

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006930.D
 Acq On : 16 Nov 2018 23:19
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Quant Time: Nov 17 04:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
1) Pentafluorobenzene	7.95	168	111948	50.00	ug/l	0.00	
34) 1,4-Difluorobenzene	8.85	114	183004	50.00	ug/l	0.00	
63) Chlorobenzene-d5	11.63	117	175869	50.00	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	13.57	152	88039	50.00	ug/l	0.00	11/19/2018 3:29:19 PM

System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.31	65	12302	13.64	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	27.28%		
35) Dibromofluoromethane	7.88	113	9953	9.02	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	18.04%		
50) Toluene-d8	10.33	98	45722	9.94	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	19.88%		
62) 4-Bromofluorobenzene	12.62	95	18101	10.58	ug/l	0.00	
Spiked Amount	50.000		Recovery	=	21.16%		

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	12485	13.13	ug/l	96
3) Chloromethane	2.21	50	10686	10.35	ug/l	98
4) Vinyl Chloride	2.36	62	9766	9.00	ug/l	100
5) Bromomethane	2.78	94	5637	7.96	ug/l	94
6) Chloroethane	2.92	64	5481	7.90	ug/l	96
7) Trichlorofluoromethane	3.27	101	18135	11.87	ug/l	99
8) Diethyl Ether	3.69	74	6262	13.39	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	11749	11.42	ug/l	97
10) Methyl Iodide	4.28	142	10474	7.50	ug/l	99
11) Tert butyl alcohol	5.21	59	4794m	81.21	ug/l	
12) 1,1-Dichloroethene	4.05	96	10212	11.63	ug/l	94
13) Acrolein	3.91	56	4403	71.40	ug/l	98
14) Allyl chloride	4.68	41	17364	14.11	ug/l	97
15) Acrylonitrile	5.38	53	12076	67.68	ug/l	98
16) Acetone	4.14	43	9589	73.67	ug/l	92
17) Carbon Disulfide	4.39	76	31511	11.35	ug/l	98
18) Methyl Acetate	4.69	43	6306	14.11	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	29522	13.57	ug/l	96
20) Methylene Chloride	4.92	84	16729	12.32	ug/l	# 89
21) trans-1,2-Dichloroethene	5.43	96	12305	11.87	ug/l	99
22) Diisopropyl ether	6.32	45	36393	14.36	ug/l	97
23) Vinyl Acetate	6.26	43	102552	71.84	ug/l	98
24) 1,1-Dichloroethane	6.22	63	20625	12.63	ug/l	99
25) 2-Butanone	7.18	43	15439	70.63	ug/l	97
26) 2,2-Dichloropropane	7.17	77	19353	12.14	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	13520	12.14	ug/l	97
28) Bromochloromethane	7.52	49	8006	13.92	ug/l	98
29) Tetrahydrofuran	7.54	42	10331	73.82	ug/l	97
30) Chloroform	7.68	83	23591	13.33	ug/l	97
31) Cyclohexane	7.96	56	23109	13.98	ug/l	# 91
32) 1,1,1-Trichloroethane	7.88	97	20468	12.18	ug/l	99
36) 1,1-Dichloropropene	8.09	75	18114	10.56	ug/l	98
37) Ethyl Acetate	7.27	43	7649	13.06	ug/l	97
38) Carbon Tetrachloride	8.07	117	17786	9.71	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
 Data File : VW006930.D
 Acq On : 16 Nov 2018 23:19
 Operator : SY/AP
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Quant Time: Nov 17 04:24:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 01:21:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	apatel
39) Methylcyclohexane	9.34	83	22562	10.26	ug/l	97	
40) Benzene	8.33	78	49584	10.35	ug/l	99	
41) Methacrylonitrile	7.49	41	4647	12.86	ug/l	98	
42) 1,2-Dichloroethane	8.41	62	15499	11.89	ug/l	97	11/19/2018 3:29:19 PM
43) Isopropyl Acetate	8.43	43	13891	12.18	ug/l	99	
44) Trichloroethene	9.10	130	13180	8.93	ug/l	96	
45) 1,2-Dichloropropane	9.37	63	12499	11.07	ug/l	100	
46) Dibromomethane	9.46	93	6416	10.36	ug/l	98	
47) Bromodichloromethane	9.65	83	16906	10.92	ug/l #	96	
48) Methyl methacrylate	9.45	41	6900	12.43	ug/l	95	
49) 1,4-Dioxane	9.49	88	2117	225.29	ug/l #	94	
51) 4-Methyl-2-Pentanone	10.21	43	35450	62.20	ug/l	99	
52) Toluene	10.39	92	34845	10.37	ug/l	97	
53) t-1,3-Dichloropropene	10.61	75	15304	10.04	ug/l	100	
54) cis-1,3-Dichloropropene	10.07	75	19114	10.56	ug/l	97	
55) 1,1,2-Trichloroethane	10.79	97	9331	10.15	ug/l	95	
56) Ethyl methacrylate	10.65	69	11061	10.77	ug/l	98	
57) 1,3-Dichloropropane	10.93	76	16041	10.90	ug/l	99	
58) 2-Chloroethyl Vinyl ether	9.93	63	29446	58.23	ug/l	99	
59) 2-Hexanone	10.98	43	23312	59.63	ug/l	99	
60) Dibromochloromethane	11.13	129	10209	9.18	ug/l	100	
61) 1,2-Dibromoethane	11.24	107	8980	10.33	ug/l	97	
64) Tetrachloroethene	10.87	164	11127	8.18	ug/l	98	
65) Chlorobenzene	11.66	112	37370	9.65	ug/l	94	
66) 1,1,1,2-Tetrachloroethane	11.73	131	11508	9.18	ug/l	99	
67) Ethyl Benzene	11.74	91	67881	10.21	ug/l	96	
68) m/p-Xylenes	11.84	106	54021	20.04	ug/l	98	
69) o-Xylene	12.17	106	25109	9.99	ug/l	99	
70) Styrene	12.18	104	40217	9.97	ug/l	99	
71) Bromoform	12.35	173	5216	7.81	ug/l #	97	
73) Isopropylbenzene	12.47	105	67288	10.79	ug/l	100	
74) N-amyl acetate	12.28	43	13193	13.19	ug/l	99	
75) 1,1,2,2-Tetrachloroethane	12.72	83	9597	11.02	ug/l	99	
76) 1,2,3-Trichloropropane	12.77	75	6539m	9.84	ug/l		
77) Bromobenzene	12.76	156	14278	9.30	ug/l	96	
78) n-propylbenzene	12.81	91	82810	11.21	ug/l	100	
79) 2-Chlorotoluene	12.90	91	48003	11.50	ug/l	100	
80) 1,3,5-Trimethylbenzene	12.95	105	58809	10.97	ug/l	99	
81) trans-1,4-Dichloro-2-buten	12.52	75	2704	10.18	ug/l	96	
82) 4-Chlorotoluene	12.99	91	51649	11.61	ug/l	100	
83) tert-Butylbenzene	13.21	119	50864	10.82	ug/l	99	
84) 1,2,4-Trimethylbenzene	13.26	105	58816	10.80	ug/l	98	
85) sec-Butylbenzene	13.39	105	72993	10.94	ug/l	100	
86) p-Isopropyltoluene	13.51	119	63351	10.51	ug/l	99	
87) 1,3-Dichlorobenzene	13.51	146	30423	9.76	ug/l	99	
88) 1,4-Dichlorobenzene	13.58	146	29887	9.68	ug/l	96	
89) n-Butylbenzene	13.83	91	58246	10.49	ug/l	99	
90) Hexachloroethane	14.10	117	9687	9.99	ug/l	97	
91) 1,2-Dichlorobenzene	13.88	146	27375	10.05	ug/l	97	
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1668	11.65	ug/l	96	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW111718\
Data File : VW006930.D
Acq On : 16 Nov 2018 23:19
Operator : SY/AP
Sample : VSTDICC010
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 27 Sample Multiplier: 1

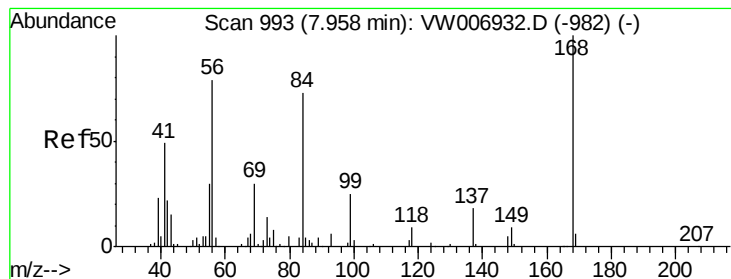
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Quant Time: Nov 17 04:24:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
Quant Title : SW846 8260
QLast Update : Sat Nov 17 01:21:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
93) 1,2,4-Trichlorobenzene	15.15	180	16356	8.16	ug/l	99	
94) Hexachlorobutadiene	15.24	225	9201	7.44	ug/l	99	
95) Naphthalene	15.38	128	30912	9.90	ug/l	98	
96) 1,2,3-Trichlorobenzene	15.57	180	14073	8.18	ug/l	100	11/19/2018 3:29:19 PM

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion:168 Resp: 111948

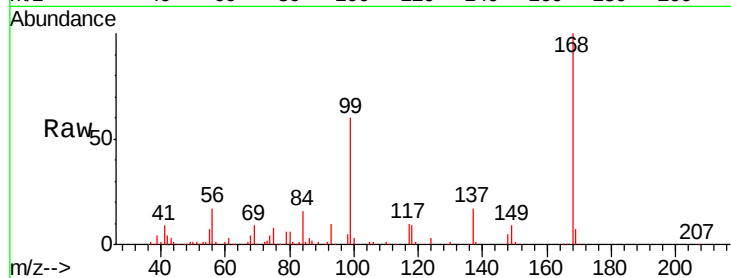
Ion Ratio Lower Upper

168 100

99 60.1 49.3 73.9

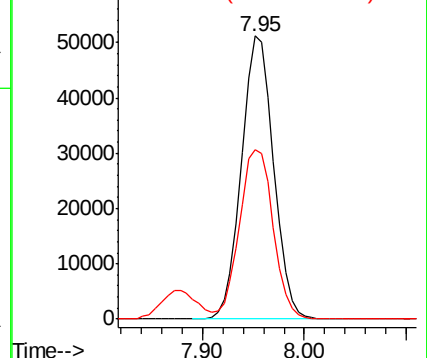
Manual Integrations

APPROVED



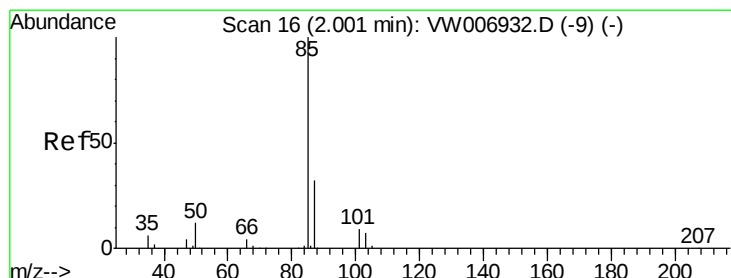
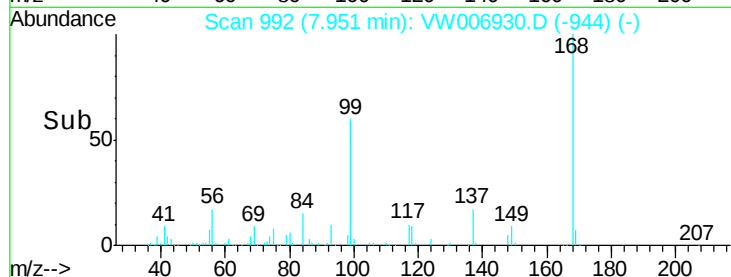
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



apatel

11/19/2018 3:29:19 PM



#2

Dichlorodifluoromethane

Concen: 13.13 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW006930.D

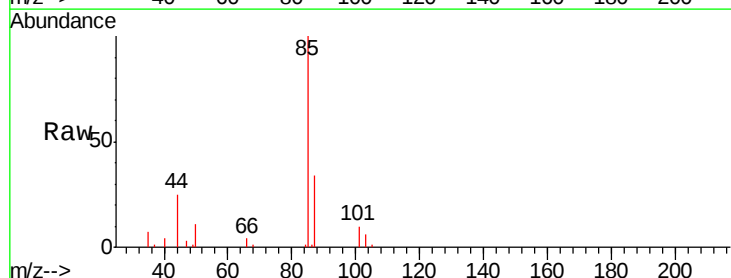
Acq: 16 Nov 2018 23:19

Tgt Ion: 85 Resp: 12485

Ion Ratio Lower Upper

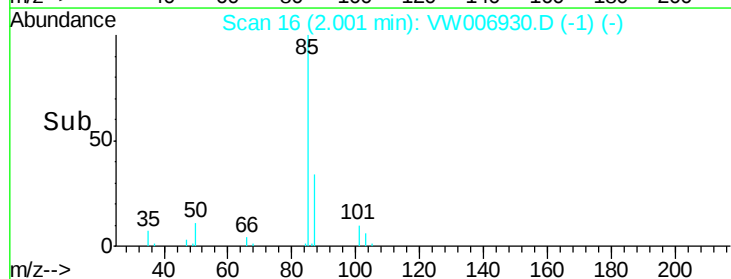
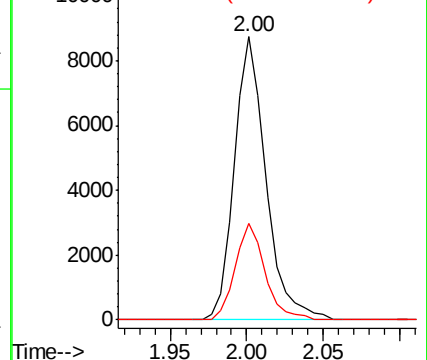
85 100

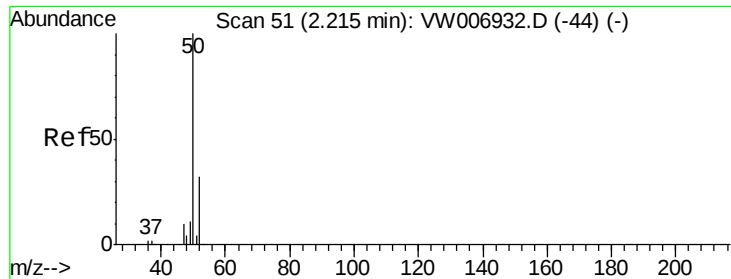
87 34.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 10.35 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

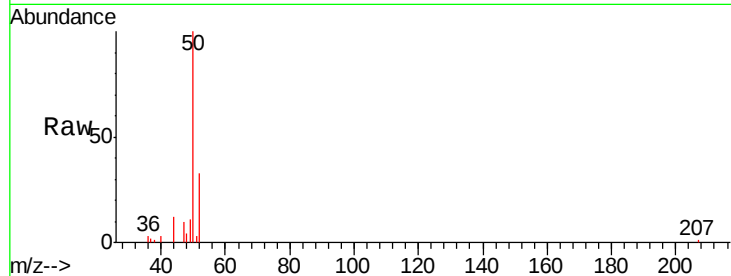
Tgt Ion: 50 Resp: 10686

Ion Ratio Lower Upper

50 100

52 32.8 25.4 38.2

Manual Integrations
APPROVED



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW

2.21

8000

6000

4000

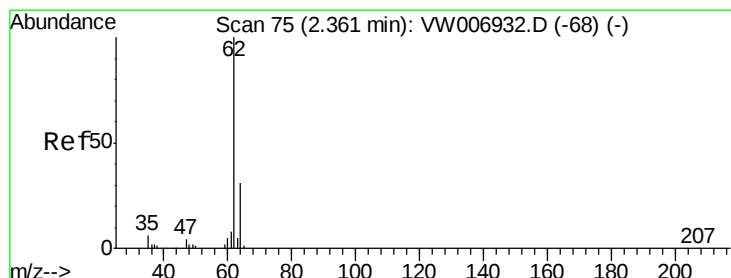
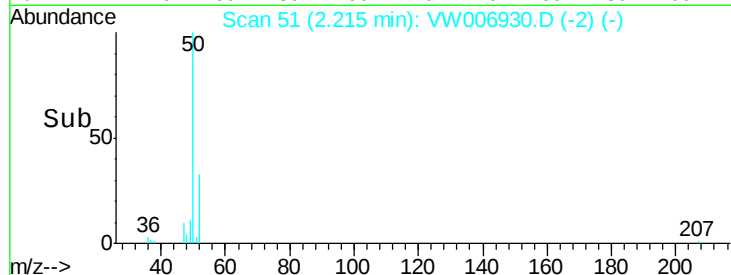
2000

0

Time--> 2.15 2.20 2.25

apatel

11/19/2018 3:29:19 PM



#4

Vinyl Chloride

Concen: 9.00 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW006930.D

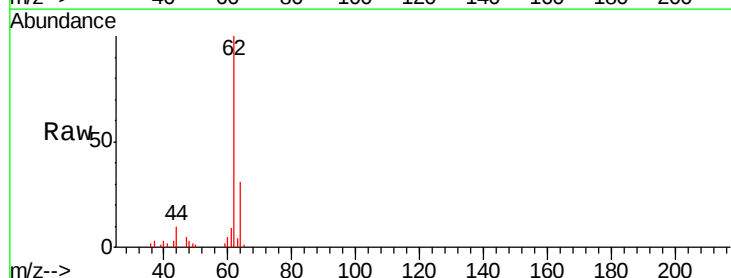
Acq: 16 Nov 2018 23:19

Tgt Ion: 62 Resp: 9766

Ion Ratio Lower Upper

62 100

64 30.6 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

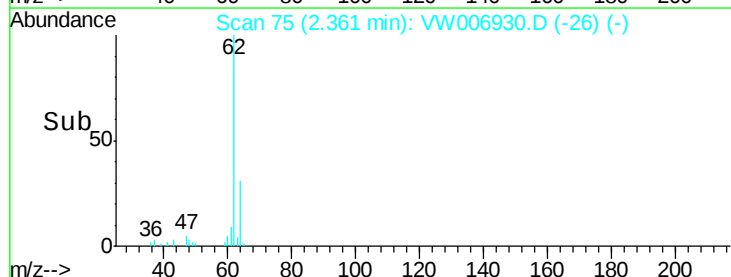
6000

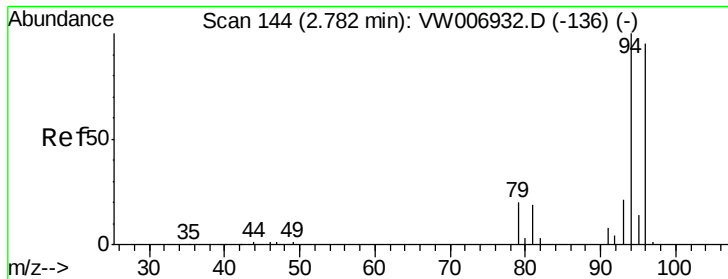
4000

2000

0

Time--> 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 7.96 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

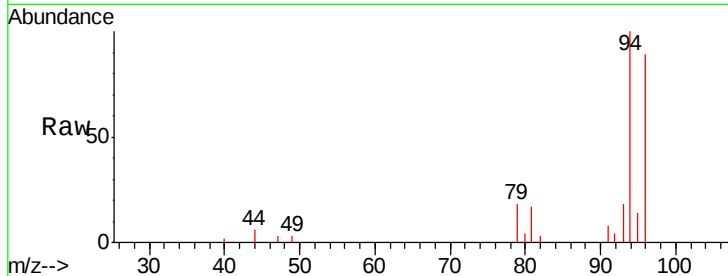
Tgt Ion: 94 Resp: 5637

Ion Ratio Lower Upper

94 100

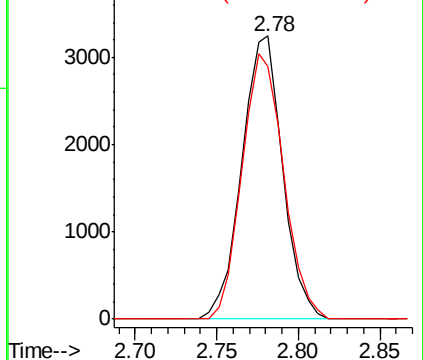
96 89.4 76.2 114.4

Manual Integrations
APPROVED



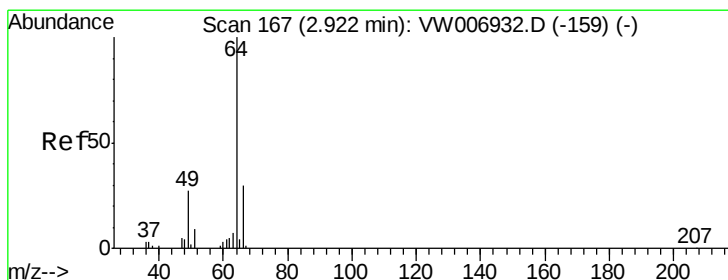
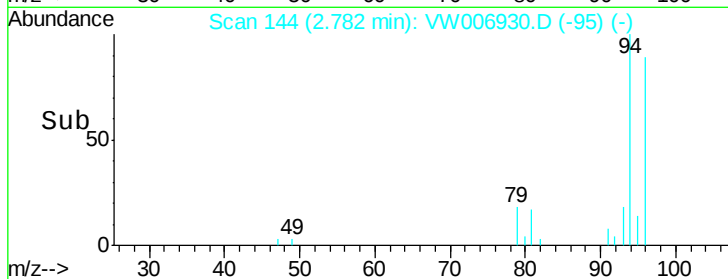
Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



apatel

11/19/2018 3:29:19 PM



#6

Chloroethane

Concen: 7.90 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW006930.D

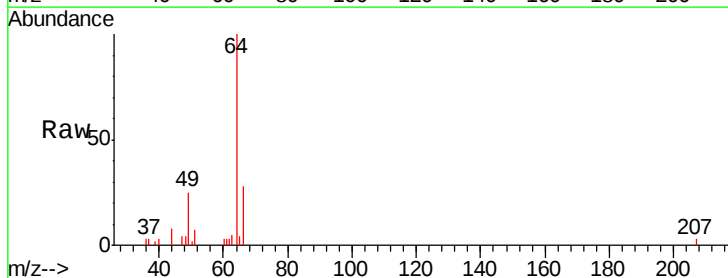
Acq: 16 Nov 2018 23:19

Tgt Ion: 64 Resp: 5481

Ion Ratio Lower Upper

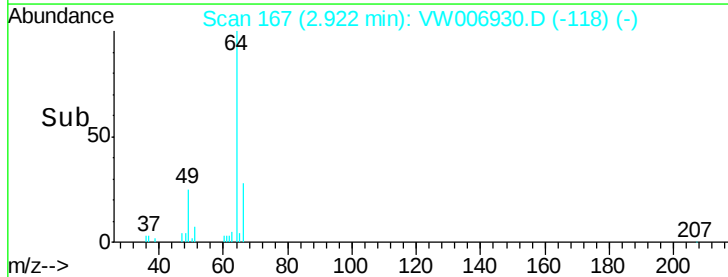
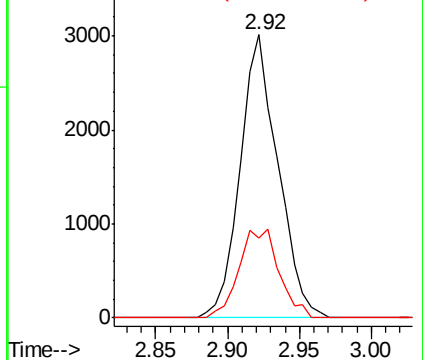
64 100

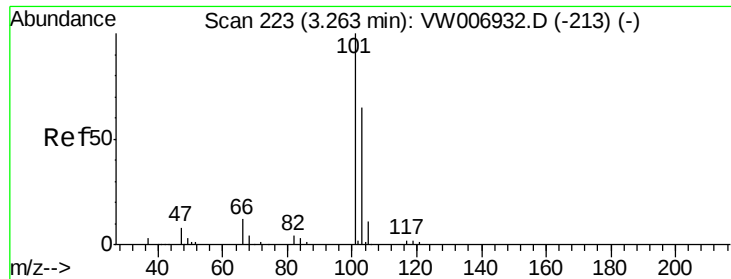
66 28.1 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





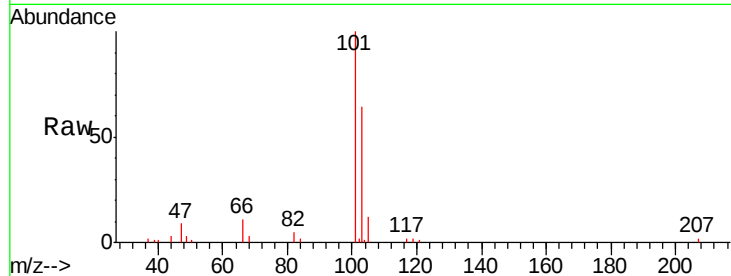
#7

Trichlorofluoromethane
Concen: 11.87 ug/l
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

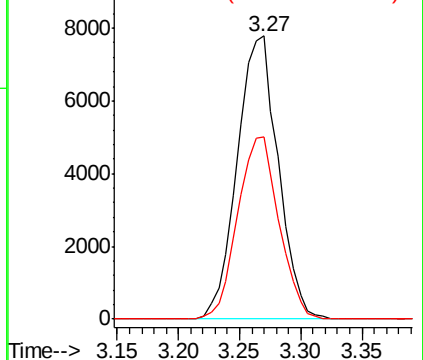
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

Manual Integrations
APPROVED

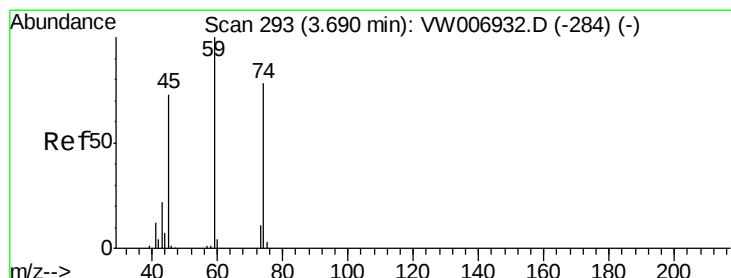
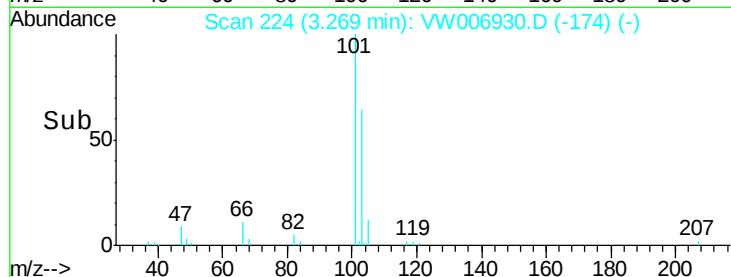


