

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091618\
 Data File : VW005402.D
 Acq On : 14 Sep 2018 23:41
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/17/2018 2:23:51 PM

Quant Time: Sep 15 02:28:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	212325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	314121	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	306490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	165224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	45428	27.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.36%	
35) Dibromofluoromethane	7.90	113	36785	22.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	44.60%	
50) Toluene-d8	10.33	98	164052	19.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.96%	
62) 4-Bromofluorobenzene	12.62	95	62026	20.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	46648	25.04	ug/l	97
3) Chloromethane	2.21	50	55141	22.45	ug/l	96
4) Vinyl Chloride	2.36	62	50465	22.28	ug/l	98
5) Bromomethane	2.78	94	37686	24.39	ug/l	96
6) Chloroethane	2.92	64	28985	22.90	ug/l	99
7) Trichlorofluoromethane	3.26	101	66857	25.31	ug/l	96
8) Diethyl Ether	3.69	74	19499	21.39	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.07	101	38674	21.28	ug/l	99
10) Methyl Iodide	4.28	142	39808	19.78	ug/l	99
11) Tert butyl alcohol	5.22	59	16213m	123.28	ug/l	
12) 1,1-Dichloroethene	4.04	96	35015	20.99	ug/l	97
13) Acrolein	3.91	56	12289	101.71	ug/l	95
14) Allyl chloride	4.68	41	63047	23.74	ug/l	99
15) Acrylonitrile	5.39	53	45668	110.94	ug/l	99
16) Acetone	4.15	43	37811	125.39	ug/l	99
17) Carbon Disulfide	4.39	76	118197	20.23	ug/l	100
18) Methyl Acetate	4.68	43	22060	24.26	ug/l	99
19) Methyl tert-butyl Ether	5.44	73	94983	23.26	ug/l	95
20) Methylene Chloride	4.92	84	52813	21.02	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	41553	21.22	ug/l	95
22) Diisopropyl ether	6.32	45	128115	23.92	ug/l	99
23) Vinyl Acetate	6.27	43	371441	124.04	ug/l	99
24) 1,1-Dichloroethane	6.23	63	76700	23.40	ug/l	99
25) 2-Butanone	7.18	43	58444	122.66	ug/l	96
26) 2,2-Dichloropropane	7.18	77	68343	24.01	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	44653	21.23	ug/l	99
28) Bromochloromethane	7.52	49	28980	24.03	ug/l	99
29) Tetrahydrofuran	7.54	42	37296	117.44	ug/l	100
30) Chloroform	7.68	83	78357	23.81	ug/l	97
31) Cyclohexane	7.96	56	73246	21.60	ug/l	93
32) 1,1,1-Trichloroethane	7.88	97	75352	25.17	ug/l	98
36) 1,1-Dichloropropene	8.09	75	63330	21.90	ug/l	99
37) Ethyl Acetate	7.26	43	27271	24.40	ug/l	98
38) Carbon Tetrachloride	8.07	117	67192	24.37	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091618\
 Data File : VW005402.D
 Acq On : 14 Sep 2018 23:41
 Operator : SY/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 9/17/2018 2:23:51 PM

Quant Time: Sep 15 02:28:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 15 02:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	70648	18.79	ug/l	99
40) Benzene	8.33	78	179779	21.21	ug/l	100
41) Methacrylonitrile	7.49	41	15314	26.26	ug/l	97
42) 1,2-Dichloroethane	8.41	62	58250	27.24	ug/l	100
43) Isopropyl Acetate	8.43	43	49971	23.94	ug/l	100
44) Trichloroethene	9.10	130	47208	20.51	ug/l	97
45) 1,2-Dichloropropane	9.37	63	44519	21.86	ug/l	100
46) Dibromomethane	9.46	93	22123	22.02	ug/l	98
47) Bromodichloromethane	9.65	83	58411	23.43	ug/l	99
48) Methyl methacrylate	9.45	41	24256	22.55	ug/l	99
49) 1,4-Dioxane	9.47	88	7000	383.85	ug/l #	93
51) 4-Methyl-2-Pentanone	10.22	43	130242	112.37	ug/l	99
52) Toluene	10.40	92	123165	20.11	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	57362	21.57	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	66382	21.06	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31418	19.96	ug/l	98
56) Ethyl methacrylate	10.65	69	40090	20.02	ug/l	97
57) 1,3-Dichloropropane	10.94	76	56225	21.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	93056	106.41	ug/l	99
59) 2-Hexanone	10.98	43	88589	106.46	ug/l	99
60) Dibromochloromethane	11.13	129	38307	21.62	ug/l	99
61) 1,2-Dibromoethane	11.24	107	28305	19.62	ug/l	99
64) Tetrachloroethene	10.87	164	47151	20.79	ug/l	97
65) Chlorobenzene	11.66	112	136423	20.47	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	42412	21.06	ug/l	97
67) Ethyl Benzene	11.74	91	238164	20.46	ug/l	98
68) m/p-Xylenes	11.85	106	185483	39.77	ug/l	100
69) o-Xylene	12.17	106	85842	19.82	ug/l	100
70) Styrene	12.19	104	142618	20.12	ug/l	99
71) Bromoform	12.35	173	23005	21.15	ug/l #	99
73) Isopropylbenzene	12.47	105	234440	20.21	ug/l	100
74) N-amyl acetate	12.28	43	49225	21.84	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	34496	19.87	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31723m	25.01	ug/l	
77) Bromobenzene	12.76	156	55503	20.21	ug/l	99
78) n-propylbenzene	12.81	91	286130	20.38	ug/l	100
79) 2-Chlorotoluene	12.90	91	168843	20.94	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	210151	21.02	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	10675	19.86	ug/l	95
82) 4-Chlorotoluene	12.99	91	181539	21.37	ug/l	99
83) tert-Butylbenzene	13.21	119	171854	19.82	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	214624	21.27	ug/l	98
85) sec-Butylbenzene	13.39	105	247856	19.92	ug/l	100
86) p-Isopropyltoluene	13.51	119	223986	20.29	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	114656	20.01	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112691	19.90	ug/l	98
89) n-Butylbenzene	13.83	91	206273	19.88	ug/l	99
90) Hexachloroethane	14.10	117	37216	20.81	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	100290	19.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6660	22.57	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091618\
Data File : VW005402.D
Acq On : 14 Sep 2018 23:41
Operator : SY/AP
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM

Quant Time: Sep 15 02:28:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:05:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	65820	18.49	ug/l	99
94) Hexachlorobutadiene	15.24	225	44111	19.35	ug/l	99
95) Naphthalene	15.38	128	107154	18.59	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	57845	18.92	ug/l	100

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

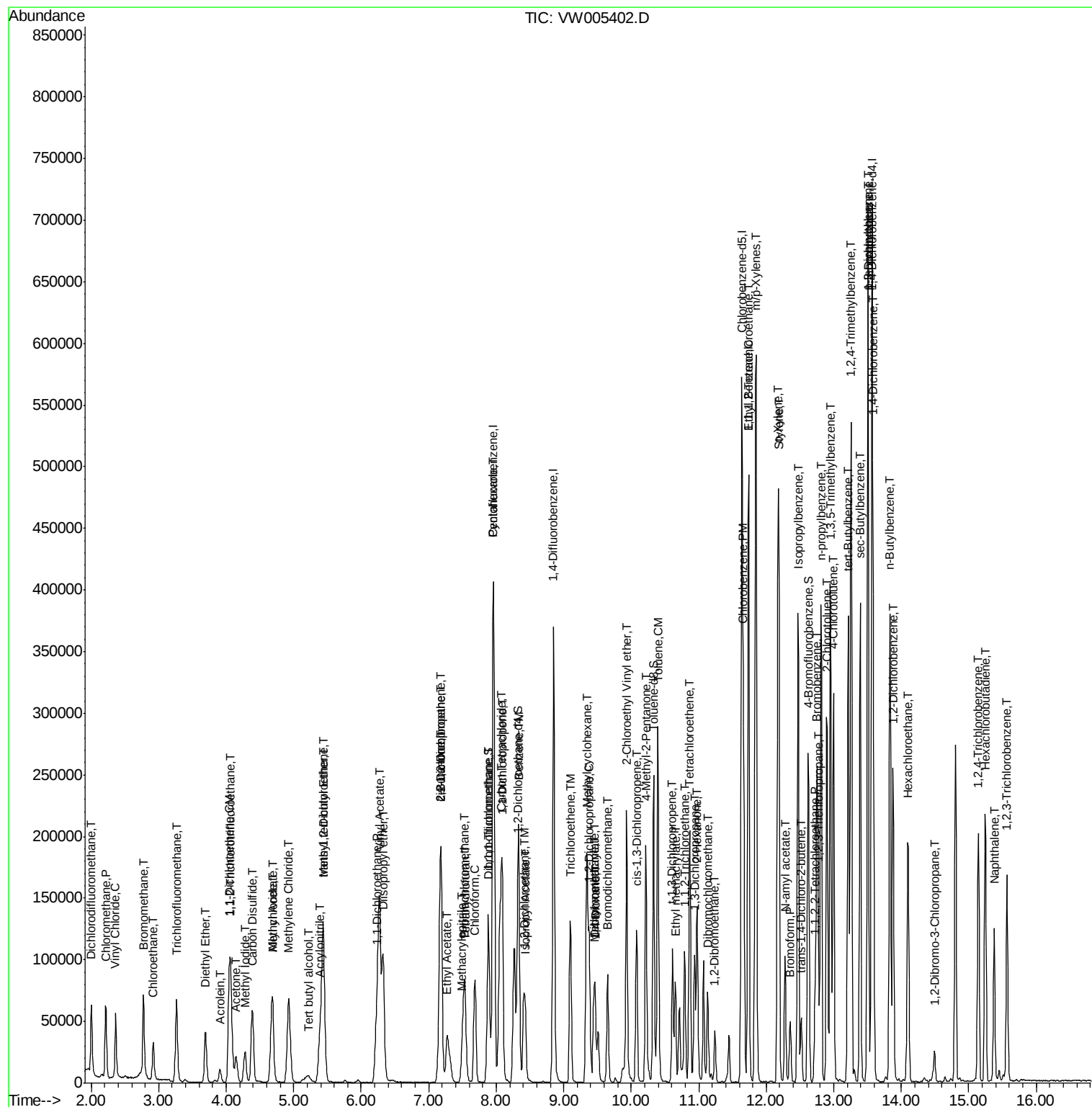
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW091618\
Data File : VW005402.D
Acq On : 14 Sep 2018 23:41
Operator : SY/AP
Sample : VSTDIC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

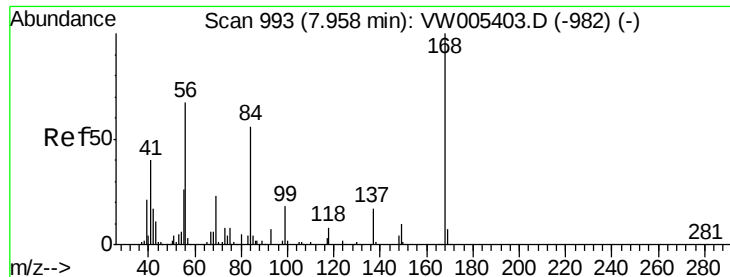
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM

Quant Time: Sep 15 02:28:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W091618S.M
Quant Title : SW846 8260
QLast Update : Sat Sep 15 02:05:37 2018
Response via : Initial Calibration





#1

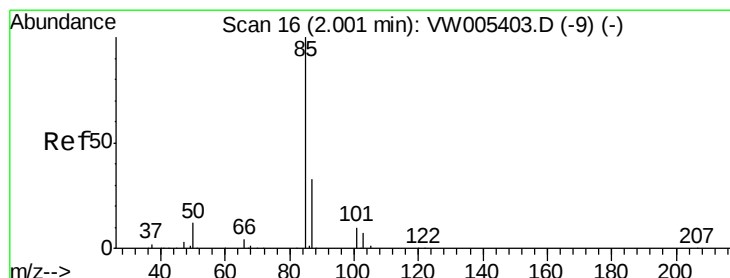
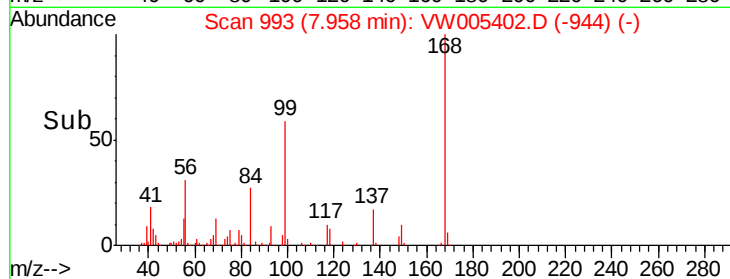
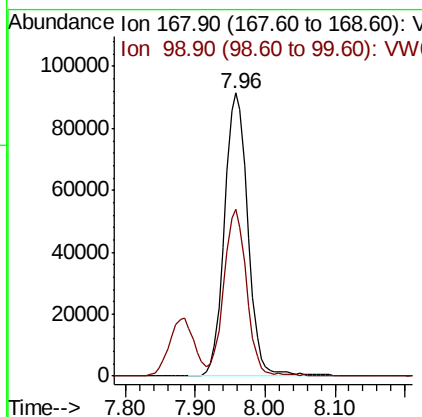
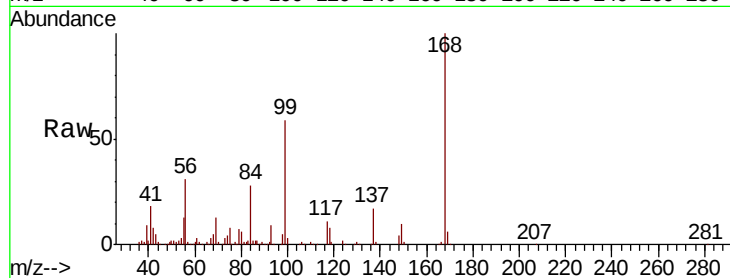
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.9	45.0	67.6

Manual Integrations
 APPROVED

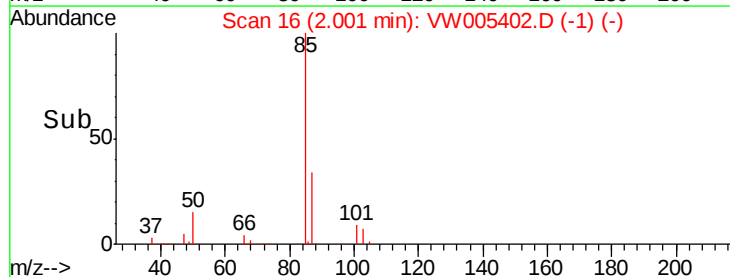
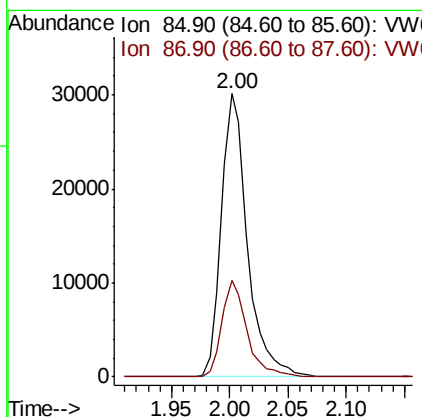
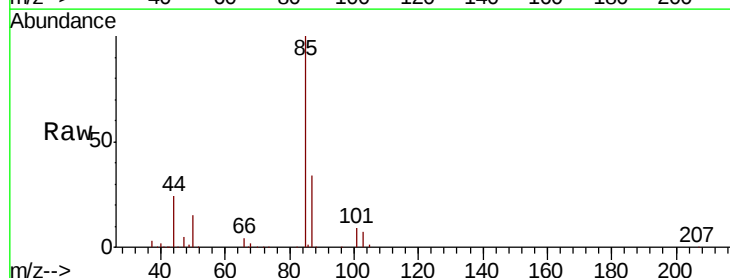
apatel
 9/17/2018 2:23:51 PM

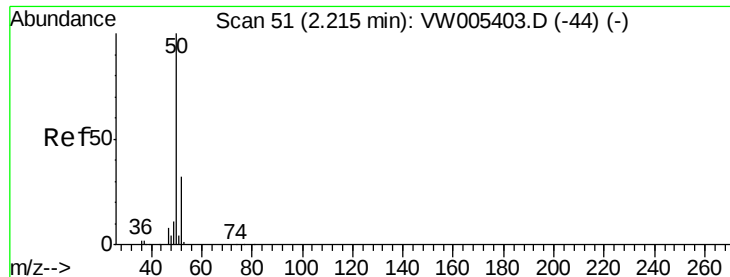


#2

Dichlorodifluoromethane
 Concen: 25.04 ug/l
 RT: 2.00 min Scan# 16
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.2	16.4	49.1





#3

Chloromethane

Concen: 22.45 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 55141

Ion Ratio Lower Upper

50 100

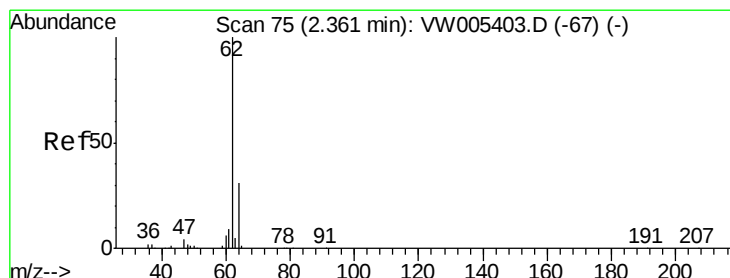
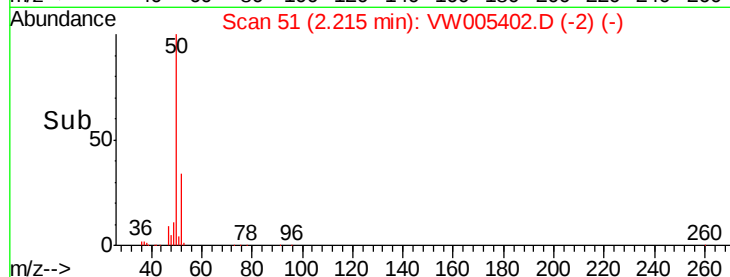
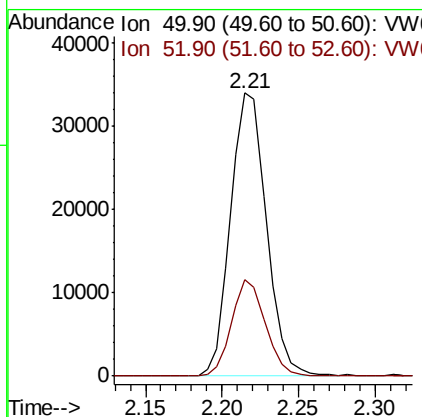
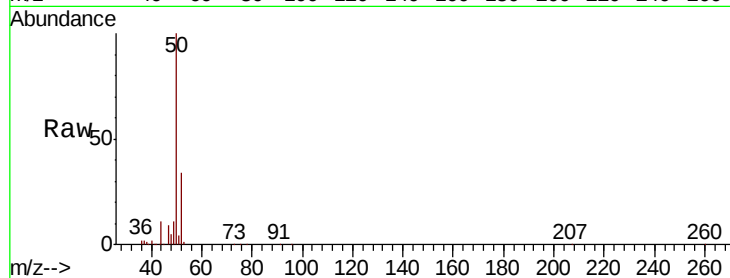
52 34.3 25.8 38.6

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#4

Vinyl Chloride

Concen: 22.28 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW005402.D

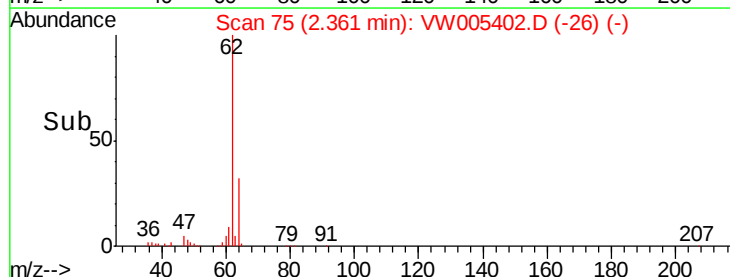
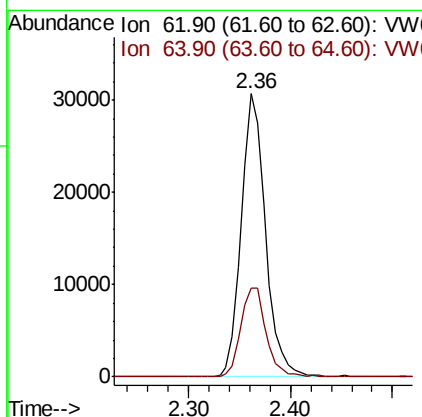
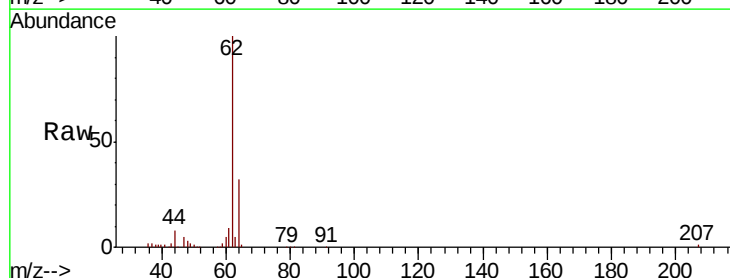
Acq: 14 Sep 2018 23:41

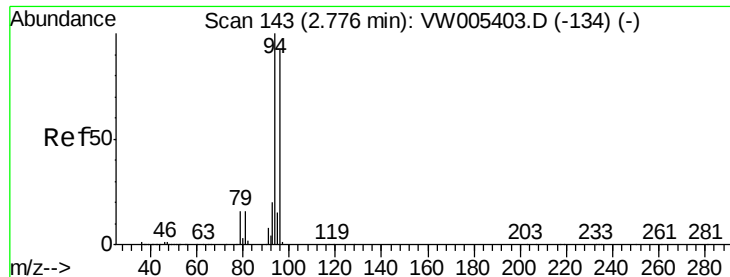
Tgt Ion: 62 Resp: 50465

Ion Ratio Lower Upper

62 100

64 31.6 24.5 36.7





#5

Bromomethane

Concen: 24.39 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 37686

Ion Ratio Lower Upper

94 100

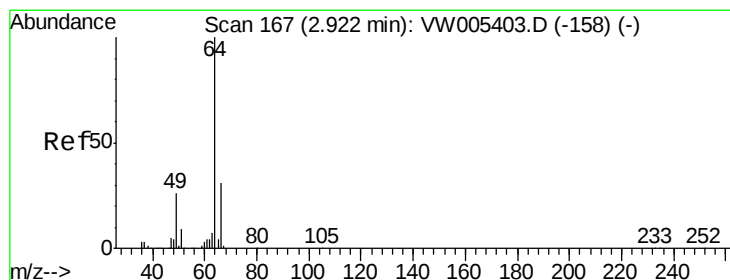
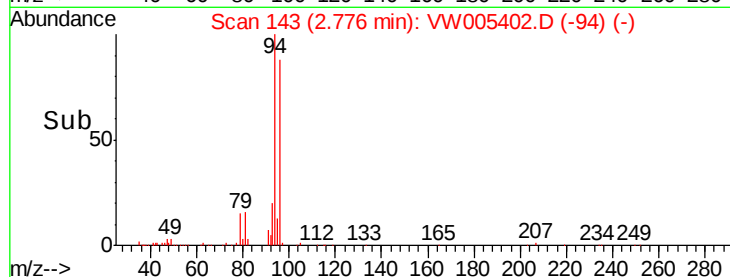
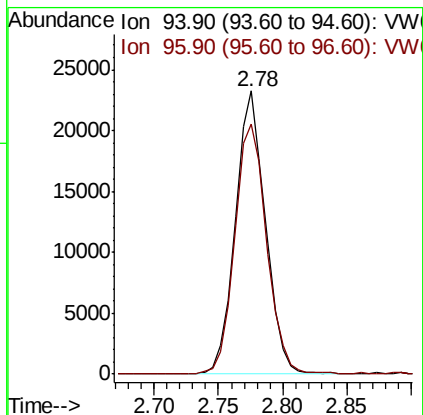
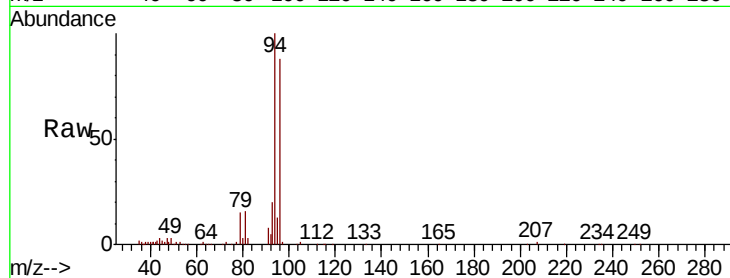
96 88.2 73.7 110.5

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#6

Chloroethane

Concen: 22.90 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW005402.D

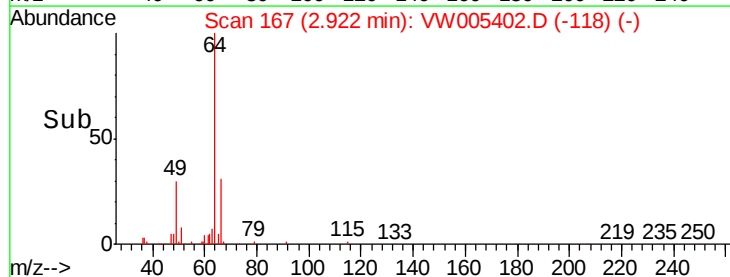
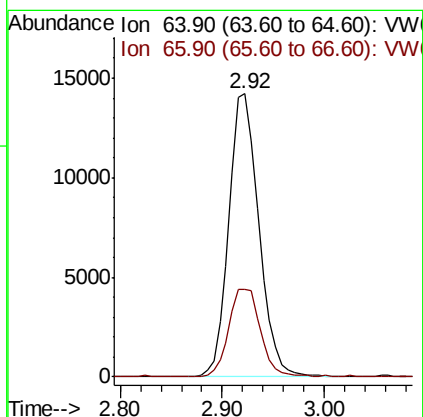
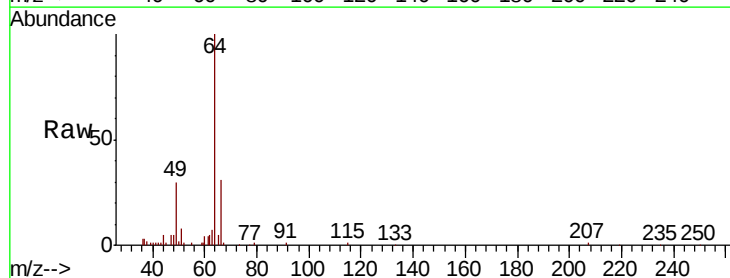
Acq: 14 Sep 2018 23:41

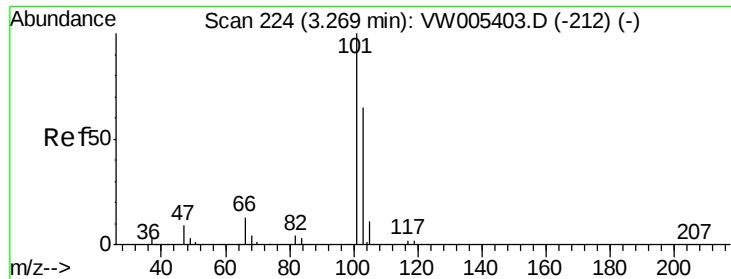
Tgt Ion: 64 Resp: 28985

Ion Ratio Lower Upper

64 100

66 31.0 25.2 37.8





#7

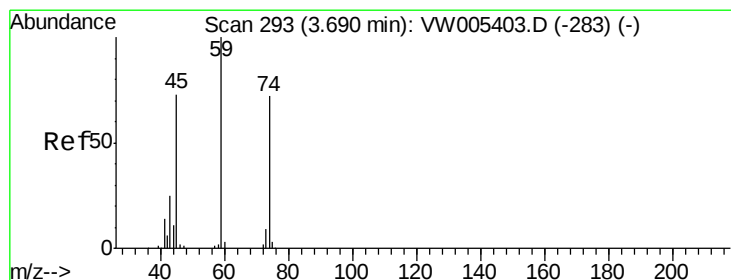
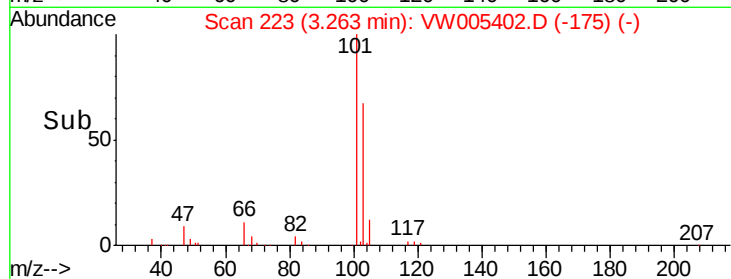
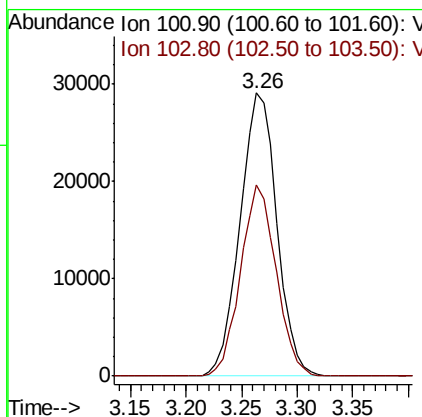
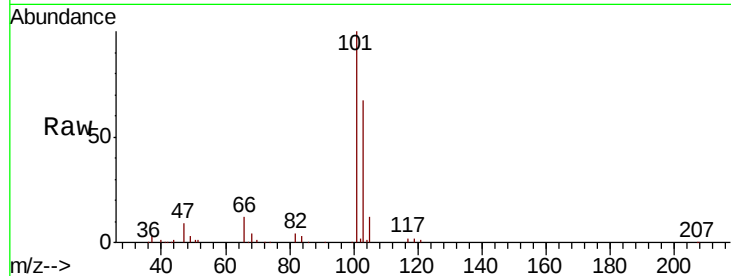
Trichlorofluoromethane
 Concen: 25.31 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.01 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		66857		
103	67.4	51.7			77.5

Manual Integrations
 APPROVED

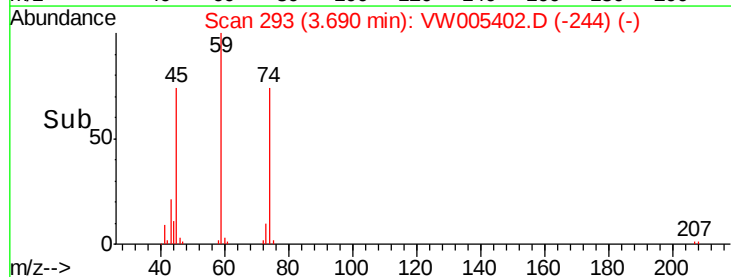
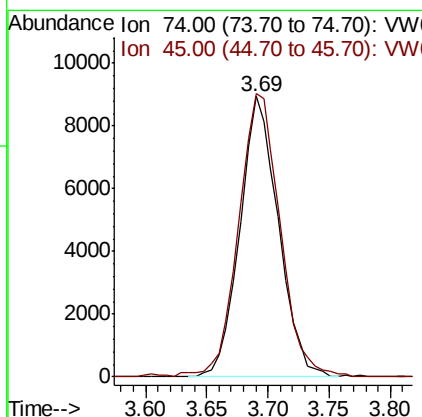
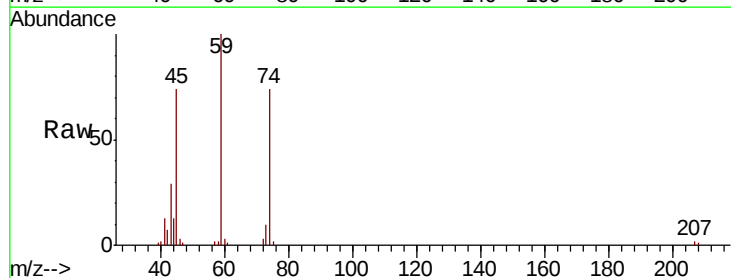
apatel
 9/17/2018 2:23:51 PM

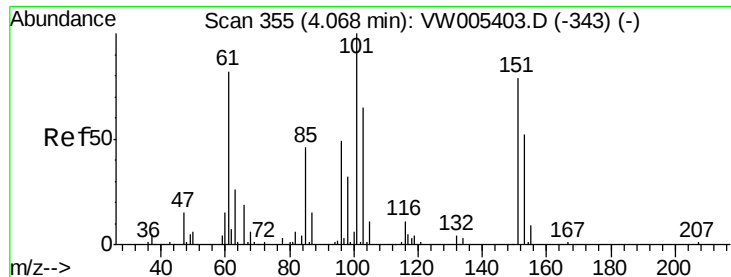


#8

Diethyl Ether
 Concen: 21.39 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		19499		
45	109.3	53.1			159.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.28 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

