

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006543.D
 Acq On : 31 Oct 2018 23:55
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:11:24 PM

Quant Time: Nov 01 03:31:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	291259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416896	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	214026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	24599	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
35) Dibromofluoromethane	7.88	113	26999	10.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.66%	
50) Toluene-d8	10.33	98	99529	10.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.94%	
62) 4-Bromofluorobenzene	12.62	95	36069	10.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	17799m	12.493	ug/l	
3) Chloromethane	2.21	50	20283	10.979	ug/l	93
4) Vinyl Chloride	2.37	62	29101	11.088	ug/l	96
5) Bromomethane	2.79	94	24055	10.128	ug/l	94
6) Chloroethane	2.93	64	19883	10.606	ug/l	97
7) Trichlorofluoromethane	3.26	101	24154	9.982	ug/l	96
8) Diethyl Ether	3.68	74	13386	10.428	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26245	10.211	ug/l	98
10) Methyl Iodide	4.27	142	47894	11.077	ug/l	100
11) Tert butyl alcohol	5.25	59	6973	43.825	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	25306	10.425	ug/l	99
13) Acrolein	3.90	56	8312	51.985	ug/l	100
14) Allyl chloride	4.67	41	31756	9.262	ug/l	97
15) Acrylonitrile	5.38	53	21937	46.880	ug/l	99
16) Acetone	4.15	43	20604	40.096	ug/l	96
17) Carbon Disulfide	4.37	76	70262	9.692	ug/l	99
18) Methyl Acetate	4.68	43	11156	9.274	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	36509	9.919	ug/l	98
20) Methylene Chloride	4.92	84	39328	13.773	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	28577	10.537	ug/l	98
22) Diisopropyl ether	6.31	45	66870	9.795	ug/l	96
23) Vinyl Acetate	6.26	43	174144	43.503	ug/l	99
24) 1,1-Dichloroethane	6.22	63	45802	10.351	ug/l	99
25) 2-Butanone	7.18	43	28637	44.387	ug/l	96
26) 2,2-Dichloropropane	7.17	77	28428	9.285	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	31470	10.483	ug/l	99
28) Bromochloromethane	7.51	49	17416	10.220	ug/l	99
29) Tetrahydrofuran	7.54	42	17370	43.729	ug/l	98
30) Chloroform	7.68	83	50522	10.436	ug/l	99
31) Cyclohexane	7.96	56	43708	10.039	ug/l #	91
32) 1,1,1-Trichloroethane	7.88	97	42445	9.831	ug/l	99
36) 1,1-Dichloropropene	8.08	75	39166	10.267	ug/l	99
37) Ethyl Acetate	7.26	43	12743	9.035	ug/l	100
38) Carbon Tetrachloride	8.07	117	40129	9.663	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110218\
 Data File : VW006543.D
 Acq On : 31 Oct 2018 23:55
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:11:24 PM

Quant Time: Nov 01 03:31:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	49085	9.729	ug/l	99
40) Benzene	8.33	78	110593	10.486	ug/l	100
41) Methacrylonitrile	7.49	41	7420	8.791	ug/l	95
42) 1,2-Dichloroethane	8.40	62	31533	10.243	ug/l	100
43) Isopropyl Acetate	8.43	43	24607	8.588	ug/l	98
44) Trichloroethene	9.09	130	34738	10.730	ug/l	100
45) 1,2-Dichloropropane	9.37	63	25538	10.159	ug/l	97
46) Dibromomethane	9.46	93	14638	10.188	ug/l	99
47) Bromodichloromethane	9.65	83	33393	9.619	ug/l	99
48) Methyl methacrylate	9.44	41	11676	8.573	ug/l	99
49) 1,4-Dioxane	9.49	88	4077	185.570	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	62008	42.984	ug/l	99
52) Toluene	10.39	92	73024	10.330	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	30636	8.893	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	37172	9.380	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	21169	10.505	ug/l	95
56) Ethyl methacrylate	10.65	69	22040	8.982	ug/l	98
57) 1,3-Dichloropropane	10.93	76	33673	10.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	54181	55.575	ug/l	99
59) 2-Hexanone	10.98	43	41394	40.358	ug/l	98
60) Dibromochloromethane	11.13	129	22967	9.192	ug/l	98
61) 1,2-Dibromoethane	11.24	107	20147	10.011	ug/l	100
64) Tetrachloroethene	10.87	164	33011	10.903	ug/l	99
65) Chlorobenzene	11.66	112	86813	10.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	28930	9.844	ug/l	98
67) Ethyl Benzene	11.74	91	144701	10.122	ug/l	97
68) m/p-Xylenes	11.85	106	113681	20.079	ug/l	99
69) o-Xylene	12.17	106	53999	10.003	ug/l	100
70) Styrene	12.19	104	86036	9.791	ug/l	99
71) Bromoform	12.35	173	14039	8.634	ug/l #	96
73) Isopropylbenzene	12.47	105	147133	9.804	ug/l	100
74) N-amyl acetate	12.27	43	23277	8.126	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	22333	9.781	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	17135m	10.346	ug/l	
77) Bromobenzene	12.75	156	38316	10.358	ug/l	99
78) n-propylbenzene	12.81	91	172503	9.909	ug/l	99
79) 2-Chlorotoluene	12.90	91	98641	10.076	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	125548	9.937	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4954	7.388	ug/l	94
82) 4-Chlorotoluene	12.99	91	105541	10.252	ug/l	99
83) tert-Butylbenzene	13.21	119	110903	9.806	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	128724	10.039	ug/l	98
85) sec-Butylbenzene	13.39	105	157801	9.906	ug/l	100
86) p-Isopropyltoluene	13.51	119	141110	9.785	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	76611	10.408	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	76339	10.424	ug/l	97
89) n-Butylbenzene	13.83	91	126824	9.643	ug/l	99
90) Hexachloroethane	14.10	117	22258	9.157	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	68694	10.460	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3642	9.043	ug/l	90

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110218\
Data File : VW006543.D
Acq On : 31 Oct 2018 23:55
Operator : SY/AP
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

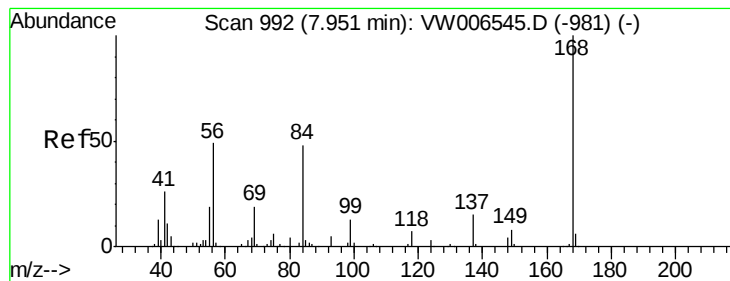
Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM

Quant Time: Nov 01 03:31:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	50105	9.908	ug/l	99
94) Hexachlorobutadiene	15.24	225	31950	10.122	ug/l	98
95) Naphthalene	15.38	128	73204	8.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	42995	9.816	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion:168 Resp: 291259

Ion Ratio Lower Upper

168 100

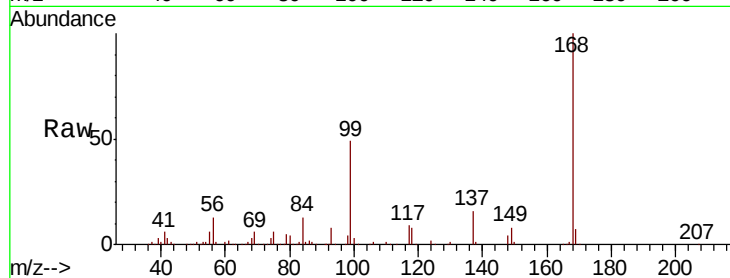
99 49.0 37.4 56.0

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

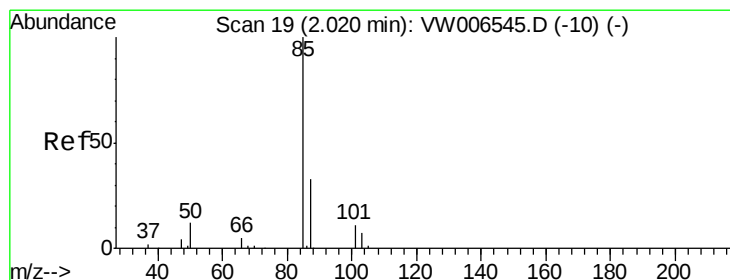
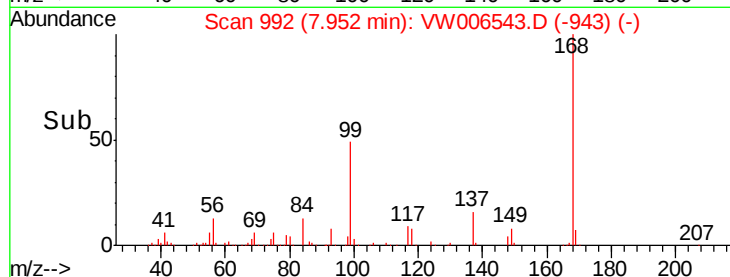
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 12.493 ug/l m

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006543.D

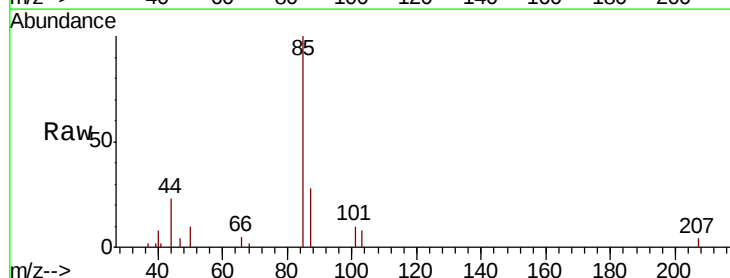
Acq: 31 Oct 2018 23:55

Tgt Ion: 85 Resp: 17799

Ion Ratio Lower Upper

85 100

87 27.7 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

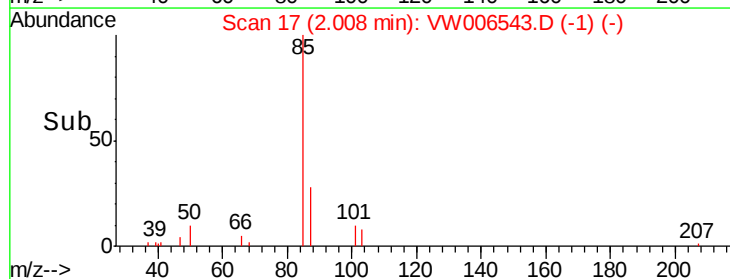
3000

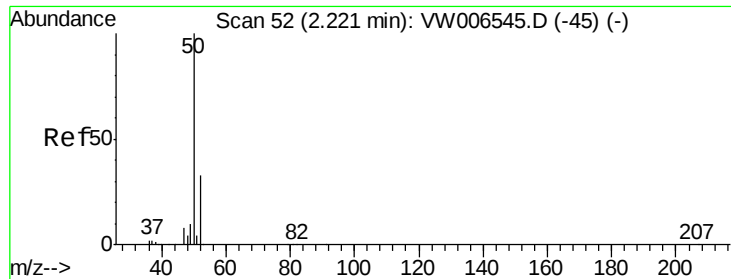
2000

1000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 10.979 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 20283

Ion Ratio Lower Upper

50 100

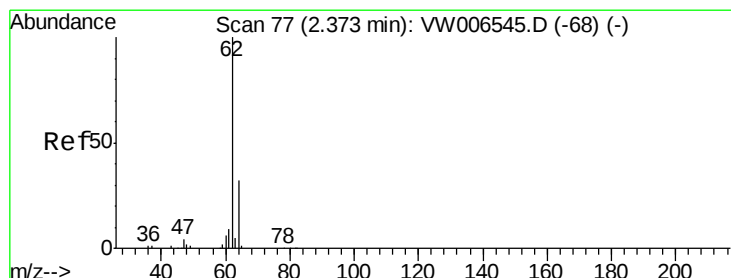
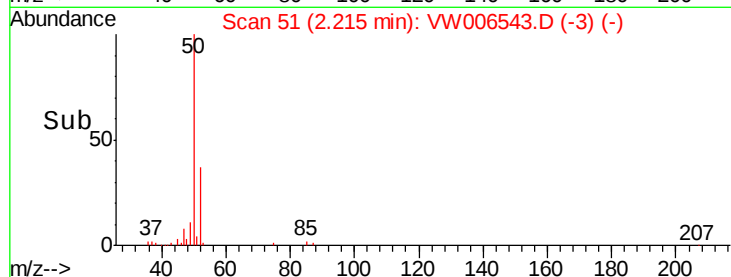
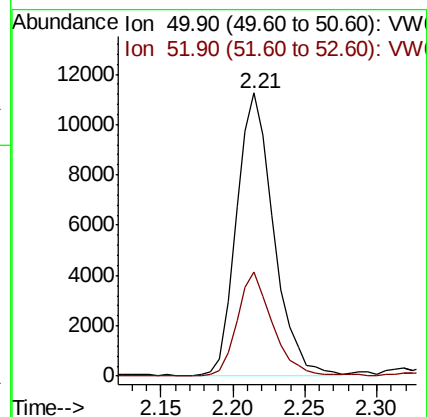
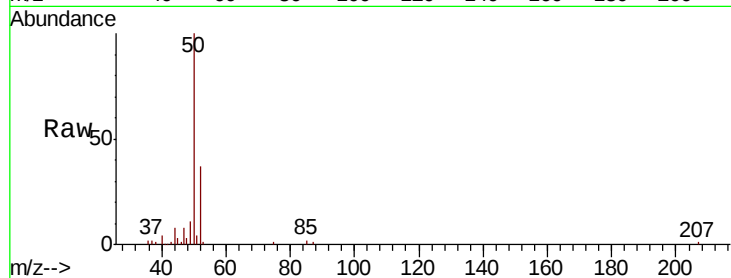
52 36.6 26.2 39.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#4

Vinyl Chloride

Concen: 11.088 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006543.D

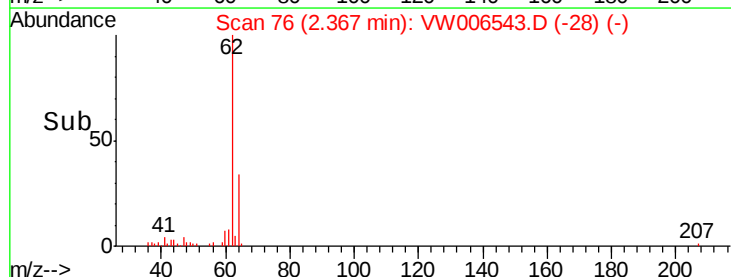
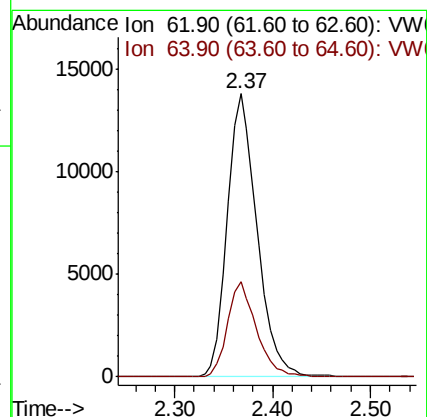
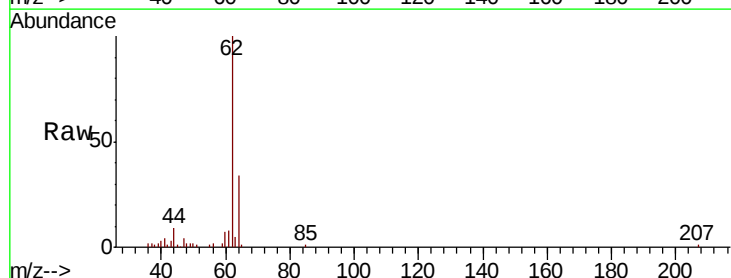
Acq: 31 Oct 2018 23:55

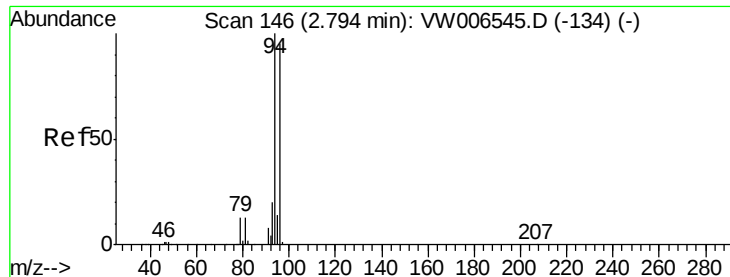
Tgt Ion: 62 Resp: 29101

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 10.128 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 24055

Ion Ratio Lower Upper

94 100

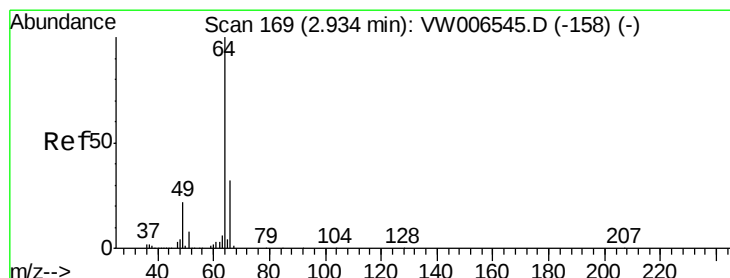
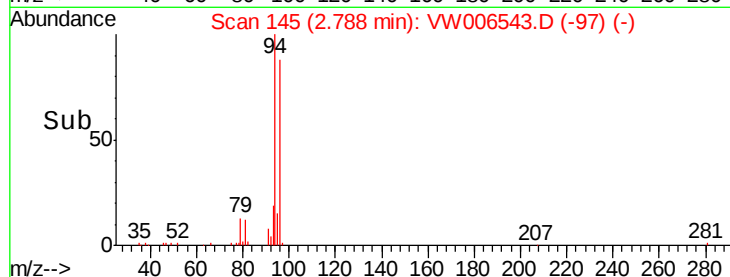
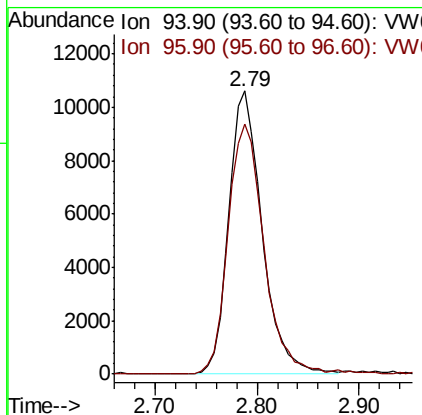
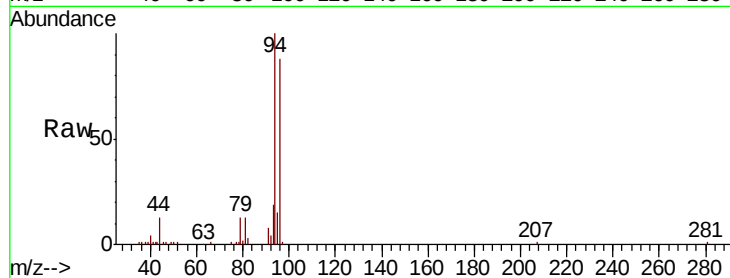
96 88.4 75.7 113.5

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#6

Chloroethane

Concen: 10.606 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW006543.D

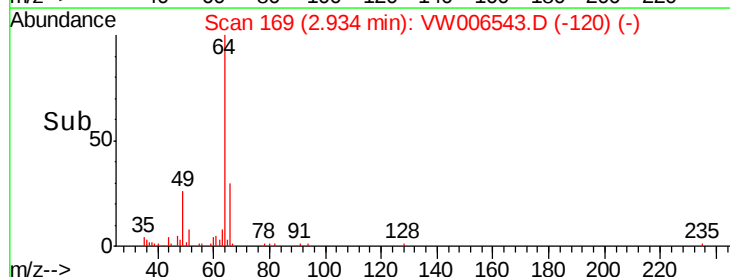
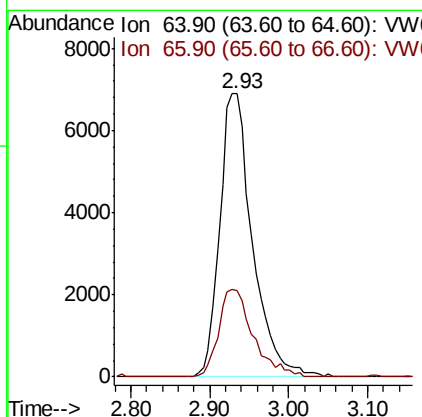
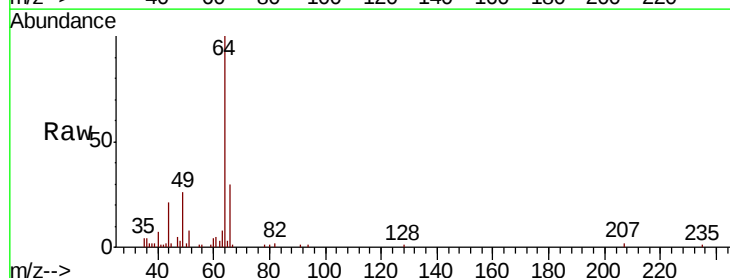
Acq: 31 Oct 2018 23:55

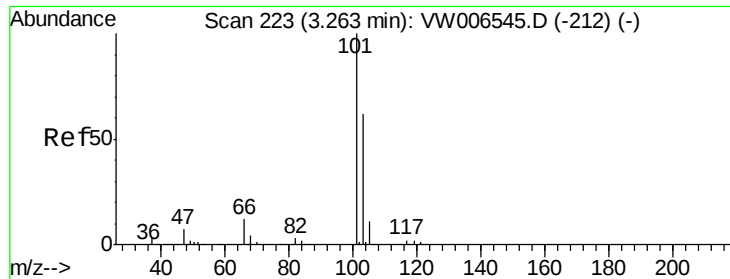
Tgt Ion: 64 Resp: 19883

Ion Ratio Lower Upper

64 100

66 30.5 25.9 38.9





#7

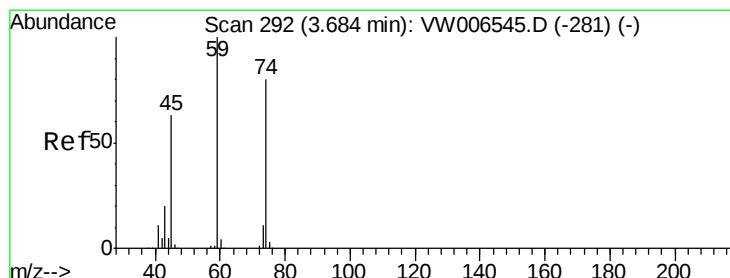
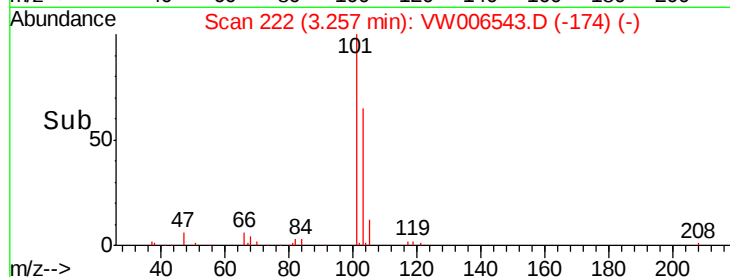
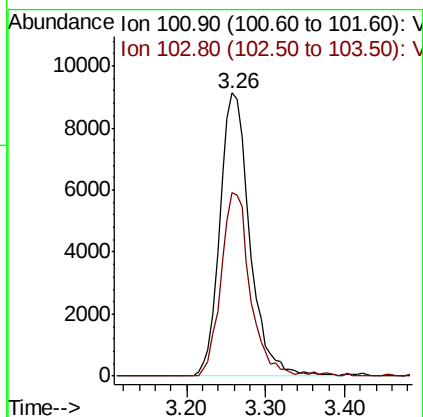
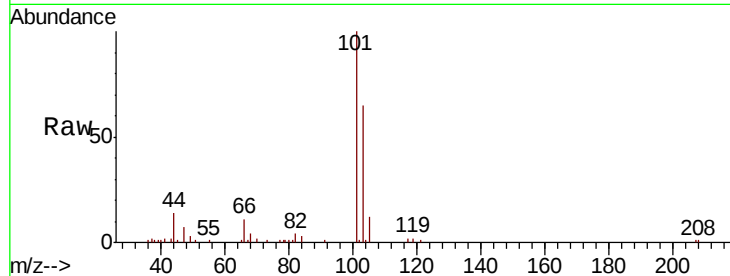
Trichlorofluoromethane
 Concen: 9.982 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	49.8	74.8

Manual Integrations
 APPROVED

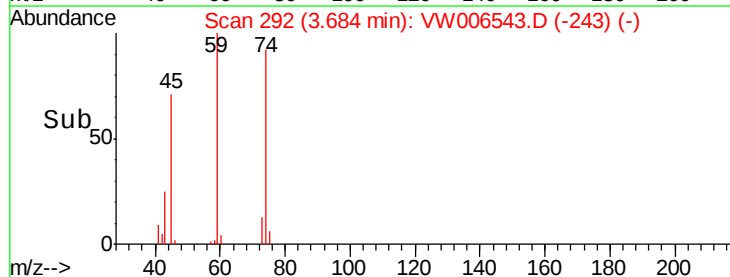
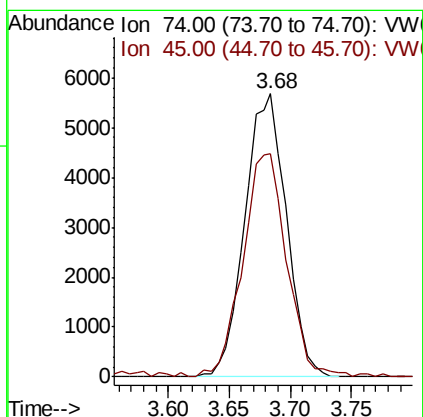
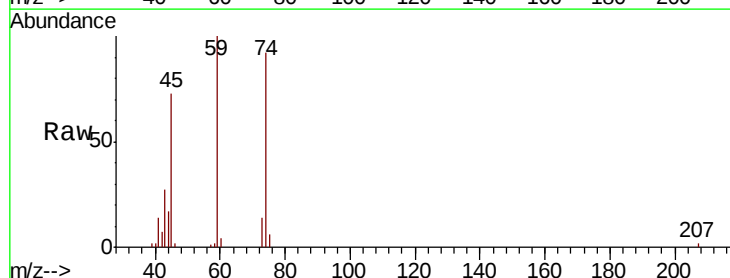
apatel
 11/2/2018 3:11:24 PM

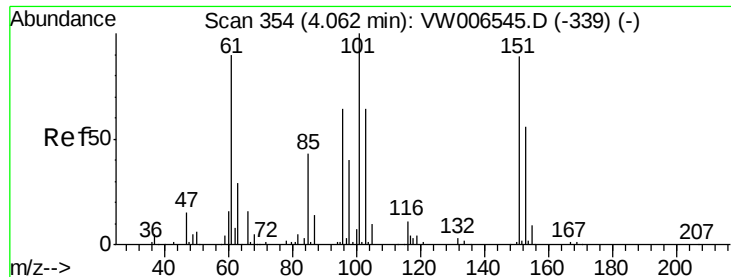


#8

Diethyl Ether
 Concen: 10.428 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.4	41.1	123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.211 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

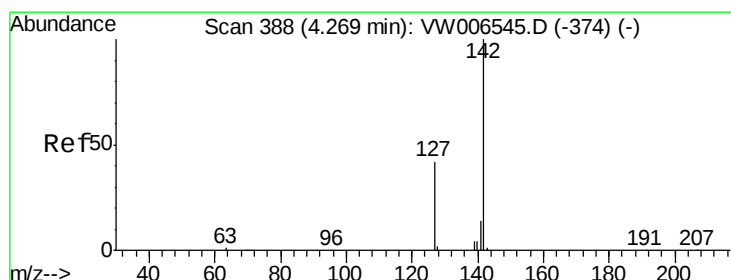
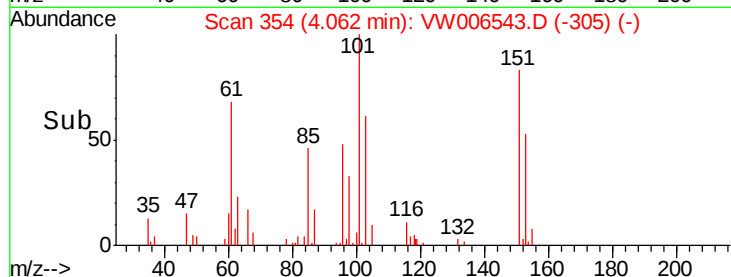
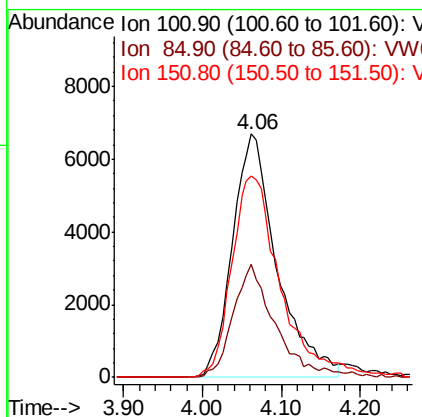
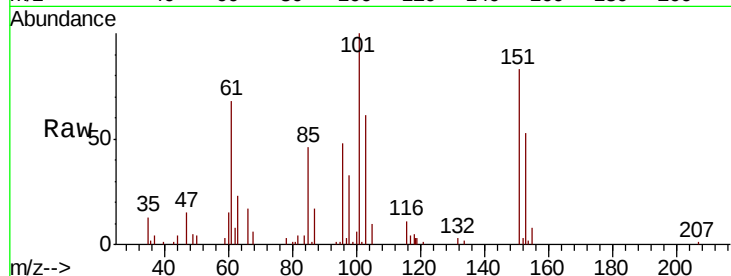
ClientSampled :

VSTDIC010

Tot Ion:	101	Resp:	26245
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.2	51.2
151	90.8	70.7	106.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#10

Methyl Iodide

Concen: 11.077 ug/l

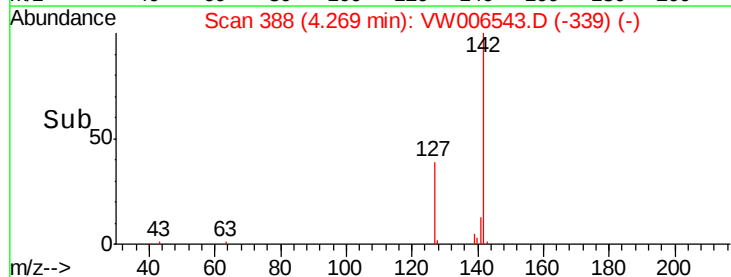
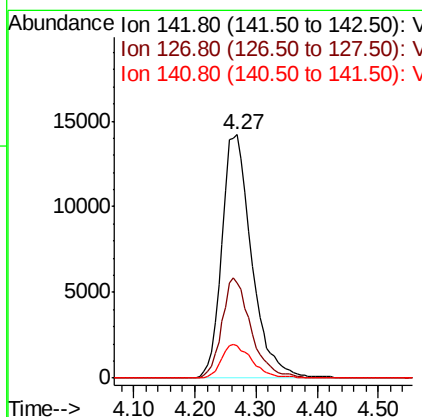
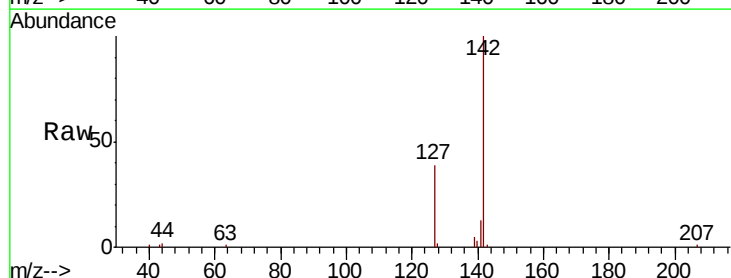
RT: 4.27 min Scan# 388

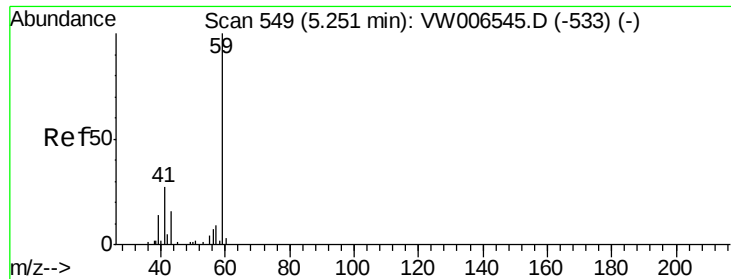
Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion:	142	Resp:	47894
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.3	48.5
141	14.1	11.3	16.9