Abundance Ion 100.90 (100.60 to 101.60): V



apatel

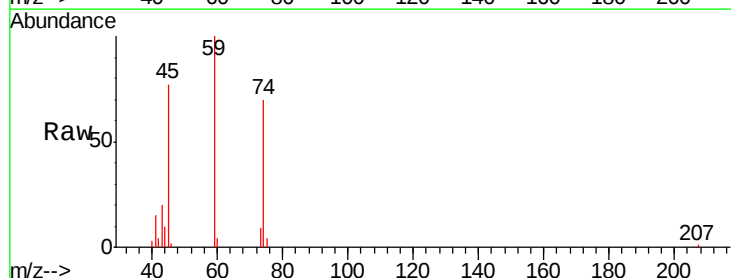
11/19/2018 3:29:19 PM



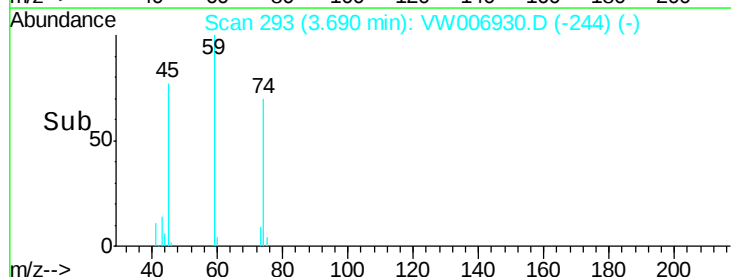
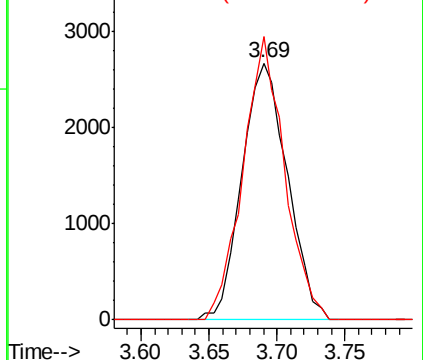
#8

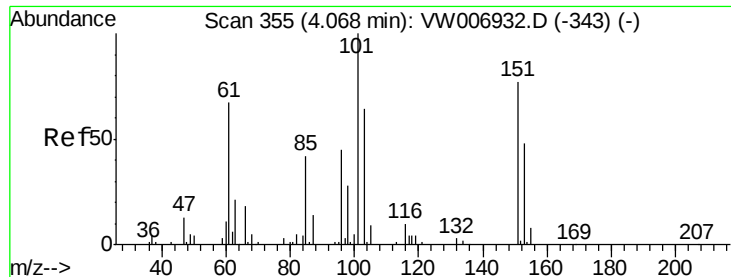
Diethyl Ether
Concen: 13.39 ug/l
RT: 3.69 min Scan# 293
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	48.0	144.2



Abundance Ion 74.00 (73.70 to 74.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.42 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

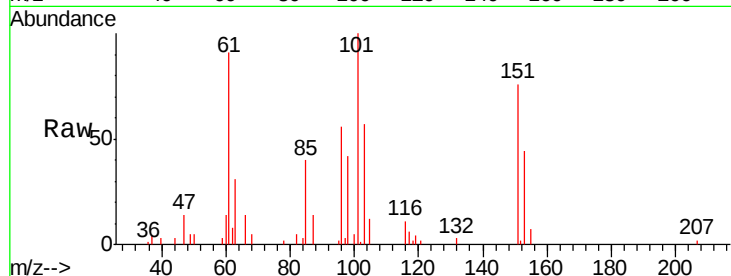
MSVOA_W

ClientSampled :

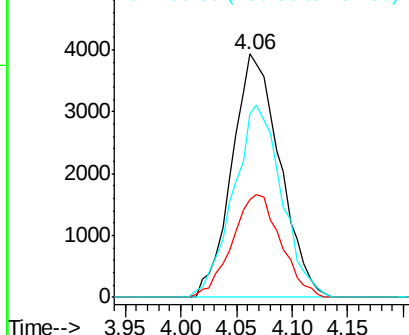
VSTDIC010

Tgt Ion:	101	Resp:	11749
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.5	51.7
151	80.2	61.5	92.3

Manual Integrations
APPROVED

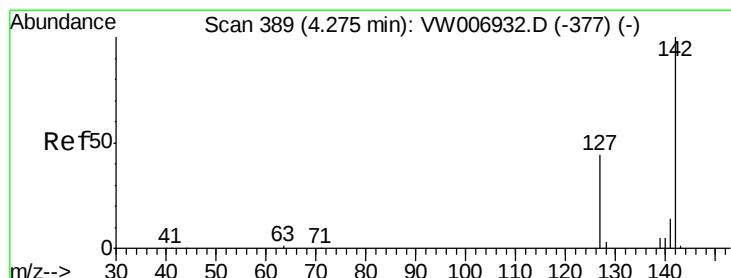
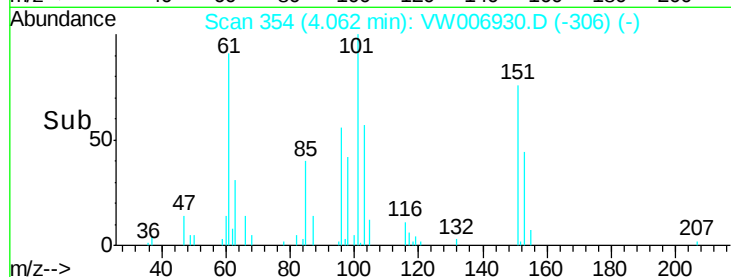


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



apatel

11/19/2018 3:29:19 PM



#10

Methyl Iodide

Concen: 7.50 ug/l

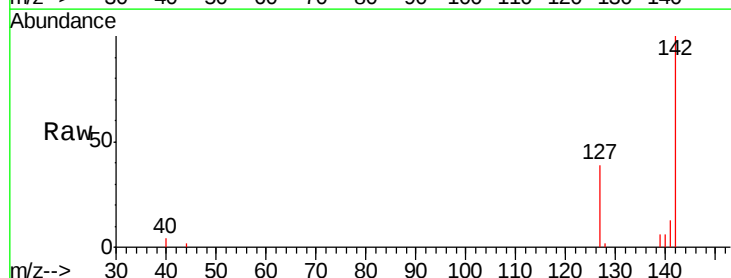
RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

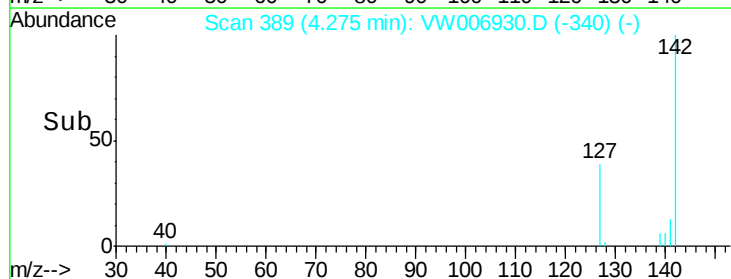
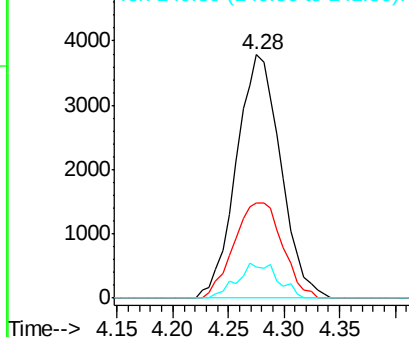
Lab File: VW006930.D

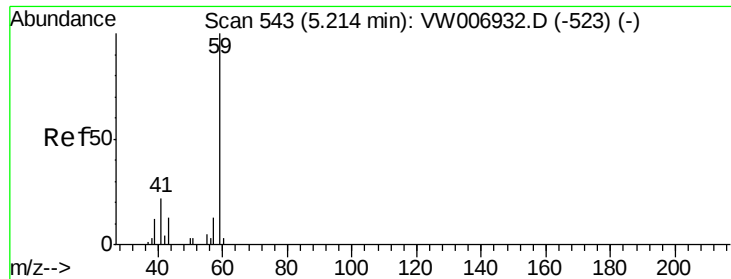
Acq: 16 Nov 2018 23:19

Tgt Ion:	142	Resp:	10474
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.4	51.6
141	13.2	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 81.21 ug/l m

RT: 5.21 min Scan# 543

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 59 Resp: 4794

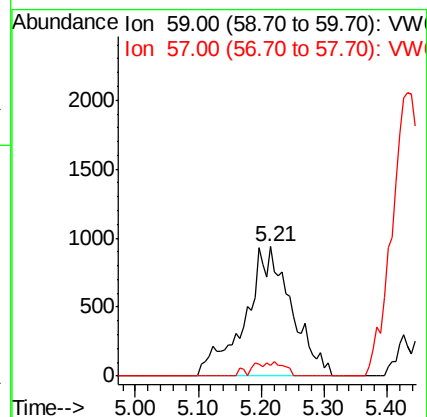
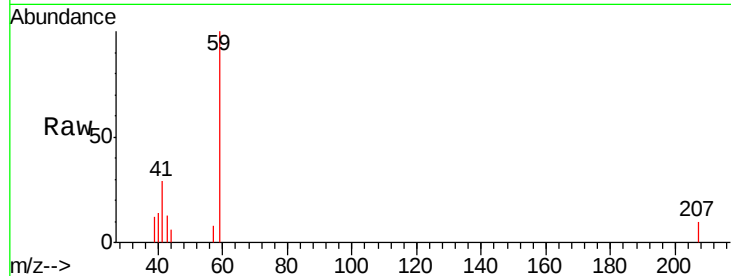
Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#

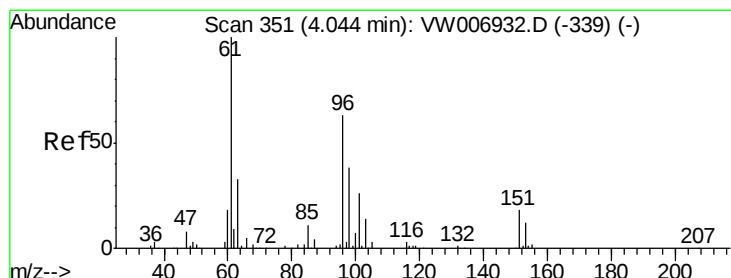
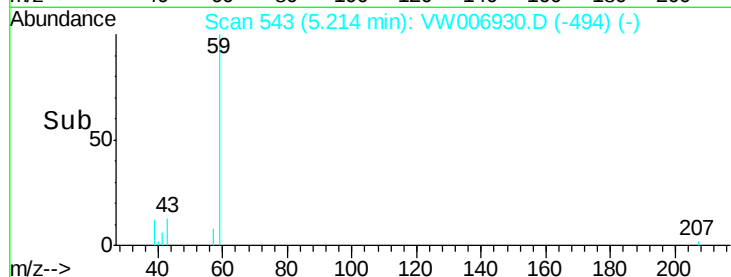
Manual Integrations

APPROVED



apatel

11/19/2018 3:29:19 PM



#12

1,1-Dichloroethene

Concen: 11.63 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

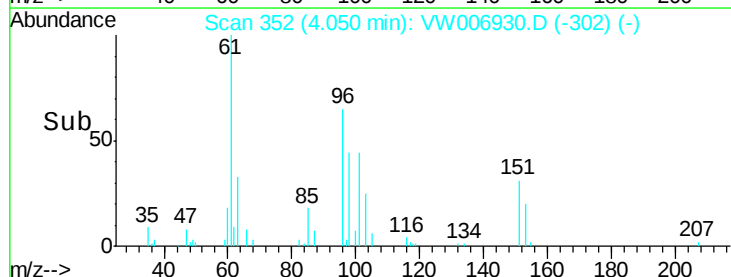
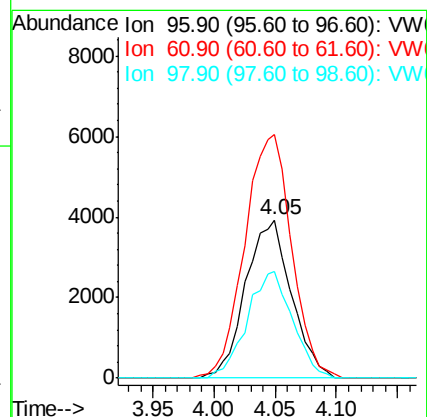
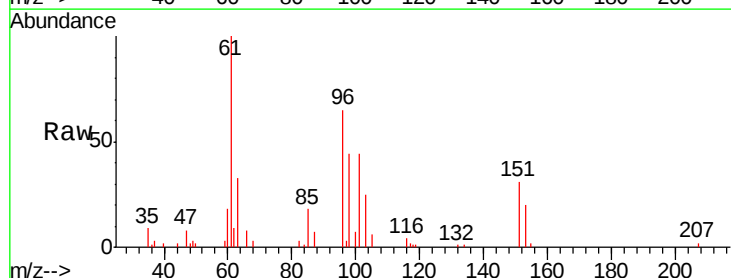
Tgt Ion: 96 Resp: 10212

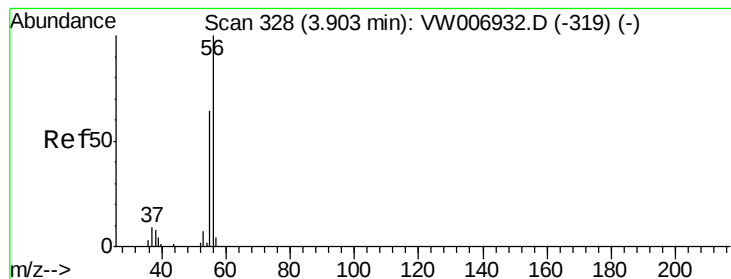
Ion Ratio Lower Upper

96 100

61 154.0 127.8 191.8

98 67.3 48.3 72.5





#13

Acrolein

Concen: 71.40 ug/l

RT: 3.91 min Scan# 329

Delta R.T. 0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

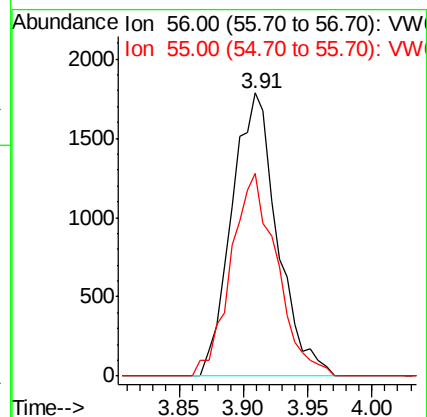
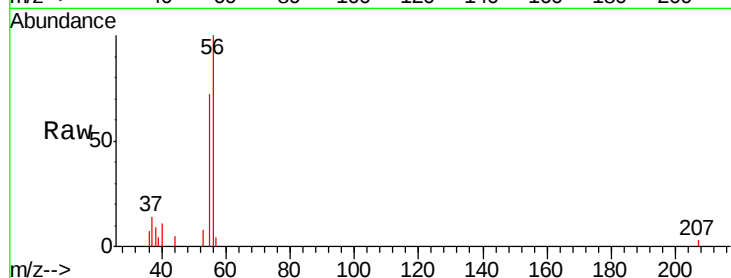
Tgt Ion: 56 Resp: 4403

Ion Ratio Lower Upper

56 100

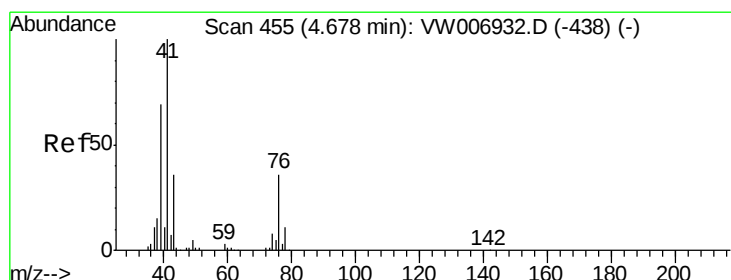
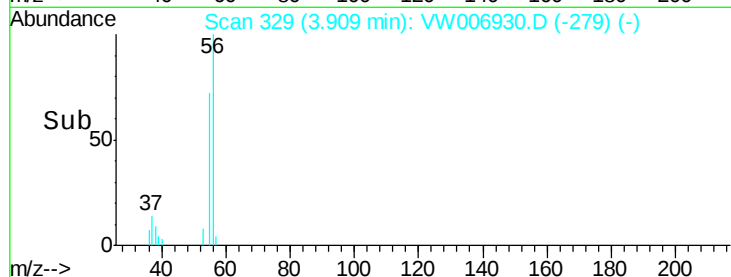
55 72.2 56.5 84.7

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#14

Allyl chloride

Concen: 14.11 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

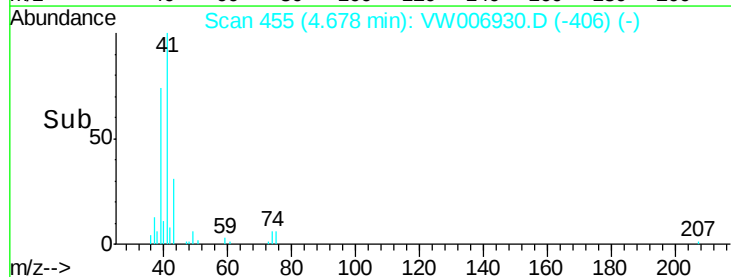
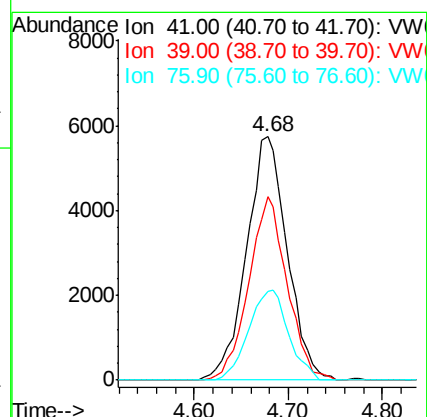
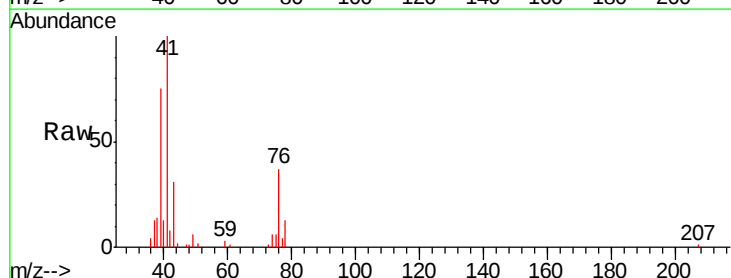
Tgt Ion: 41 Resp: 17364

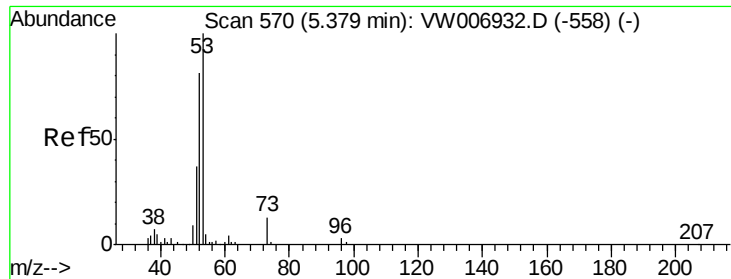
Ion Ratio Lower Upper

41 100

39 71.0 55.0 82.4

76 36.2 28.0 42.0





#15

Acrylonitrile

Concen: 67.68 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

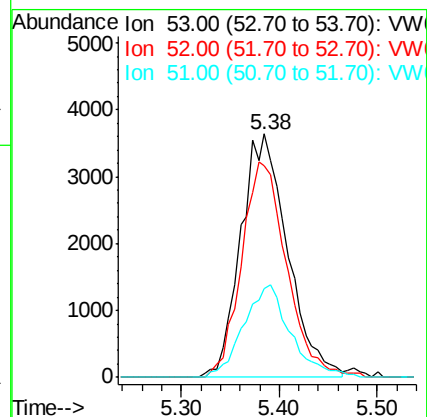
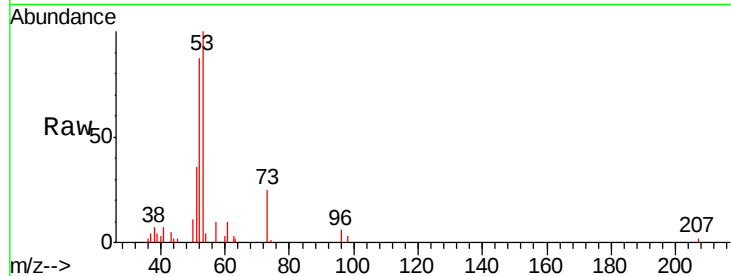
MSVOA_W

ClientSampleId :

VSTDIC010

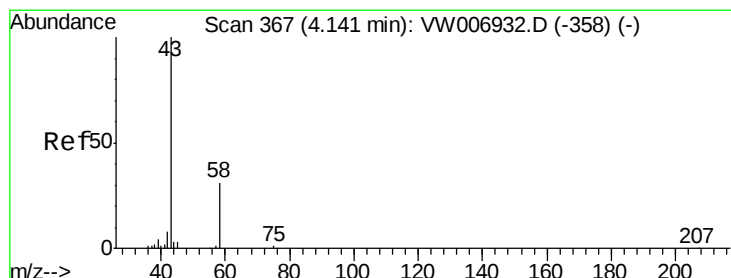
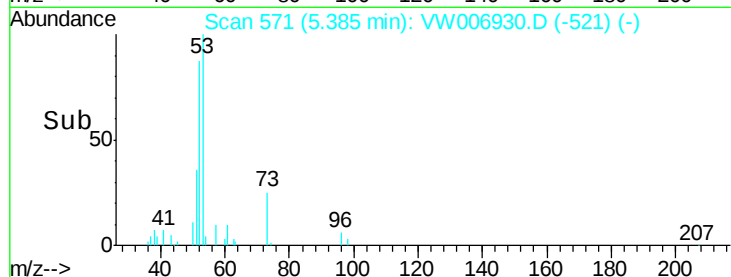
Tgt Ion:	53	Resp:	12076
Ion	Ratio	Lower	Upper
53	100		
52	85.6	67.0	100.6
51	38.1	29.8	44.6

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#16

Acetone

Concen: 73.67 ug/l

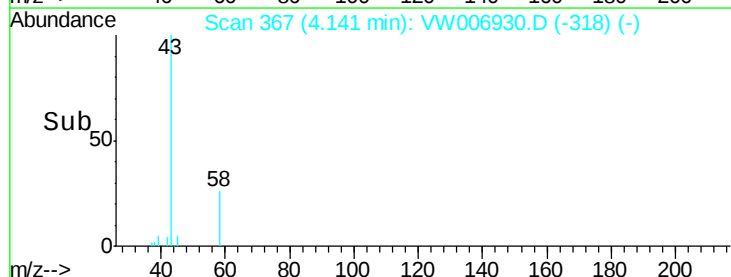
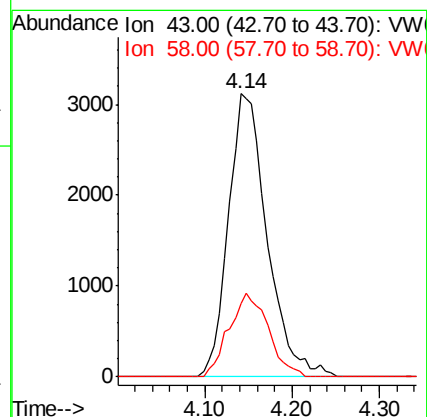
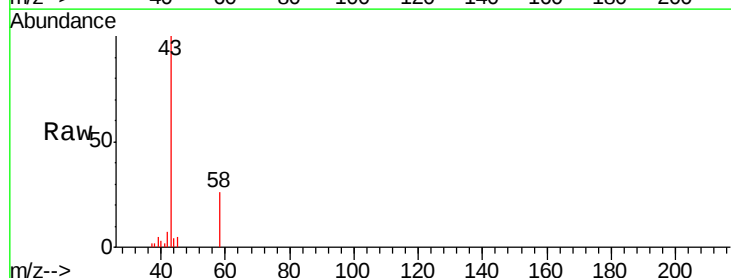
RT: 4.14 min Scan# 367

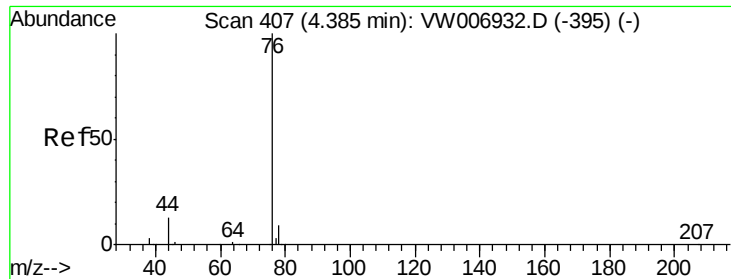
Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	43	Resp:	9589
Ion	Ratio	Lower	Upper
43	100		
58	26.1	24.2	36.4