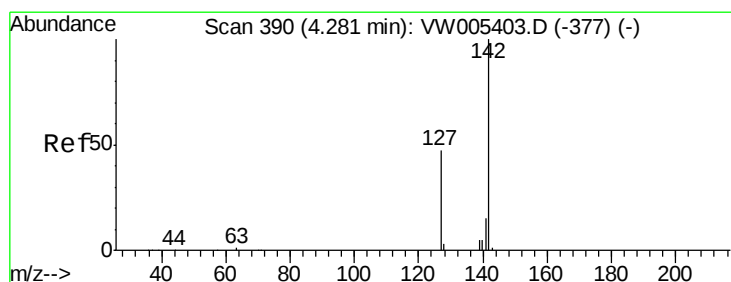
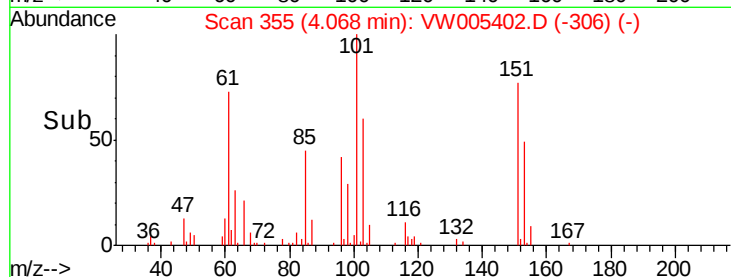
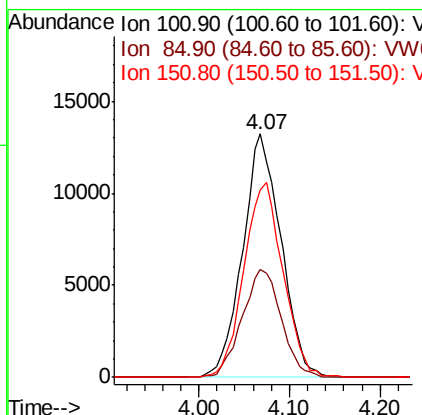
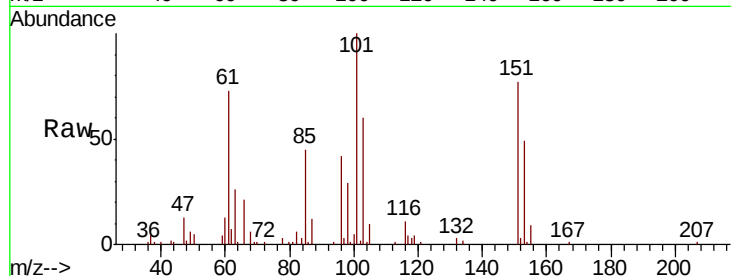
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	38674
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	54.8
151	81.8	66.3	99.5

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#10

Methyl Iodide

Concen: 19.78 ug/l

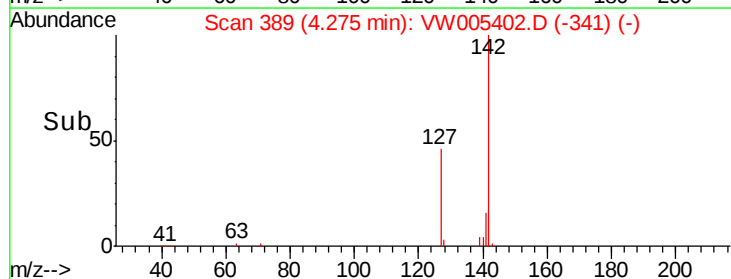
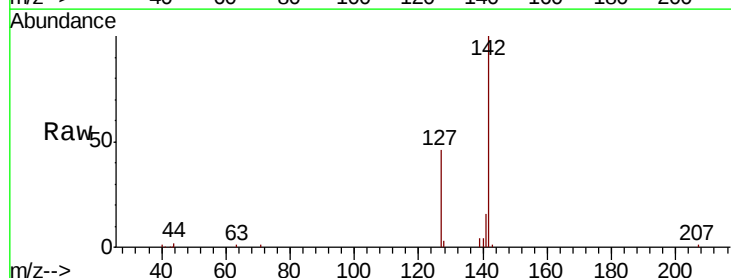
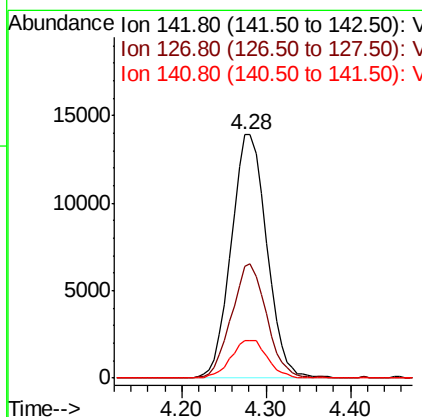
RT: 4.28 min Scan# 389

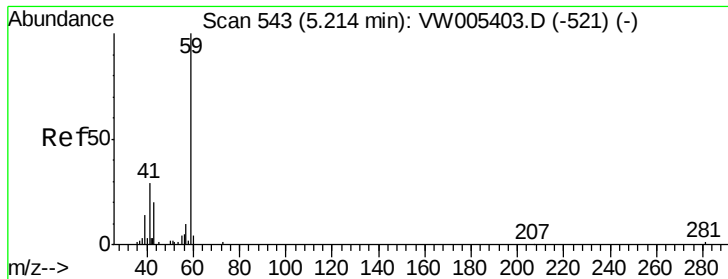
Delta R.T. -0.01 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	142	Resp:	39808
Ion Ratio	Lower	Upper	
142	100		
127	46.3	37.5	56.3
141	15.8	12.4	18.6





#11

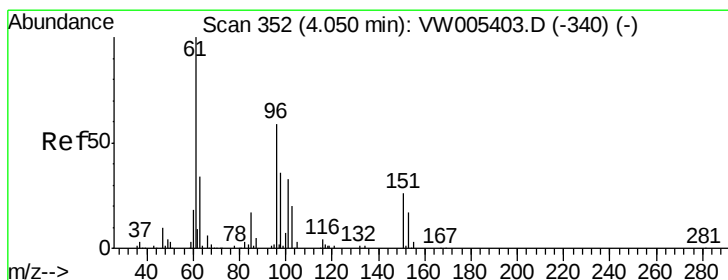
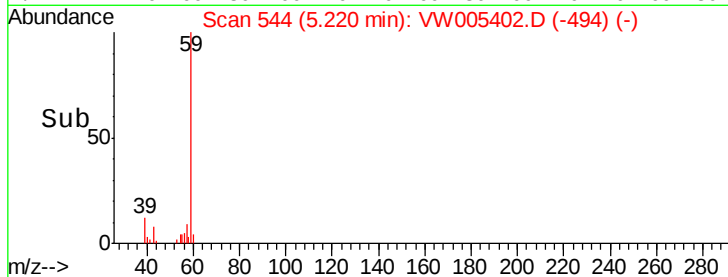
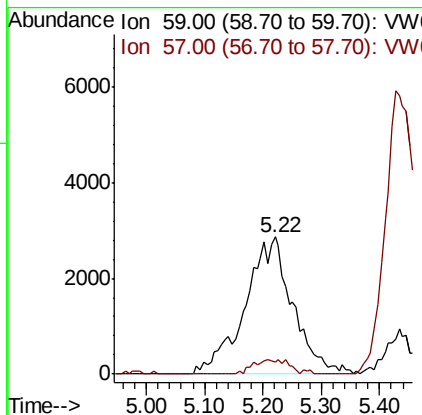
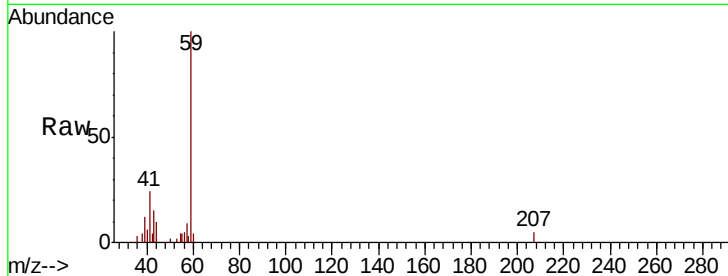
Tert butyl alcohol
 Concen: 123.28 ug/l m
 RT: 5.22 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	59	57	Ratio	100	4.8	Resp	16213	Lower	8.6	Upper	13.0#
Ion	59	57	Ratio	100	4.8	Resp	16213	Lower	8.6	Upper	13.0#

Manual Integrations
 APPROVED

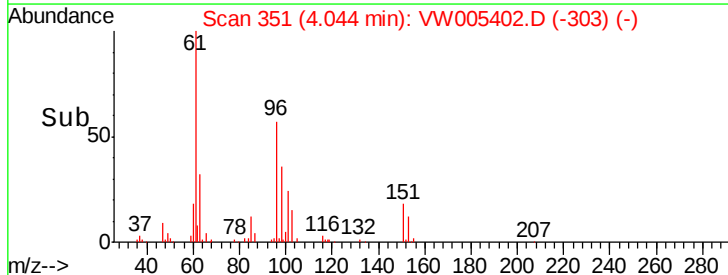
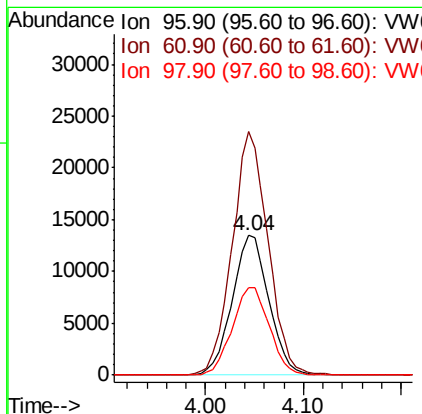
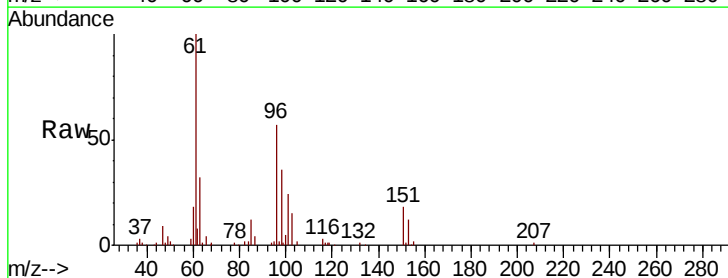
apatel
 9/17/2018 2:23:51 PM

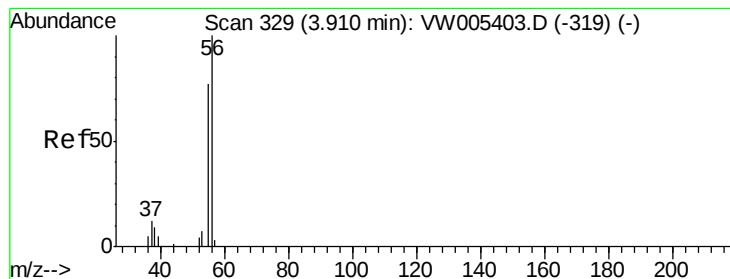


#12

1,1-Dichloroethene
 Concen: 20.99 ug/l
 RT: 4.04 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	96	61	98	Ratio	100	174.2	63.1	Resp	35015	Lower	135.7	48.6	Upper	203.5	73.0
Ion	96	61	98	Ratio	100	174.2	63.1	Resp	35015	Lower	135.7	48.6	Upper	203.5	73.0





#13

Acrolein

Concen: 101.71 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 56 Resp: 12289

Ion Ratio Lower Upper

56 100

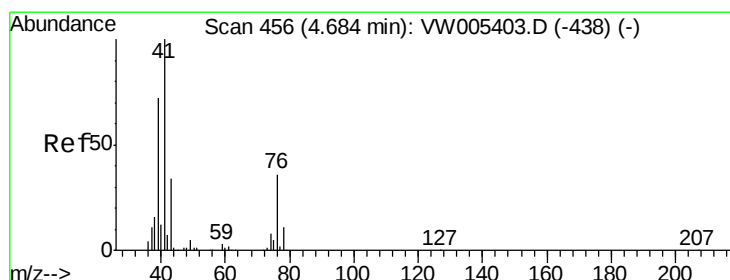
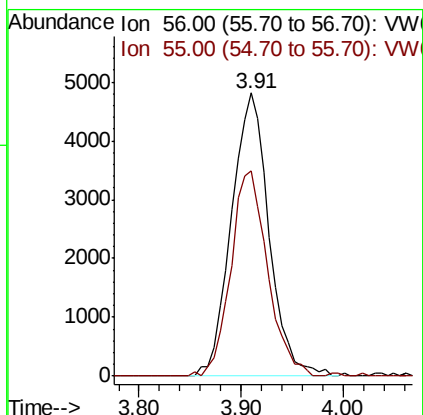
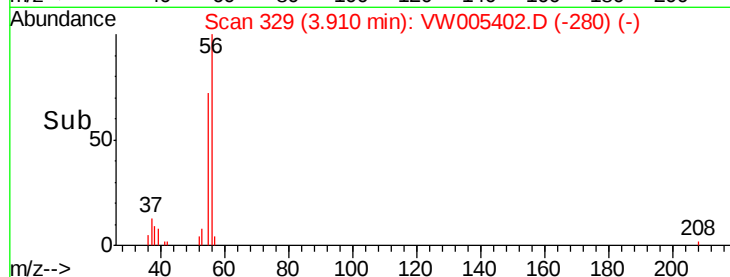
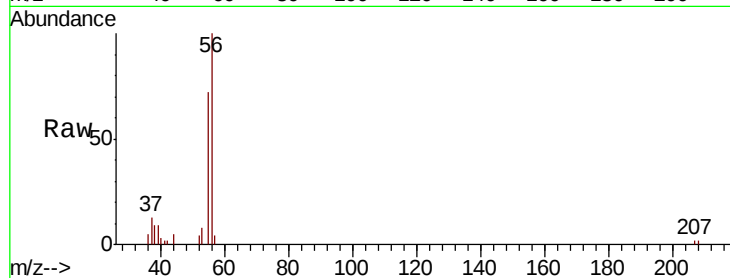
55 70.9 59.8 89.8

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#14

Allyl chloride

Concen: 23.74 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

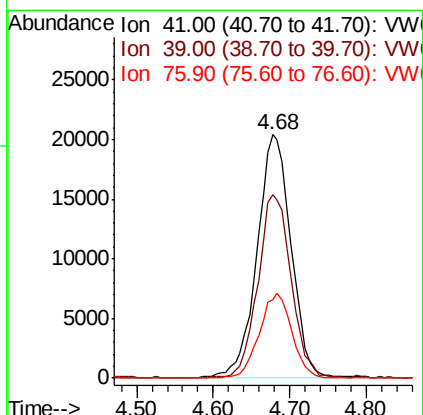
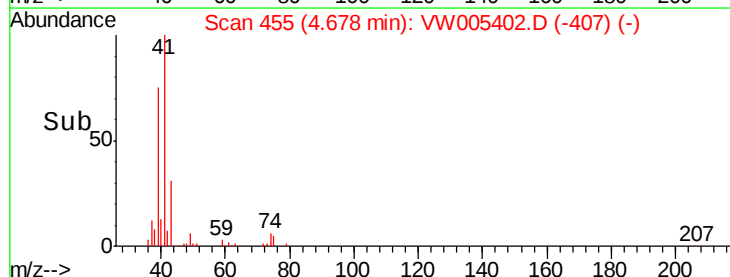
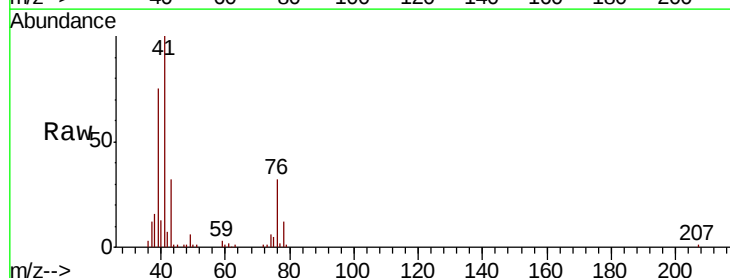
Tgt Ion: 41 Resp: 63047

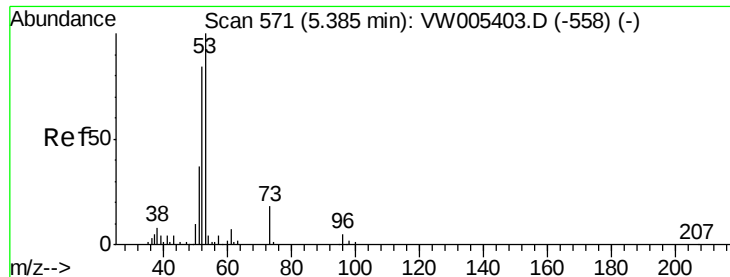
Ion Ratio Lower Upper

41 100

39 74.0 58.6 88.0

76 33.2 27.4 41.0





#15

Acrylonitrile

Concen: 110.94 ug/l

RT: 5.39 min Scan# 571

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

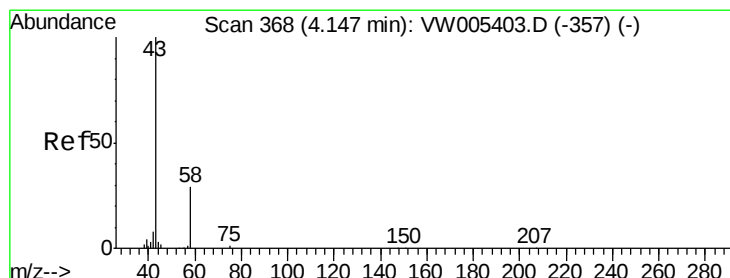
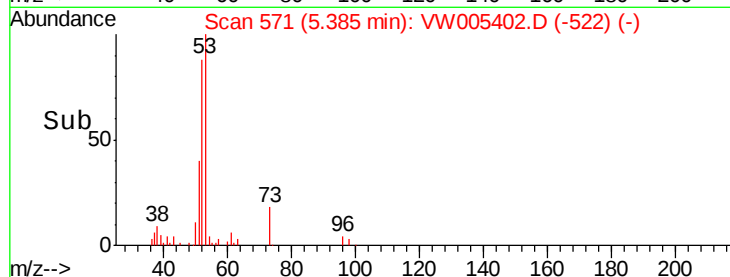
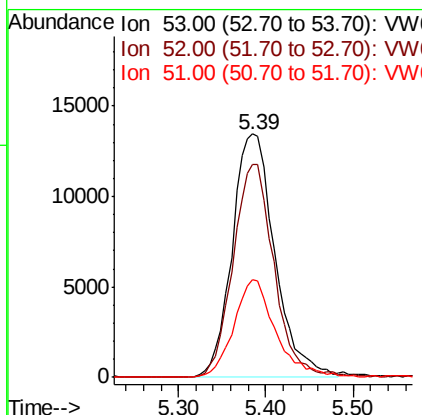
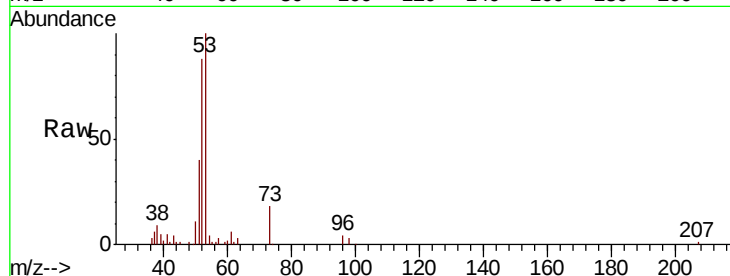
ClientSampled :

VSTDIC020

Tot Ion:	53	Resp:	45668
Ion	Ratio	Lower	Upper
53	100		
52	84.4	66.6	99.8
51	39.4	31.1	46.7

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#16

Acetone

Concen: 125.39 ug/l

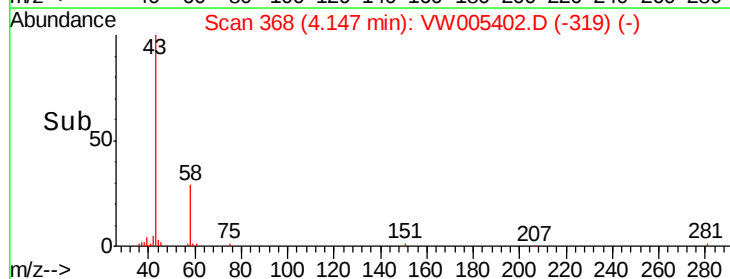
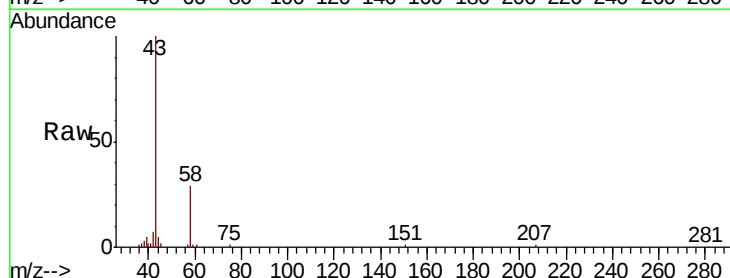
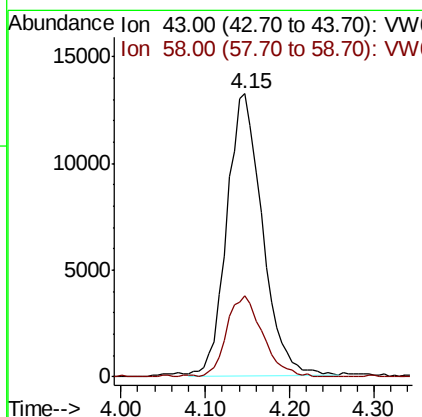
RT: 4.15 min Scan# 368

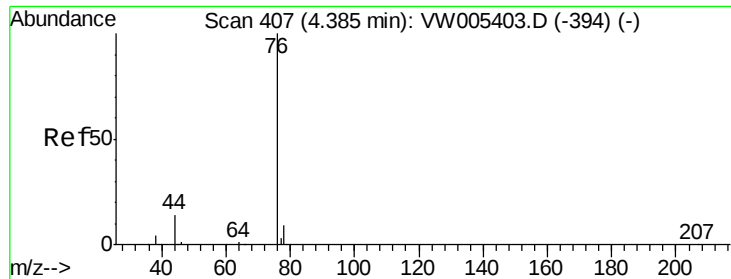
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	43	Resp:	37811
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.8	34.2





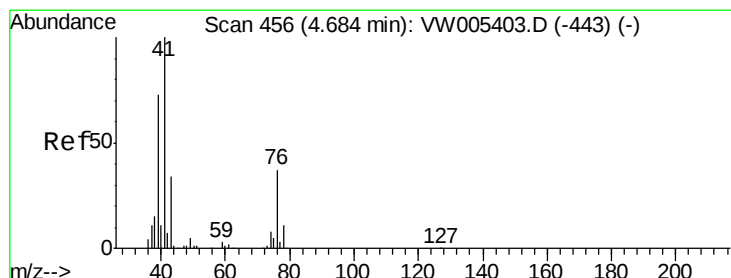
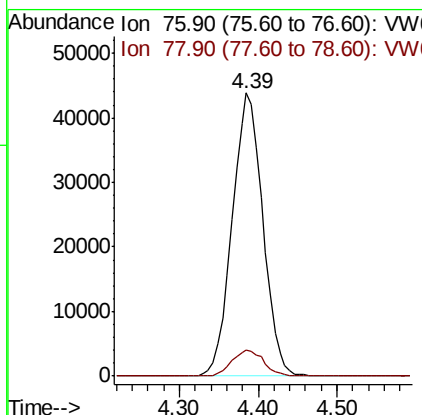
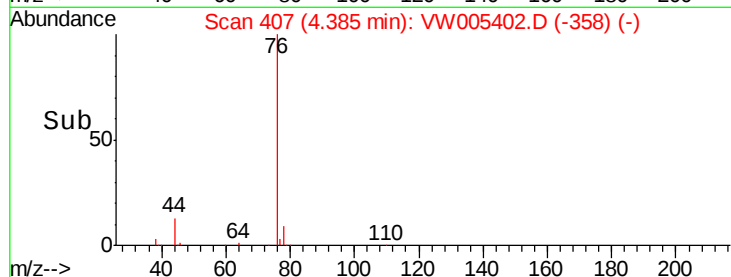
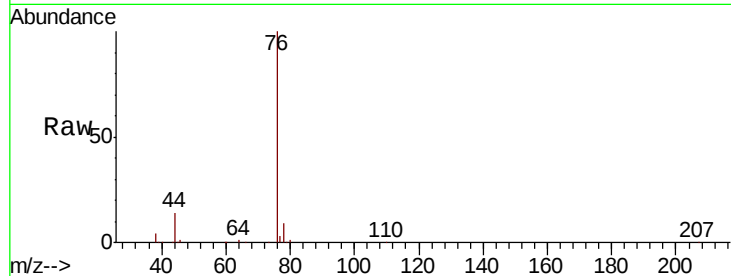
#17
Carbon Disulfide
Concen: 20.23 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

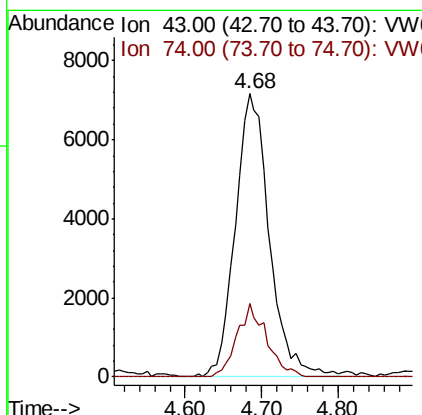
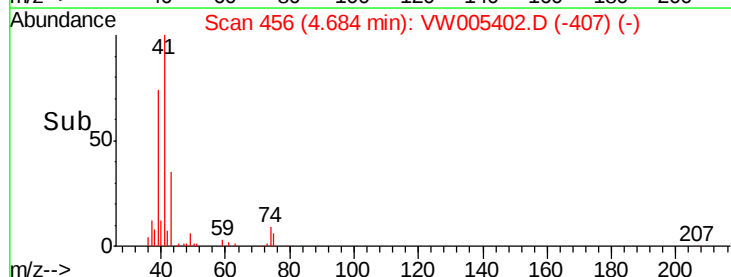
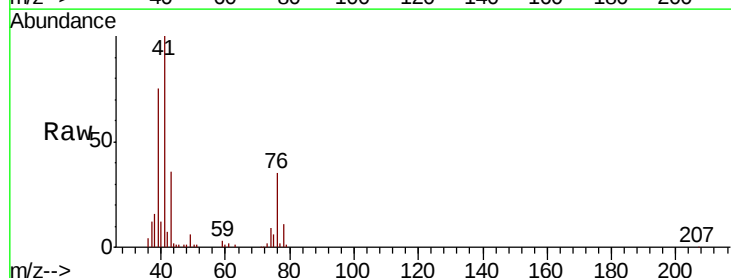
Manual Integrations
APPROVED

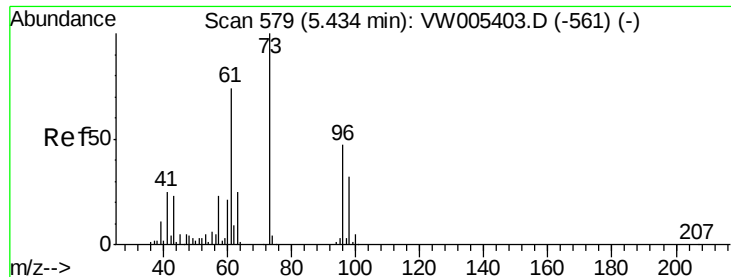
apatel
9/17/2018 2:23:51 PM



#18
Methyl Acetate
Concen: 24.26 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	17.7	26.5





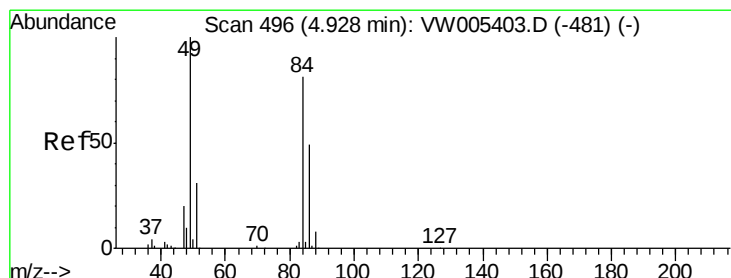
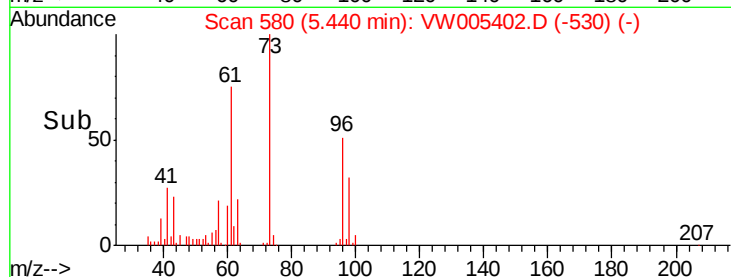
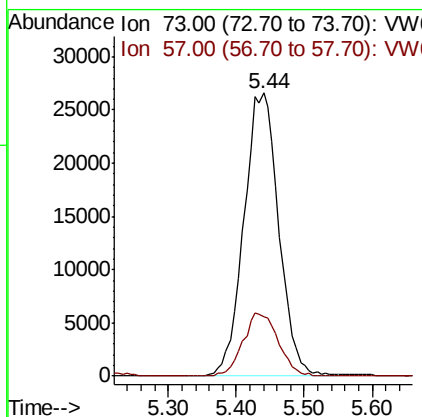
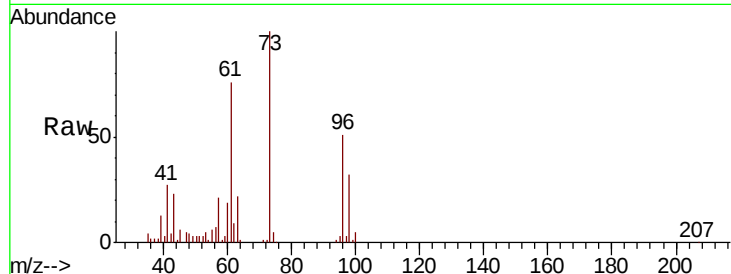
#19
Methyl tert-butyl Ether
Concen: 23.26 ug/l
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 94983
Ion Ratio Lower Upper
73 100
57 21.1 18.6 28.0

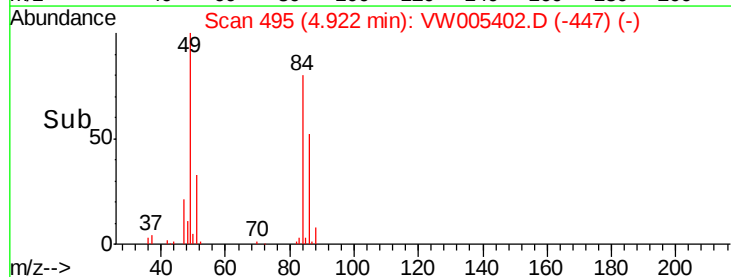
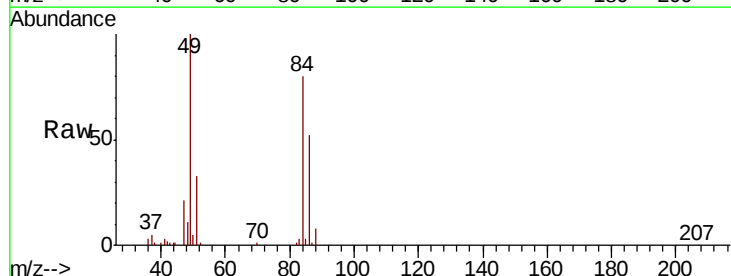
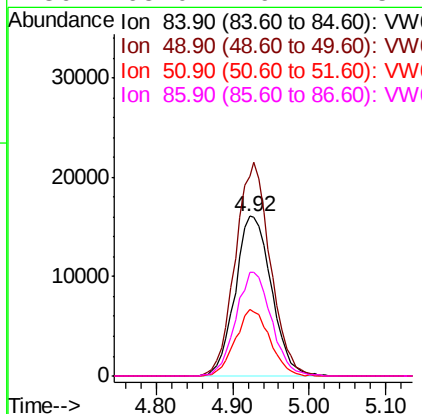
Manual Integrations
APPROVED

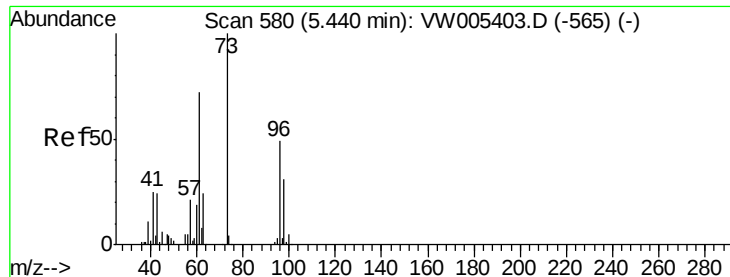
apatel
9/17/2018 2:23:51 PM



#20
Methylene Chloride
Concen: 21.02 ug/l
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion: 84 Resp: 52813
Ion Ratio Lower Upper
84 100
49 124.8 99.3 148.9
51 41.4 31.1 46.7
86 65.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 21.22 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.01 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

