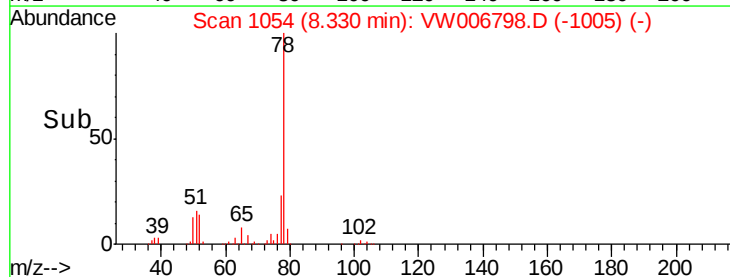
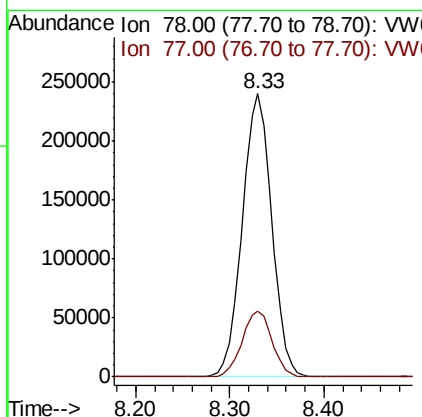
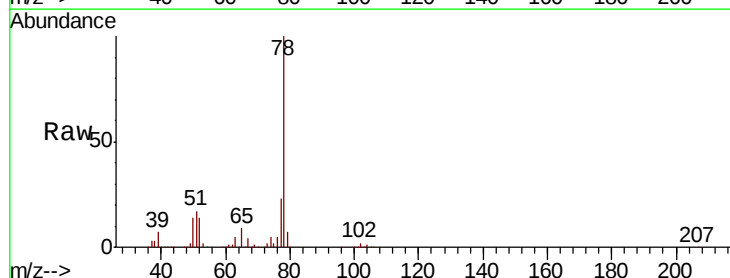
Manual Integrations
APPROVED

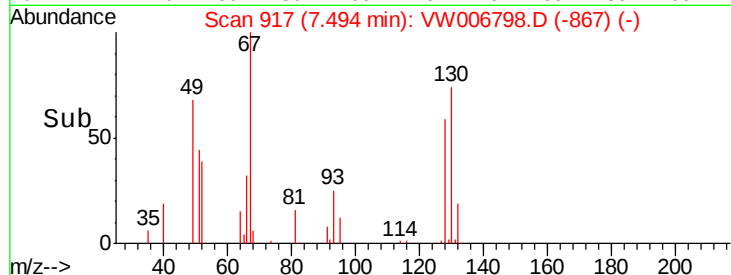
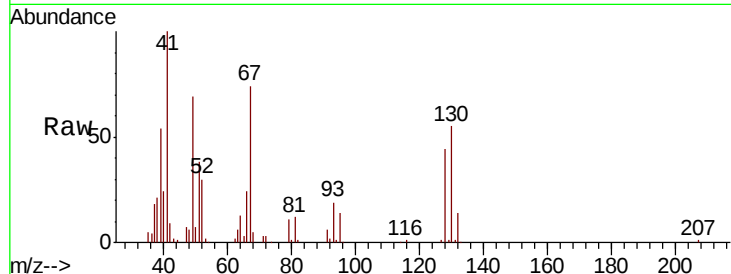
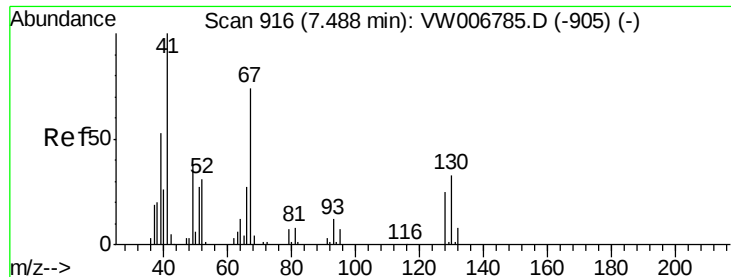
apatel
11/12/2018 3:41:22 PM



#40
Benzene
Concen: 52.473 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.2





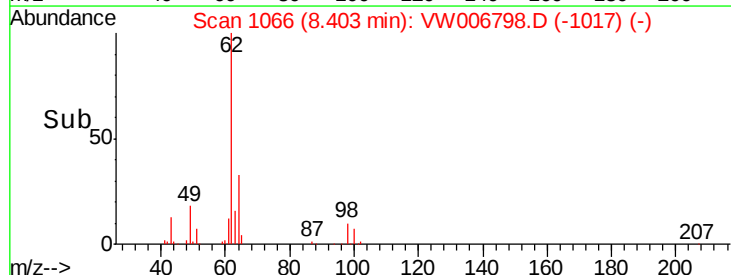
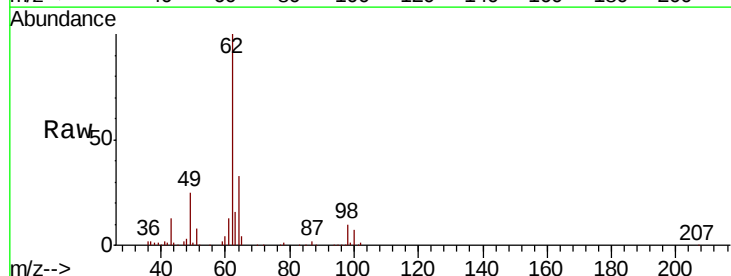
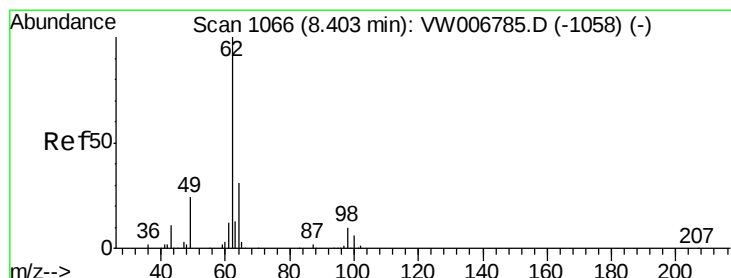
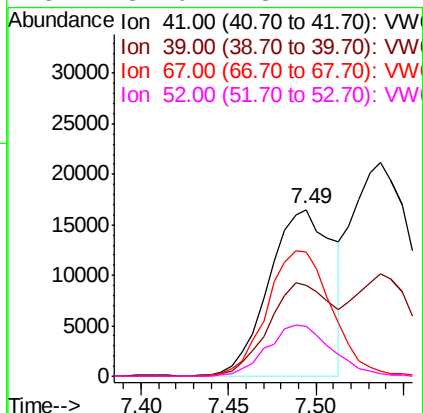
#41
Methacrylonitrile
Concen: 57.991 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tot Ion	41	Resp	42345
Ion	Ratio	Lower	Upper
41	100		
39	54.8	49.3	73.9
67	75.9	69.3	103.9
52	31.0	28.2	42.4

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

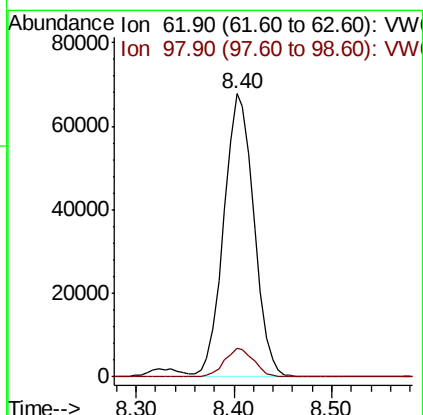
Manual Integrations
APPROVED

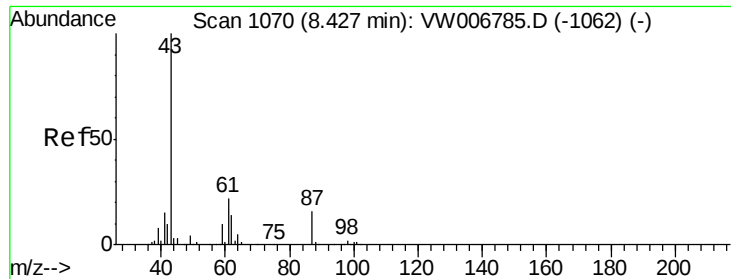
apatel
11/12/2018 3:41:22 PM



#42
1,2-Dichloroethane
Concen: 53.120 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	62	Resp	144705
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 55.761 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

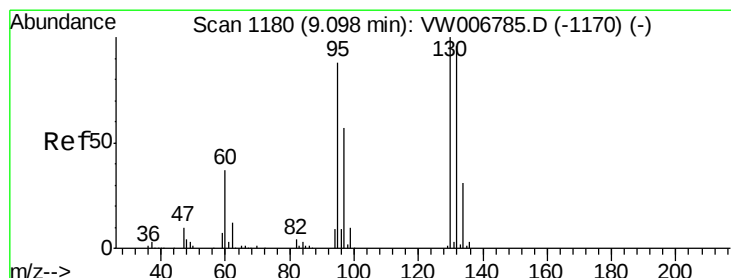
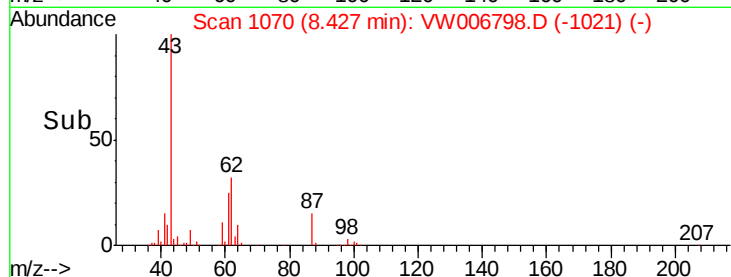
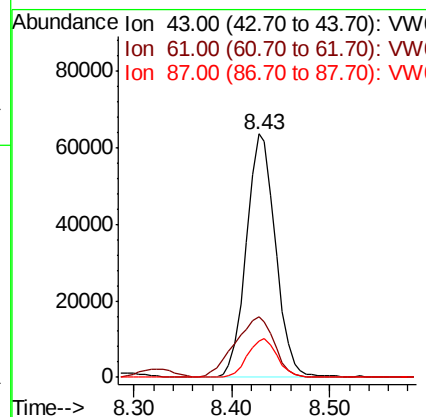
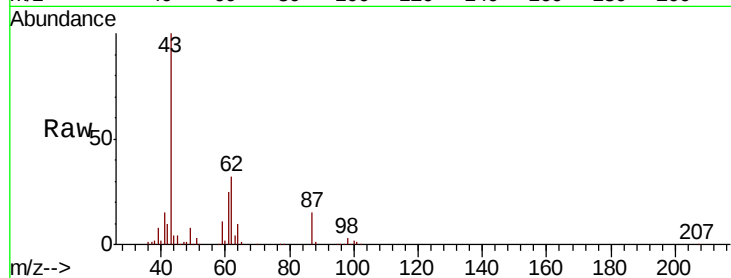
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	43	Resp:	131568
Ion	Ratio	Lower	Upper
43	100		
61	33.3	26.5	39.7
87	16.1	12.8	19.2

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#44

Trichloroethene

Concen: 50.531 ug/l

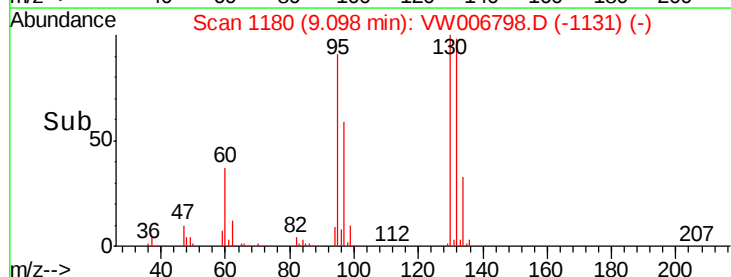
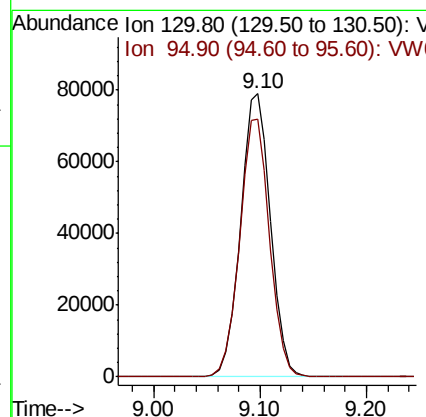
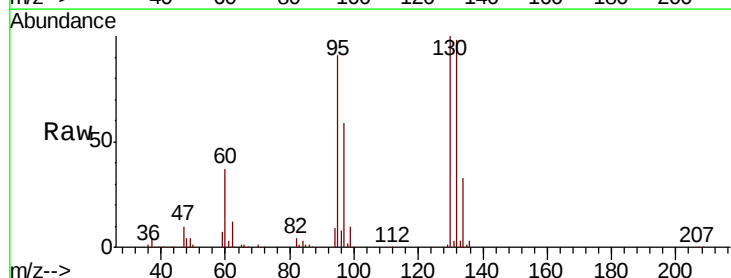
RT: 9.10 min Scan# 1180

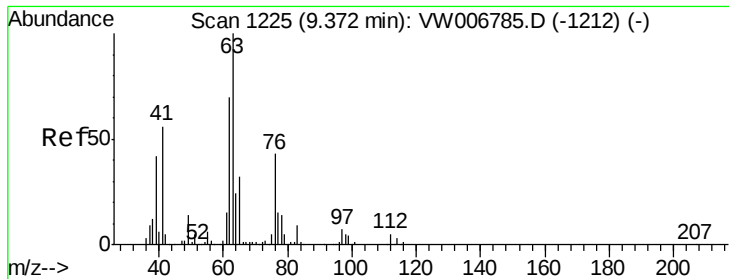
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	130	Resp:	155485
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	175.0





#45

1,2-Dichloropropane

Concen: 52.775 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 63 Resp: 124044

Ion Ratio Lower Upper

63 100

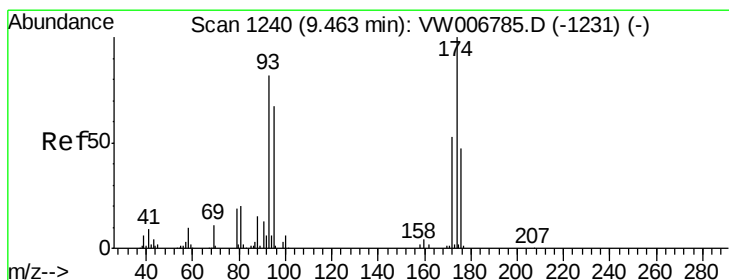
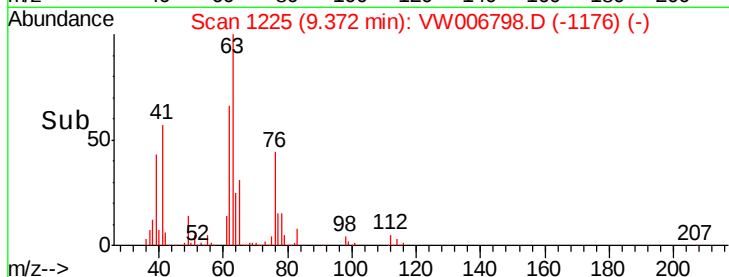
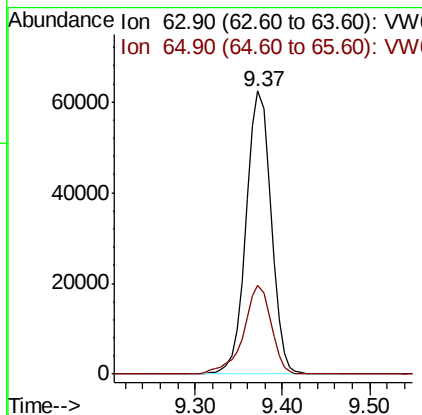
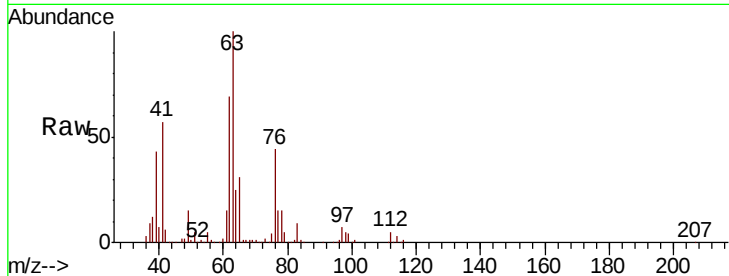
65 31.5 25.5 38.3

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#46

Dibromomethane

Concen: 54.268 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

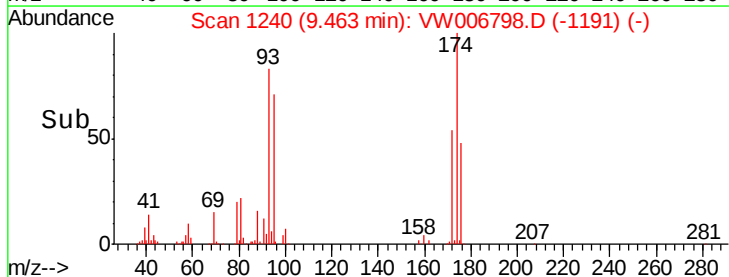
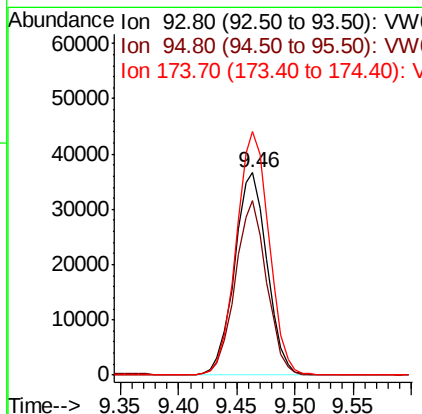
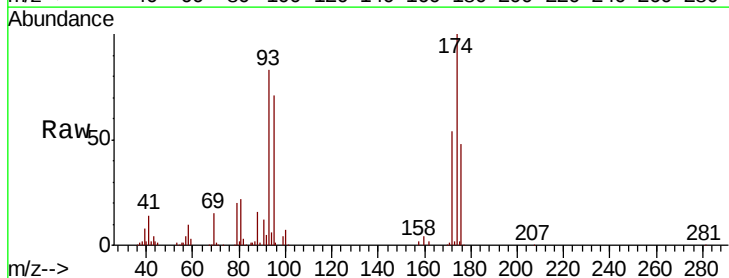
Tgt Ion: 93 Resp: 71613

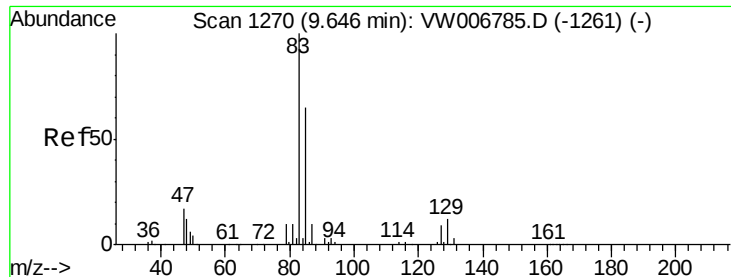
Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.0