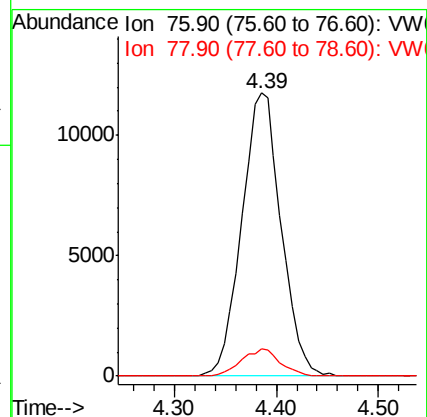
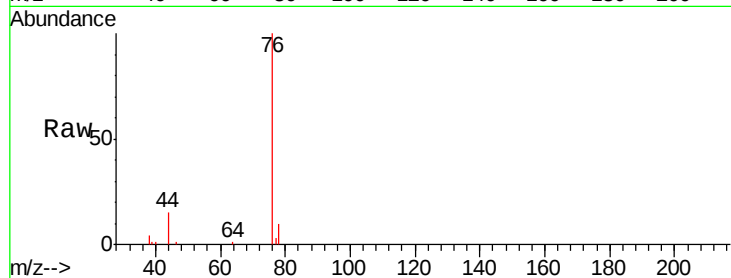


#17
Carbon Disulfide
Concen: 11.35 ug/l
RT: 4.39 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

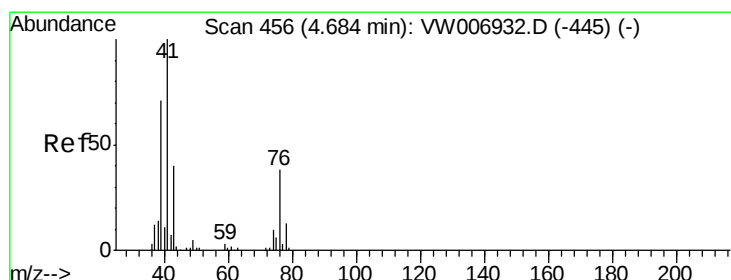
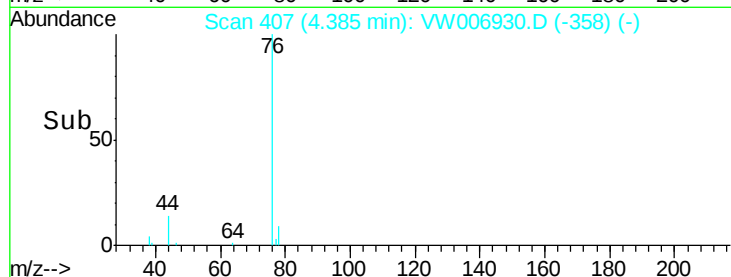
Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

Manual Integrations
APPROVED



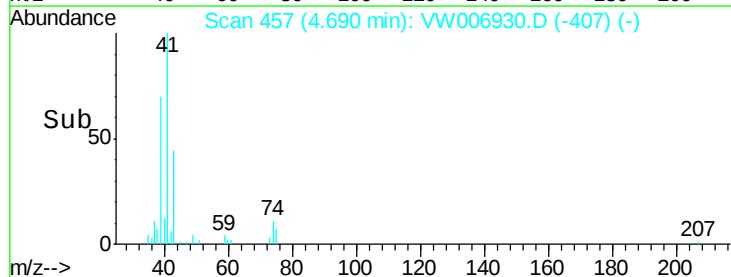
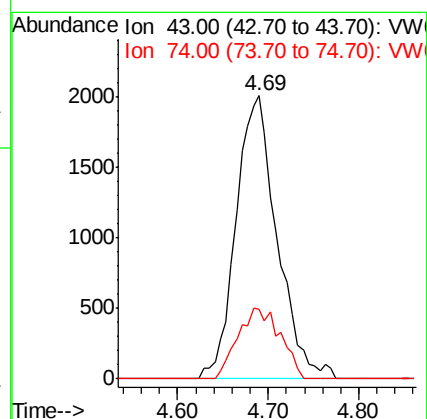
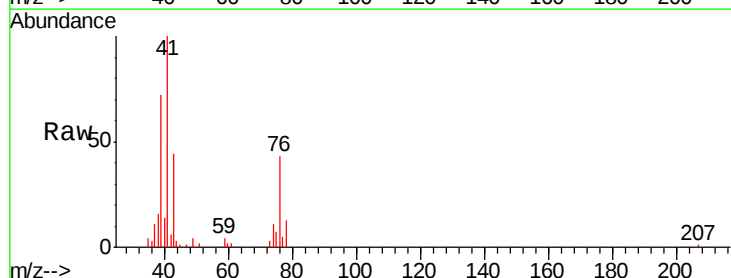
apatel

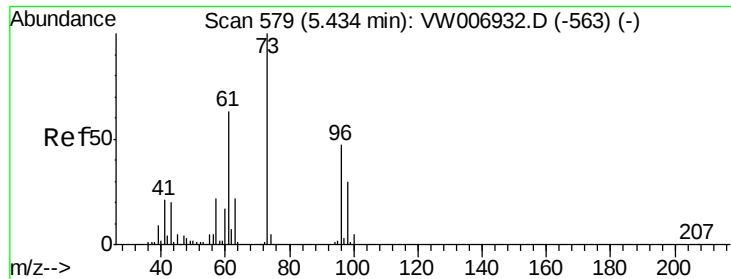
11/19/2018 3:29:19 PM



#18
Methyl Acetate
Concen: 14.11 ug/l
RT: 4.69 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.3	30.5



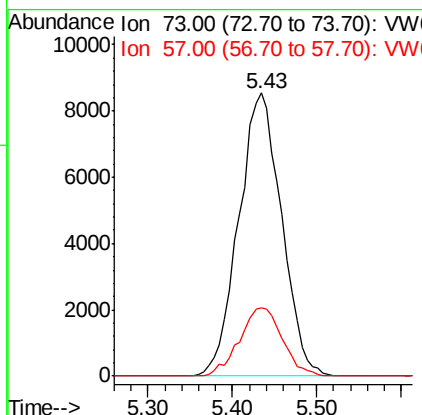
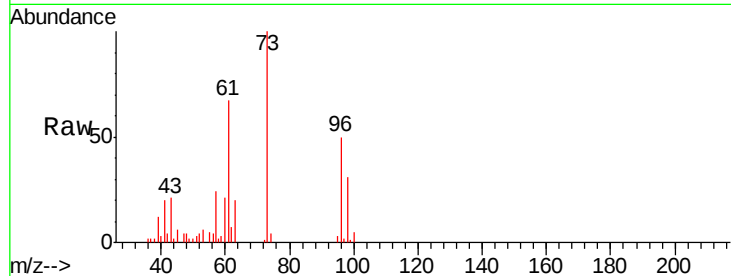


#19
Methyl tert-butyl Ether
Concen: 13.57 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

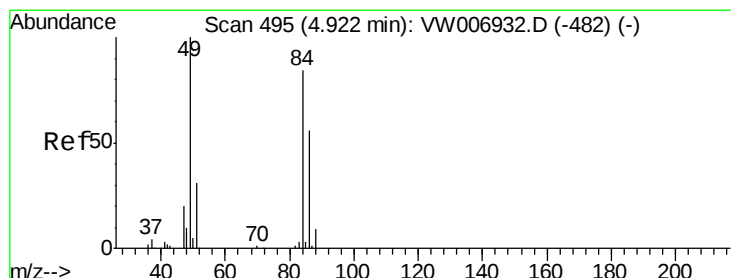
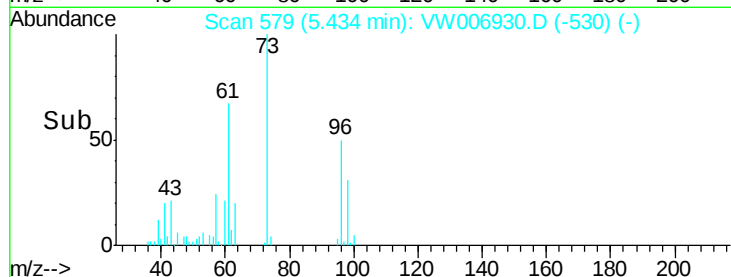
Tgt Ion: 73 Resp: 29522
Ion Ratio Lower Upper
73 100
57 24.0 17.5 26.3

Manual Integrations
APPROVED



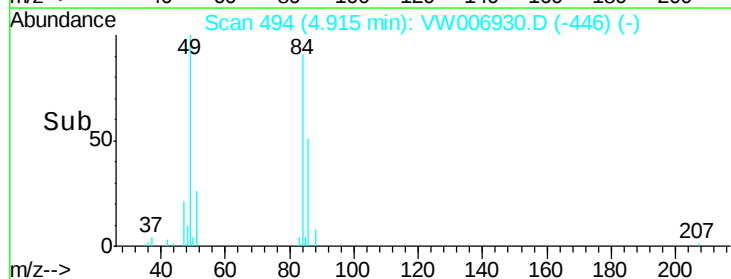
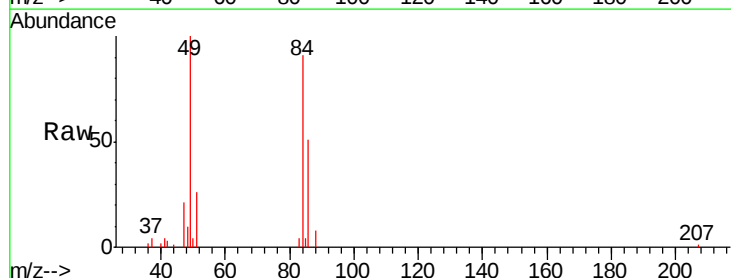
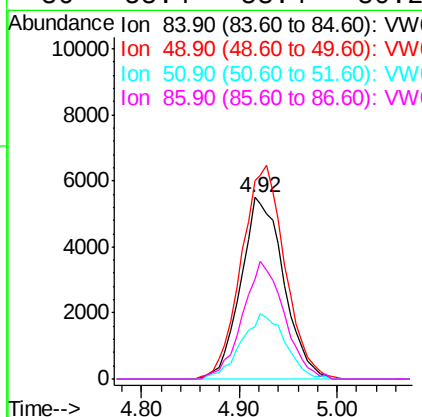
apatel

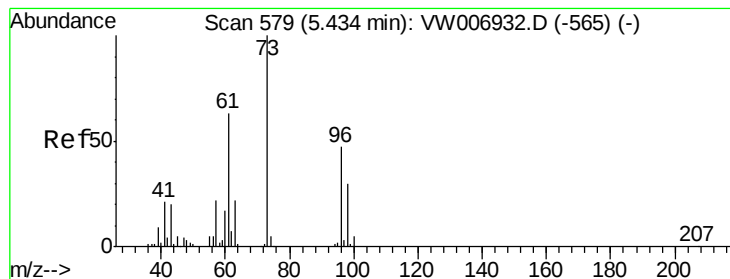
11/19/2018 3:29:19 PM



#20
Methylene Chloride
Concen: 12.32 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion: 84 Resp: 16729
Ion Ratio Lower Upper
84 100
49 109.7 95.4 143.2
51 29.0 29.5 44.3#
86 55.4 53.4 80.2





#21

trans-1,2-Dichloroethene

Concen: 11.87 ug/l

RT: 5.43 min Scan# 579

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

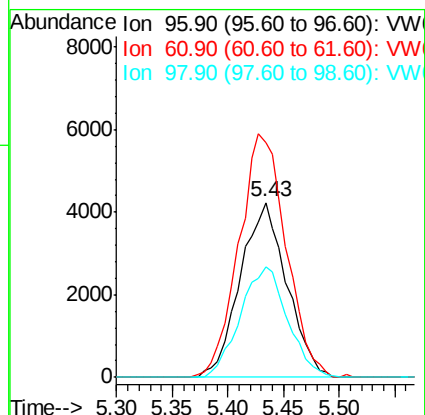
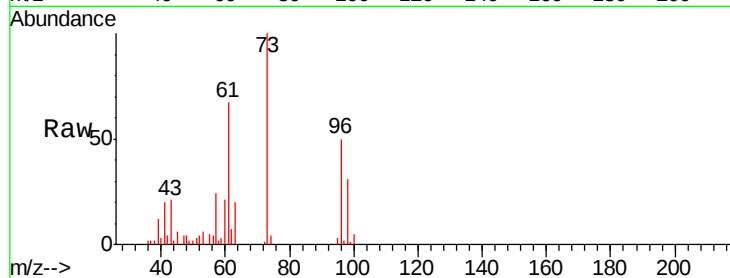
MSVOA_W

ClientSampleId :

VSTDIC010

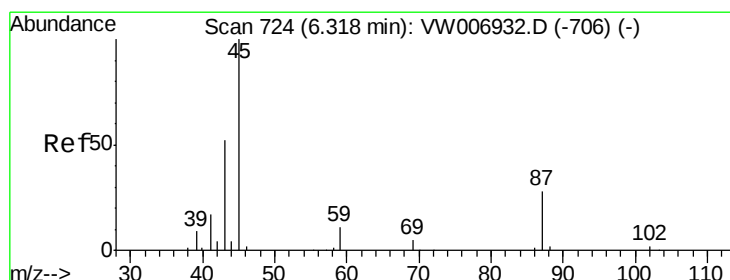
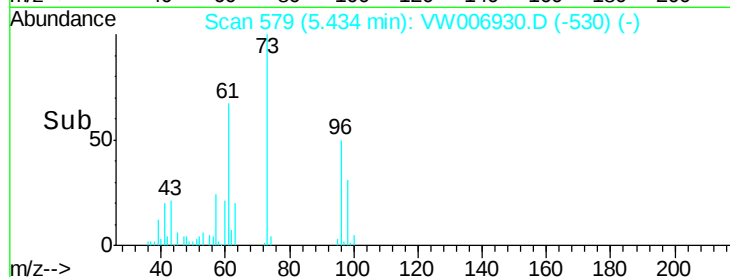
Tgt Ion:	96	Resp:	12305
Ion	Ratio	Lower	Upper
96	100		
61	134.3	108.2	162.4
98	63.4	50.6	76.0

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#22

Diisopropyl ether

Concen: 14.36 ug/l

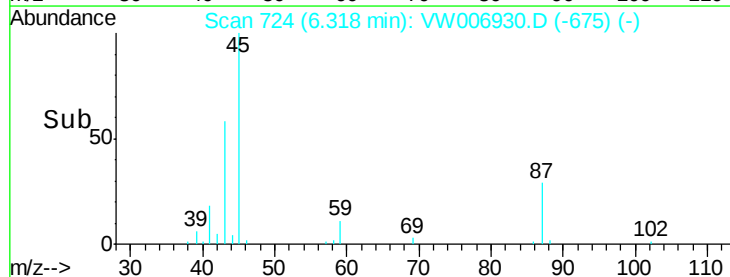
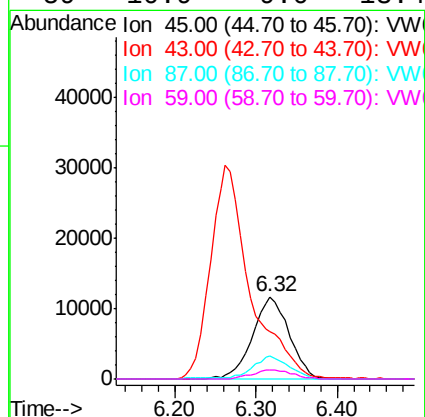
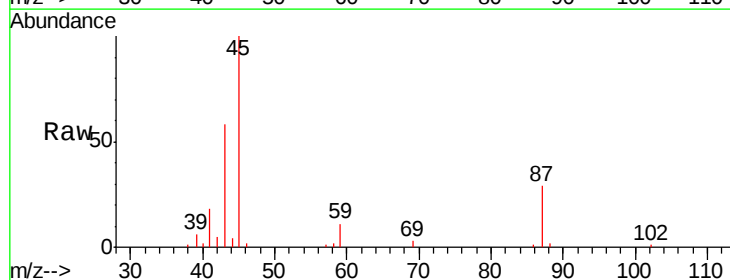
RT: 6.32 min Scan# 724

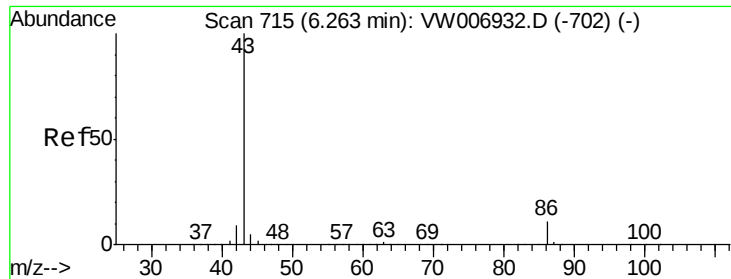
Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	45	Resp:	36393
Ion	Ratio	Lower	Upper
45	100		
43	57.1	43.1	64.7
87	28.6	22.7	34.1
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 71.84 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 102552

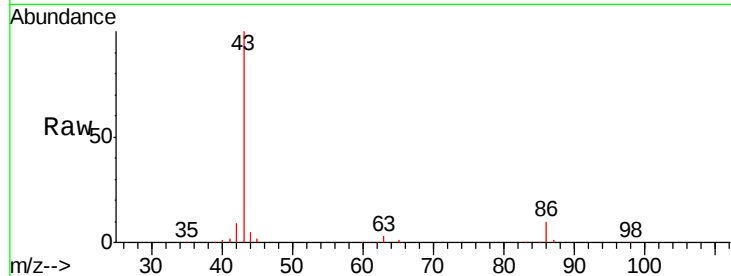
Ion Ratio Lower Upper

43 100

86 10.0 8.7 13.1

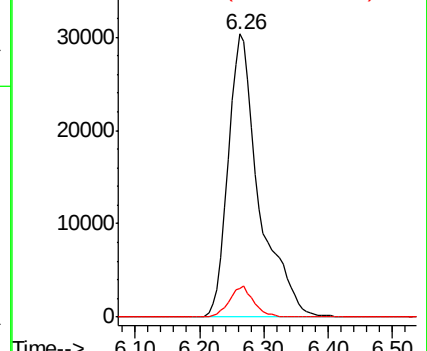
Manual Integrations

APPROVED



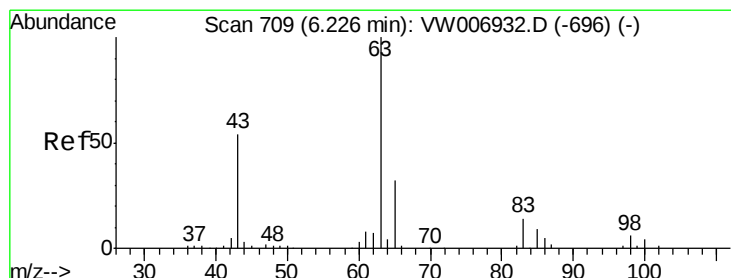
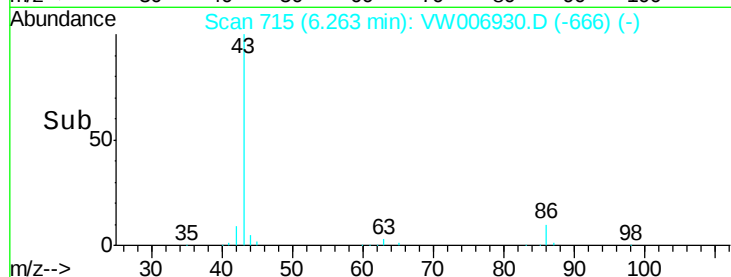
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



apatel

11/19/2018 3:29:19 PM



#24

1,1-Dichloroethane

Concen: 12.63 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

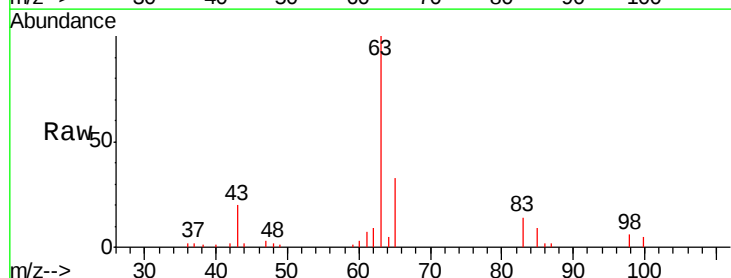
Tgt Ion: 63 Resp: 20625

Ion Ratio Lower Upper

63 100

98 6.2 3.2 9.6

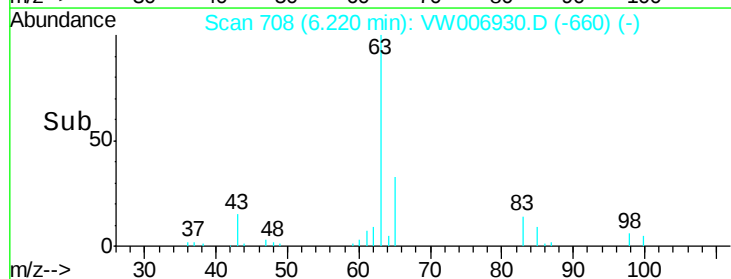
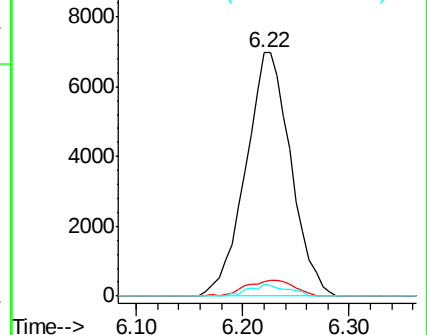
100 4.7 2.1 6.5

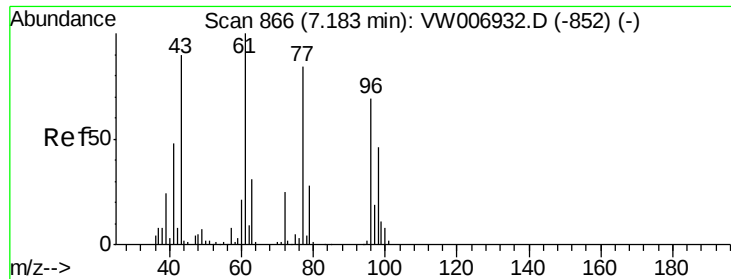


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 70.63 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 43 Resp: 15439

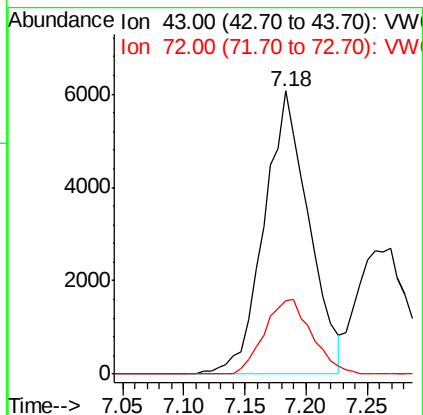
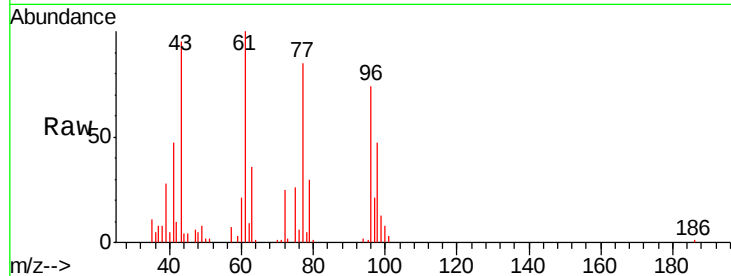
Ion Ratio Lower Upper

43 100

72 26.0 22.1 33.1

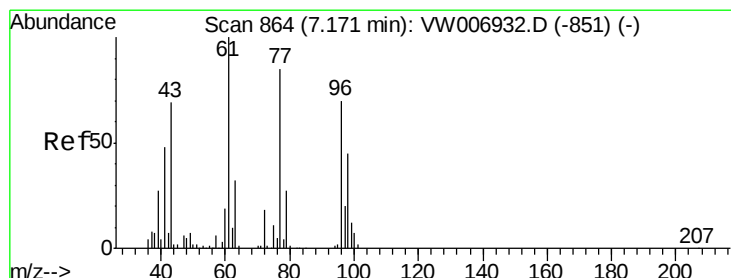
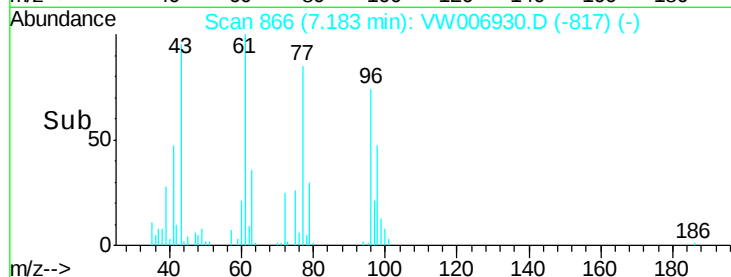
Manual Integrations

APPROVED



apatel

11/19/2018 3:29:19 PM



#26

2,2-Dichloropropane

Concen: 12.14 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006930.D

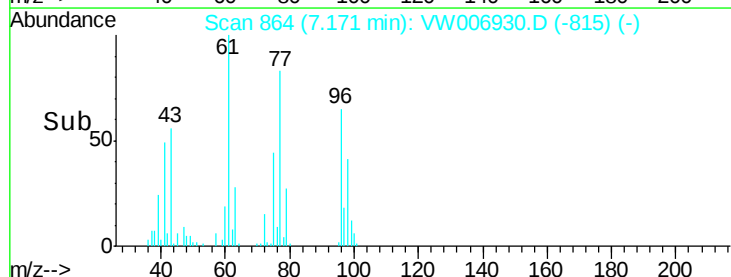
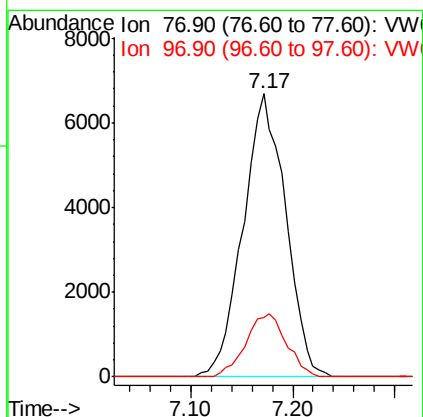
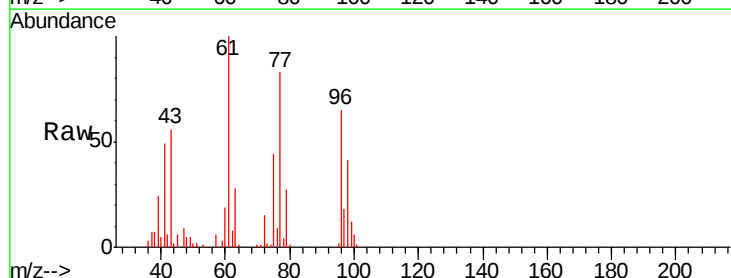
Acq: 16 Nov 2018 23:19