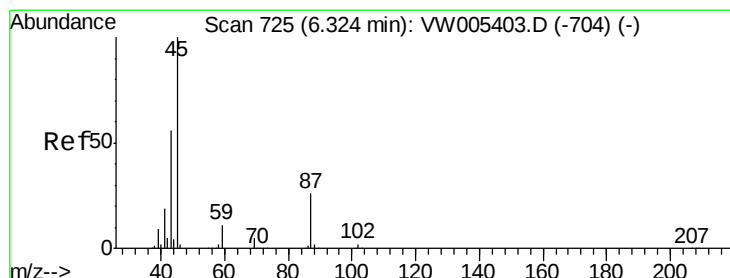
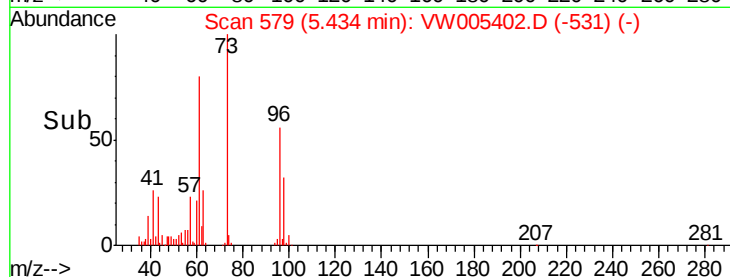
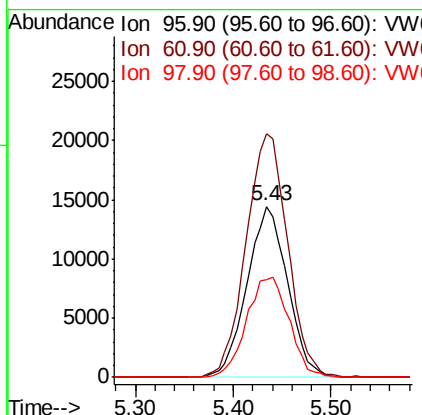
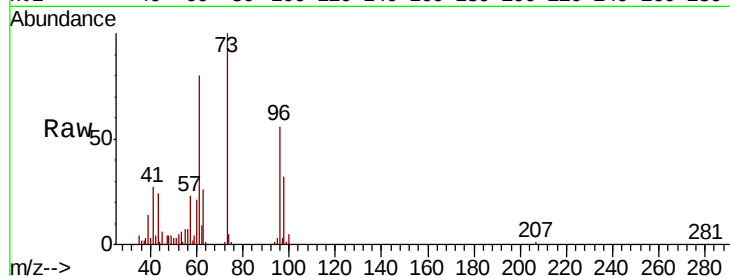
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	41553
Ion	Ratio	Lower	Upper
96	100		
61	142.4	116.7	175.1
98	57.0	51.0	76.6

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#22

Diisopropyl ether

Concen: 23.92 ug/l

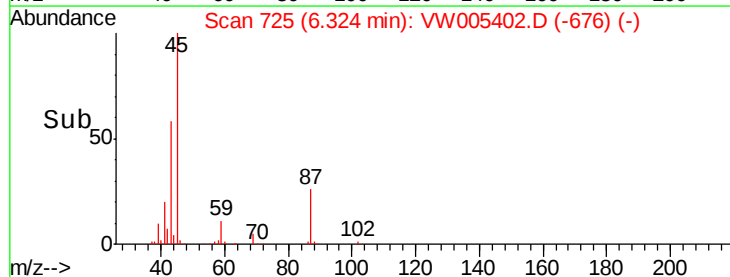
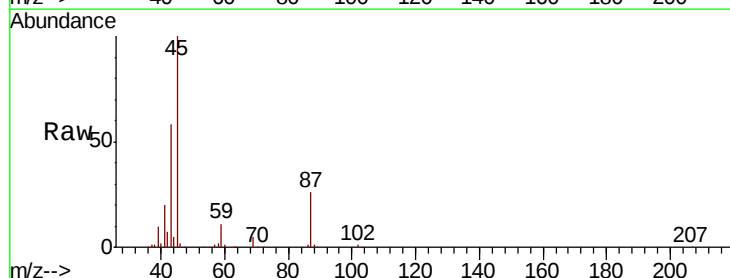
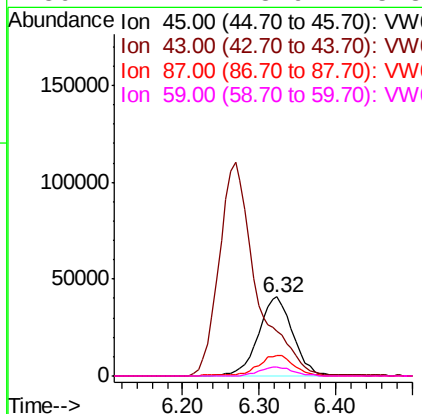
RT: 6.32 min Scan# 725

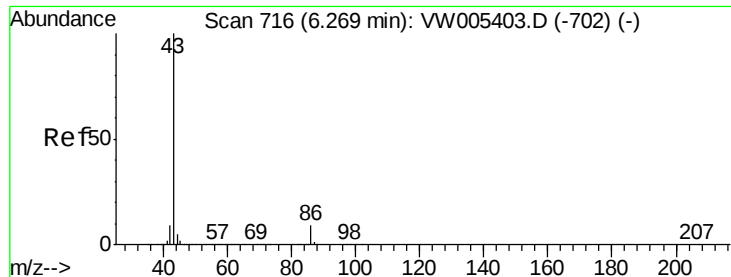
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	45	Resp:	128115
Ion	Ratio	Lower	Upper
45	100		
43	56.7	44.6	67.0
87	25.9	20.6	31.0
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 124.04 ug/l

RT: 6.27 min Scan# 716

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 371441

Ion Ratio Lower Upper

43 100

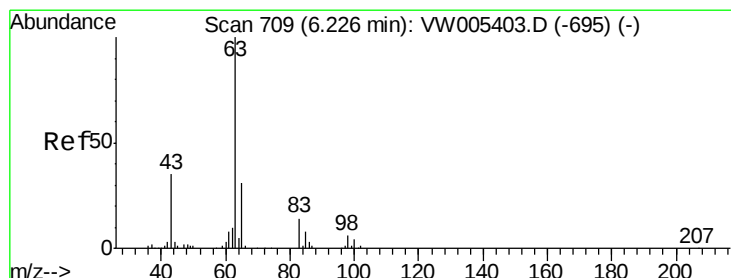
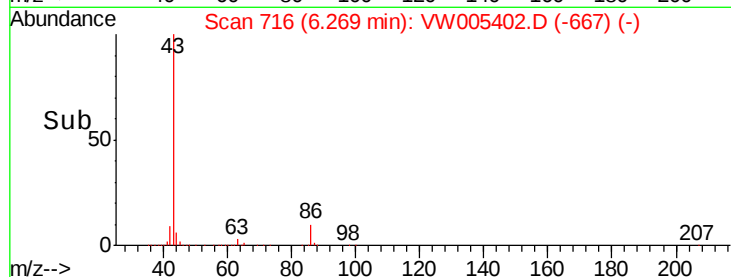
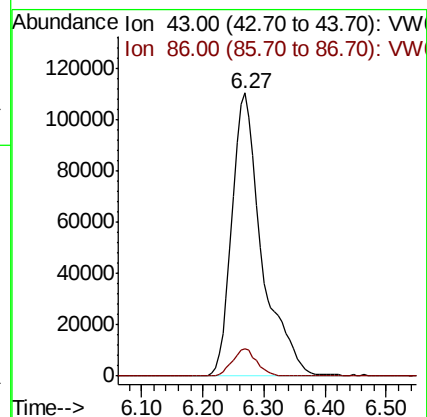
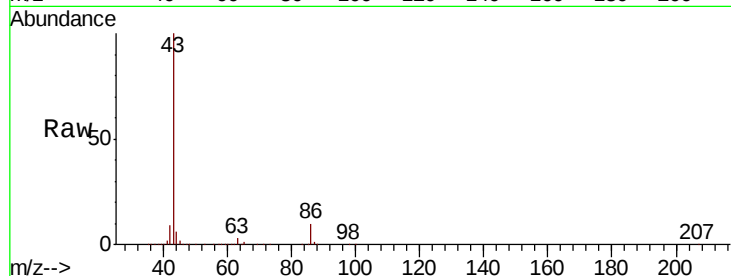
86 9.9 7.5 11.3

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#24

1,1-Dichloroethane

Concen: 23.40 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

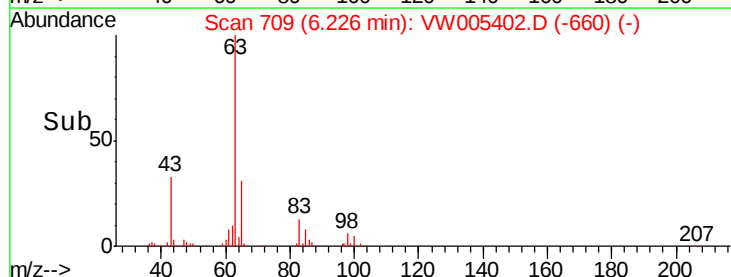
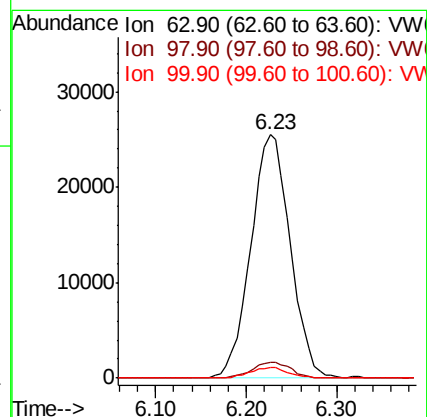
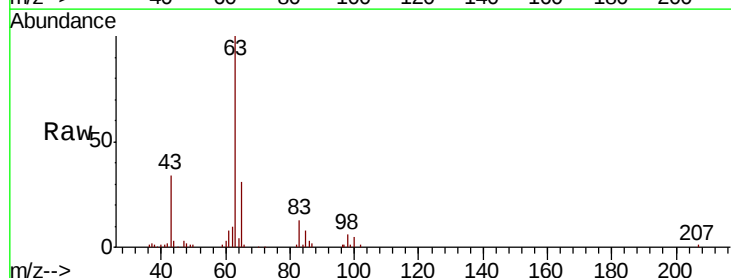
Tgt Ion: 63 Resp: 76700

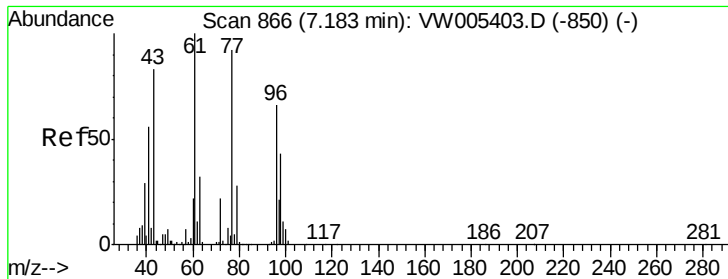
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 122.66 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 58444

Ion Ratio Lower Upper

43 100

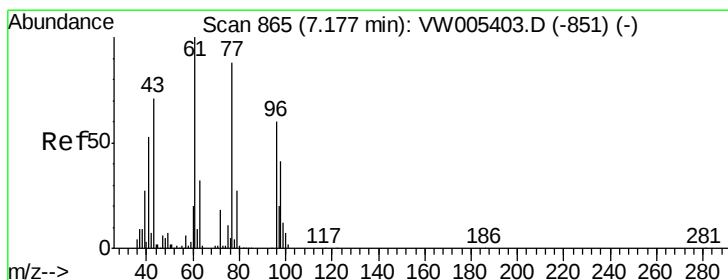
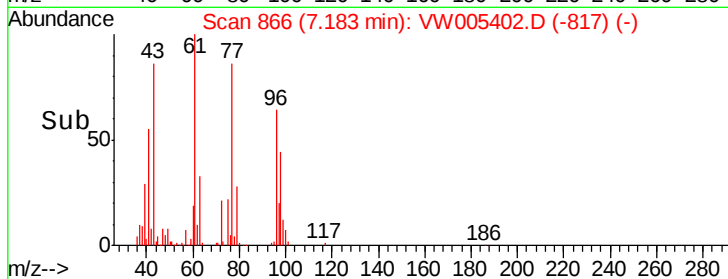
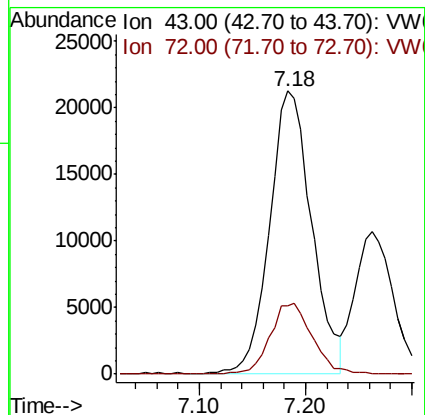
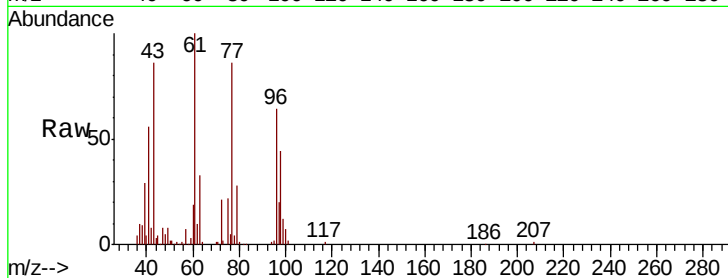
72 24.3 21.1 31.7

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#26

2,2-Dichloropropane

Concen: 24.01 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW005402.D

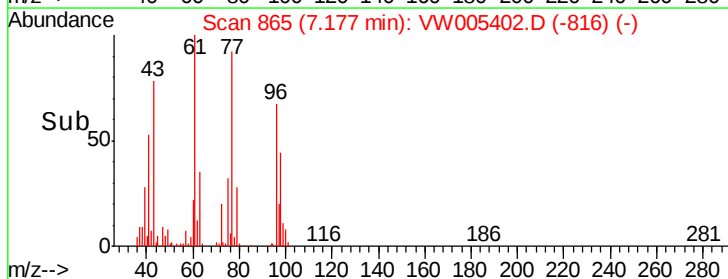
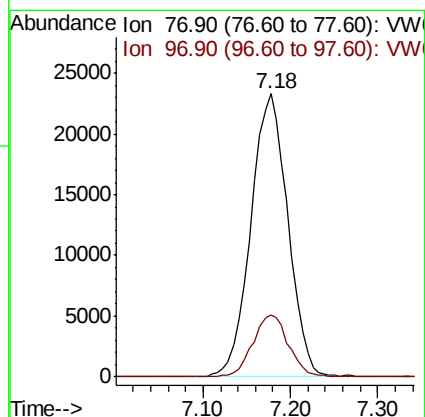
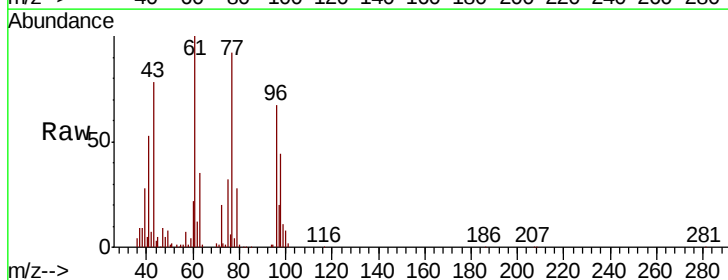
Acq: 14 Sep 2018 23:41

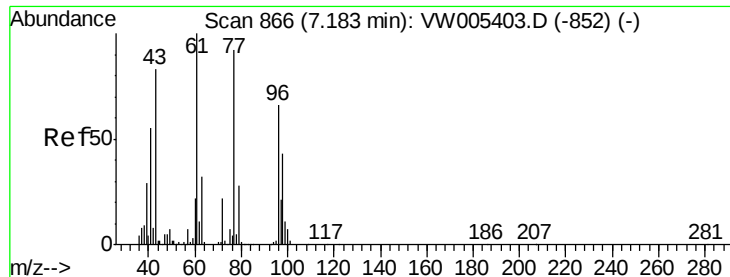
Tgt Ion: 77 Resp: 68343

Ion Ratio Lower Upper

77 100

97 21.0 10.7 32.1





#27

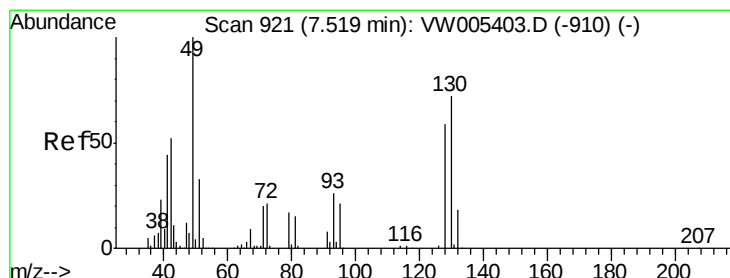
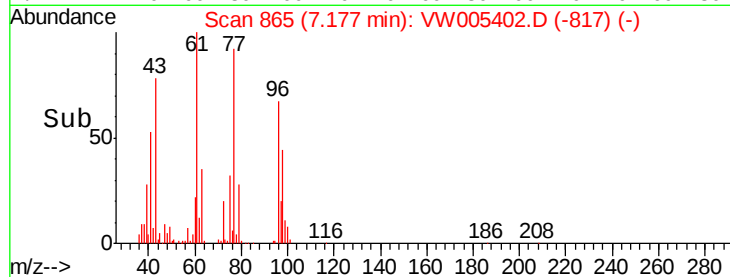
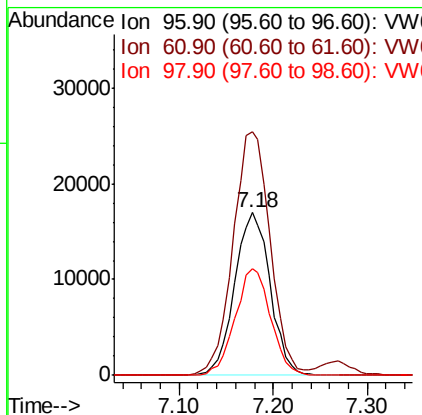
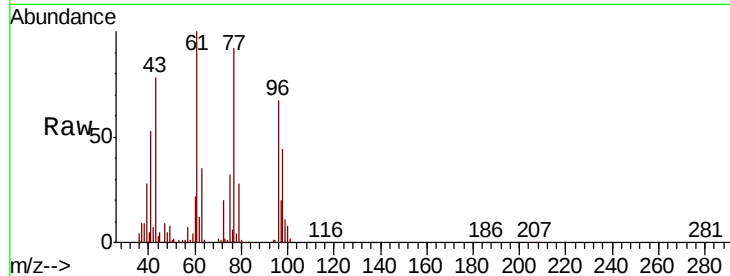
cis-1,2-Dichloroethene
Concen: 21.23 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	156.7	0.0	316.0		
98	65.2	0.0	130.8		

Manual Integrations
APPROVED

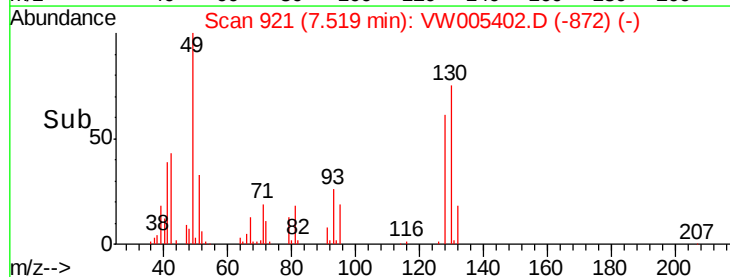
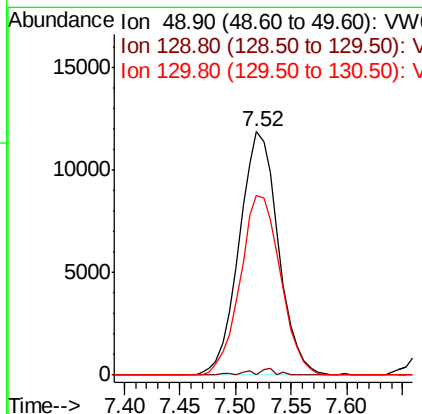
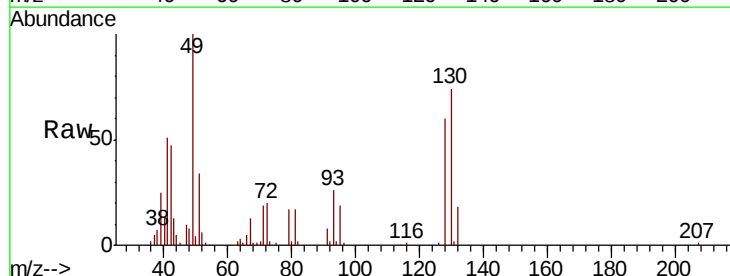
apatel
9/17/2018 2:23:51 PM

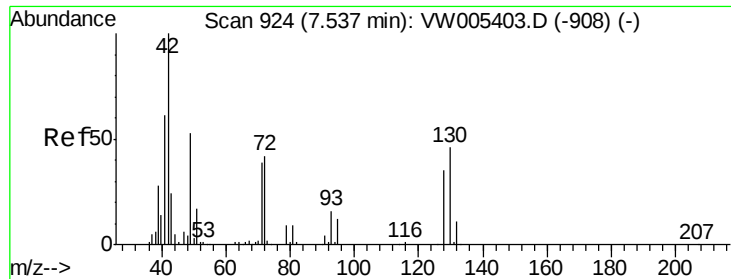


#28

Bromochloromethane
Concen: 24.03 ug/l
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	0.7	0.0	1.0		
130	76.2	61.4	92.2		





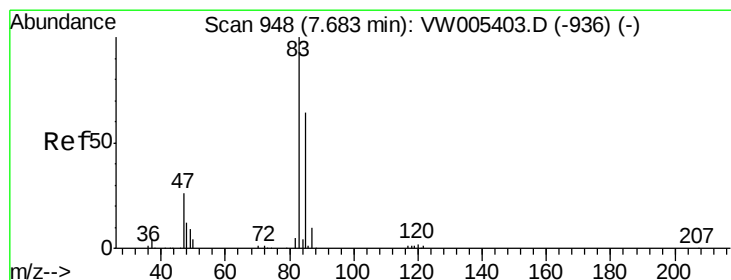
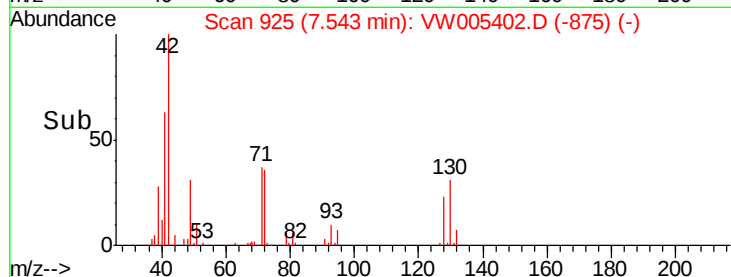
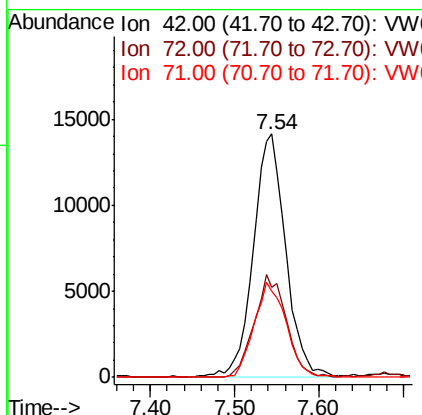
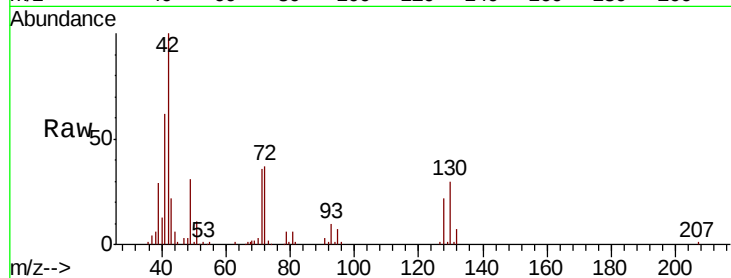
#29
Tetrahydrofuran
Concen: 117.44 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.2	49.8
71	38.4	31.0	46.6

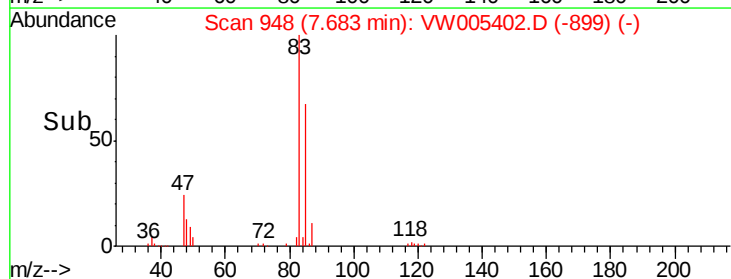
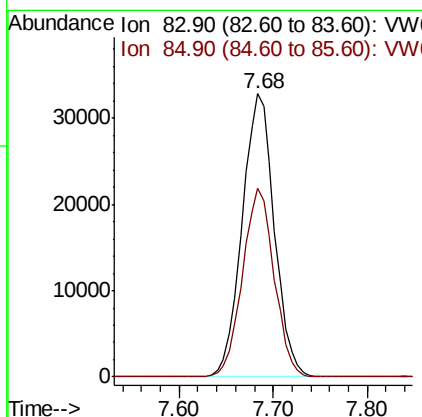
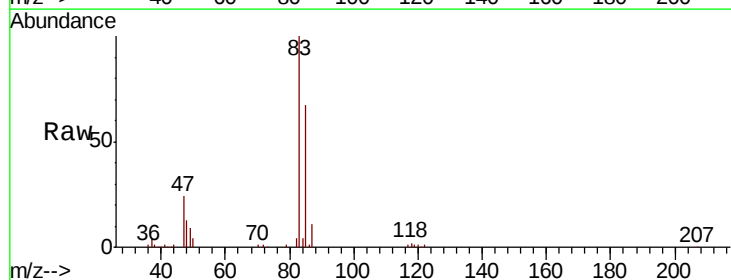
Manual Integrations
APPROVED

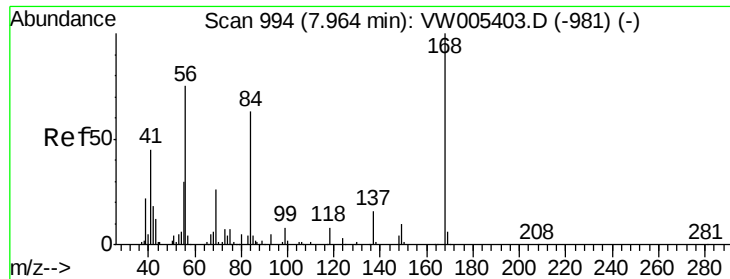
apatel
9/17/2018 2:23:51 PM



#30
Chloroform
Concen: 23.81 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.5	77.3





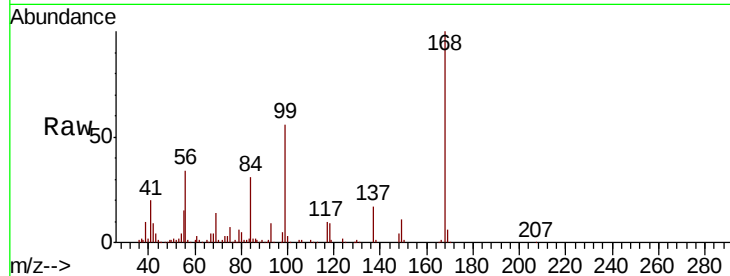
#31
Cyclohexane
Concen: 21.60 ug/l
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.8	27.2	40.8
84	88.6	66.7	100.1

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM

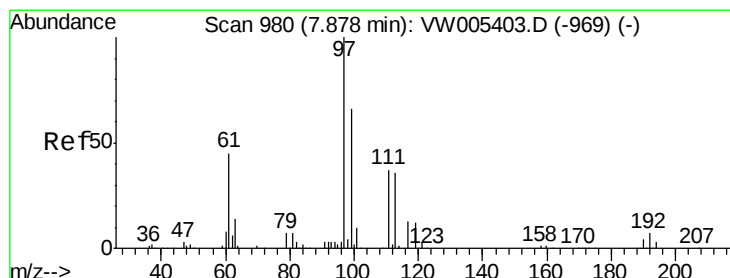
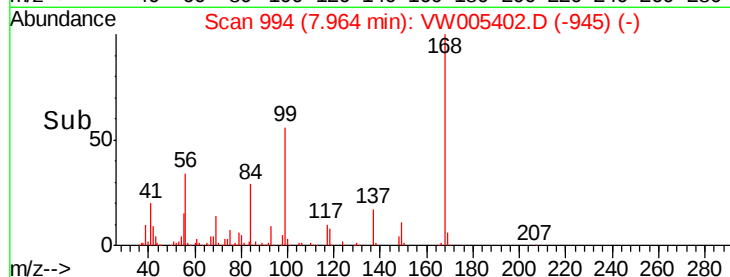
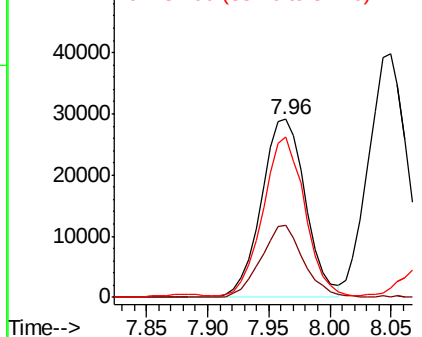


Abundance

Ion 56.00 (55.70 to 56.70): VW

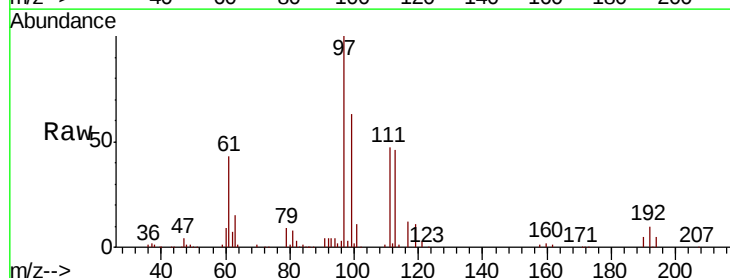
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#32
1,1,1-Trichloroethane
Concen: 25.17 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.5	77.3
61	44.2	35.8	53.6

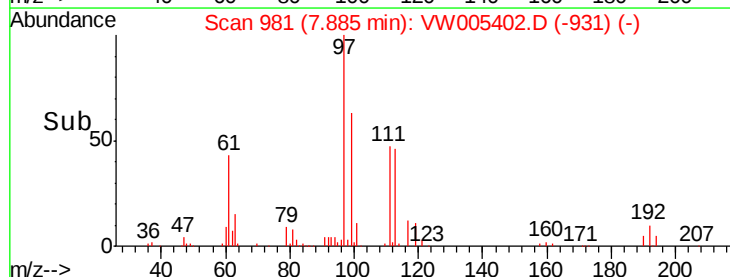
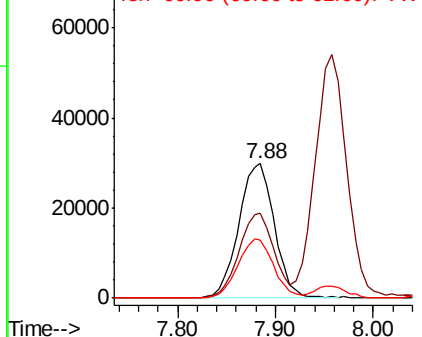


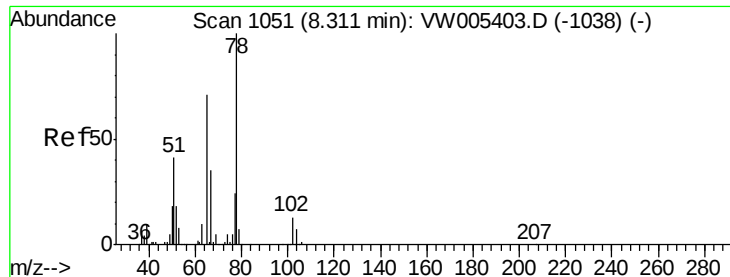
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW





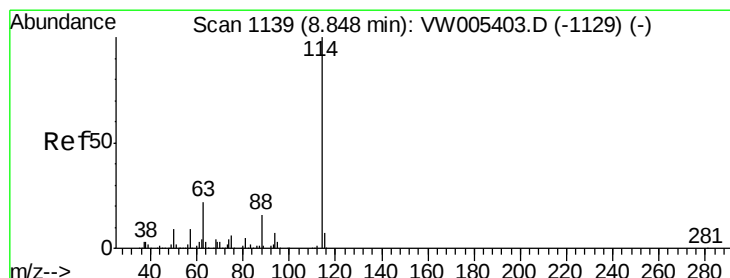
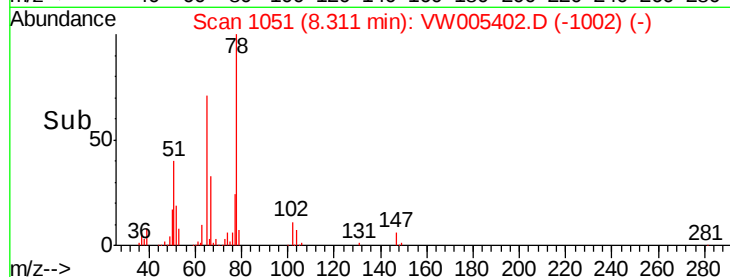
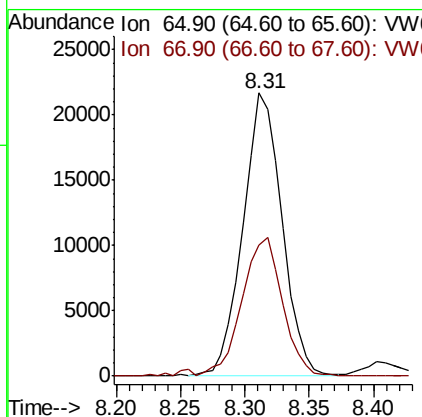
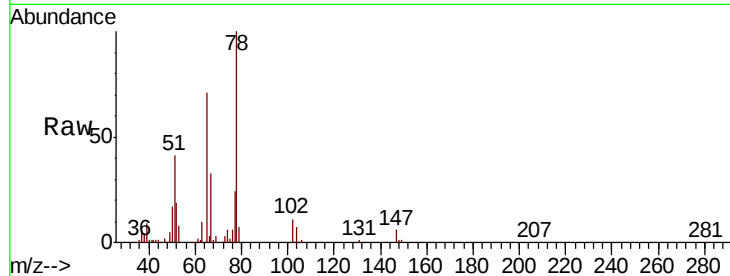
#33
 1,2-Dichloroethane-d4
 Concen: 27.18 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	100.6