174 120.7 96.4 144.6





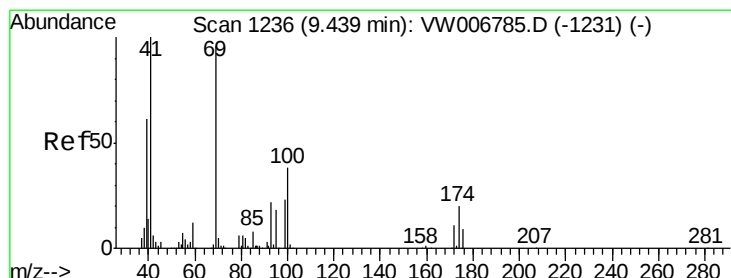
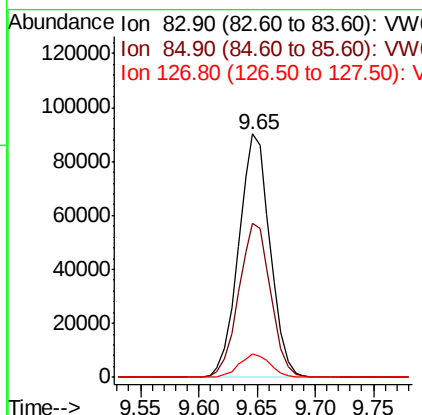
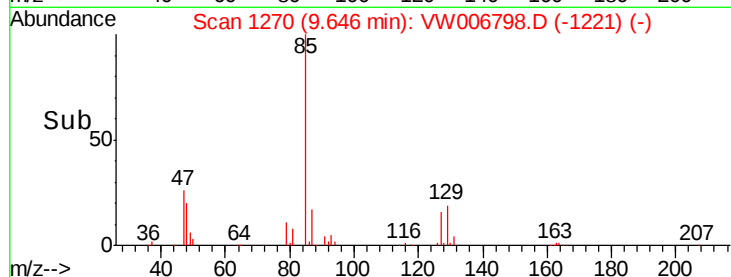
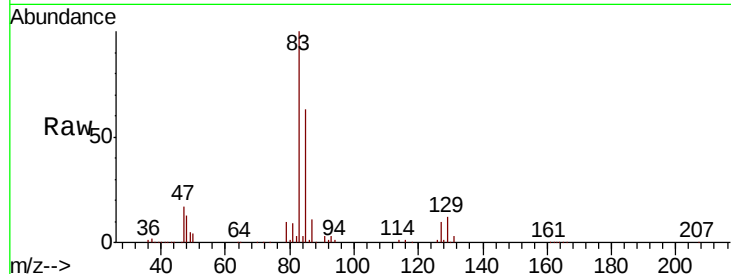
#47
Bromodichloromethane
Concen: 52.642 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168568		
85	63.3	51.6	77.4	
127	9.8	7.4	11.2	

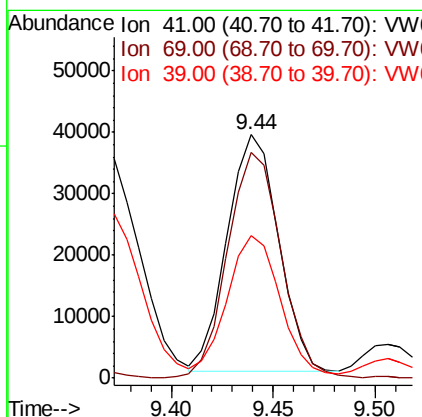
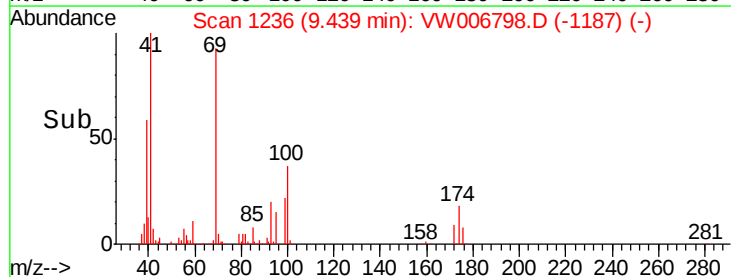
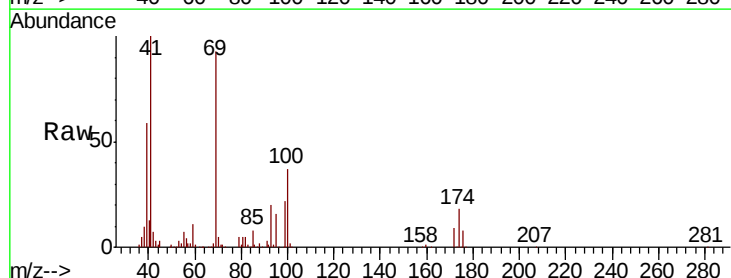
Manual Integrations
APPROVED

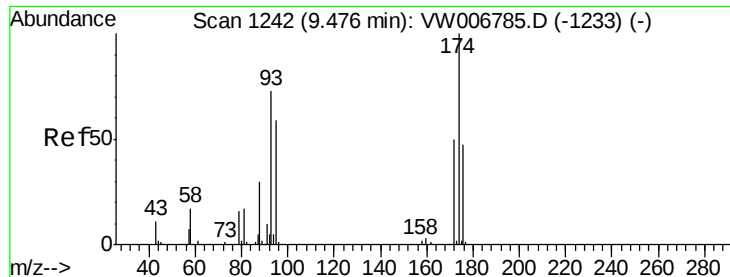
apatel
11/12/2018 3:41:22 PM



#48
Methyl methacrylate
Concen: 60.563 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	67300		
69	99.9	81.5	122.3	
39	59.1	48.0	72.0	





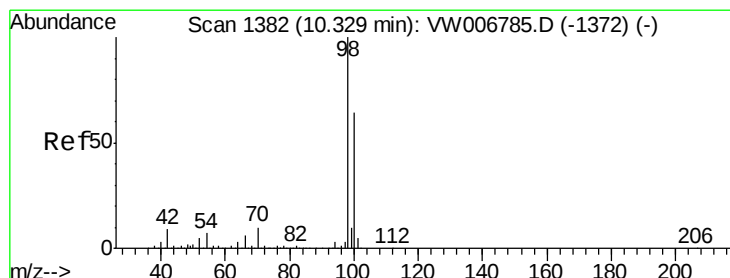
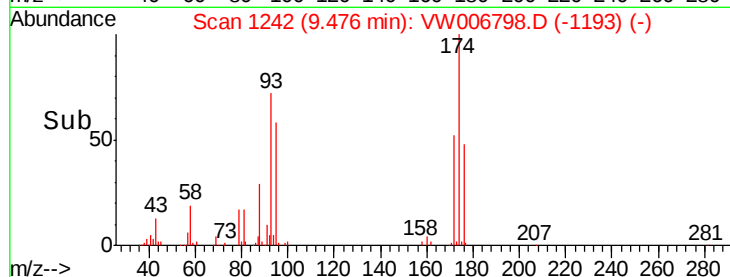
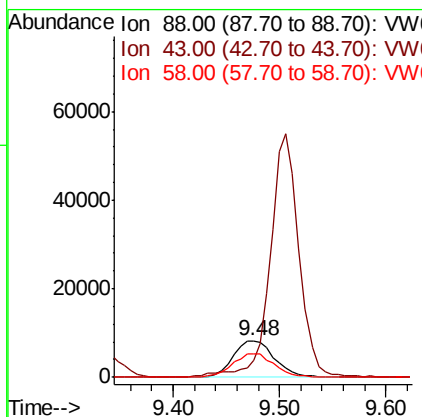
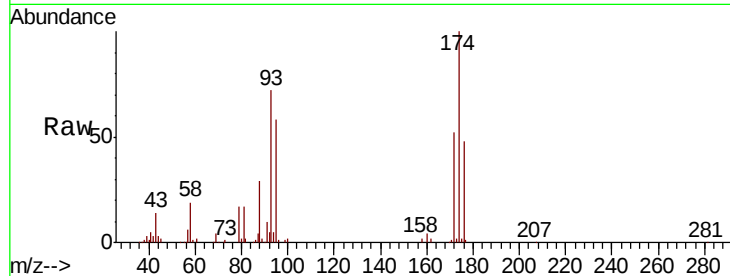
#49
1,4-Dioxane
Concen: 1130.334 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	67.5	53.7	80.5

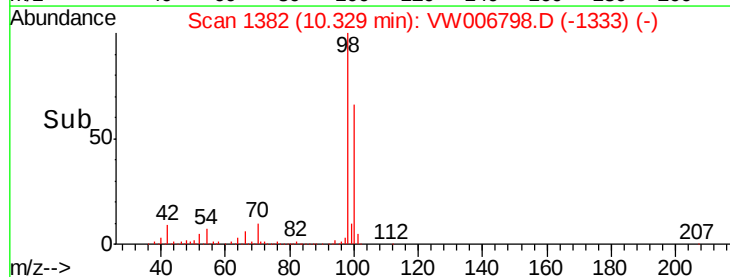
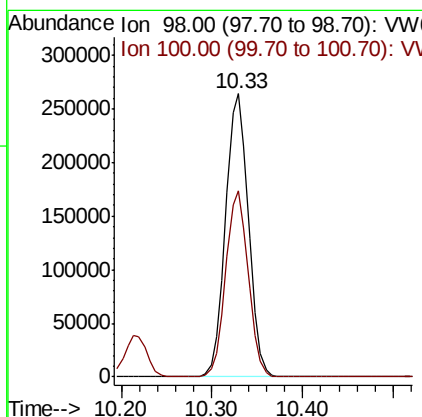
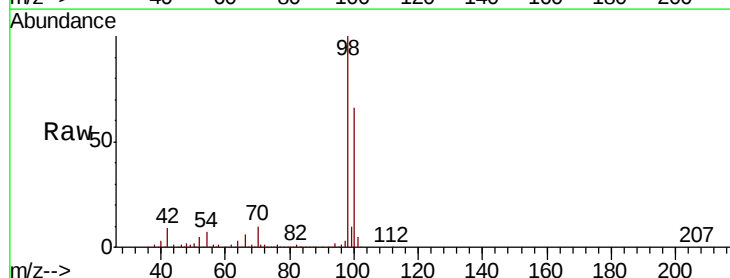
Manual Integrations
APPROVED

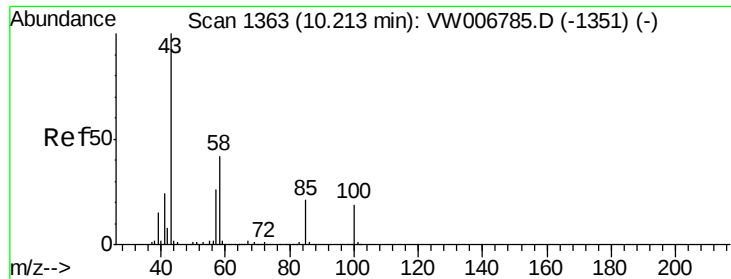
apatel
11/12/2018 3:41:22 PM



#50
Toluene-d8
Concen: 49.353 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 294.361 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 43 Resp: 356834

Ion Ratio Lower Upper

43 100

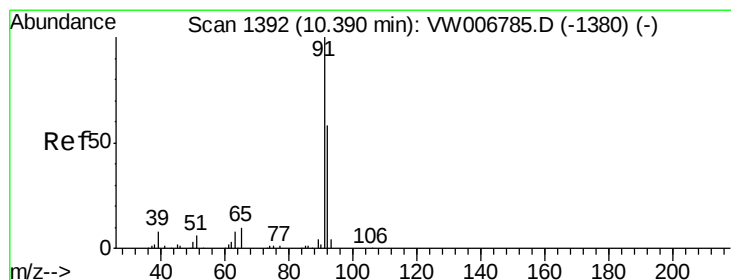
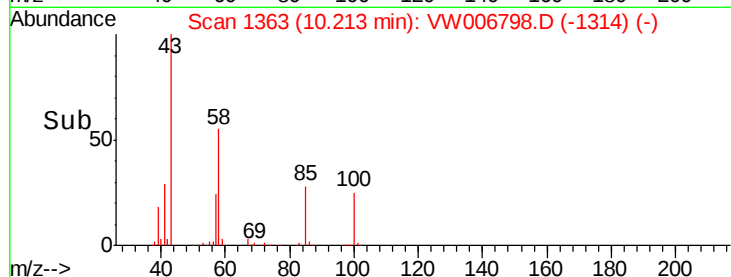
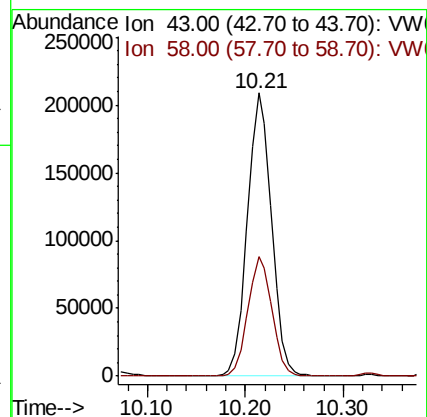
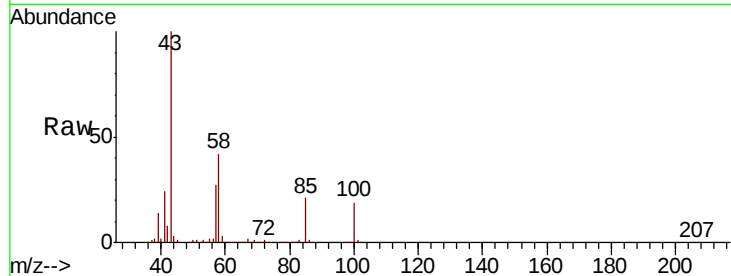
58 42.0 33.2 49.8

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#52

Toluene

Concen: 55.502 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006798.D

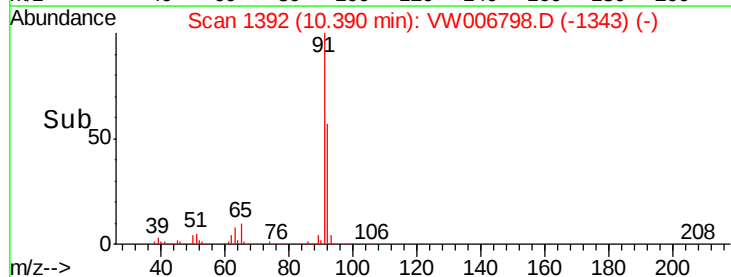
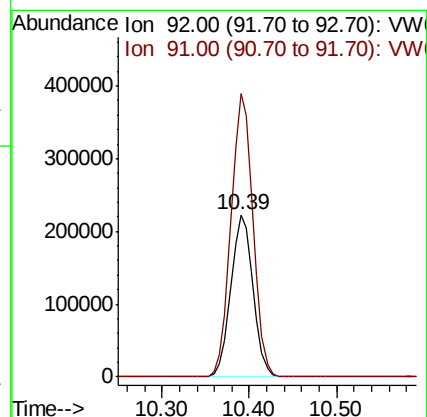
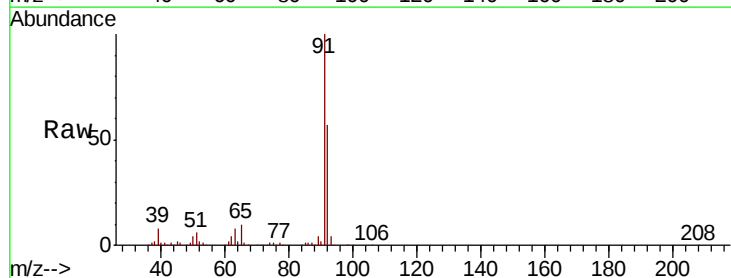
Acq: 09 Nov 2018 20:40

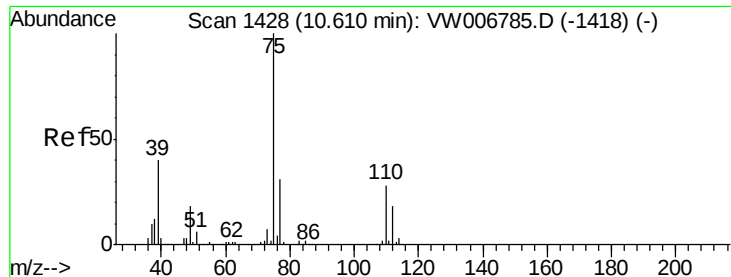
Tgt Ion: 92 Resp: 390519

Ion Ratio Lower Upper

92 100

91 173.7 138.6 207.8





#53

t-1,3-Dichloropropene

Concen: 55.836 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

ClientSampleId :

EP2-SB-104(15-17)

Tot Ion: 75 Resp: 173371

Ion Ratio Lower Upper

75 100

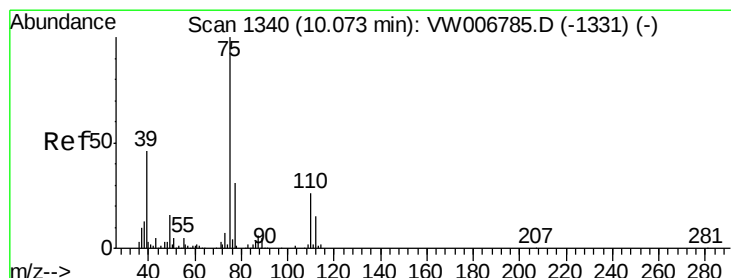
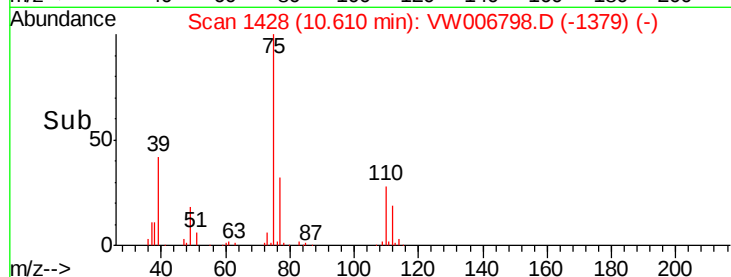
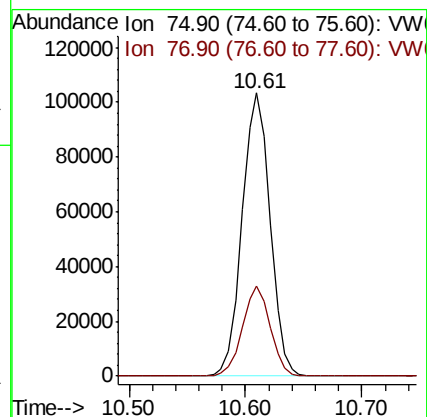
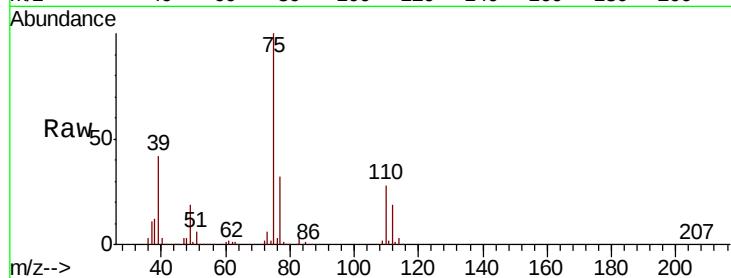
77 31.8 25.1 37.7