#11

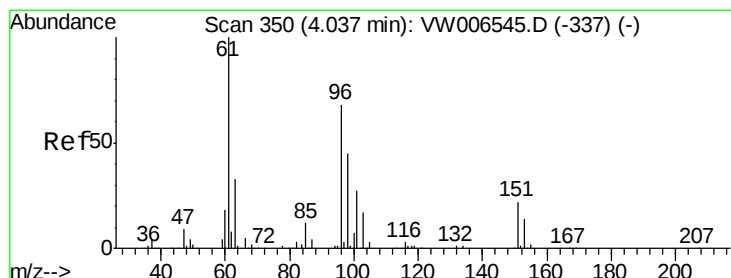
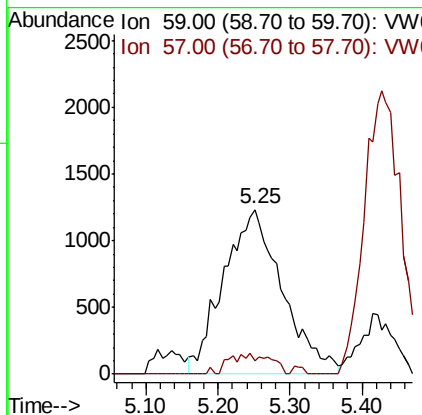
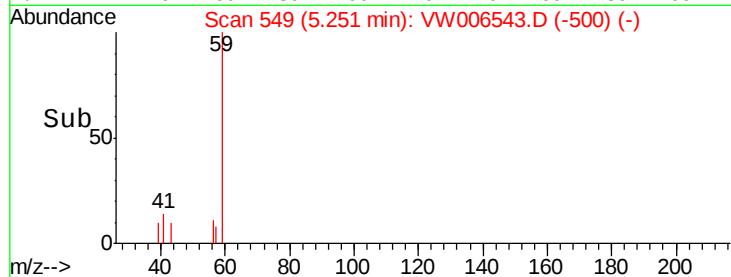
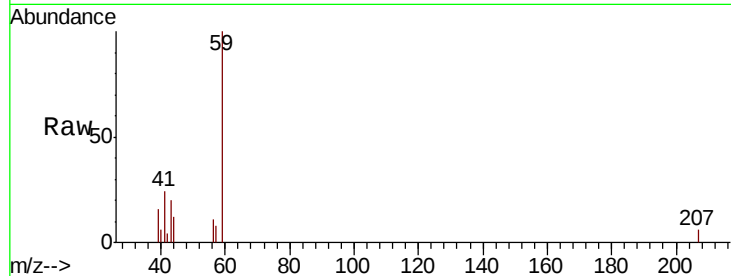
Tert butyl alcohol
Concen: 43.825 ug/l
RT: 5.25 min Scan# 549
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 6973
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#

Manual Integrations
APPROVED

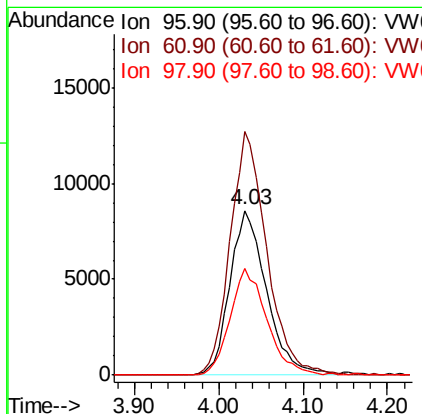
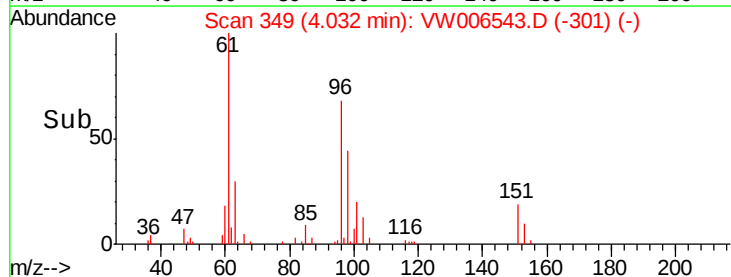
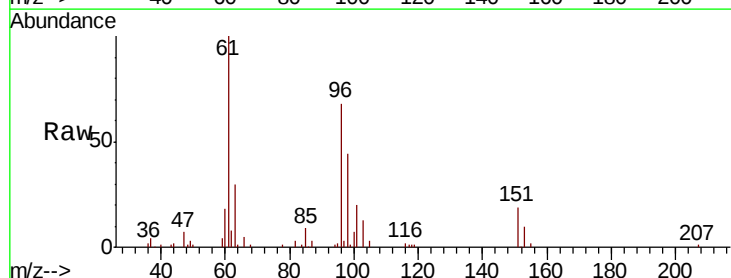
apatel
11/2/2018 3:11:24 PM

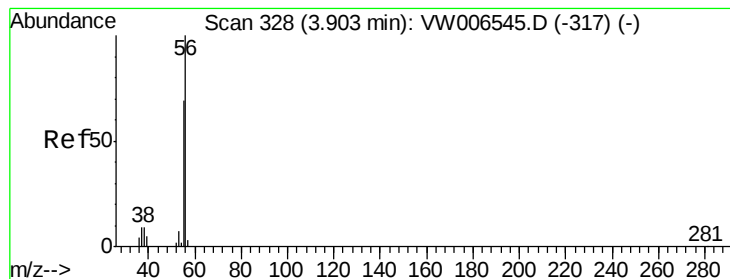


#12

1,1-Dichloroethene
Concen: 10.425 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 96 Resp: 25306
Ion Ratio Lower Upper
96 100
61 147.7 117.0 175.4
98 64.7 52.5 78.7





#13

Acrolein

Concen: 51.985 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 8312

Ion Ratio Lower Upper

56 100

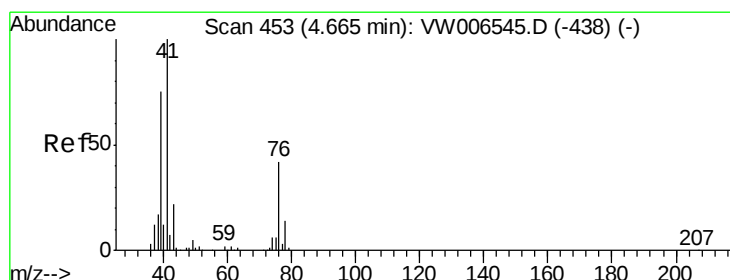
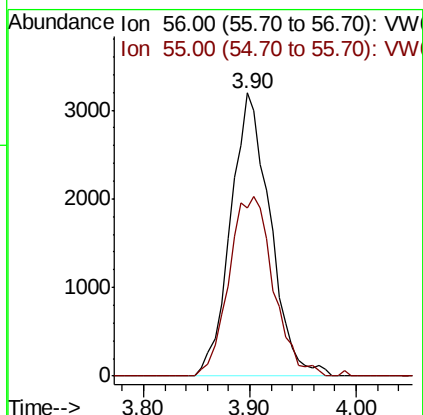
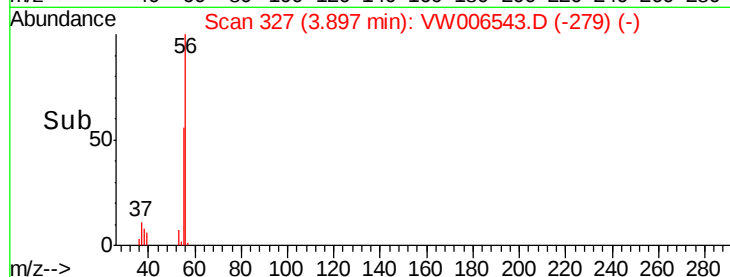
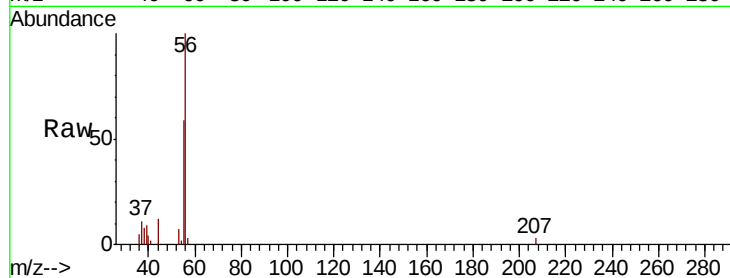
55 71.0 56.9 85.3

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#14

Allyl chloride

Concen: 9.262 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

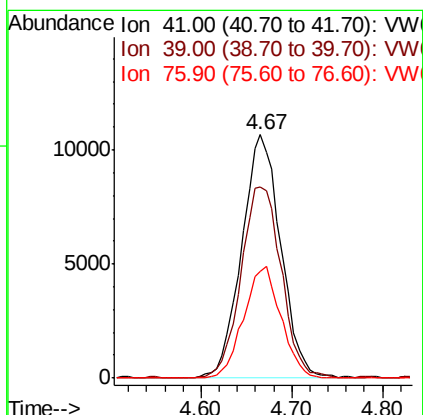
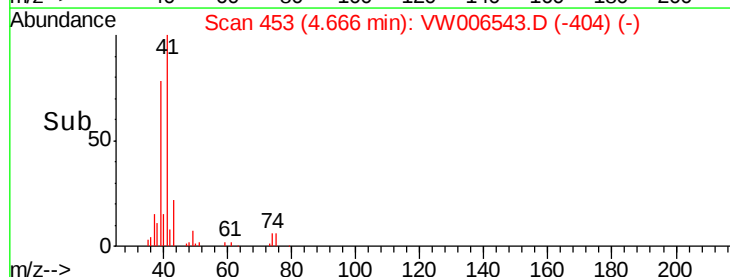
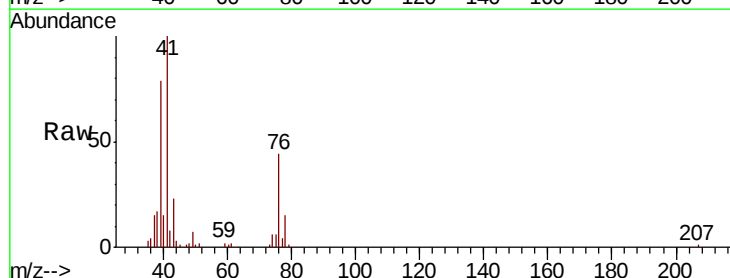
Tgt Ion: 41 Resp: 31756

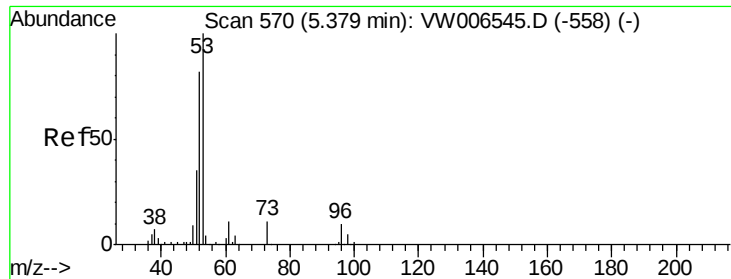
Ion Ratio Lower Upper

41 100

39 81.4 62.1 93.1

76 43.6 34.2 51.2





#15

Acrylonitrile

Concen: 46.880 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

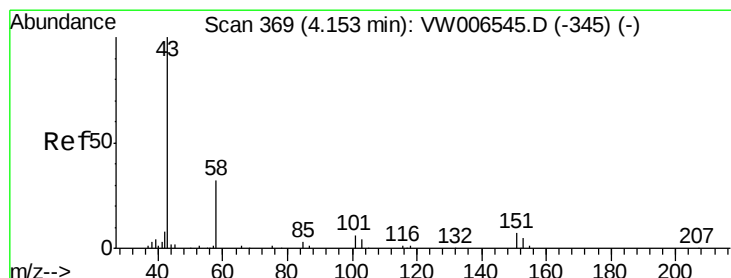
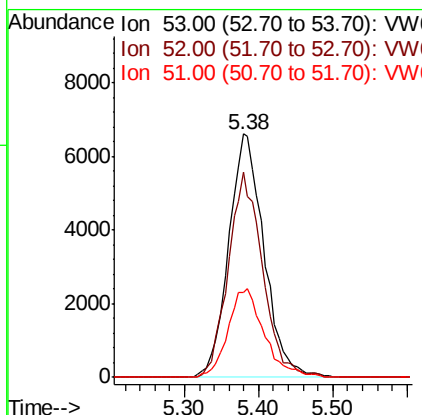
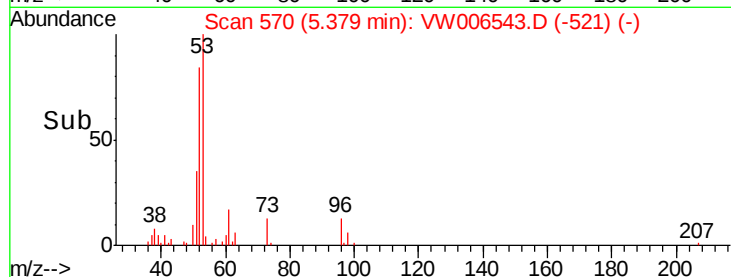
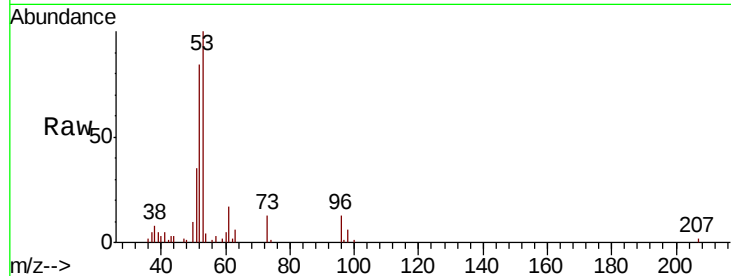
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	21937
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.8	98.8
51	37.4	29.6	44.4

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#16

Acetone

Concen: 40.096 ug/l

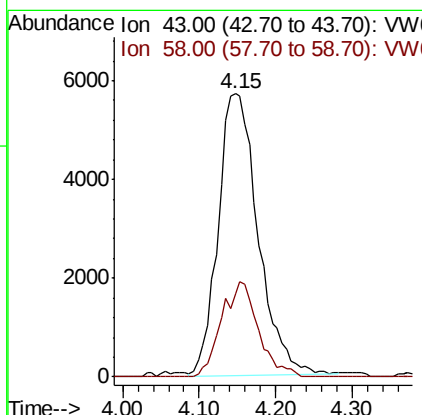
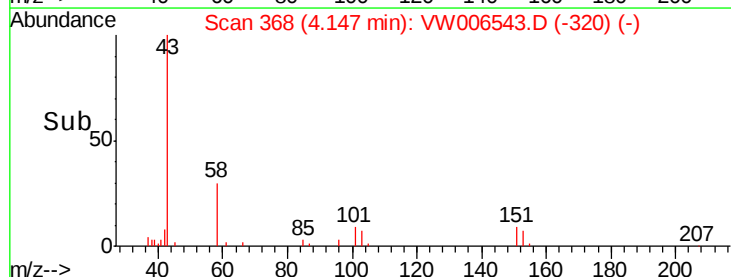
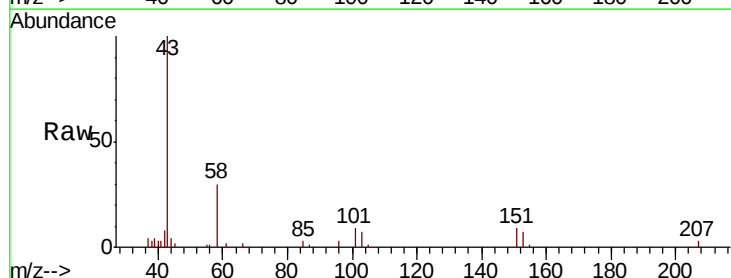
RT: 4.15 min Scan# 368

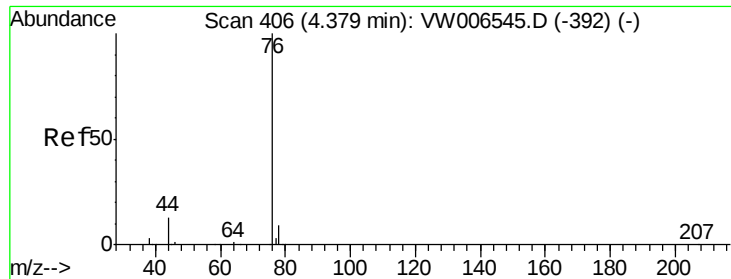
Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion:	43	Resp:	20604
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.8	38.8





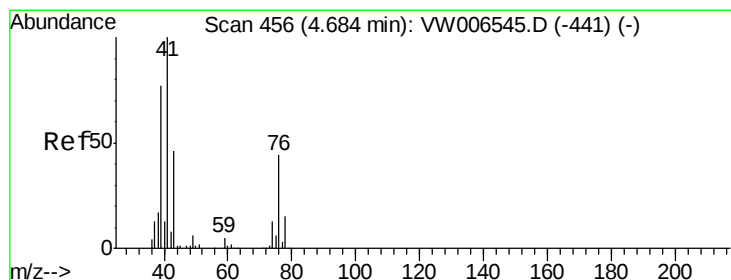
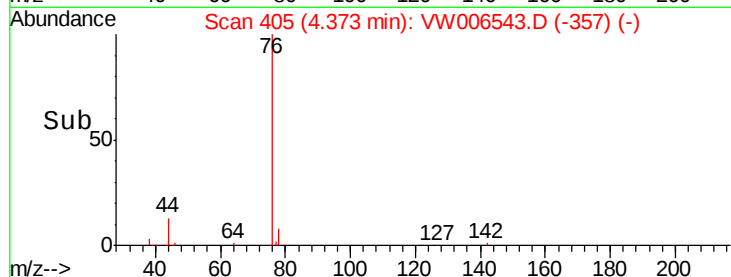
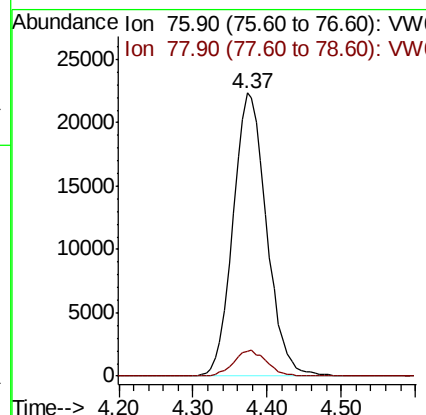
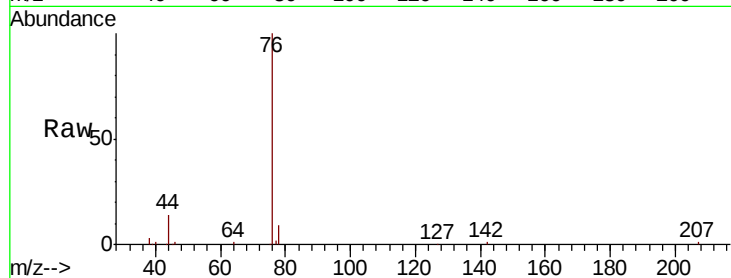
#17
Carbon Disulfide
Concen: 9.692 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

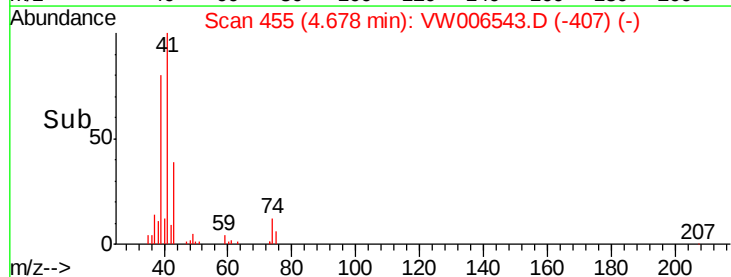
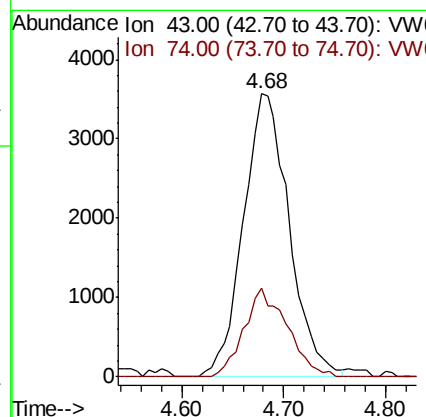
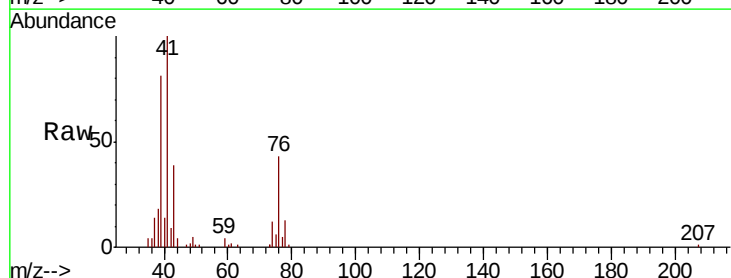
Manual Integrations
APPROVED

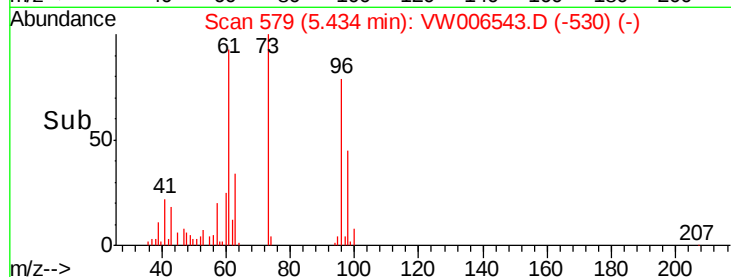
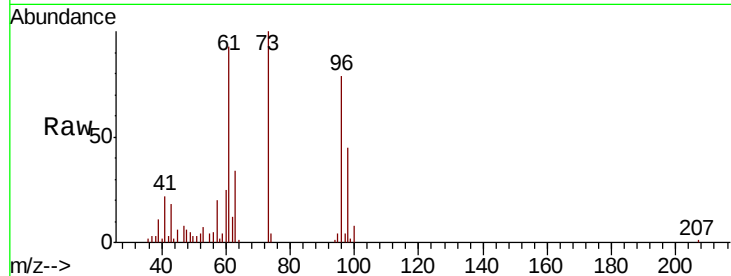
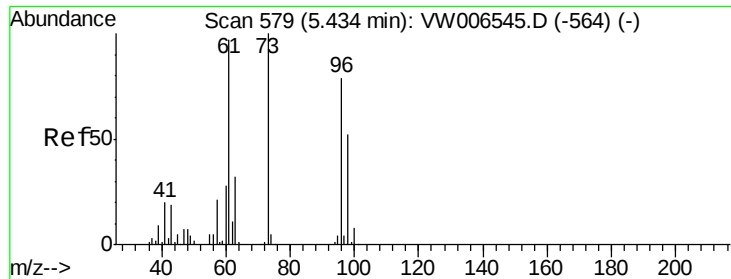
apatel
11/2/2018 3:11:24 PM



#18
Methyl Acetate
Concen: 9.274 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.3	21.9	32.9





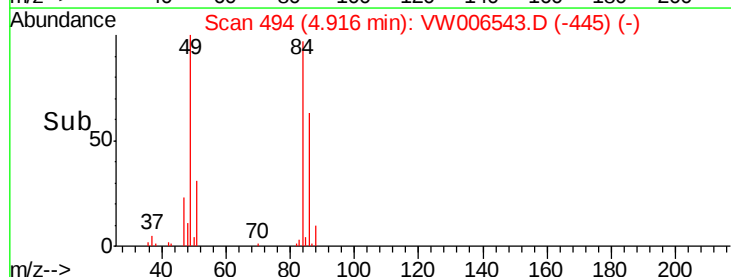
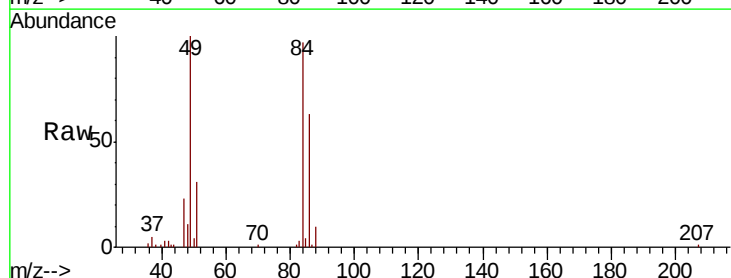
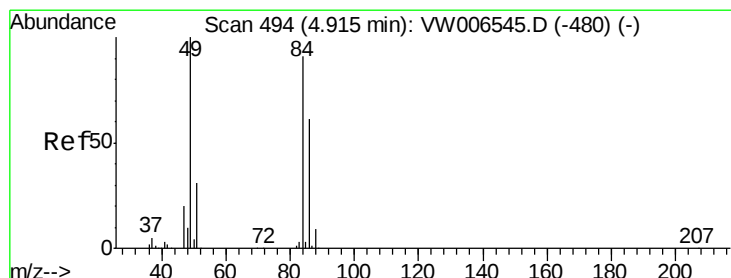
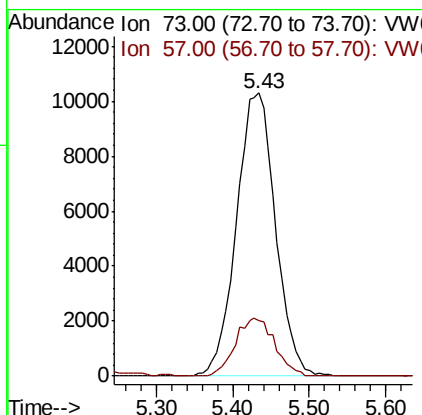
#19
Methyl tert-butyl Ether
Concen: 9.919 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tot Ion: 73 Resp: 36509
Ion Ratio Lower Upper
73 100
57 19.8 16.7 25.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

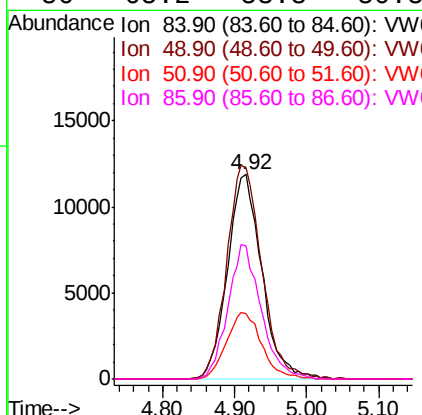
Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#20
Methylene Chloride
Concen: 13.773 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 84 Resp: 39328
Ion Ratio Lower Upper
84 100
49 103.3 88.2 132.4
51 31.8 27.0 40.6
86 65.2 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 10.537 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

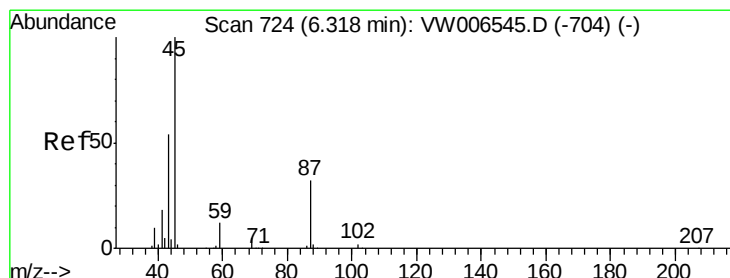
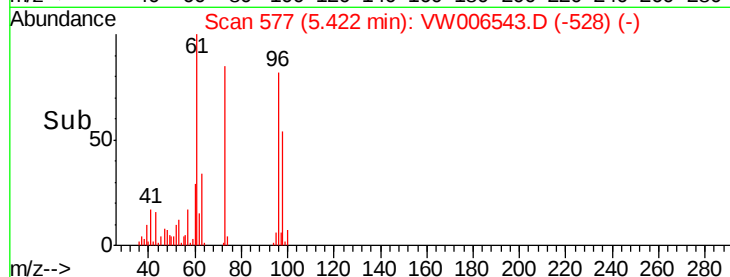
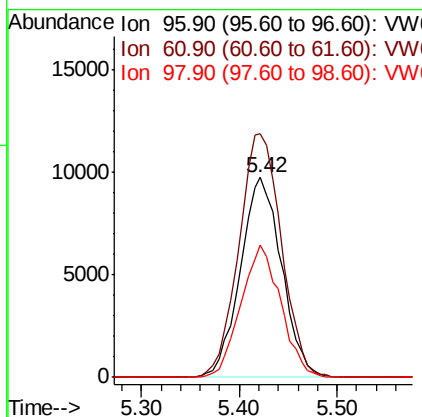
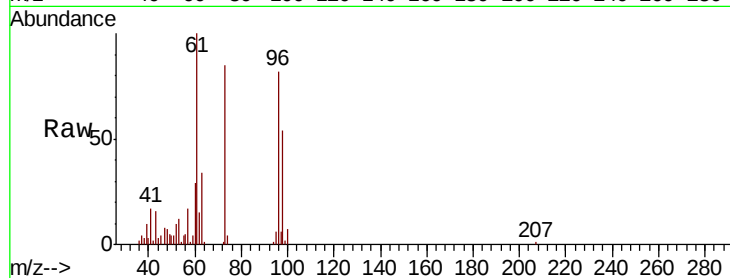
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	28577
Ion	Ratio	Lower	Upper
96	100		
61	121.7	100.6	150.8
98	65.8	52.9	79.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#22

Diisopropyl ether

Concen: 9.795 ug/l

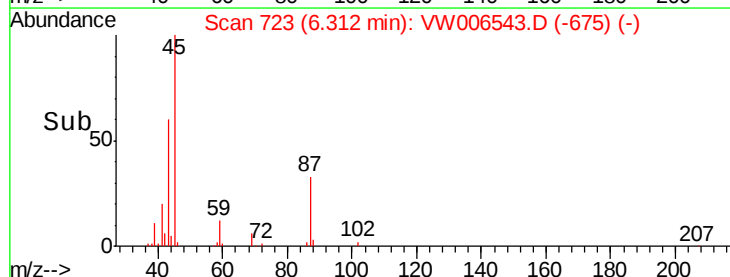
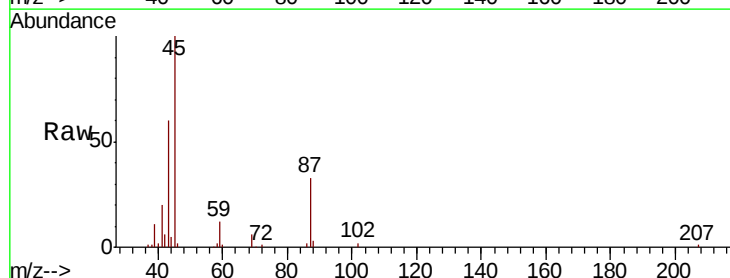
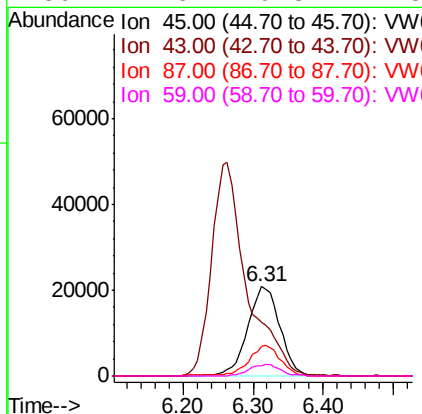
RT: 6.31 min Scan# 723

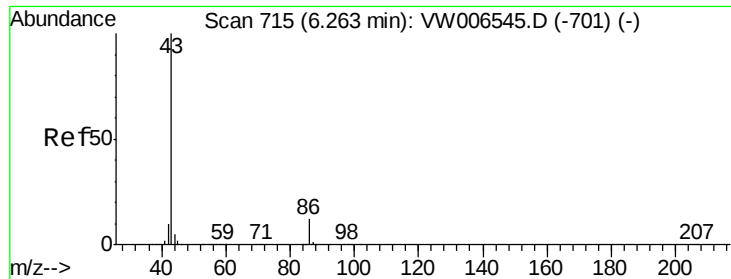
Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion:	45	Resp:	66870
Ion	Ratio	Lower	Upper
45	100		
43	58.8	43.6	65.4
87	32.7	26.3	39.5
59	11.6	9.8	14.8