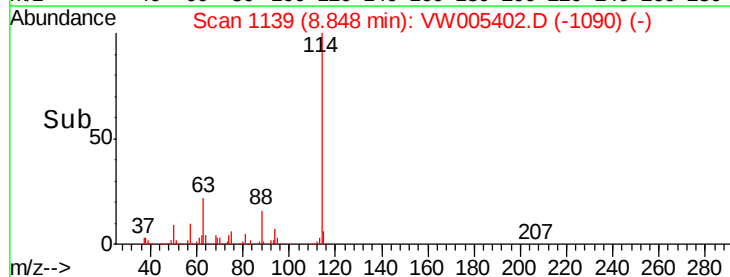
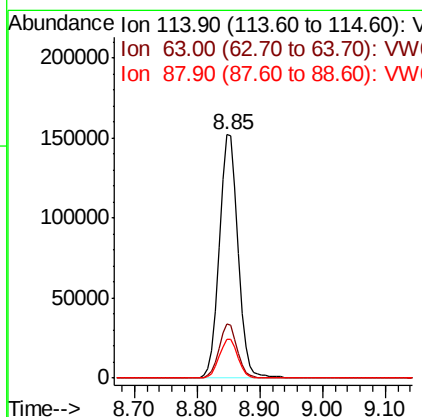
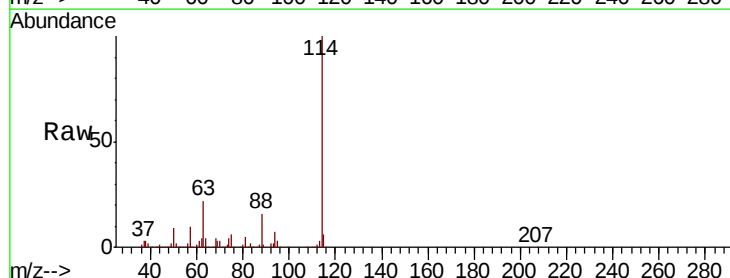
Manual Integrations
 APPROVED

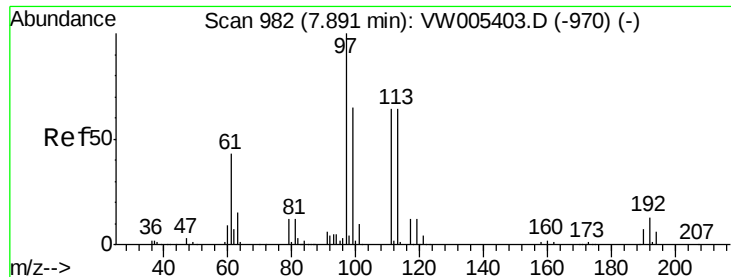
apatel
 9/17/2018 2:23:51 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.4
88	15.8	0.0	31.8





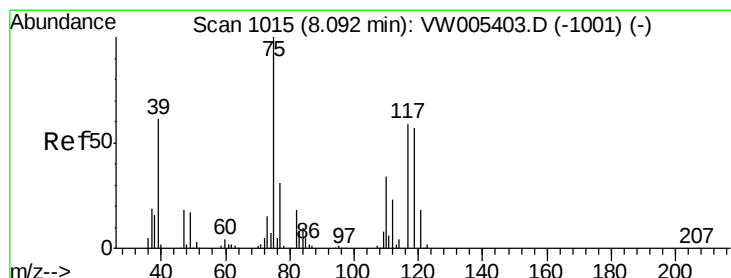
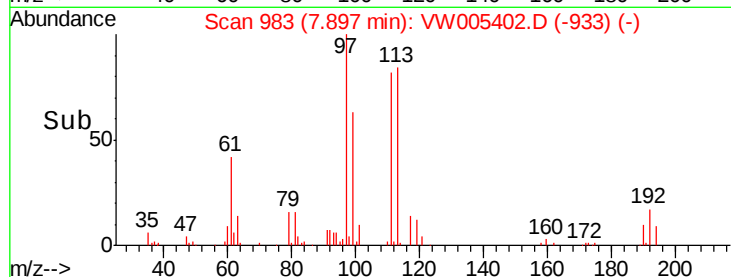
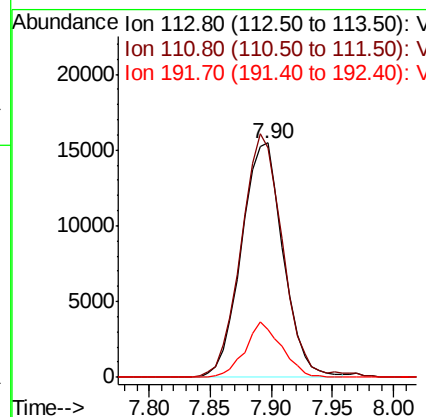
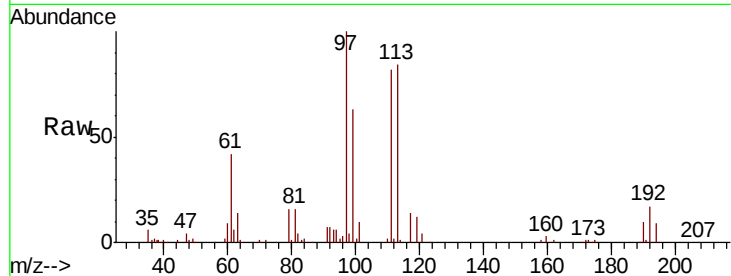
#35
 Dibromofluoromethane
 Concen: 22.30 ug/l
 RT: 7.90 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.3	123.5
192	20.5	16.5	24.7

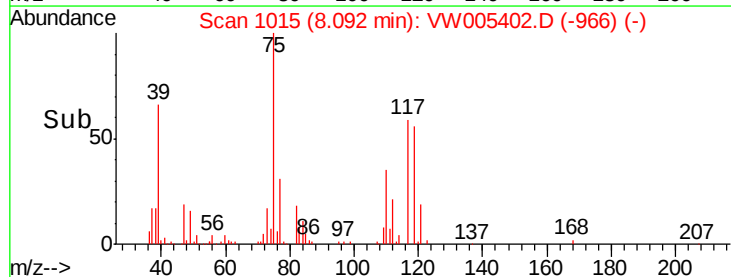
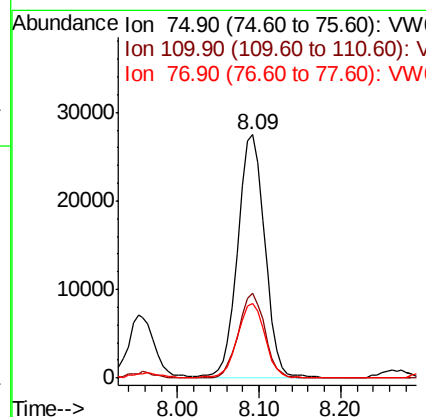
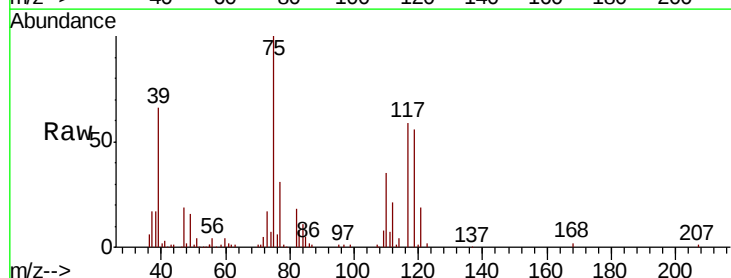
Manual Integrations
 APPROVED

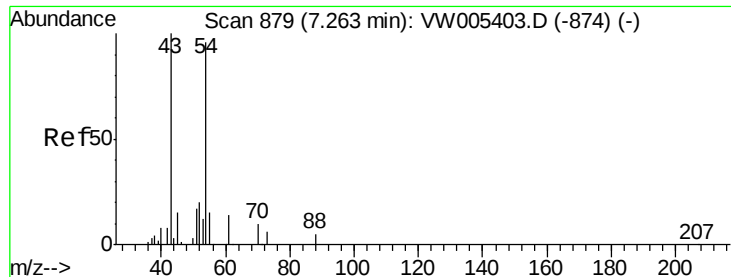
apatel
 9/17/2018 2:23:51 PM



#36
 1,1-Dichloropropene
 Concen: 21.90 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.8	50.4
77	31.3	24.2	36.4





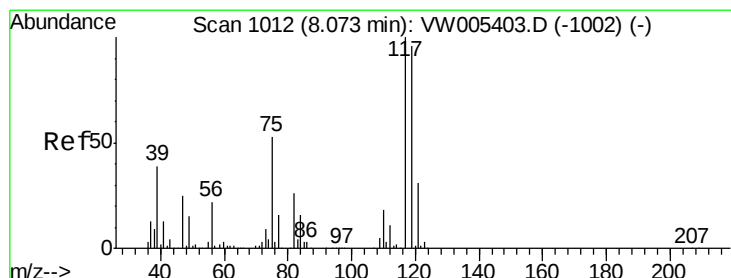
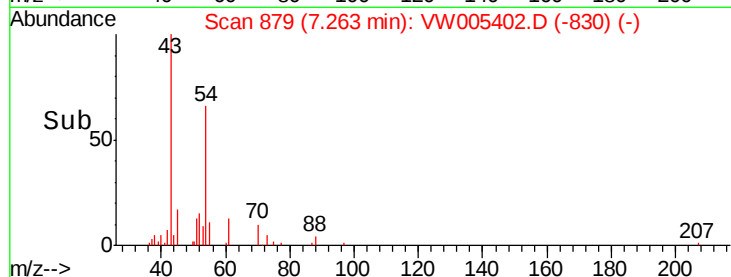
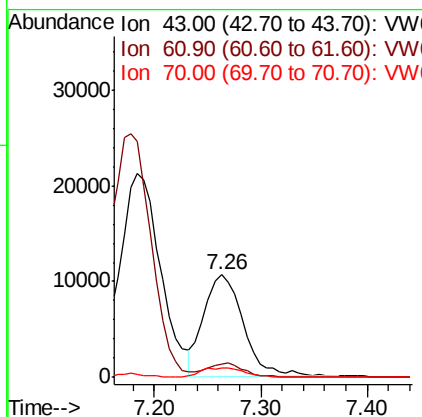
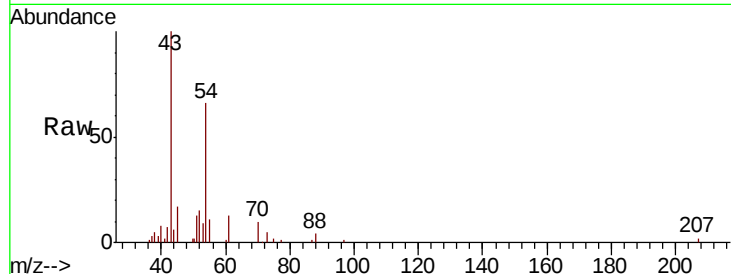
#37
Ethyl Acetate
Concen: 24.40 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.3	16.9
70	10.4	8.2	12.4

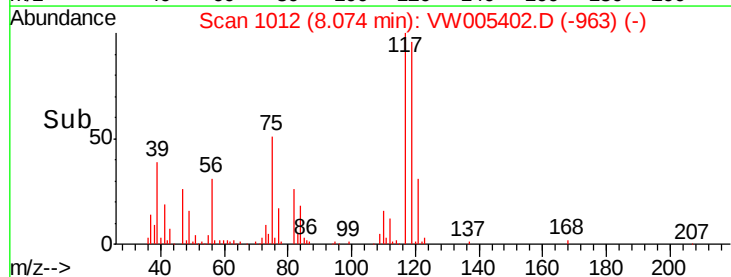
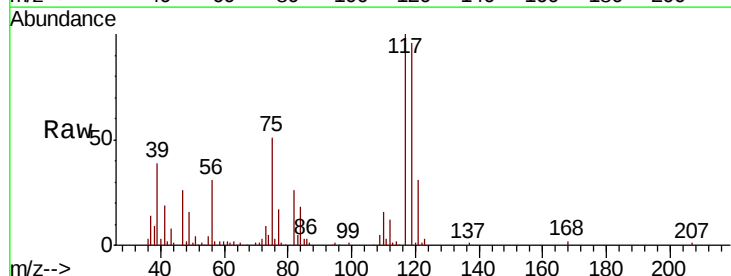
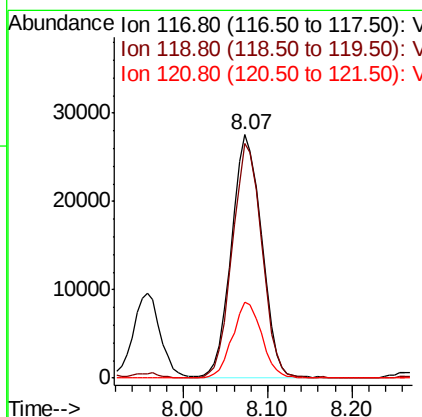
Manual Integrations
APPROVED

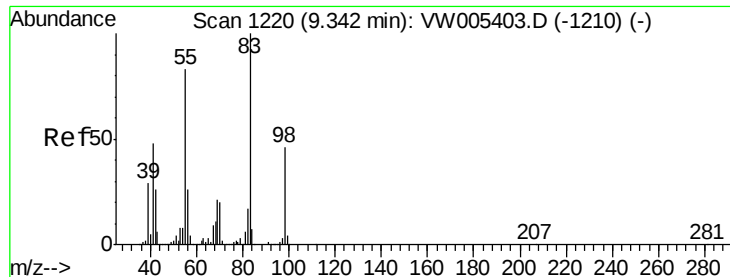
apatel
9/17/2018 2:23:51 PM



#38
Carbon Tetrachloride
Concen: 24.37 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.8	115.2
121	31.1	24.7	37.1





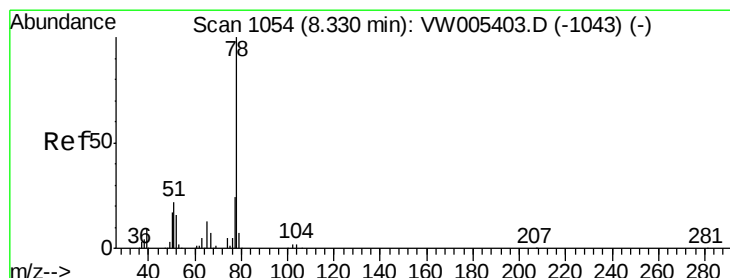
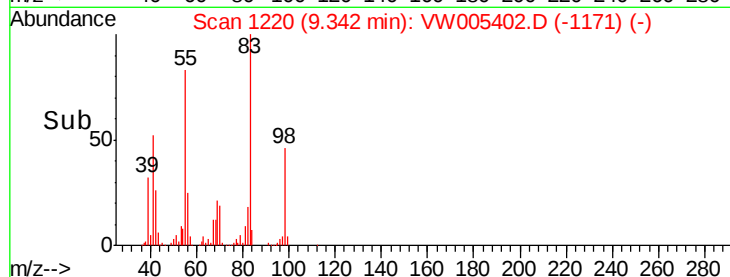
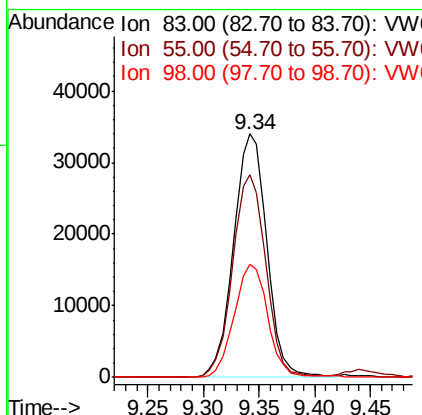
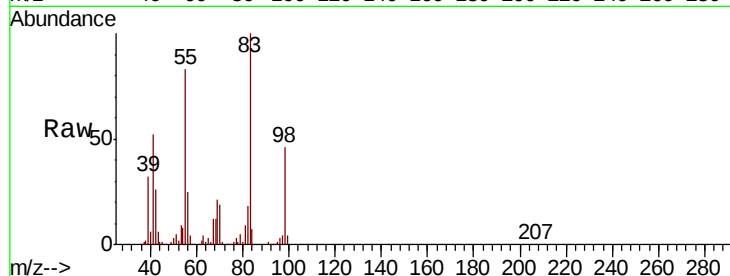
#39
Methvlcvclohexane
Concen: 18.79 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.3	66.1	99.1
98	46.4	36.7	55.1

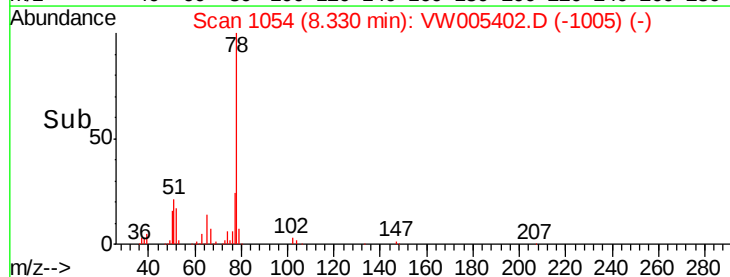
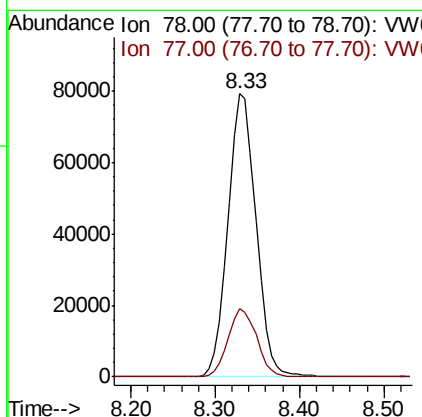
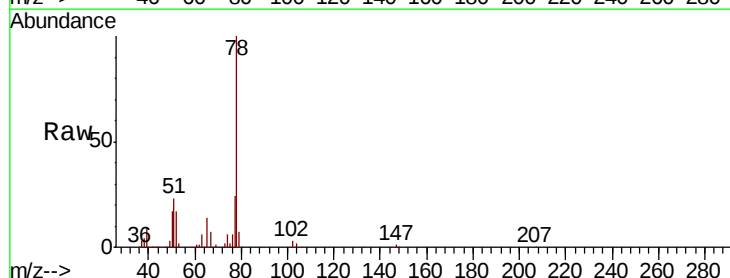
Manual Integrations
APPROVED

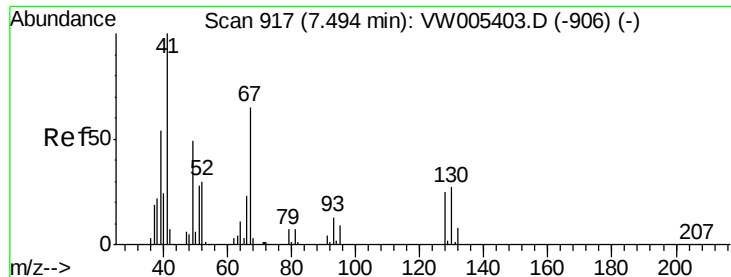
apatel
9/17/2018 2:23:51 PM



#40
Benzene
Concen: 21.21 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





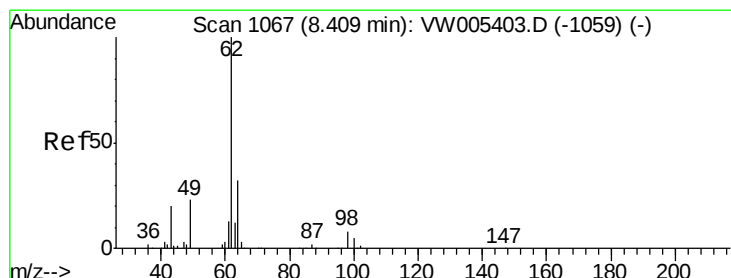
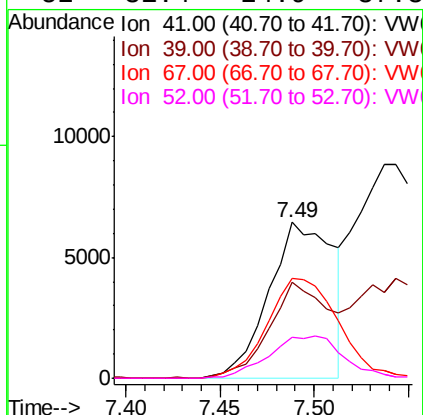
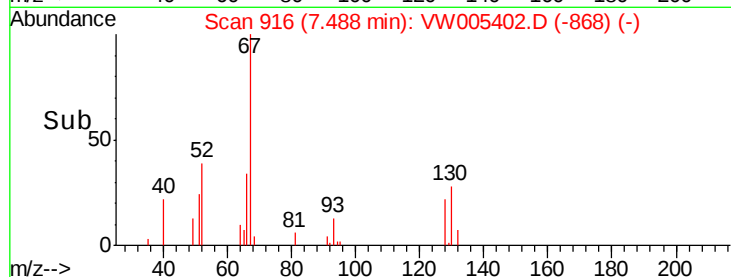
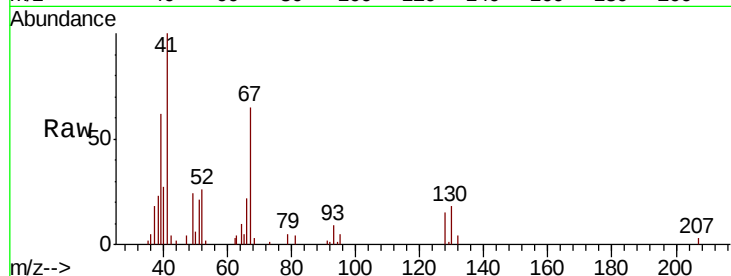
#41
Methacrylonitrile
Concen: 26.26 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.5	44.6	67.0
67	70.8	53.6	80.4
52	31.4	24.9	37.3

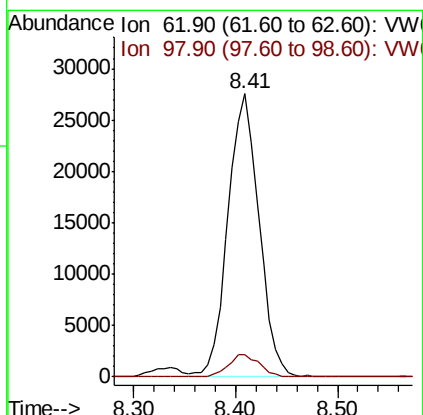
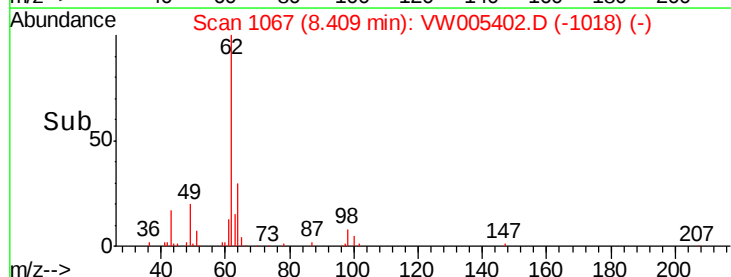
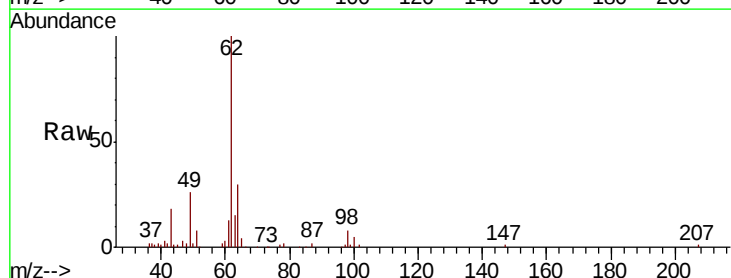
Manual Integrations
APPROVED

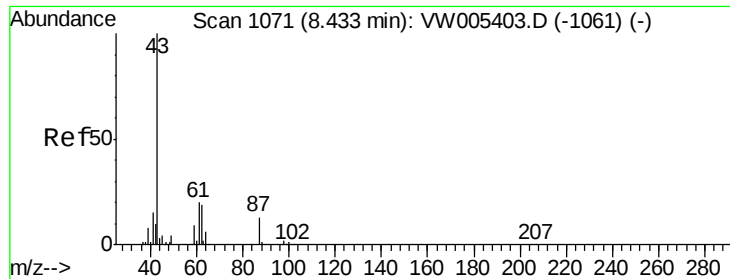
apatel
9/17/2018 2:23:51 PM



#42
1,2-Dichloroethane
Concen: 27.24 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





#43

Isopropyl Acetate

Concen: 23.94 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

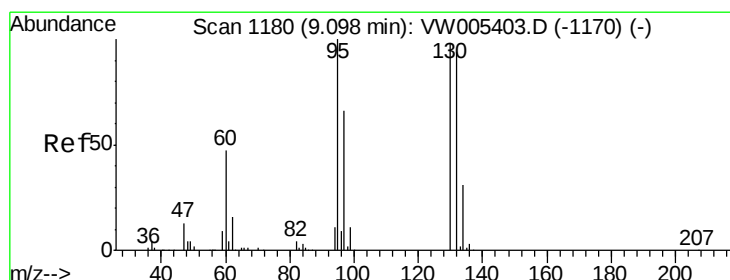
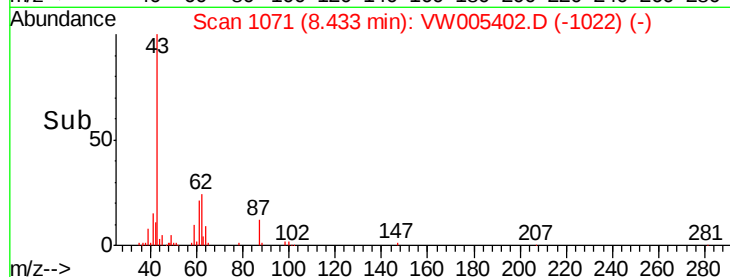
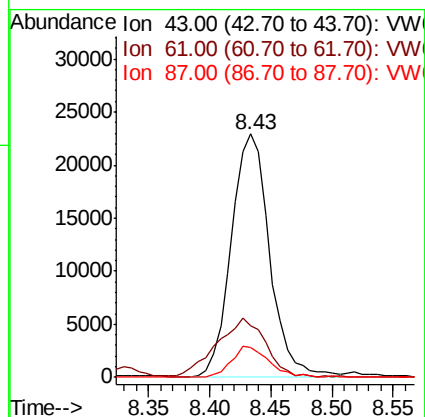
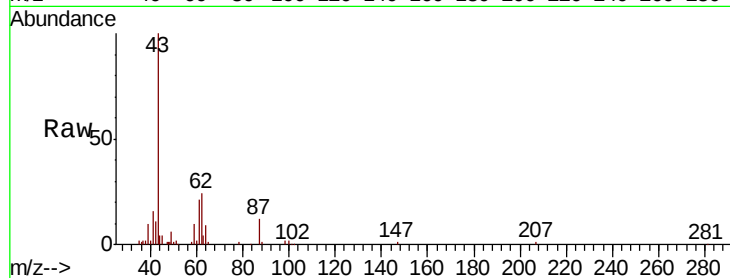
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	49971
Ion	Ratio	Lower	Upper
43	100		
61	29.9	23.8	35.6
87	12.5	10.1	15.1

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#44

Trichloroethene

Concen: 20.51 ug/l

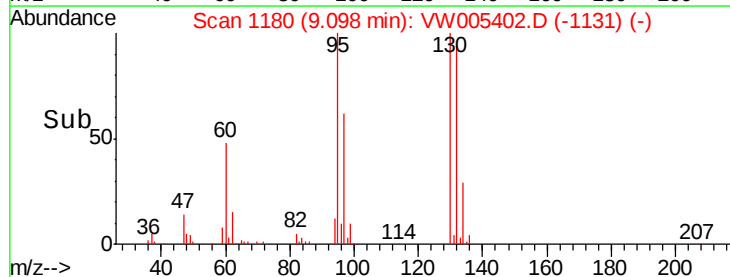
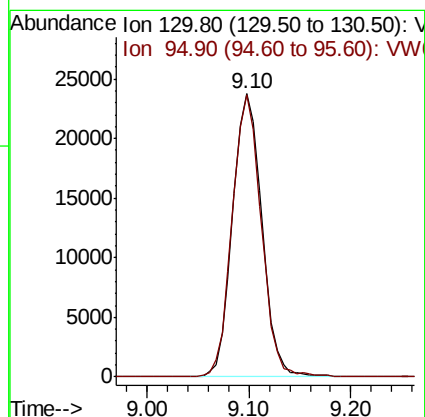
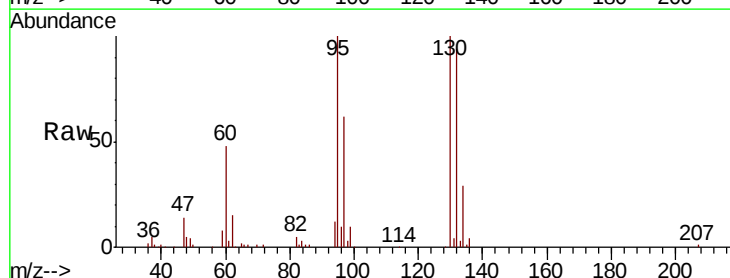
RT: 9.10 min Scan# 1180

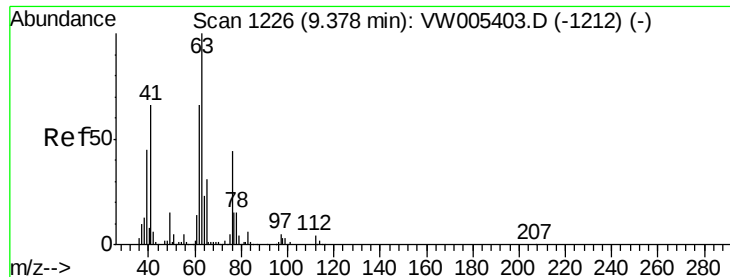
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	130	Resp:	47208
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	204.6





#45

1,2-Dichloropropane

Concen: 21.86 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.01 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 44519

Ion Ratio Lower Upper

63 100

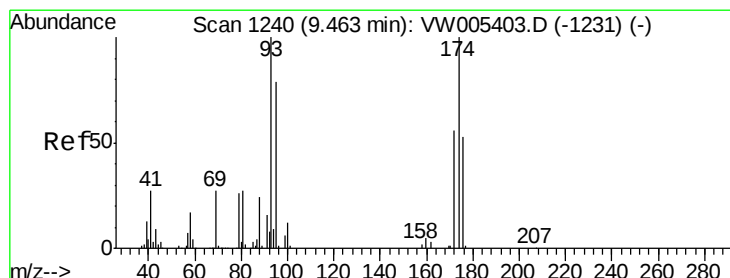
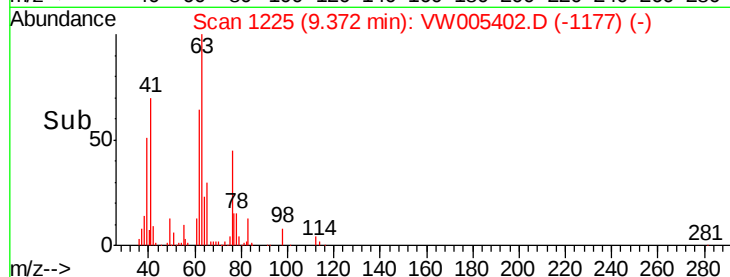
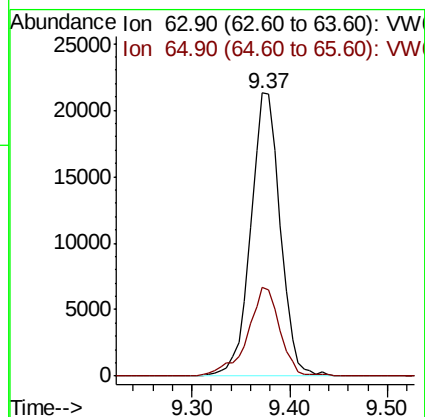
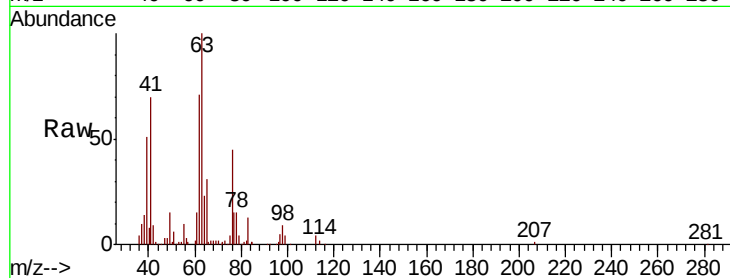
65 31.2 25.0 37.6