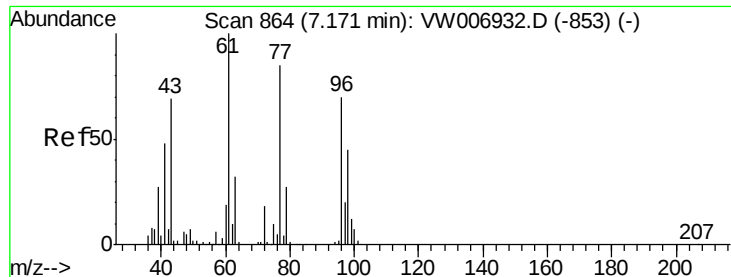
Tgt Ion: 77 Resp: 19353

Ion Ratio Lower Upper

77 100

97 21.2 11.3 33.9



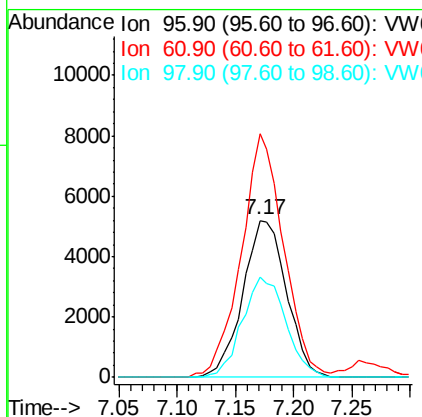
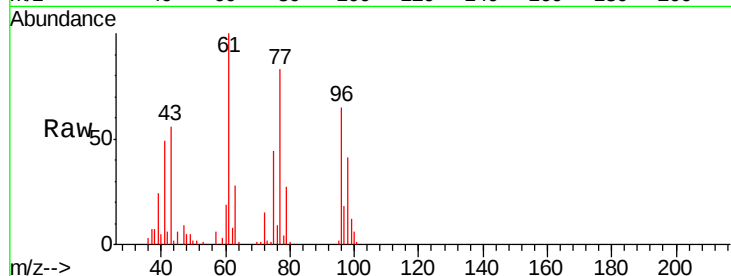


#27
 cis-1,2-Dichloroethene
 Concen: 12.14 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

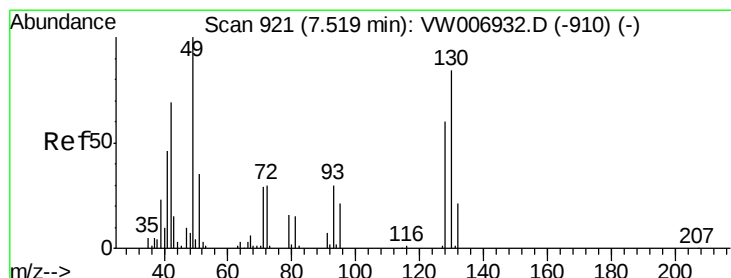
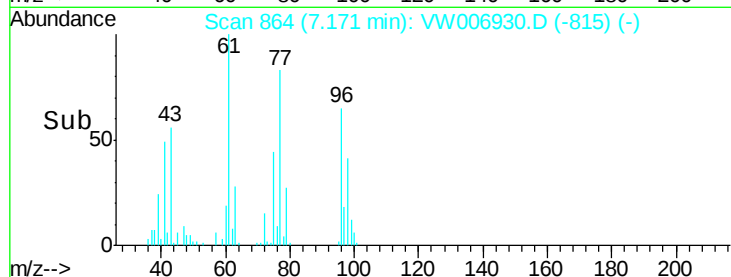
Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.9	0.0	293.8
98	63.5	0.0	131.0

Manual Integrations
 APPROVED



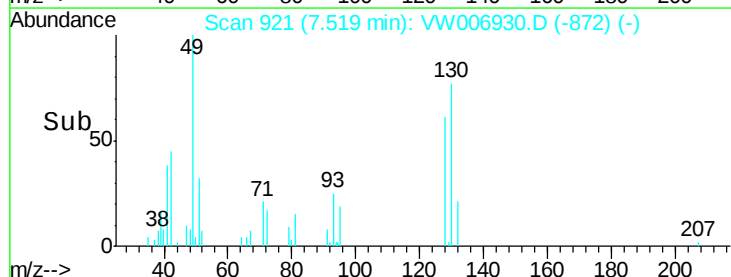
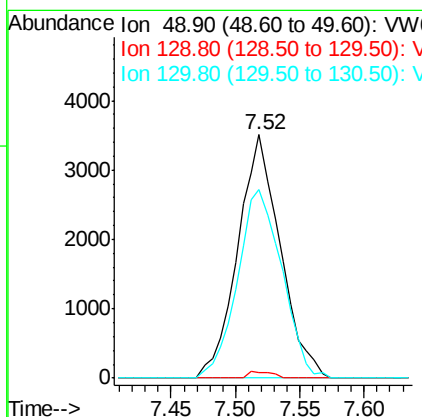
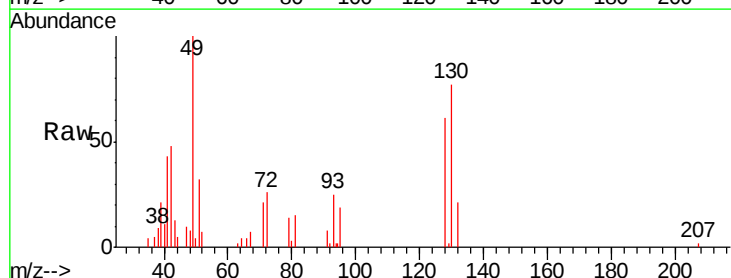
apatel

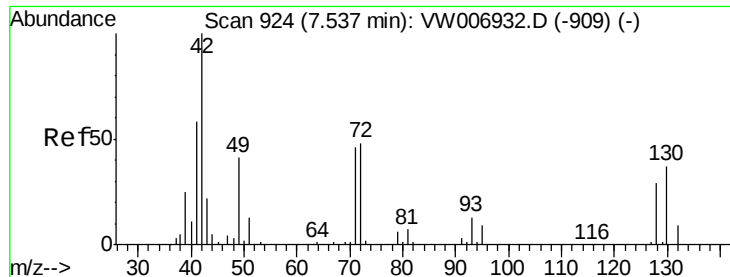
11/19/2018 3:29:19 PM



#28
 Bromochloromethane
 Concen: 13.92 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.6
130	81.1	66.1	99.1



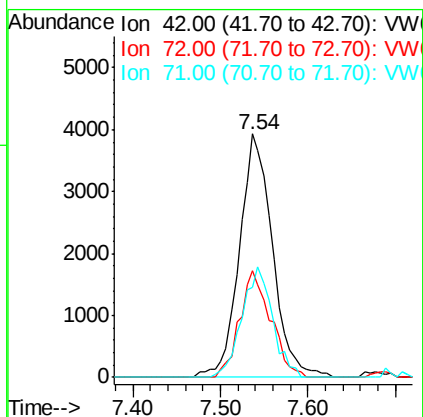
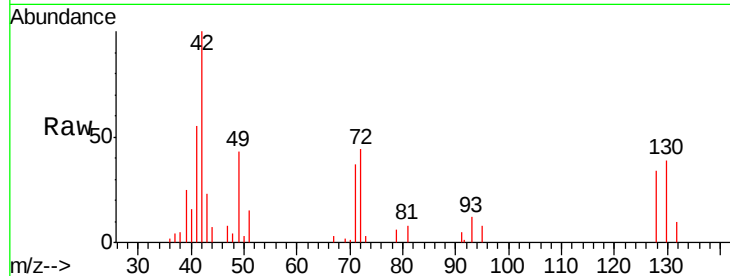


#29
Tetrahydrofuran
Concen: 73.82 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

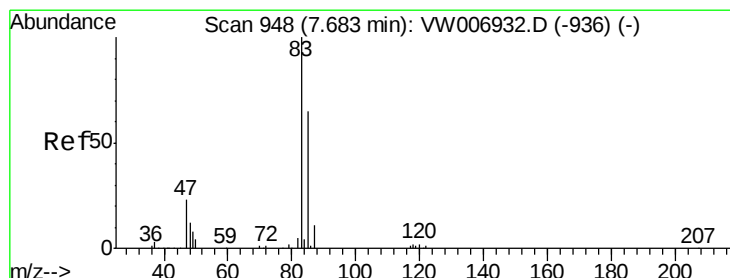
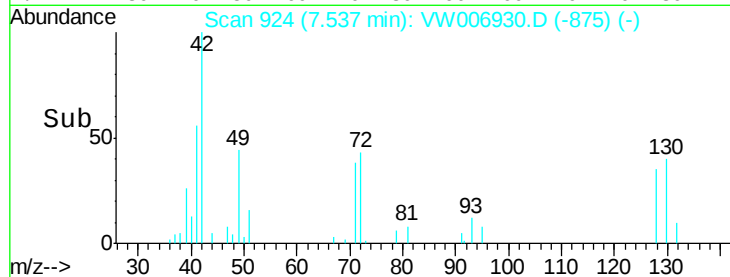
Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.3	35.7	53.5
71	41.8	33.7	50.5

Manual Integrations
APPROVED



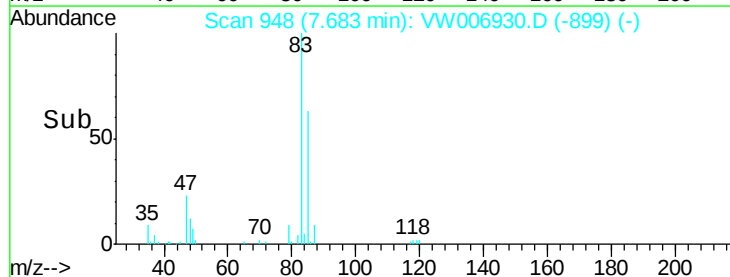
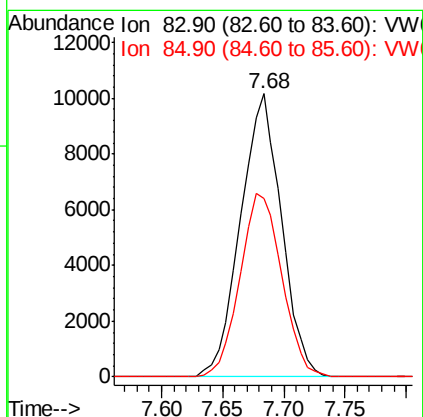
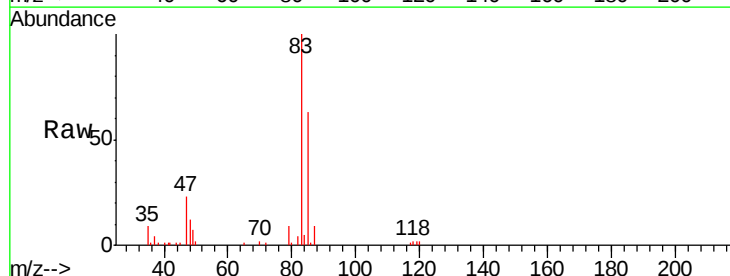
apatel

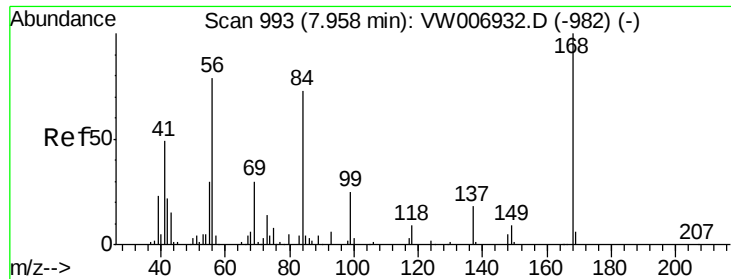
11/19/2018 3:29:19 PM



#30
Chloroform
Concen: 13.33 ug/l
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	52.2	78.4



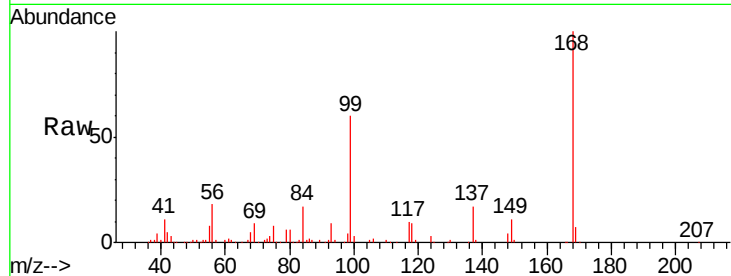


#31
Cyclohexane
Concen: 13.98 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
56	100		
69	51.7	30.2	45.2#
84	94.8	73.6	110.4

Manual Integrations
APPROVED

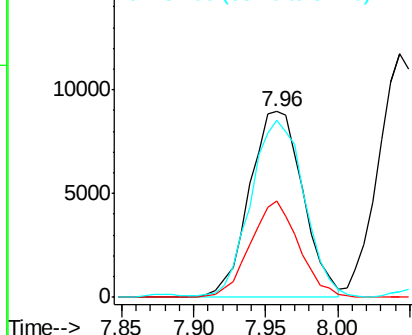


Abundance

Ion 56.00 (55.70 to 56.70): VW

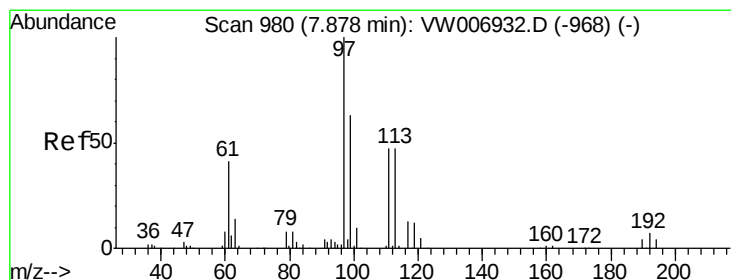
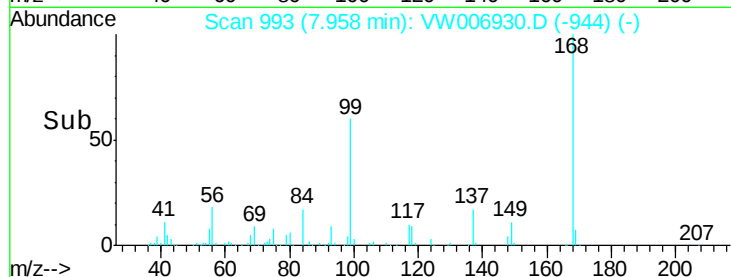
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



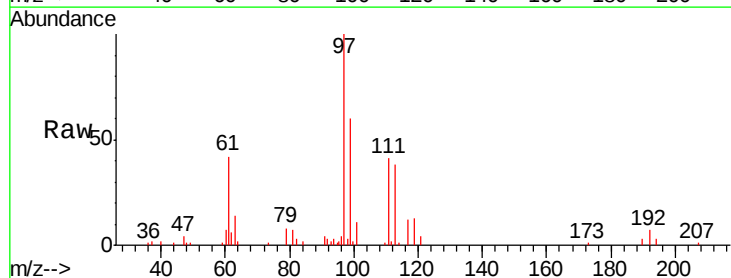
apatel

11/19/2018 3:29:19 PM



#32
1,1,1-Trichloroethane
Concen: 12.18 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.6
61	43.4	34.2	51.2

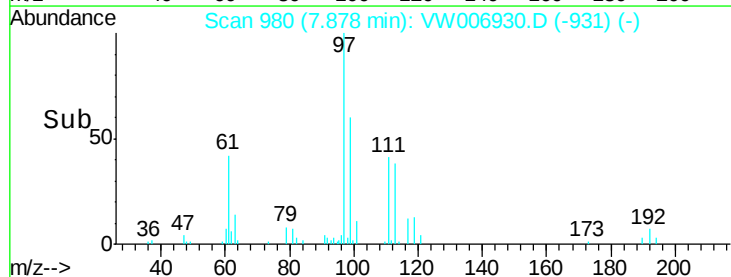
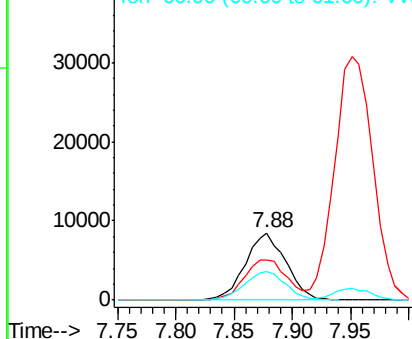


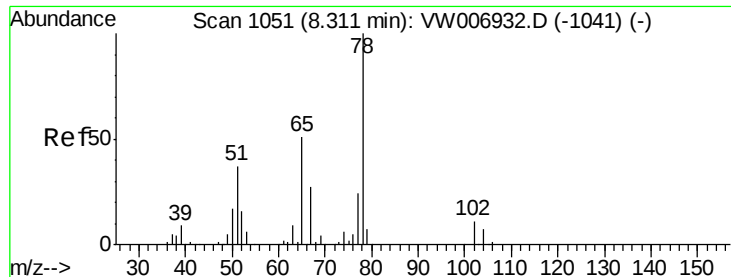
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 98.90 (98.60 to 99.60): VW

Ion 60.90 (60.60 to 61.60): VW



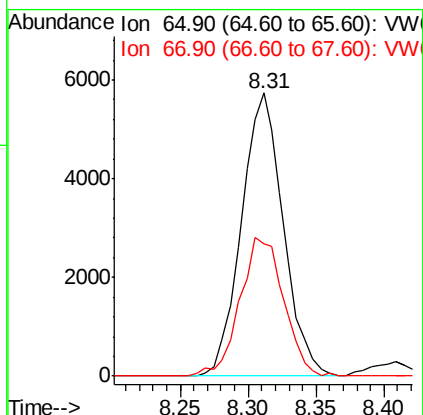
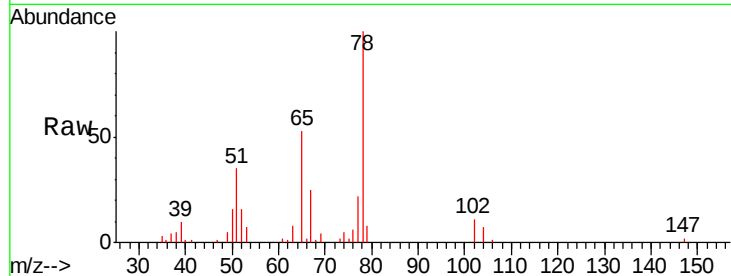


#33
 1,2-Dichloroethane-d4
 Concen: 13.64 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

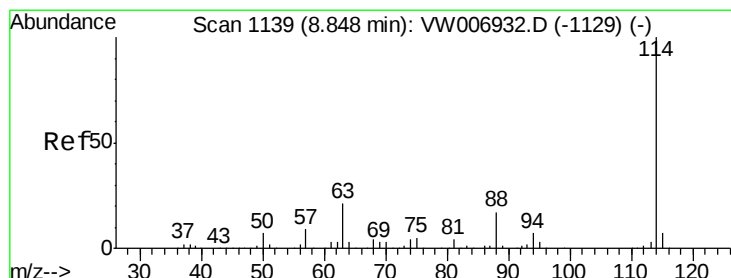
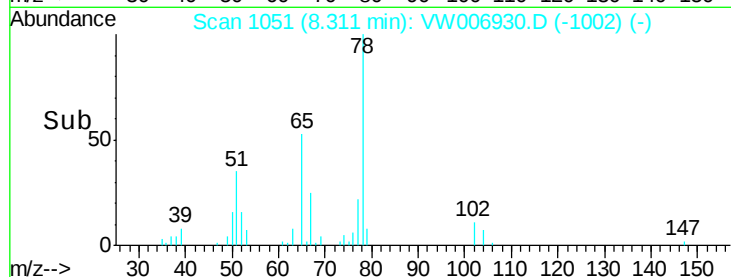
Tgt Ion	Ratio	Resp	Lower	Upper
65	100	12302		
67	51.3	0.0	104.0	

Manual Integrations
 APPROVED



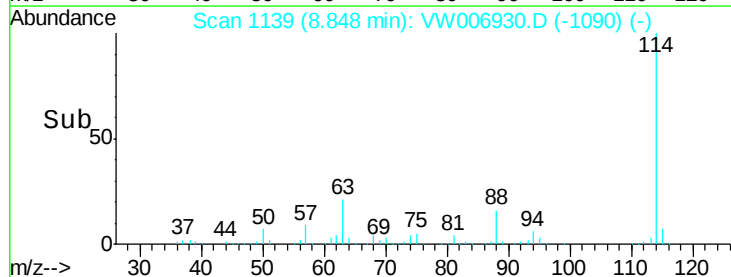
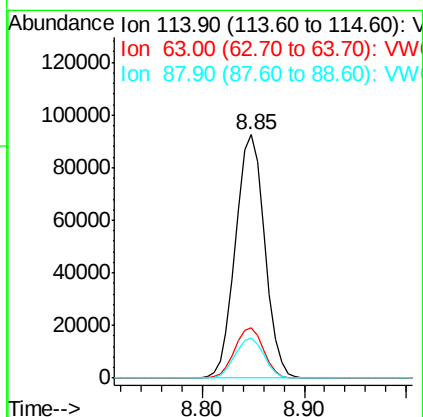
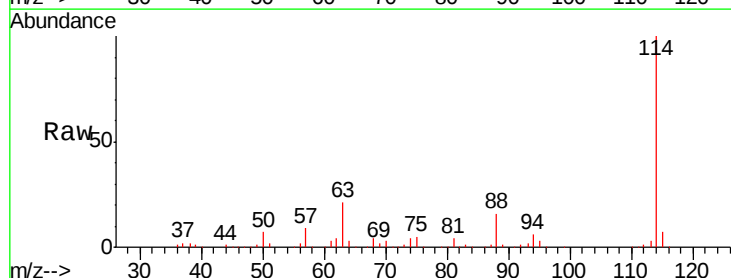
apatel

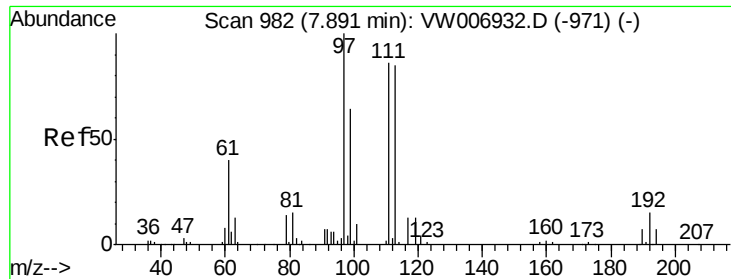
11/19/2018 3:29:19 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	183004		
63	20.6	0.0	42.2	
88	16.5	0.0	33.4	





#35

Dibromofluoromethane

Concen: 9.02 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

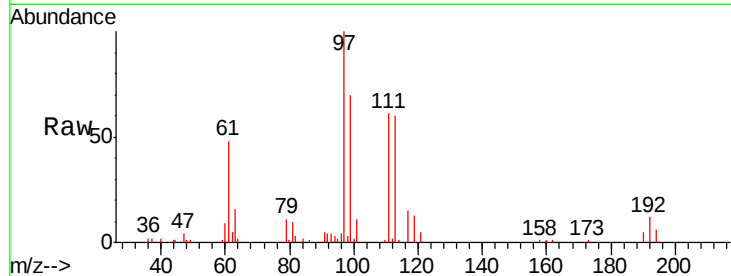
MSVOA_W

ClientSampled :

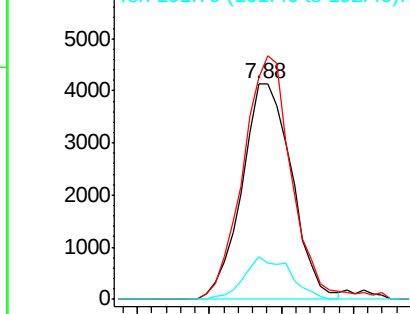
VSTDIC010

Tgt Ion:	113	Resp:	9953
Ion	Ratio	Lower	Upper
113	100		
111	110.5	81.7	122.5
192	18.2	13.9	20.9

Manual Integrations
APPROVED

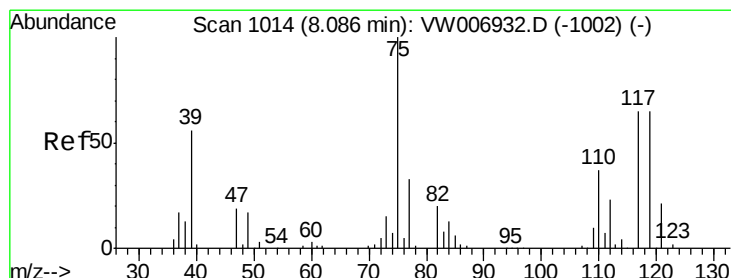
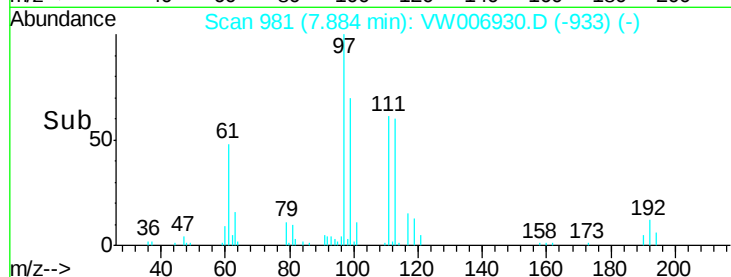


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



apatel

11/19/2018 3:29:19 PM



#36

1,1-Dichloropropene

Concen: 10.56 ug/l

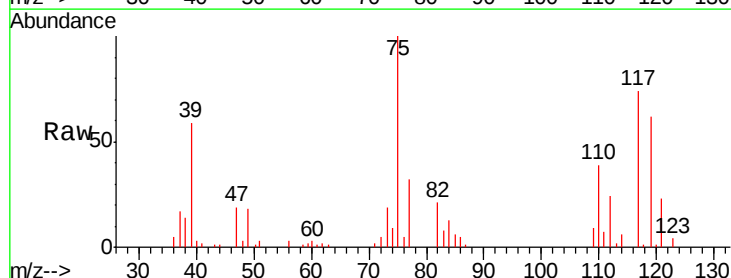
RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