#23

Vinyl Acetate

Concen: 43.503 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 174144

Ion Ratio Lower Upper

43 100

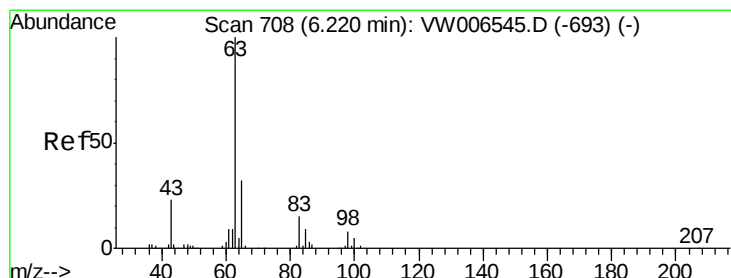
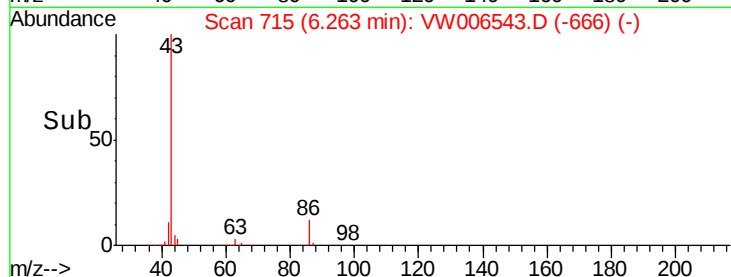
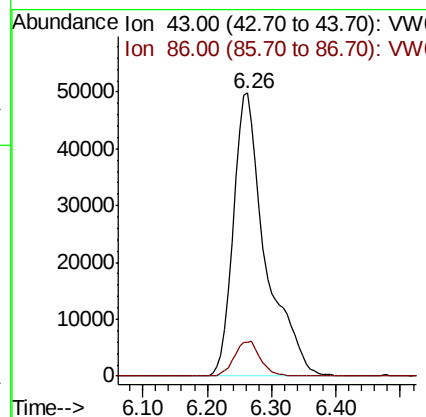
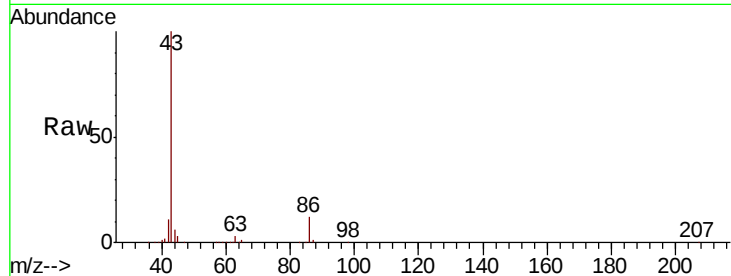
86 11.9 9.8 14.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#24

1,1-Dichloroethane

Concen: 10.351 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

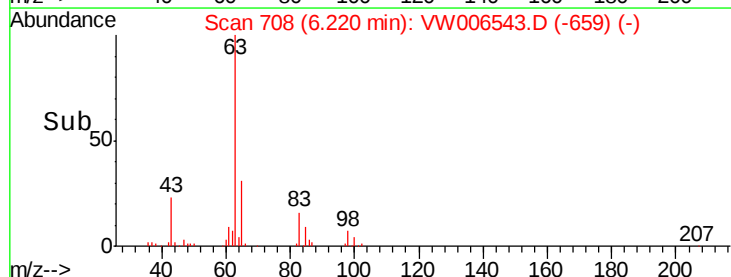
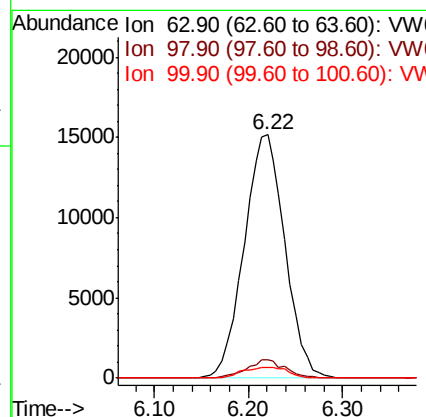
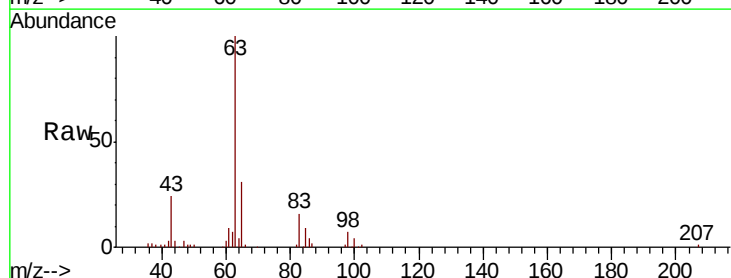
Tgt Ion: 63 Resp: 45802

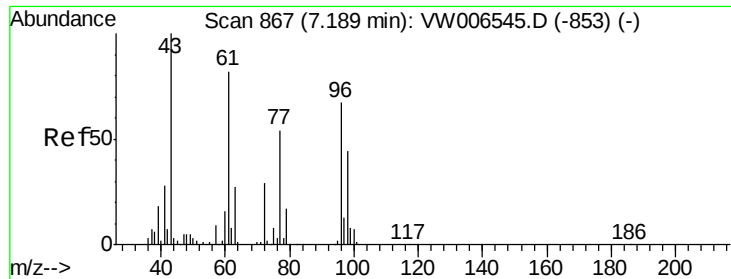
Ion Ratio Lower Upper

63 100

98 7.3 3.8 11.4

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 44.387 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 28637

Ion Ratio Lower Upper

43 100

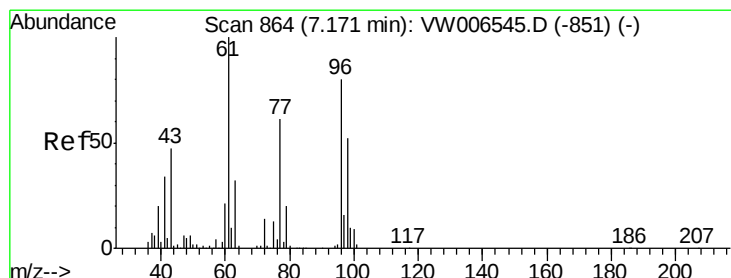
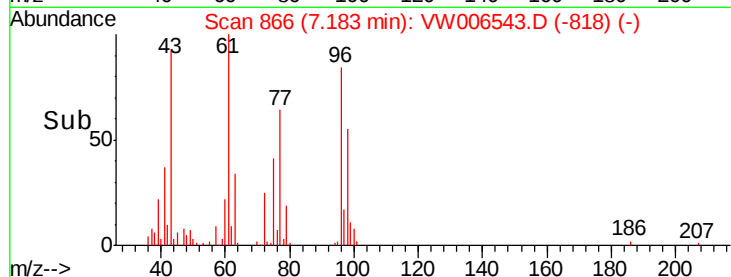
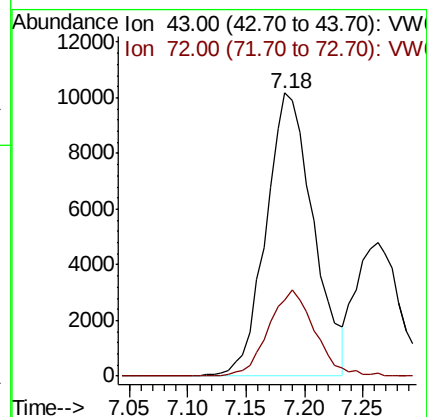
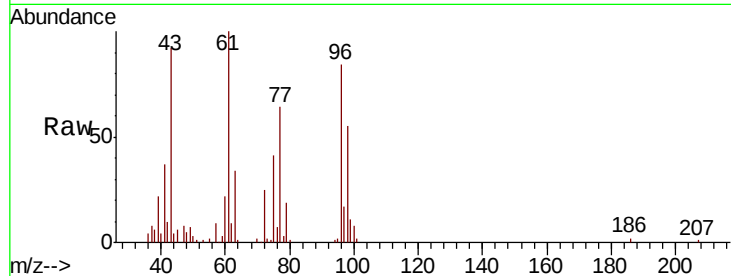
72 27.1 23.2 34.8

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#26

2,2-Dichloropropane

Concen: 9.285 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006543.D

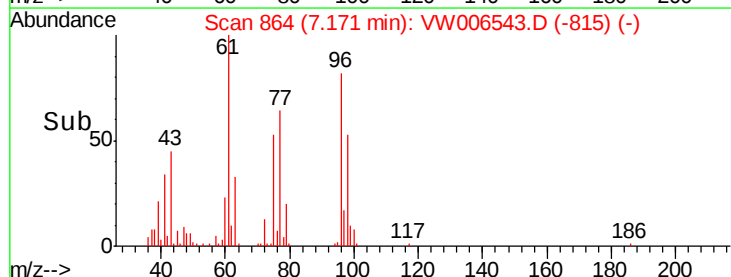
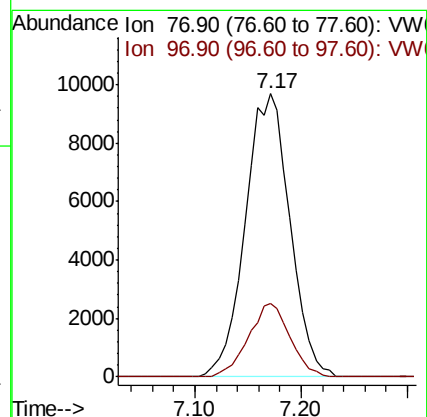
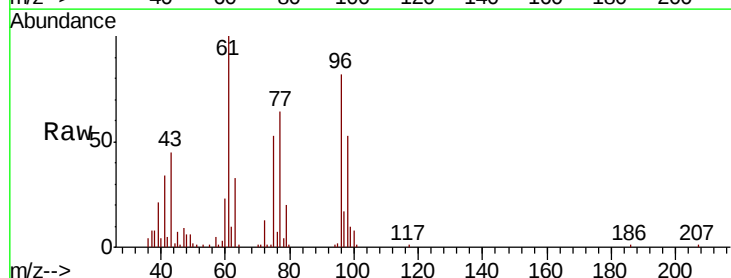
Acq: 31 Oct 2018 23:55

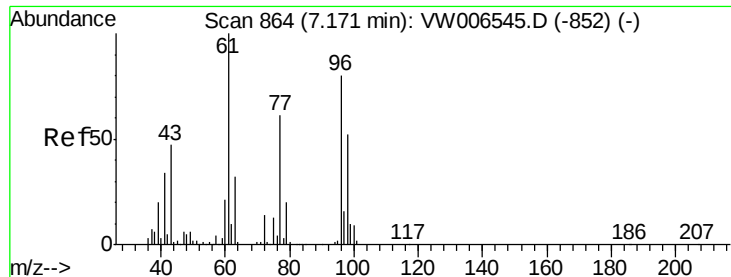
Tgt Ion: 77 Resp: 28428

Ion Ratio Lower Upper

77 100

97 24.1 12.8 38.4





#27

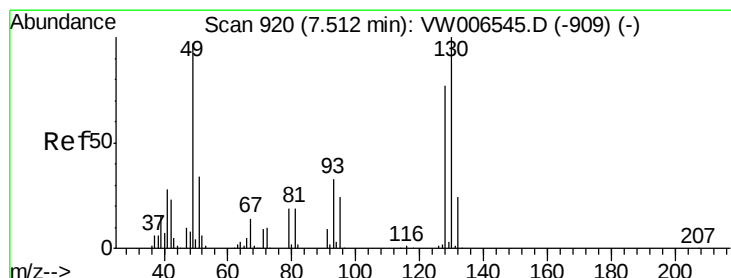
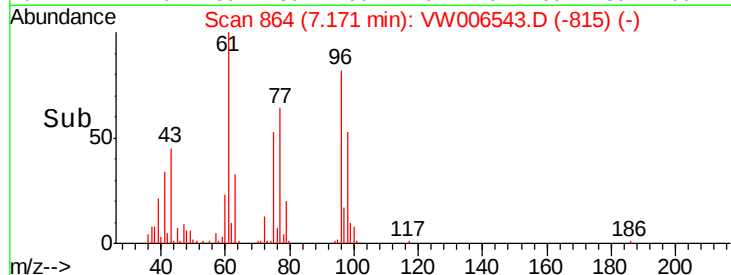
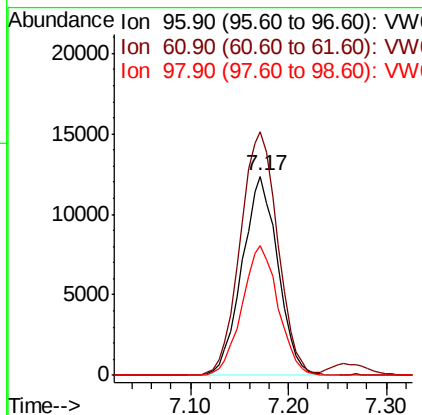
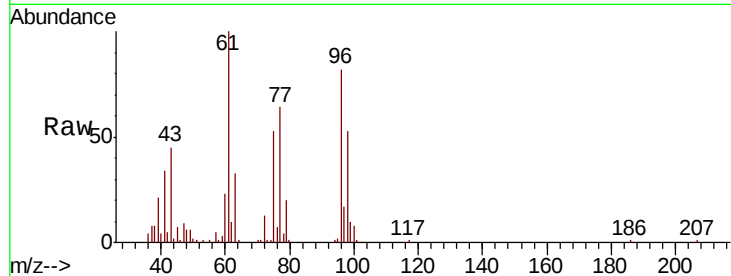
cis-1,2-Dichloroethene
Concen: 10.483 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	254.2
98	65.2	0.0	129.6

Manual Integrations
APPROVED

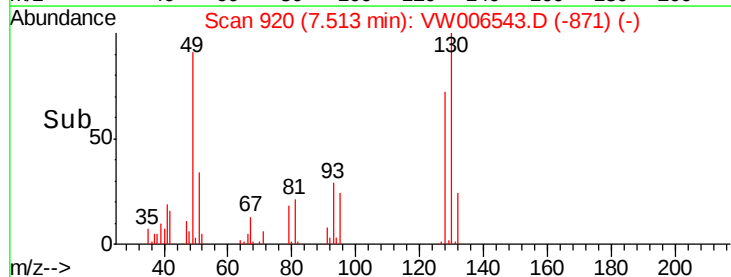
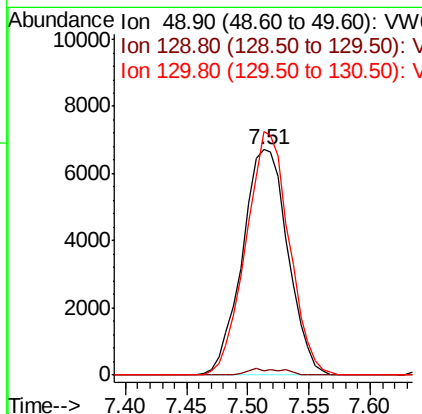
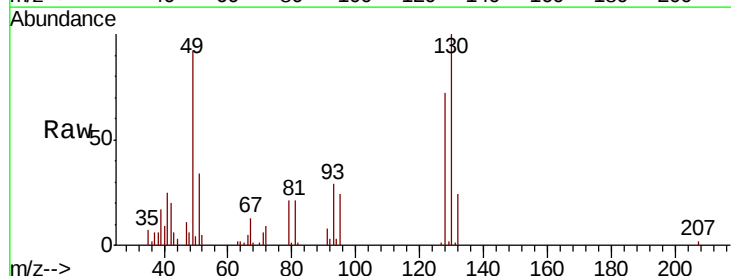
apatel
11/2/2018 3:11:24 PM

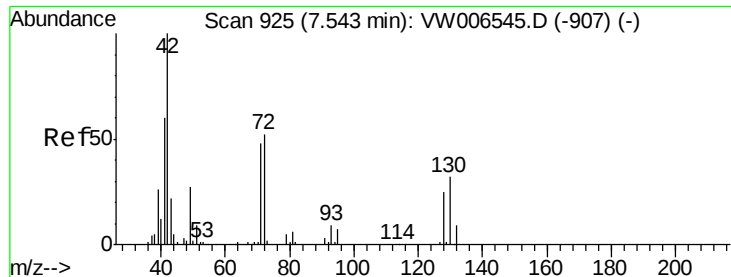


#28

Bromochloromethane
Concen: 10.220 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	5.6
130	102.3	82.2	123.2





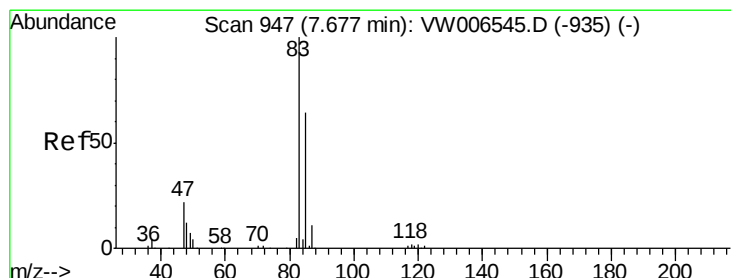
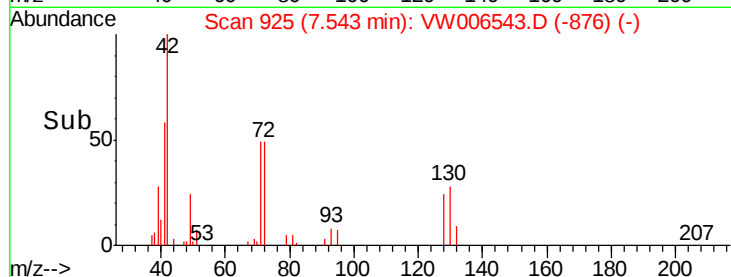
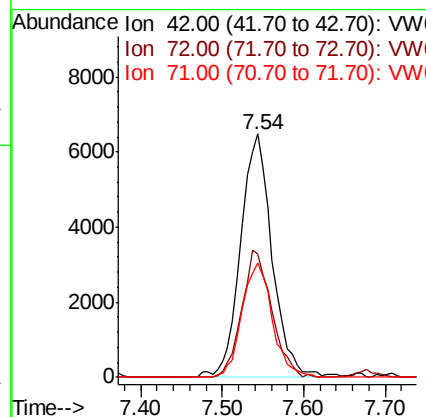
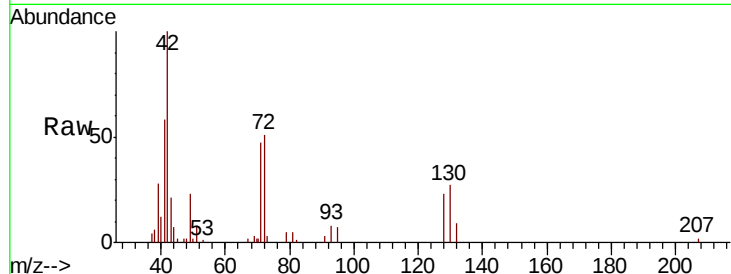
#29
Tetrahydrofuran
Concen: 43.729 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.3	39.2	58.8
71	45.1	37.6	56.4

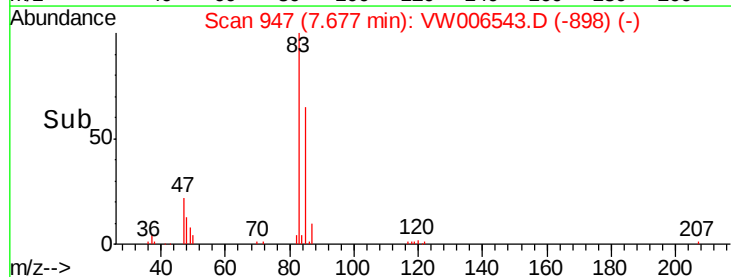
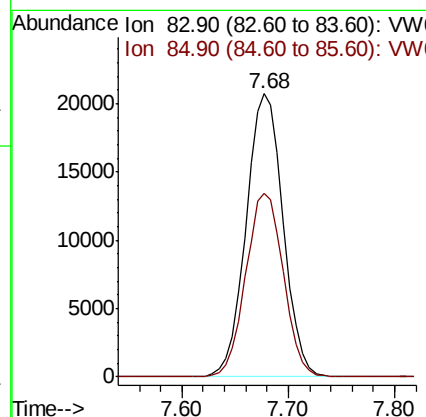
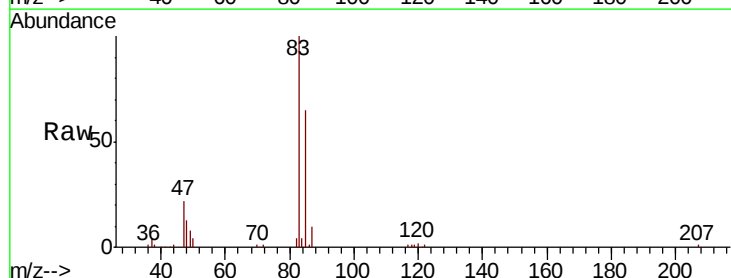
Manual Integrations
APPROVED

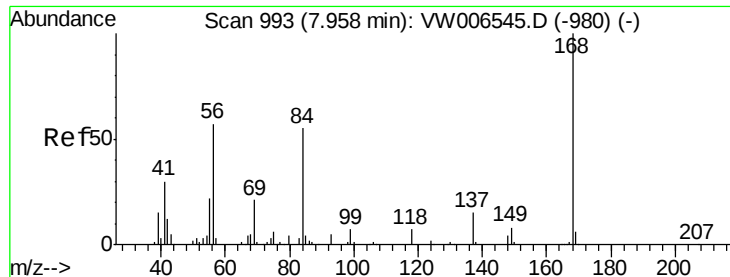
apatel
11/2/2018 3:11:24 PM



#30
Chloroform
Concen: 10.436 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.3	76.9





#31

Cyclohexane

Concen: 10.039 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

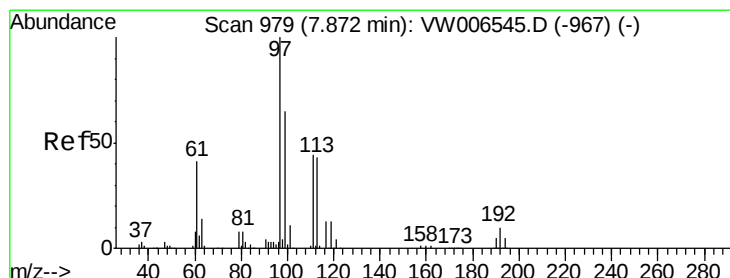
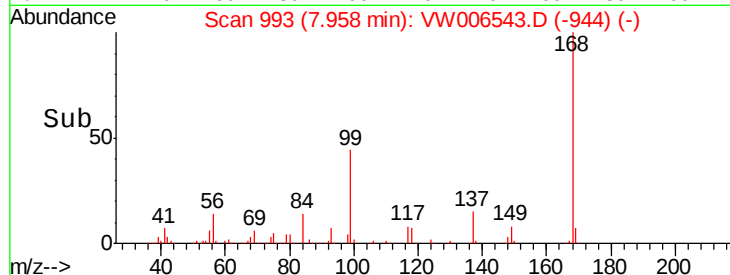
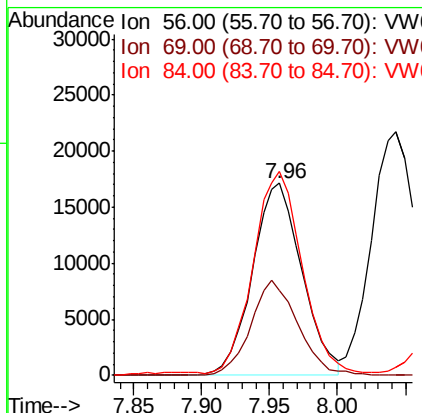
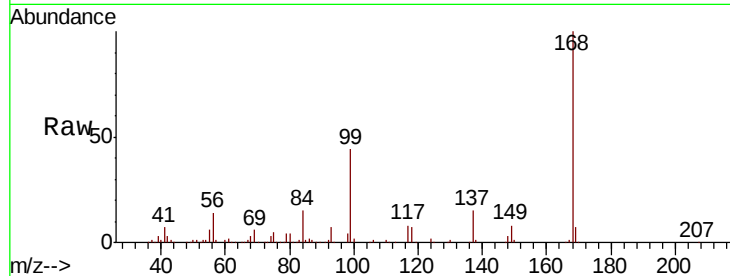
ClientSampled :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.2	29.0	43.4#
84	104.8	77.8	116.6

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#32

1,1,1-Trichloroethane

Concen: 9.831 ug/l

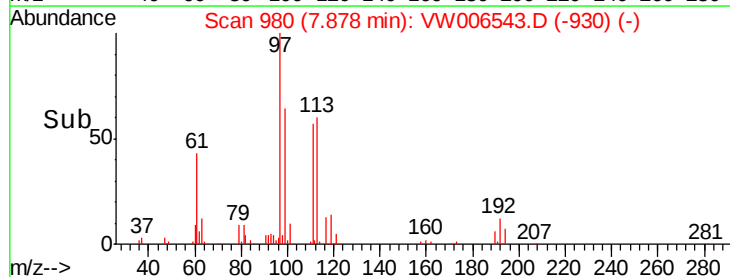
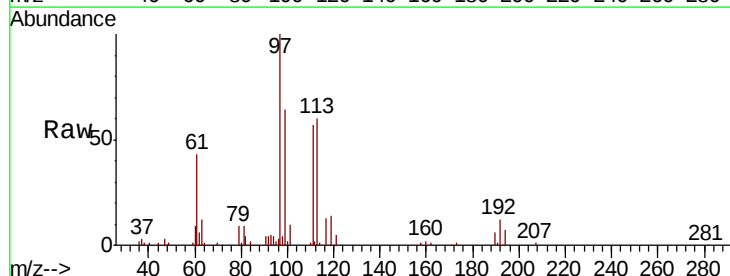
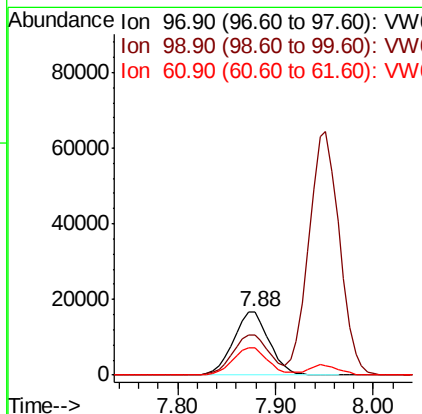
RT: 7.88 min Scan# 980

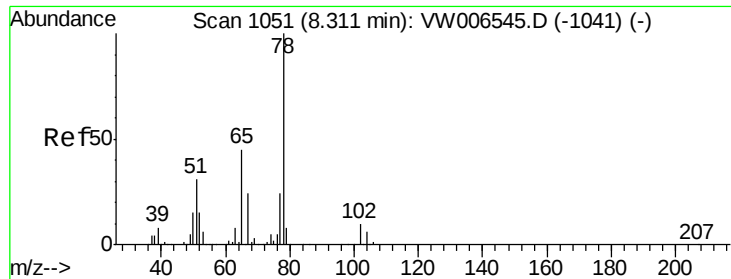
Delta R.T. 0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.7	77.5
61	42.5	32.9	49.3





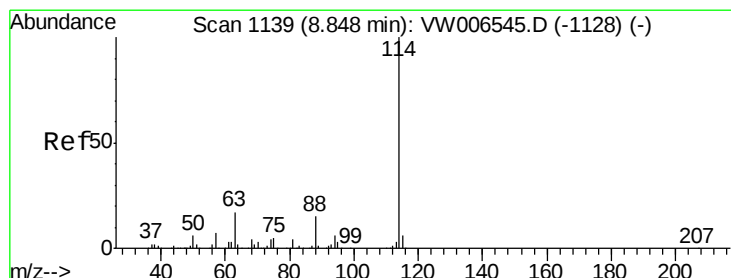
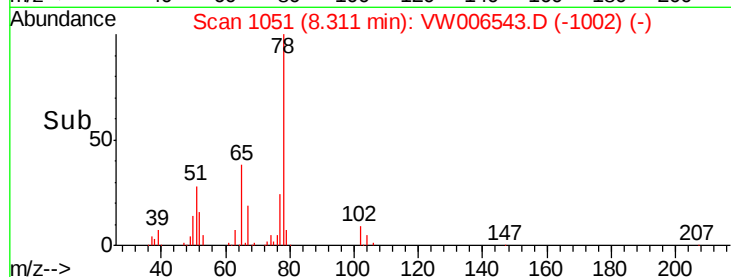
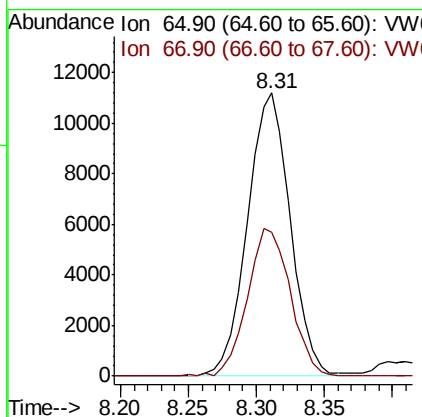
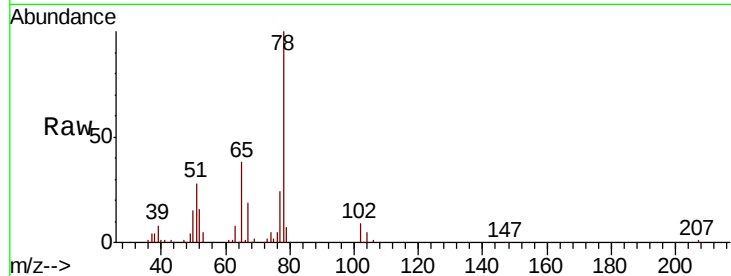
#33
 1,2-Dichloroethane-d4
 Concen: 10.088 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.4

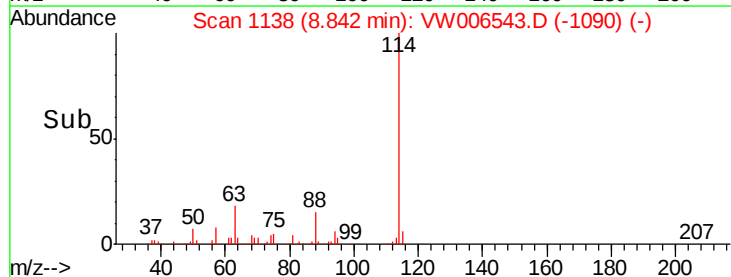
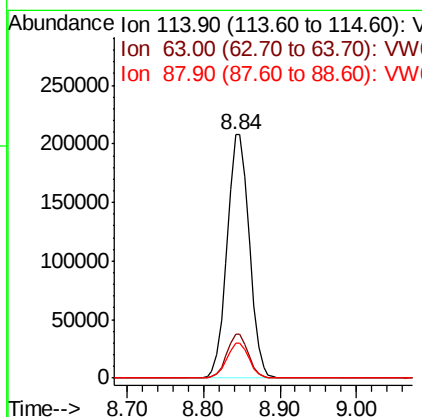
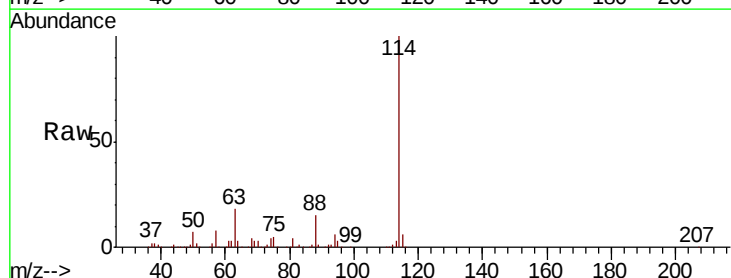
Manual Integrations
 APPROVED

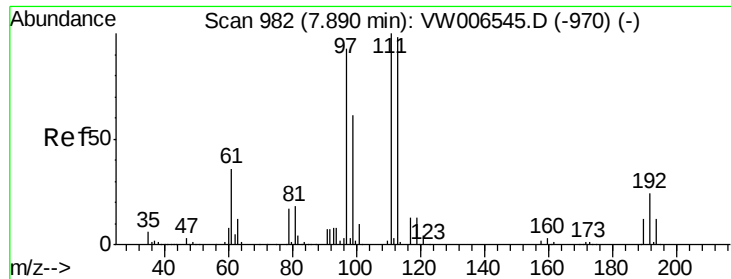
apatel
 11/2/2018 3:11:24 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	34.4
88	14.6	0.0	29.0