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#46

Dibromomethane

Concen: 22.02 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

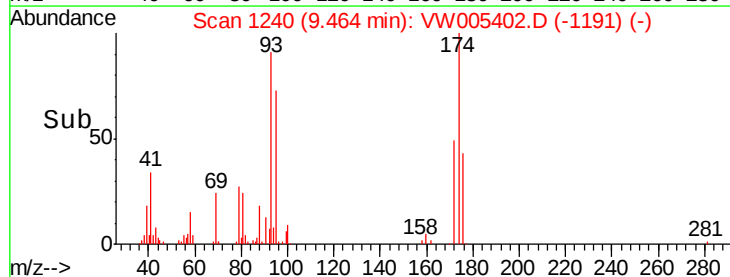
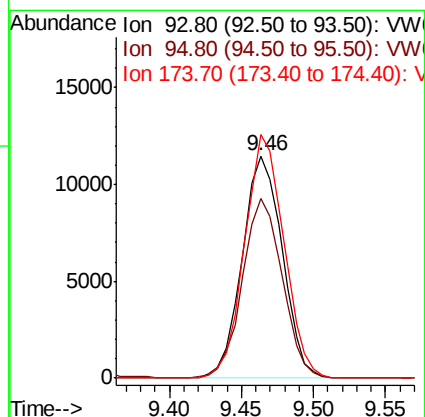
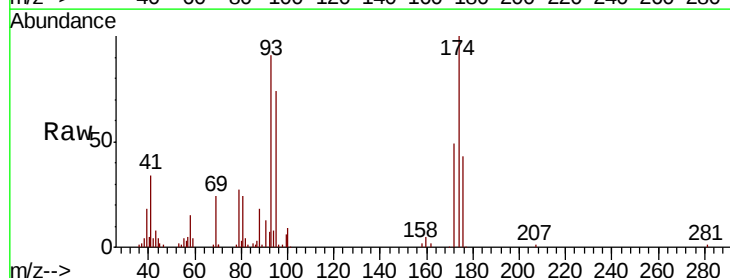
Tgt Ion: 93 Resp: 22123

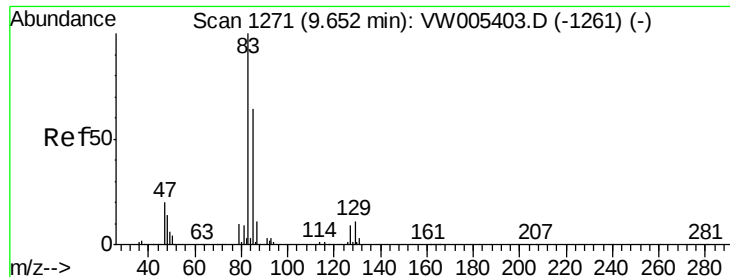
Ion Ratio Lower Upper

93 100

95 80.3 65.4 98.0

174 107.5 83.4 125.2





#47

Bromodichloromethane

Concen: 23.43 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

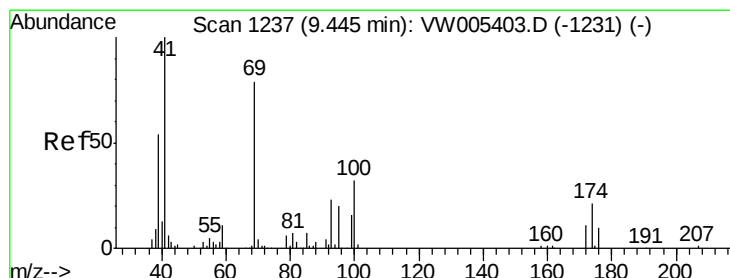
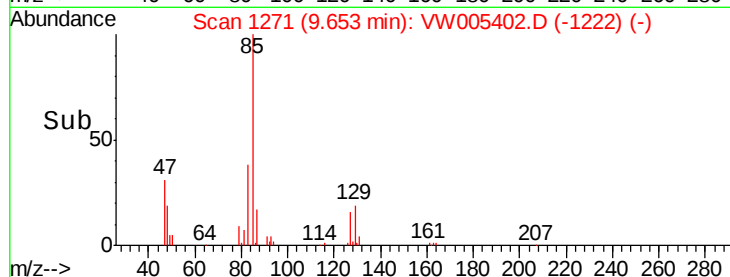
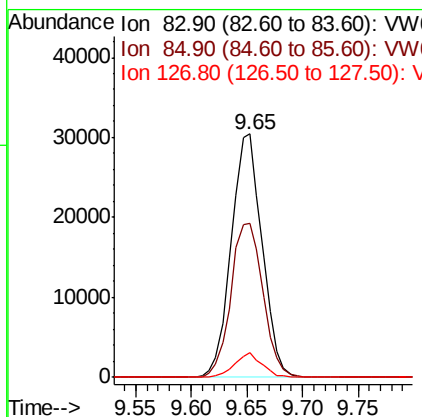
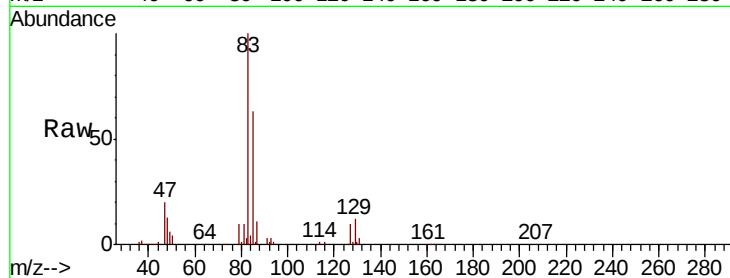
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	58411
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.9	76.3
127	9.9	7.0	10.4

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#48

Methyl methacrylate

Concen: 22.55 ug/l

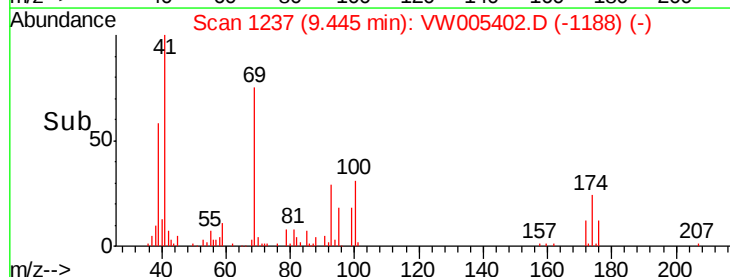
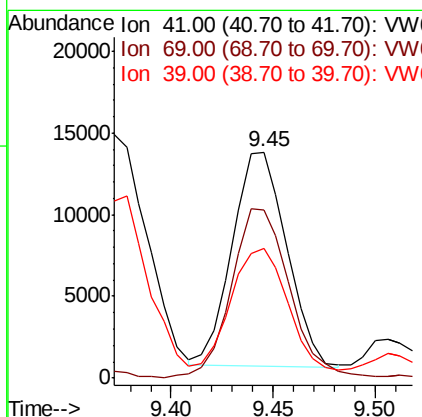
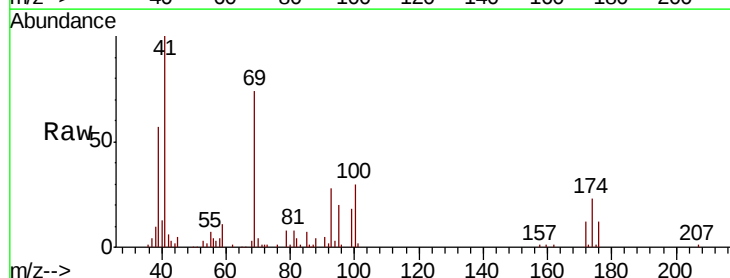
RT: 9.45 min Scan# 1237

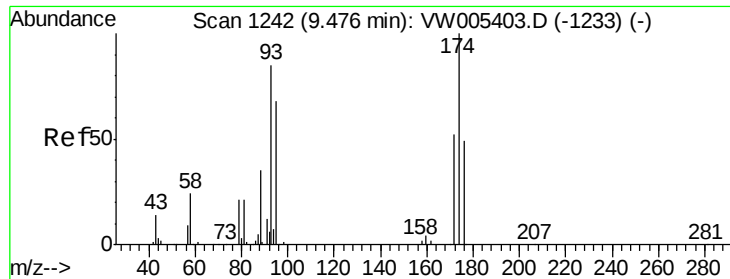
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	41	Resp:	24256
Ion Ratio	Lower	Upper	
41	100		
69	83.6	67.5	101.3
39	58.4	45.5	68.3





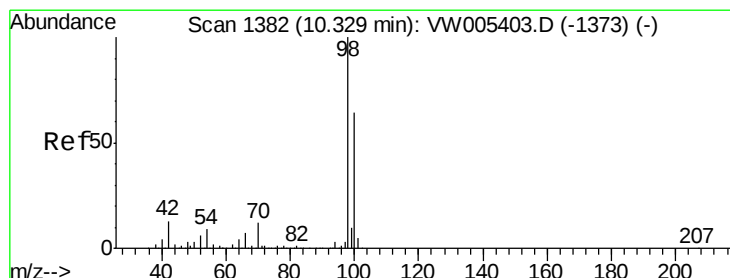
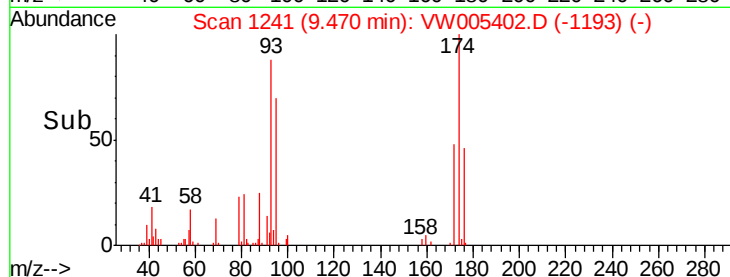
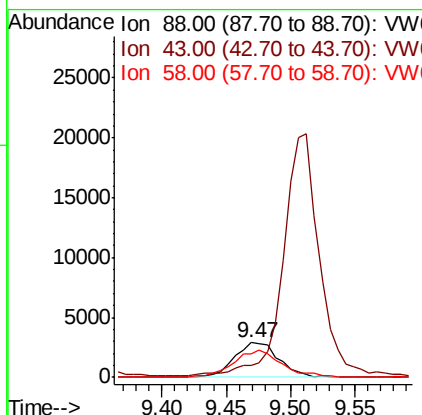
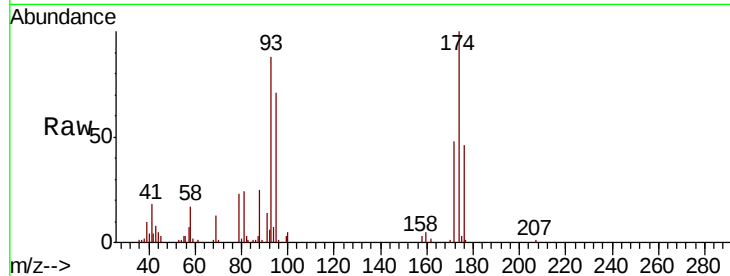
#49
1,4-Dioxane
Concen: 383.85 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	84.4	62.4	93.6

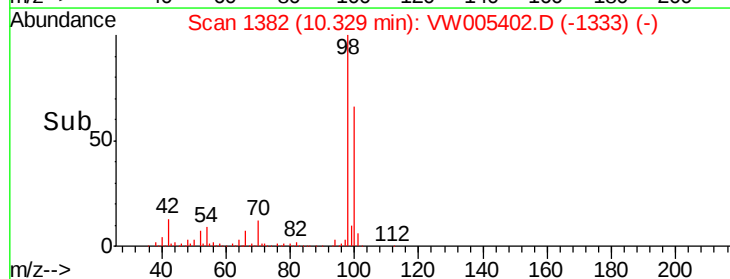
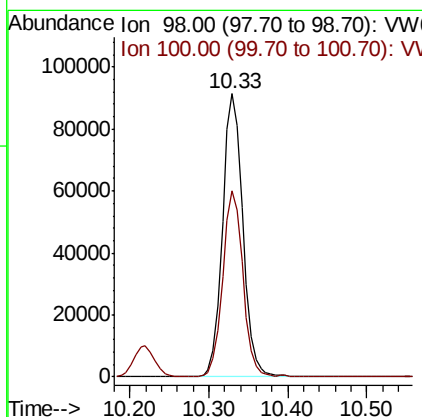
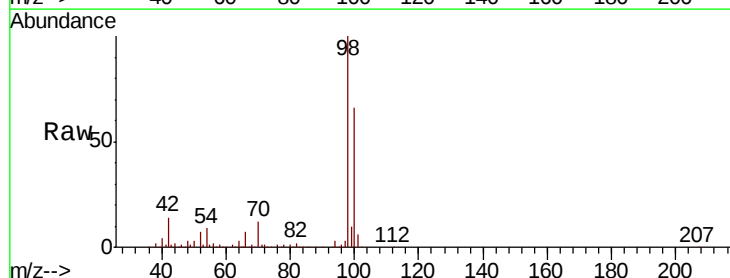
Manual Integrations
APPROVED

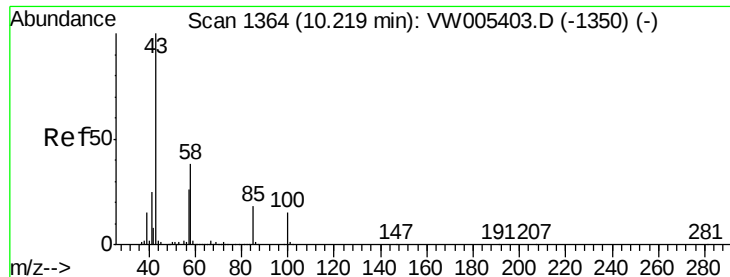
apatel
9/17/2018 2:23:51 PM



#50
Toluene-d8
Concen: 19.98 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 112.37 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 130242

Ion Ratio Lower Upper

43 100

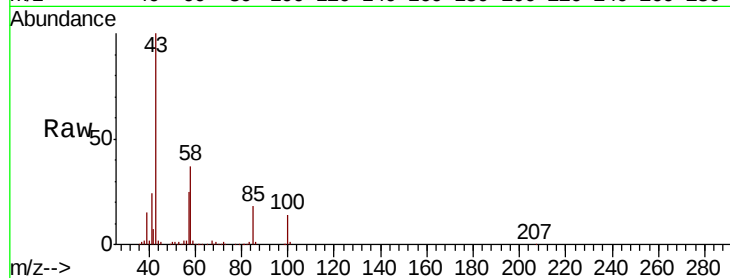
58 37.9 29.9 44.9

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

80000

60000

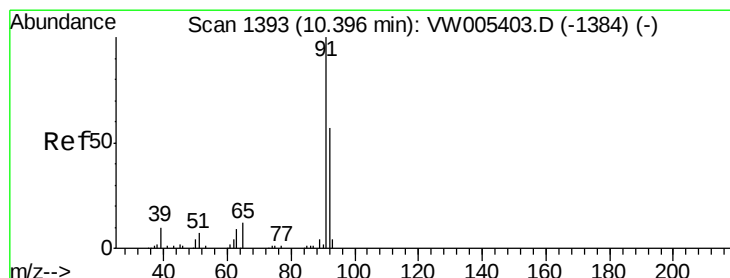
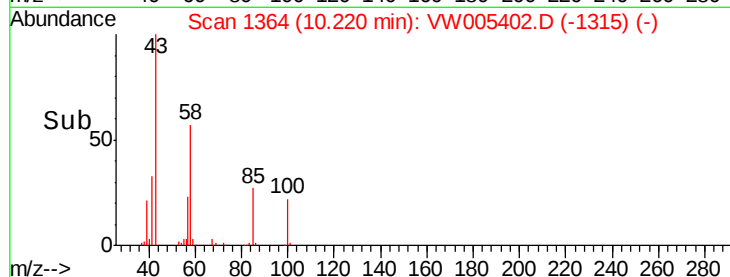
40000

20000

0

10.10 10.20 10.30

Time-->



#52

Toluene

Concen: 20.11 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005402.D

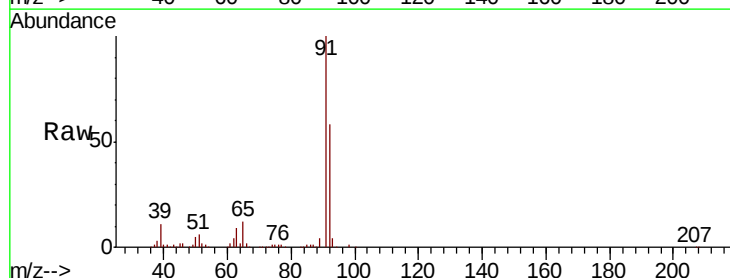
Acq: 14 Sep 2018 23:41

Tgt Ion: 92 Resp: 123165

Ion Ratio Lower Upper

92 100

91 174.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

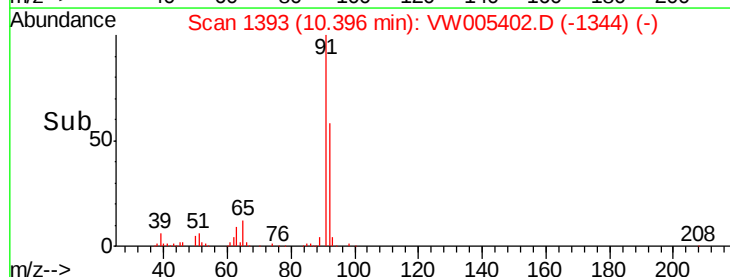
100000

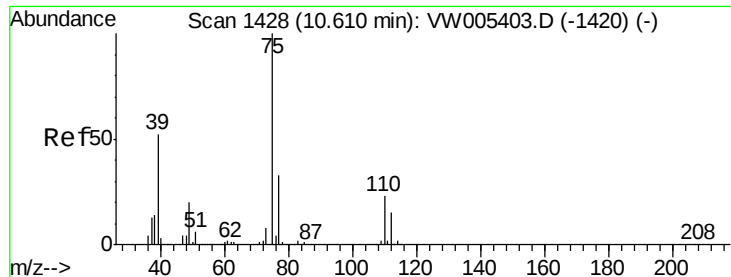
50000

0

10.30 10.40 10.50

Time-->





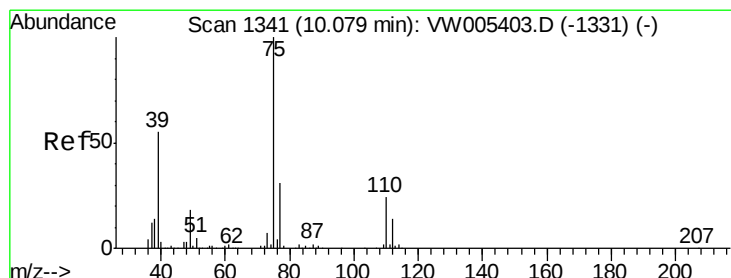
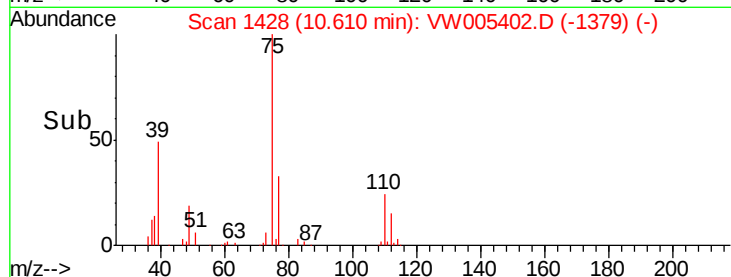
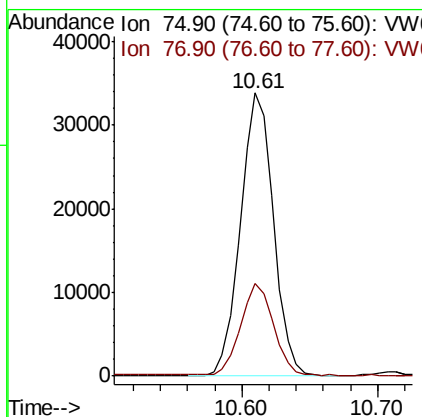
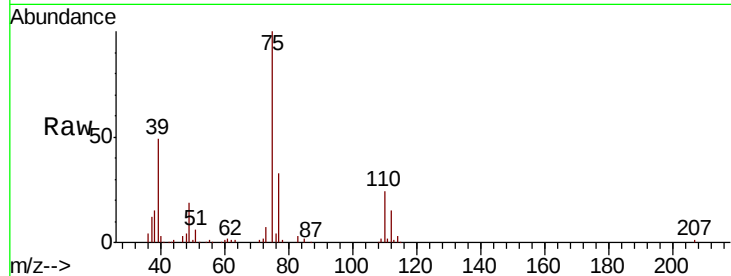
#53
t-1,3-Dichloropropene
Concen: 21.57 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	75	Resp	57362
Ion Ratio	Lower	Upper	
75	100		
77	32.5	26.5	39.7

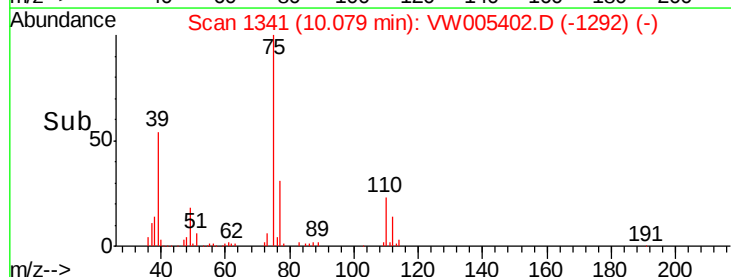
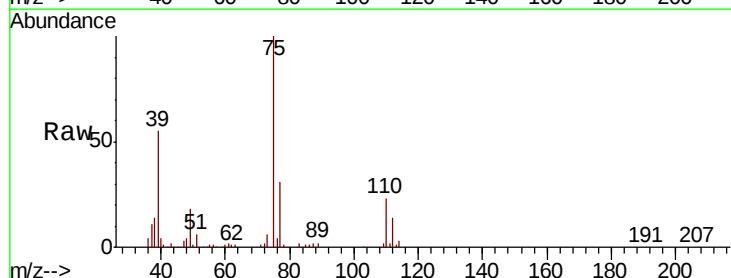
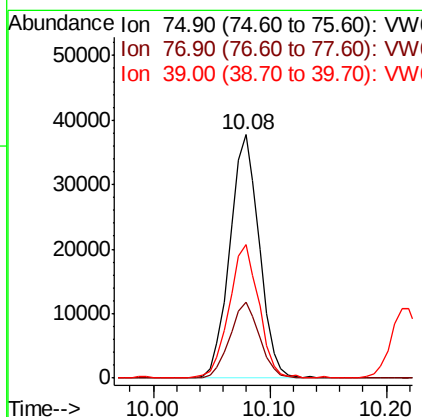
Manual Integrations
APPROVED

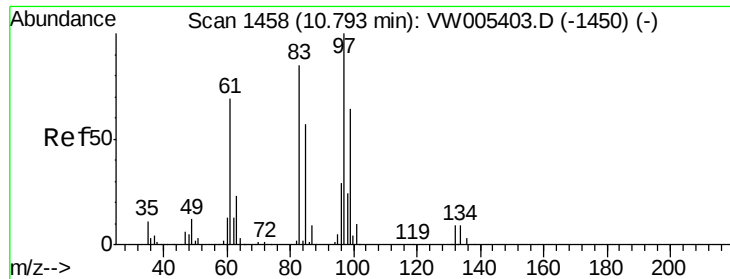
apatel
9/17/2018 2:23:51 PM



#54
cis-1,3-Dichloropropene
Concen: 21.06 ug/l
RT: 10.08 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	75	Resp	66382
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.0	37.4
39	54.5	44.2	66.2





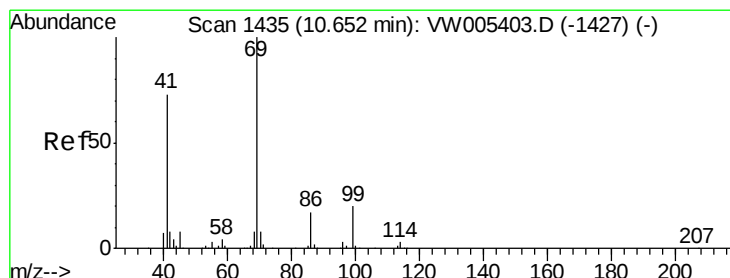
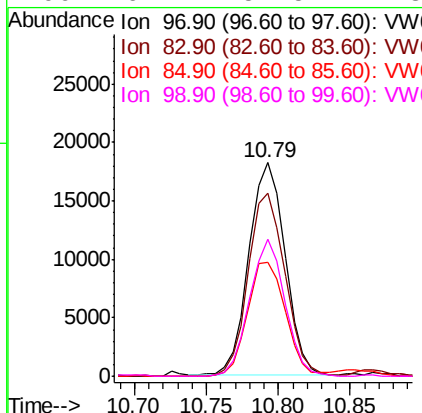
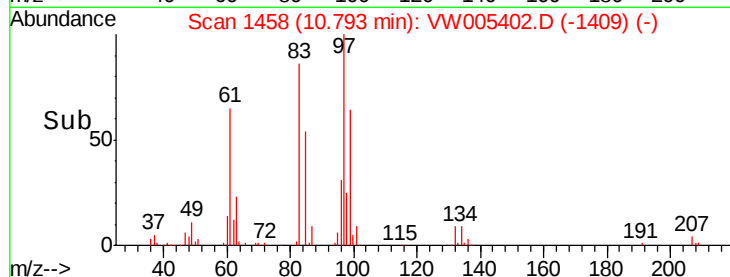
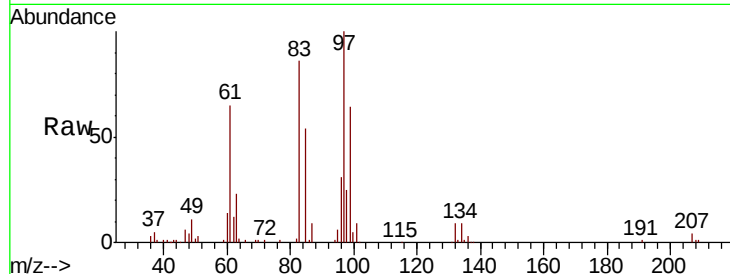
#55
 1,1,2-Trichloroethane
 Concen: 19.96 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion:	97	Resp:	31418
Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.8	101.8
85	53.9	45.4	68.0
99	64.2	51.5	77.3

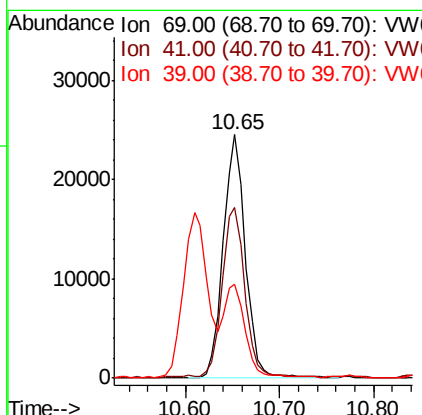
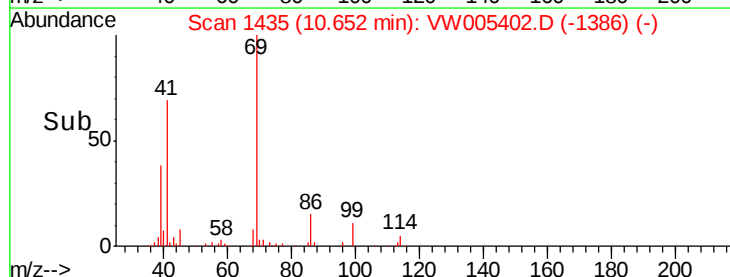
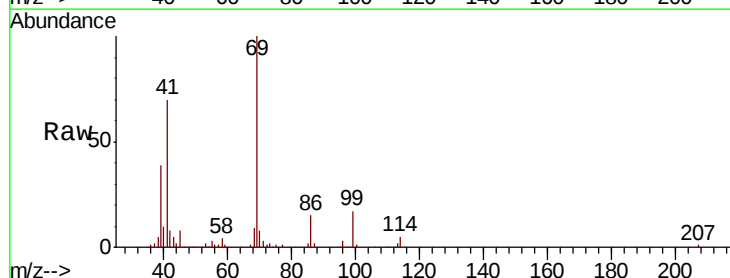
Manual Integrations
 APPROVED

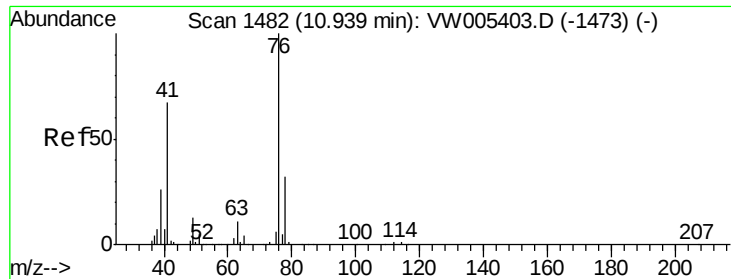
apatel
 9/17/2018 2:23:51 PM



#56
 Ethyl methacrylate
 Concen: 20.02 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion:	69	Resp:	40090
Ion	Ratio	Lower	Upper
69	100		
41	71.2	59.3	88.9
39	36.2	30.2	45.4





#57

1,3-Dichloropropane

Concen: 21.28 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 56225

Ion Ratio Lower Upper

76 100

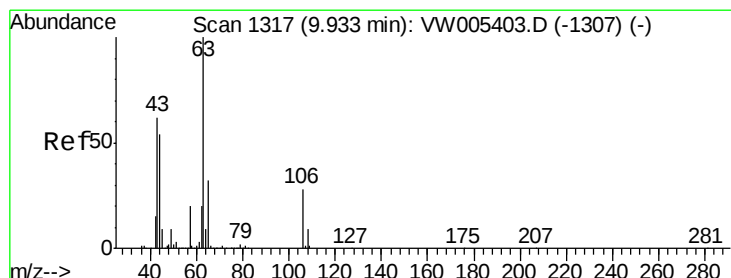
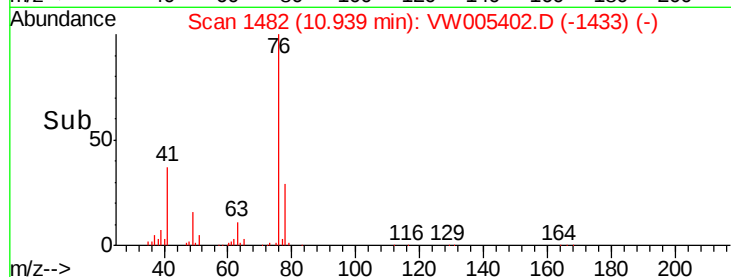
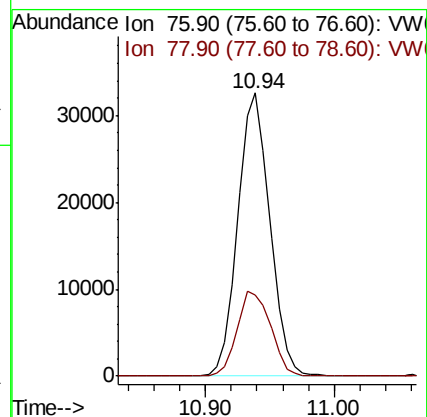
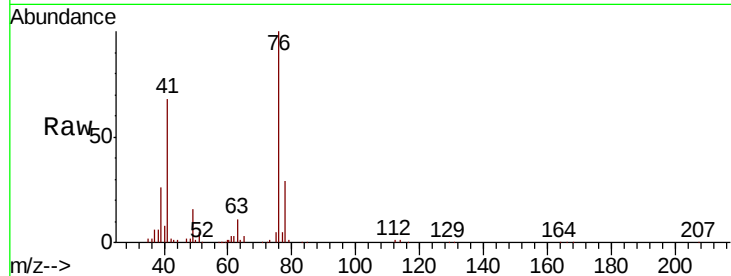
78 31.3 25.6 38.4

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#58

2-Chloroethyl Vinyl ether

Concen: 106.41 ug/l

RT: 9.93 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VW005402.D

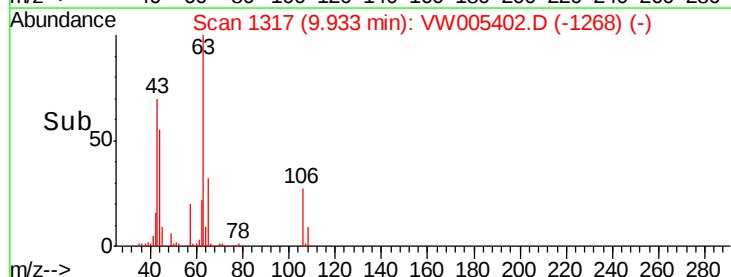
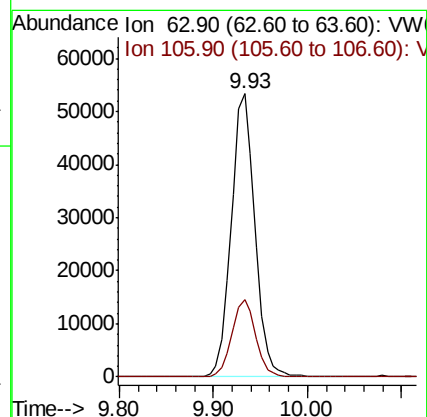
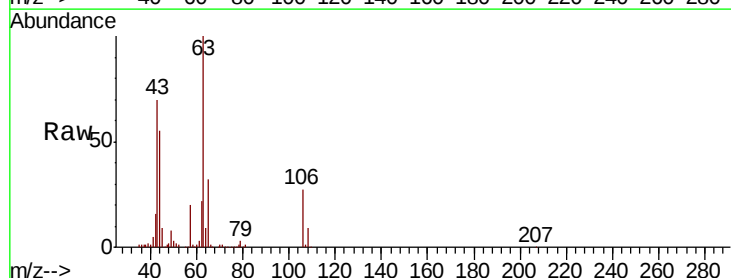
Acq: 14 Sep 2018 23:41