Manual Integrations

APPROVED

apatel

11/12/2018 3:41:22 PM



#54

cis-1,3-Dichloropropene

Concen: 54.339 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

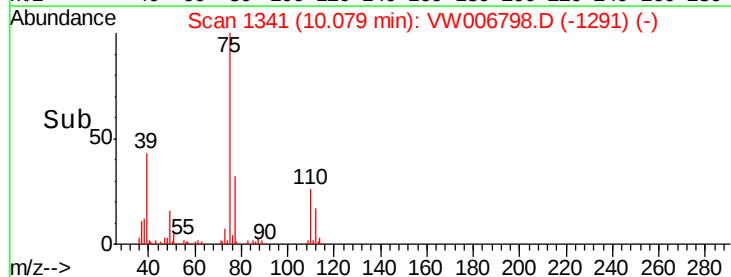
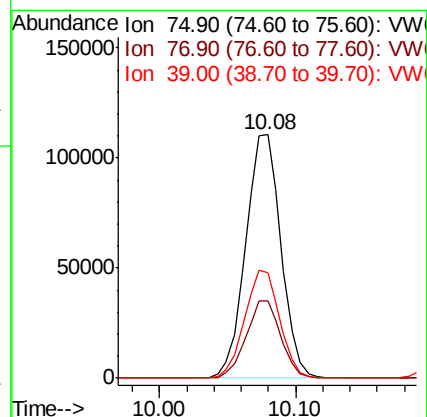
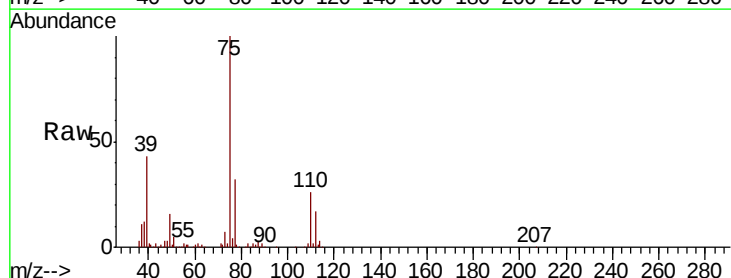
Tgt Ion: 75 Resp: 200041

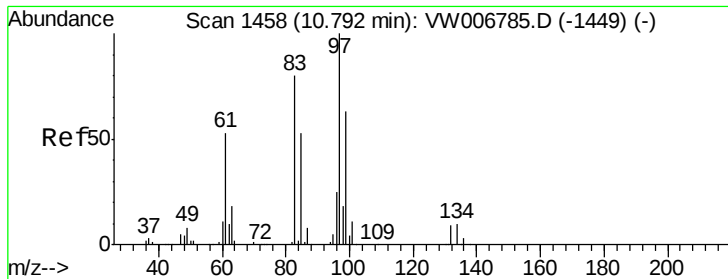
Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0

39 43.4 37.1 55.7





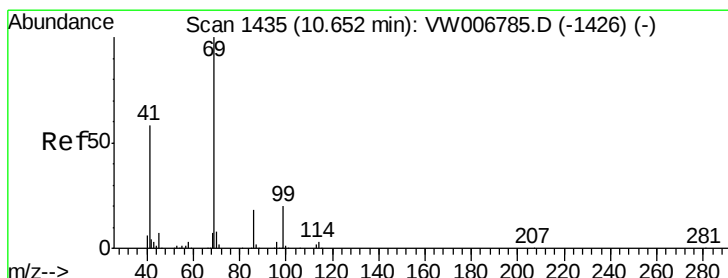
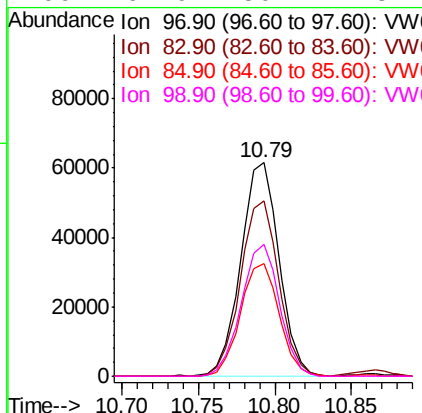
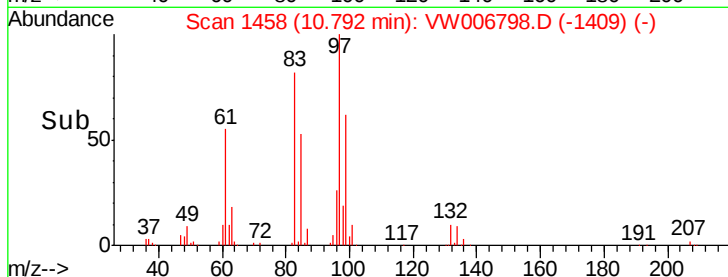
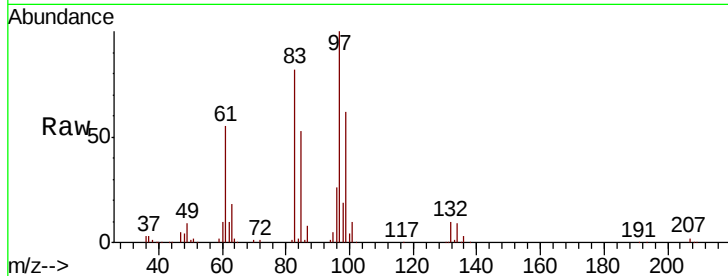
#55
 1,1,2-Trichloroethane
 Concen: 55.164 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		107240		
83	81.9	64.4	96.6		
85	52.6	42.6	63.8		
99	61.9	50.2	75.2		

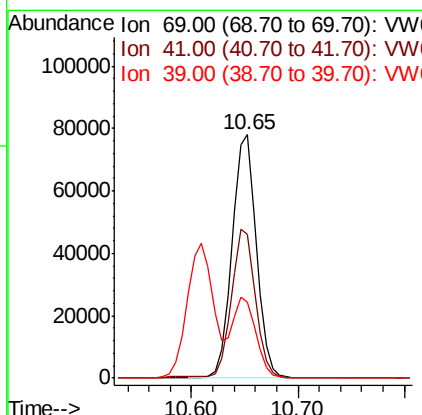
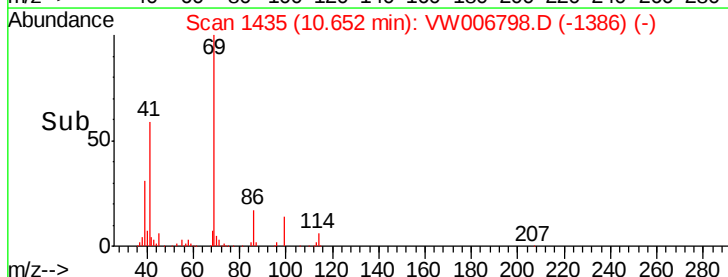
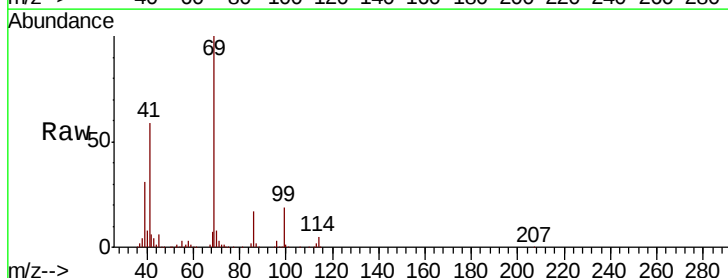
Manual Integrations
 APPROVED

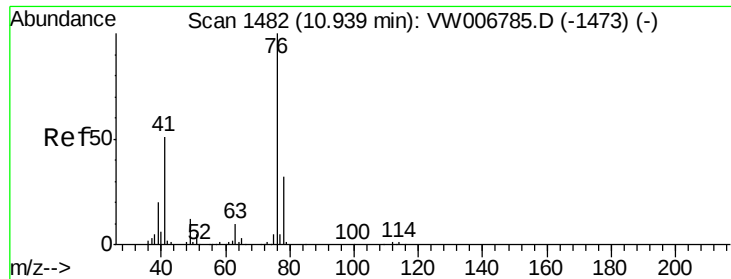
apatel
 11/12/2018 3:41:22 PM



#56
 Ethyl methacrylate
 Concen: 58.225 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		124993		
41	60.1	47.2	70.8		
39	33.5	23.4	35.0		





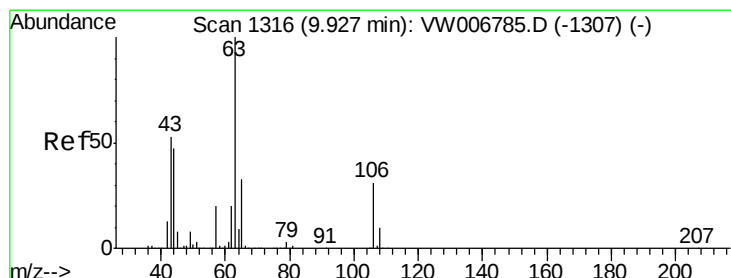
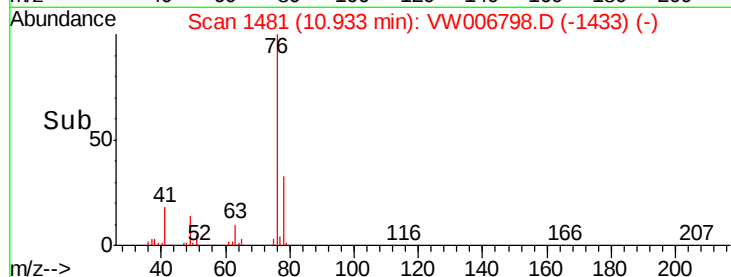
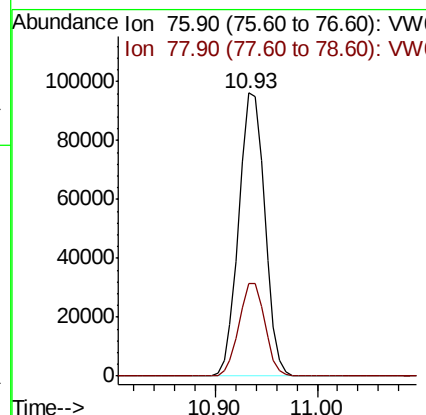
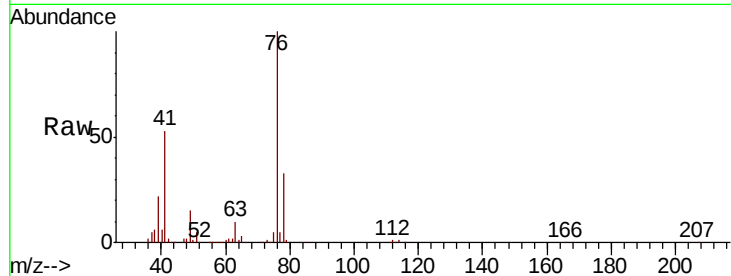
#57
 1,3-Dichloropropane
 Concen: 54.544 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

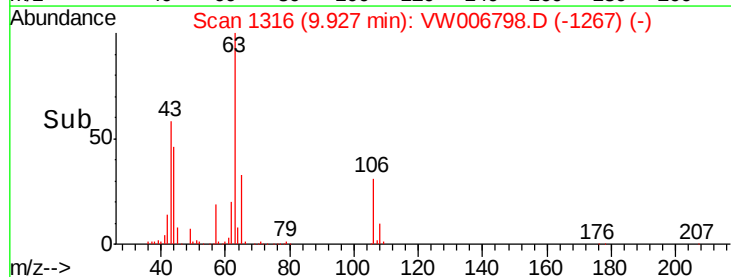
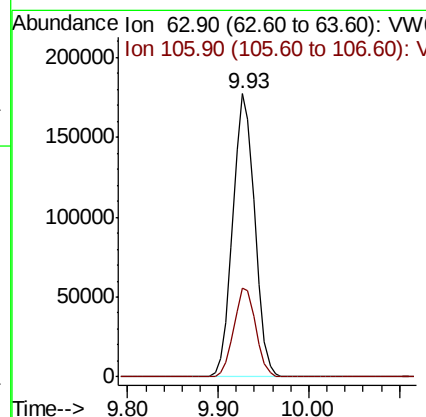
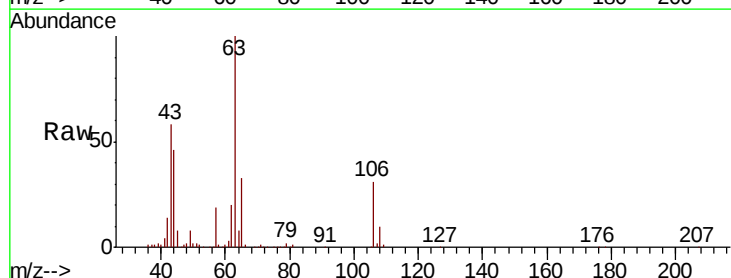
Manual Integrations
 APPROVED

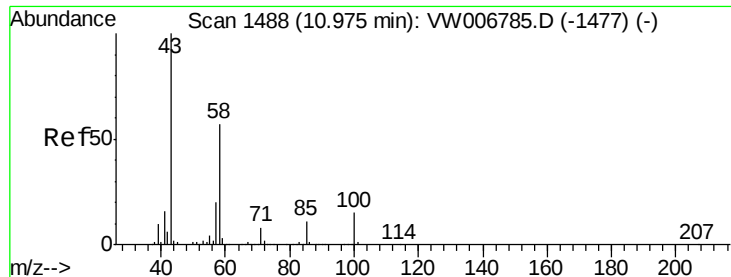
apatel
 11/12/2018 3:41:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 278.282 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.4	25.3	37.9





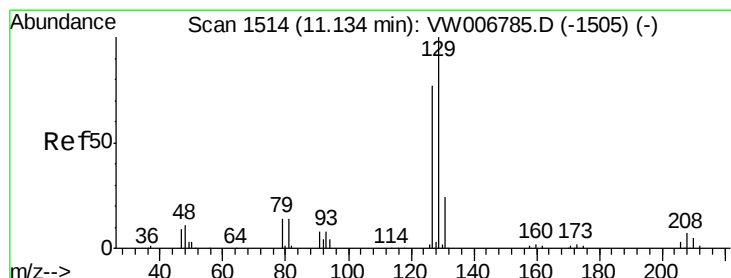
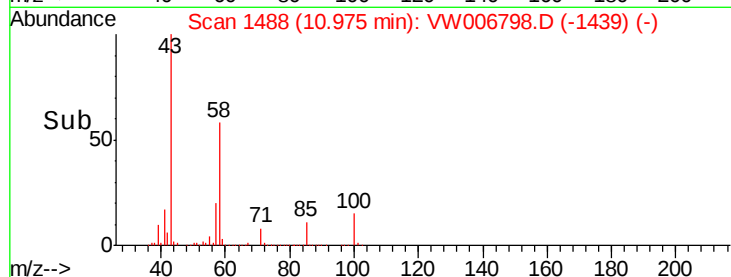
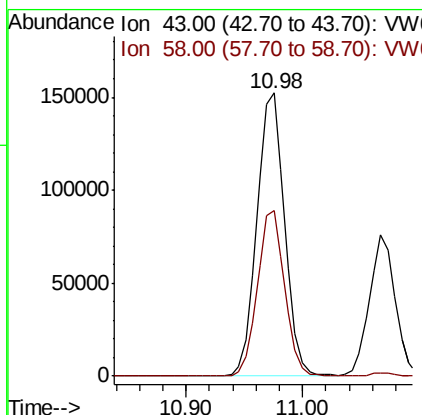
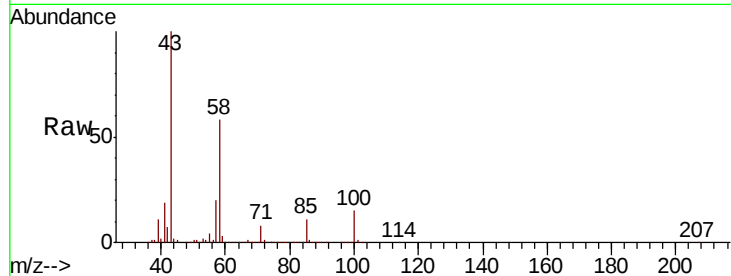
#59
2-Hexanone
Concen: 307.661 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	43	Resp	252756
Ion Ratio	100	Lower	Upper
43	100		
58	57.3	28.5	85.5

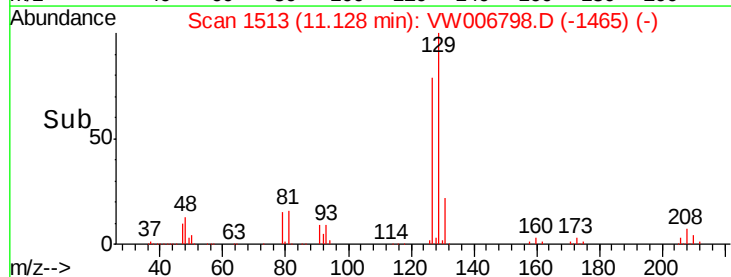
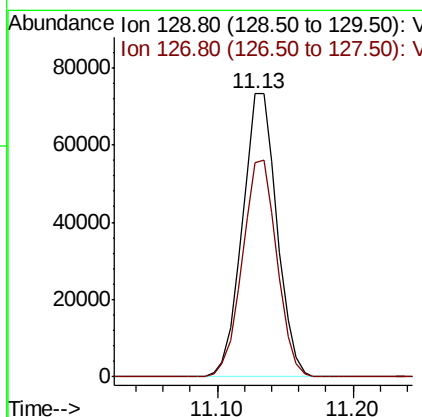
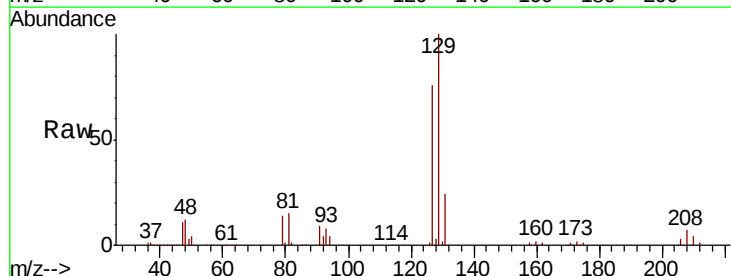
Manual Integrations
APPROVED

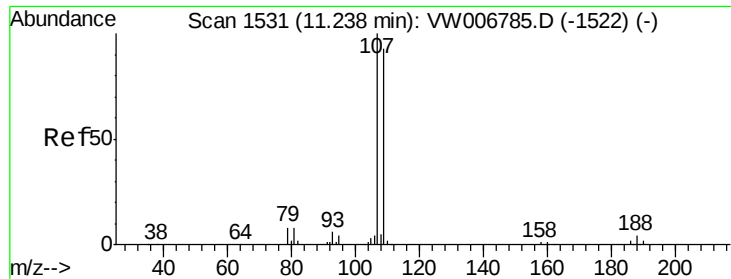
apatel
11/12/2018 3:41:22 PM



#60
Dibromochloromethane
Concen: 55.662 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	129	Resp	130070
Ion Ratio	100	Lower	Upper
129	100		
127	76.6	38.5	115.3