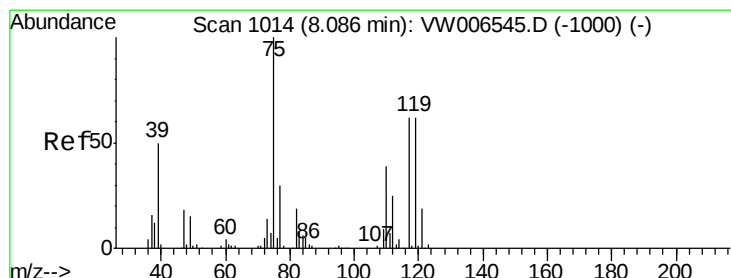
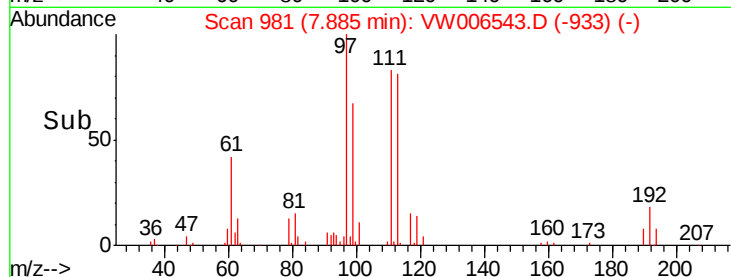
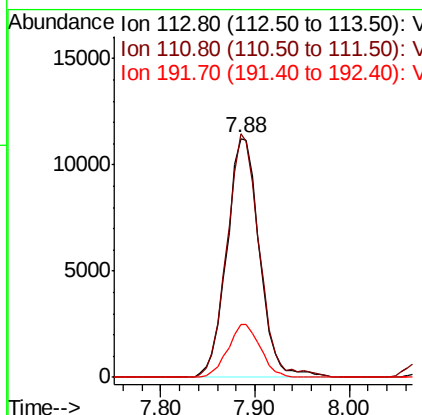
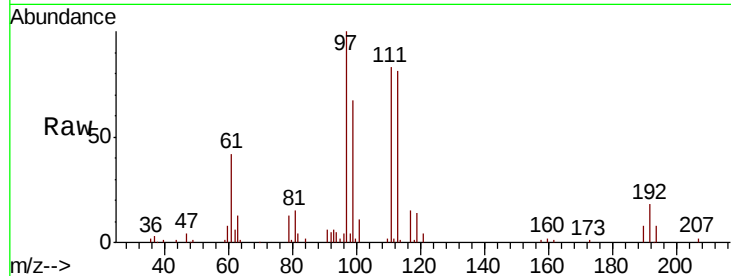
#35
 Dibromofluoromethane
 Concen: 10.831 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.2	123.2
192	21.9	19.0	28.6

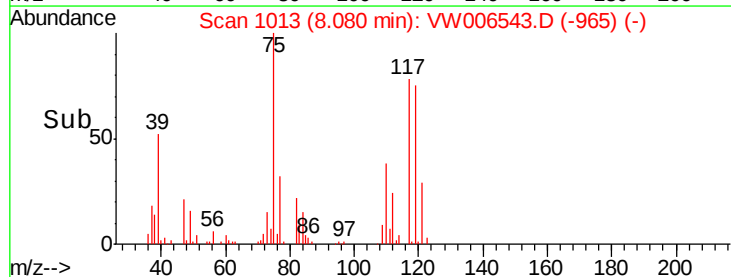
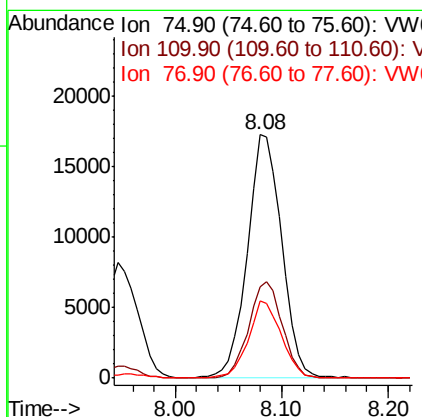
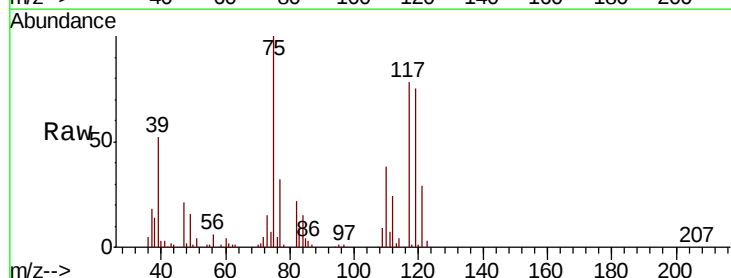
Manual Integrations
 APPROVED

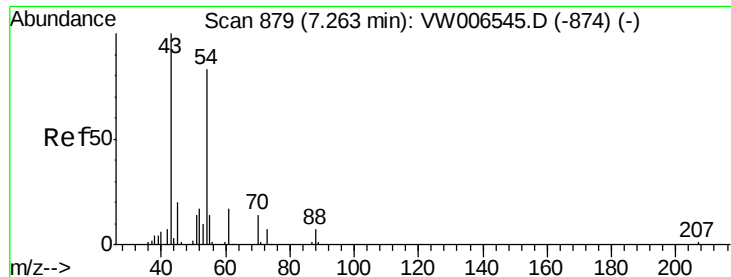
apatel
 11/2/2018 3:11:24 PM



#36
 1,1-Dichloropropene
 Concen: 10.267 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	19.5	58.5
77	30.5	24.6	37.0





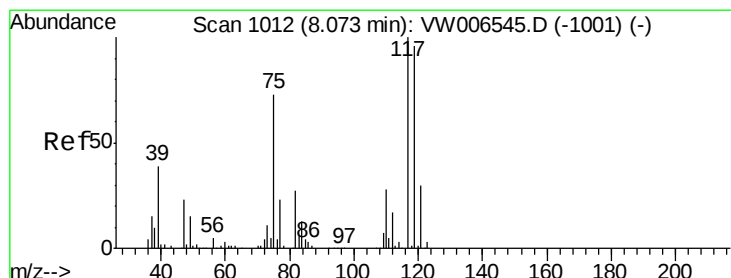
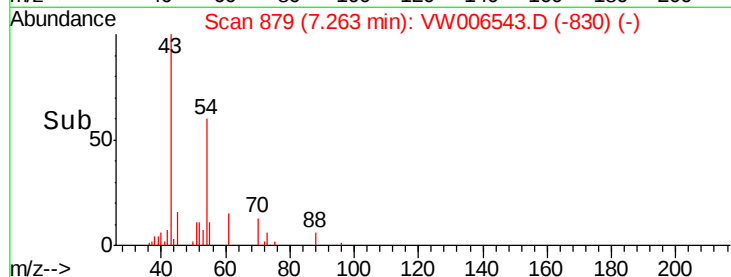
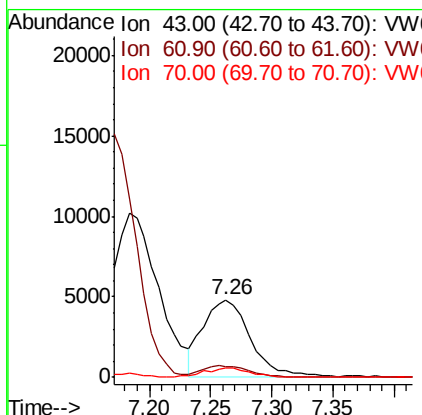
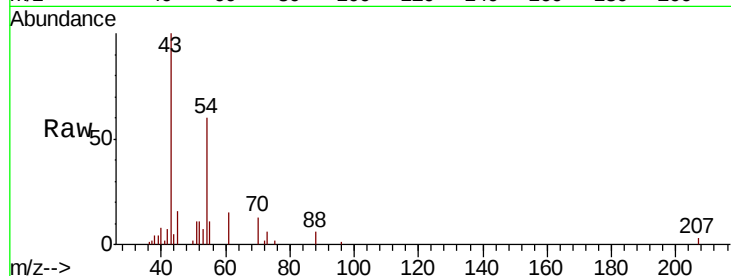
#37
Ethyl Acetate
Concen: 9.035 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.1	18.1
70	12.2	9.8	14.6

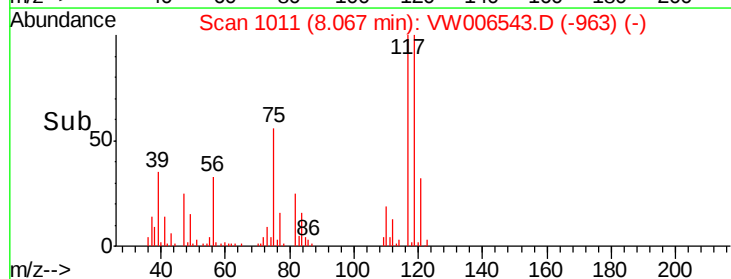
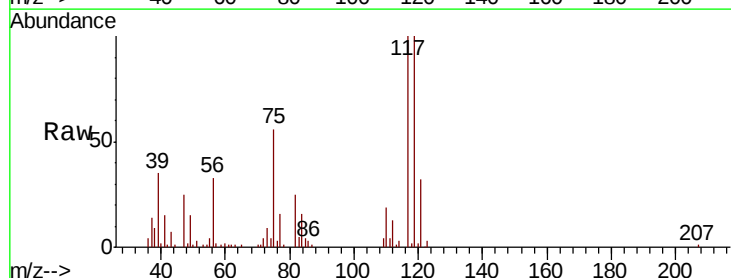
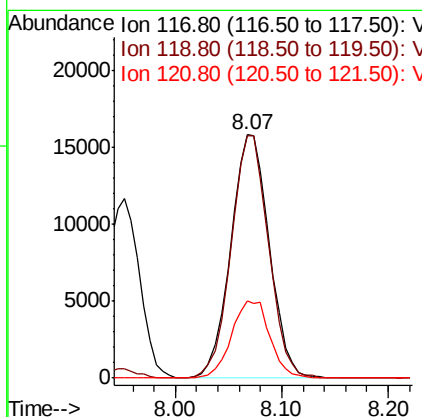
Manual Integrations
APPROVED

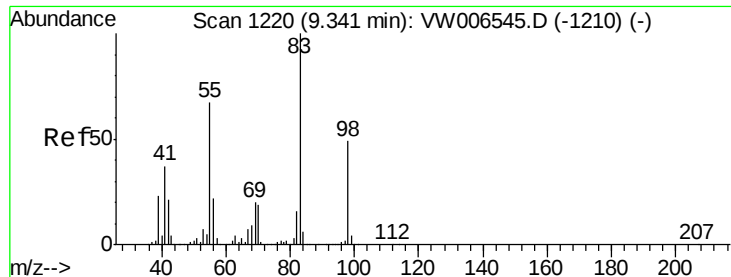
apatel
11/2/2018 3:11:24 PM



#38
Carbon Tetrachloride
Concen: 9.663 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	76.3	114.5
121	31.8	24.1	36.1





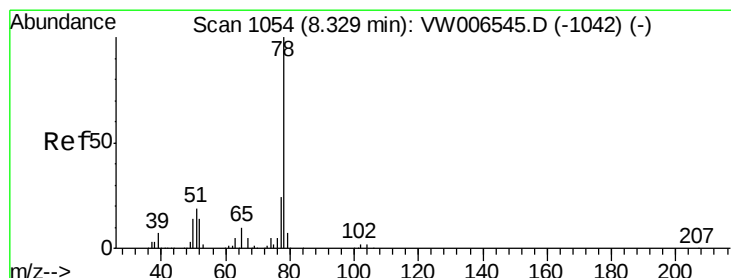
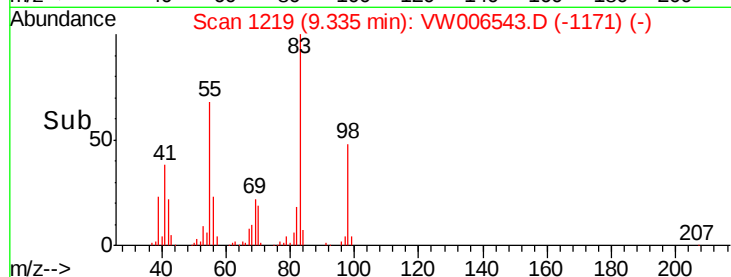
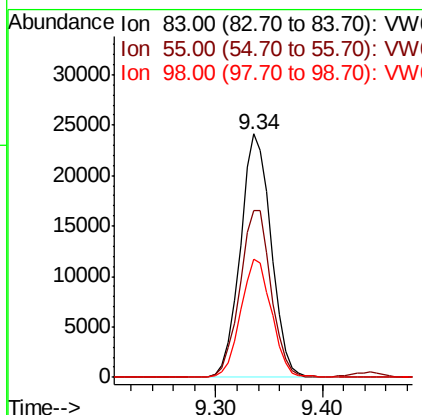
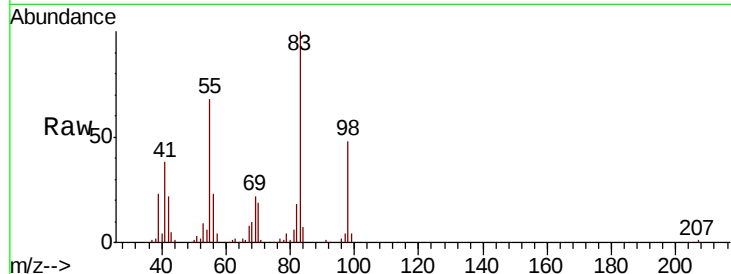
#39
Methvlcvclohexane
Concen: 9.729 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	83	Resp	49085
Ion Ratio	100	Lower	Upper
83	100		
55	68.4	53.7	80.5
98	48.3	39.2	58.8

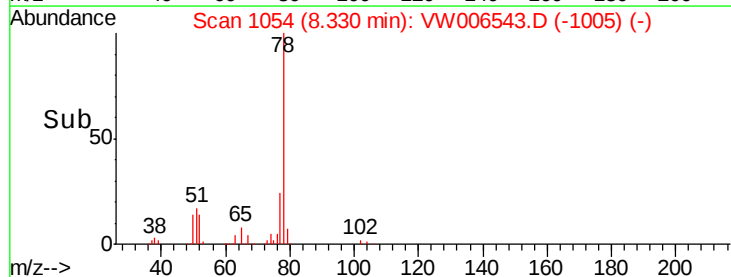
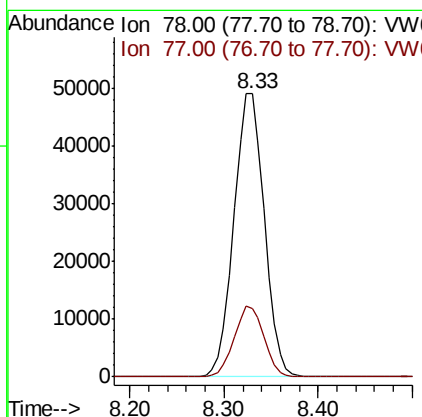
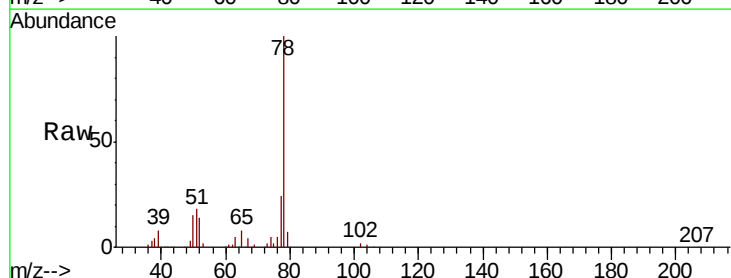
Manual Integrations
APPROVED

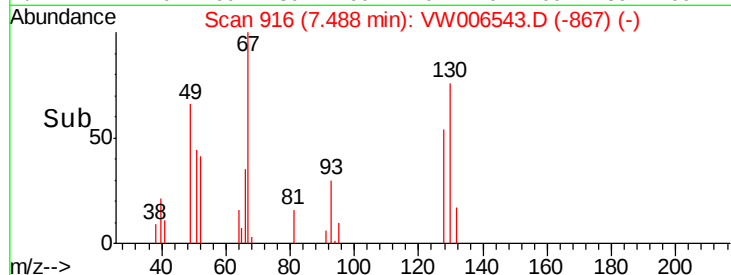
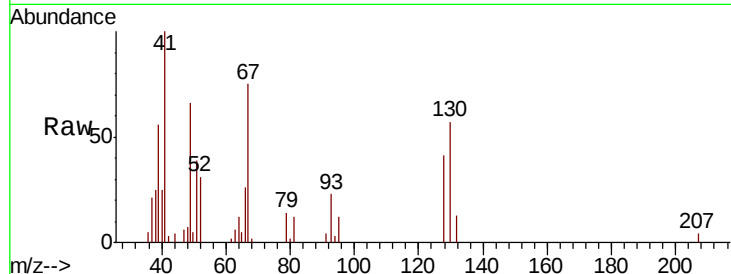
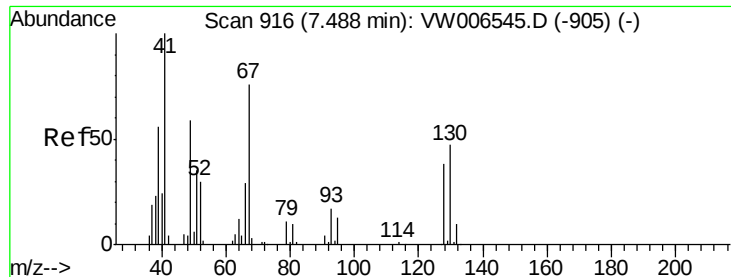
apatel
11/2/2018 3:11:24 PM



#40
Benzene
Concen: 10.486 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	78	Resp	110593
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	19.2	28.8





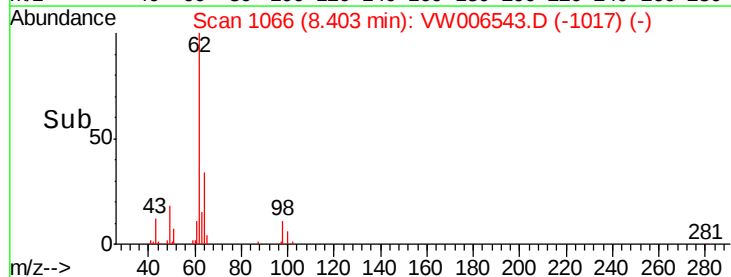
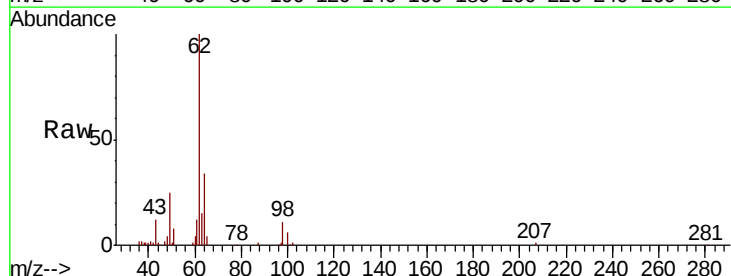
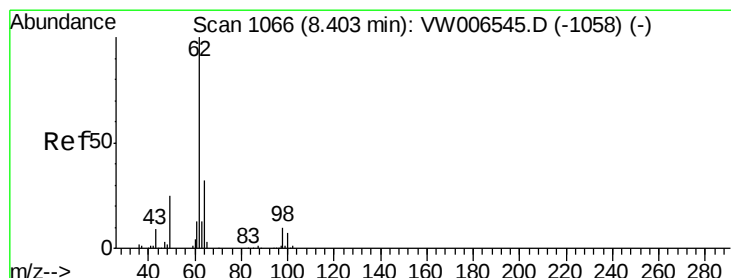
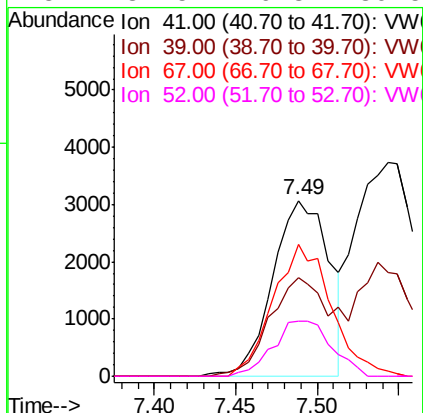
#41
Methacrylonitrile
Concen: 8.791 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tot Ion:	41	Resp:	7420
Ion	Ratio	Lower	Upper
41	100		
39	63.2	44.5	66.7
67	77.2	63.8	95.8
52	32.5	26.3	39.5

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

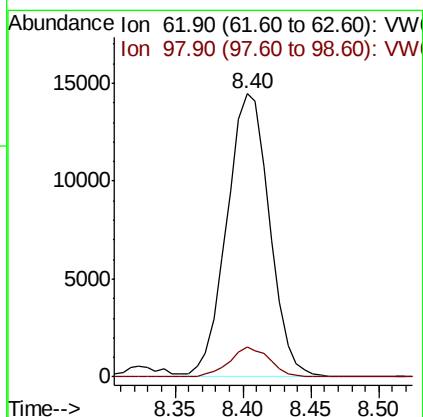
Manual Integrations
APPROVED

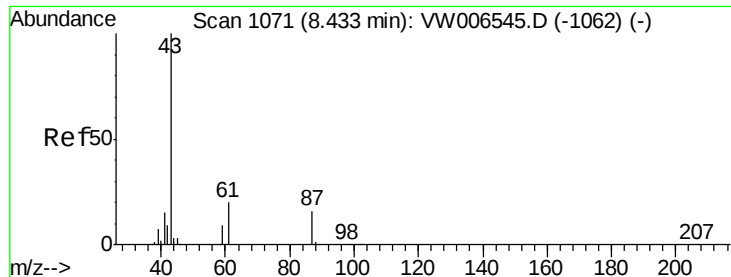
apatel
11/2/2018 3:11:24 PM



#42
1,2-Dichloroethane
Concen: 10.243 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:	62	Resp:	31533
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.8





#43

Isopropyl Acetate

Concen: 8.588 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

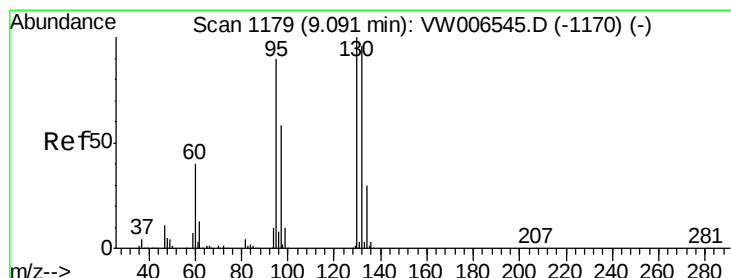
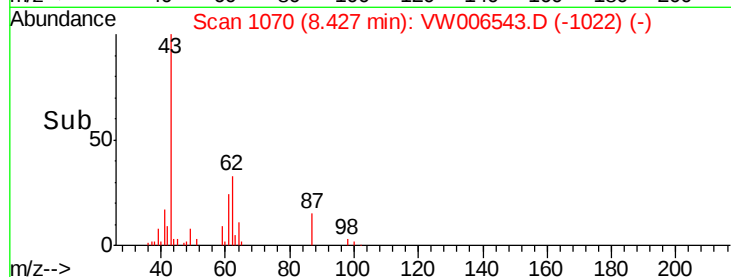
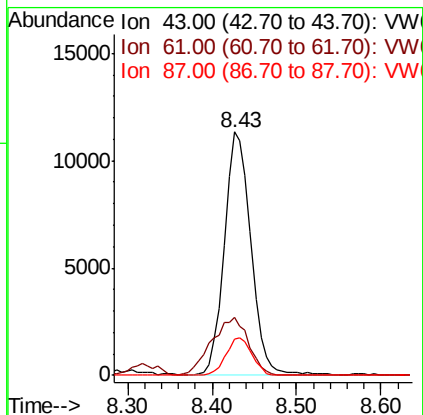
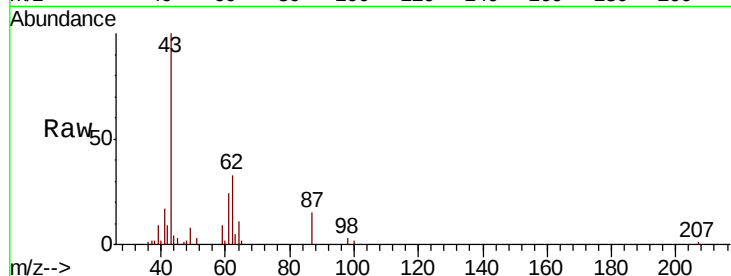
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	24607
Ion	Ratio	Lower	Upper
43	100		
61	32.9	27.2	40.8
87	15.0	12.9	19.3

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#44

Trichloroethene

Concen: 10.730 ug/l

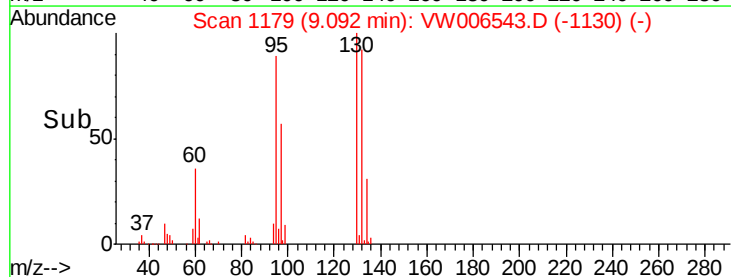
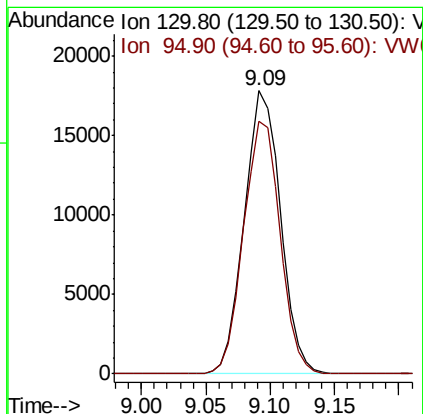
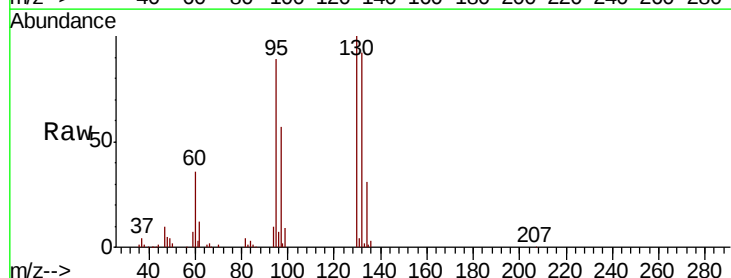
RT: 9.09 min Scan# 1179

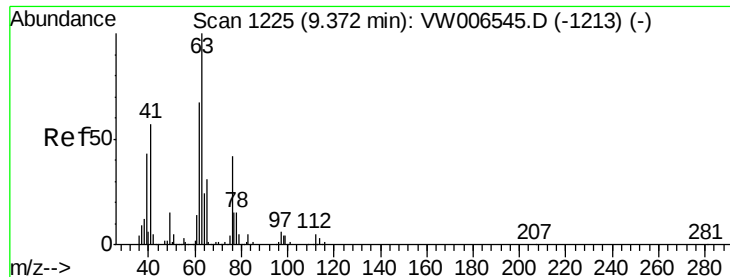
Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion:	130	Resp:	34738
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	179.2





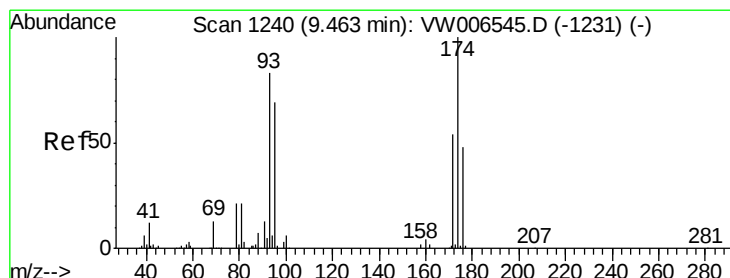
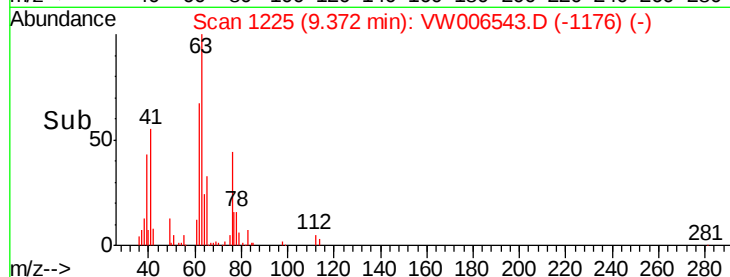
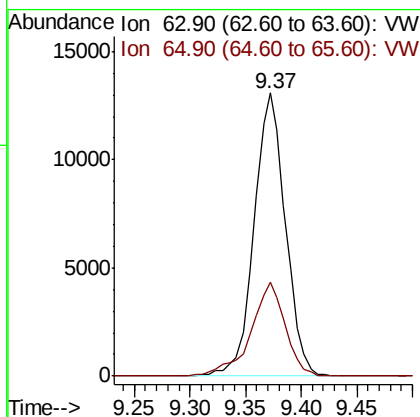
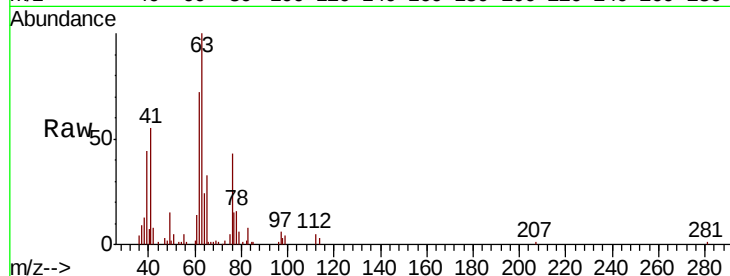
#45
 1,2-Dichloropropane
 Concen: 10.159 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.1	37.7

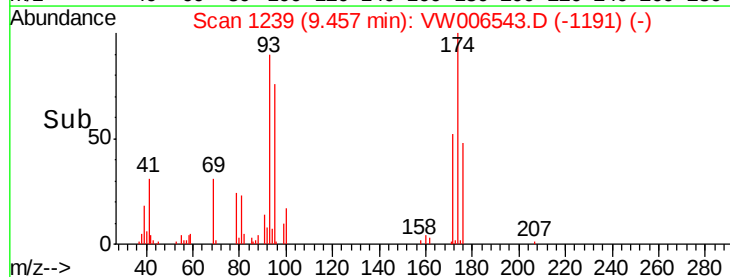
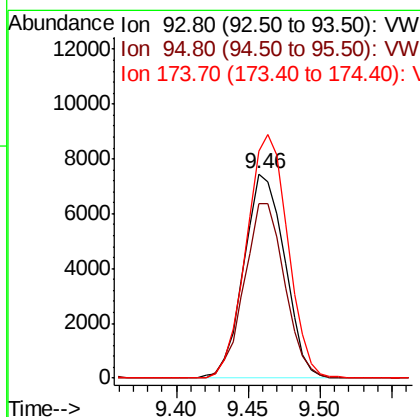
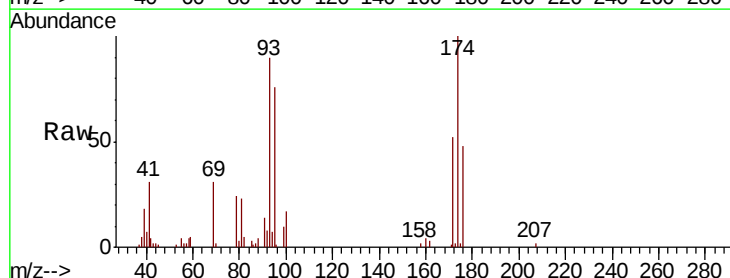
Manual Integrations
 APPROVED

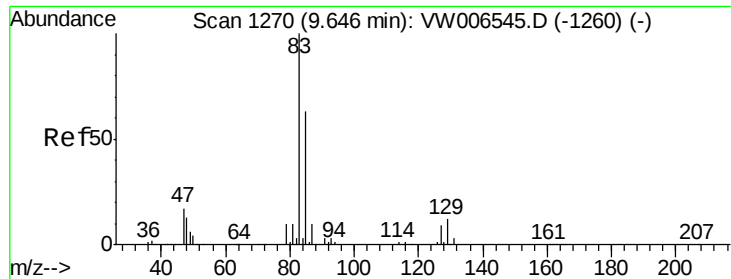
apatel
 11/2/2018 3:11:24 PM



#46
 Dibromomethane
 Concen: 10.188 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.2	100.8
174	120.9	97.3	145.9