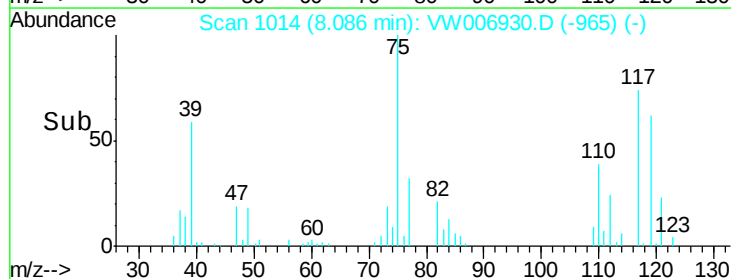
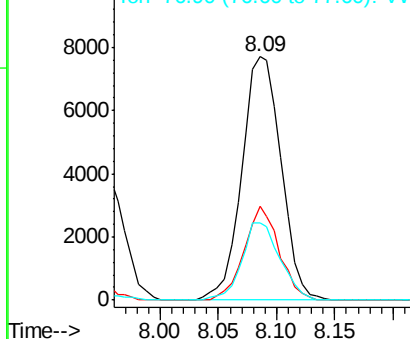
Lab File: VW006930.D

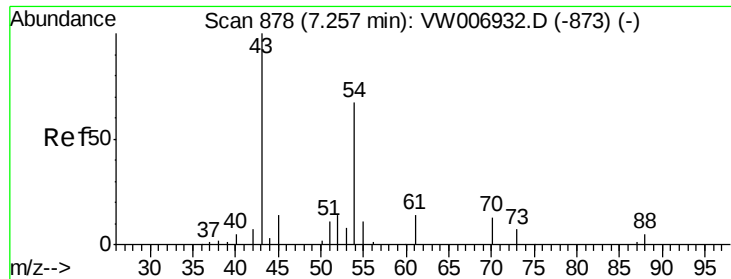
Acq: 16 Nov 2018 23:19

Tgt Ion:	75	Resp:	18114
Ion	Ratio	Lower	Upper
75	100		
110	34.4	18.1	54.1
77	30.9	25.4	38.0



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



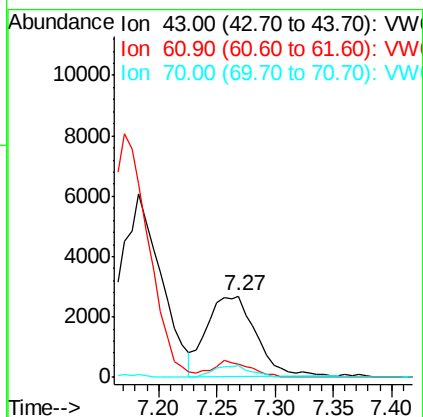
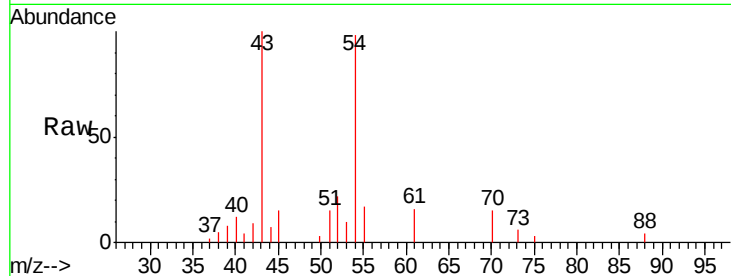


#37
Ethyl Acetate
Concen: 13.06 ug/l
RT: 7.27 min Scan# 880
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

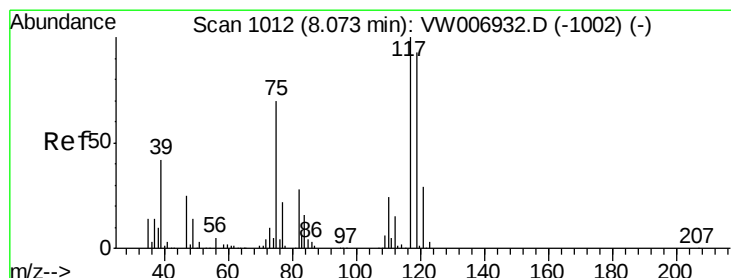
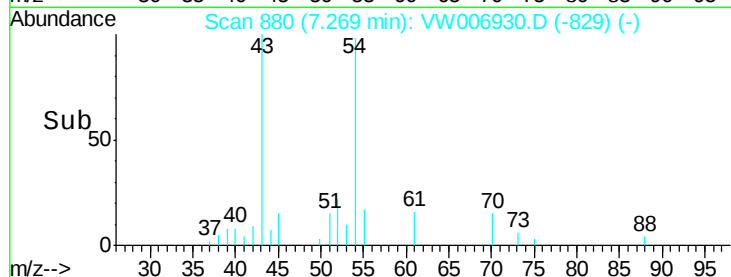
Tgt Ion: 43 Resp: 7649
Ion Ratio Lower Upper
43 100
61 15.6 11.0 16.6
70 11.5 8.8 13.2

Manual Integrations
APPROVED



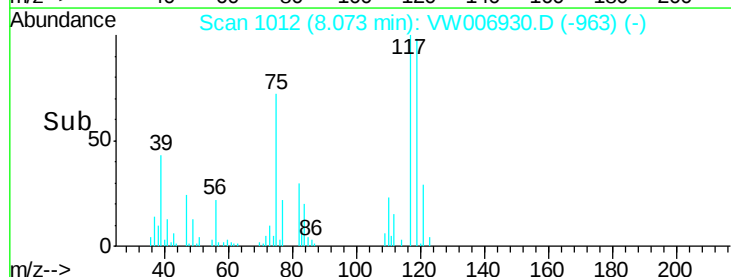
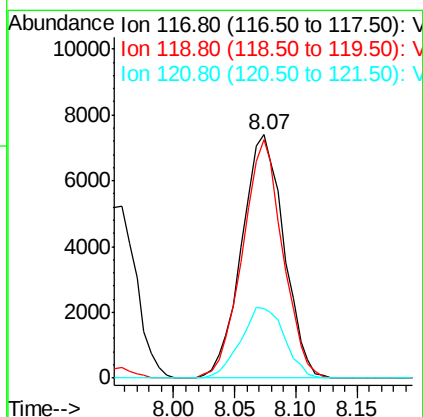
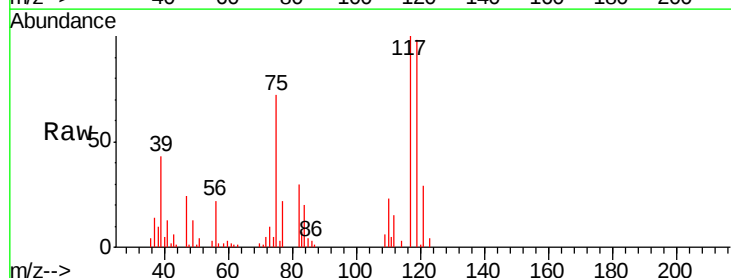
apatel

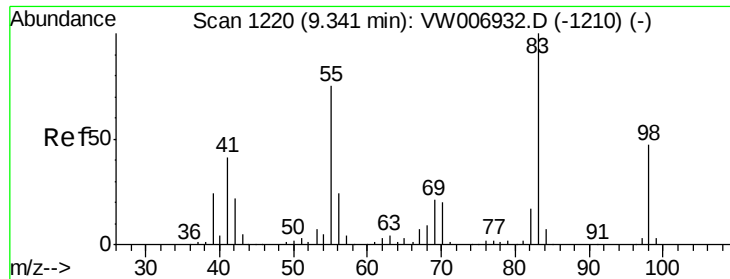
11/19/2018 3:29:19 PM



#38
Carbon Tetrachloride
Concen: 9.71 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion: 117 Resp: 17786
Ion Ratio Lower Upper
117 100
119 98.1 74.2 111.4
121 28.7 23.5 35.3



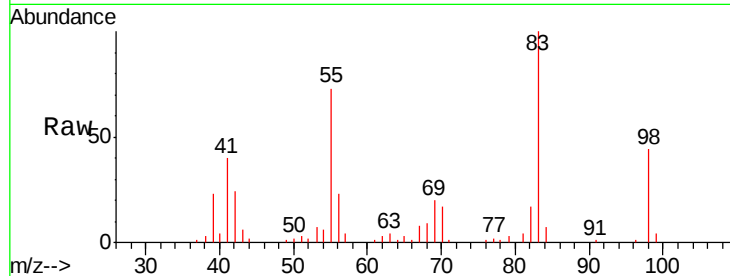


#39
Methylcyclohexane
Concen: 10.26 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

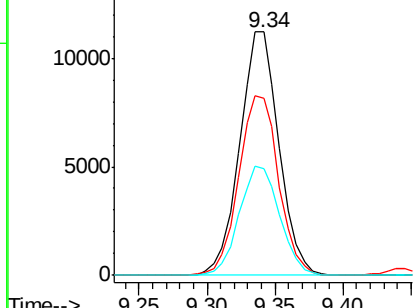
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.8	60.2	90.4
98	43.9	37.3	55.9

Manual Integrations
APPROVED

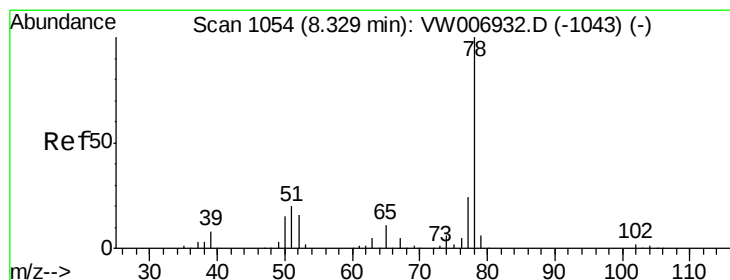
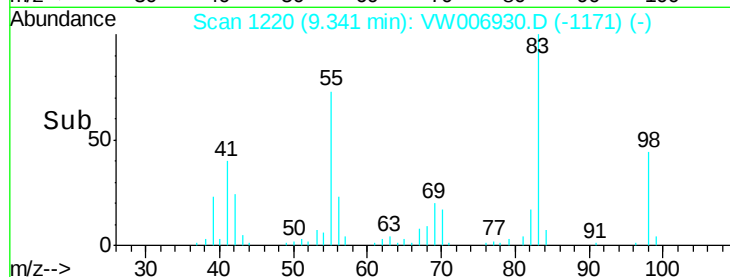


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW



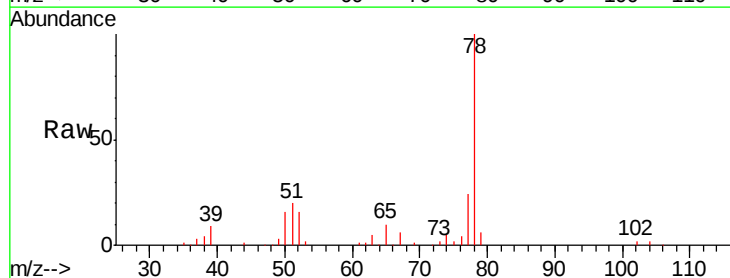
apatel

11/19/2018 3:29:19 PM

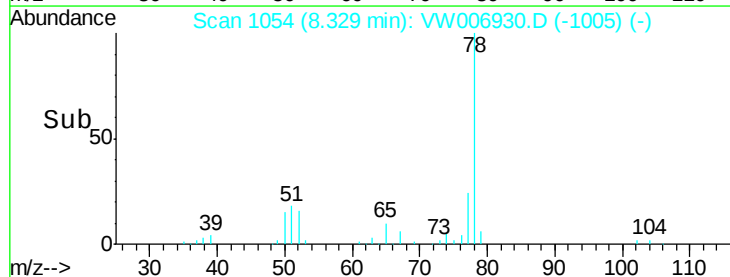
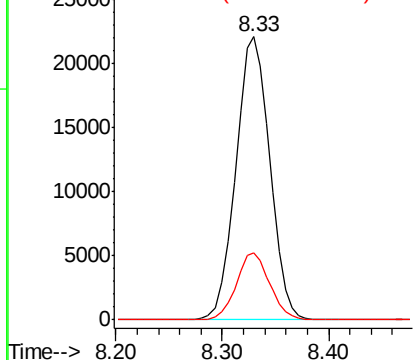


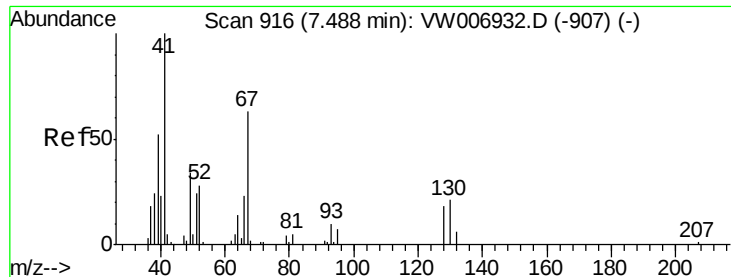
#40
Benzene
Concen: 10.35 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW



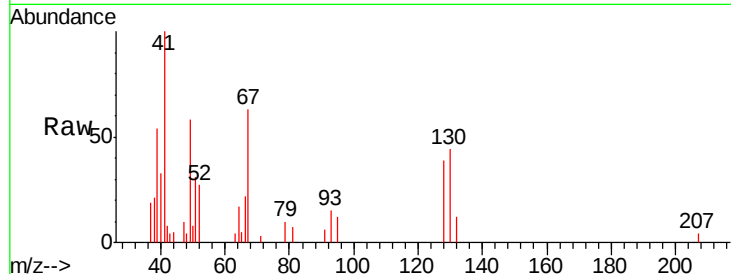


#41
Methacrylonitrile
Concen: 12.86 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

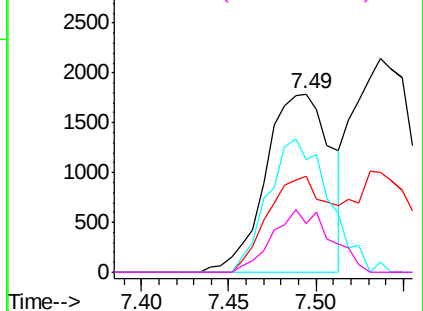
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
41	100		
39	51.0	41.8	62.6
67	69.9	54.7	82.1
52	31.2	23.8	35.8

Manual Integrations
APPROVED

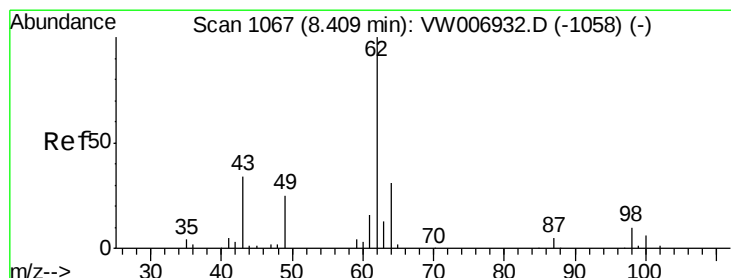
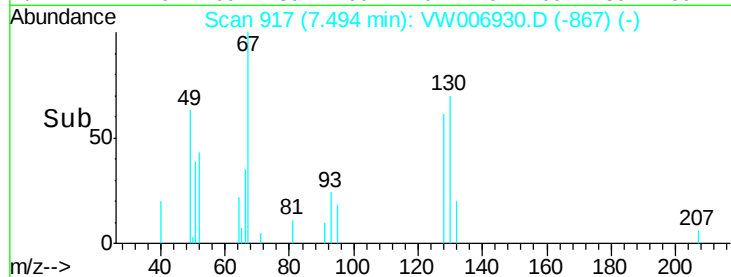


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



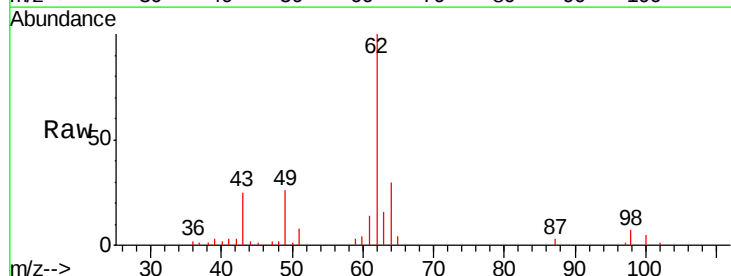
apatel

11/19/2018 3:29:19 PM

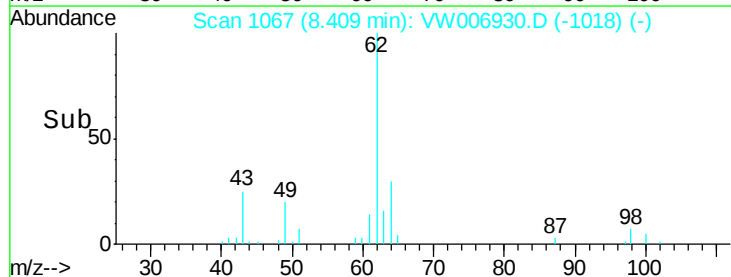
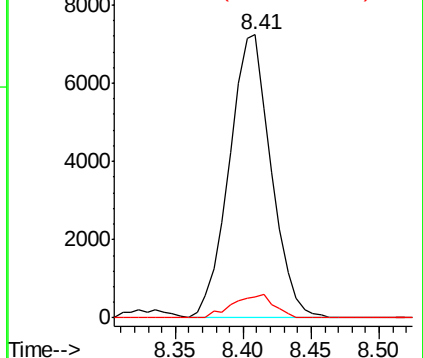


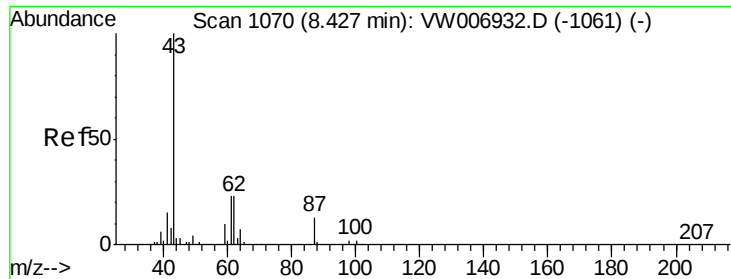
#42
1,2-Dichloroethane
Concen: 11.89 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 12.18 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

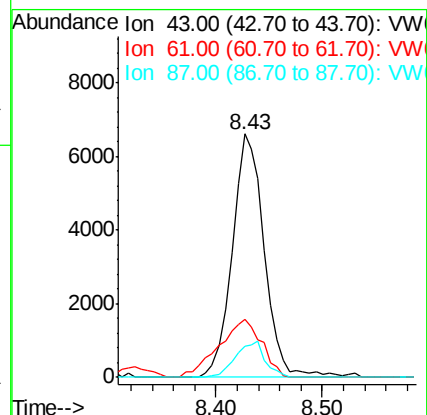
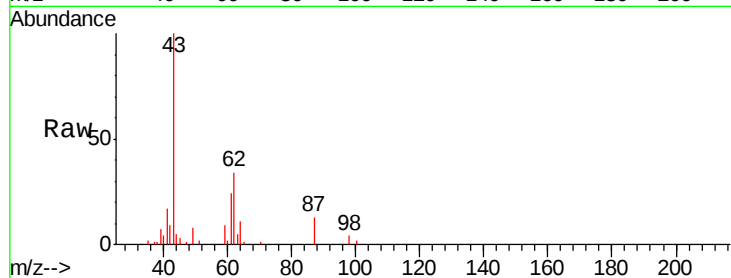
MSVOA_W

ClientSampleId :

VSTDIC010

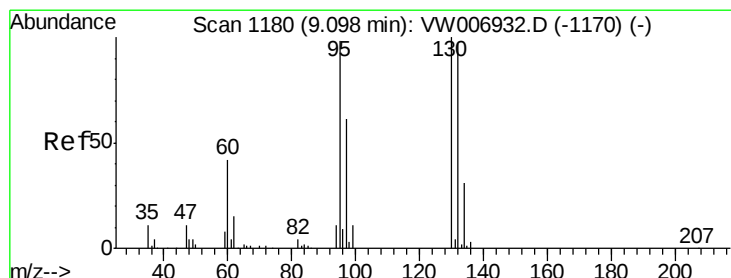
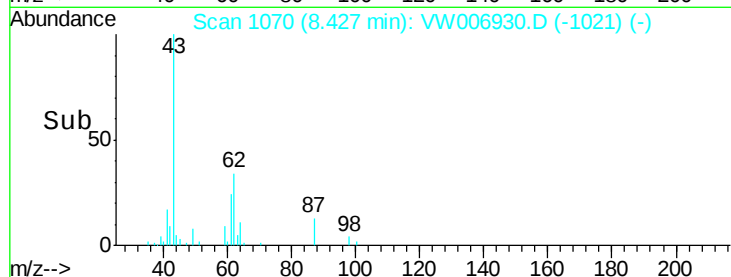
Tgt Ion:	43	Resp:	13891
Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.6	37.0
87	13.7	11.0	16.6

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#44

Trichloroethene

Concen: 8.93 ug/l

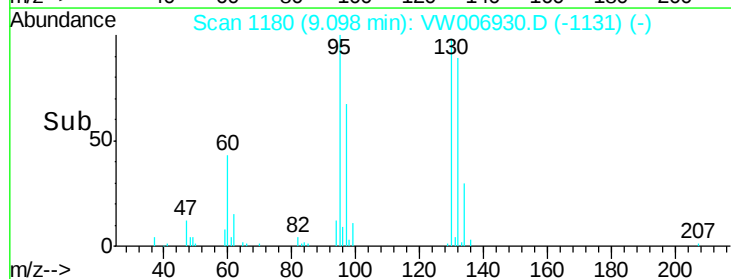
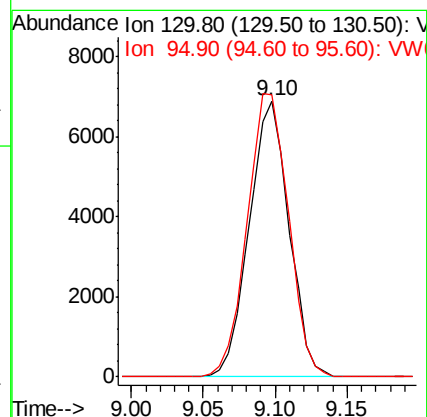
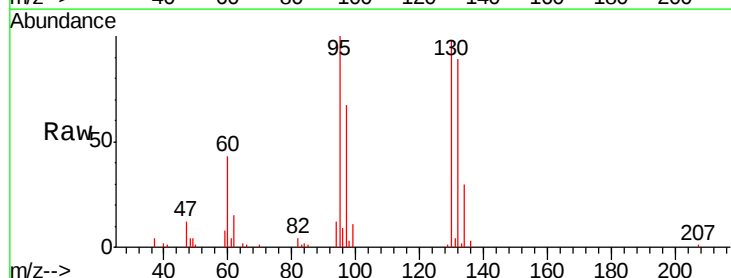
RT: 9.10 min Scan# 1180

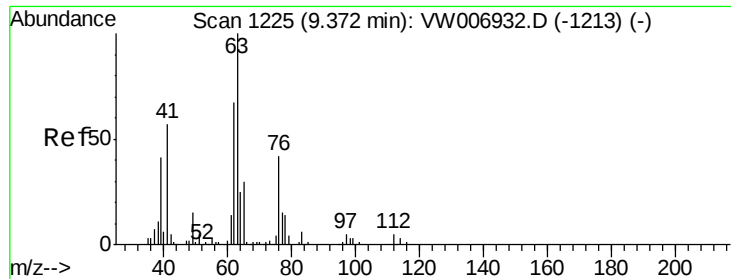
Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	130	Resp:	13180
Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	196.4





#45

1,2-Dichloropropane

Concen: 11.07 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 12499

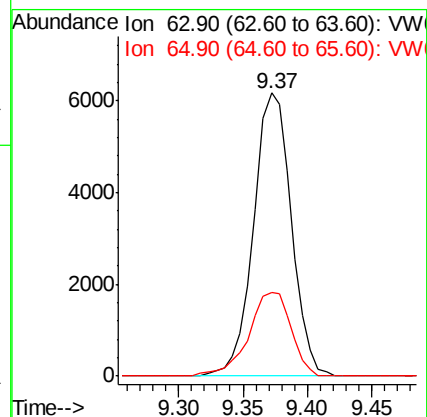
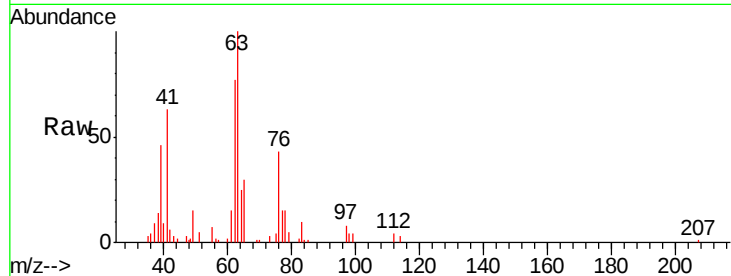
Ion Ratio Lower Upper

63 100

65 29.8 23.9 35.9

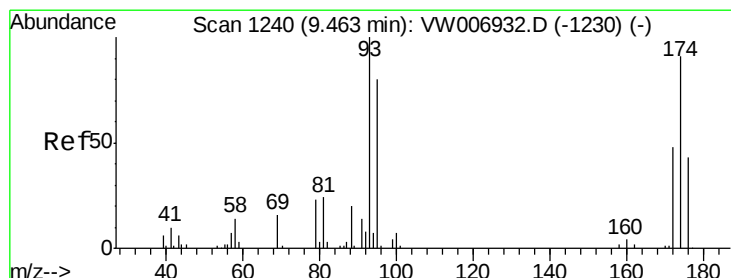
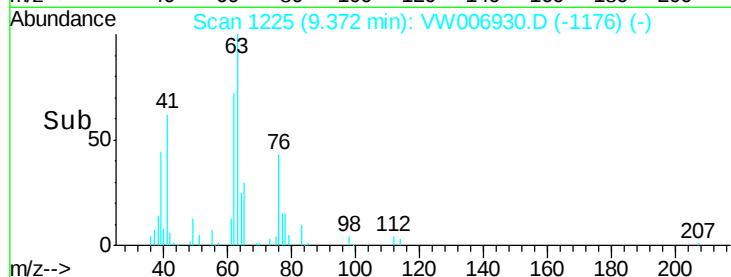
Manual Integrations