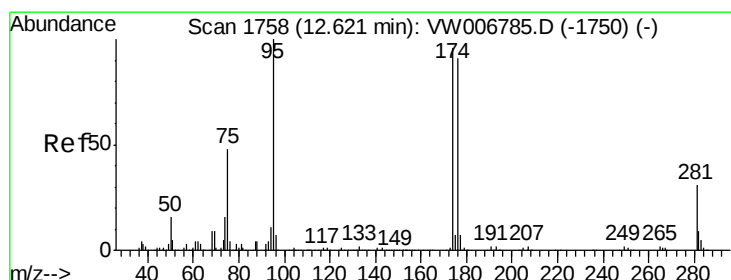
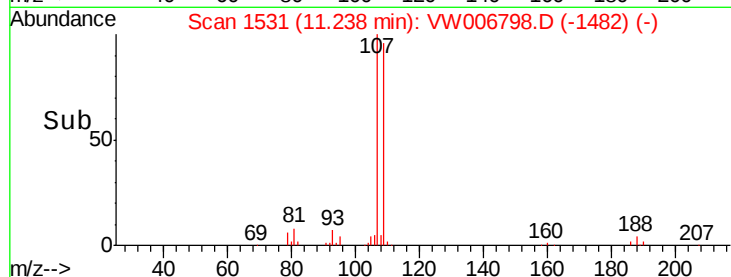
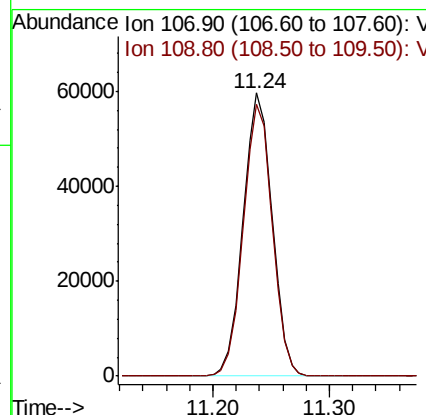
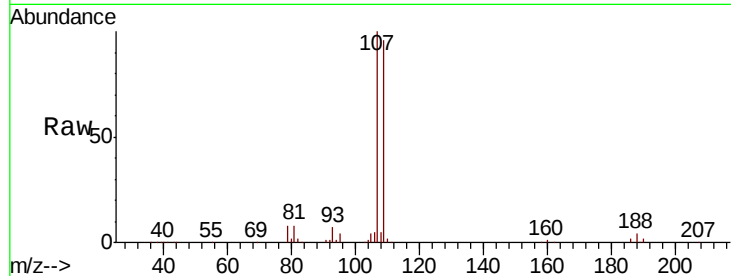
#61
 1,2-Dibromoethane
 Concen: 55.617 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	75.5	113.3

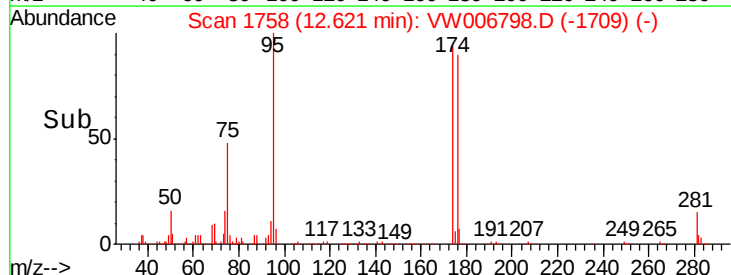
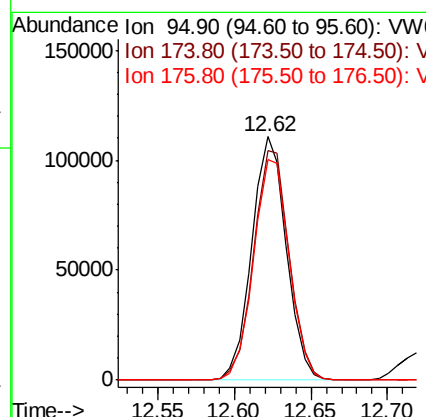
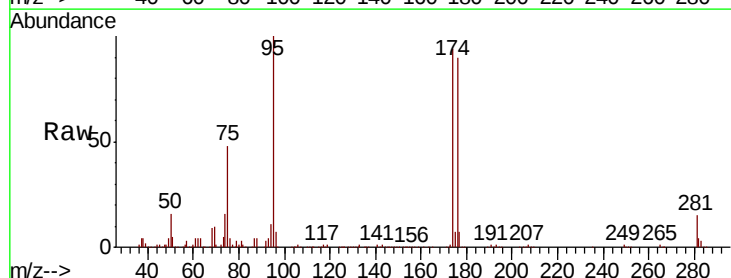
Manual Integrations
 APPROVED

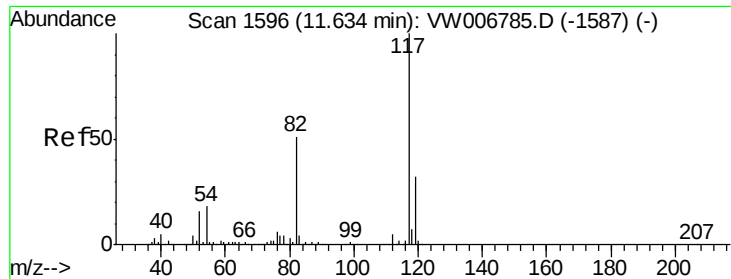
apatel
 11/12/2018 3:41:22 PM



#62
 4-Bromofluorobenzene
 Concen: 51.082 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	196.2
176	93.6	0.0	190.8





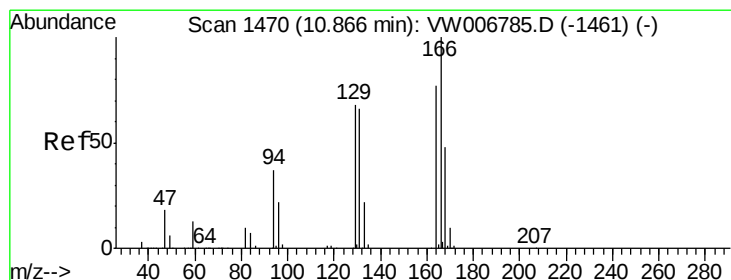
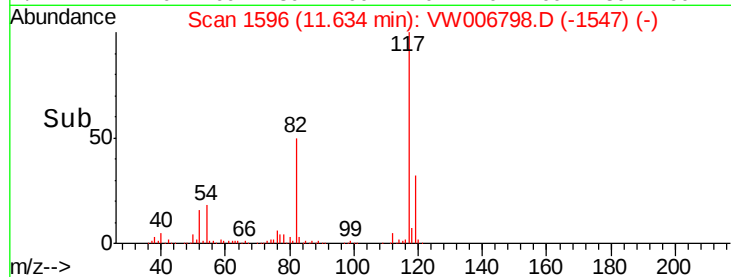
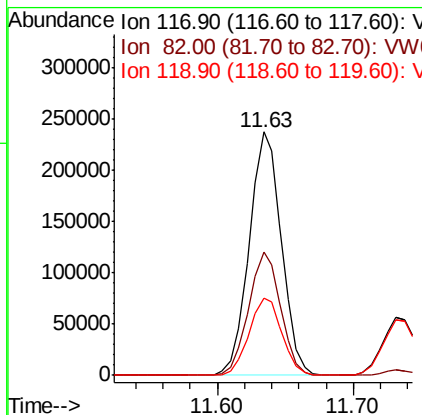
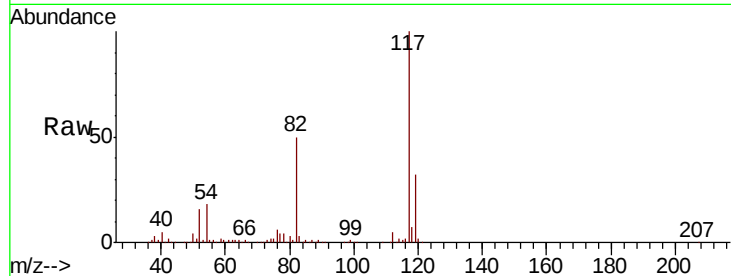
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Resp	Lower	Upper
117	100	393938		
82	50.4		40.9	61.3
119	32.0		25.8	38.8

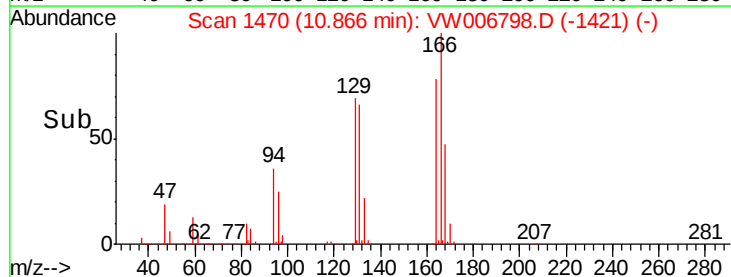
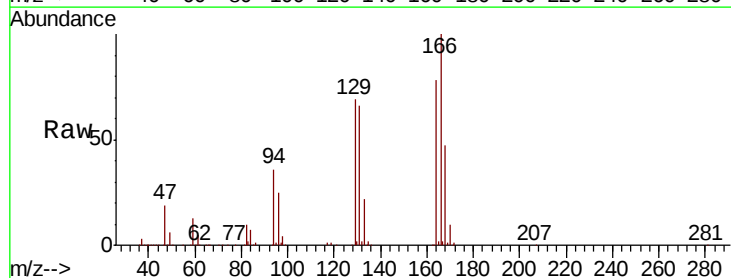
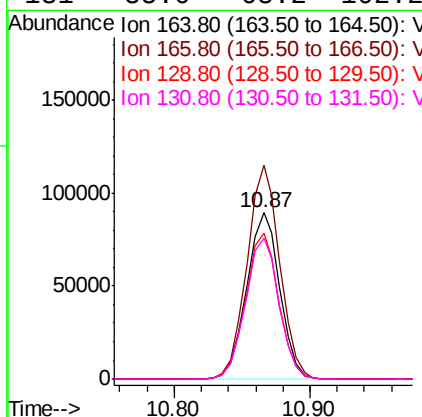
Manual Integrations
APPROVED

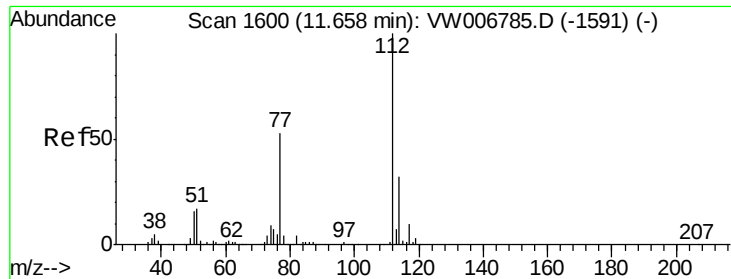
apatel
11/12/2018 3:41:22 PM



#64
Tetrachloroethene
Concen: 50.504 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	151930		
166	128.4		103.7	155.5
129	88.0		70.4	105.6
131	85.0		68.2	102.2





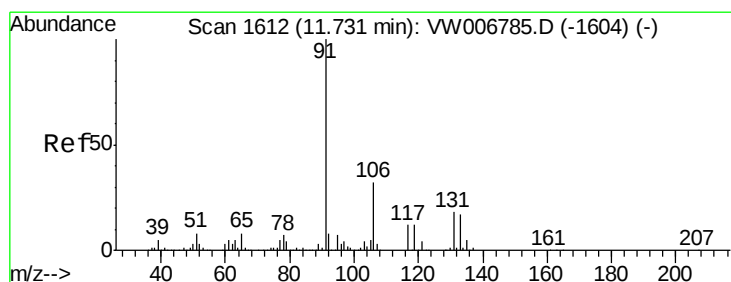
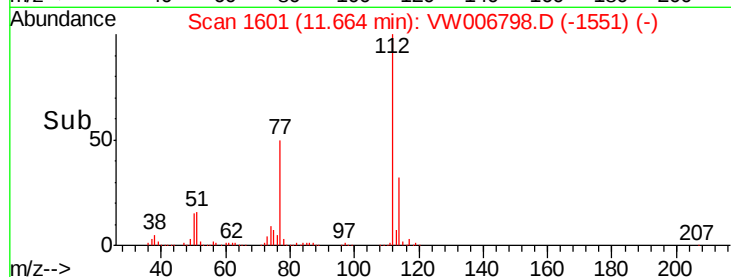
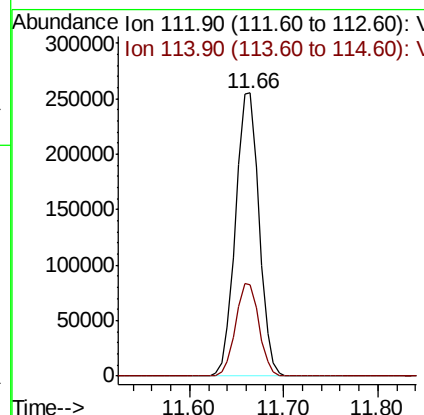
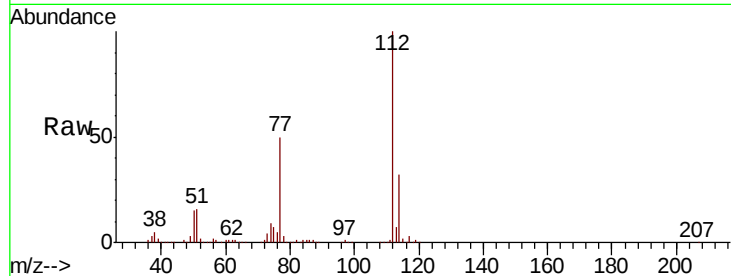
#65
Chlorobenzene
Concen: 52.758 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.9	38.9

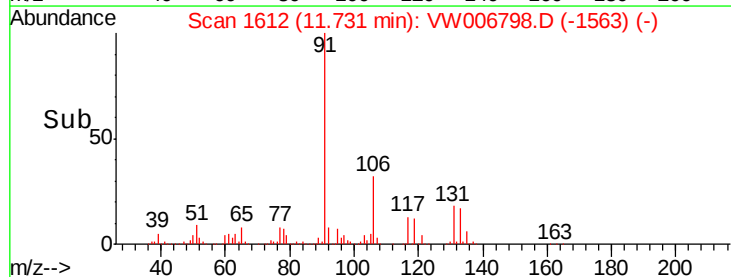
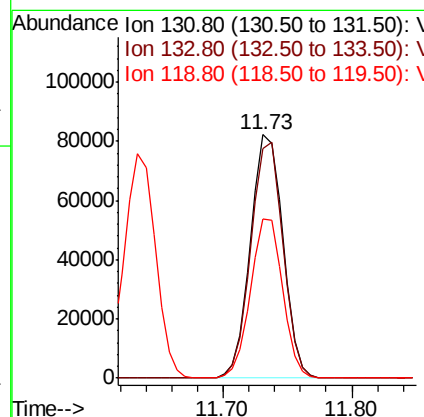
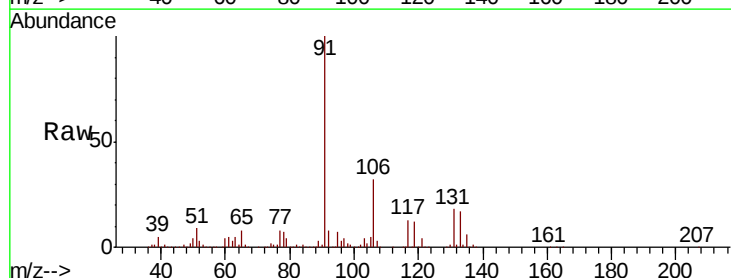
Manual Integrations
APPROVED

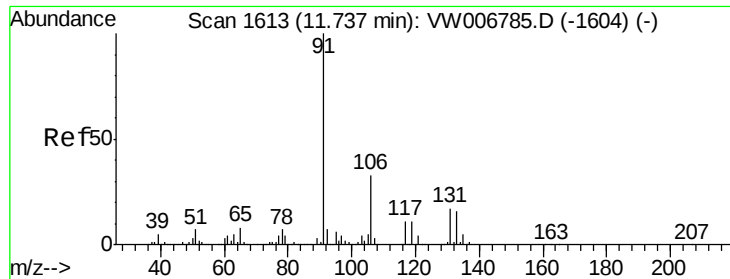
apatel
11/12/2018 3:41:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.302 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.9	143.6
119	64.6	32.3	96.8





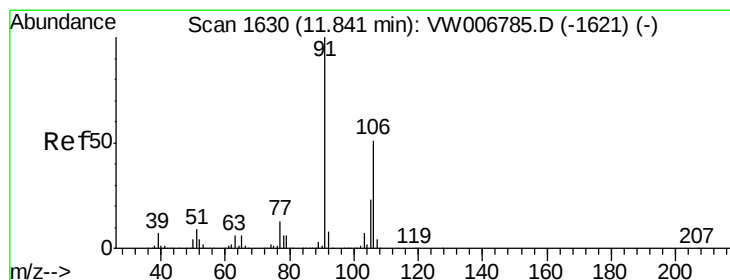
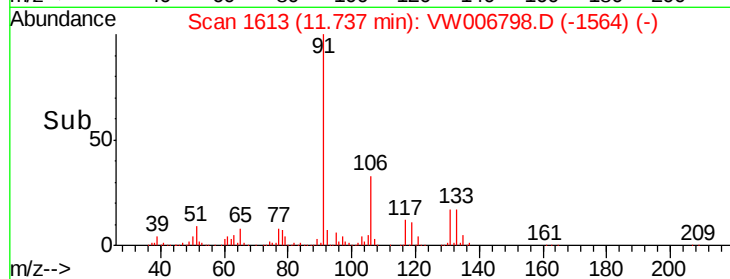
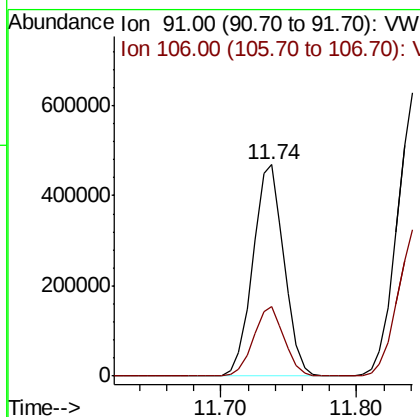
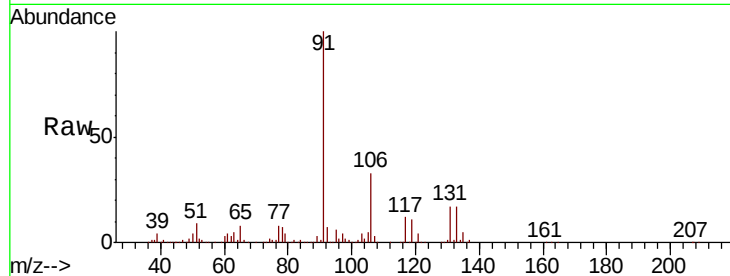
#67
Ethyl Benzene
Concen: 53.186 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion: 91 Resp: 750258
Ion Ratio Lower Upper
91 100
106 32.7 26.3 39.5