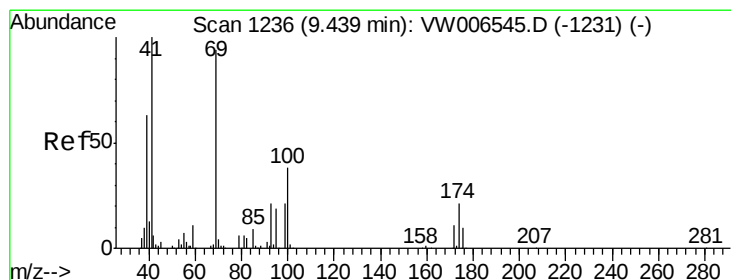
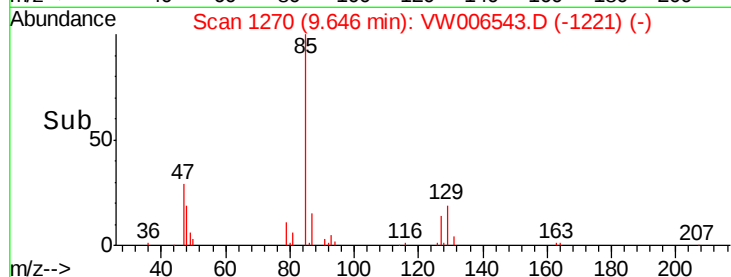
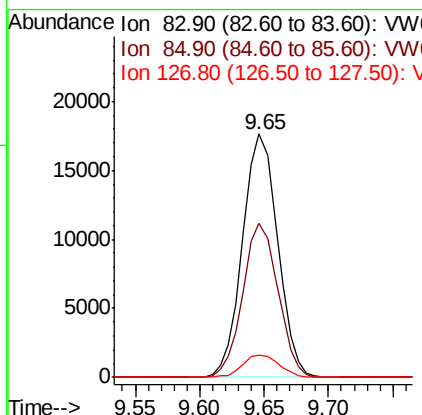
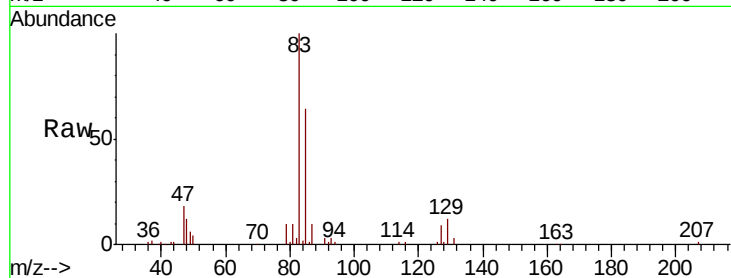
#47
Bromodichloromethane
Concen: 9.619 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.5	50.6	75.8	
127	8.9	7.5	11.3	

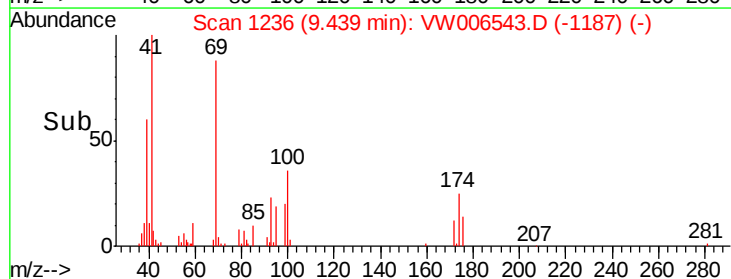
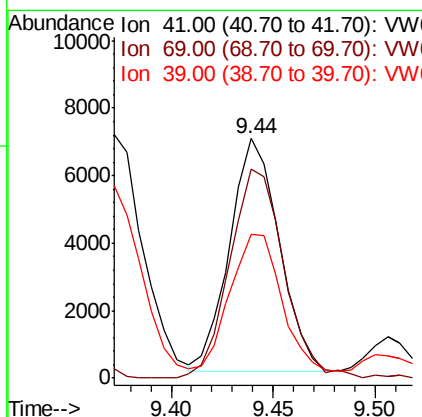
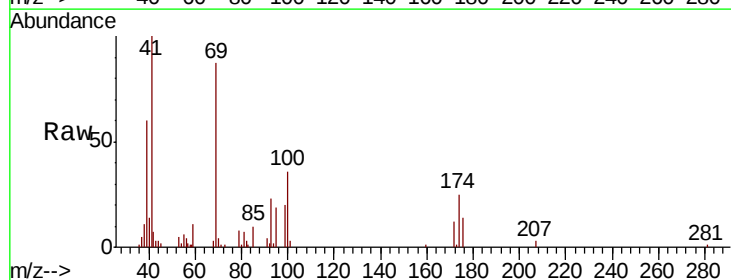
Manual Integrations
APPROVED

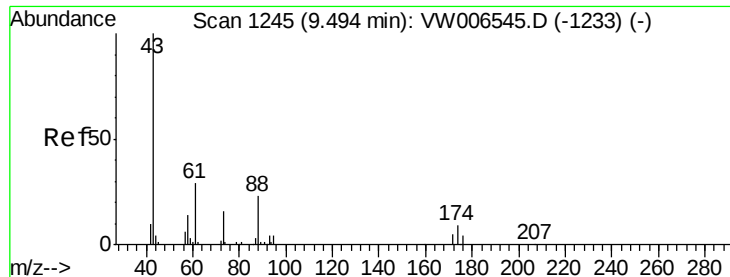
apatel
11/2/2018 3:11:24 PM



#48
Methyl methacrylate
Concen: 8.573 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	97.8	77.8	116.8	
39	61.3	48.7	73.1	





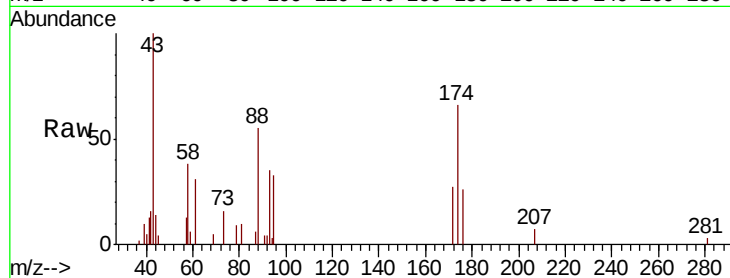
#49
 1,4-Dioxane
 Concen: 185.570 ug/l
 RT: 9.49 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

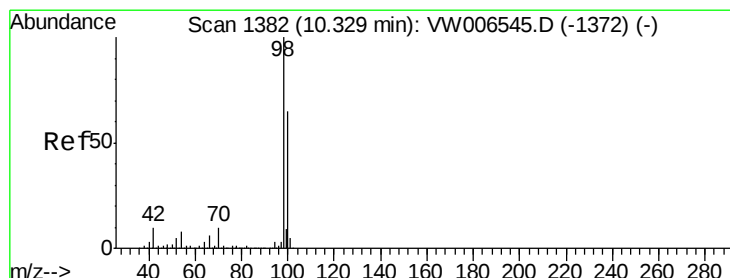
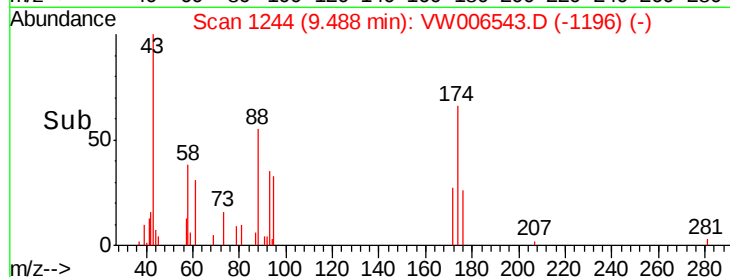
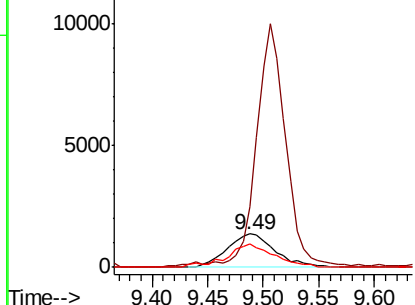
Tot Ion	Ratio	Lower	Upper
88	100		
43	433.4	356.6	534.8
58	69.2	51.4	77.2

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:11:24 PM

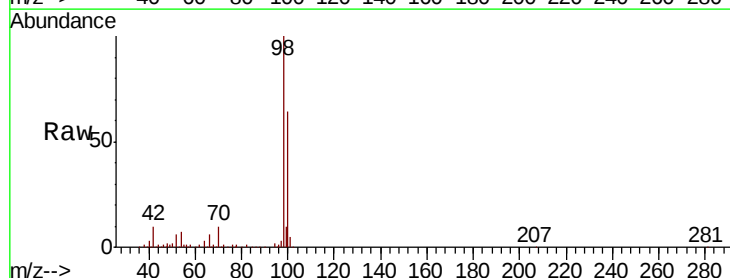


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

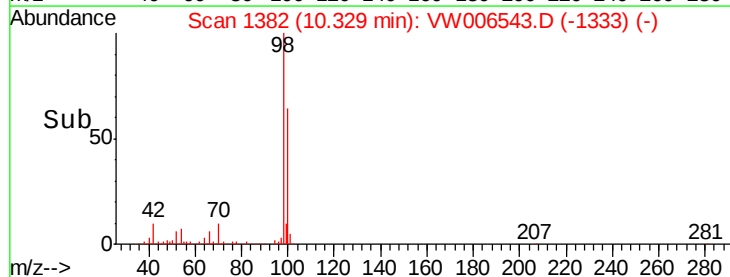
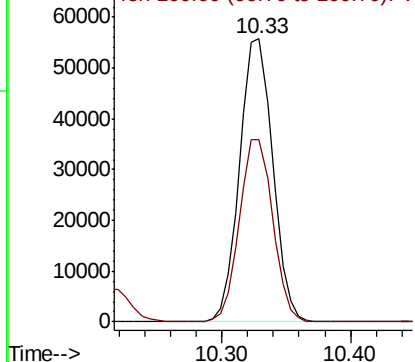


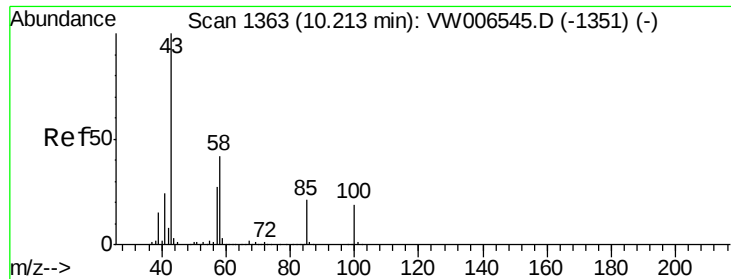
#50
 Toluene-d8
 Concen: 10.466 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 42.984 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 62008

Ion Ratio Lower Upper

43 100

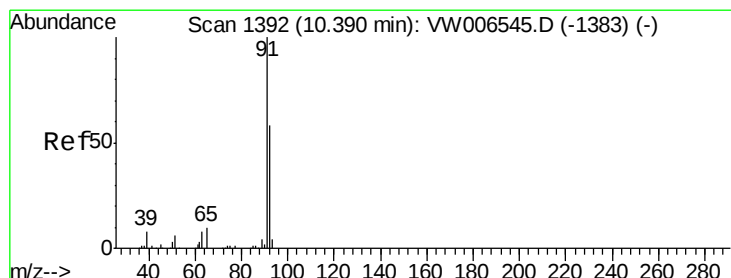
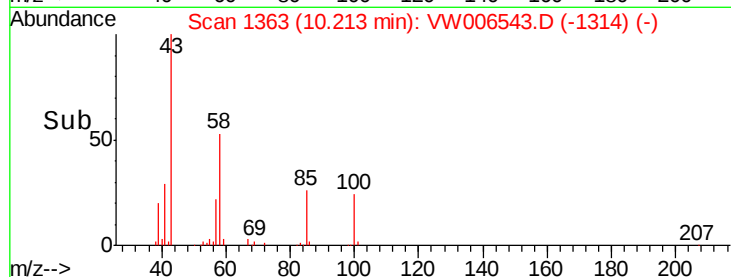
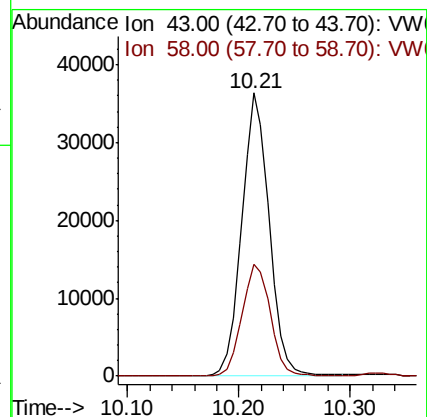
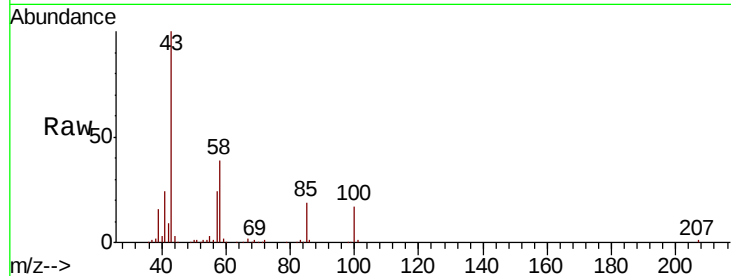
58 40.8 33.4 50.0

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#52

Toluene

Concen: 10.330 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006543.D

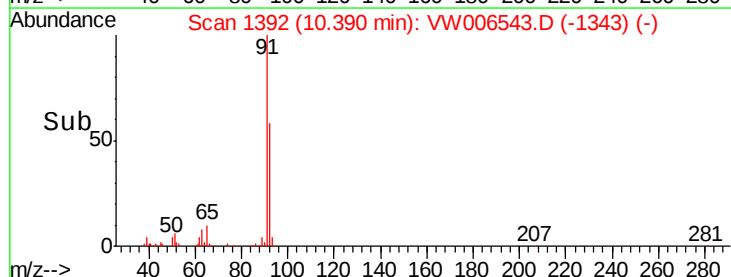
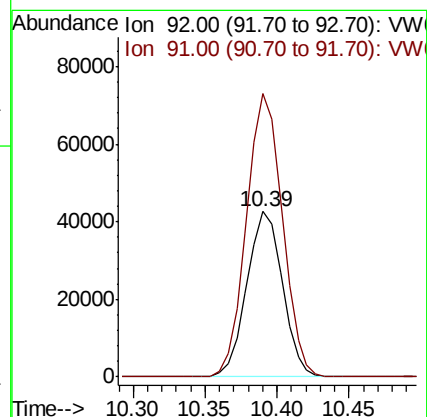
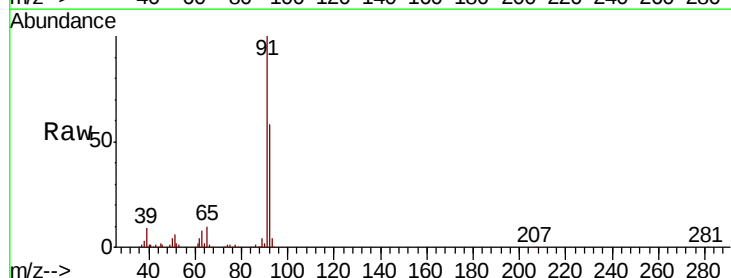
Acq: 31 Oct 2018 23:55

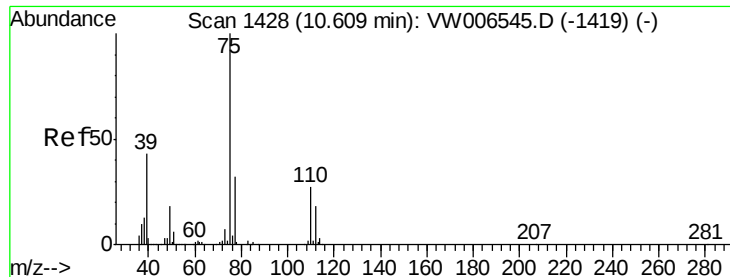
Tgt Ion: 92 Resp: 73024

Ion Ratio Lower Upper

92 100

91 172.9 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 8.893 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 30636

Ion Ratio Lower Upper

75 100

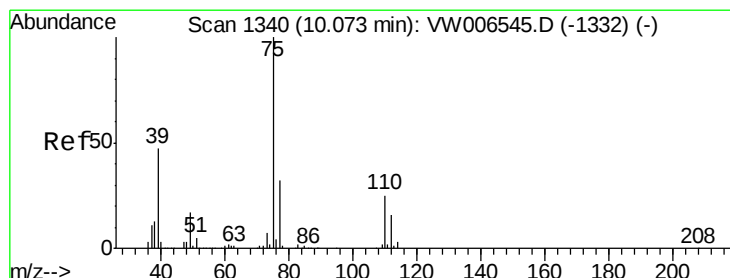
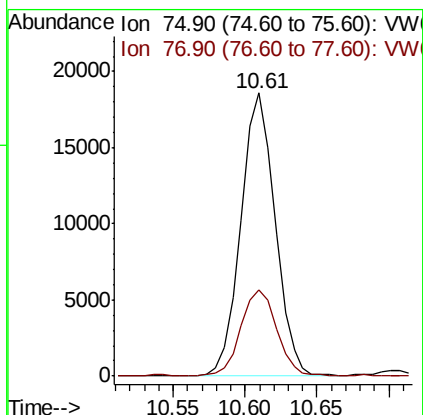
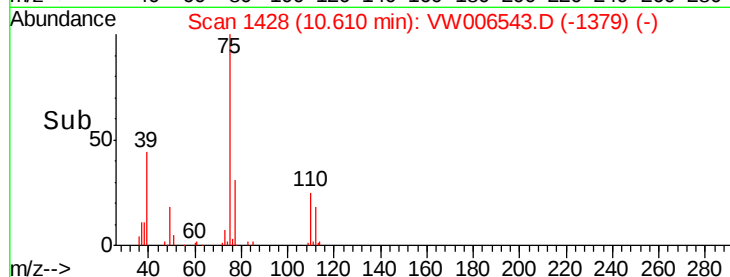
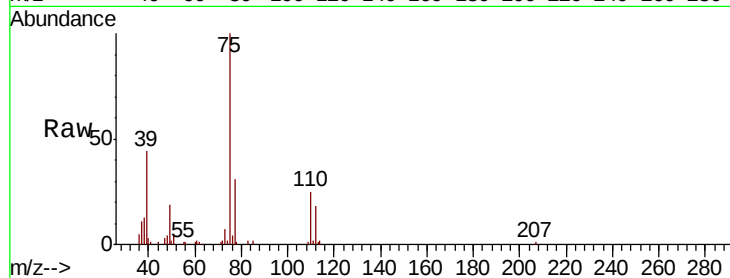
77 30.6 25.6 38.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#54

cis-1,3-Dichloropropene

Concen: 9.380 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

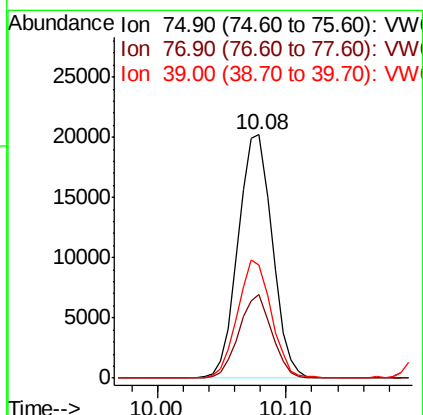
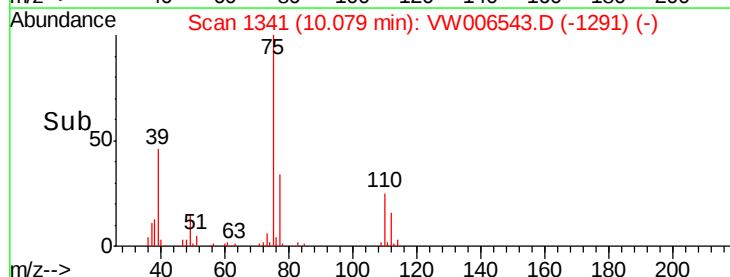
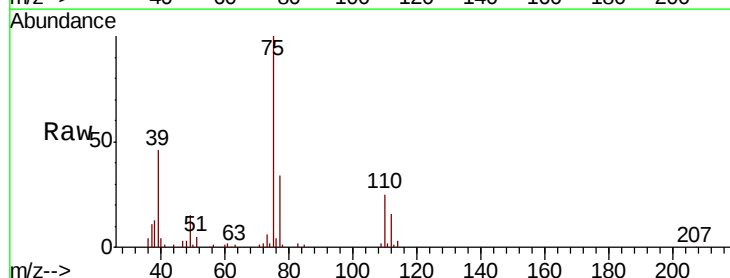
Tgt Ion: 75 Resp: 37172

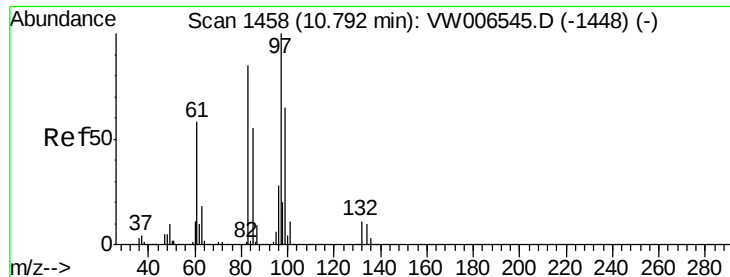
Ion Ratio Lower Upper

75 100

77 34.3 25.7 38.5

39 46.3 37.3 55.9





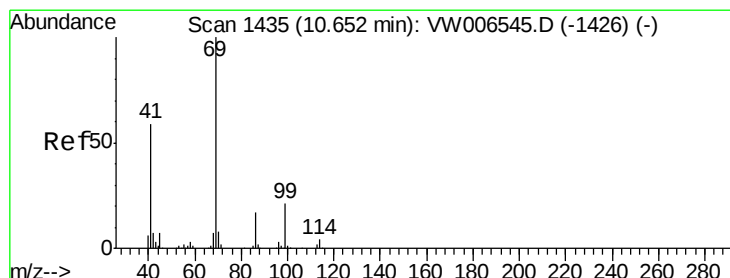
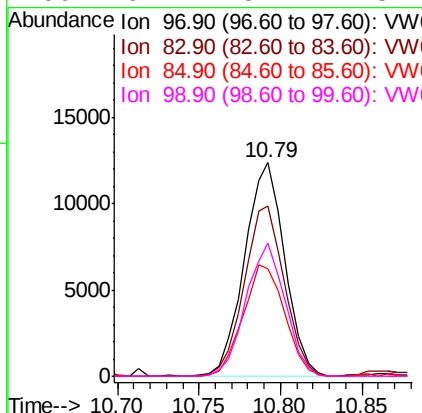
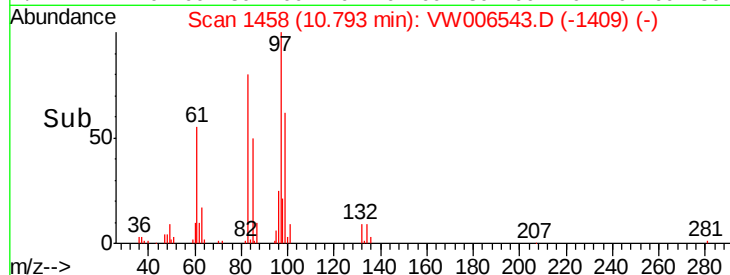
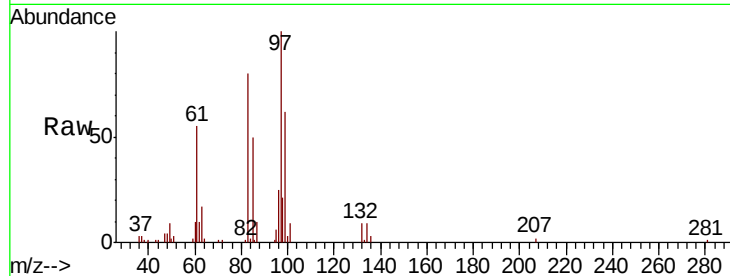
#55
 1,1,2-Trichloroethane
 Concen: 10.505 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	21169
Ion	Ratio	Lower	Upper
97	100		
83	79.7	67.9	101.9
85	50.1	44.0	66.0
99	62.2	52.2	78.2

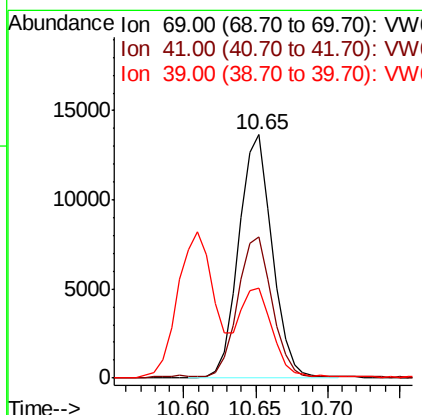
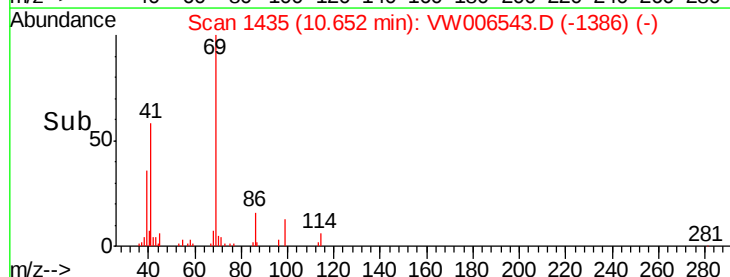
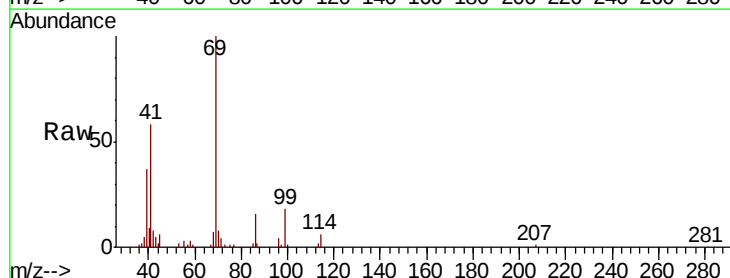
Manual Integrations
 APPROVED

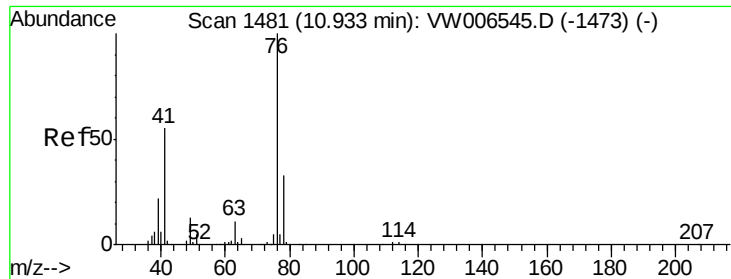
apatel
 11/2/2018 3:11:24 PM



#56
 Ethyl methacrylate
 Concen: 8.982 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion:	69	Resp:	22040
Ion	Ratio	Lower	Upper
69	100		
41	61.1	47.4	71.2
39	33.1	25.3	37.9





#57

1,3-Dichloropropane

Concen: 10.124 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 76 Resp: 33673

Ion Ratio Lower Upper

76 100

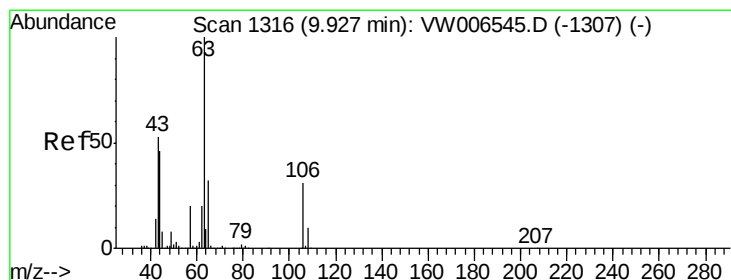
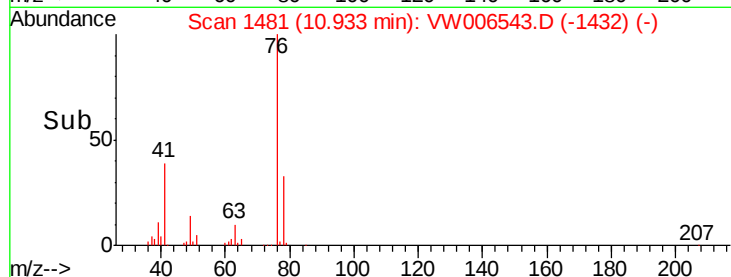
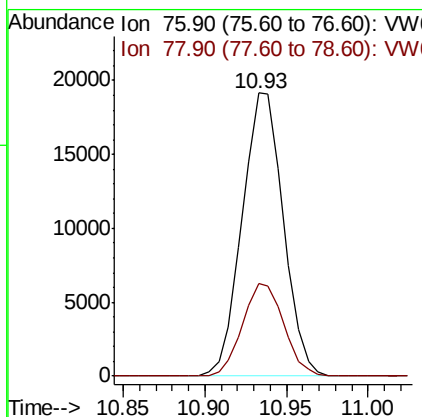
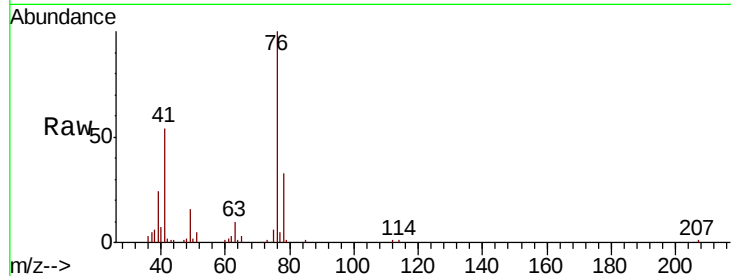
78 32.8 26.2 39.4

Manual Integrations

APPROVED

apatel

11/2/2018 3:11:24 PM



#58

2-Chloroethyl Vinyl ether

Concen: 55.575 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW006543.D

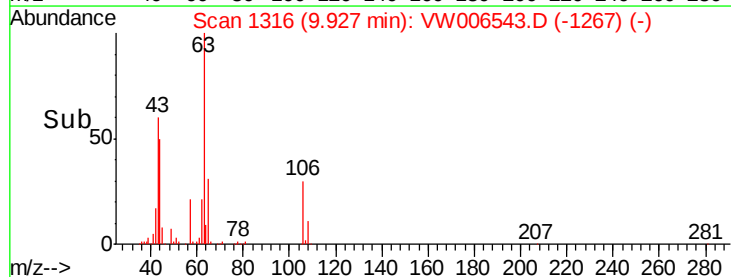
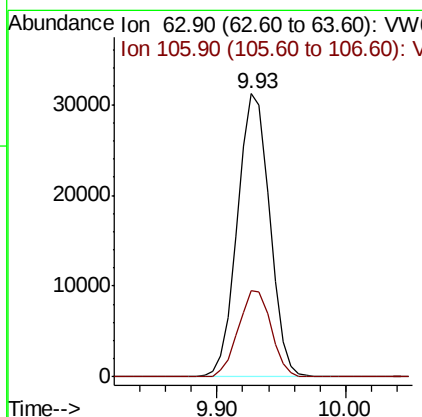
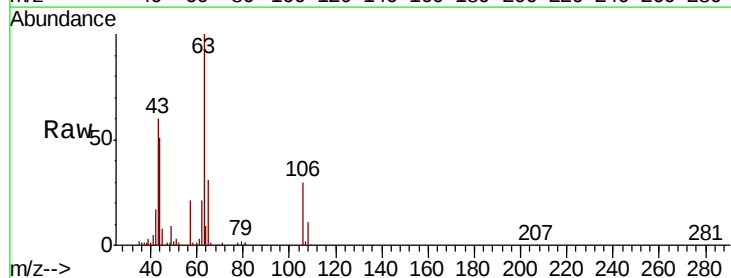
Acq: 31 Oct 2018 23:55