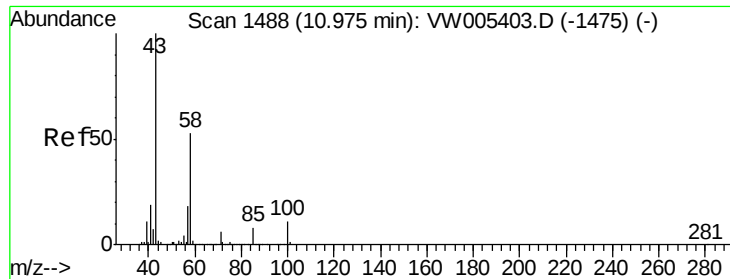
Tgt Ion: 63 Resp: 93056

Ion Ratio Lower Upper

63 100

106 27.2 22.0 33.0





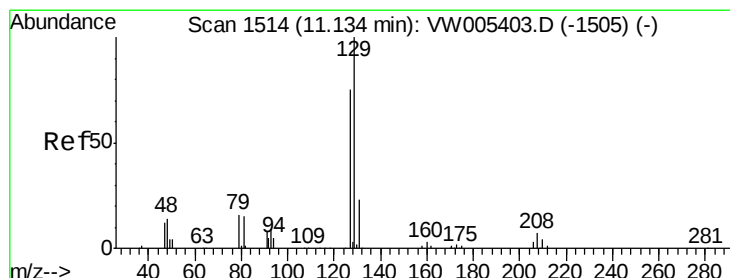
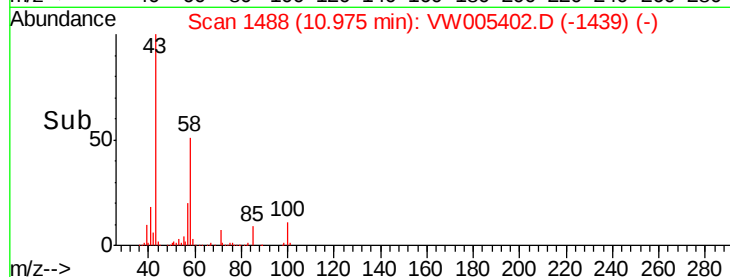
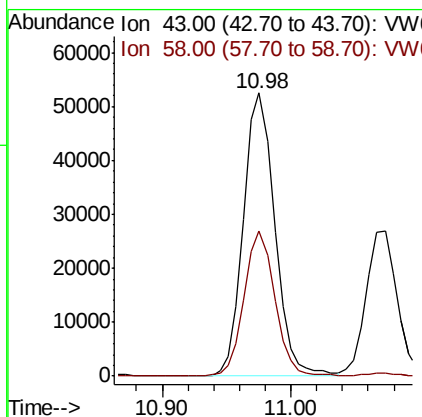
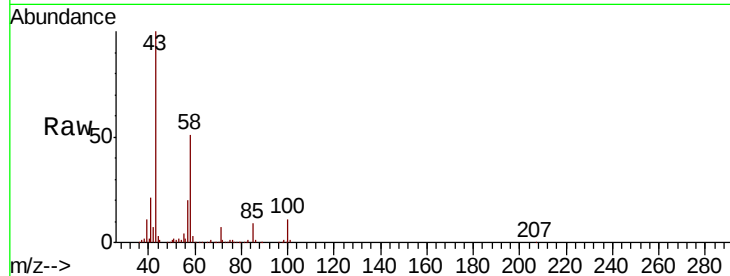
#59
2-Hexanone
Concen: 106.46 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	88589
Ion Ratio	Lower	Upper	
43	100		
58	50.4	25.5	76.5

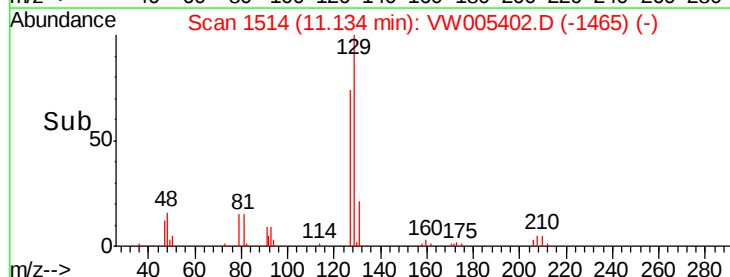
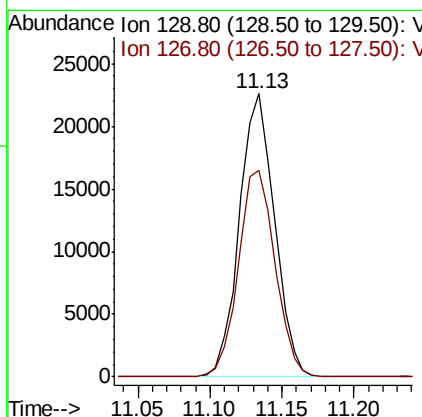
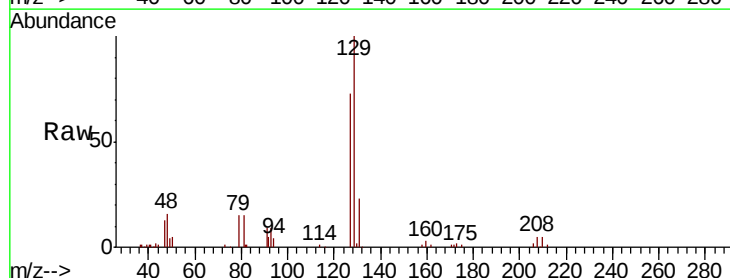
Manual Integrations
APPROVED

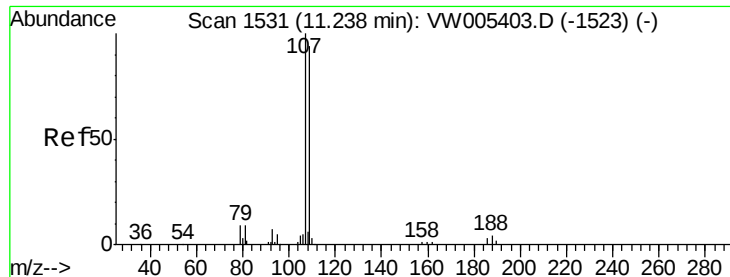
apatel
9/17/2018 2:23:51 PM



#60
Dibromochloromethane
Concen: 21.62 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	129	Resp	38307
Ion Ratio	Lower	Upper	
129	100		
127	76.1	38.5	115.3





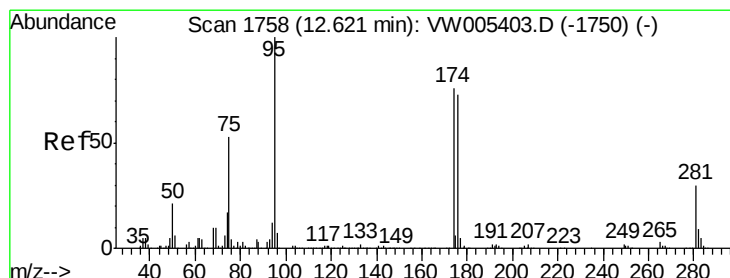
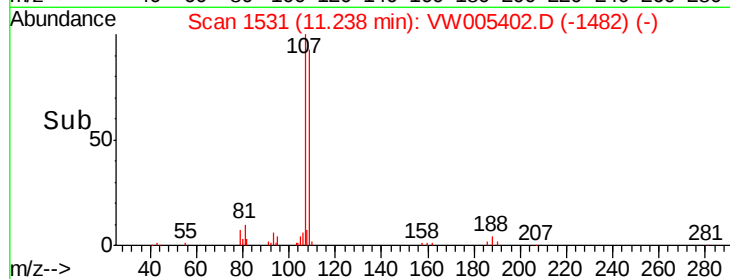
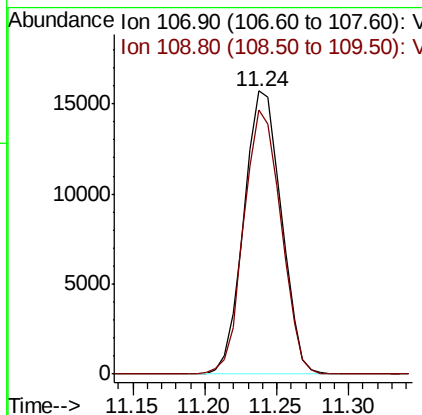
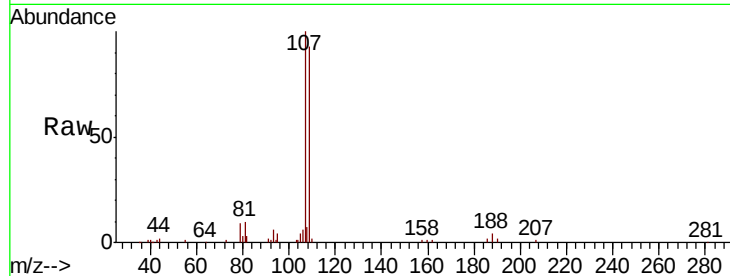
#61
 1,2-Dibromoethane
 Concen: 19.62 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.0	112.6

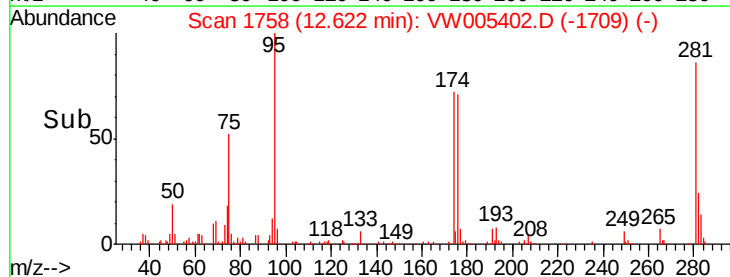
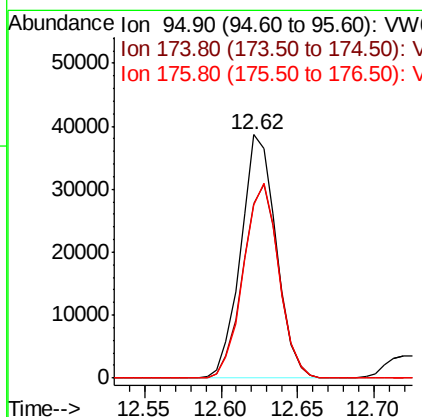
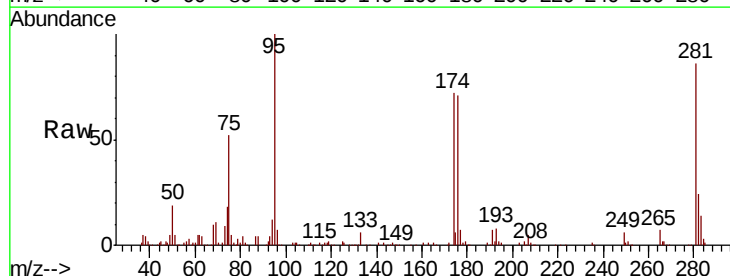
Manual Integrations
 APPROVED

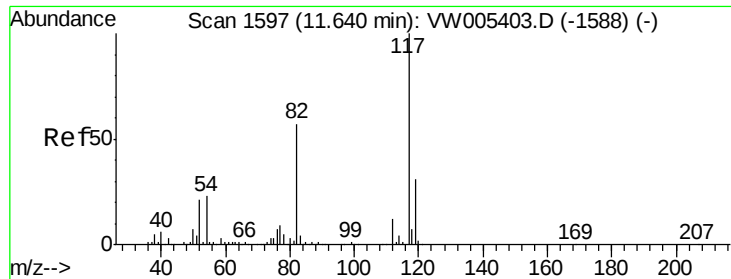
apatel
 9/17/2018 2:23:51 PM



#62
 4-Bromofluorobenzene
 Concen: 20.50 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	161.2
176	80.1	0.0	156.6





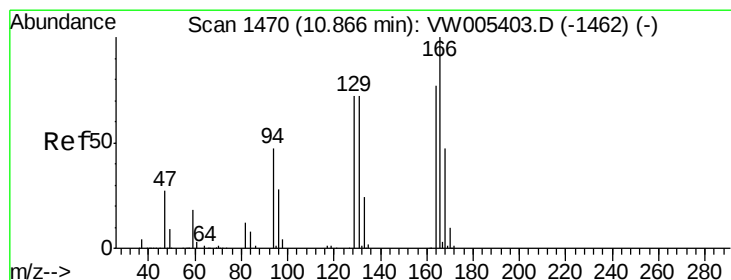
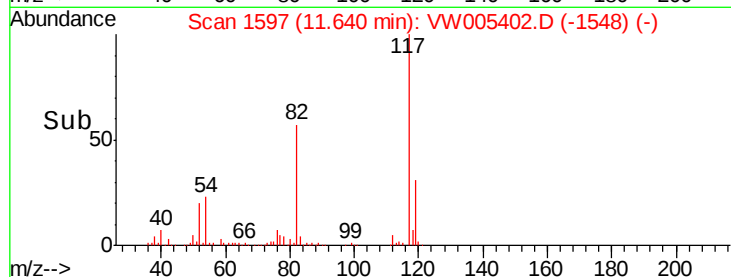
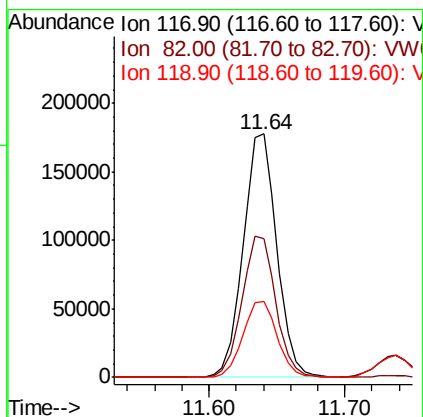
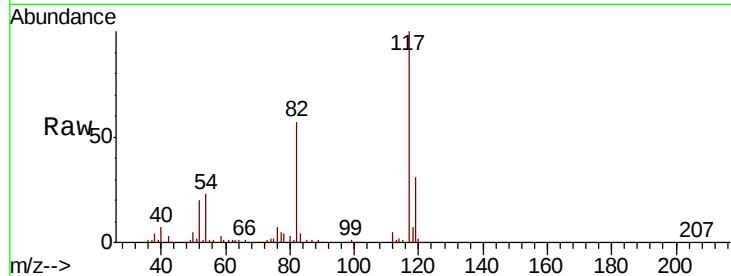
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.9	68.9
119	31.4	24.8	37.2

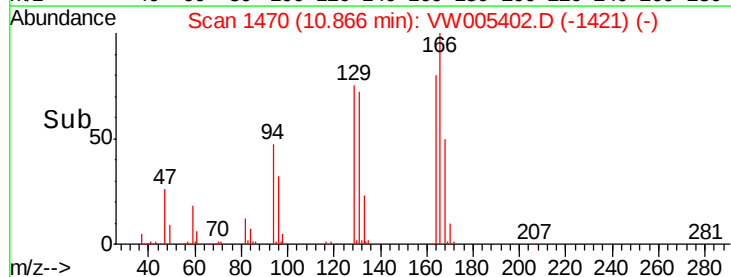
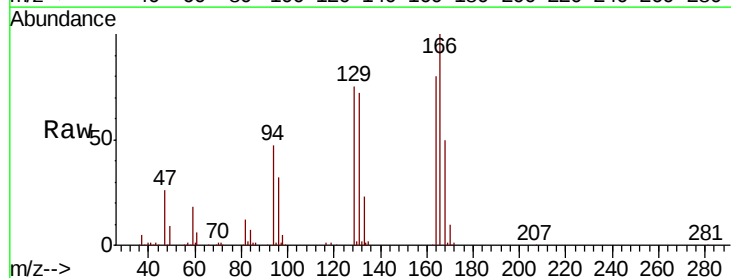
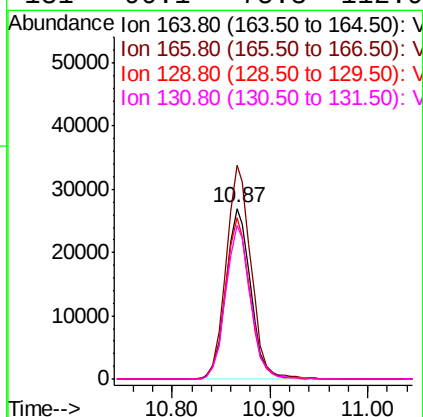
Manual Integrations
APPROVED

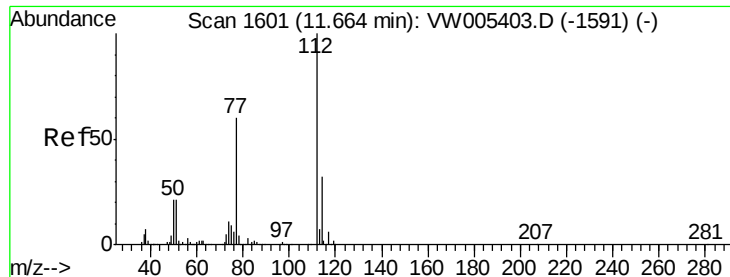
apatel
9/17/2018 2:23:51 PM



#64
Tetrachloroethene
Concen: 20.79 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	104.0	156.0
129	94.5	74.9	112.3
131	90.1	75.3	112.9





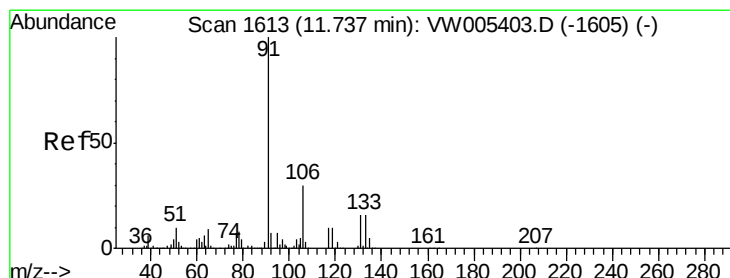
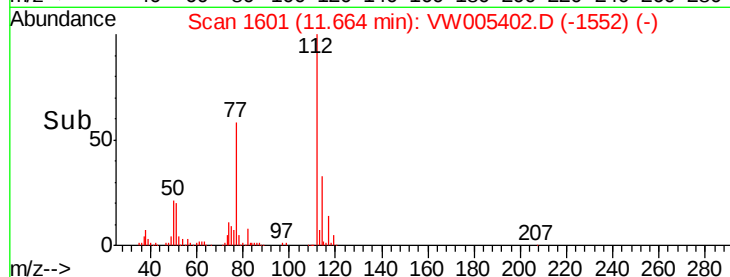
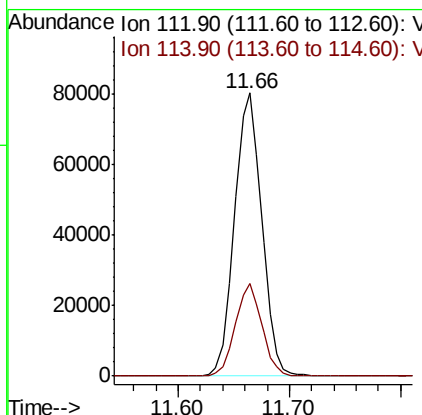
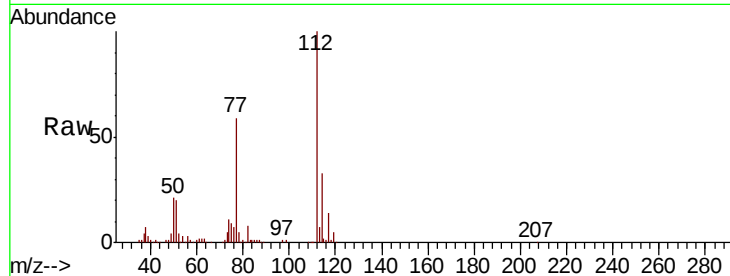
#65
Chlorobenzene
Concen: 20.47 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.3	37.9

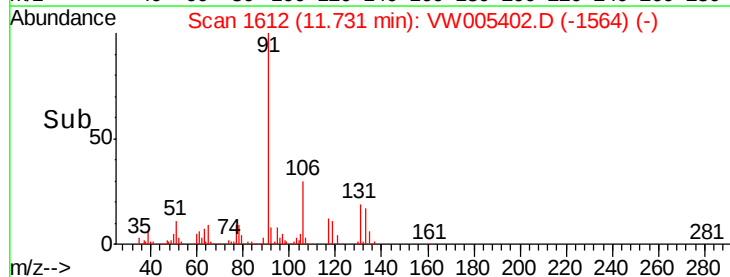
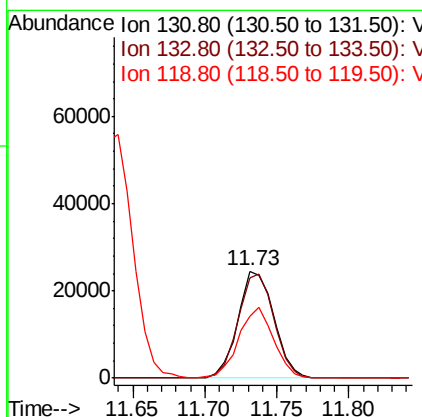
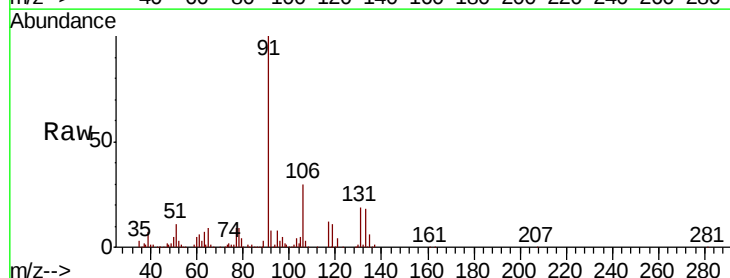
Manual Integrations
APPROVED

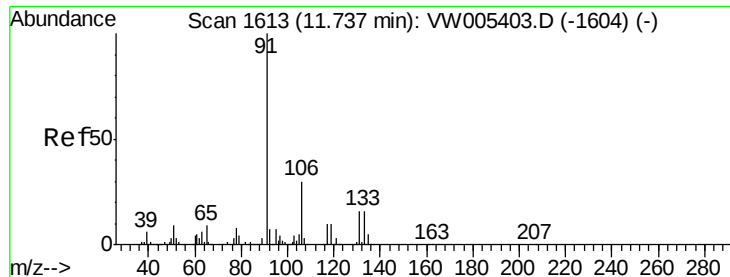
apatel
9/17/2018 2:23:51 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.06 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	47.3	141.9
119	64.3	31.1	93.5





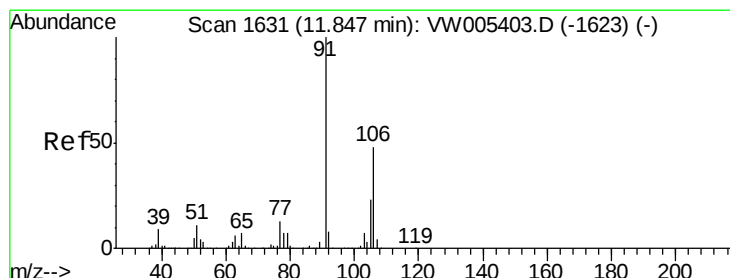
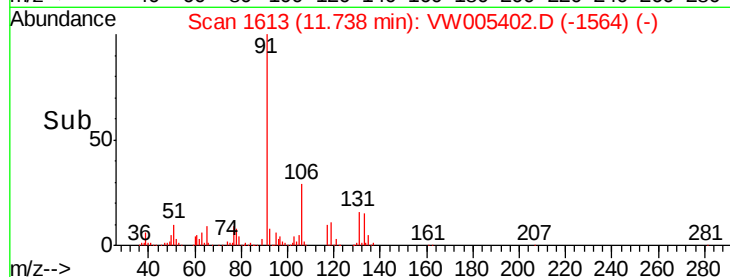
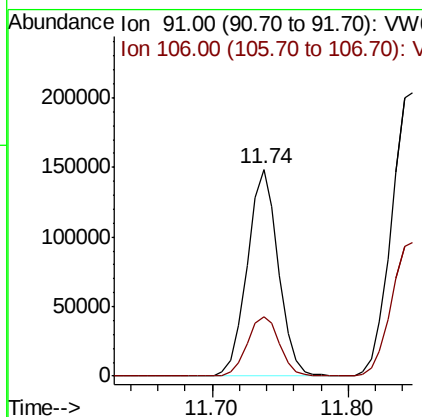
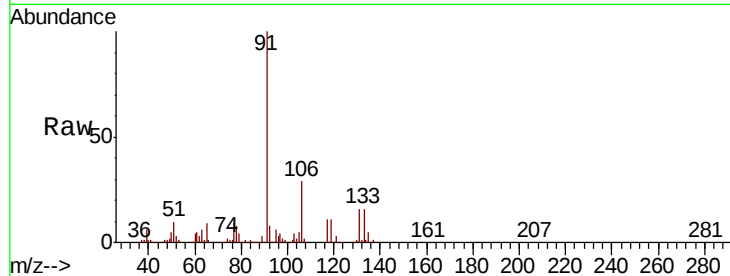
#67
Ethyl Benzene
Concen: 20.46 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.0	24.2	36.4

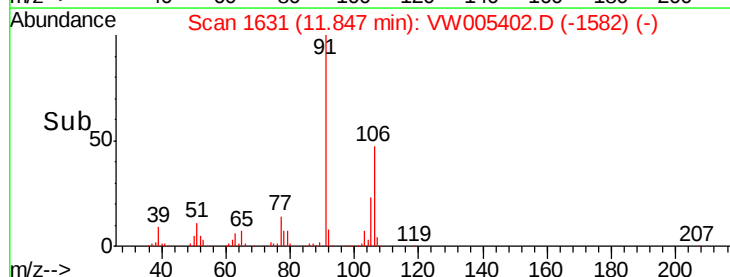
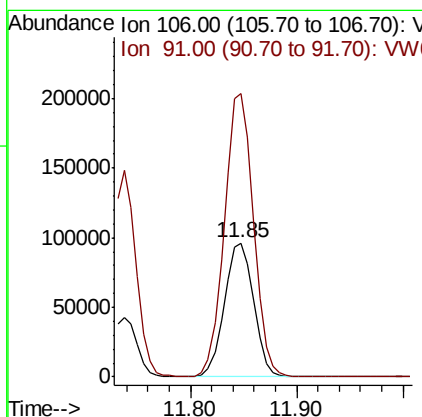
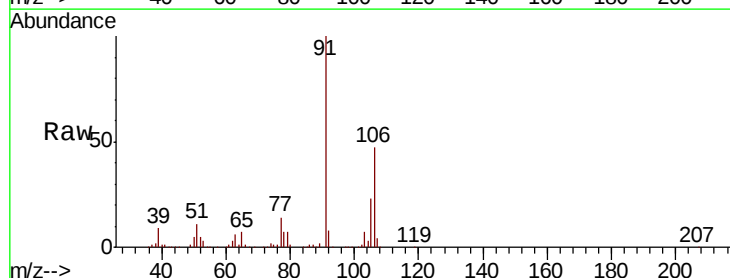
Manual Integrations
APPROVED

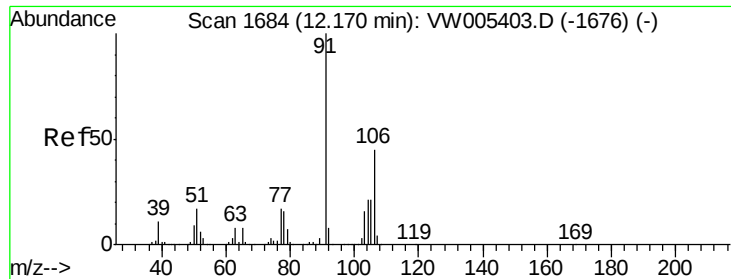
apatel
9/17/2018 2:23:51 PM



#68
m/p-Xylenes
Concen: 39.77 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.1	167.9	251.9





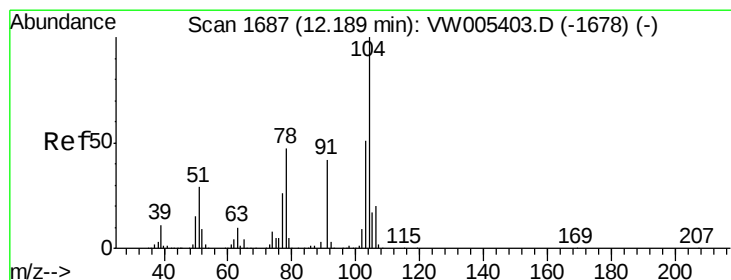
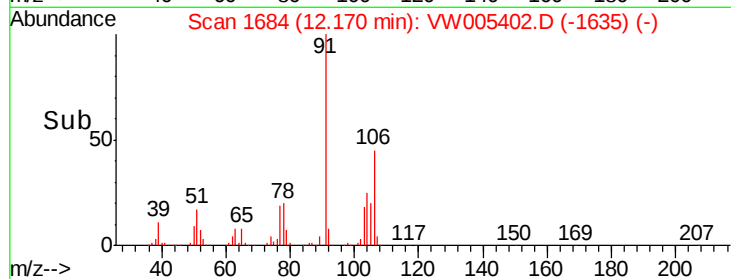
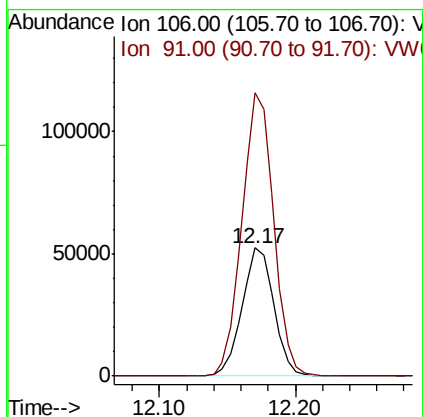
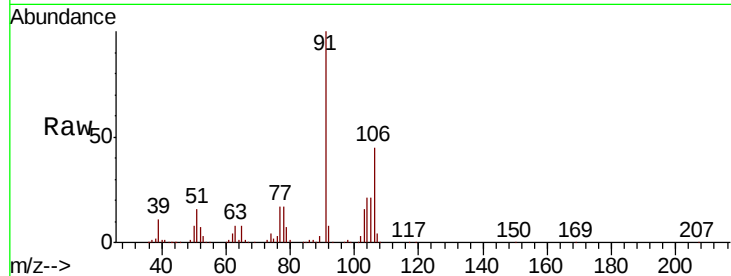
#69
o-Xylene
Concen: 19.82 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 85842
Ion Ratio Lower Upper
106 100
91 220.6 110.6 331.6

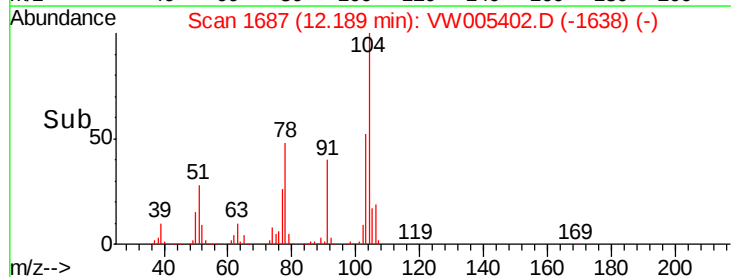
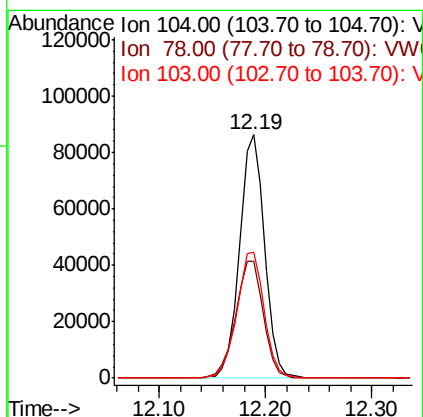
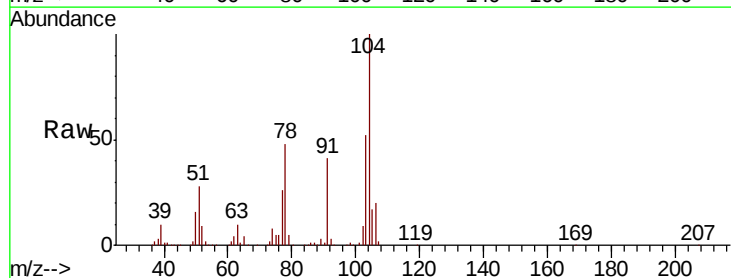
Manual Integrations
APPROVED

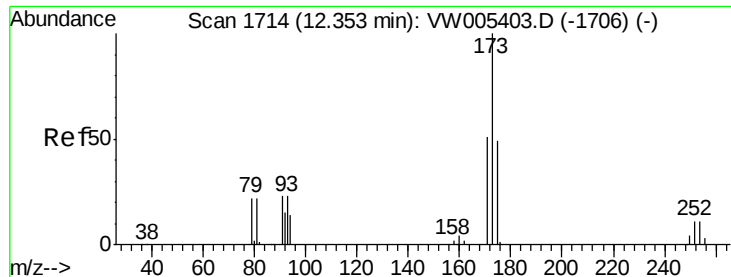
apatel
9/17/2018 2:23:51 PM



#70
Styrene
Concen: 20.12 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion:104 Resp: 142618
Ion Ratio Lower Upper
104 100
78 53.5 42.4 63.6
103 56.3 44.8 67.2