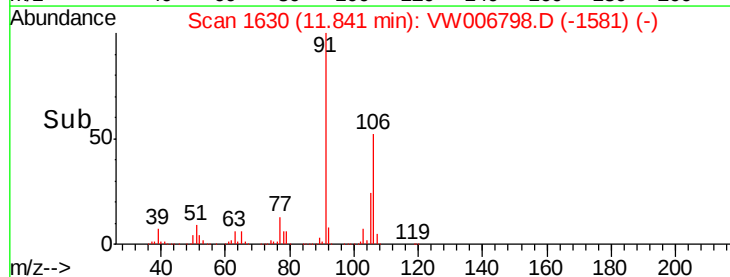
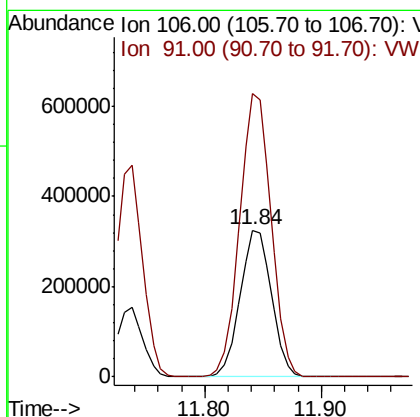
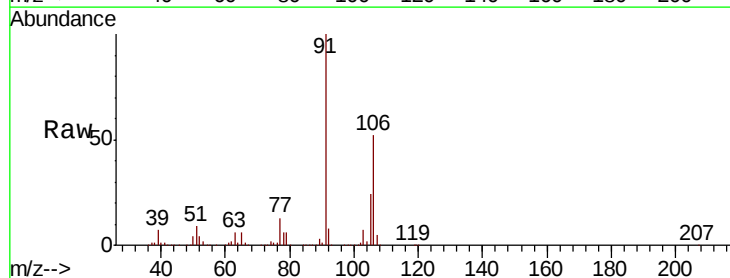
Manual Integrations
APPROVED

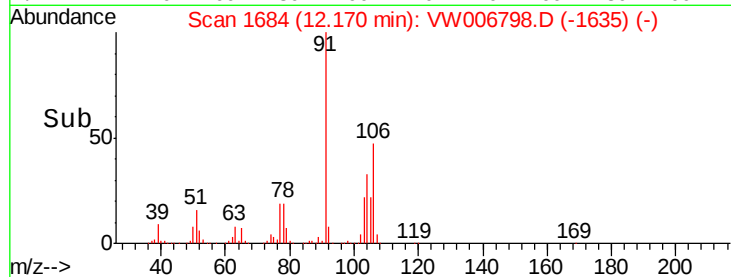
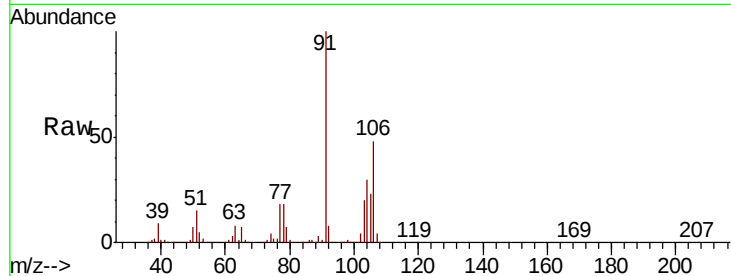
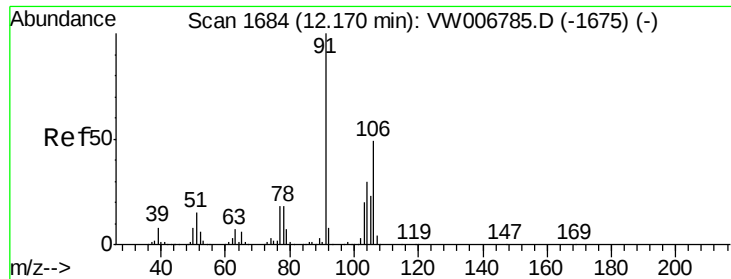
apatel
11/12/2018 3:41:22 PM



#68
m/p-Xylenes
Concen: 106.169 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion: 106 Resp: 610872
Ion Ratio Lower Upper
106 100
91 193.9 155.3 232.9





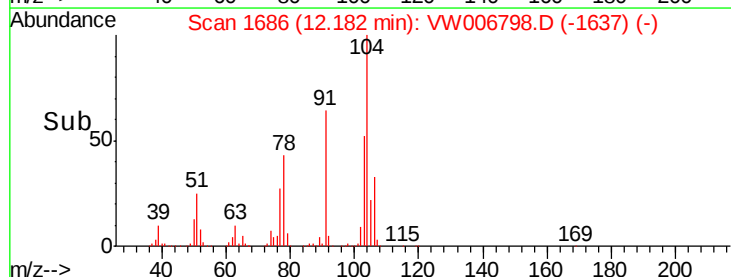
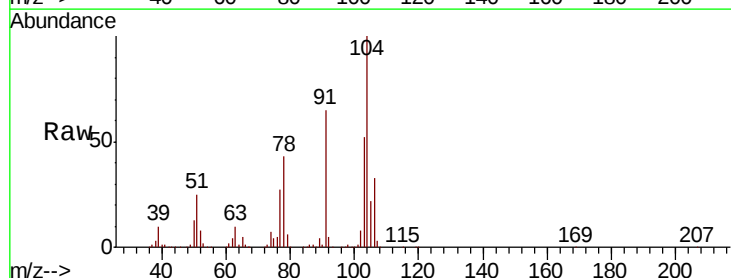
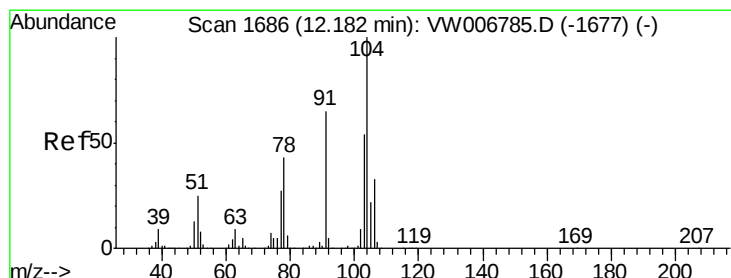
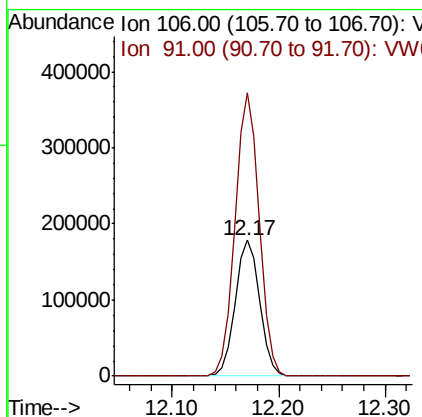
#69
o-Xylene
Concen: 54.322 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tot Ion:106 Resp: 287749
Ion Ratio Lower Upper
106 100
91 205.8 103.0 308.9

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

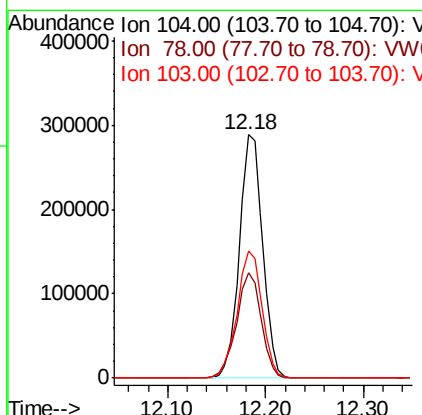
Manual Integrations
APPROVED

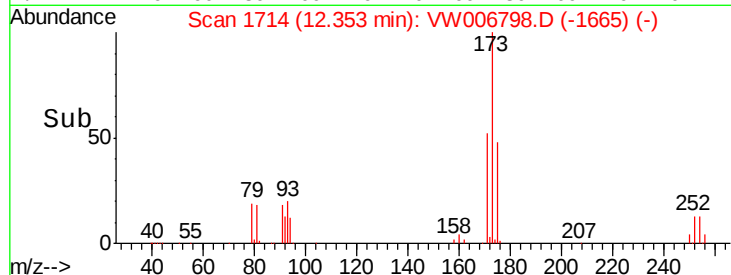
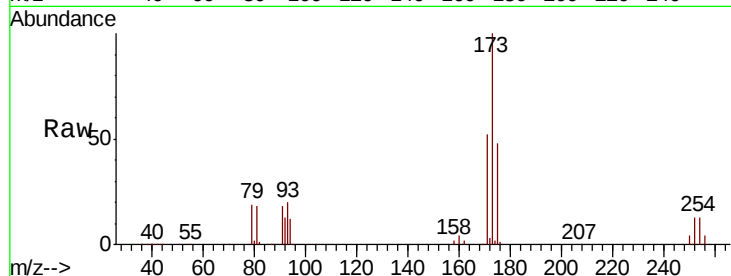
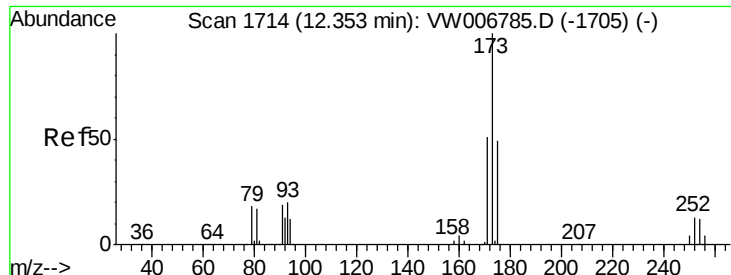
apatel
11/12/2018 3:41:22 PM



#70
Styrene
Concen: 55.337 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion:104 Resp: 476451
Ion Ratio Lower Upper
104 100
78 46.3 37.1 55.7
103 55.8 44.4 66.6





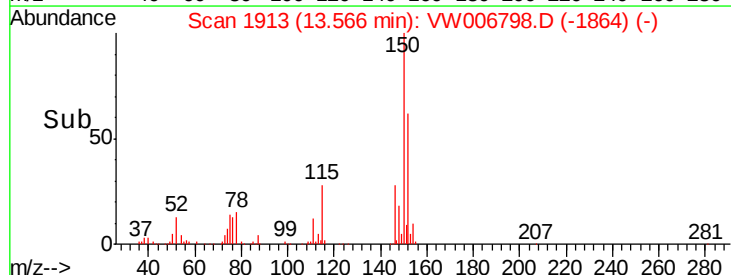
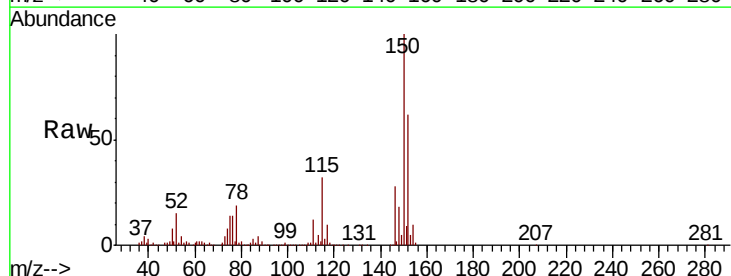
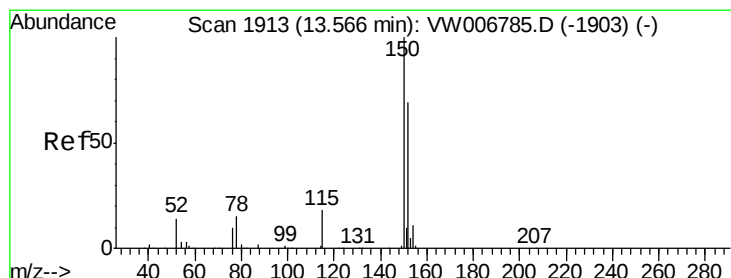
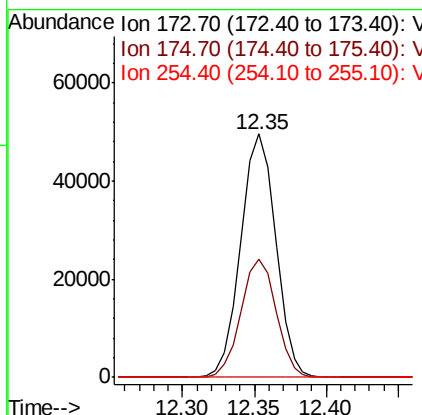
#71
Bromoform
Concen: 56.292 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.1	0.1	0.1

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

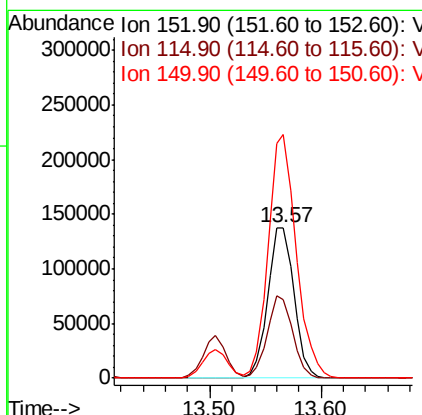
Manual Integrations
APPROVED

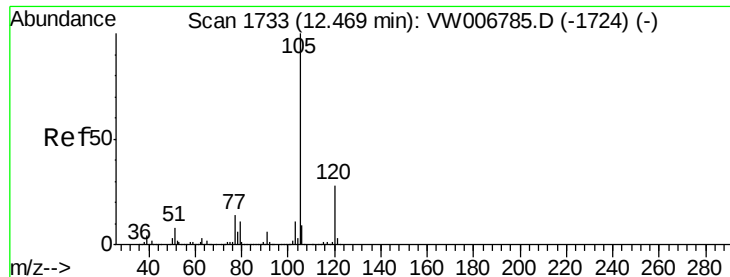
apatel
11/12/2018 3:41:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.7	80.0
150	172.6	0.0	348.0





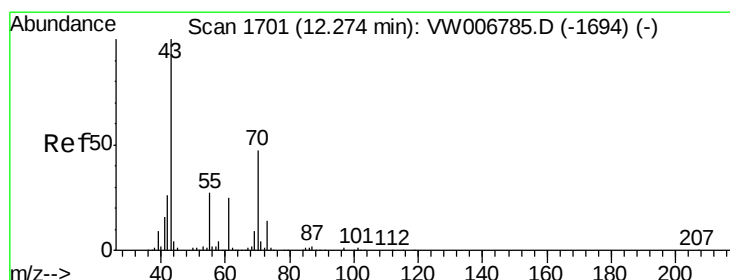
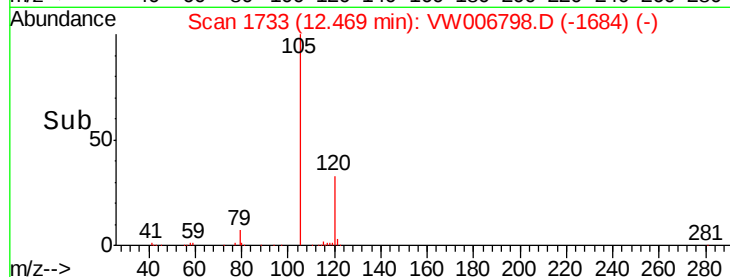
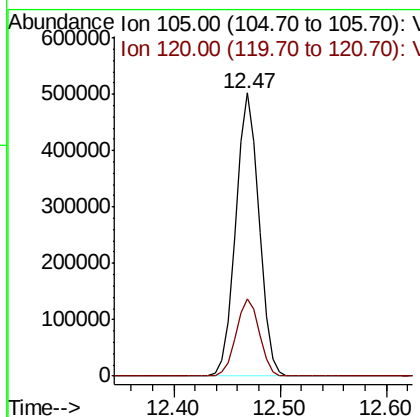
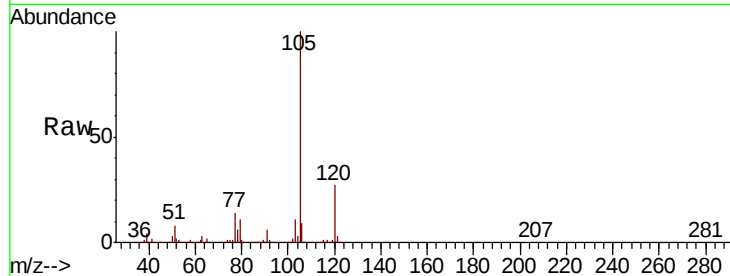
#73
Isopropylbenzene
Concen: 52.961 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.9	41.6

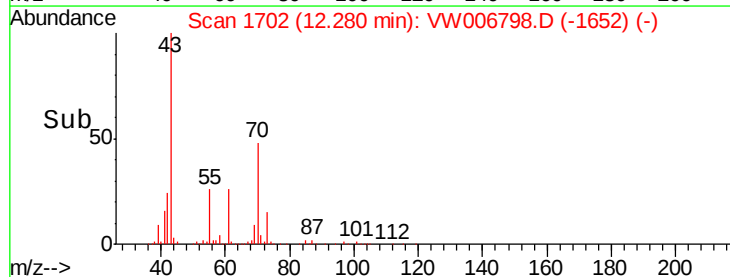
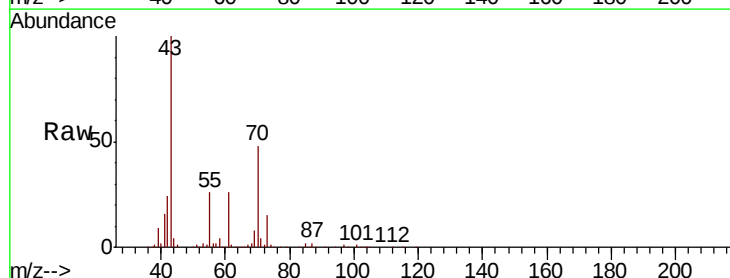
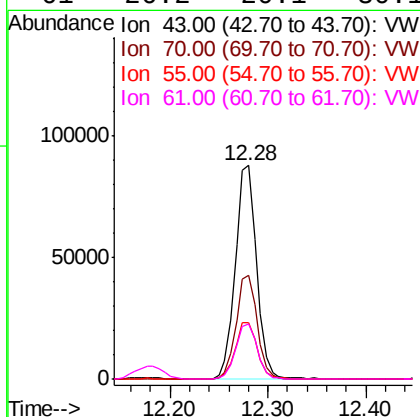
Manual Integrations
APPROVED

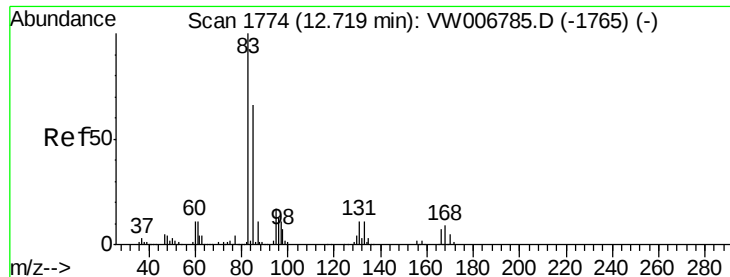
apatel
11/12/2018 3:41:22 PM



#74
N-ethyl acetate
Concen: 55.691 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. 0.01 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	48.2	38.3	57.5
55	27.2	22.3	33.5
61	26.2	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 56.498 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