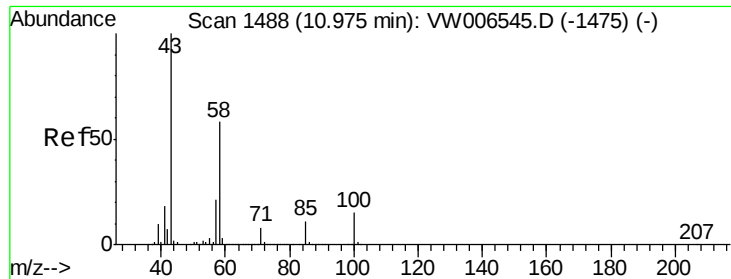
Tgt Ion: 63 Resp: 54181

Ion Ratio Lower Upper

63 100

106 31.0 25.4 38.2





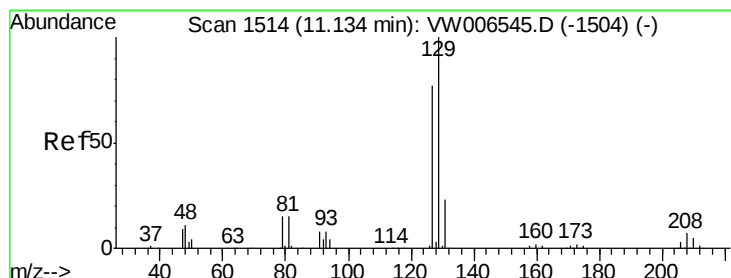
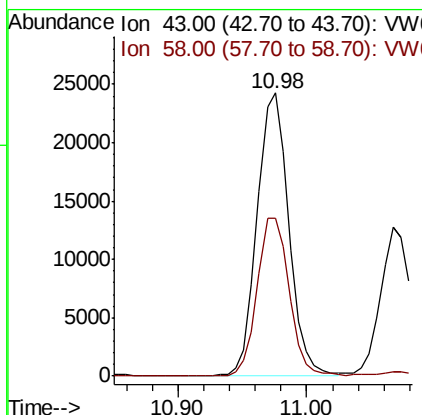
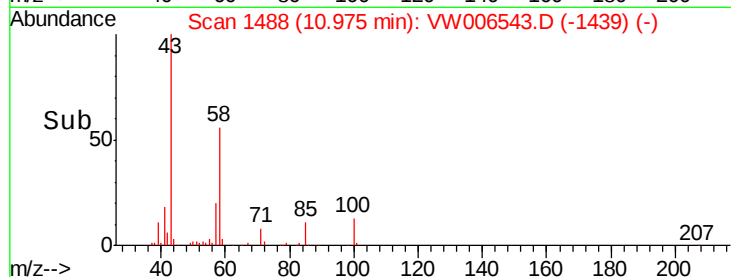
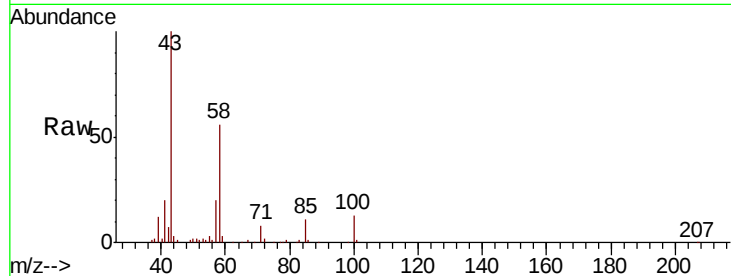
#59
2-Hexanone
Concen: 40.358 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 43 Resp: 41394
Ion Ratio Lower Upper
43 100
58 56.4 28.8 86.4

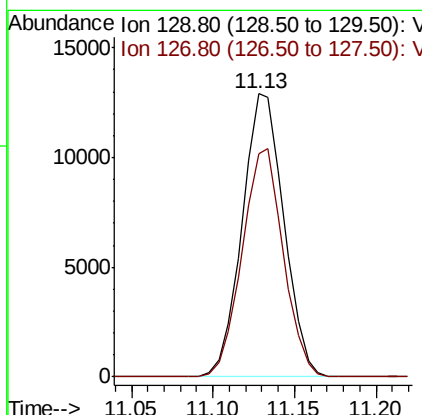
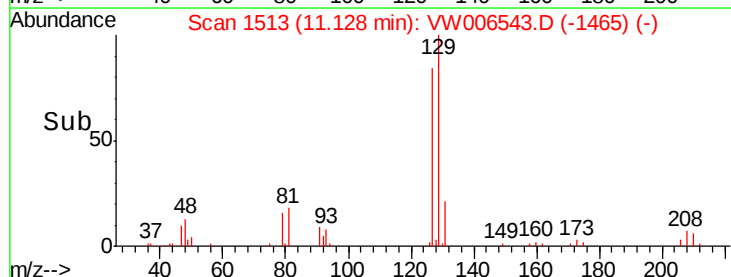
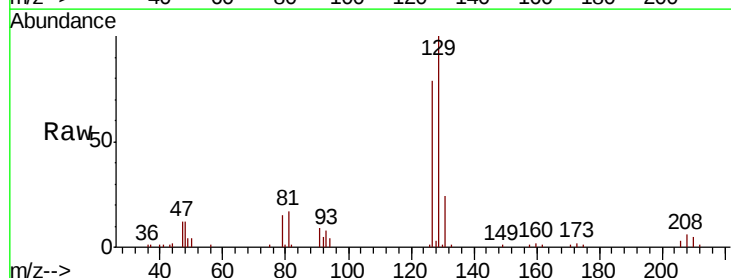
Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#60
Dibromochloromethane
Concen: 9.192 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 129 Resp: 22967
Ion Ratio Lower Upper
129 100
127 79.3 38.8 116.3





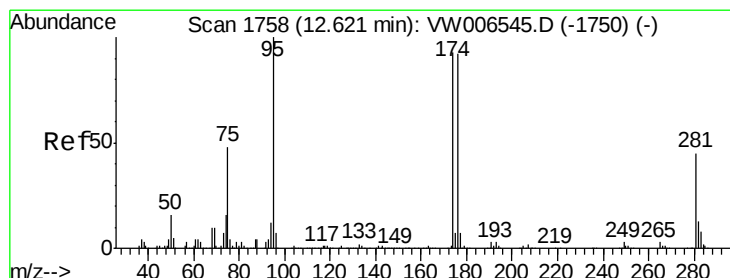
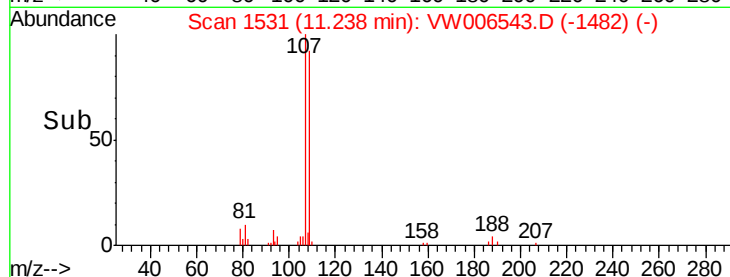
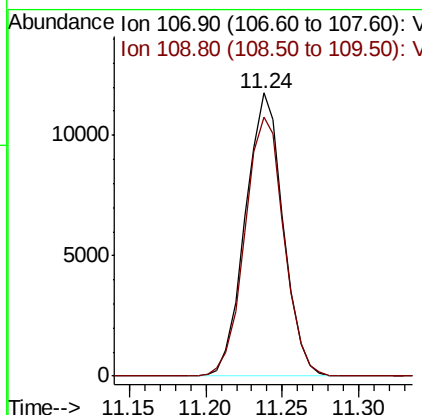
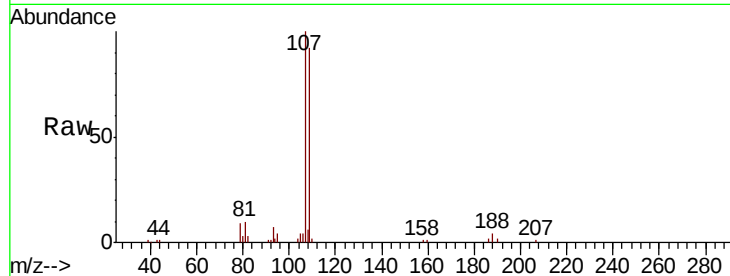
#61
 1,2-Dibromoethane
 Concen: 10.011 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.8	113.6

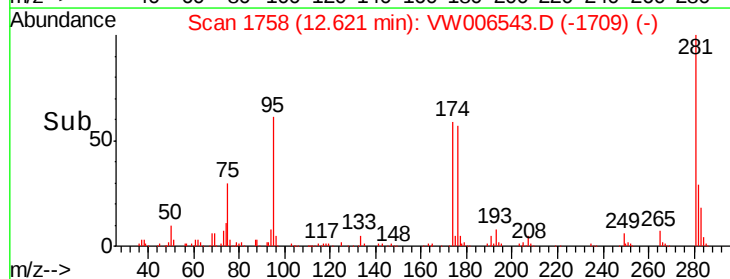
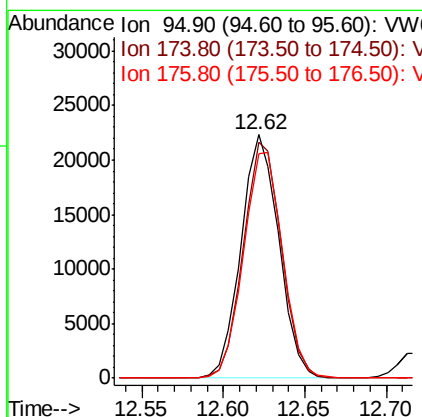
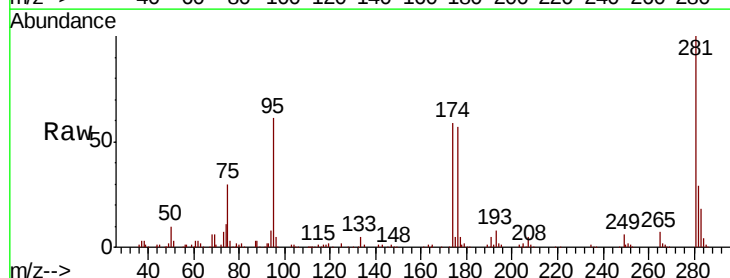
Manual Integrations
 APPROVED

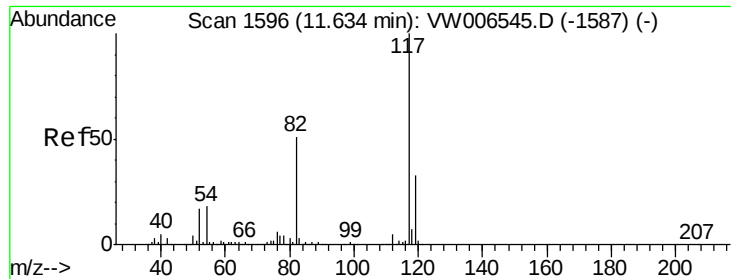
apatel
 11/2/2018 3:11:24 PM



#62
 4-Bromofluorobenzene
 Concen: 10.166 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.5	0.0	192.4
176	95.7	0.0	187.4





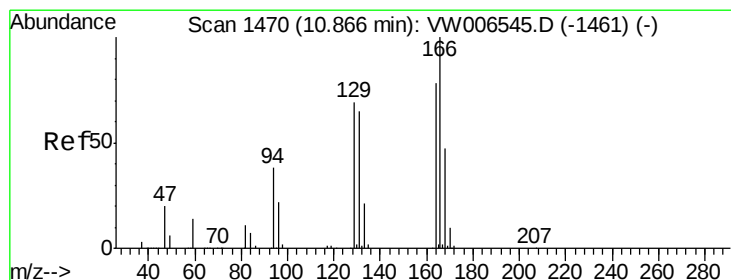
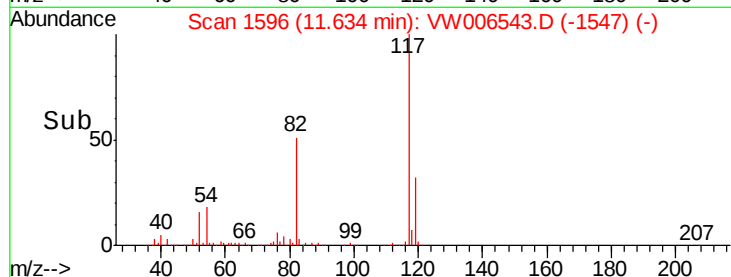
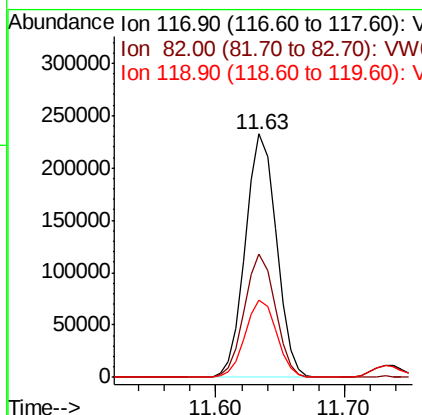
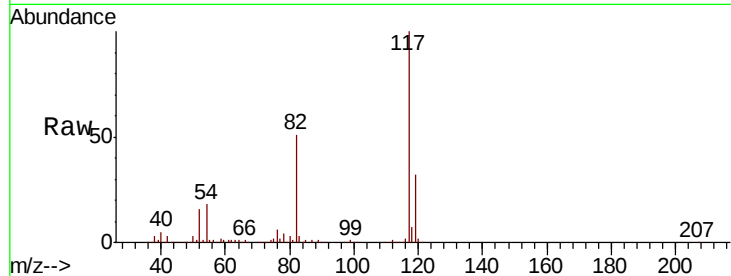
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	387010		
82	50.6		40.8	61.2
119	31.7		26.1	39.1

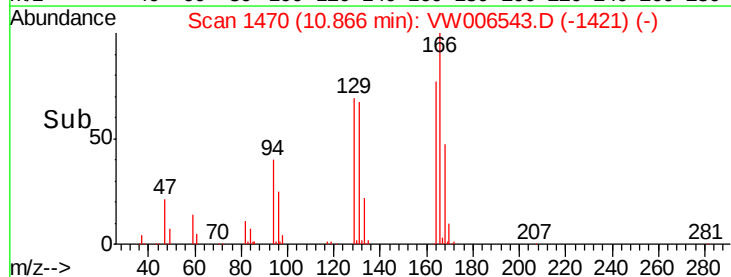
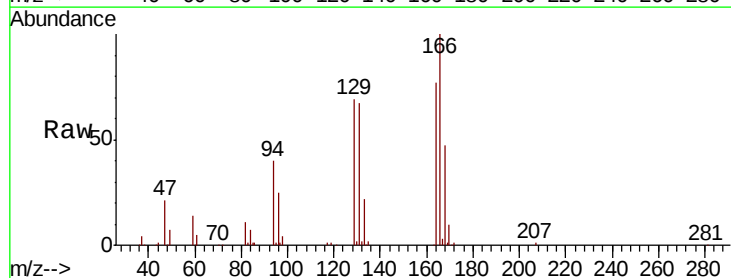
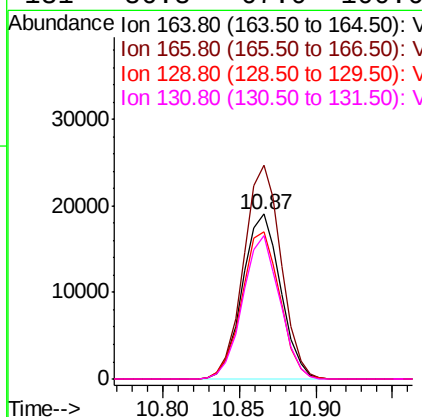
Manual Integrations
APPROVED

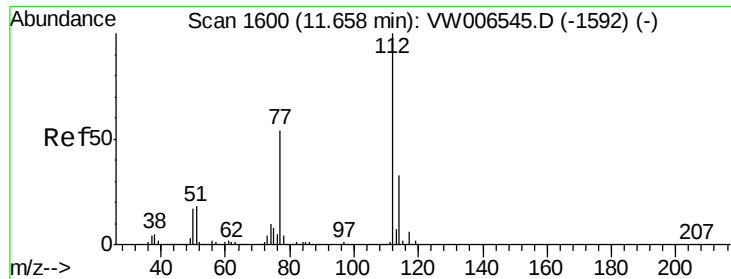
apatel
11/2/2018 3:11:24 PM



#64
Tetrachloroethene
Concen: 10.903 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	33011		
166	129.4		102.8	154.2
129	89.0		70.9	106.3
131	86.8		67.0	100.6





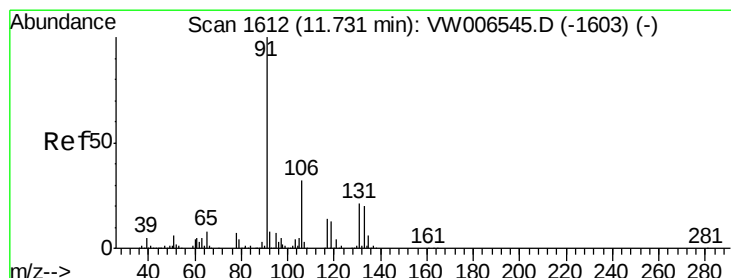
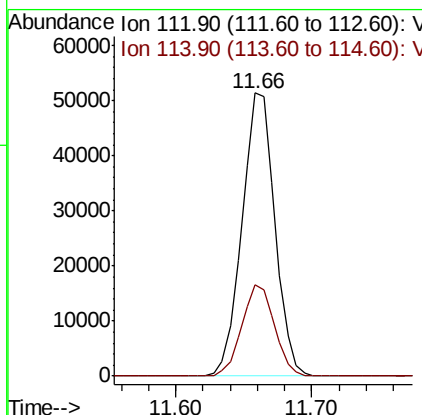
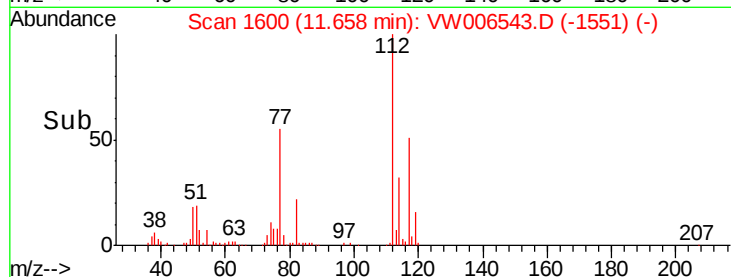
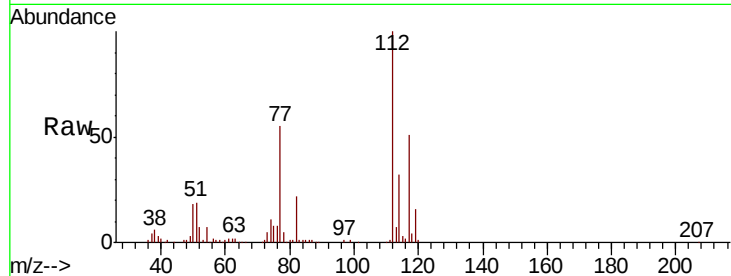
#65
Chlorobenzene
Concen: 10.466 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.2	39.2

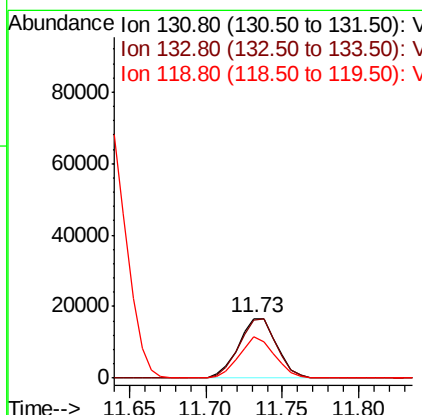
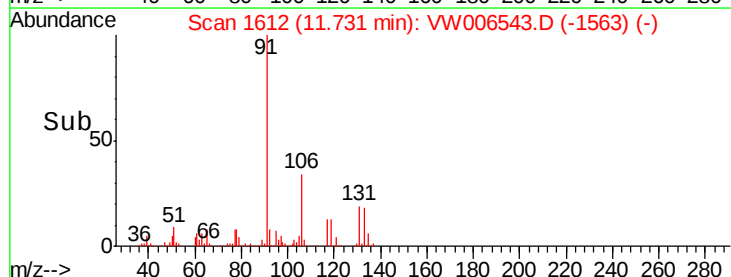
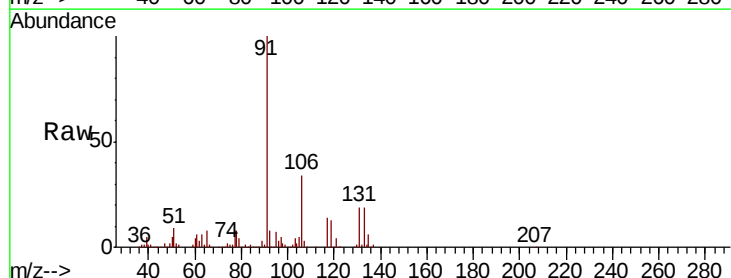
Manual Integrations
APPROVED

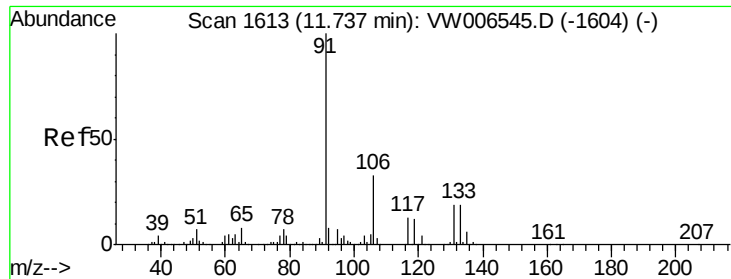
apatel
11/2/2018 3:11:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.844 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	47.5	142.5
119	64.8	31.9	95.5





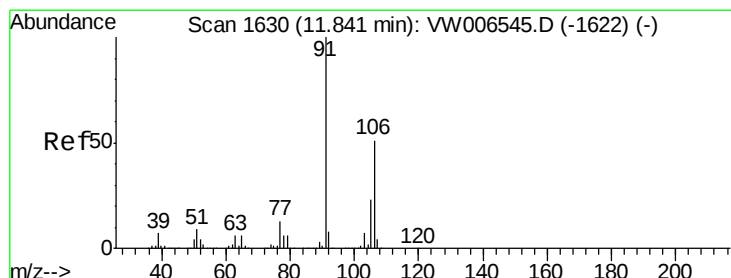
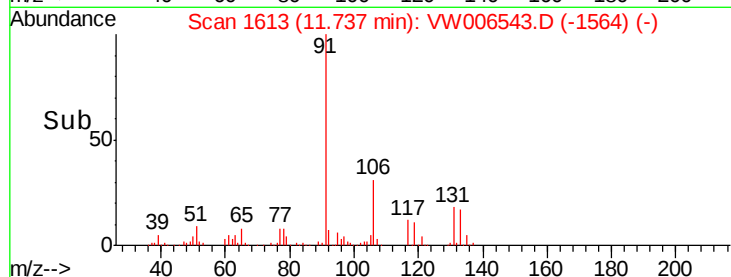
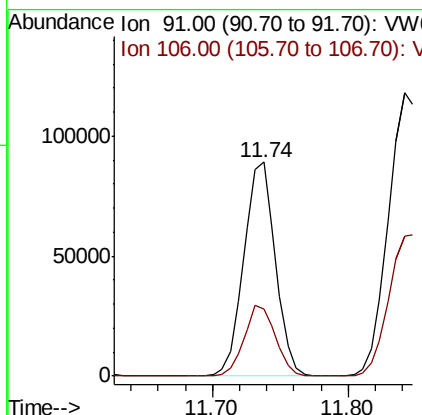
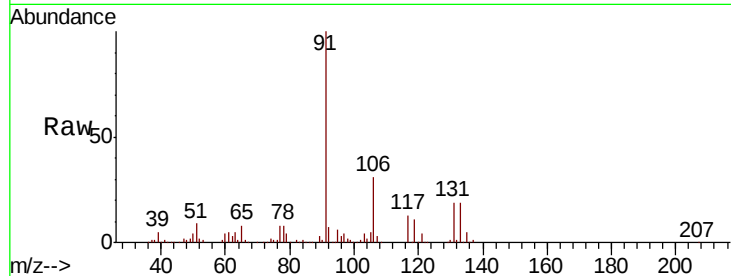
#67
Ethyl Benzene
Concen: 10.122 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 144701
Ion Ratio Lower Upper
91 100
106 31.1 26.3 39.5

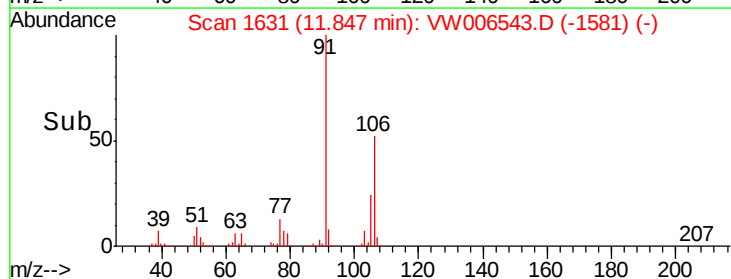
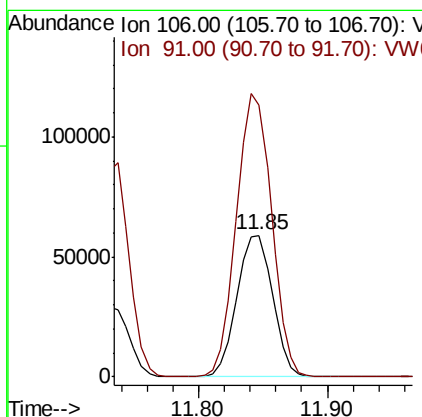
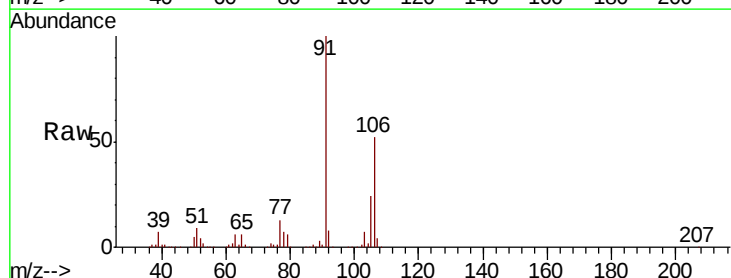
Manual Integrations
APPROVED

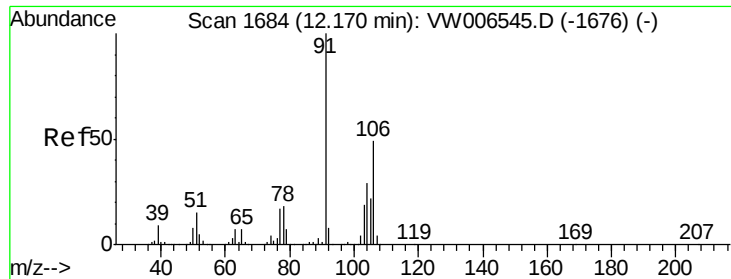
apatel
11/2/2018 3:11:24 PM



#68
m/p-Xylenes
Concen: 20.079 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion: 106 Resp: 113681
Ion Ratio Lower Upper
106 100
91 197.3 156.7 235.1





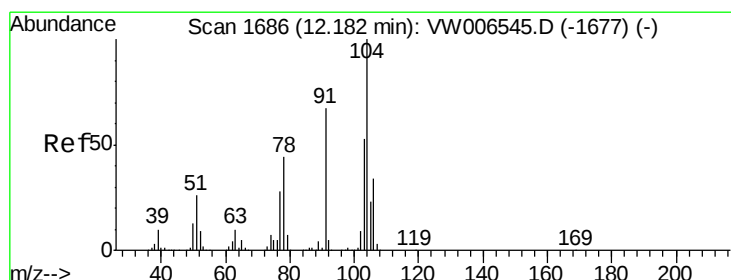
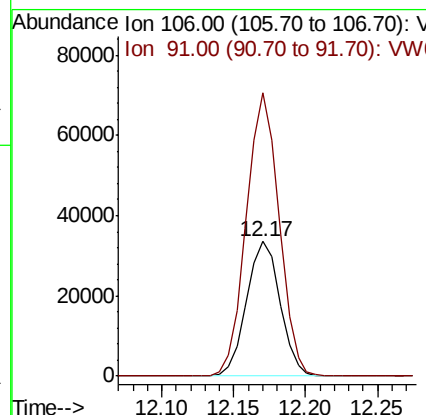
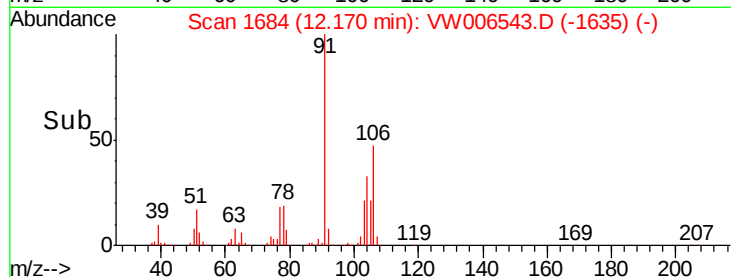
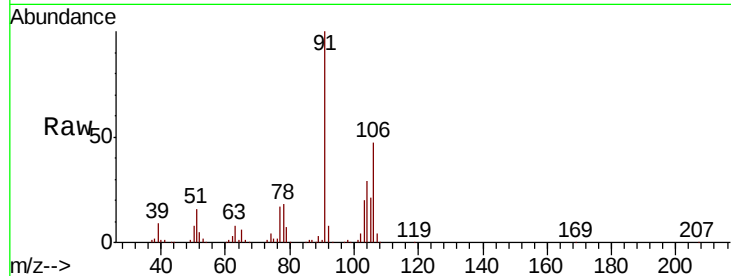
#69
o-Xylene
Concen: 10.003 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 53999
Ion Ratio Lower Upper
106 100
91 206.2 102.8 308.4

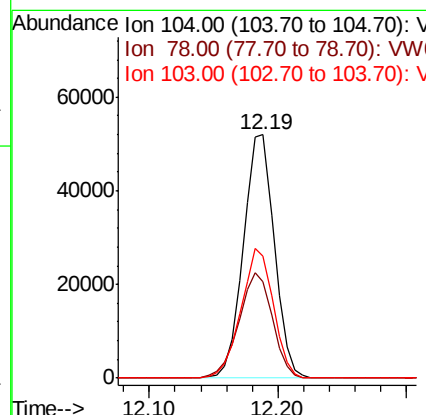
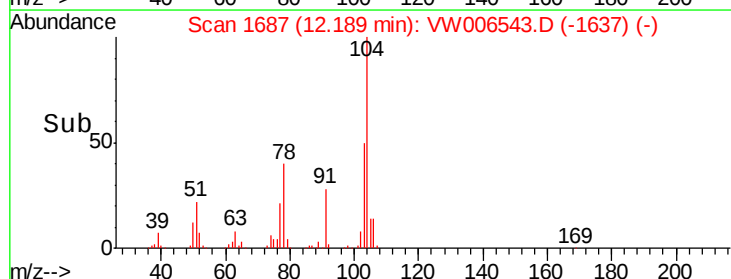
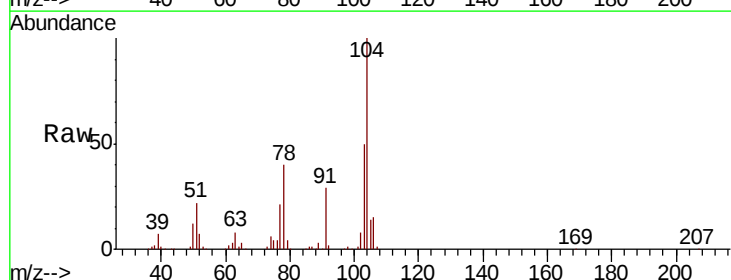
Manual Integrations
APPROVED

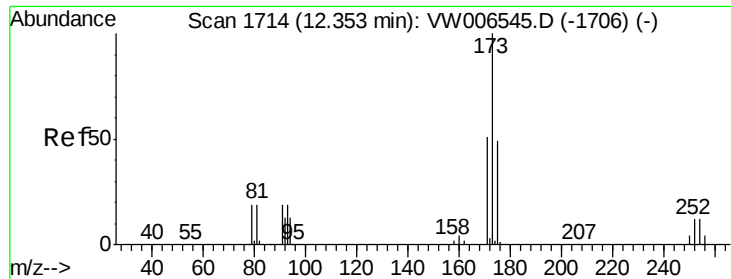
apatel
11/2/2018 3:11:24 PM



#70
Styrene
Concen: 9.791 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion:104 Resp: 86036
Ion Ratio Lower Upper
104 100
78 47.1 37.2 55.8
103 55.9 44.2 66.2





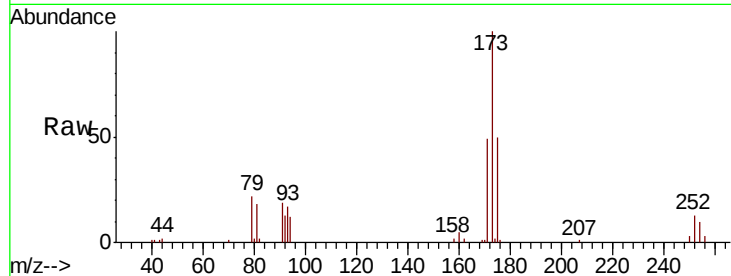
#71
Bromoform
Concen: 8.634 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