APPROVED



apatel

11/19/2018 3:29:19 PM



#46

Dibromomethane

Concen: 10.36 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

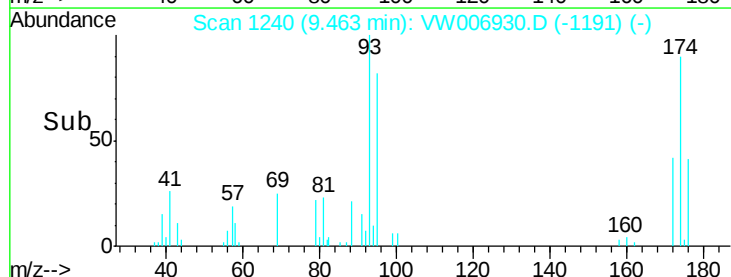
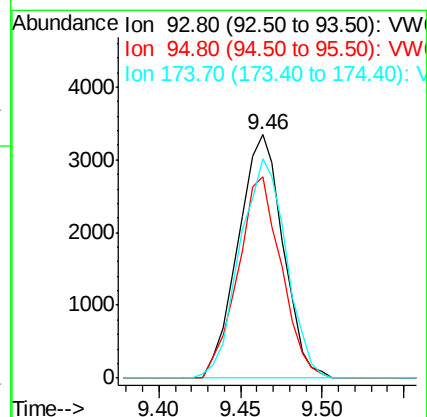
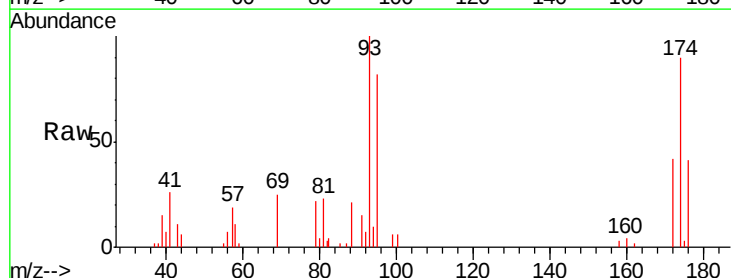
Tgt Ion: 93 Resp: 6416

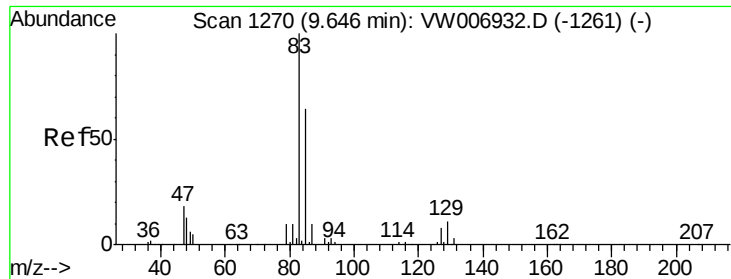
Ion Ratio Lower Upper

93 100

95 79.9 65.7 98.5

174 93.0 75.0 112.4





#47

Bromodichloromethane

Concen: 10.92 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

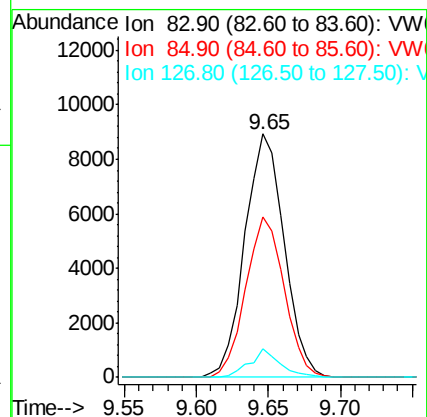
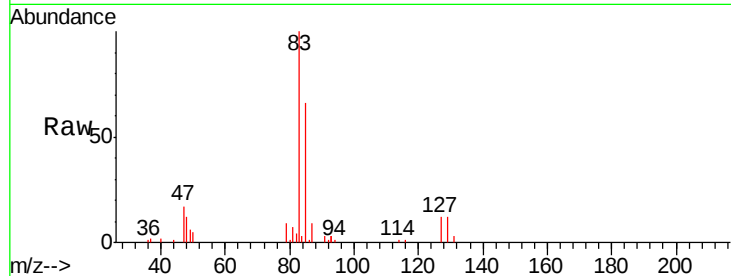
MSVOA_W

ClientSampleId :

VSTDIC010

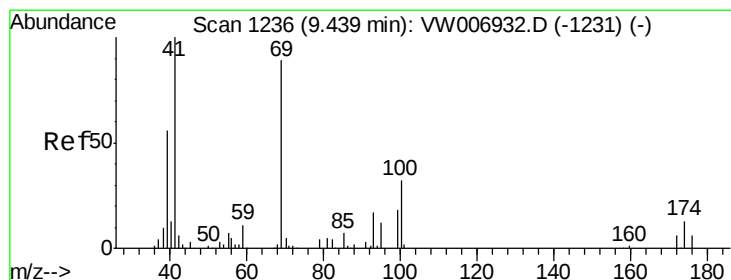
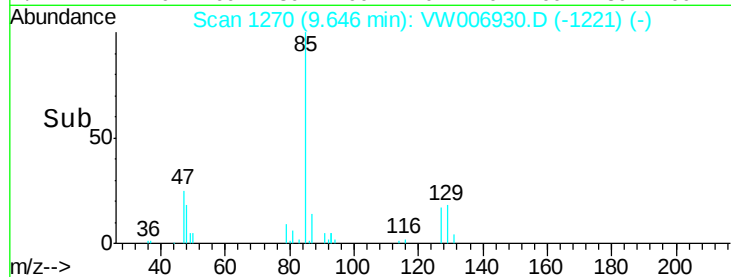
Tgt Ion:	83	Resp:	16906
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.8	76.2
127	11.5	6.6	10.0#

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#48

Methyl methacrylate

Concen: 12.43 ug/l

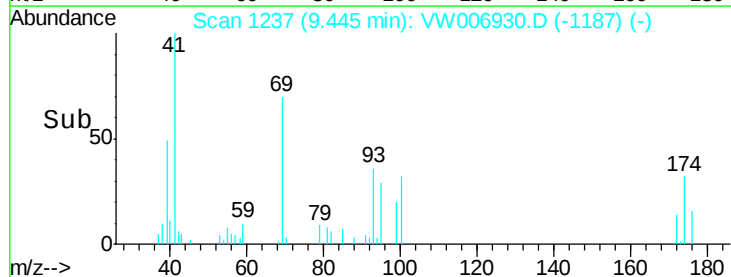
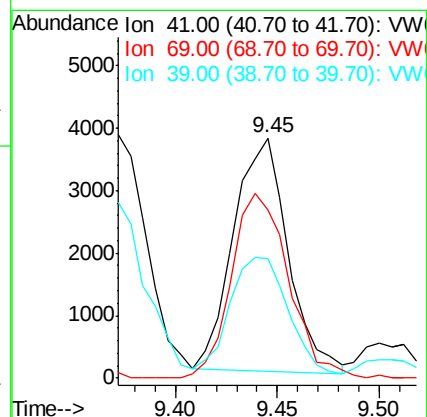
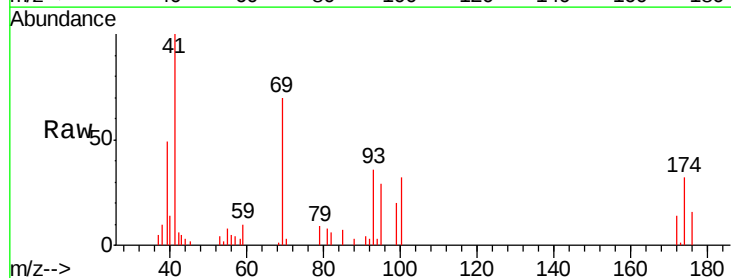
RT: 9.45 min Scan# 1237

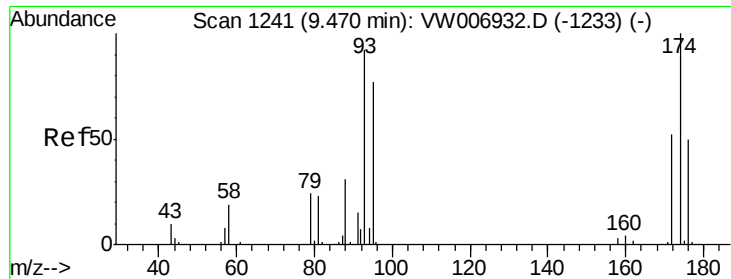
Delta R.T. 0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	41	Resp:	6900
Ion Ratio	Lower	Upper	
41	100		
69	84.0	73.4	110.0
39	57.7	46.1	69.1



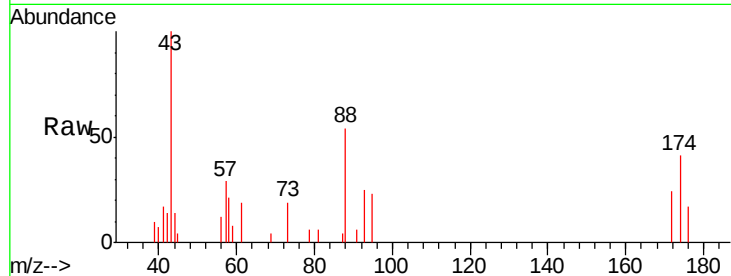


#49
1,4-Dioxane
Concen: 225.29 ug/l
RT: 9.49 min Scan# 1244
Delta R.T. 0.02 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

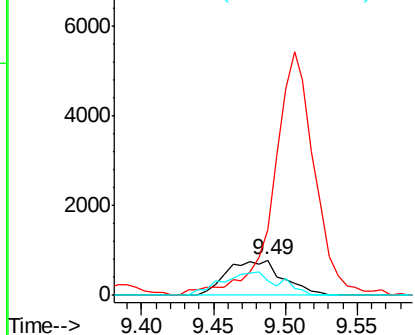
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	67.2	57.4	86.2

Manual Integrations
APPROVED

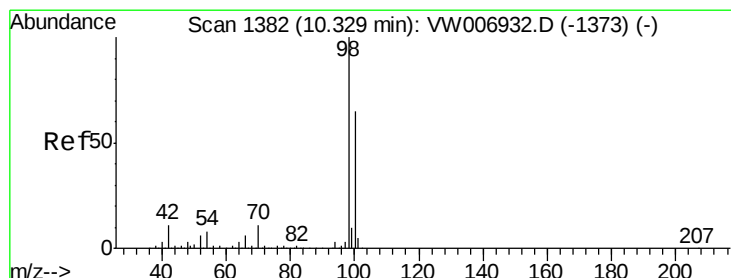
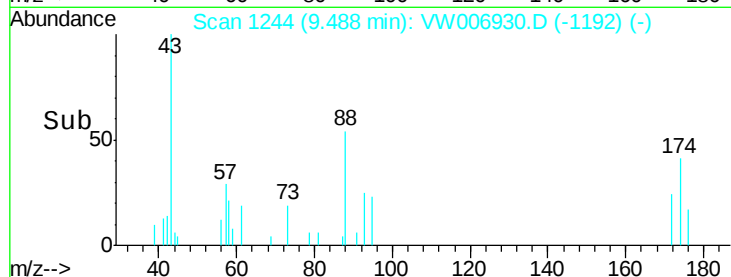


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



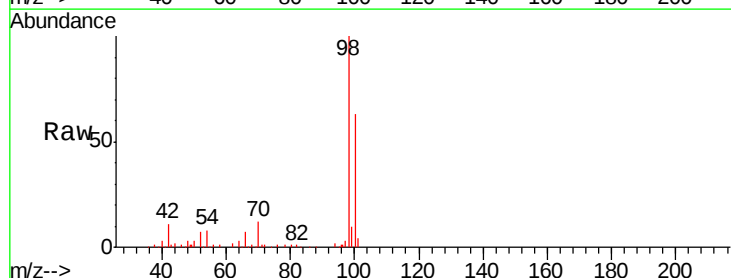
apatel

11/19/2018 3:29:19 PM

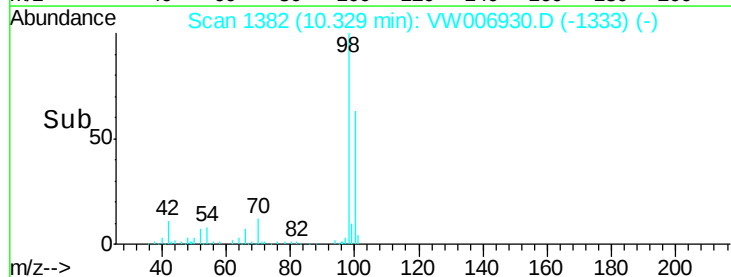
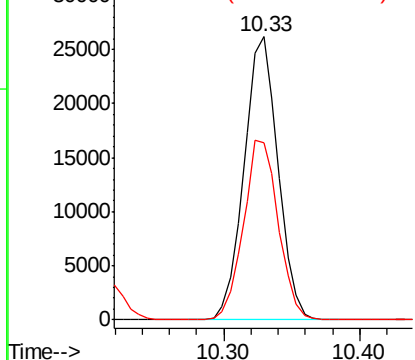


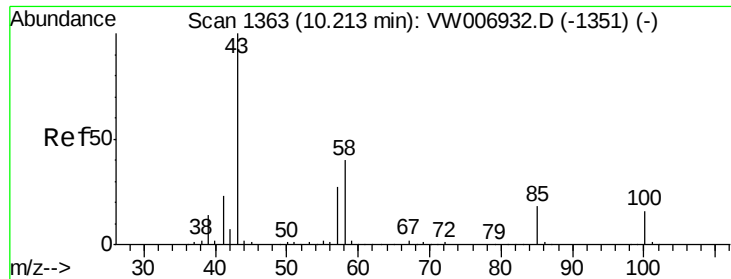
#50
Toluene-d8
Concen: 9.94 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5



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: 62.20 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tgt Ion: 43 Resp: 35450

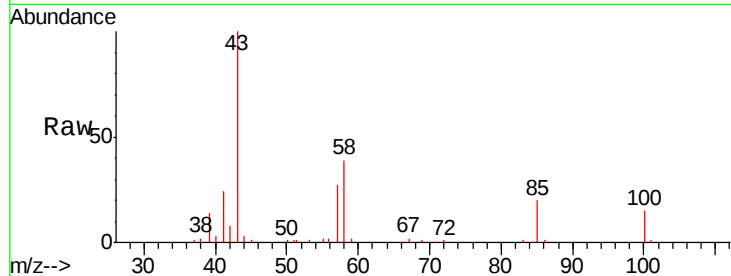
Ion Ratio Lower Upper

43 100

58 38.3 31.0 46.4

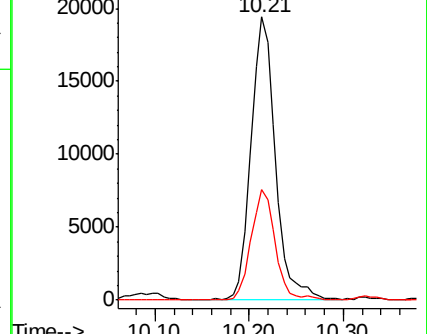
Manual Integrations

APPROVED



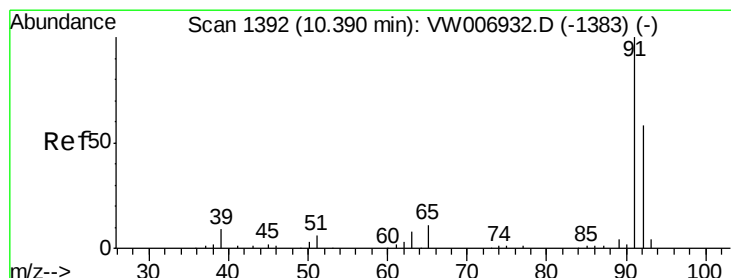
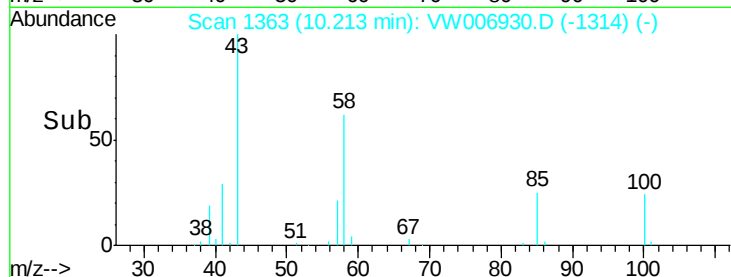
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



apatel

11/19/2018 3:29:19 PM



#52

Toluene

Concen: 10.37 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006930.D

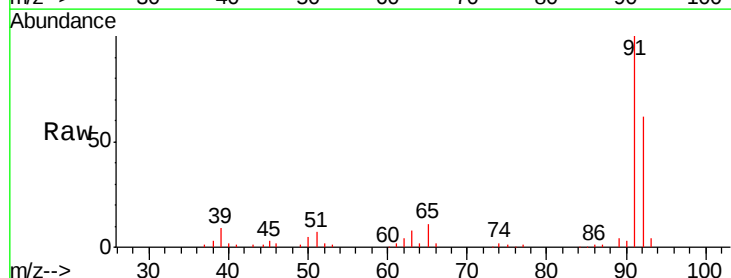
Acq: 16 Nov 2018 23:19

Tgt Ion: 92 Resp: 34845

Ion Ratio Lower Upper

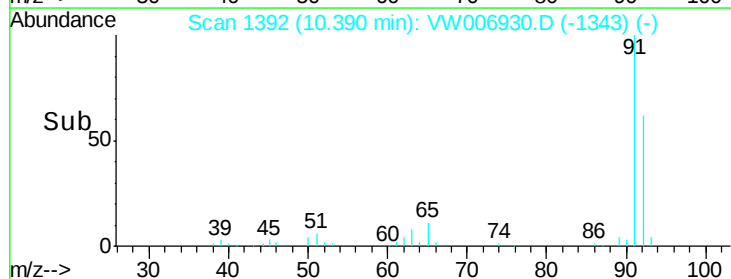
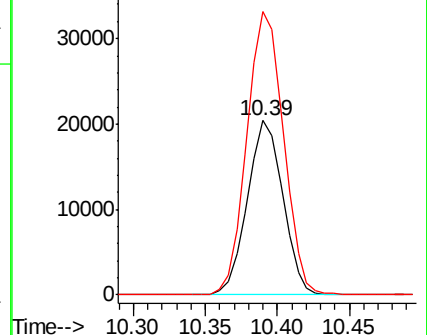
92 100

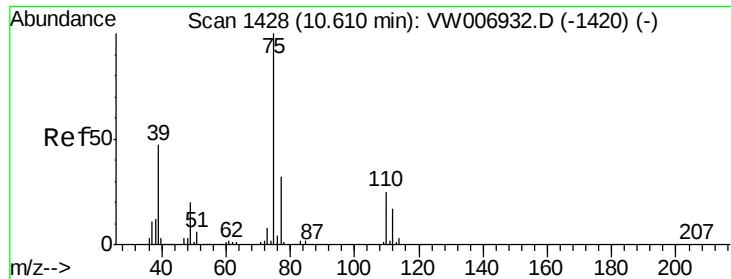
91 167.5 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



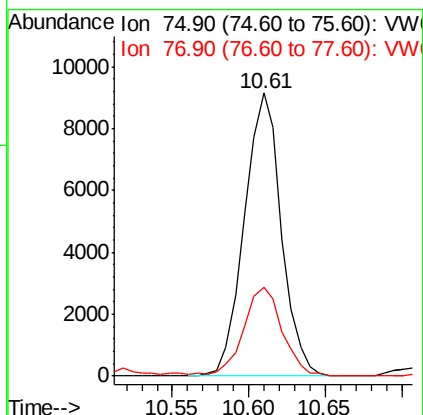
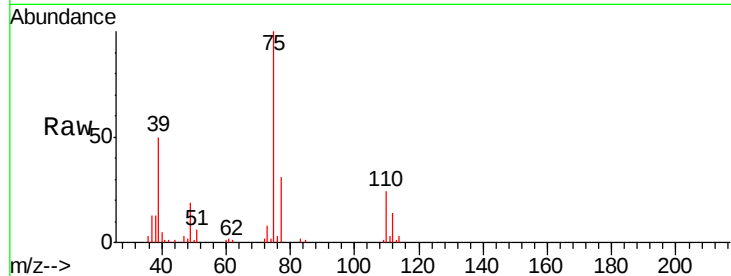


#53
 t-1,3-Dichloropropene
 Concen: 10.04 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

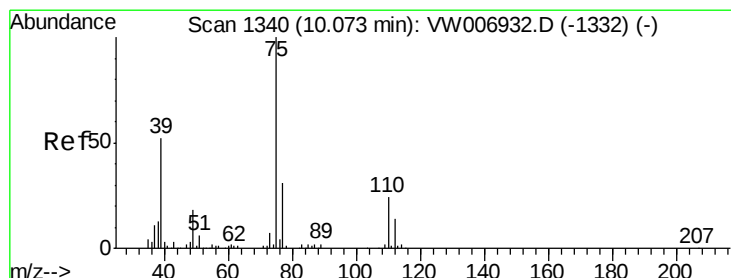
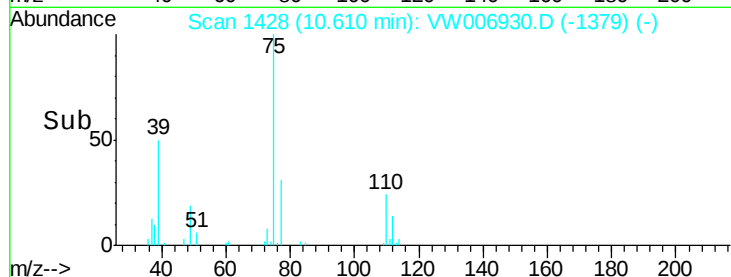
Tgt Ion: 75 Resp: 15304
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8

Manual Integrations
 APPROVED



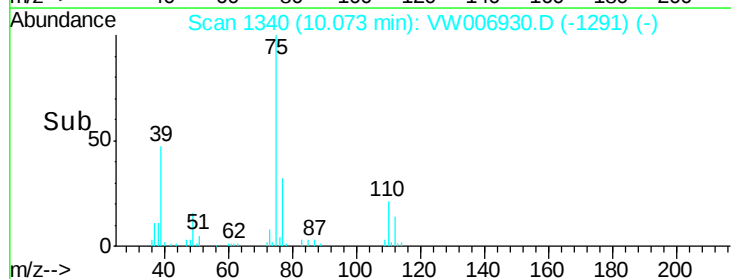
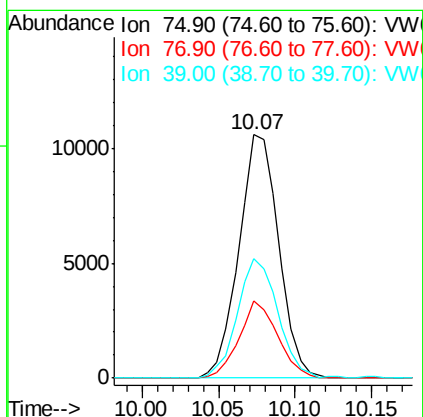
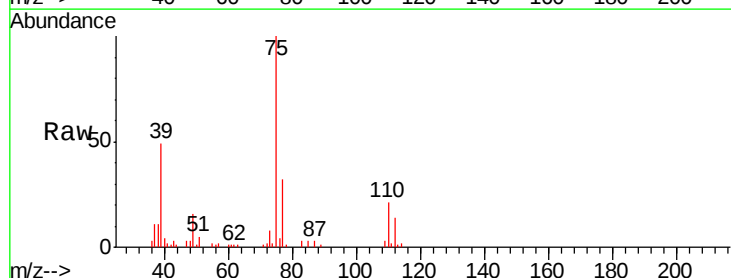
apatel

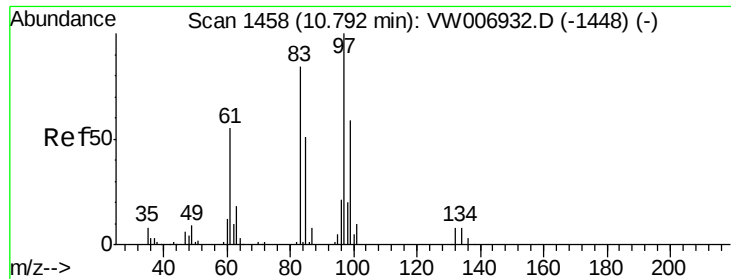
11/19/2018 3:29:19 PM



#54
 cis-1,3-Dichloropropene
 Concen: 10.56 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion: 75 Resp: 19114
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.6 37.0
 39 48.9 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 10.15 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

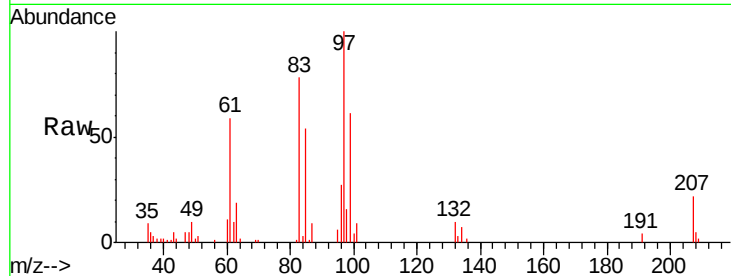
MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:	97	Resp:	9331
Ion	Ratio	Lower	Upper
97	100		
83	78.3	67.5	101.3
85	53.7	41.0	61.6
99	61.4	47.4	71.2

Manual Integrations
APPROVED



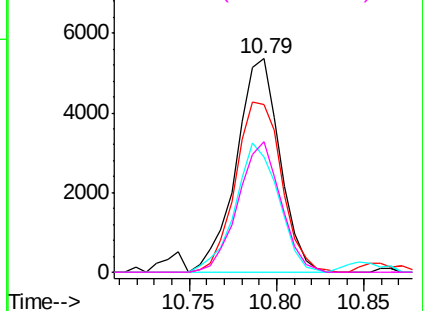
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