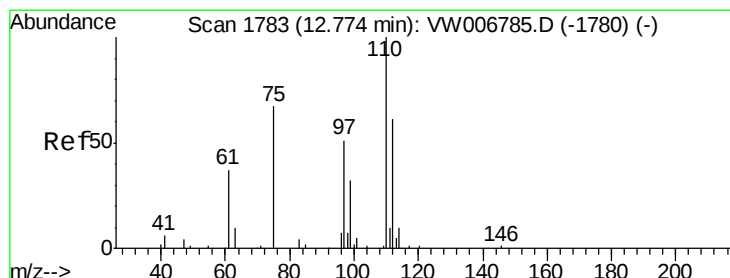
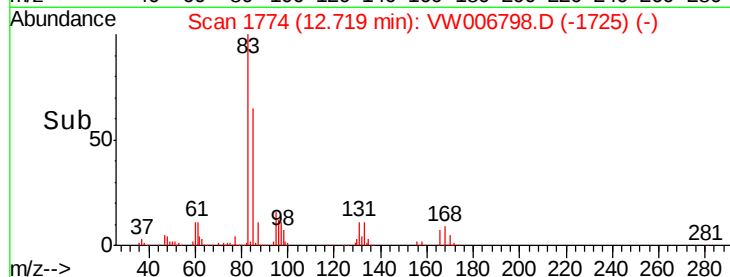
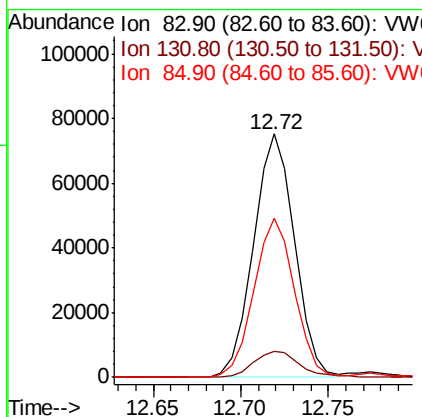
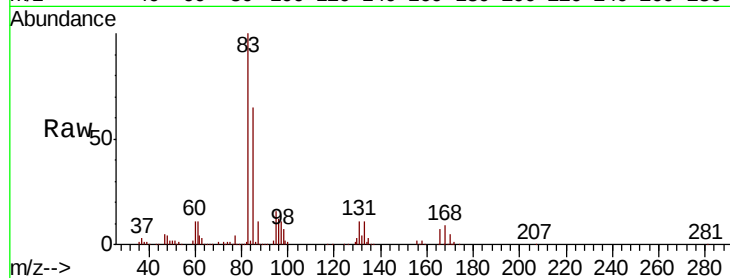
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	83	Resp:	122444
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.0	18.0
85	64.5	32.3	96.8

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#76

1,2,3-Trichloropropane

Concen: 45.789 ug/l m

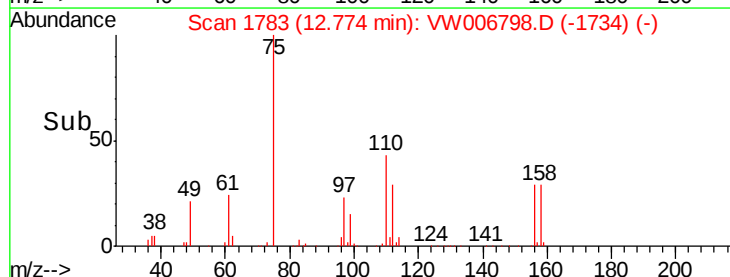
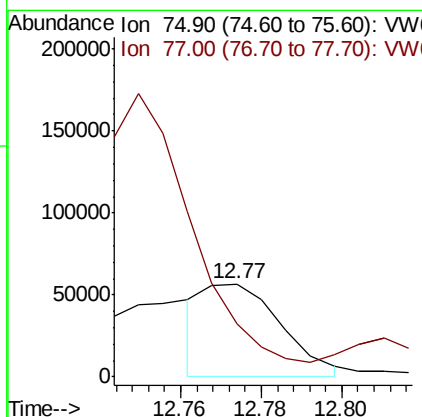
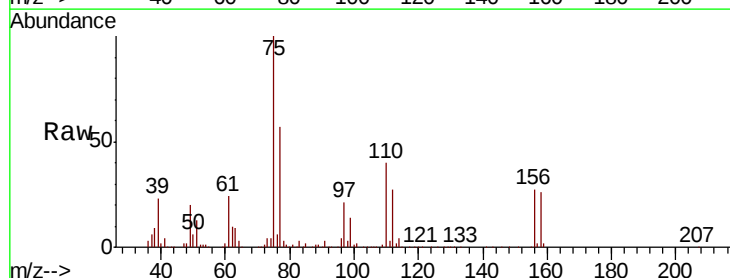
RT: 12.77 min Scan# 1783

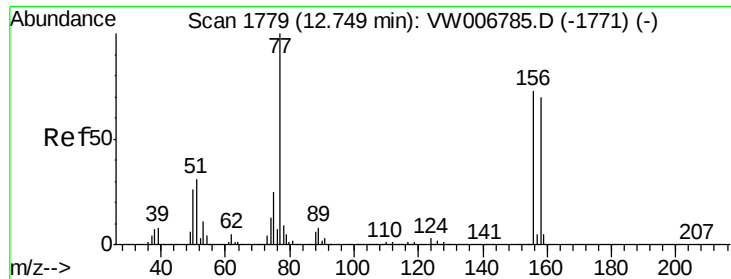
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	75	Resp:	75497
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.366 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

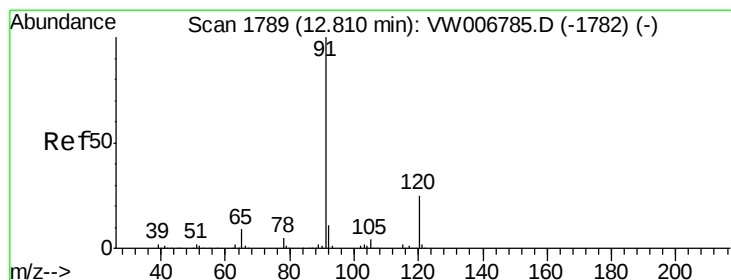
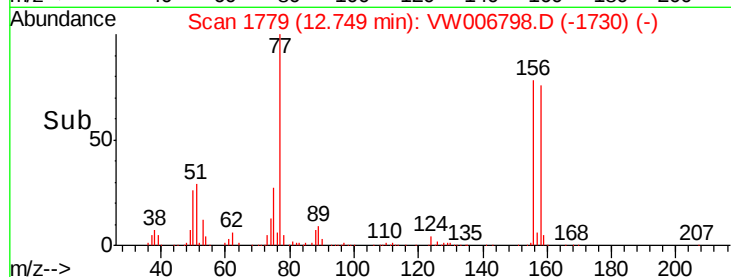
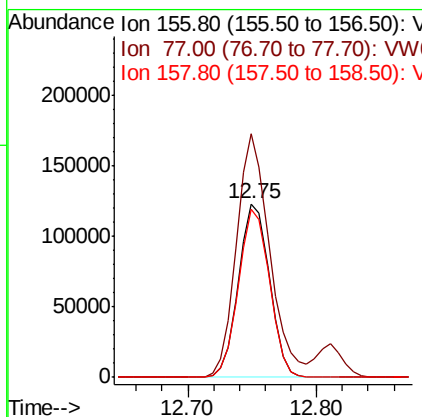
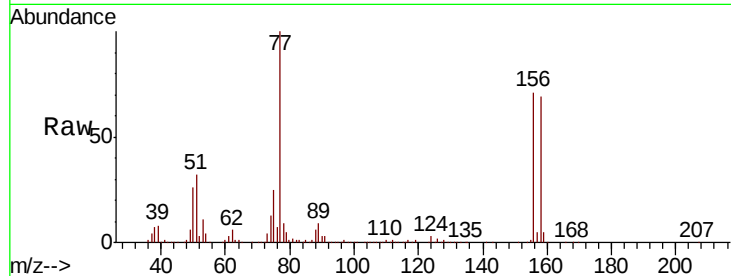
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	151.0	75.4	226.3	
158	96.9	48.7	146.1	

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#78

n-propylbenzene

Concen: 51.723 ug/l

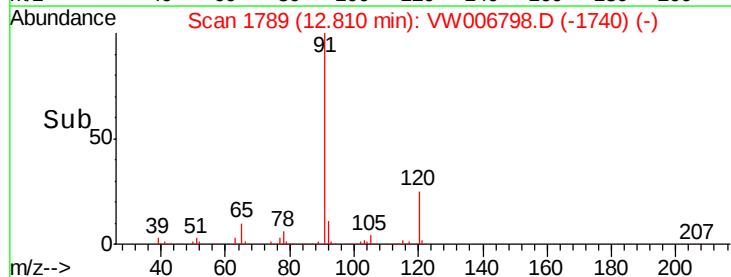
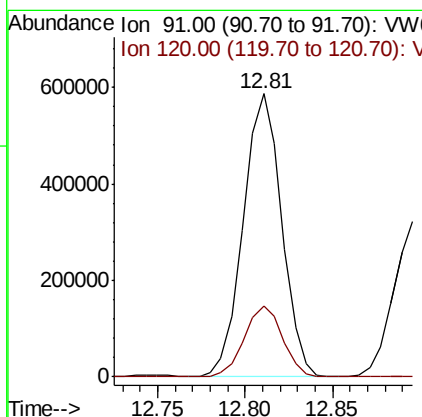
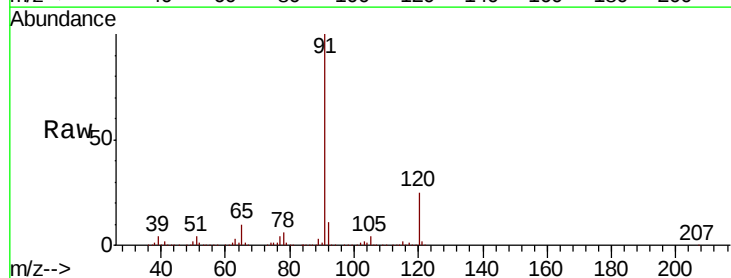
RT: 12.81 min Scan# 1789

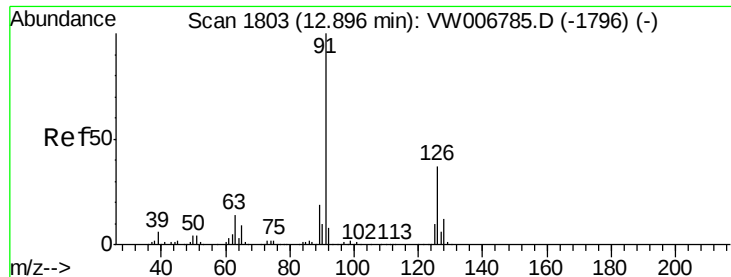
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.9	12.4	37.0	





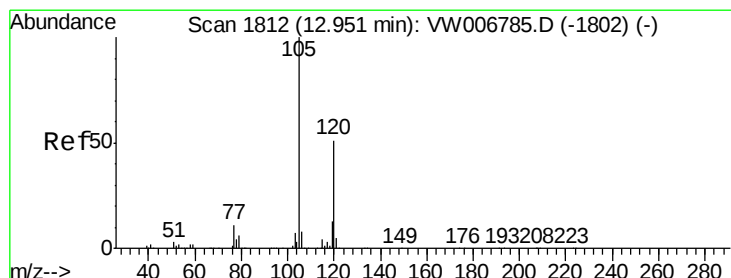
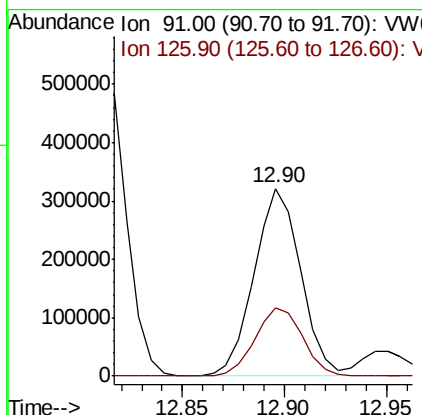
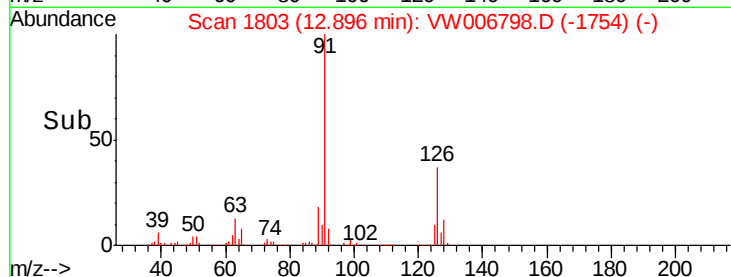
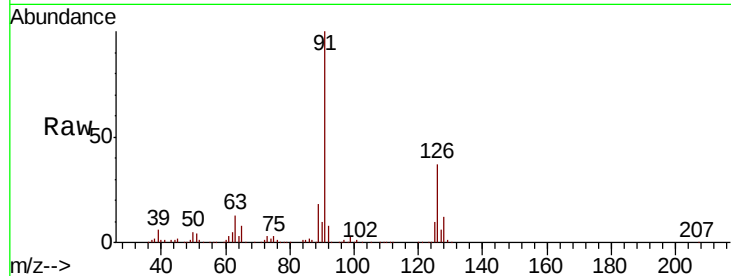
#79
2-Chlorotoluene
Concen: 52.401 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion: 91 Resp: 510235
Ion Ratio Lower Upper
91 100
126 37.4 18.4 55.2

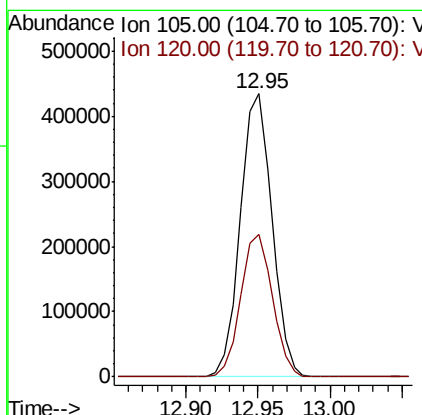
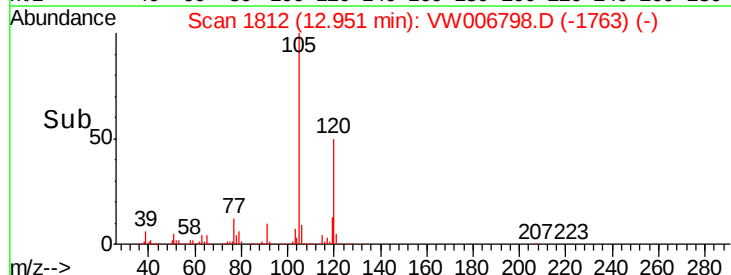
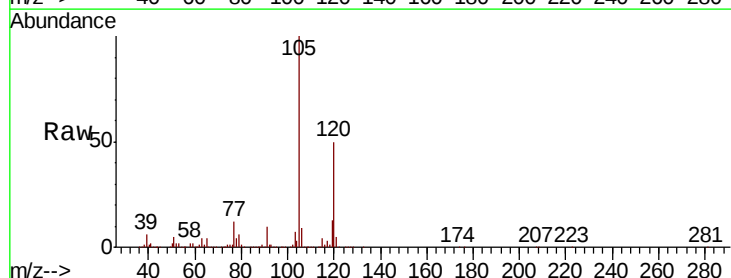
Manual Integrations
APPROVED

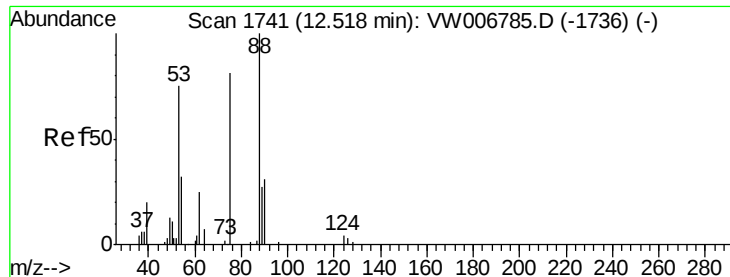
apatel
11/12/2018 3:41:22 PM



#80
1,3,5-Trimethylbenzene
Concen: 52.547 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion: 105 Resp: 662305
Ion Ratio Lower Upper
105 100
120 50.6 25.4 76.0





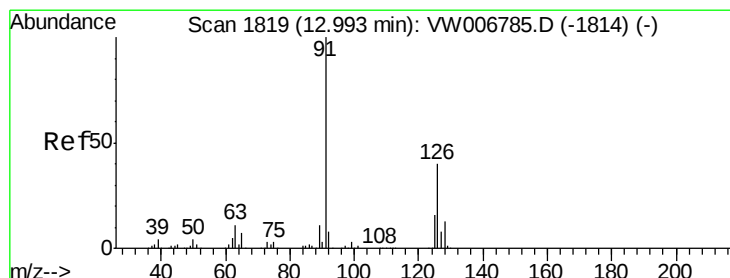
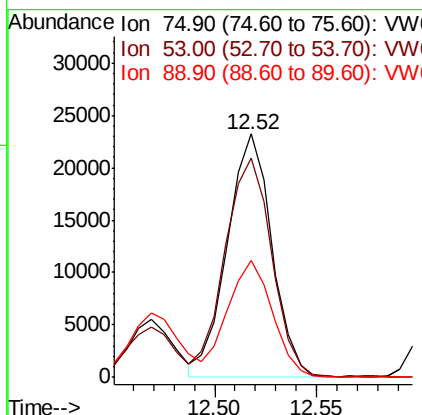
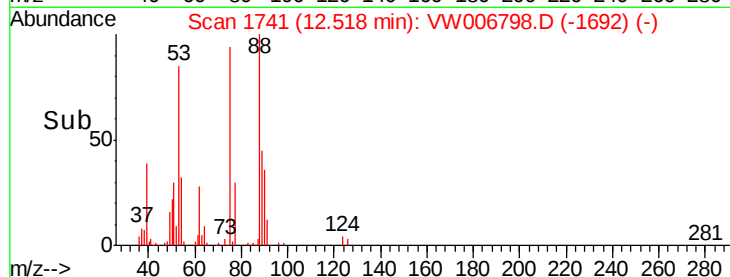
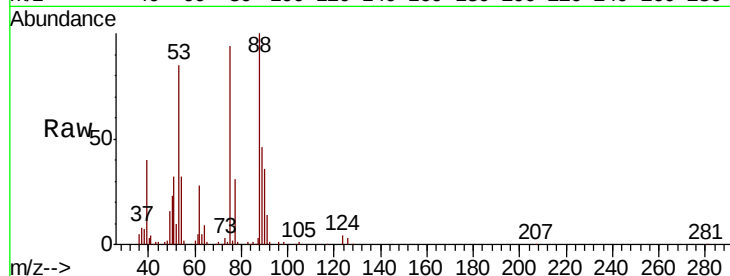
#81
trans-1,4-Dichloro-2-butene
Concen: 56.305 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	74.0	111.0
89	48.6	38.1	57.1