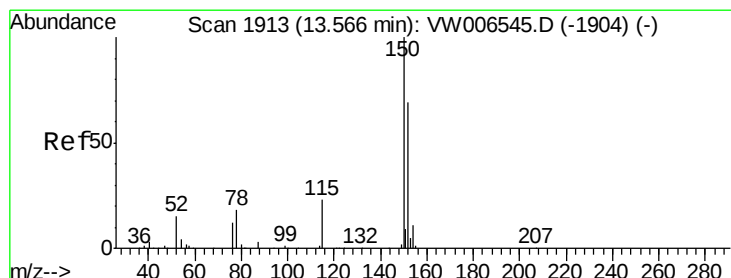
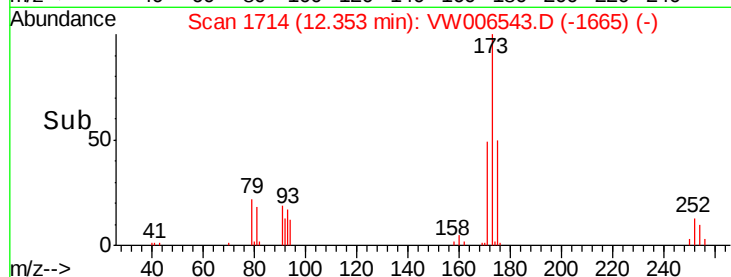
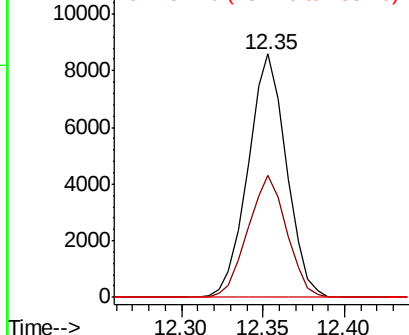
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.1	72.4
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM

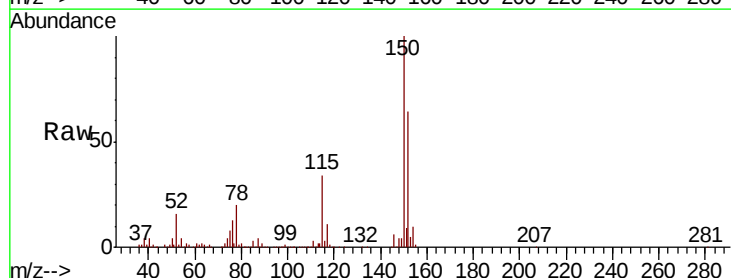


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

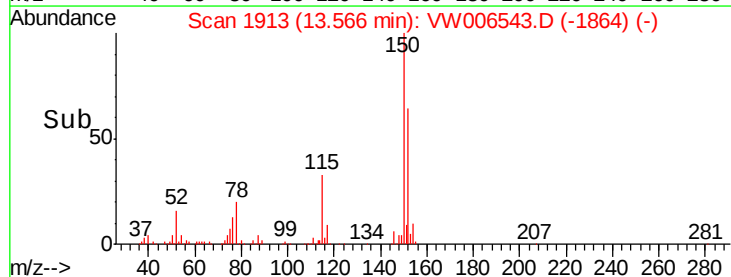
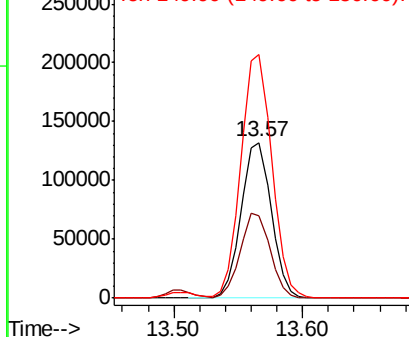


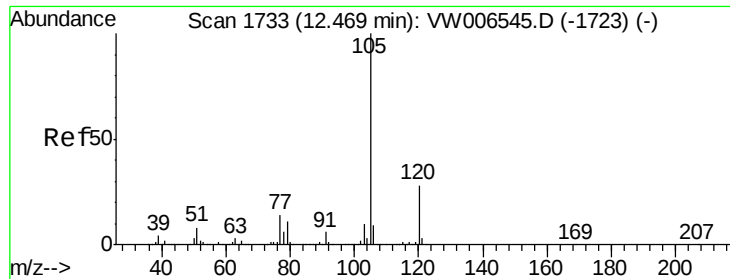
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.6	79.8
150	160.8	0.0	344.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





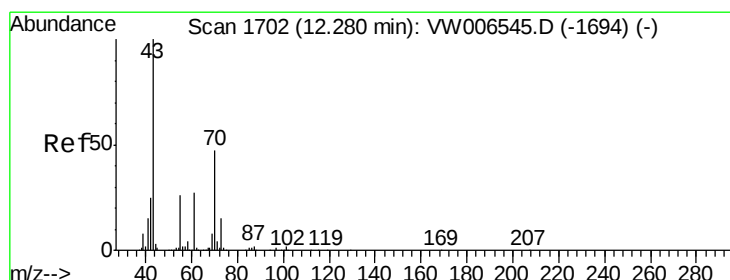
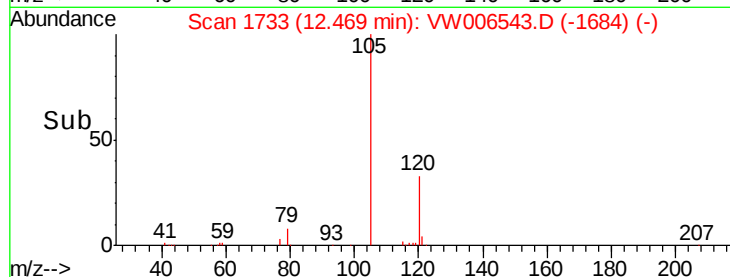
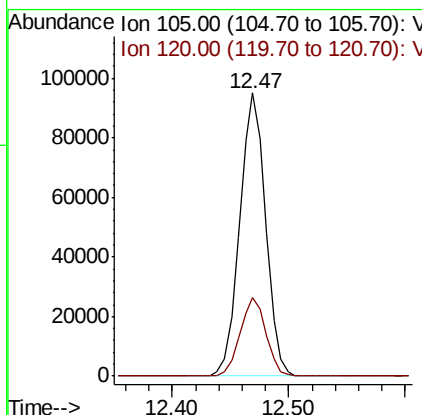
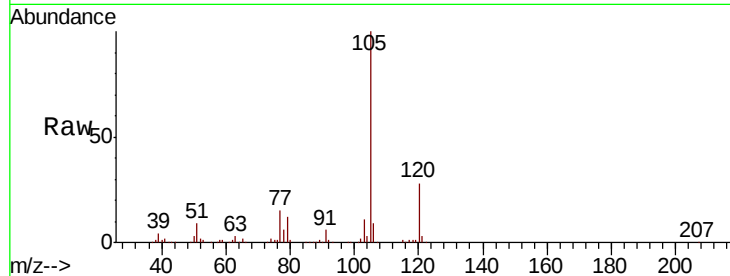
#73
Isopropylbenzene
Concen: 9.804 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.7	41.1

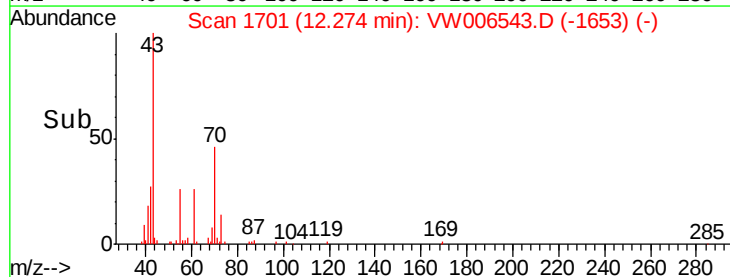
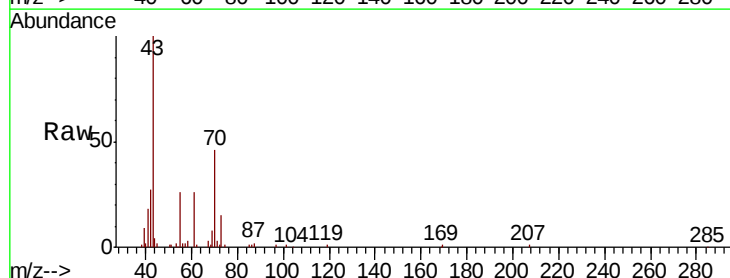
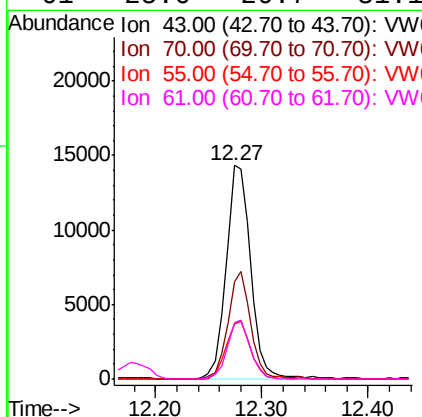
Manual Integrations
APPROVED

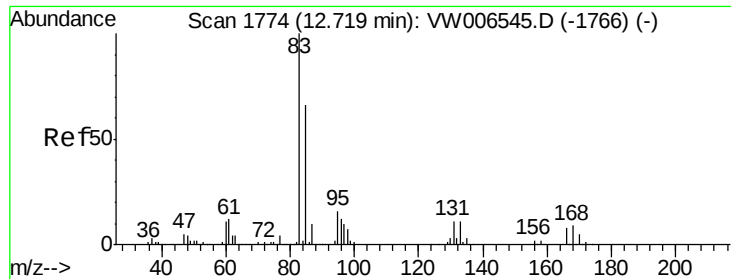
apatel
11/2/2018 3:11:24 PM



#74
N-ethyl acetate
Concen: 8.126 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.01 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.4	36.9	55.3
55	26.9	20.7	31.1
61	25.6	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 9.781 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

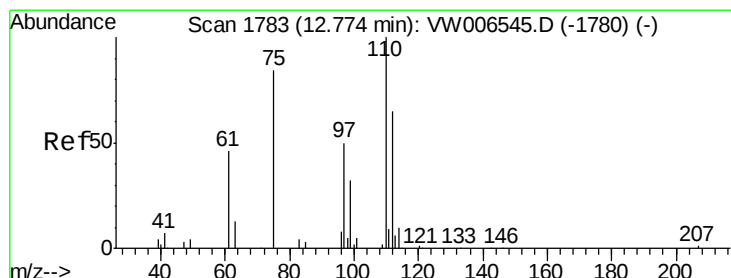
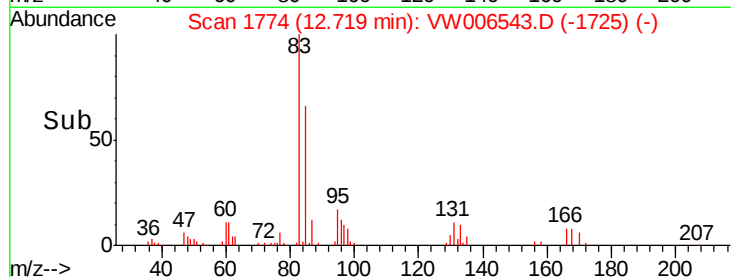
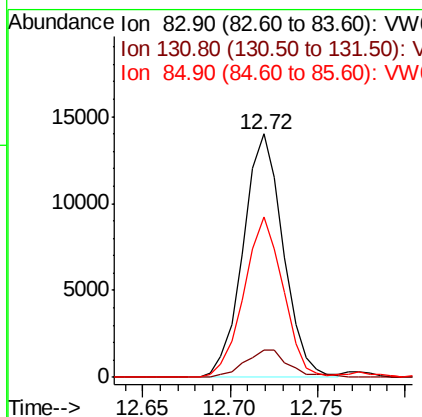
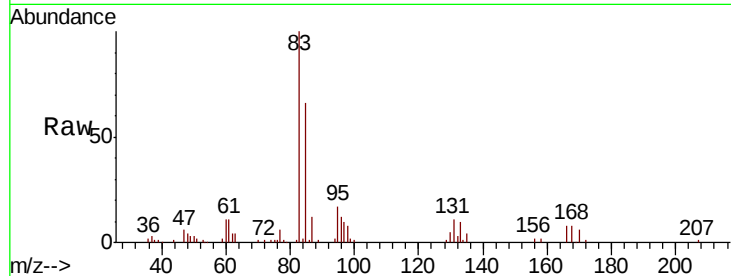
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	22333
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.9	17.7
85	64.2	32.3	96.8

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#76

1,2,3-Trichloropropane

Concen: 10.346 ug/l m

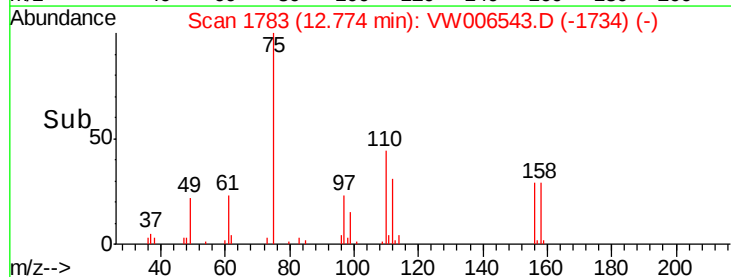
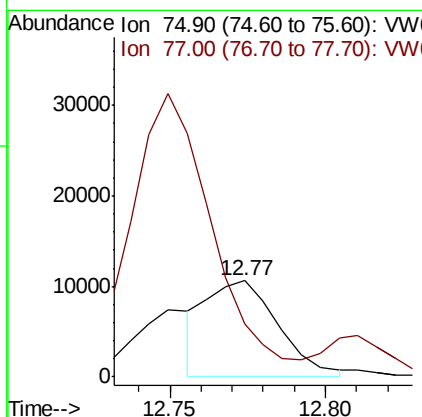
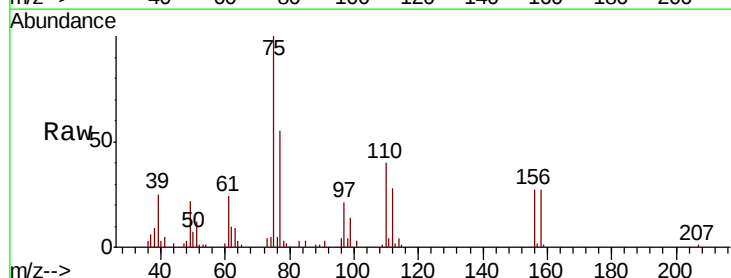
RT: 12.77 min Scan# 1783

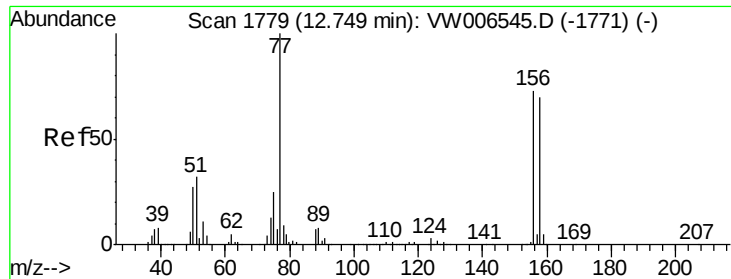
Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion:	75	Resp:	17135
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





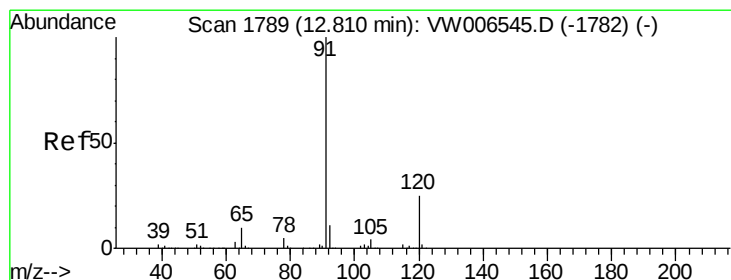
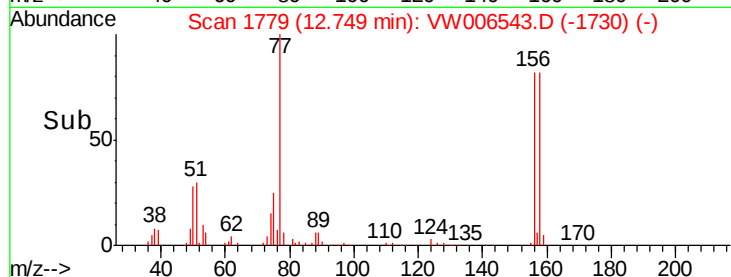
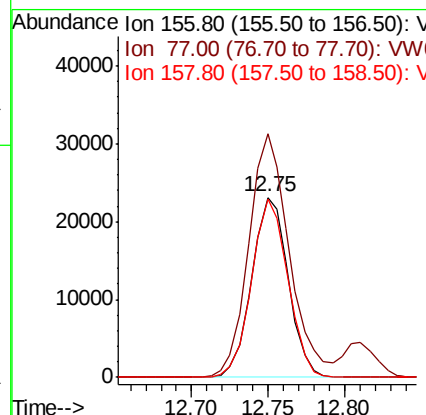
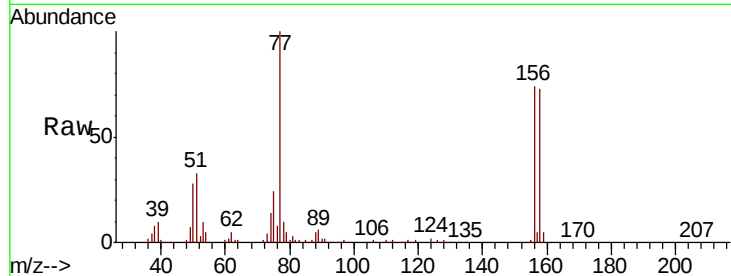
#77
Bromobenzene
Concen: 10.358 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.5	75.9	227.8	
158	98.4	48.6	145.9	

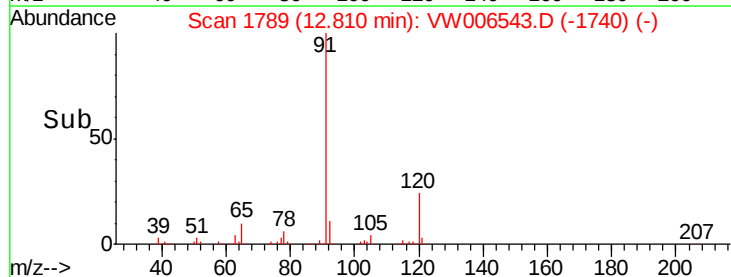
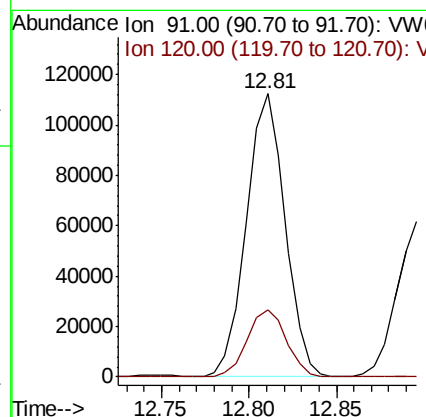
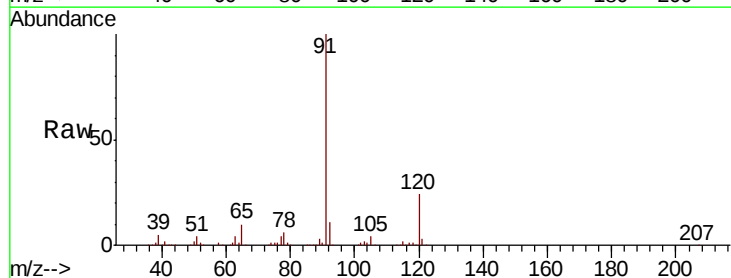
Manual Integrations
APPROVED

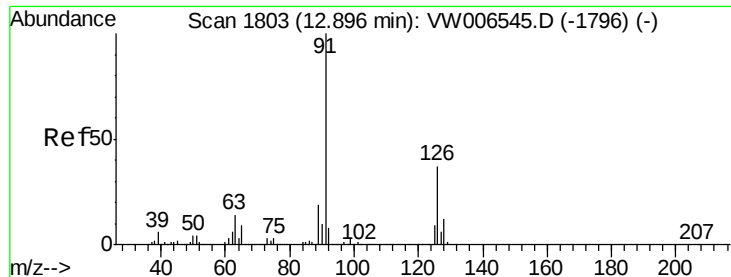
apatel
11/2/2018 3:11:24 PM



#78
n-propylbenzene
Concen: 9.909 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.1	12.4	37.0	





#79

2-Chlorotoluene

Concen: 10.076 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 98641

Ion Ratio Lower Upper

91 100

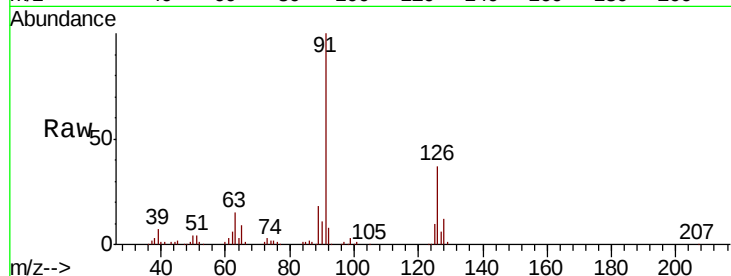
126 37.5 18.5 55.5

Manual Integrations

APPROVED

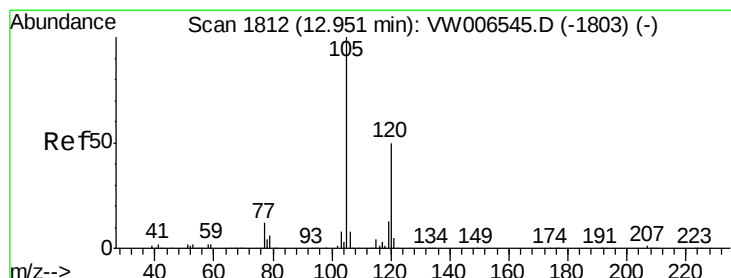
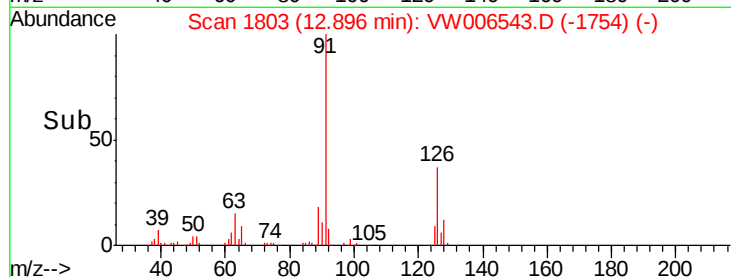
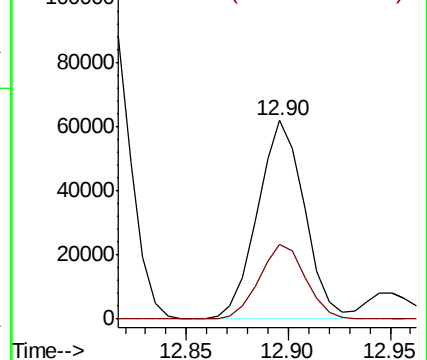
apatel

11/2/2018 3:11:24 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 9.937 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006543.D

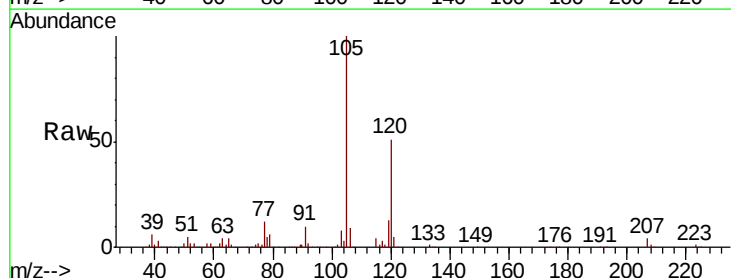
Acq: 31 Oct 2018 23:55

Tgt Ion:105 Resp: 125548

Ion Ratio Lower Upper

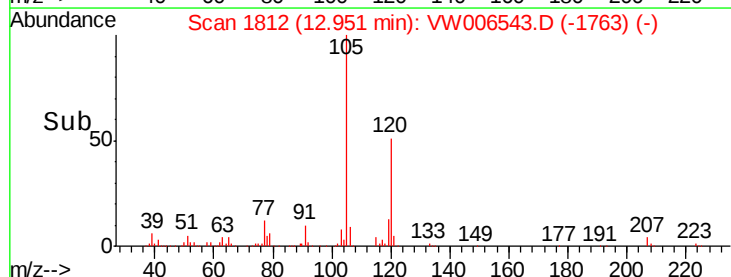
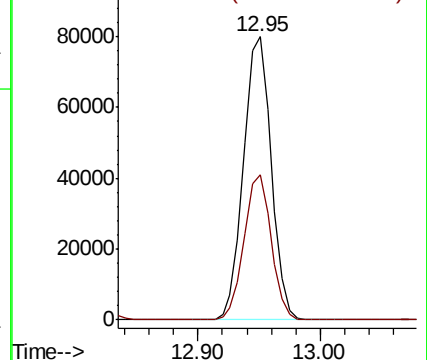
105 100

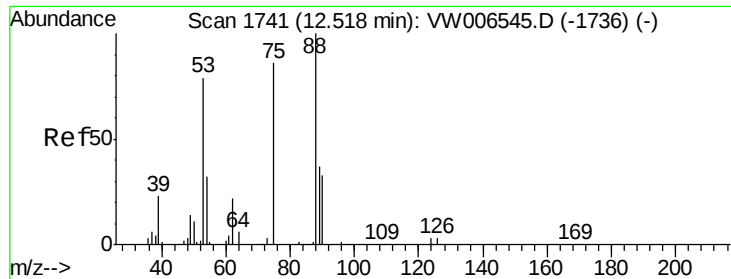
120 50.4 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





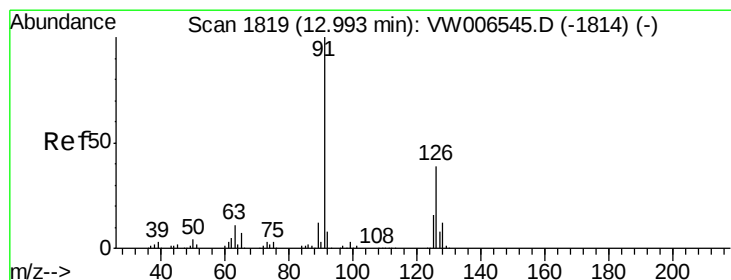
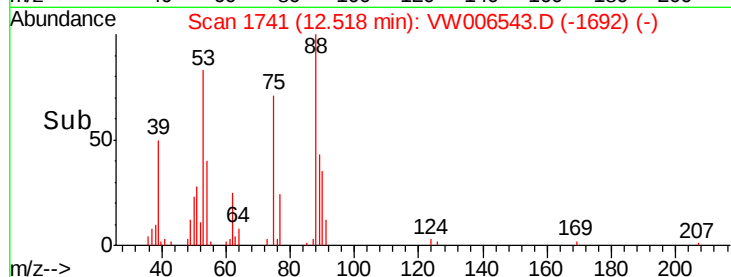
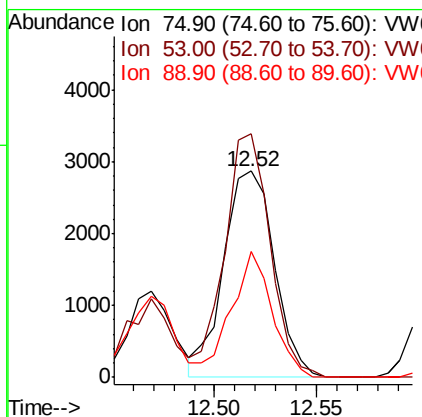
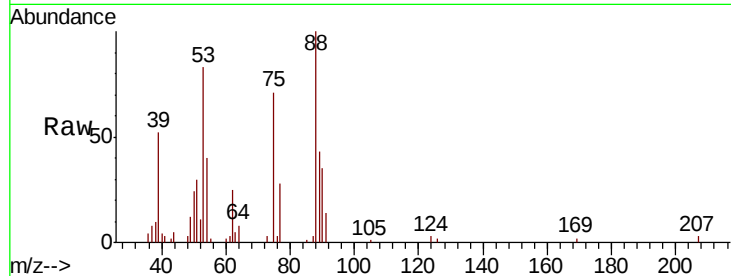
#81
trans-1,4-Dichloro-2-butene
Concen: 7.388 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.8	77.2	115.8
89	48.4	38.6	58.0

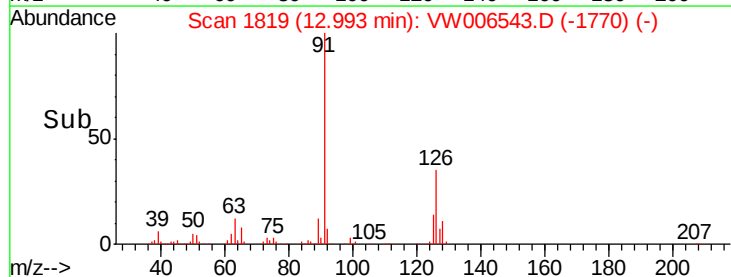
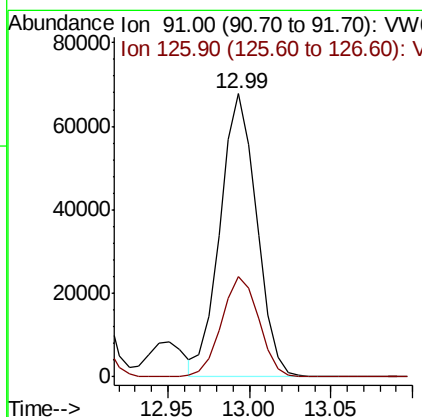
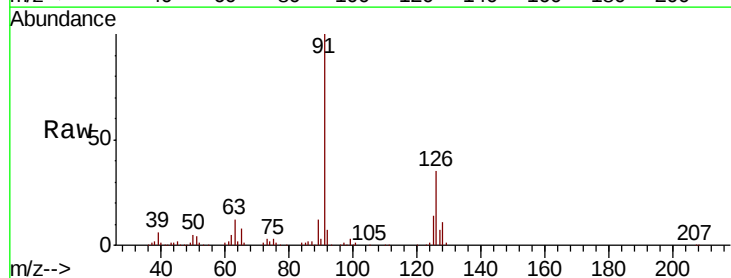
Manual Integrations
APPROVED

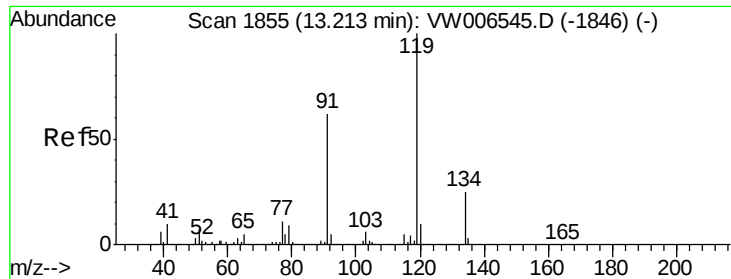
apatel
11/2/2018 3:11:24 PM



#82
4-Chlorotoluene
Concen: 10.252 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.5	55.5





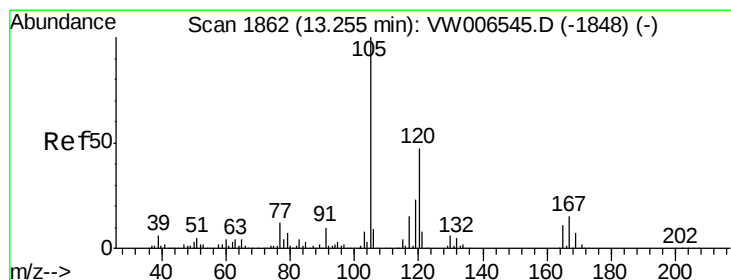
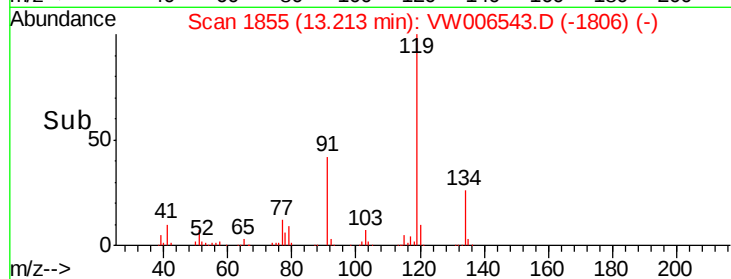
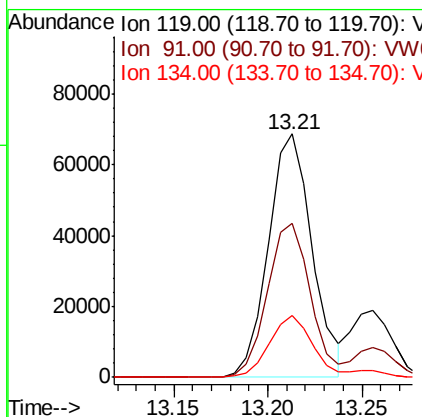
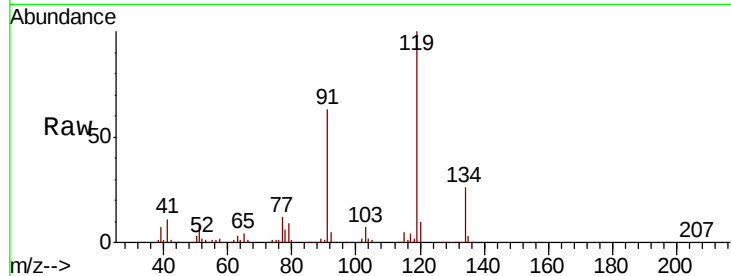
#83
tert-Butylbenzene
Concen: 9.806 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.4	91.3
134	25.2	13.5	40.4