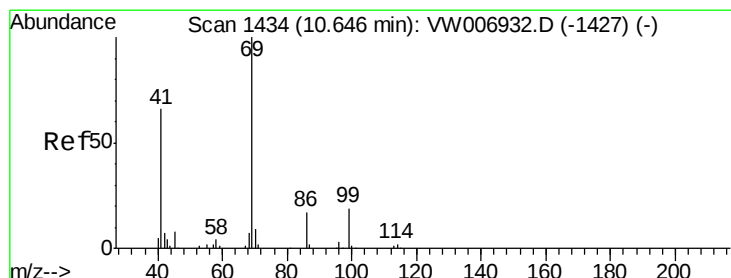
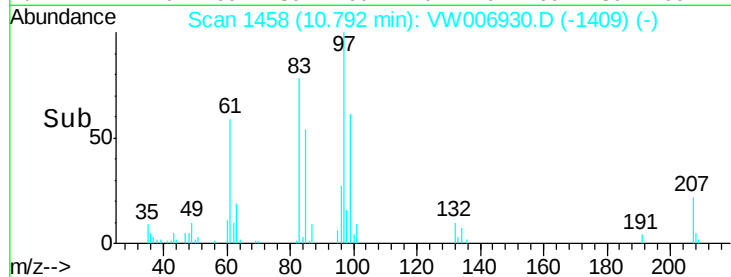
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



apatel

11/19/2018 3:29:19 PM



#56

Ethyl methacrylate

Concen: 10.77 ug/l

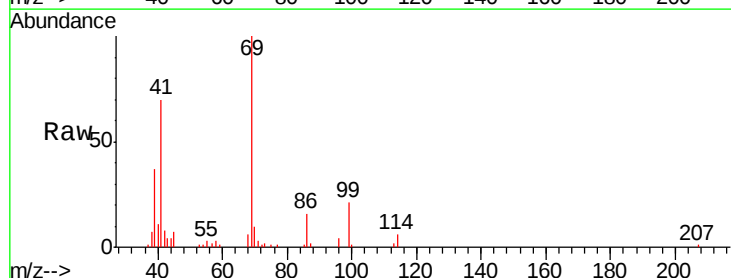
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	69	Resp:	11061
Ion	Ratio	Lower	Upper
69	100		
41	68.0	53.8	80.6
39	33.7	29.0	43.6

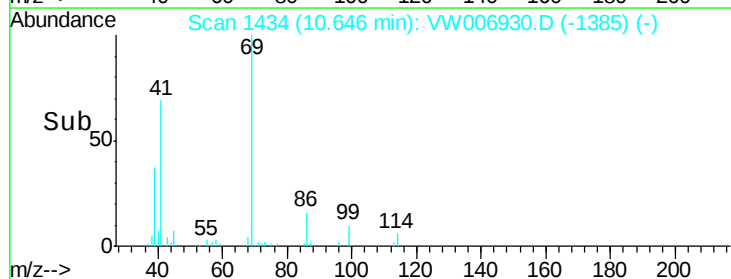
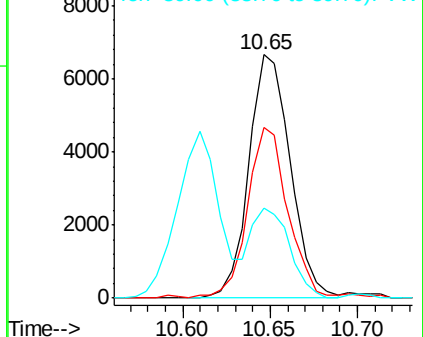


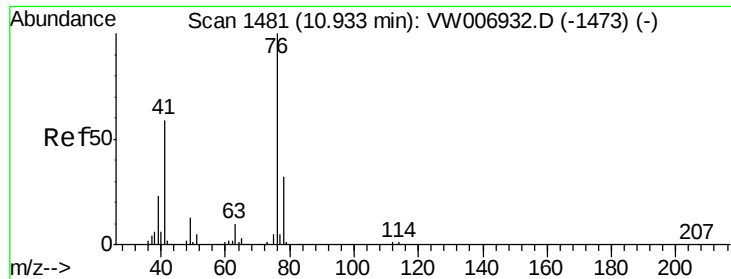
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



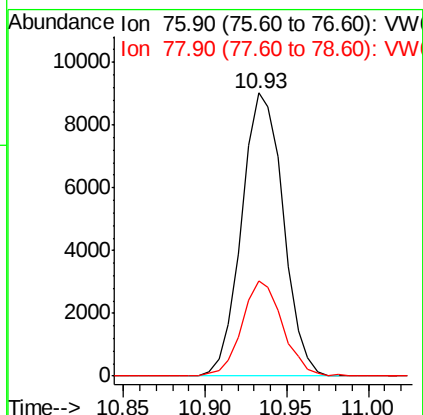
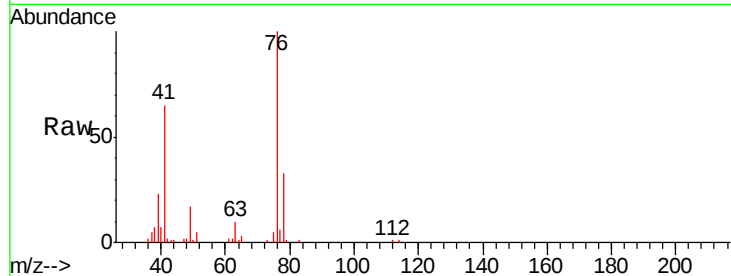


#57
 1,3-Dichloropropane
 Concen: 10.90 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

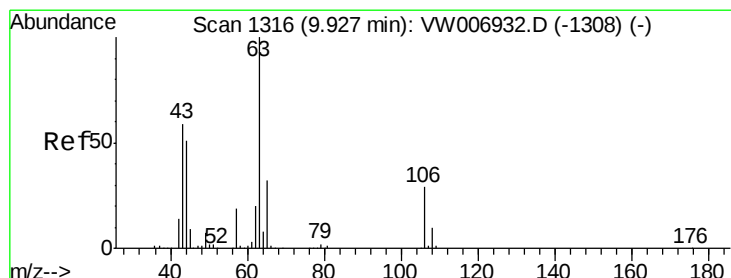
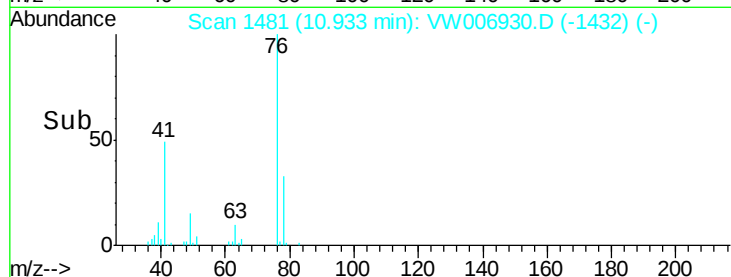
Tgt Ion: 76 Resp: 16041
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.0 39.0

Manual Integrations
 APPROVED



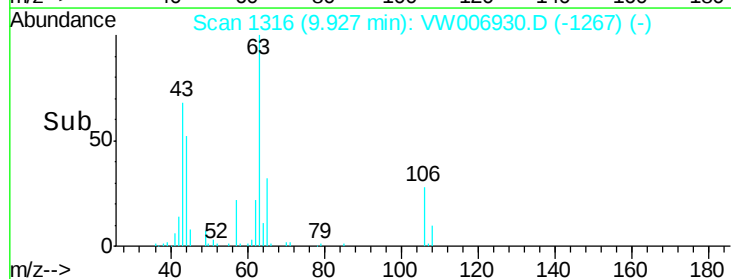
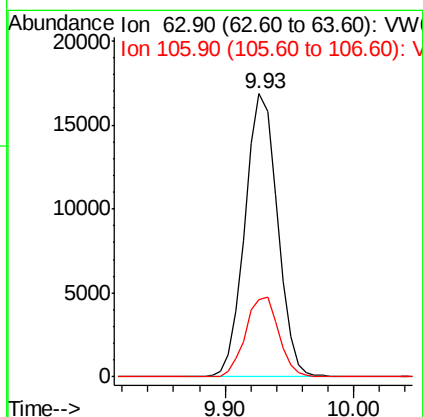
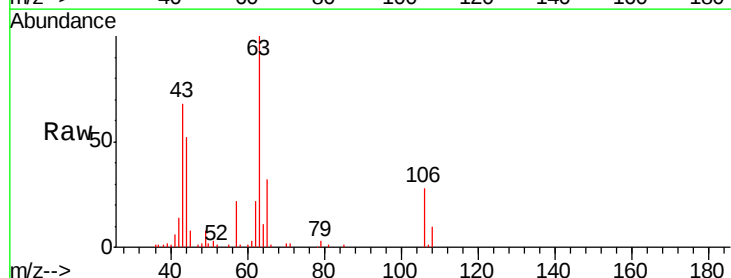
apatel

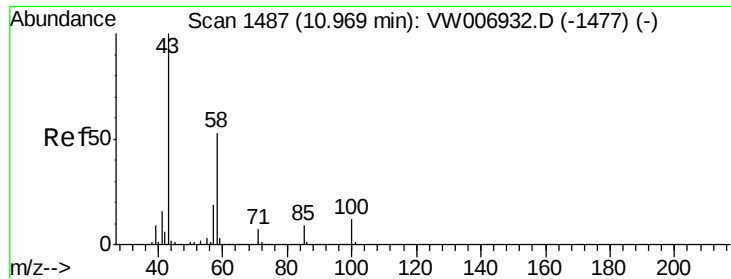
11/19/2018 3:29:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 58.23 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion: 63 Resp: 29446
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.6 33.8



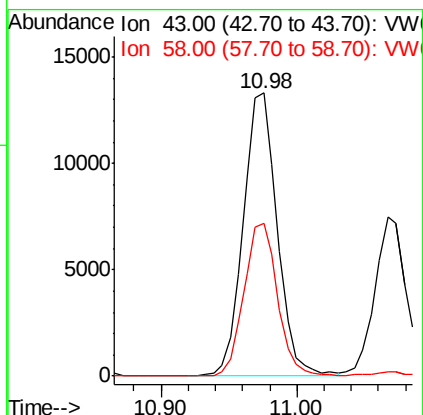
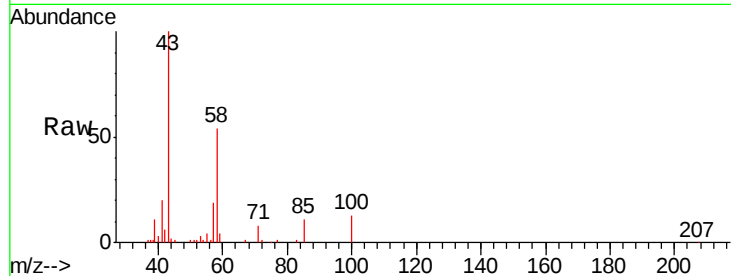


#59
2-Hexanone
Concen: 59.63 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

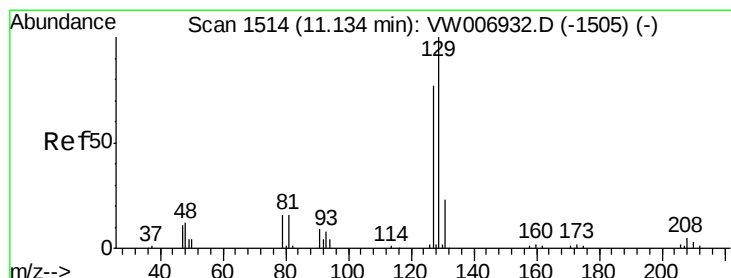
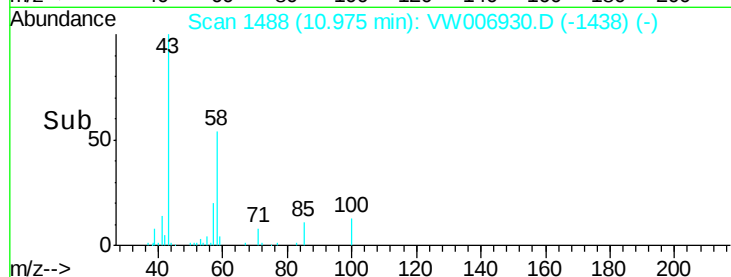
Tgt Ion: 43 Resp: 23312
Ion Ratio Lower Upper
43 100
58 53.0 26.8 80.4

Manual Integrations
APPROVED



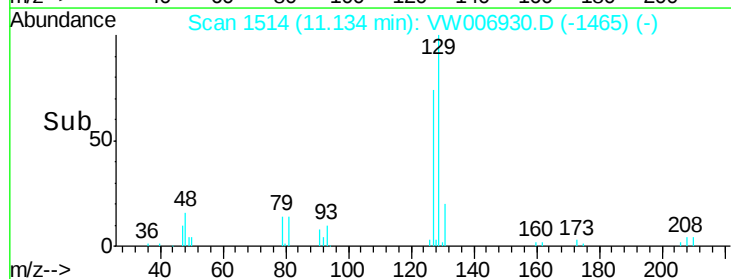
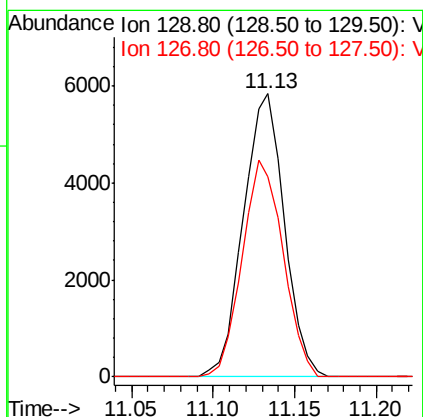
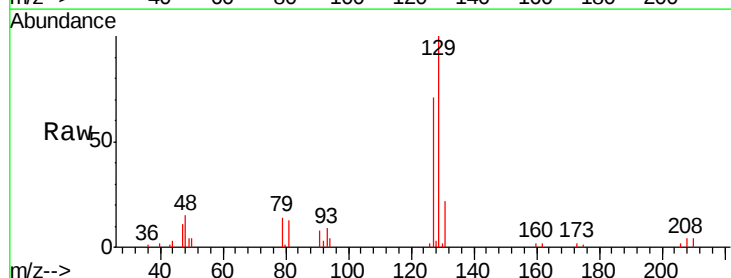
apatel

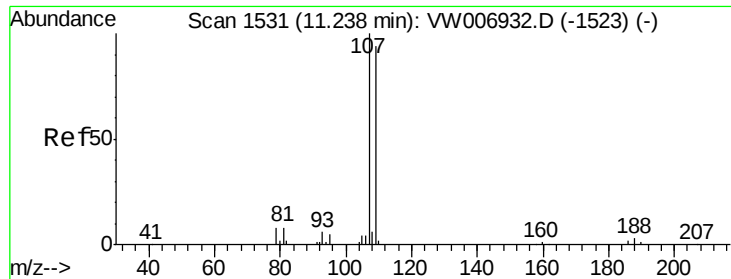
11/19/2018 3:29:19 PM



#60
Dibromochloromethane
Concen: 9.18 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion: 129 Resp: 10209
Ion Ratio Lower Upper
129 100
127 76.5 38.1 114.3



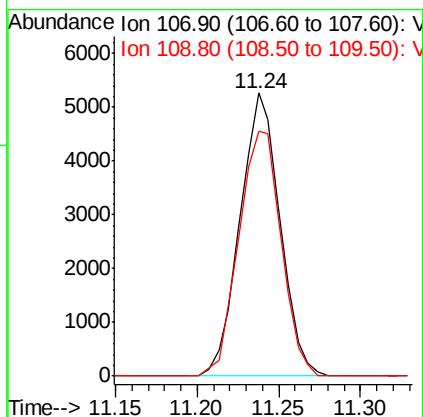
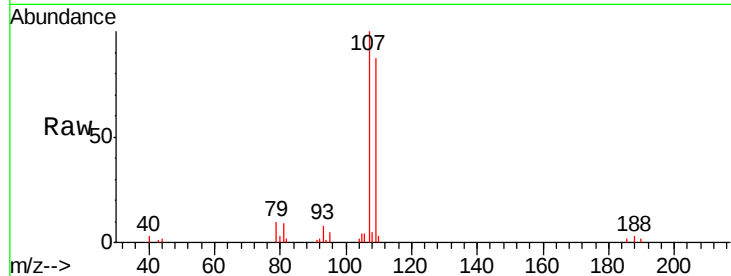


#61
 1,2-Dibromoethane
 Concen: 10.33 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

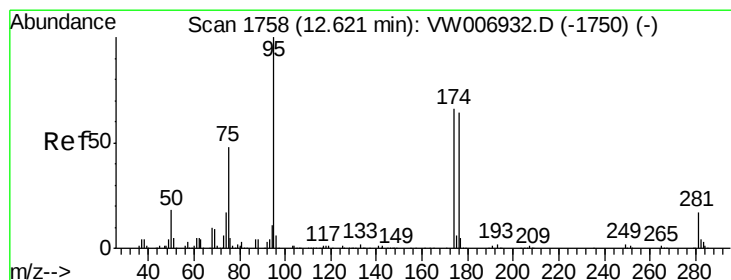
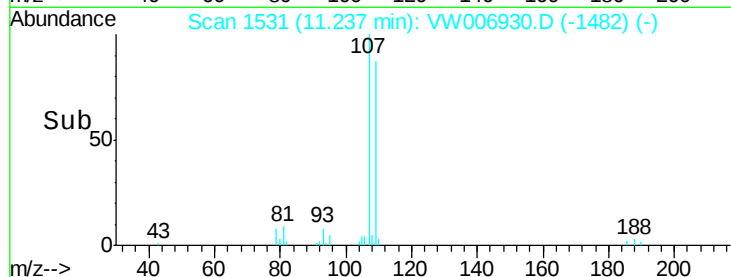
Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.5	113.3

Manual Integrations
 APPROVED



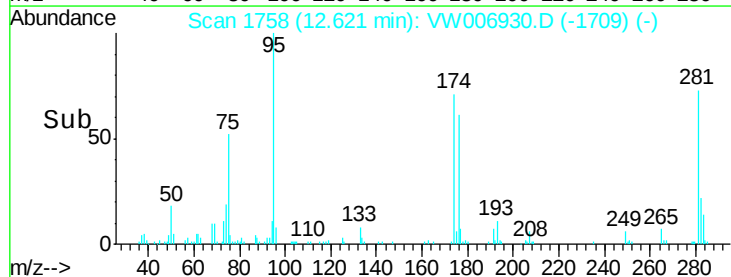
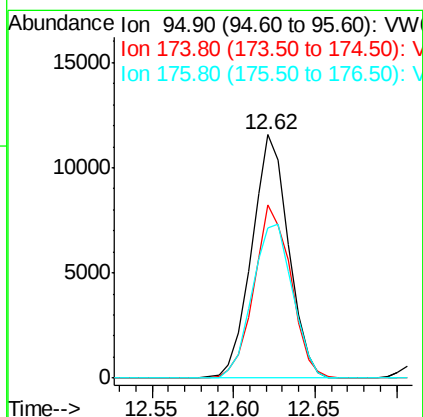
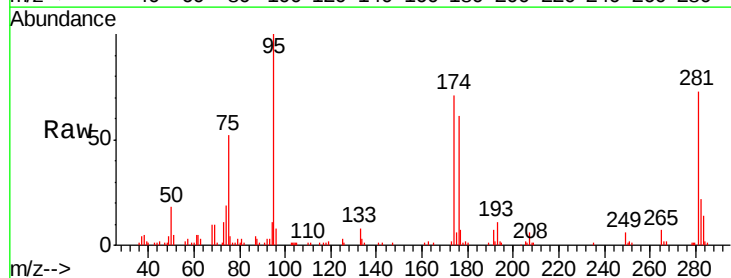
apatel

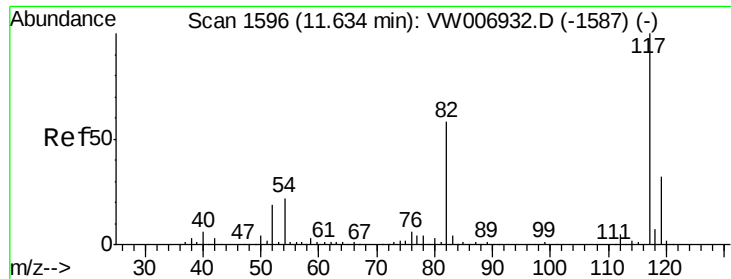
11/19/2018 3:29:19 PM



#62
 4-Bromofluorobenzene
 Concen: 10.58 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.1	0.0	138.4
176	68.8	0.0	133.4



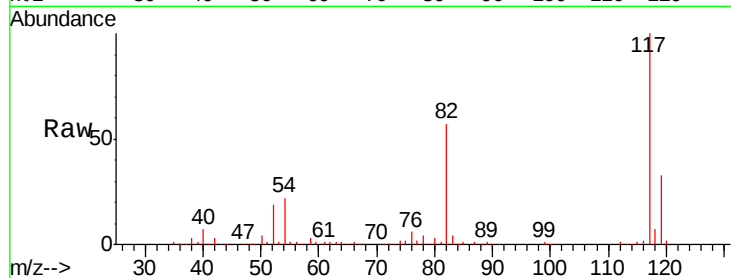


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

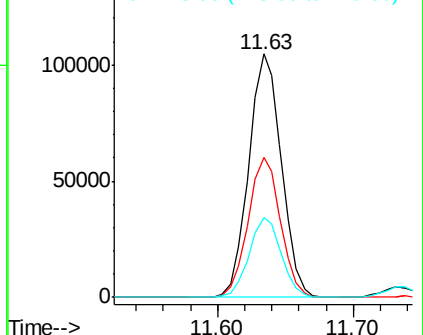
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.2	69.2
119	32.9	25.5	38.3

Manual Integrations
APPROVED

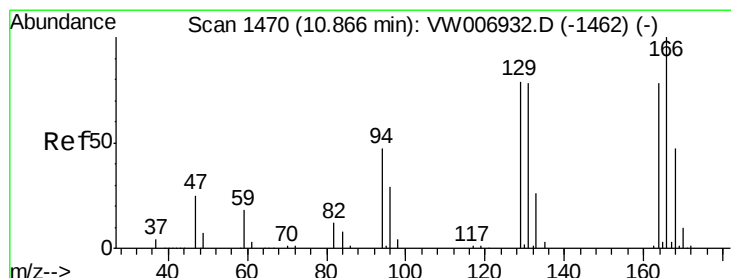
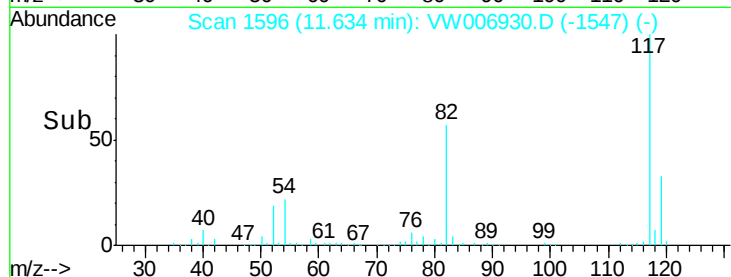


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V



apatel

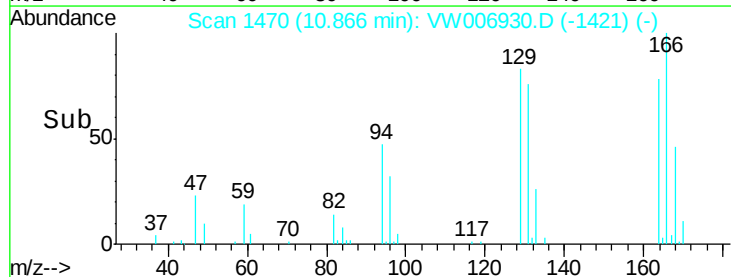
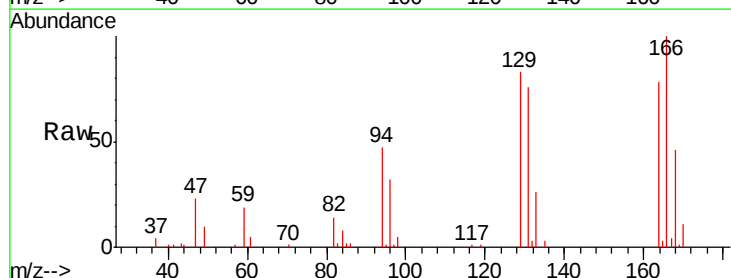
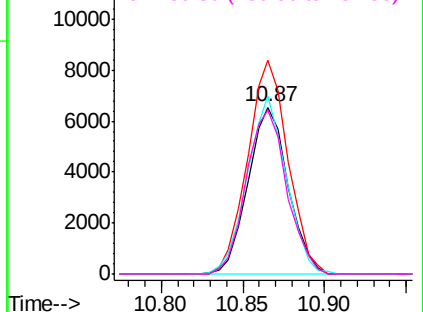
11/19/2018 3:29:19 PM

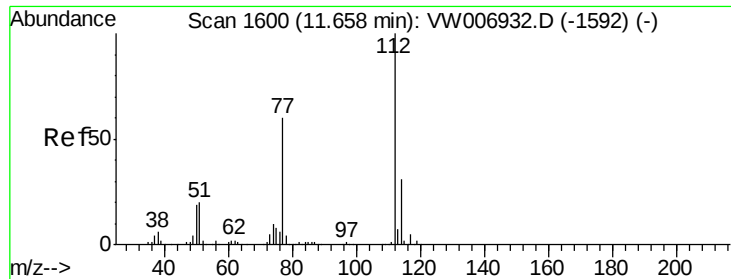


#64
Tetrachloroethene
Concen: 8.18 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.6	154.0
129	106.6	81.0	121.4
131	98.0	80.2	120.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