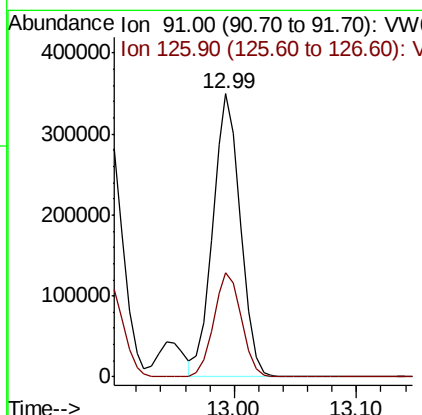
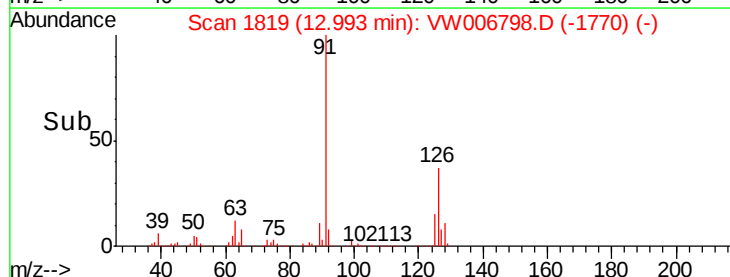
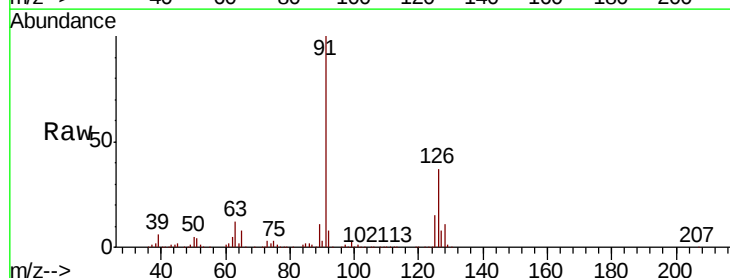
Manual Integrations
APPROVED

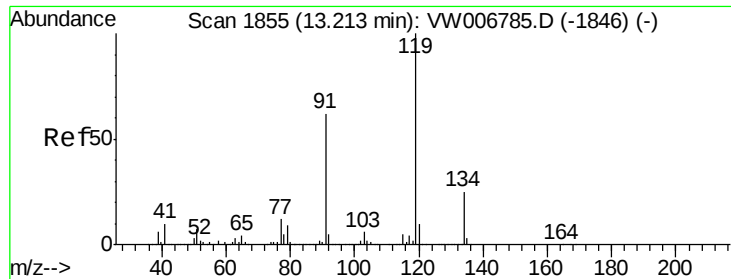
apatel
11/12/2018 3:41:22 PM



#82
4-Chlorotoluene
Concen: 52.479 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.6	55.6





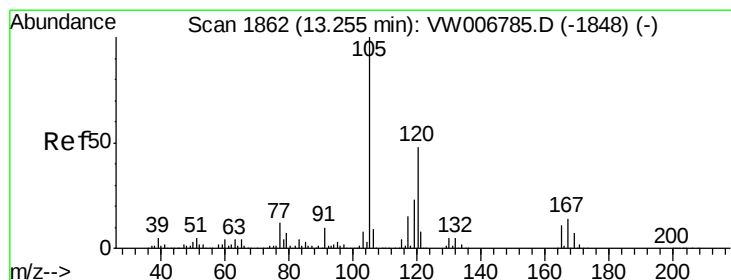
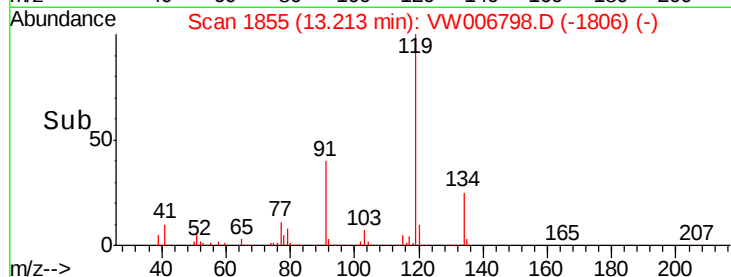
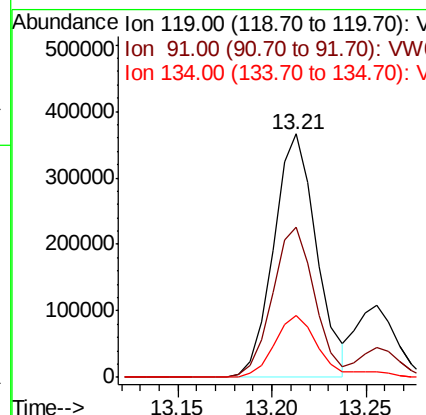
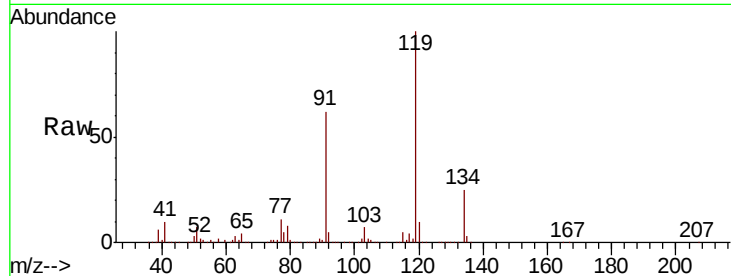
#83
 tert-Butylbenzene
 Concen: 53.097 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.4	91.2
134	26.9	13.6	40.7

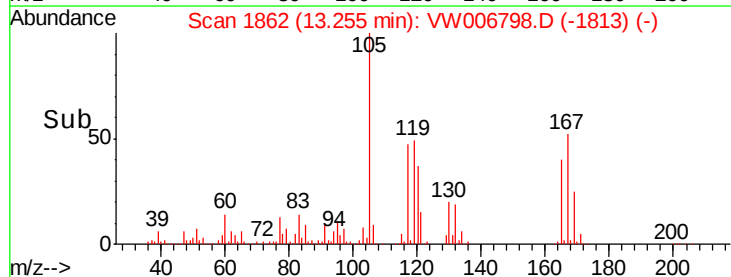
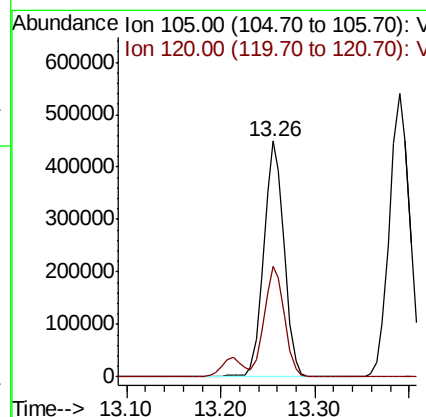
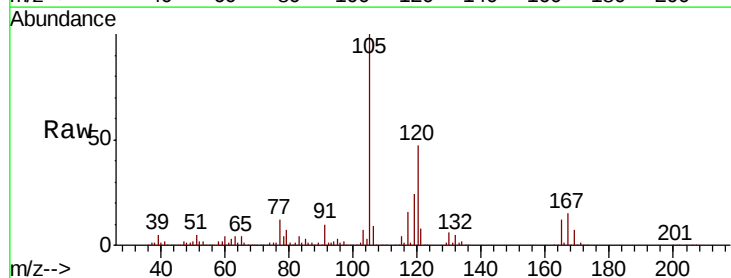
Manual Integrations
 APPROVED

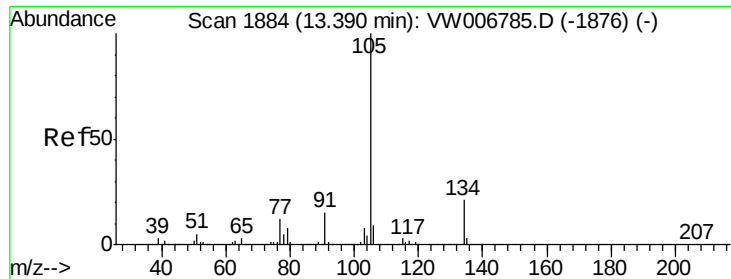
apatel
 11/12/2018 3:41:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.926 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.4	70.0





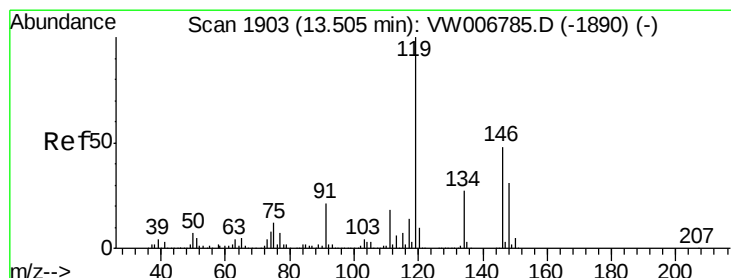
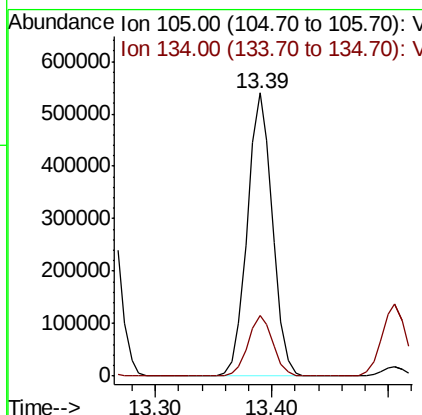
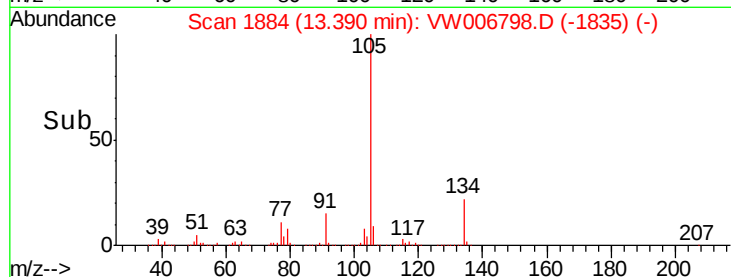
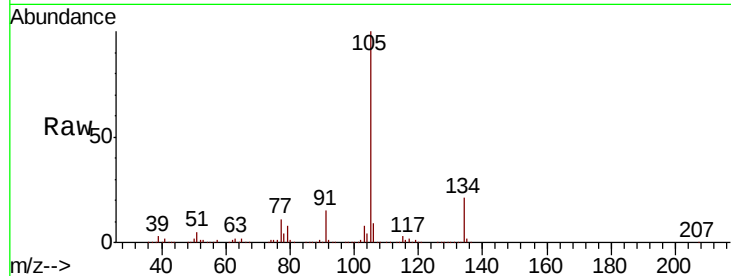
#85
 sec-Butylbenzene
 Concen: 51.931 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	32.1

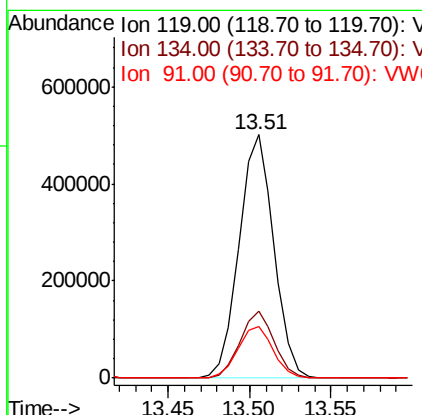
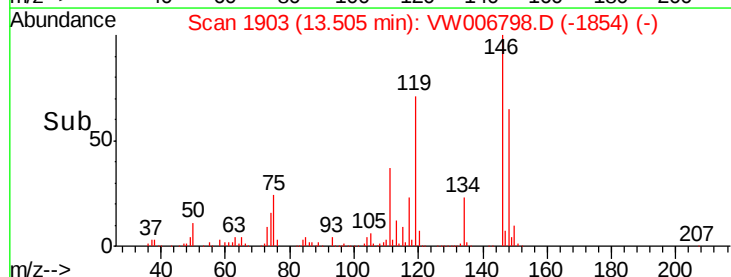
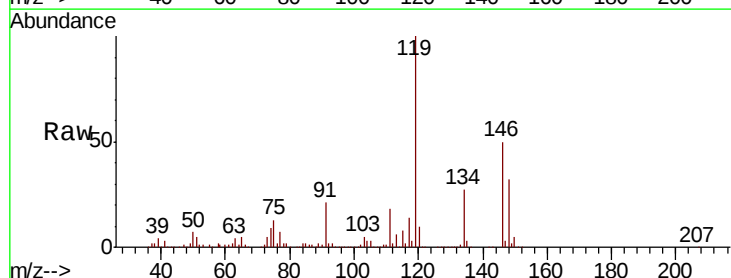
Manual Integrations
 APPROVED

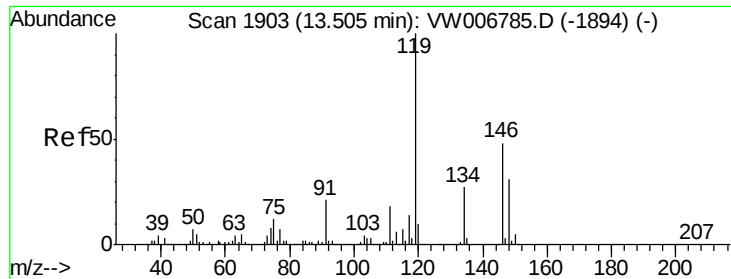
apatel
 11/12/2018 3:41:22 PM



#86
 p-Isopropyltoluene
 Concen: 52.149 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.6	40.7
91	21.5	10.8	32.4





#87

1,3-Dichlorobenzene

Concen: 52.126 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

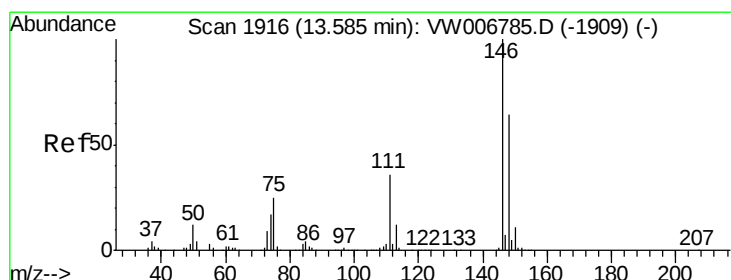
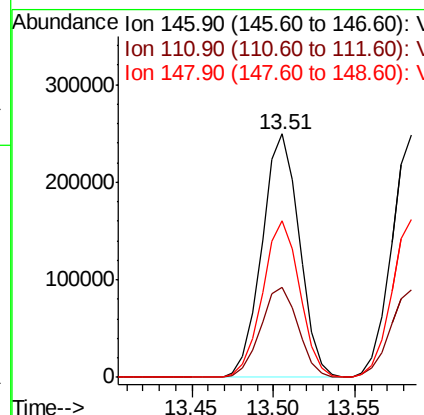
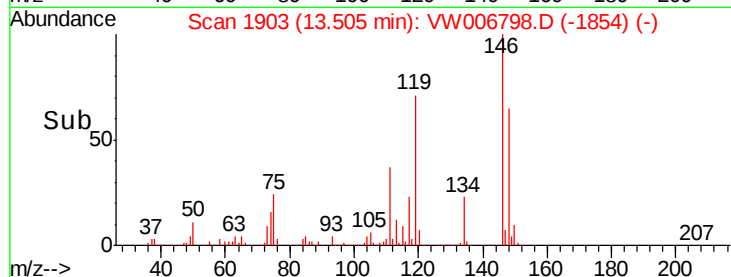
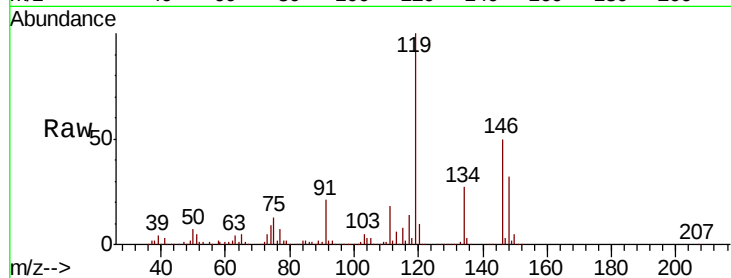
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	146	Resp:	398330
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.4	55.0
148	63.9	31.9	95.9

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#88

1,4-Dichlorobenzene

Concen: 51.670 ug/l

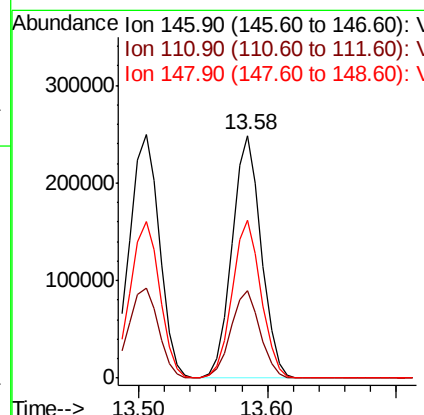
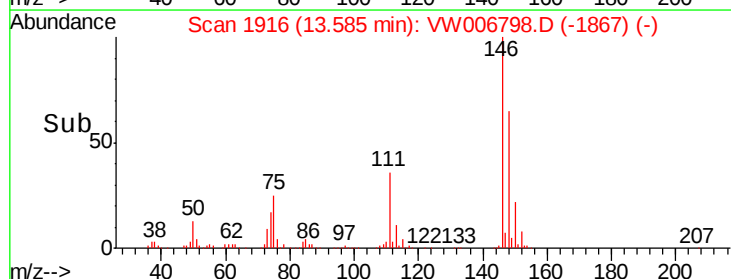
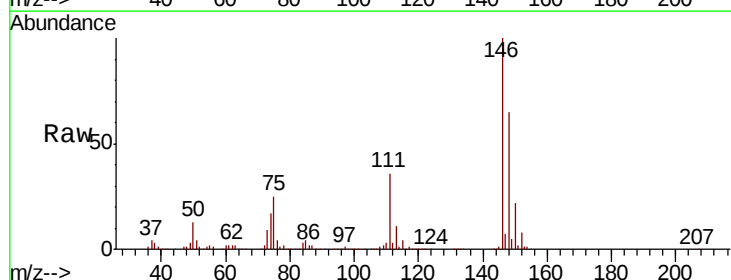
RT: 13.58 min Scan# 1916

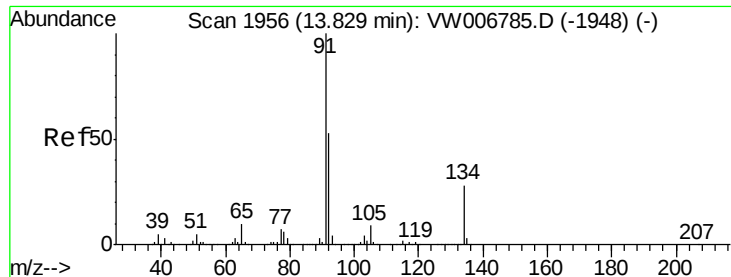
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	146	Resp:	393260
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.1	54.1
148	64.6	32.2	96.6