#71

Bromoform

Concen: 21.15 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 23005

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

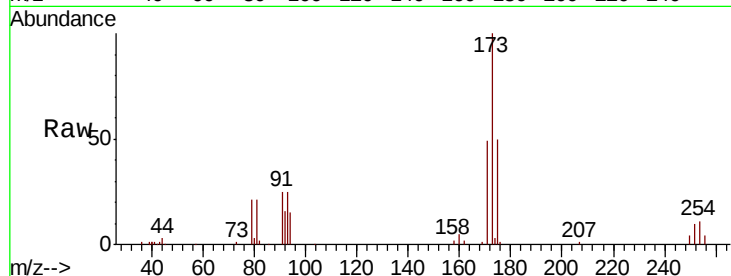
254 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

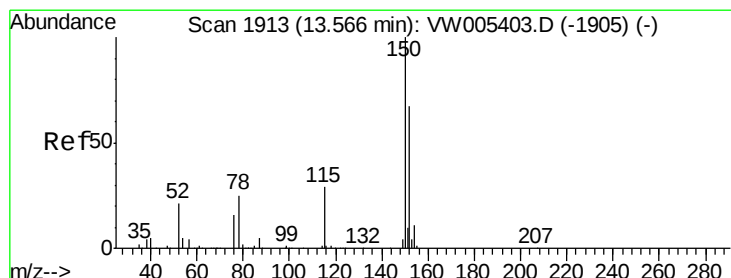
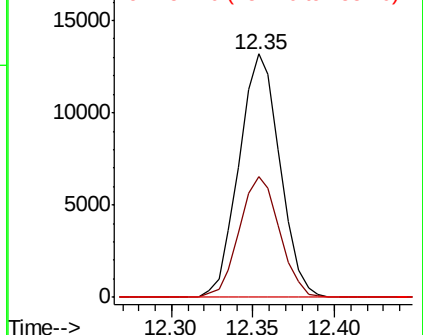
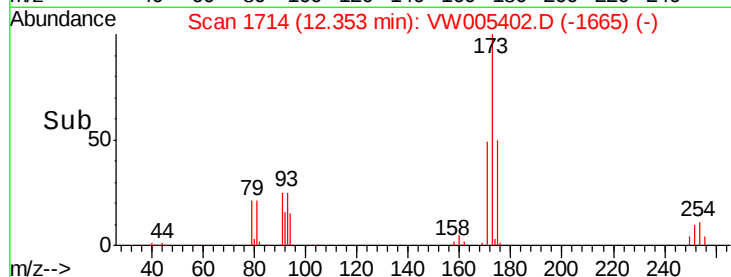
9/17/2018 2:23:51 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

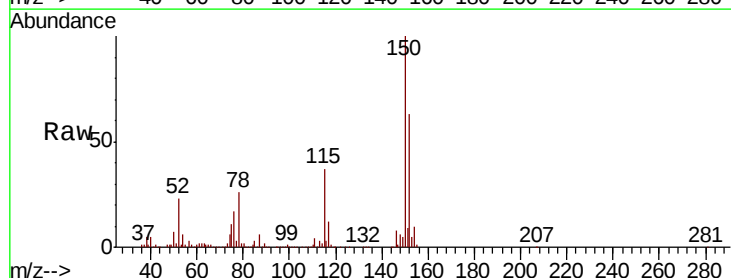
Tgt Ion:152 Resp: 165224

Ion Ratio Lower Upper

152 100

115 58.5 29.5 88.5

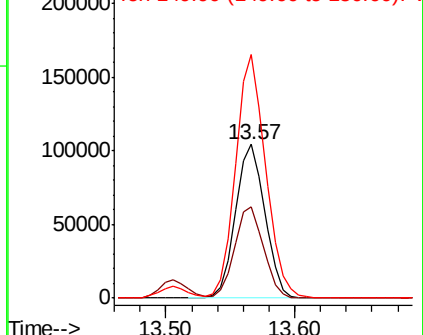
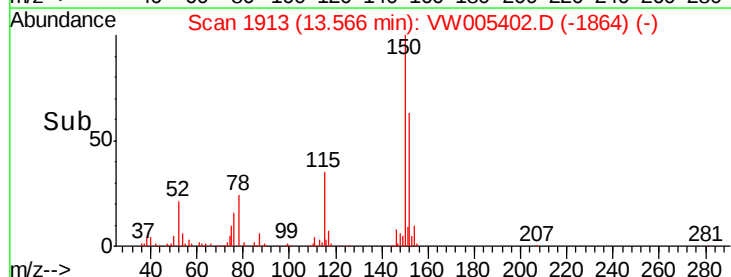
150 161.0 0.0 345.6

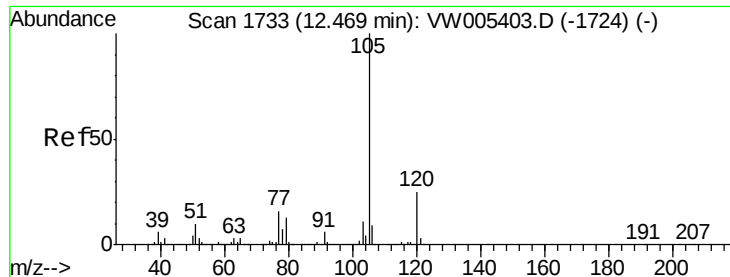


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.21 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 234440

Ion Ratio Lower Upper

105 100

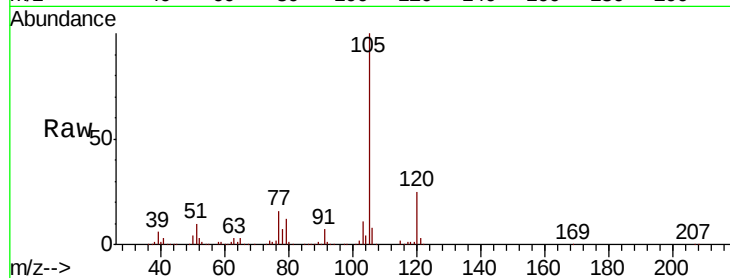
120 25.8 12.9 38.6

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

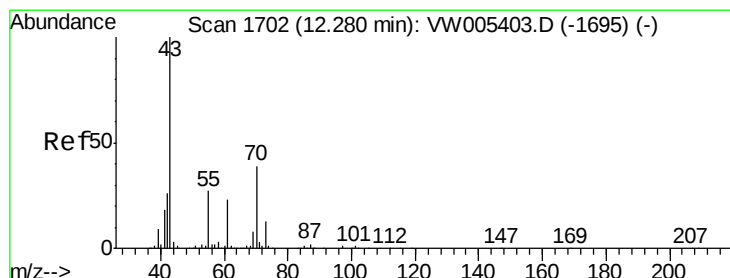
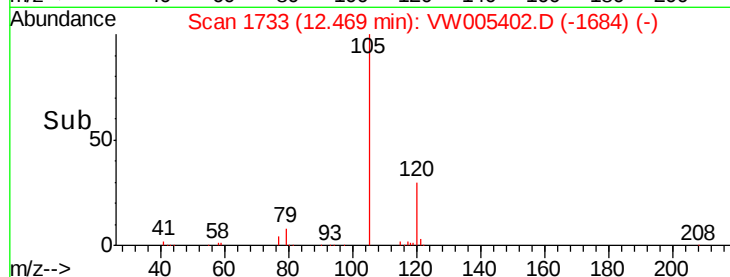
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.84 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion: 43 Resp: 49225

Ion Ratio Lower Upper

43 100

70 40.8 31.9 47.9

55 28.1 21.4 32.0

61 23.6 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

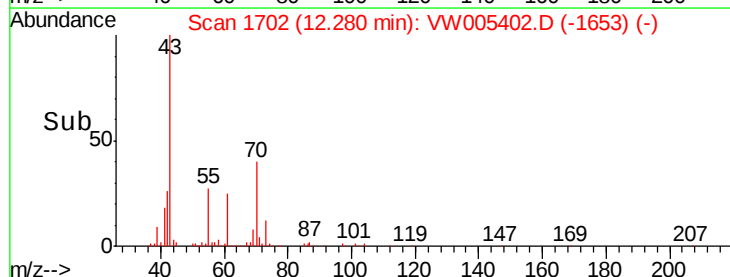
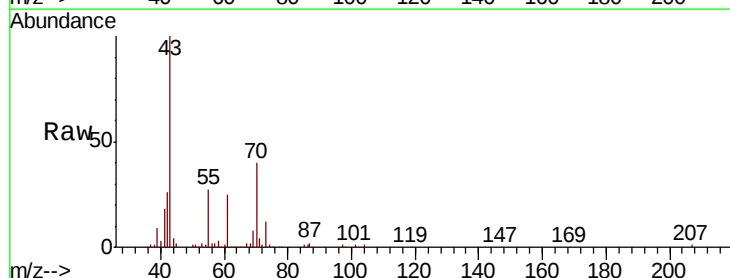
30000

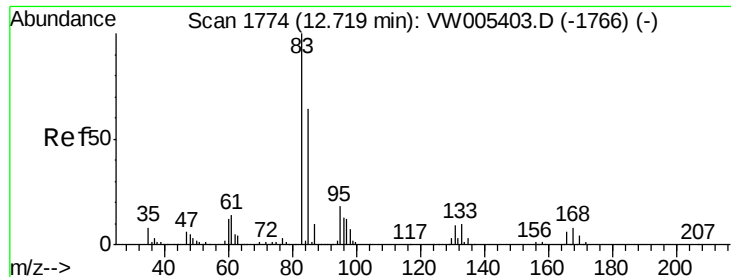
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.87 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

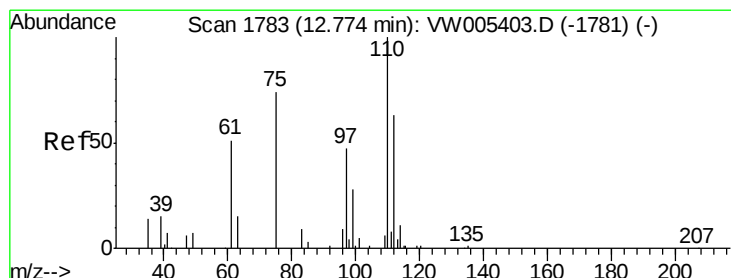
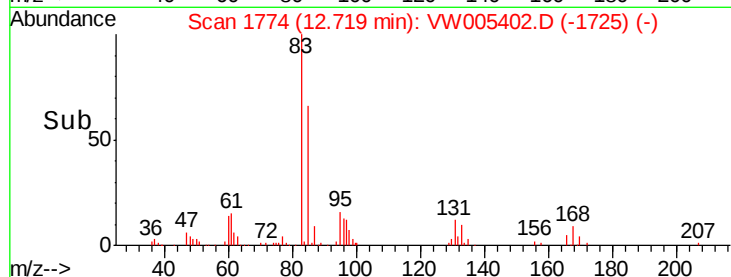
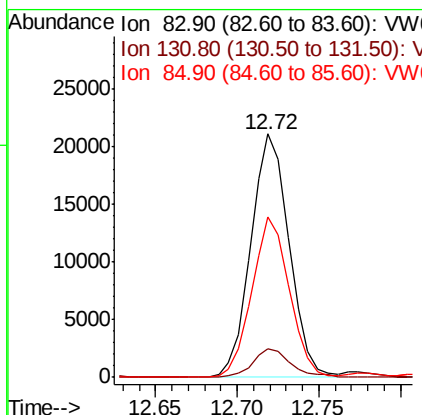
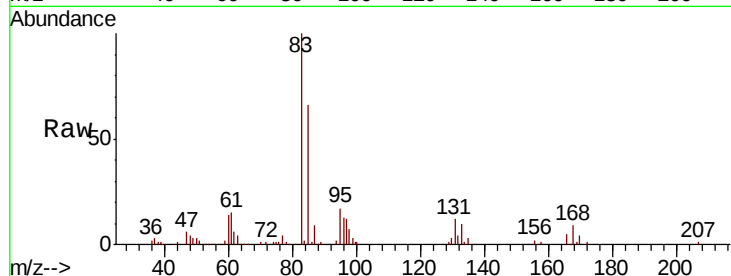
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	34496
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.7	17.1
85	64.7	31.6	95.0

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#76

1,2,3-Trichloropropane

Concen: 25.01 ug/l m

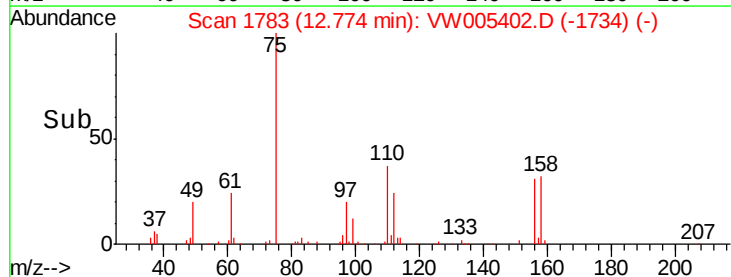
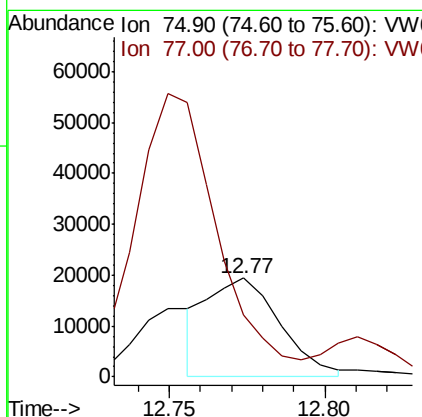
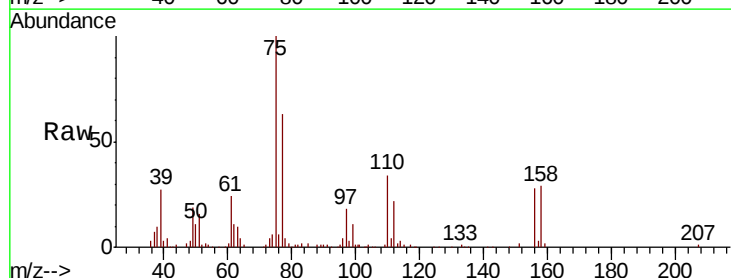
RT: 12.77 min Scan# 1783

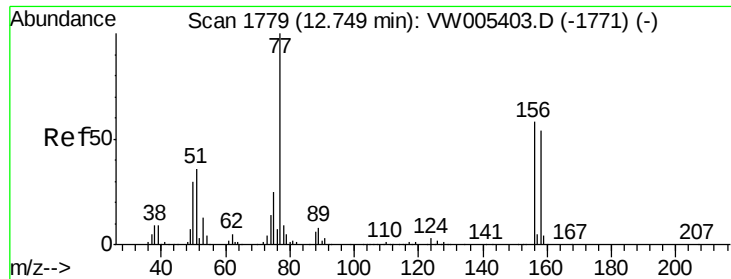
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	75	Resp:	31723
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





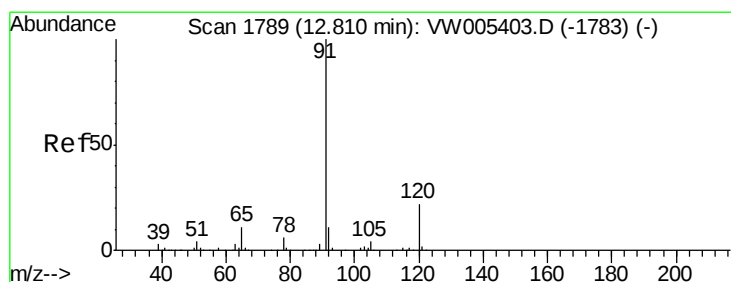
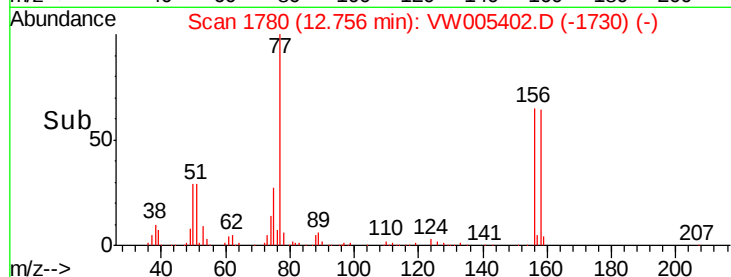
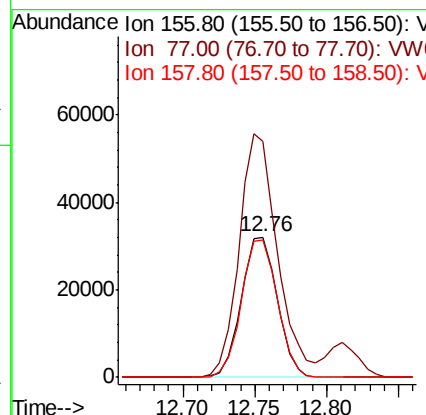
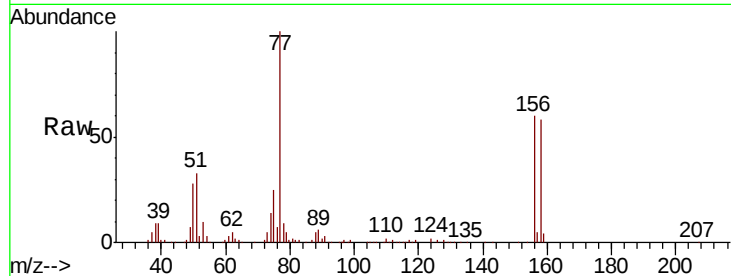
#77
Bromobenzene
Concen: 20.21 ug/l
RT: 12.76 min Scan# 1780
Delta R.T. 0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.6	92.8	278.3
158	98.1	48.2	144.6

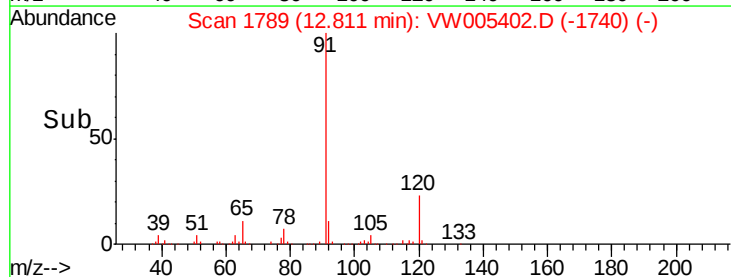
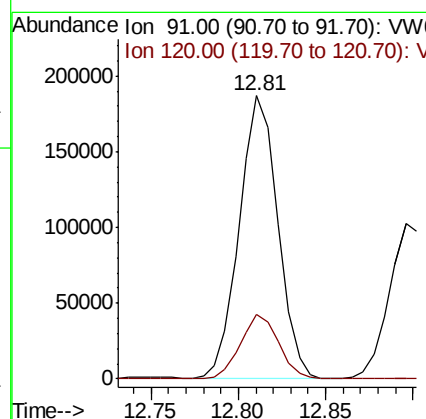
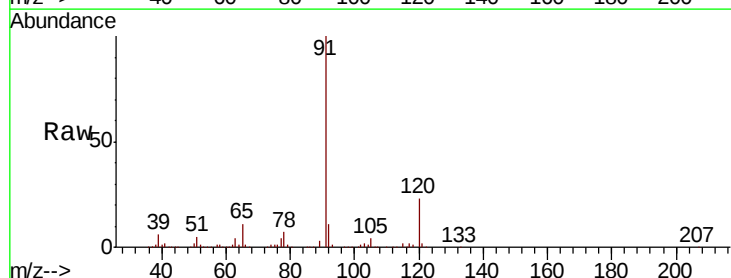
Manual Integrations
APPROVED

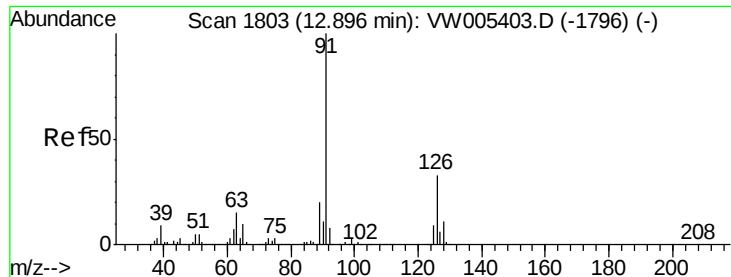
apatel
9/17/2018 2:23:51 PM



#78
n-propylbenzene
Concen: 20.38 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 20.94 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 168843

Ion Ratio Lower Upper

91 100

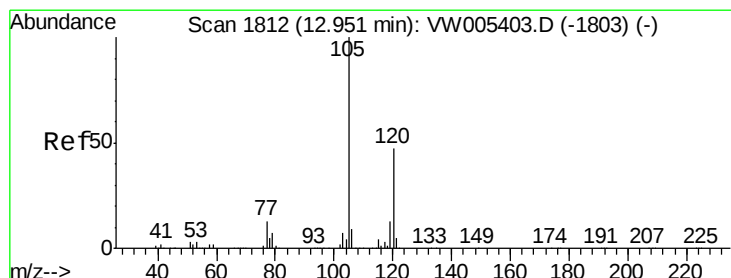
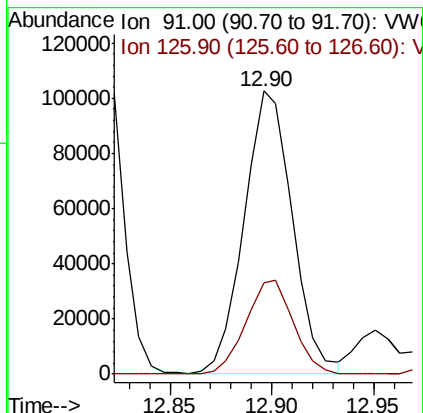
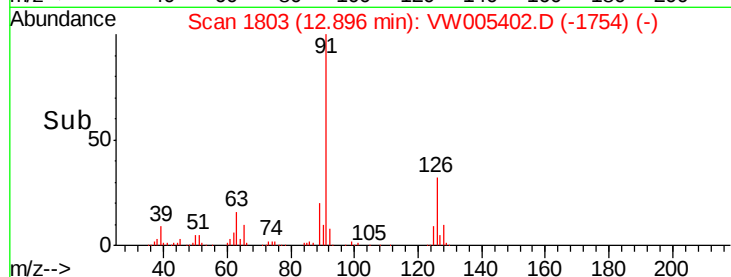
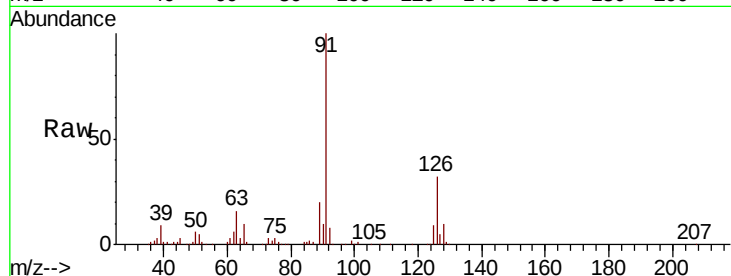
126 32.9 16.4 49.1

Manual Integrations

APPROVED

apatel

9/17/2018 2:23:51 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.02 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005402.D

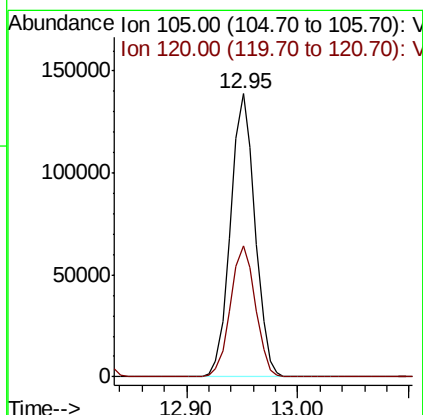
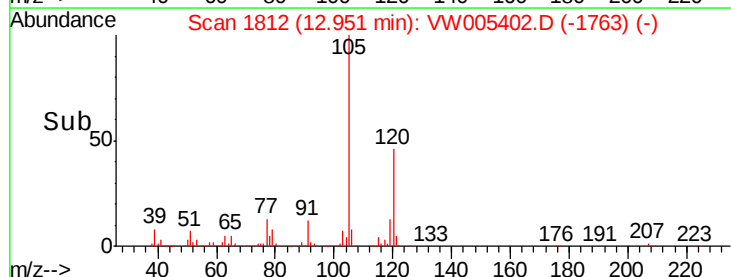
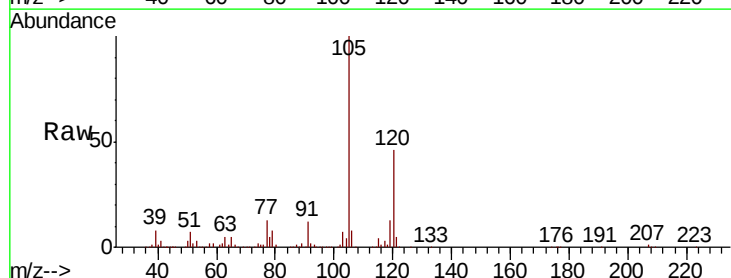
Acq: 14 Sep 2018 23:41

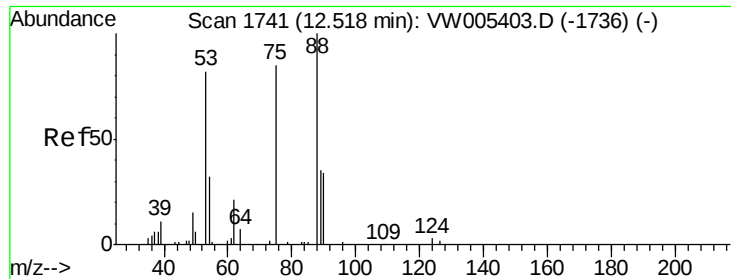
Tgt Ion:105 Resp: 210151

Ion Ratio Lower Upper

105 100

120 47.3 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 19.86 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

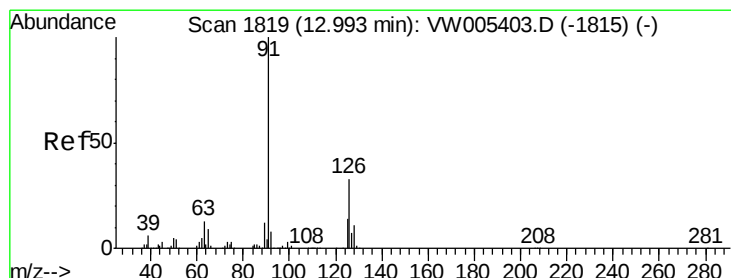
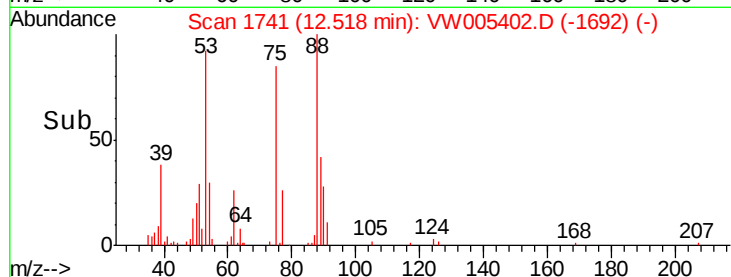
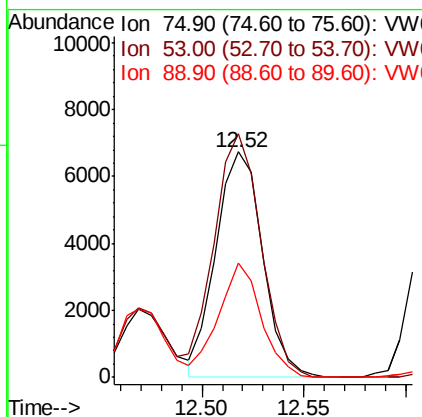
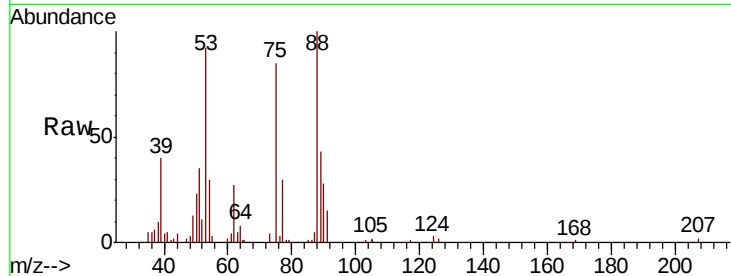
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	10675
Ion	Ratio	Lower	Upper
75	100		
53	110.2	83.2	124.8
89	46.5	36.6	54.8

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#82

4-Chlorotoluene

Concen: 21.37 ug/l

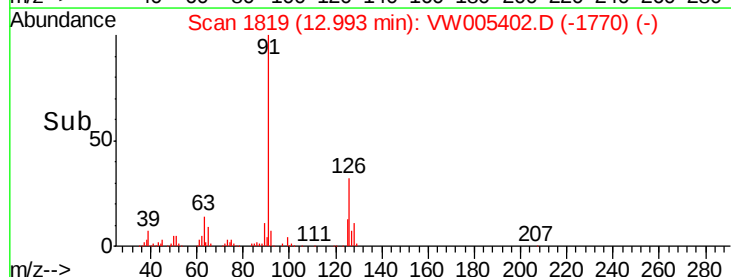
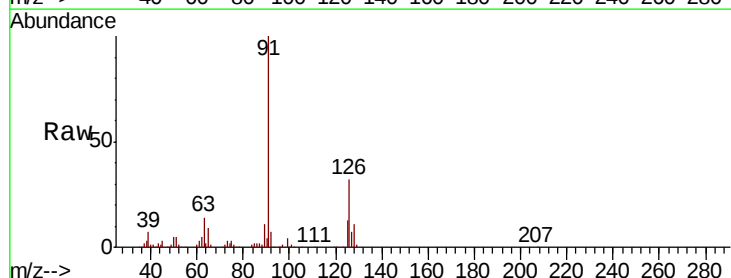
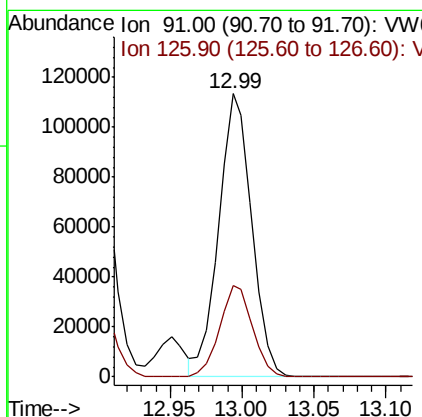
RT: 12.99 min Scan# 1819

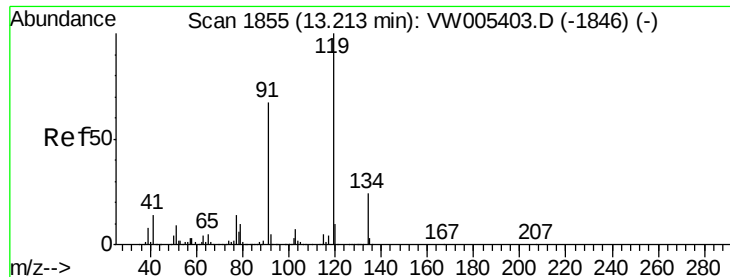
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	91	Resp:	181539
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.1





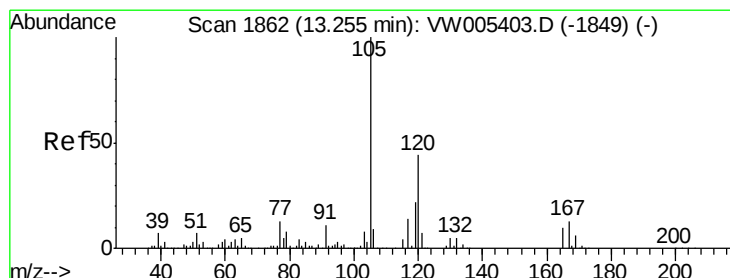
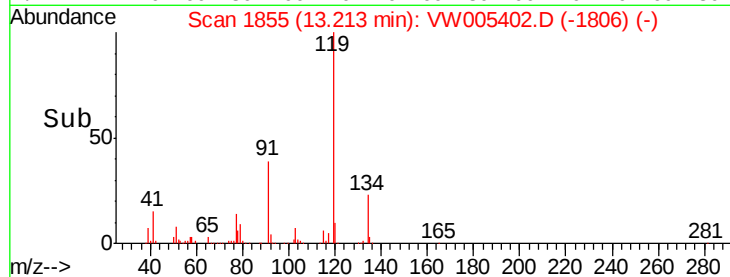
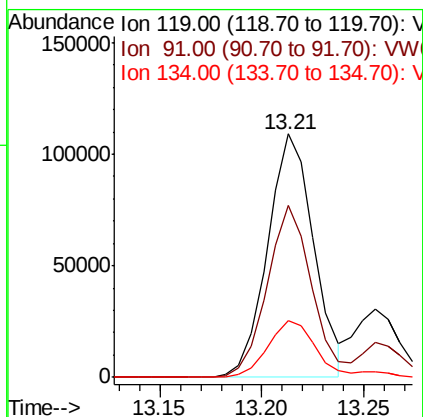
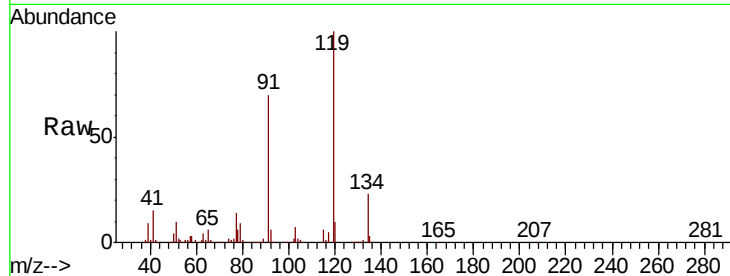
#83
 tert-Butylbenzene
 Concen: 19.82 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.4	103.2
134	25.4	12.7	38.0