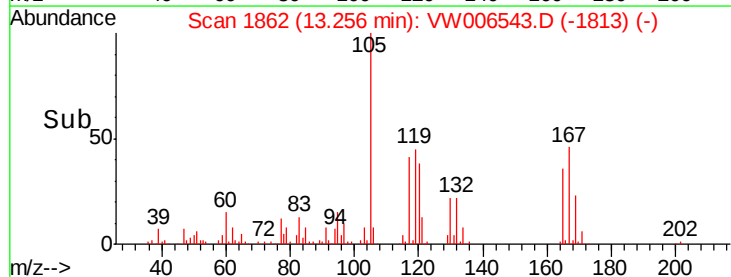
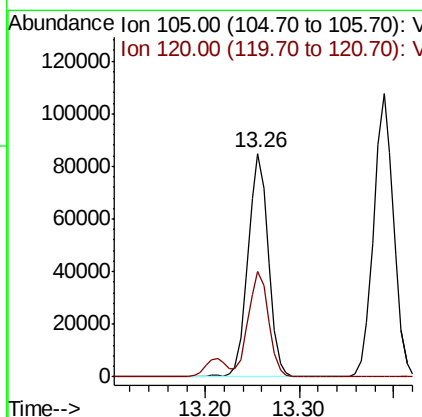
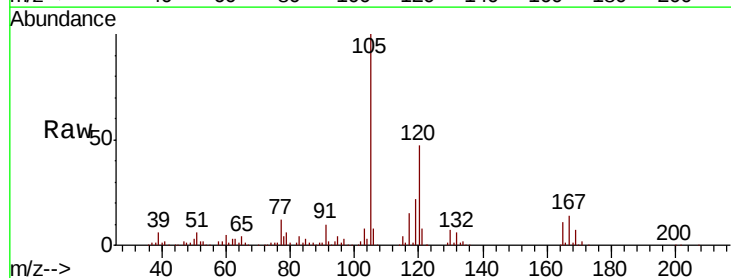
Manual Integrations
APPROVED

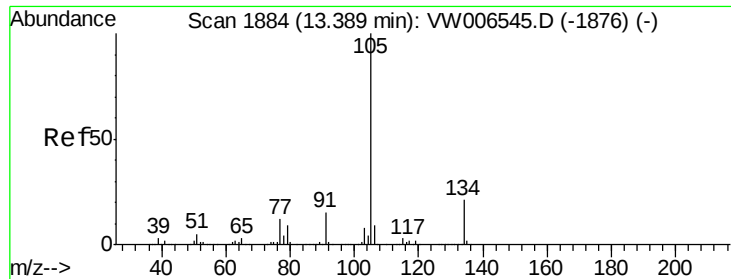
apatel
11/2/2018 3:11:24 PM



#84
1,2,4-Trimethylbenzene
Concen: 10.039 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.2	69.6





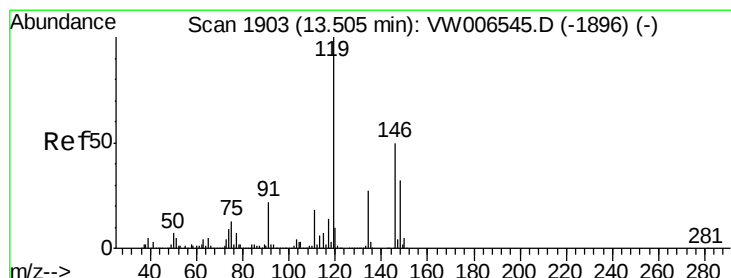
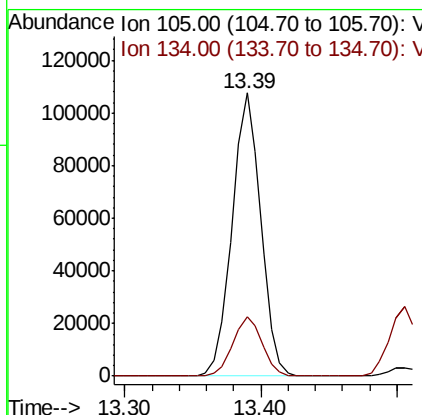
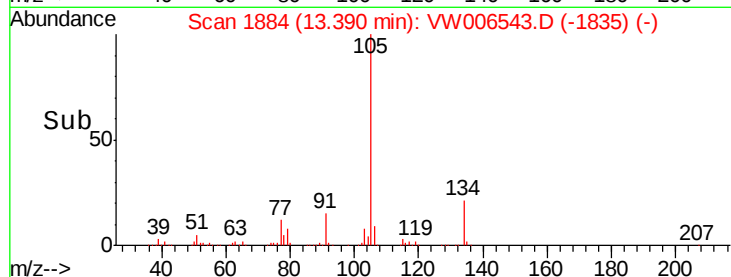
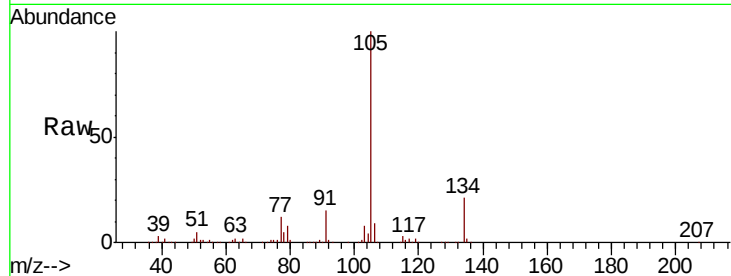
#85
 sec-Butylbenzene
 Concen: 9.906 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.6	31.8

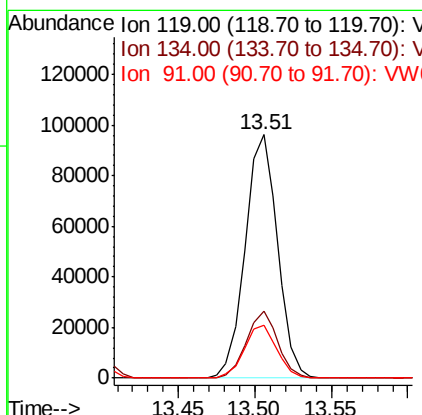
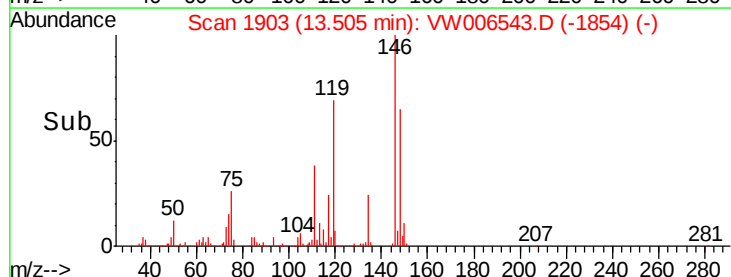
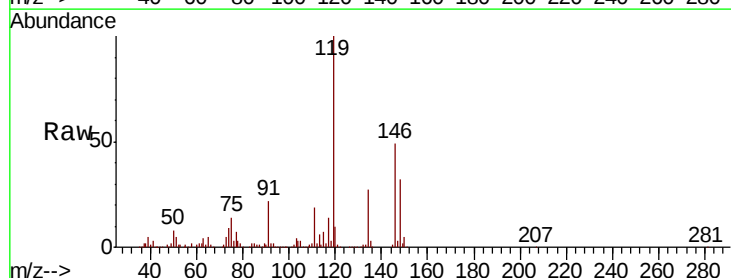
Manual Integrations
 APPROVED

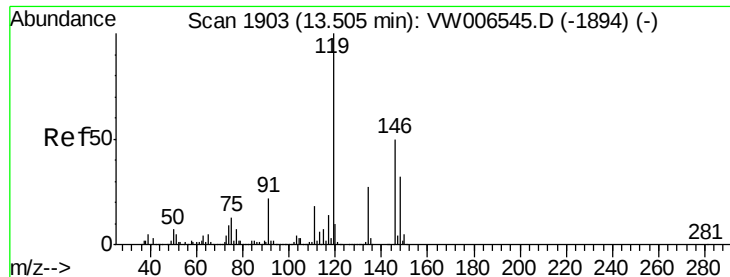
apatel
 11/2/2018 3:11:24 PM



#86
 p-Isopropyltoluene
 Concen: 9.785 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.7
91	22.0	10.9	32.6





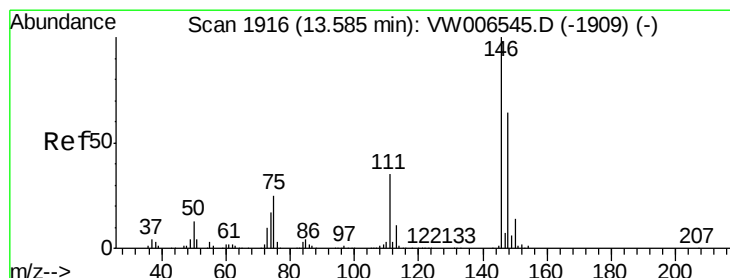
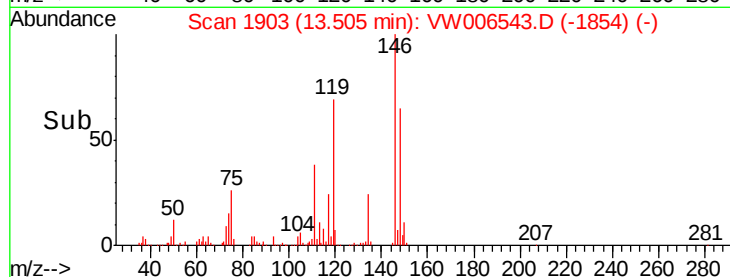
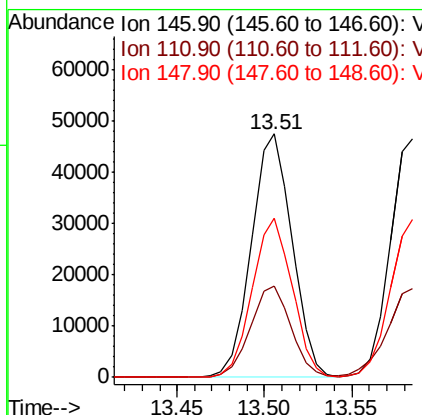
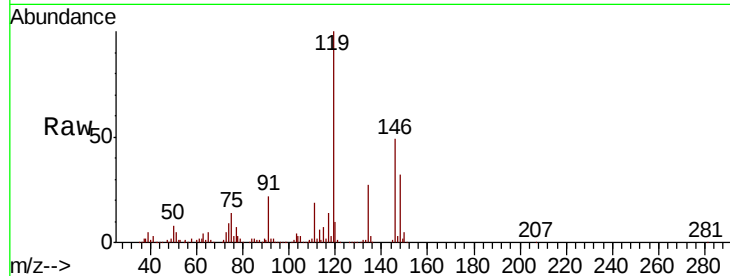
#87
 1,3-Dichlorobenzene
 Concen: 10.408 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	64.1	32.1	96.3

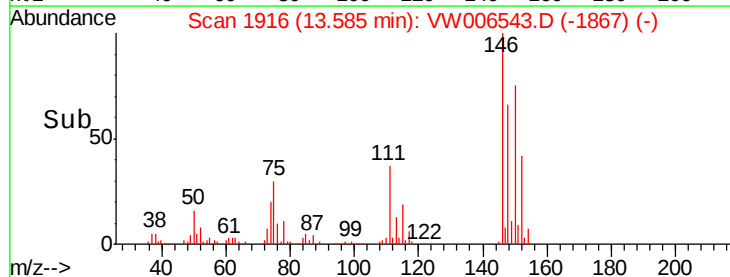
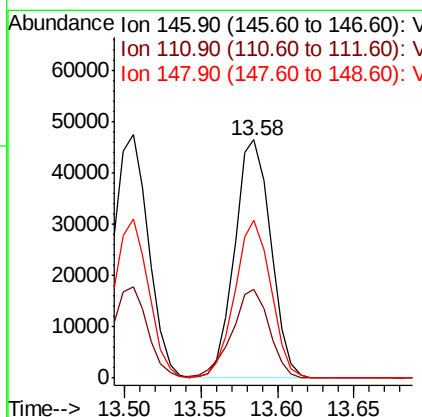
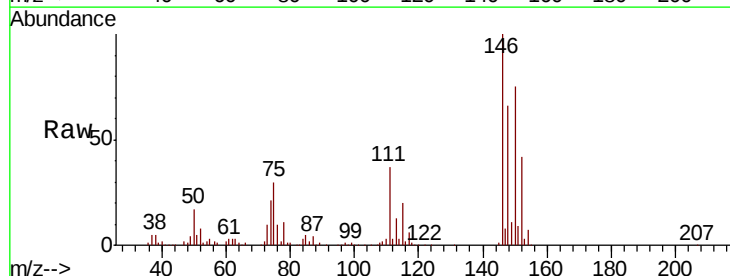
Manual Integrations
 APPROVED

apatel
 11/2/2018 3:11:24 PM



#88
 1,4-Dichlorobenzene
 Concen: 10.424 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	17.9	53.7
148	66.0	32.1	96.5





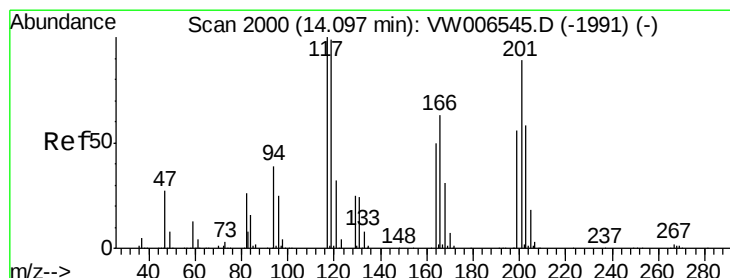
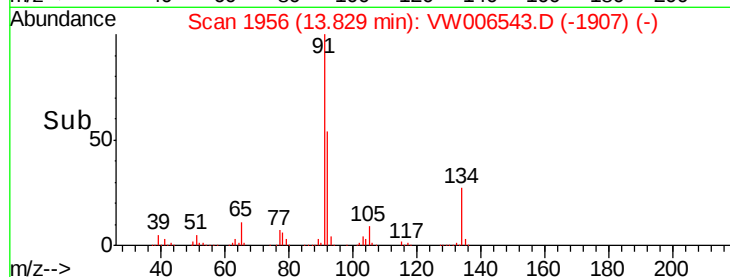
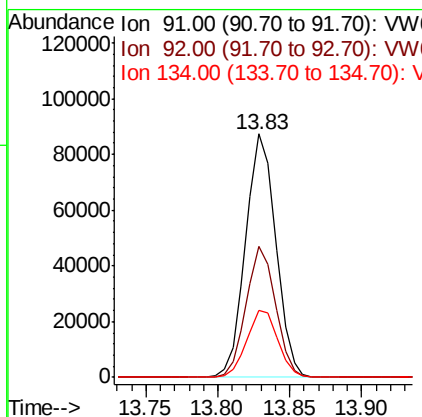
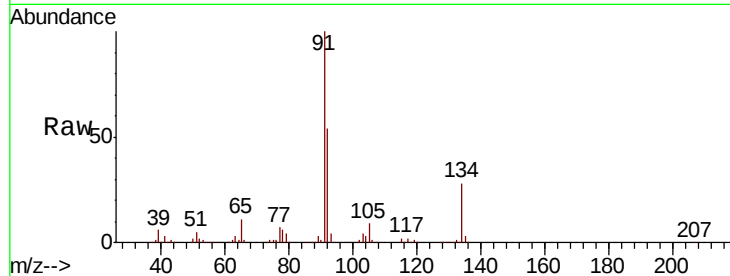
#89
n-Butylbenzene
Concen: 9.643 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	28.2	14.3	42.9

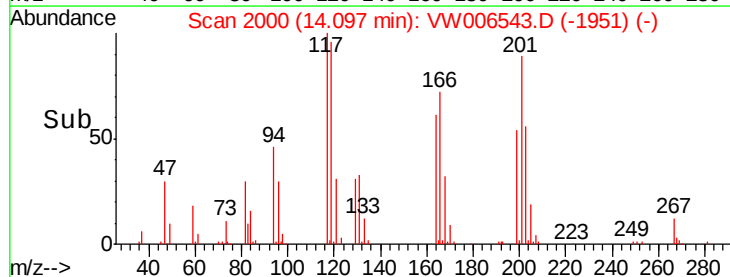
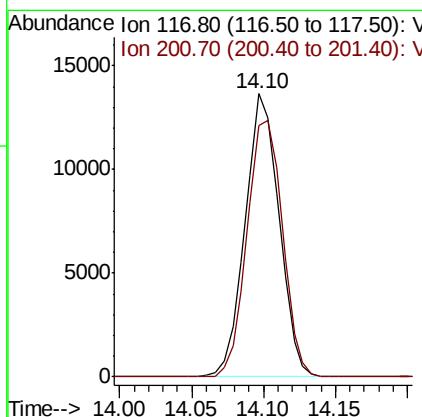
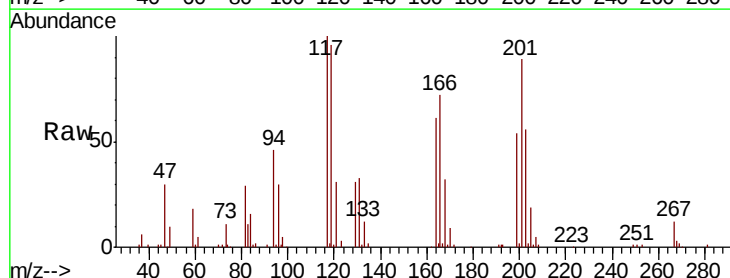
Manual Integrations
APPROVED

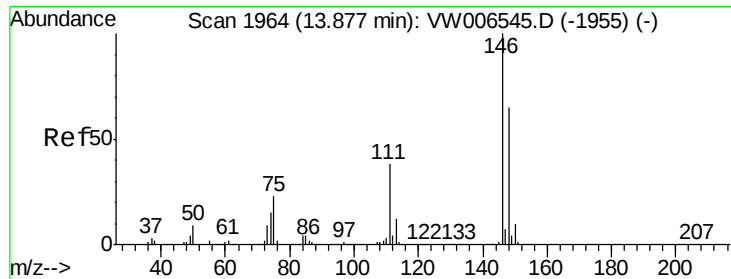
apatel
11/2/2018 3:11:24 PM



#90
Hexachloroethane
Concen: 9.157 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	46.8	140.3





#91

1,2-Dichlorobenzene

Concen: 10.460 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Instrument :

MSVOA_W

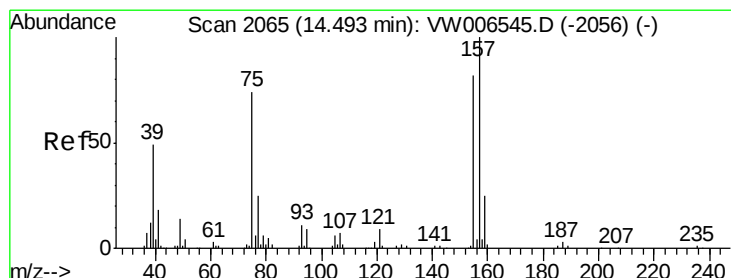
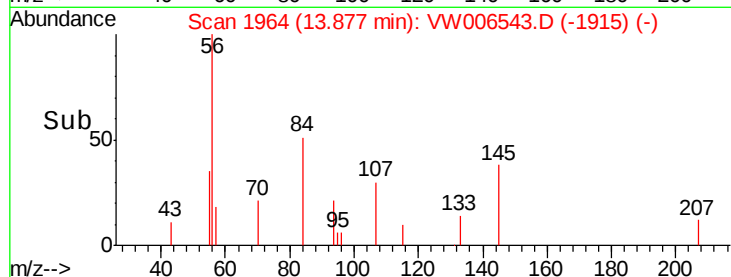
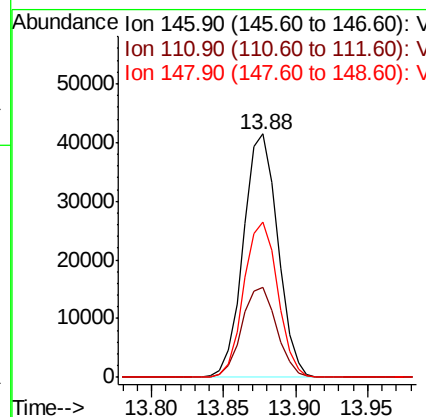
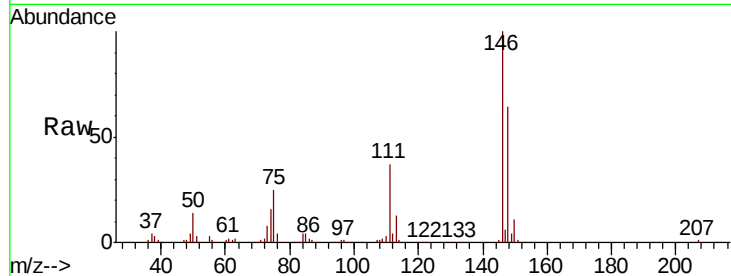
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	68694
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.1	57.5
148	62.8	32.0	96.0

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 9.043 ug/l

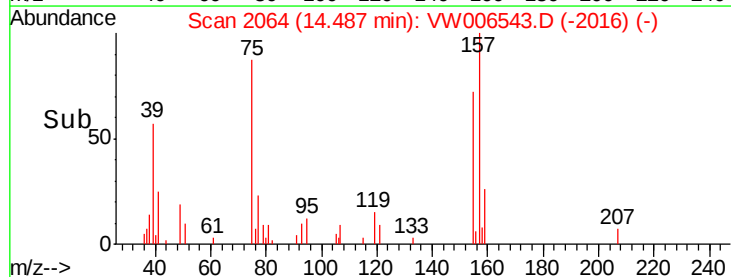
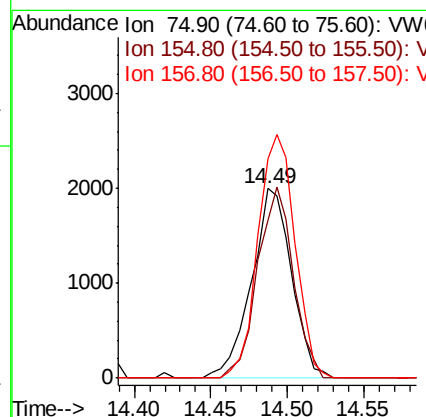
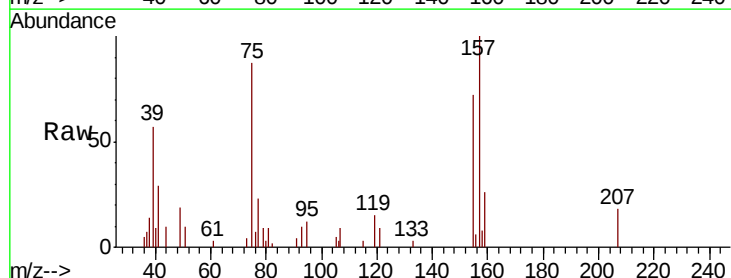
RT: 14.49 min Scan# 2064

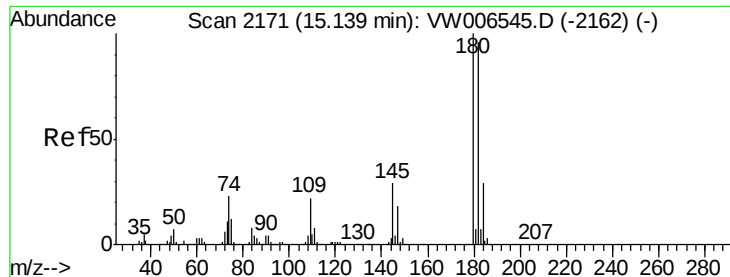
Delta R.T. -0.01 min

Lab File: VW006543.D

Acq: 31 Oct 2018 23:55

Tgt Ion:	75	Resp:	3642
Ion Ratio	Lower	Upper	
75	100		
155	90.0	50.6	151.8
157	118.6	65.0	195.0





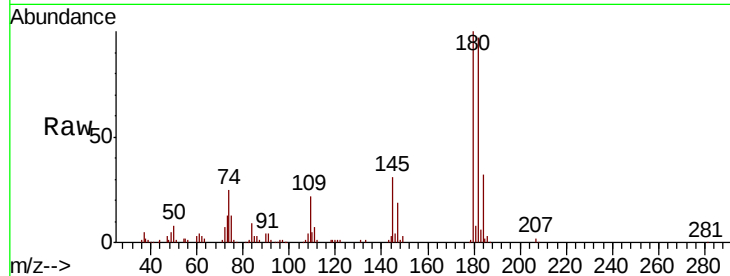
#93
 1,2,4-Trichlorobenzene
 Concen: 9.908 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	50105		
182	94.6	47.5	142.6	
145	29.4	14.0	42.0	

Manual Integrations
 APPROVED

apatel
 11/2/2018 3:11:24 PM

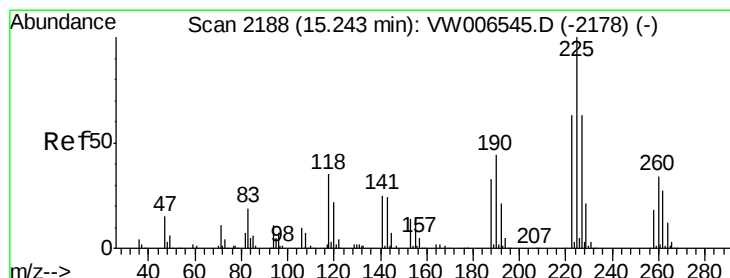
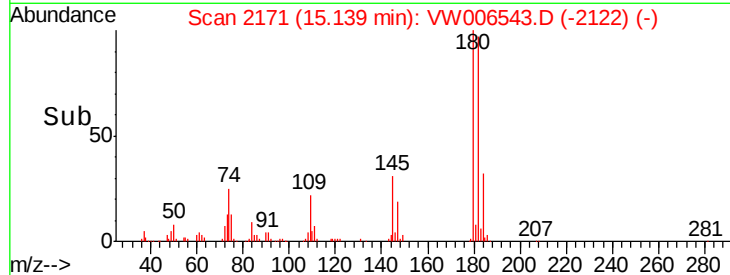
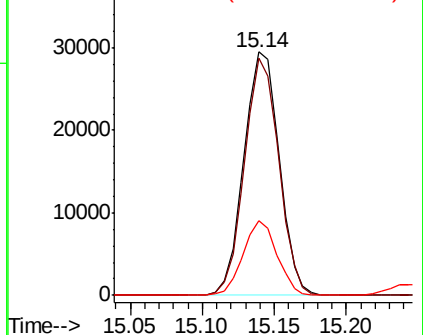


Abundance

Ion 179.80 (179.50 to 180.50): V

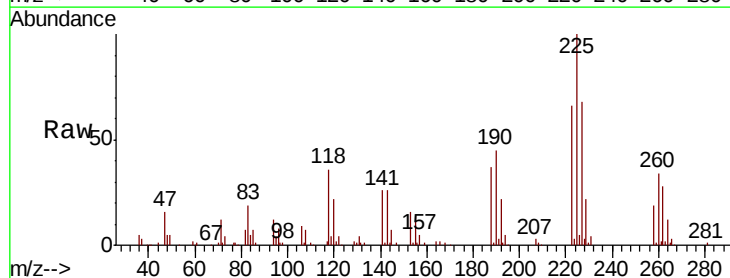
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 10.122 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006543.D
 Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31950		
223	63.6	31.4	94.2	
227	66.6	32.2	96.6	

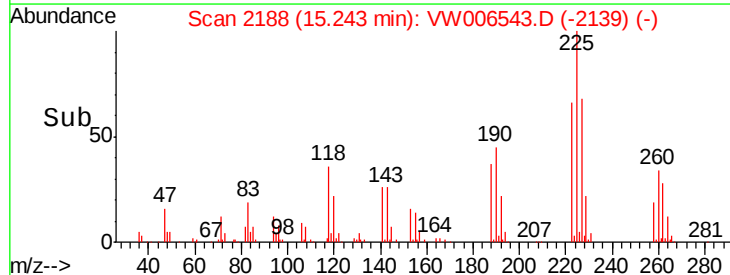
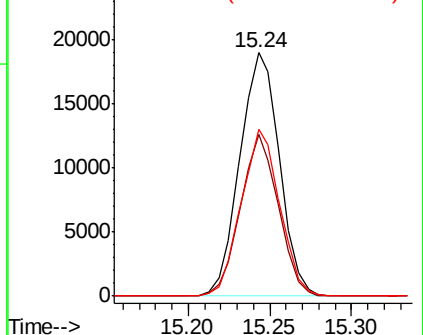


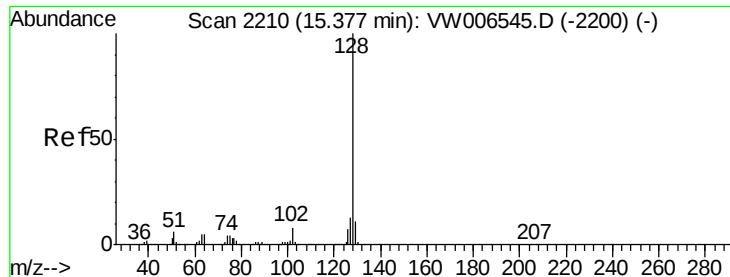
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





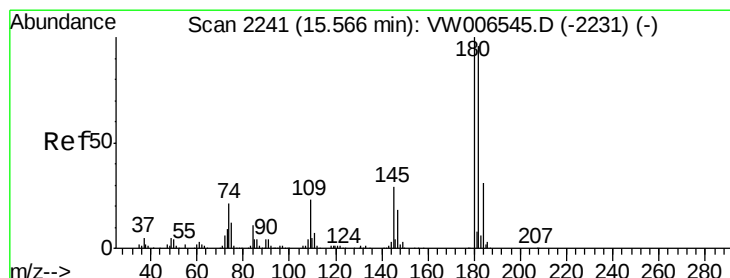
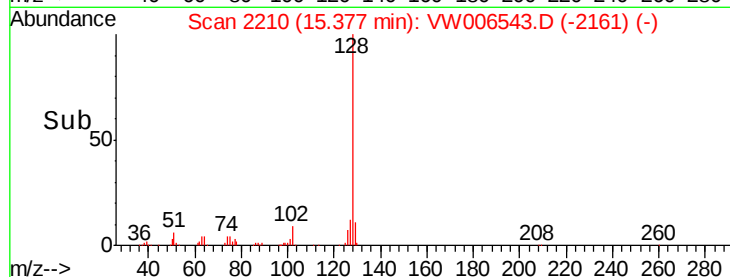
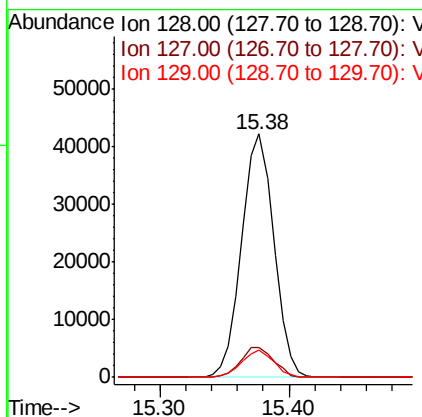
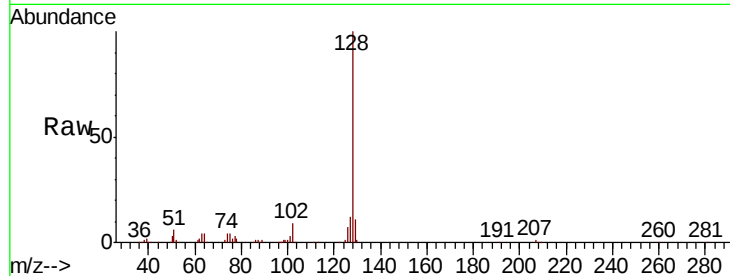
#95
Naphthalene
Concen: 8.736 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

apatel
11/2/2018 3:11:24 PM



#96
1,2,3-Trichlorobenzene
Concen: 9.816 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006543.D
Acq: 31 Oct 2018 23:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	48.2	144.6
145	30.3	14.9	44.5