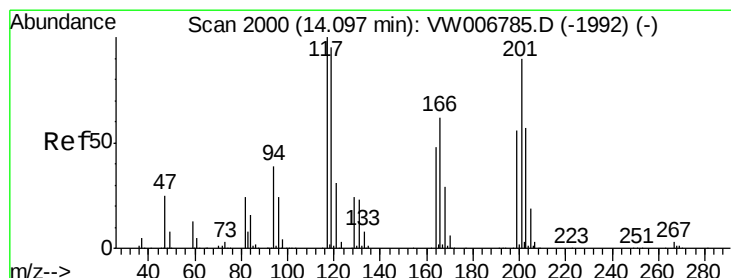
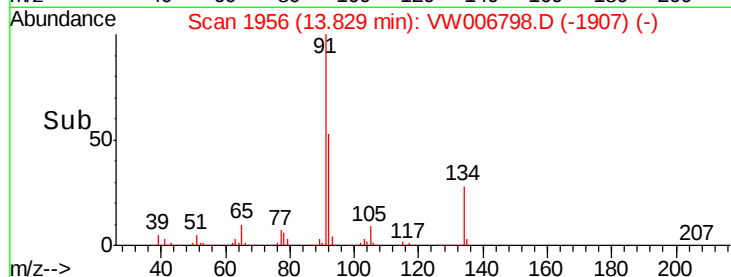
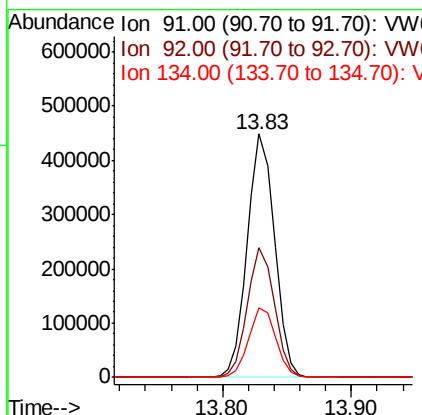
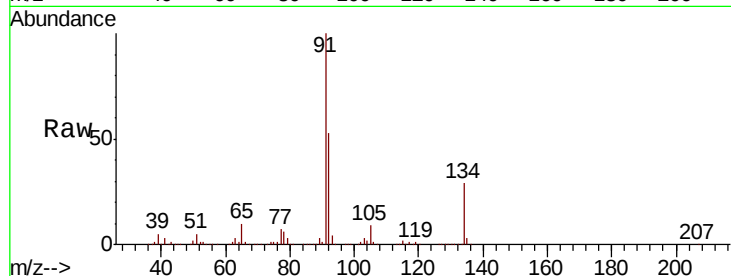
#89
n-Butylbenzene
Concen: 49.904 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Instrument :
MSVOA_W
ClientSampleId :
EP2-SB-104(15-17)

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.2
134	28.5	14.2	42.8

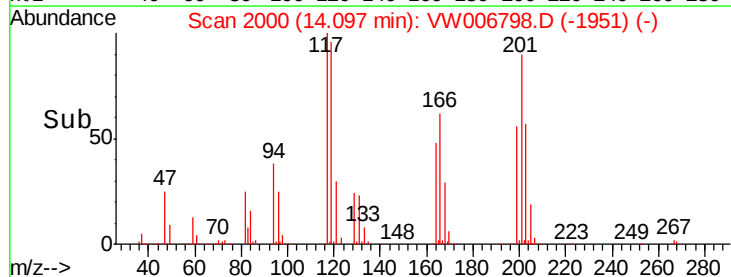
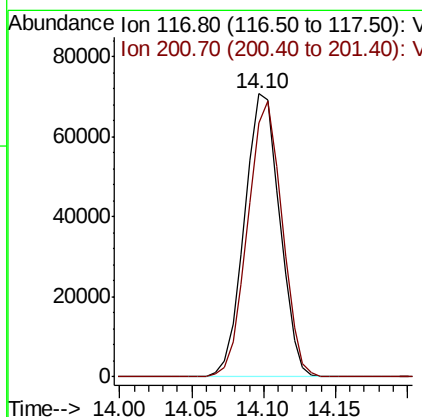
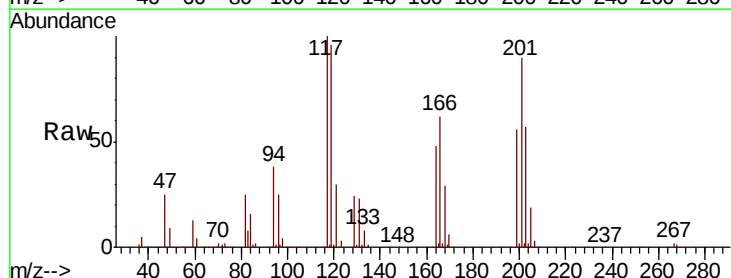
Manual Integrations
APPROVED

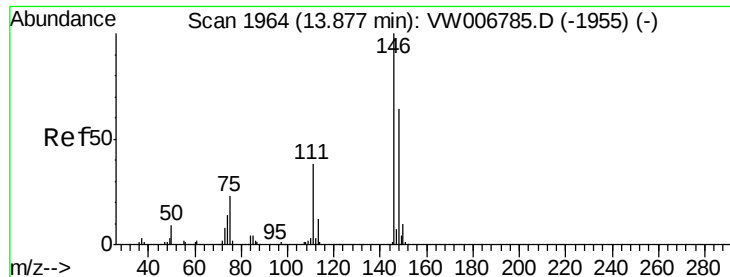
apatel
11/12/2018 3:41:22 PM



#90
Hexachloroethane
Concen: 53.645 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006798.D
Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.8	47.0	141.2





#91

1,2-Dichlorobenzene

Concen: 53.685 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

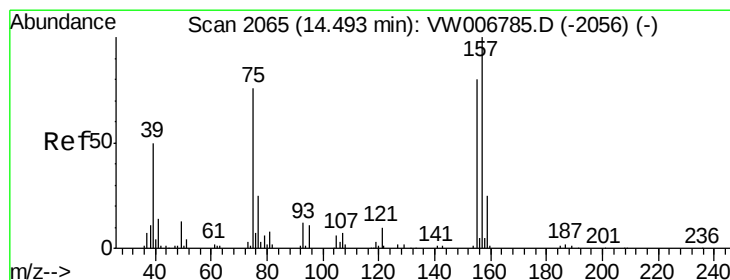
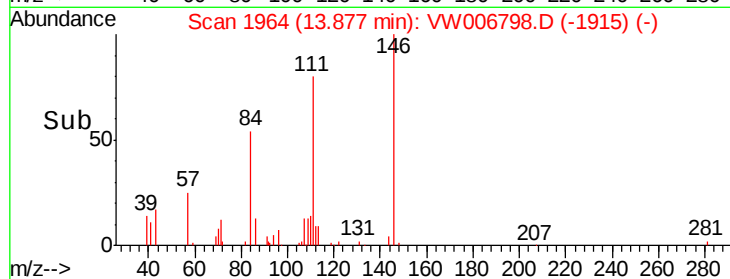
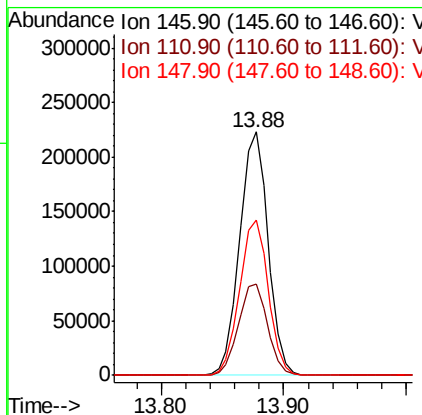
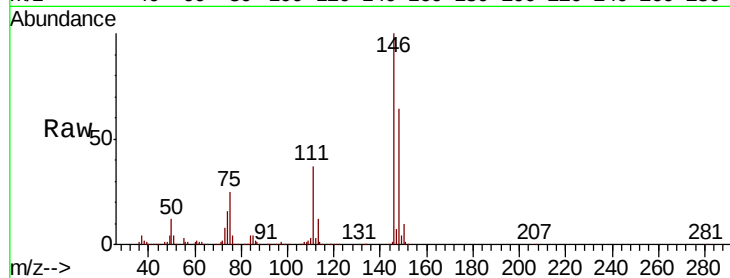
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	146	Resp:	358891
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.1	57.3
148	64.5	32.0	96.2

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.977 ug/l

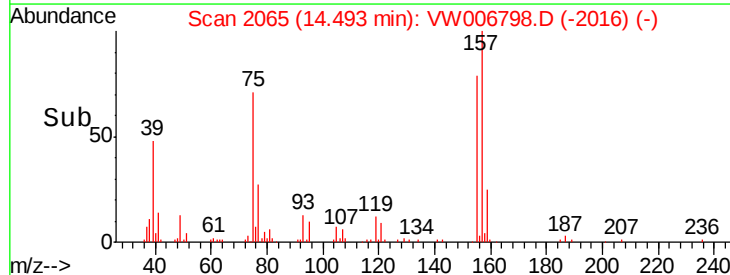
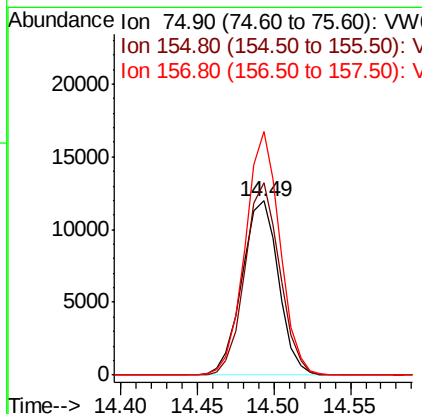
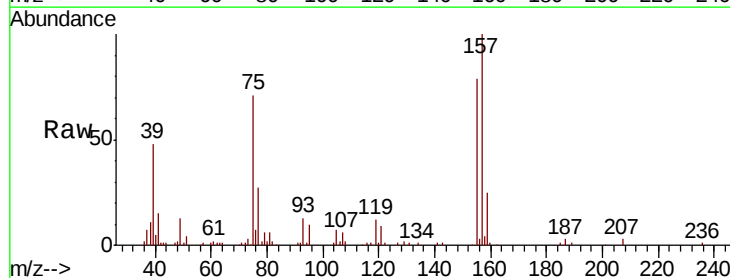
RT: 14.49 min Scan# 2065

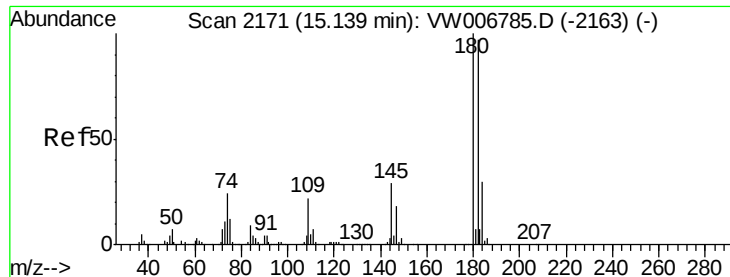
Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	75	Resp:	19939
Ion Ratio	Lower	Upper	
75	100		
155	104.8	51.0	153.1
157	131.9	65.5	196.5





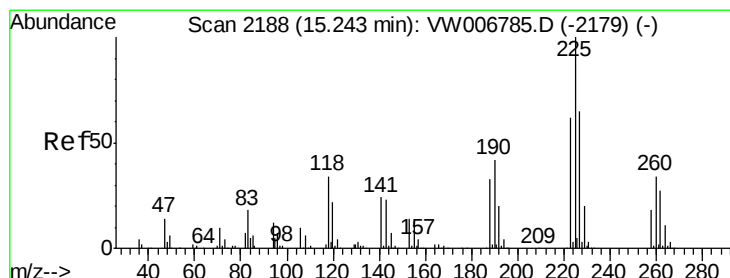
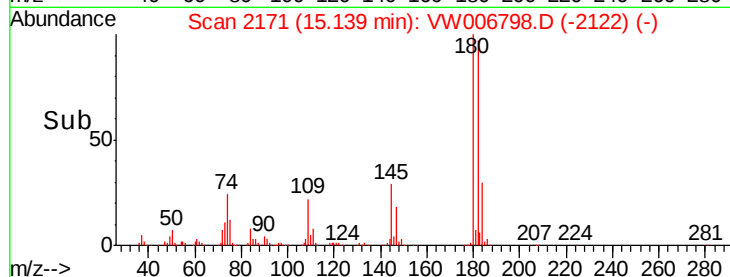
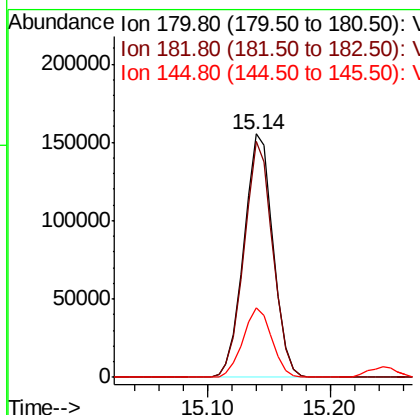
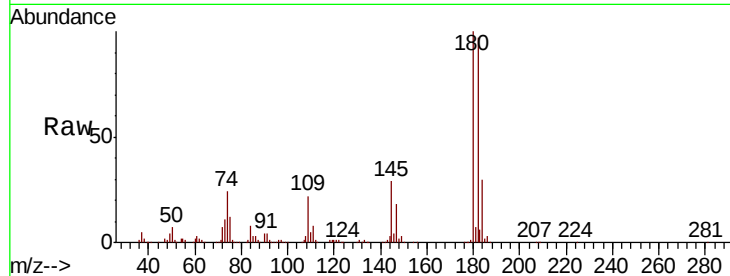
#93
 1,2,4-Trichlorobenzene
 Concen: 52.140 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Instrument :
 MSVOA_W
 ClientSampleId :
 EP2-SB-104(15-17)

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258028		
182	95.0	47.9	143.8	
145	28.1	14.1	42.3	

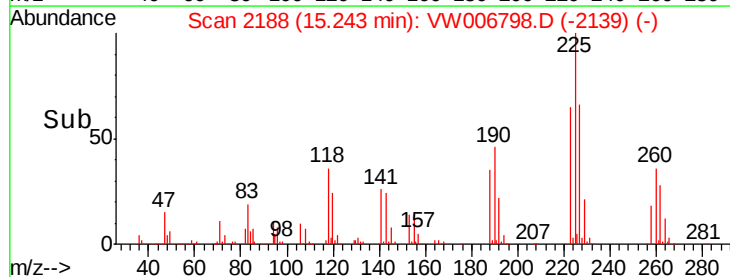
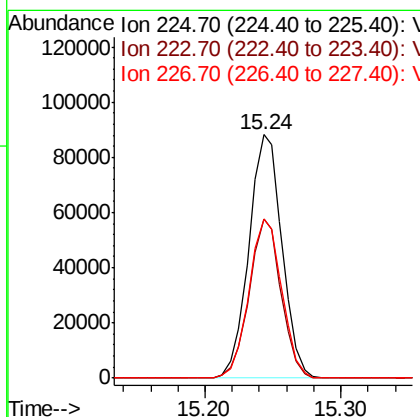
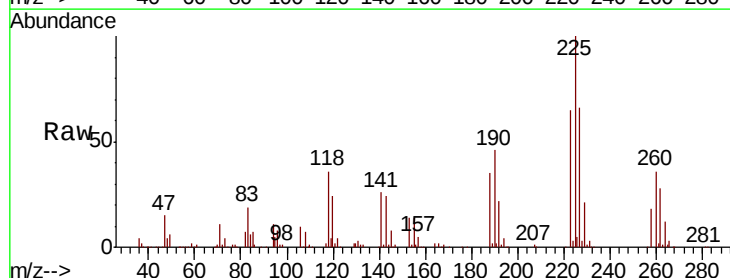
Manual Integrations
 APPROVED

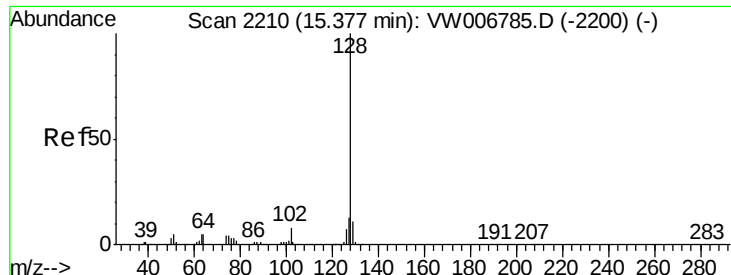
apatel
 11/12/2018 3:41:22 PM



#94
 Hexachlorobutadiene
 Concen: 48.210 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006798.D
 Acq: 09 Nov 2018 20:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150148		
223	62.8	30.9	92.5	
227	65.0	31.9	95.7	





#95

Naphthalene

Concen: 58.990 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Instrument :

MSVOA_W

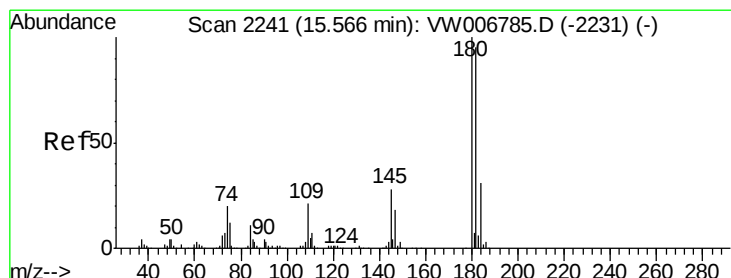
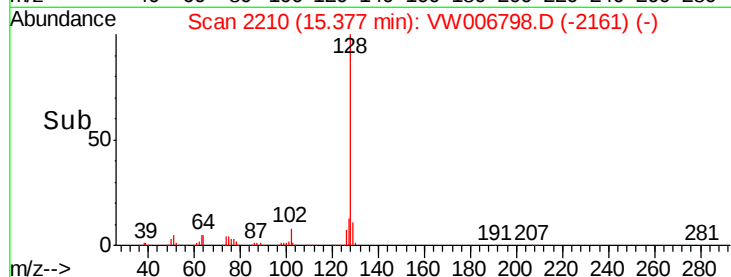
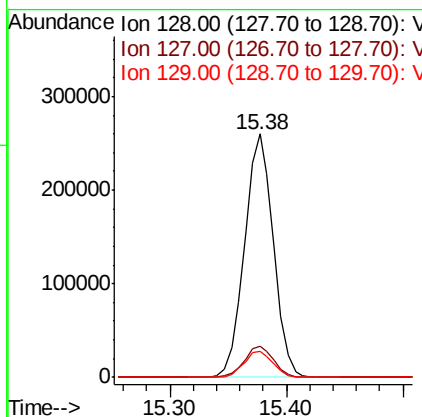
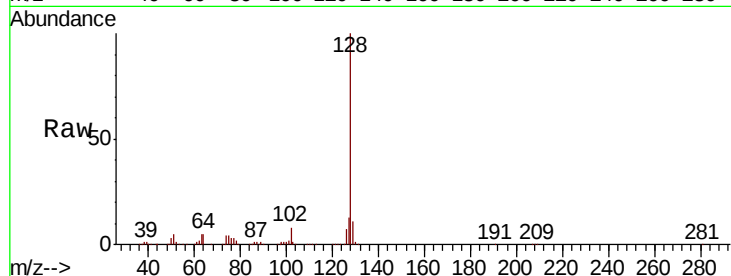
ClientSampleId :

EP2-SB-104(15-17)

Tot Ion:	128	Resp:	446686
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
11/12/2018 3:41:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.953 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006798.D

Acq: 09 Nov 2018 20:40

Tgt Ion:	180	Resp:	230968
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.8	143.4
145	29.8	14.5	43.6