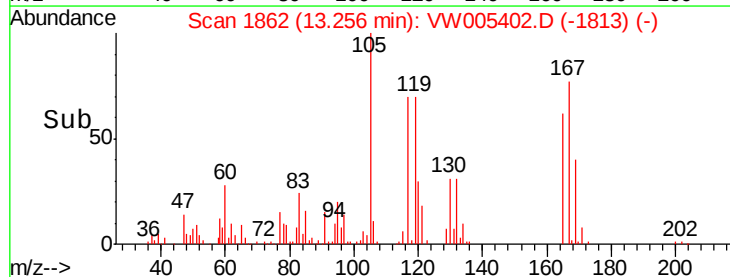
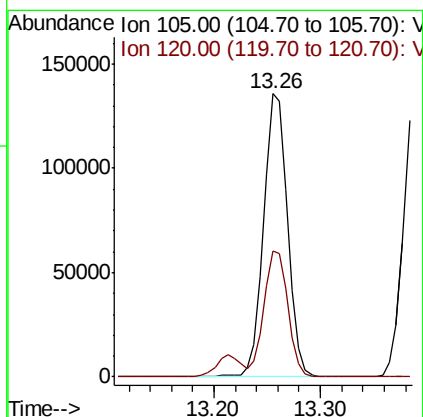
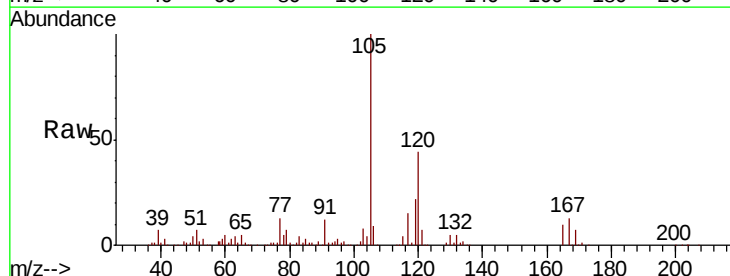
Manual Integrations
 APPROVED

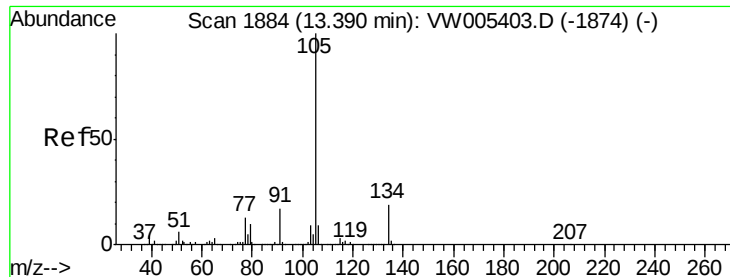
apatel
 9/17/2018 2:23:51 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 21.27 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	21.8	65.3





#85

sec-Butylbenzene

Concen: 19.92 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 247856

Ion Ratio Lower Upper

105 100

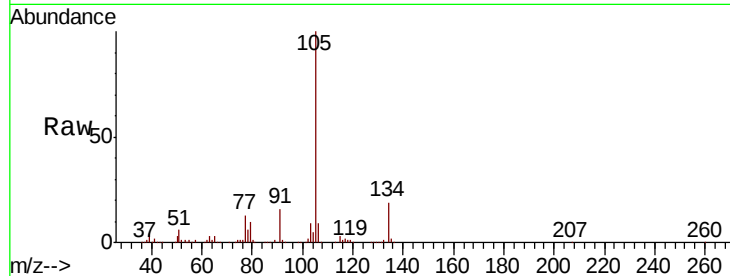
134 19.8 9.8 29.5

Manual Integrations

APPROVED

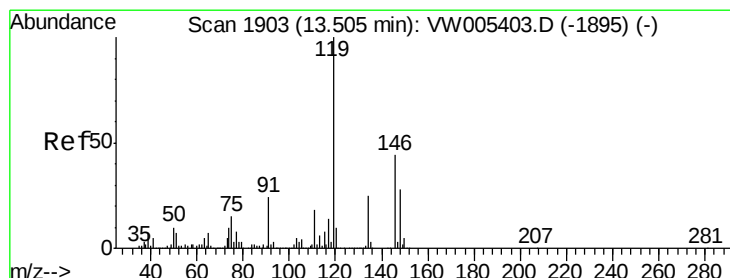
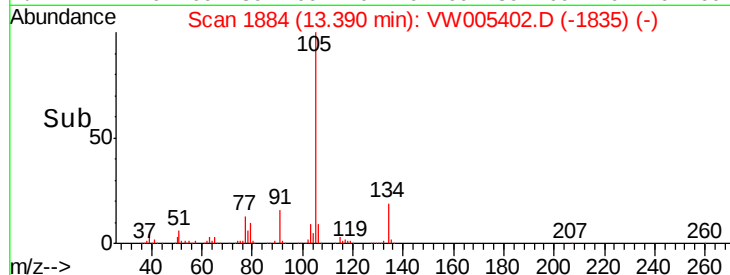
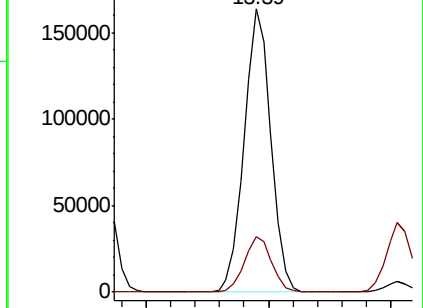
apatel

9/17/2018 2:23:51 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.29 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

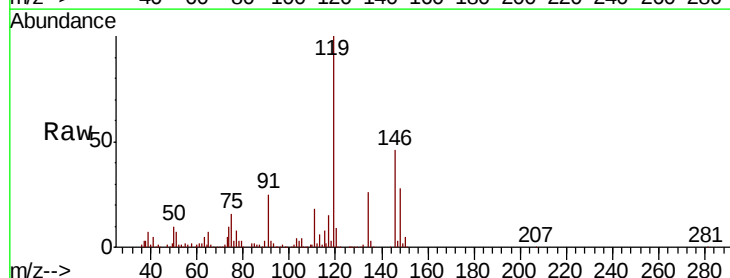
Tgt Ion:119 Resp: 223986

Ion Ratio Lower Upper

119 100

134 25.9 12.6 37.8

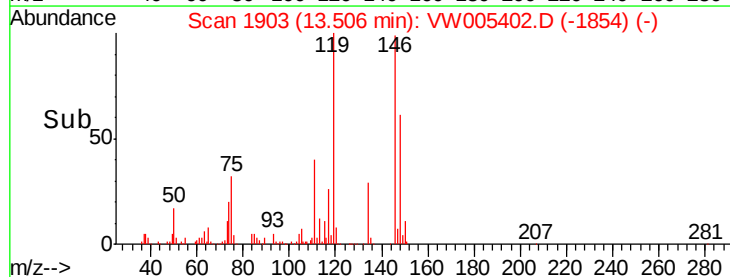
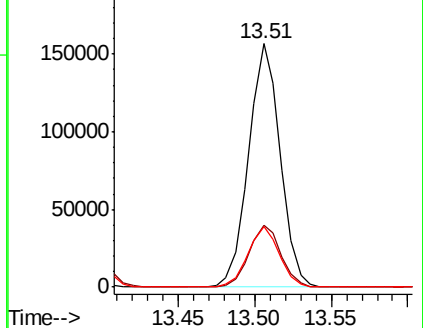
91 24.8 12.0 36.0

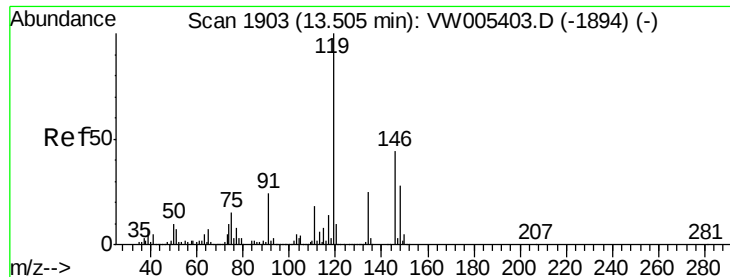


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





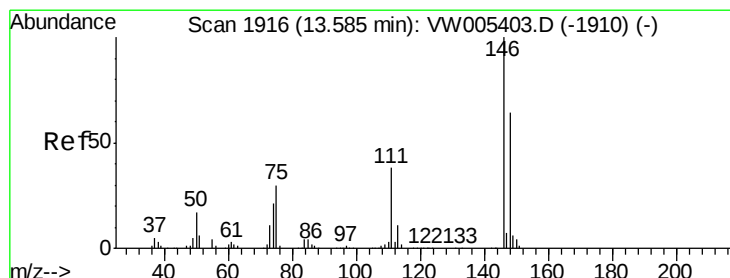
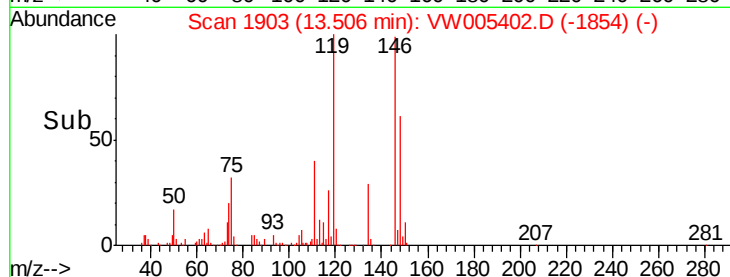
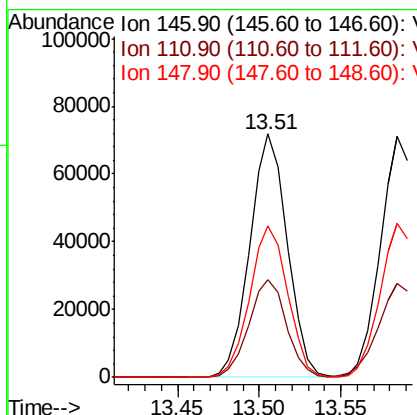
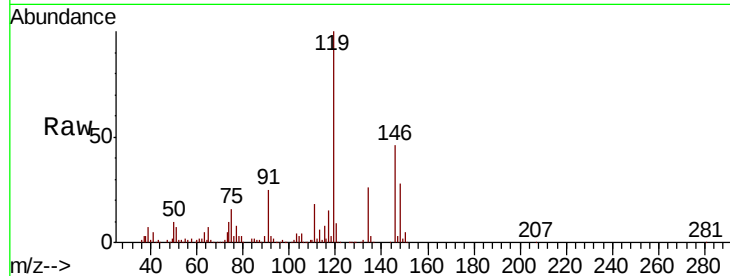
#87
 1,3-Dichlorobenzene
 Concen: 20.01 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	114656		
111	40.4	20.4	61.2	
148	63.0	32.0	96.0	

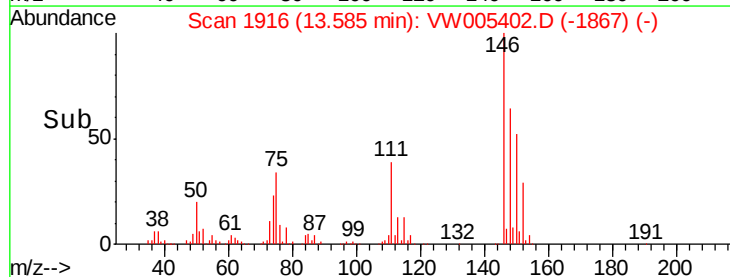
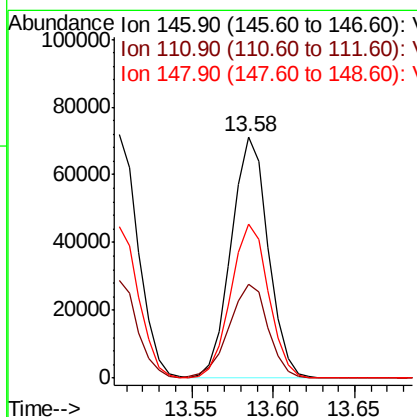
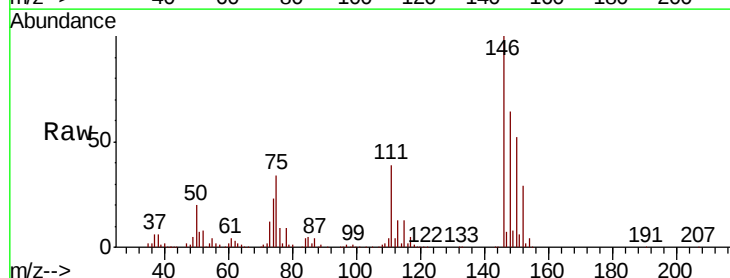
Manual Integrations
 APPROVED

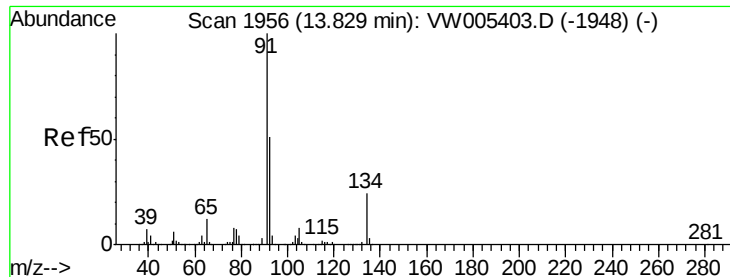
apatel
 9/17/2018 2:23:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.90 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112691		
111	41.0	19.6	58.8	
148	65.2	31.8	95.4	





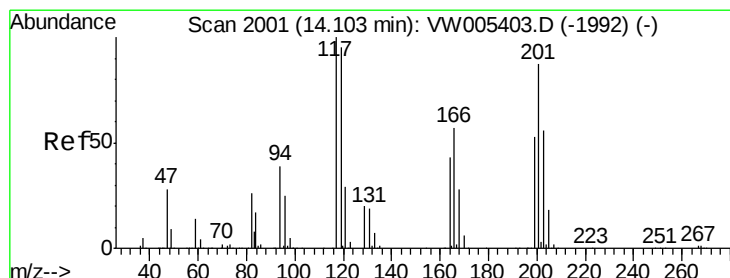
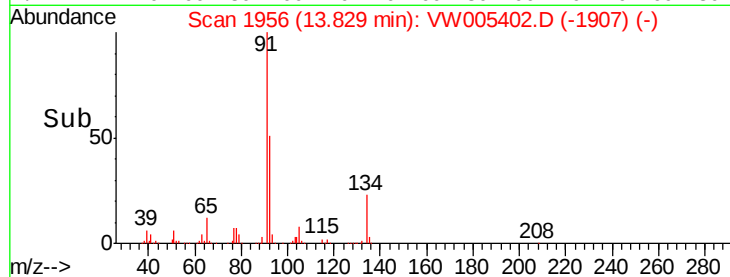
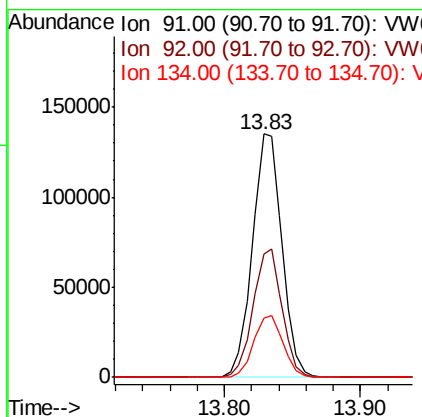
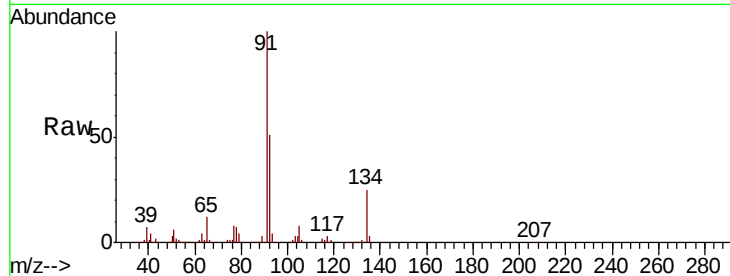
#89
n-Butylbenzene
Concen: 19.88 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.2	78.6
134	25.5	12.7	38.1

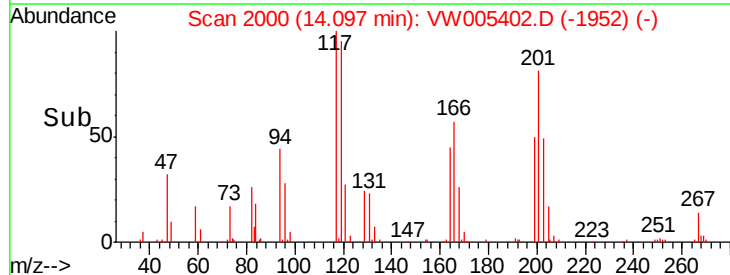
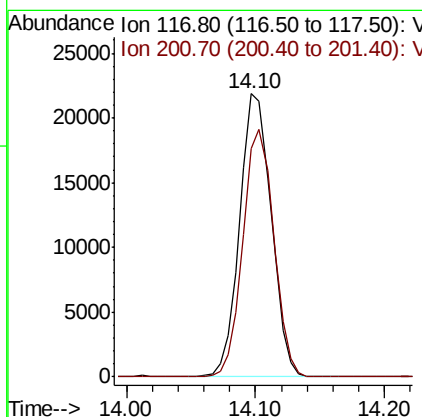
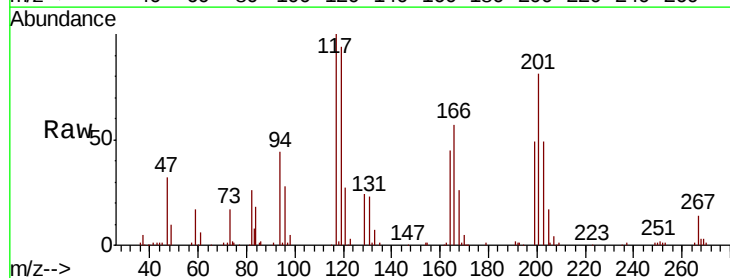
Manual Integrations
APPROVED

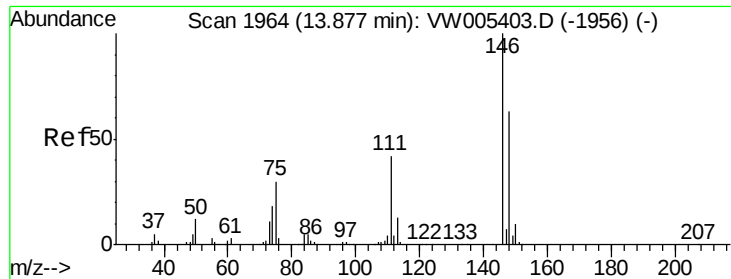
apatel
9/17/2018 2:23:51 PM



#90
Hexachloroethane
Concen: 20.81 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.01 min
Lab File: VW005402.D
Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.0	42.5	127.5





#91

1,2-Dichlorobenzene

Concen: 19.81 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

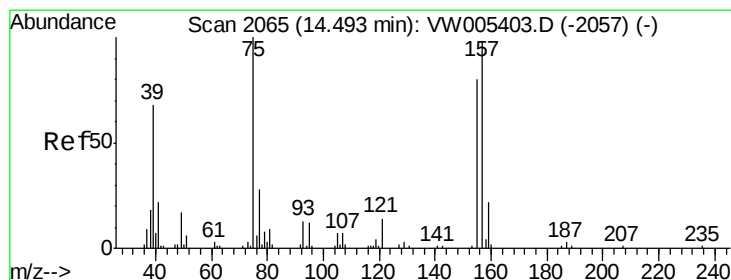
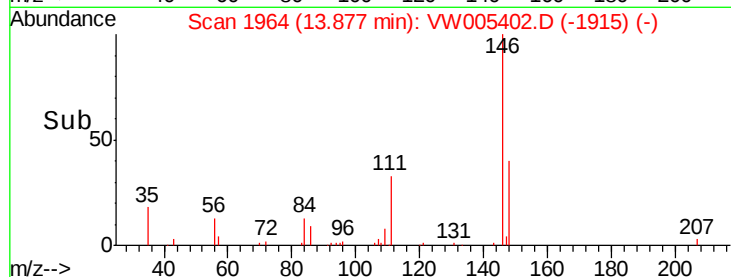
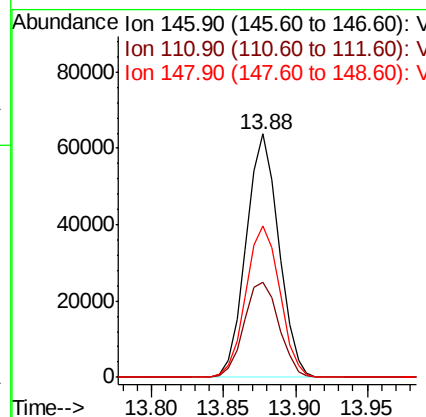
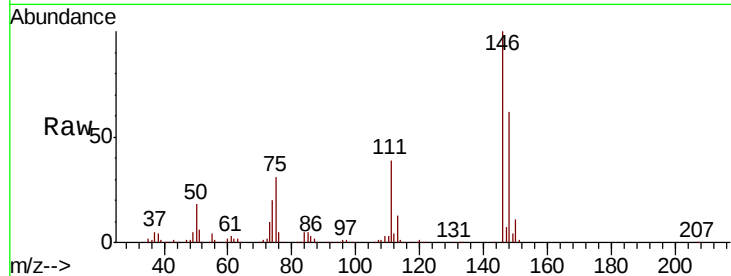
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	100290
Ion Ratio	Lower	Upper	
146	100		
111	42.0	21.0	63.0
148	64.6	31.9	95.9

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.57 ug/l

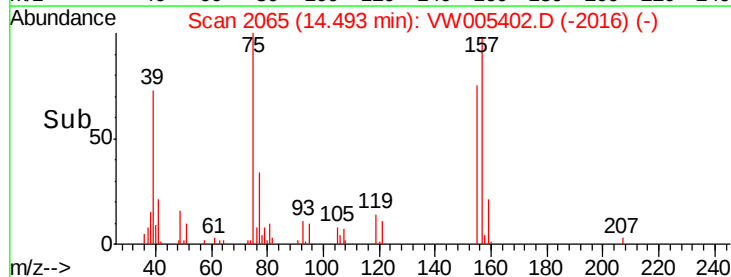
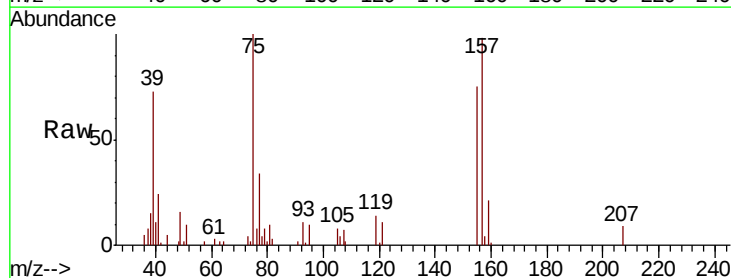
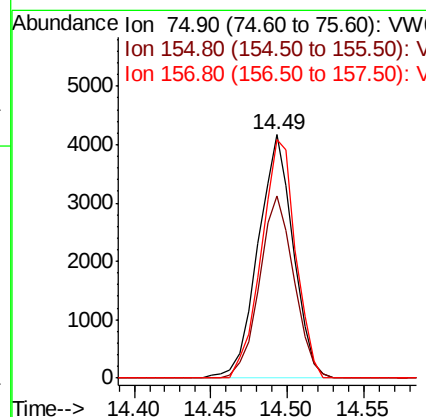
RT: 14.49 min Scan# 2065

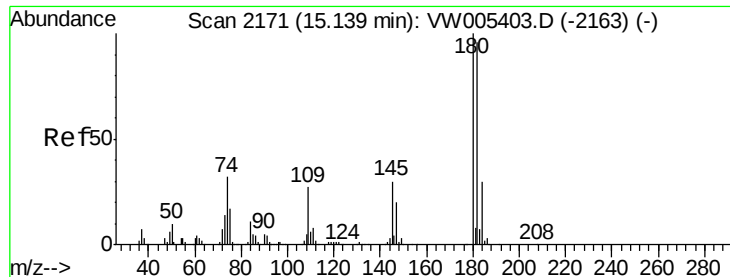
Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	75	Resp:	6660
Ion Ratio	Lower	Upper	
75	100		
155	73.7	39.0	117.0
157	95.8	49.9	149.6





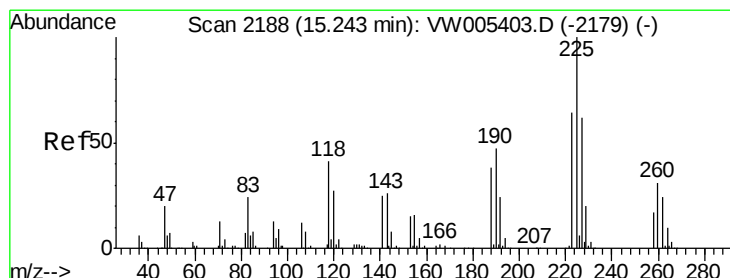
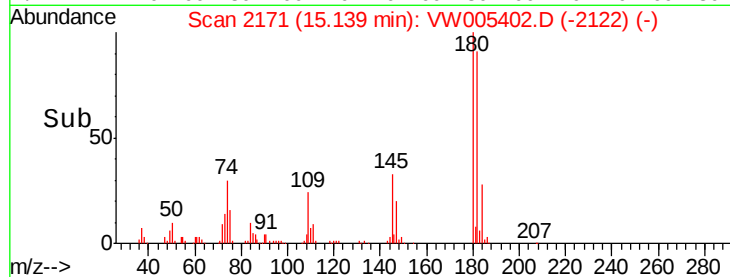
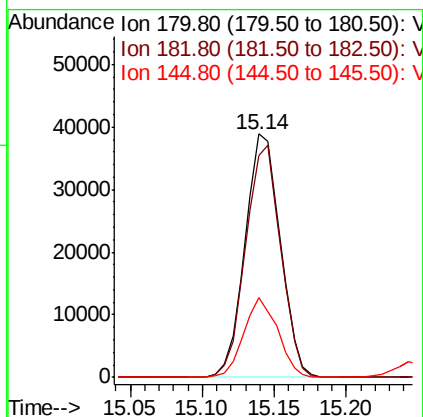
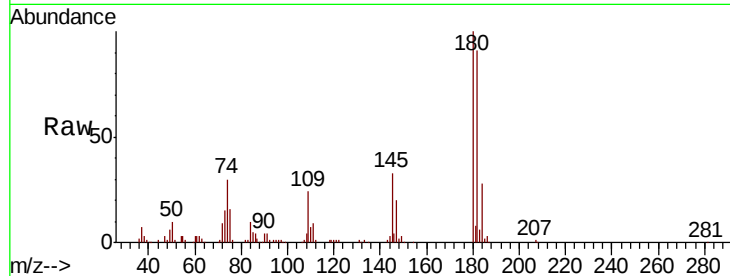
#93
 1,2,4-Trichlorobenzene
 Concen: 18.49 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65820		
182	94.5	47.3	141.9	
145	31.5	14.8	44.3	

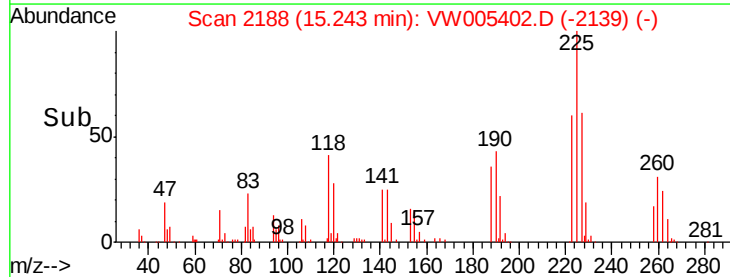
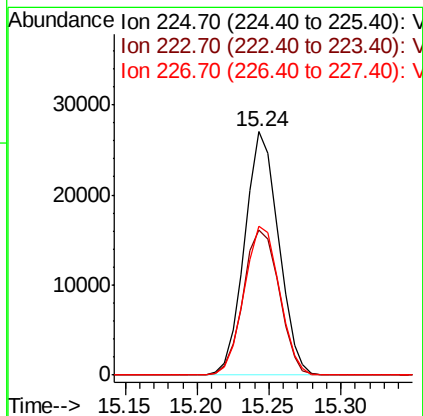
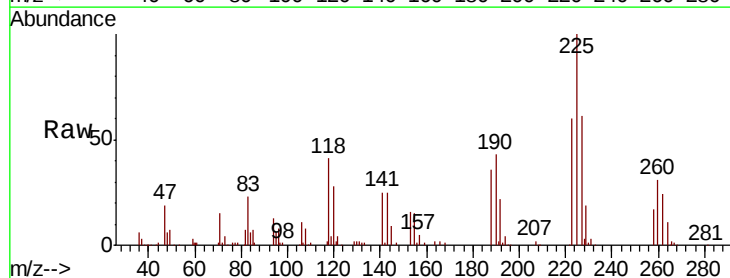
Manual Integrations
 APPROVED

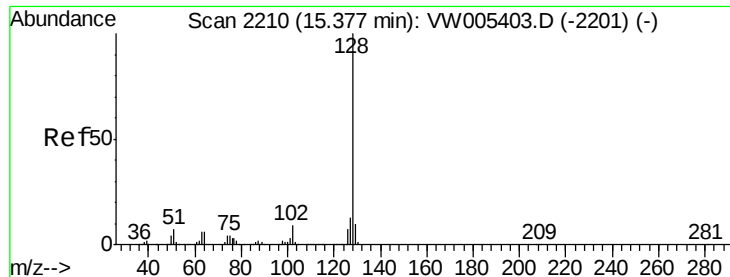
apatel
 9/17/2018 2:23:51 PM



#94
 Hexachlorobutadiene
 Concen: 19.35 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW005402.D
 Acq: 14 Sep 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44111		
223	63.1	31.2	93.6	
227	63.9	31.6	95.0	





#95

Naphthalene

Concen: 18.59 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Instrument :

MSVOA_W

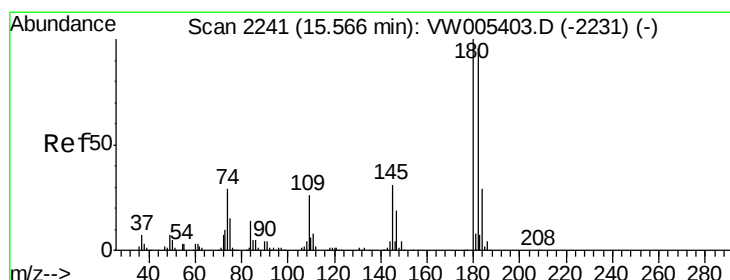
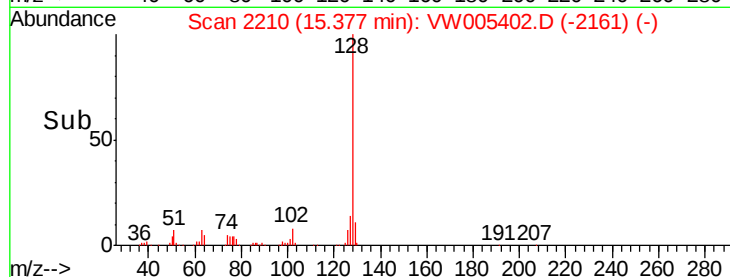
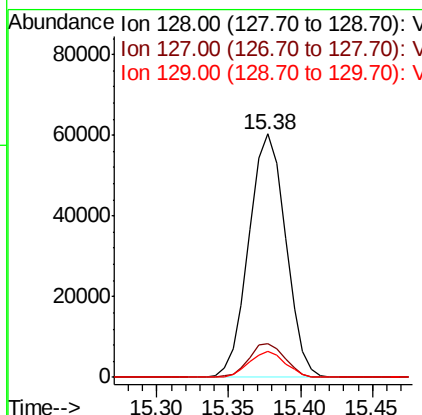
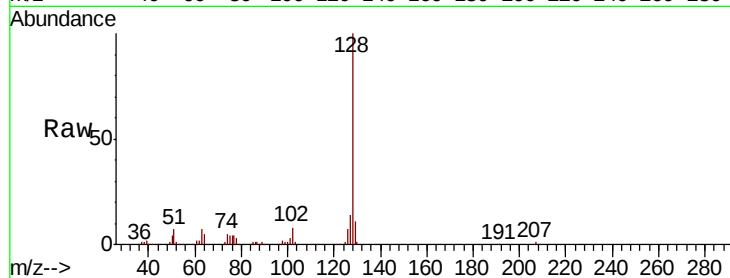
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	107154
Ion Ratio	Lower	Upper	
128	100		
127	13.6	11.0	16.4
129	10.6	8.7	13.1

Manual Integrations
APPROVED

apatel
9/17/2018 2:23:51 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.92 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005402.D

Acq: 14 Sep 2018 23:41

Tgt Ion:	180	Resp:	57845
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.1	144.4
145	31.7	15.9	47.7