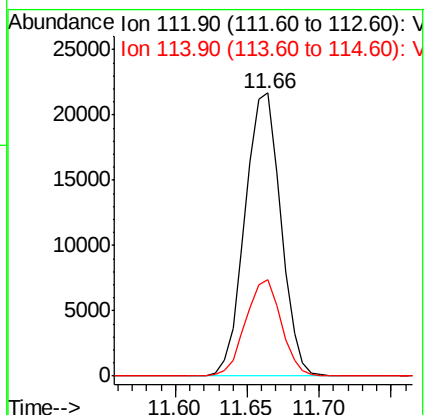
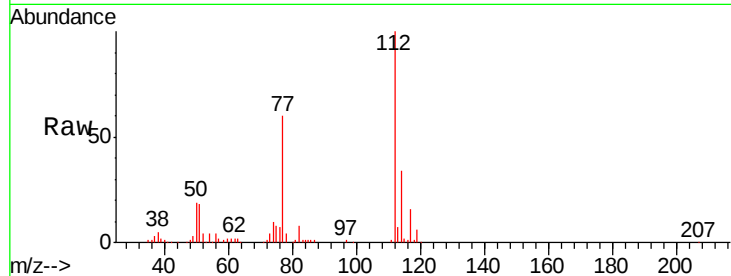


#65
Chlorobenzene
Concen: 9.65 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

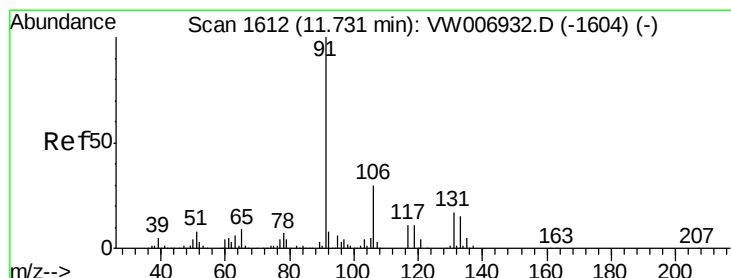
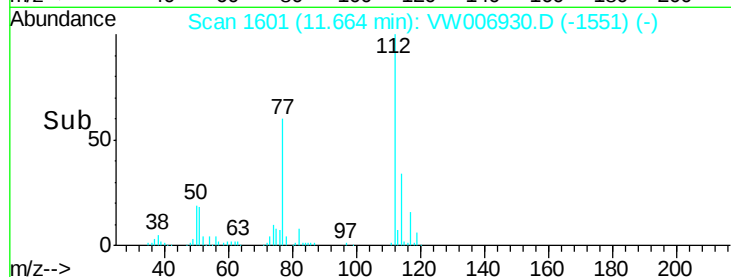
Tgt Ion:112 Resp: 37370
Ion Ratio Lower Upper
112 100
114 33.9 24.6 37.0

Manual Integrations
APPROVED



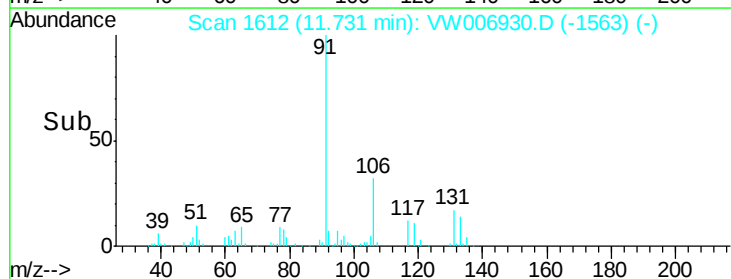
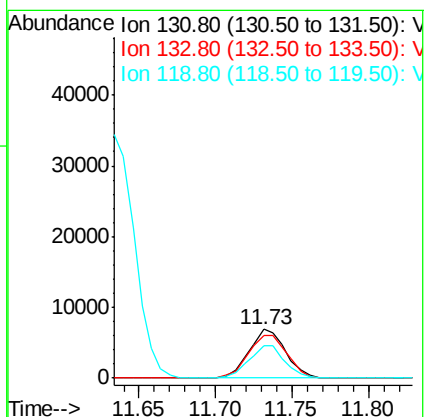
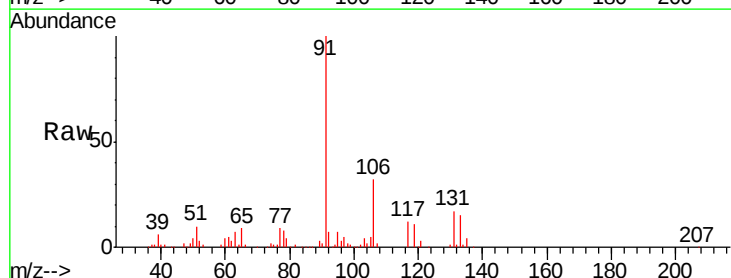
apatel

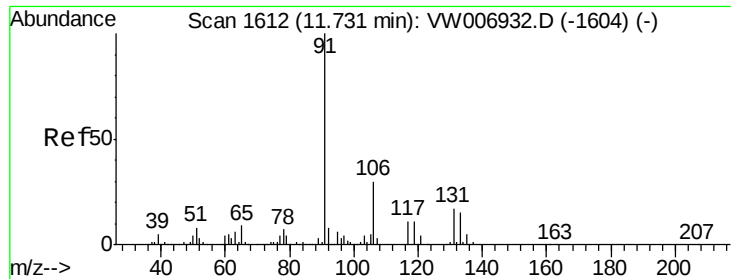
11/19/2018 3:29:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 9.18 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion:131 Resp: 11508
Ion Ratio Lower Upper
131 100
133 93.7 47.2 141.6
119 65.2 32.5 97.4



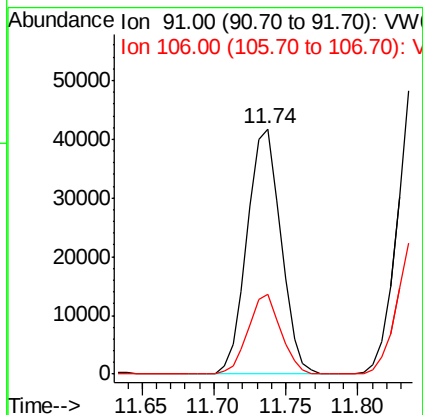
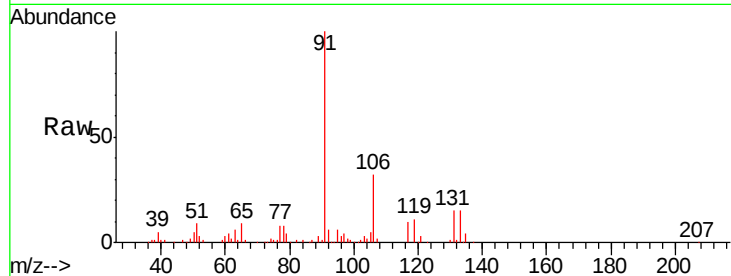


#67
Ethyl Benzene
Concen: 10.21 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

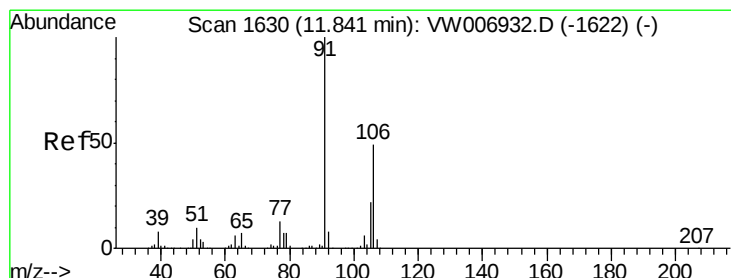
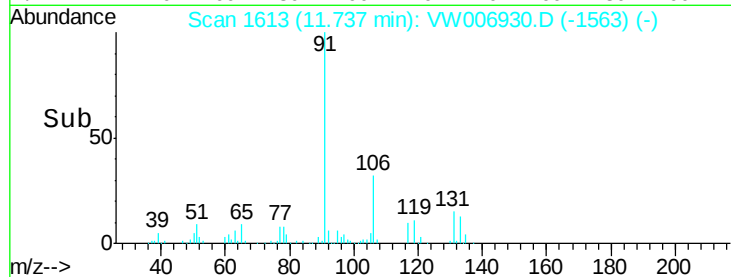
Tgt Ion: 91 Resp: 67881
Ion Ratio Lower Upper
91 100
106 32.3 24.0 36.0

Manual Integrations
APPROVED



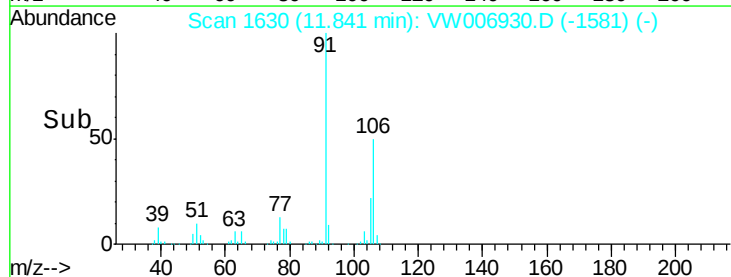
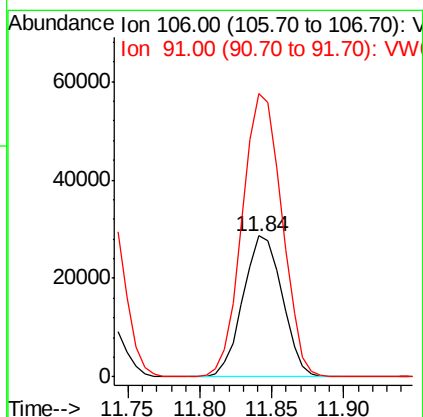
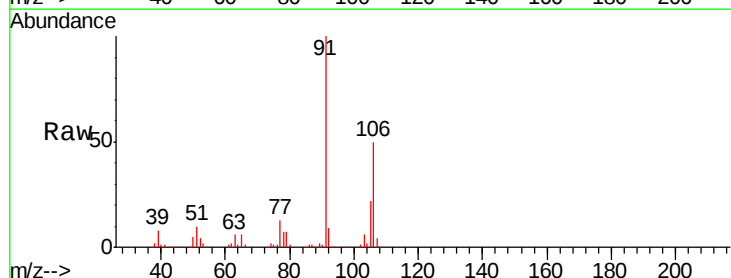
apatel

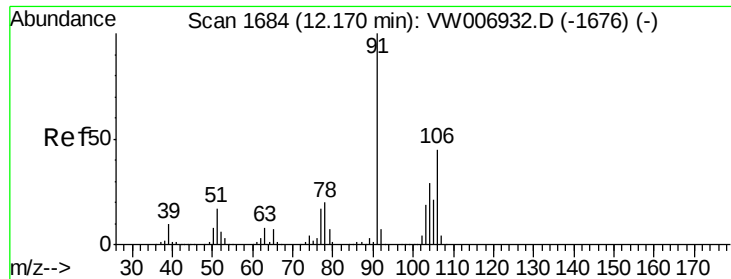
11/19/2018 3:29:19 PM



#68
m/p-Xylenes
Concen: 20.04 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion: 106 Resp: 54021
Ion Ratio Lower Upper
106 100
91 203.5 165.0 247.4



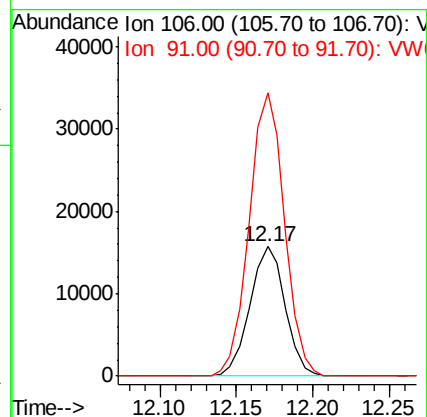
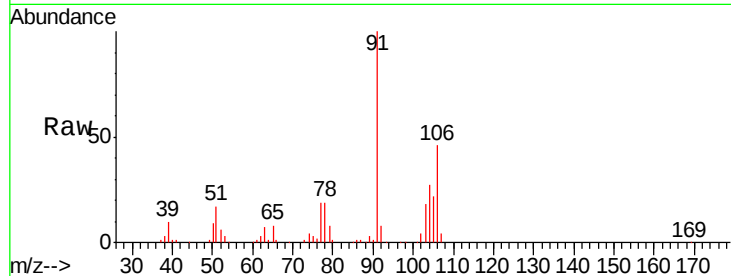


#69
o-Xylene
Concen: 9.99 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

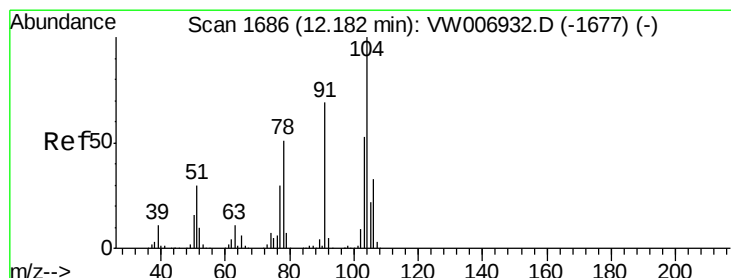
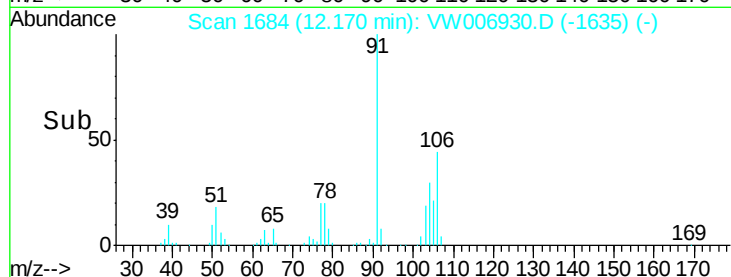
Tgt Ion:106 Resp: 25109
Ion Ratio Lower Upper
106 100
91 219.4 109.2 327.6

Manual Integrations
APPROVED



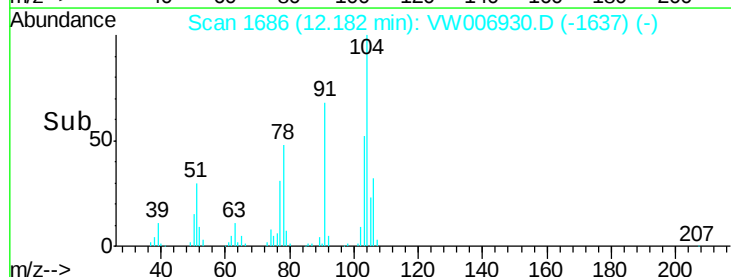
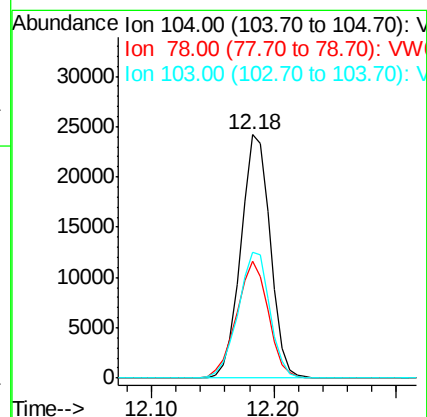
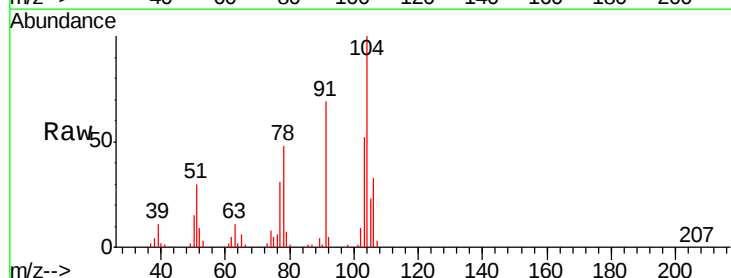
apatel

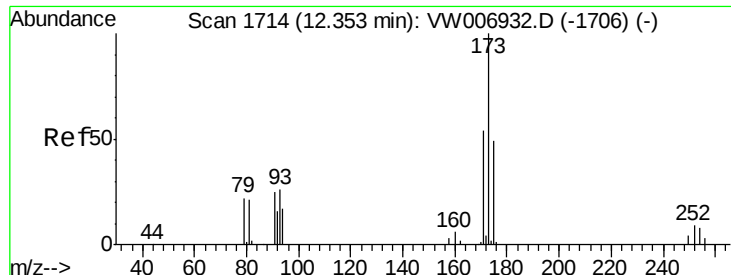
11/19/2018 3:29:19 PM



#70
Styrene
Concen: 9.97 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion:104 Resp: 40217
Ion Ratio Lower Upper
104 100
78 51.6 42.5 63.7
103 55.5 44.3 66.5



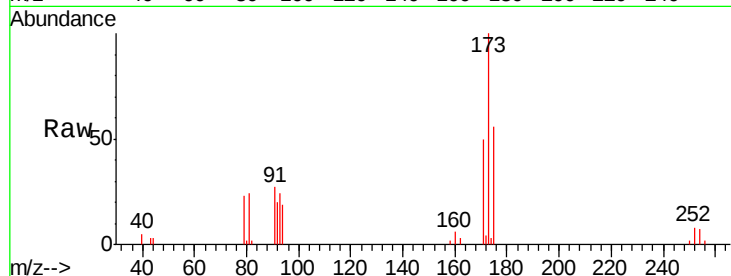


#71
Bromoform
Concen: 7.81 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

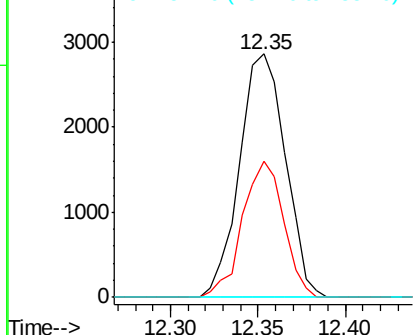
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

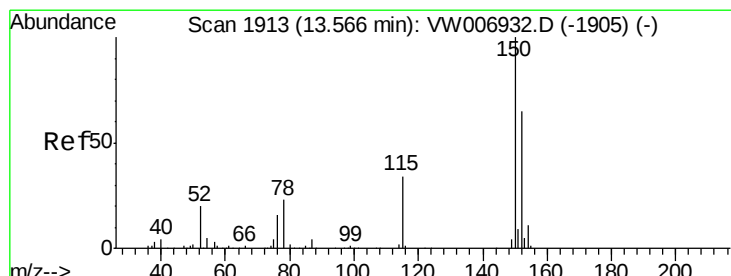
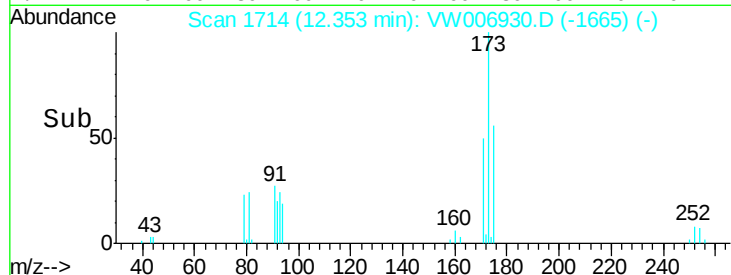


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



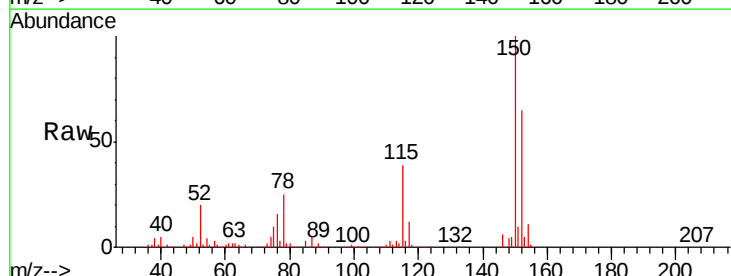
apatel

11/19/2018 3:29:19 PM

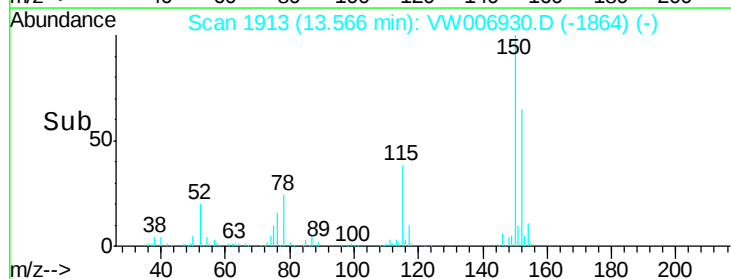
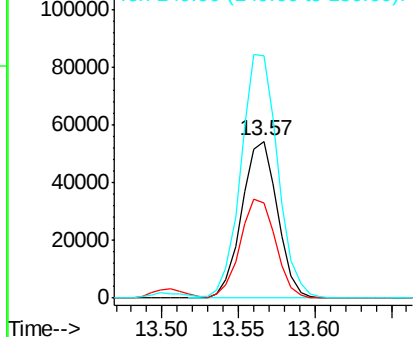


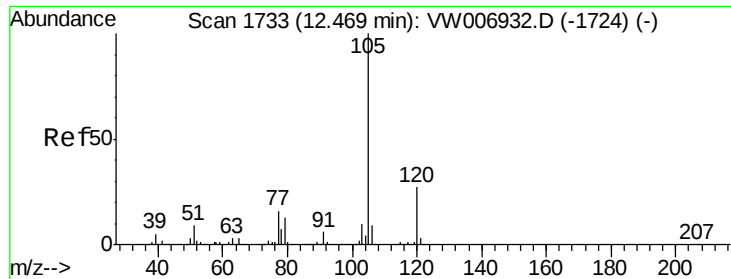
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	31.6	94.7
150	160.5	0.0	350.0



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: 10.79 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

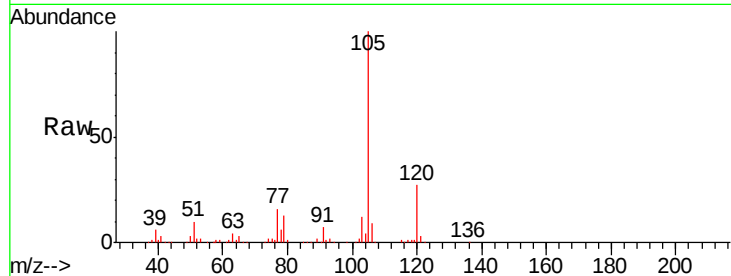
Tgt Ion: 105 Resp: 67288

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6

Manual Integrations
APPROVED



Abundance Ion 105.00 (104.70 to 105.70): V

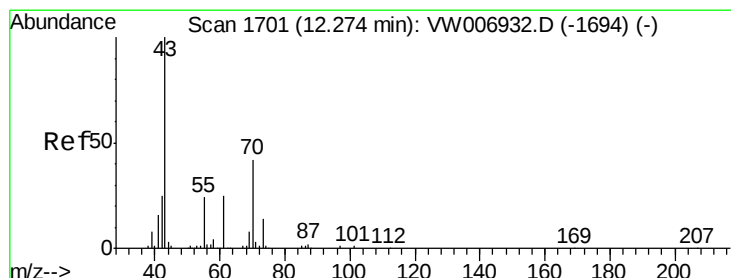
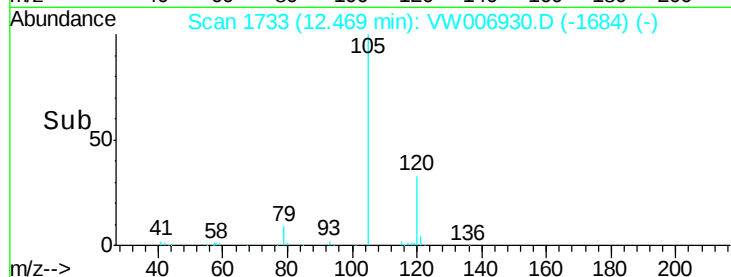
Ion 120.00 (119.70 to 120.70): V

12.47

Time-->

apatel

11/19/2018 3:29:19 PM



#74

N-ethyl acetate

Concen: 13.19 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion: 43 Resp: 13193

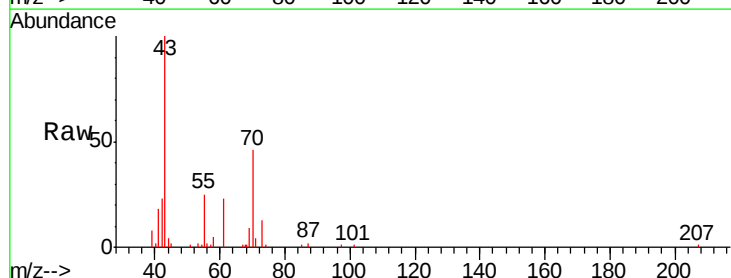
Ion Ratio Lower Upper

43 100

70 43.0 34.2 51.4

55 25.8 19.5 29.3

61 24.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

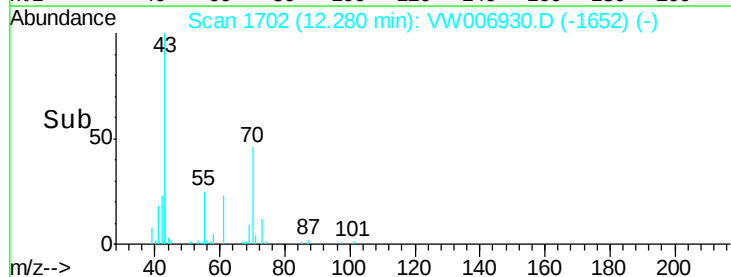
Ion 70.00 (69.70 to 70.70): VW

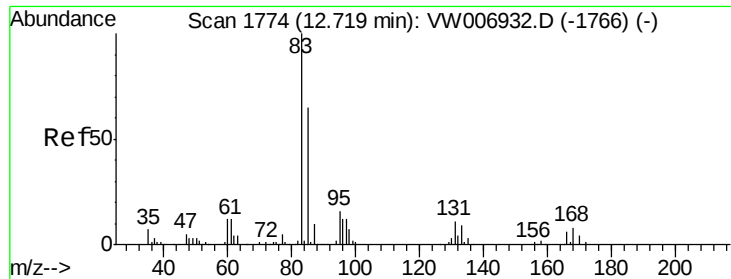
Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.28

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.02 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

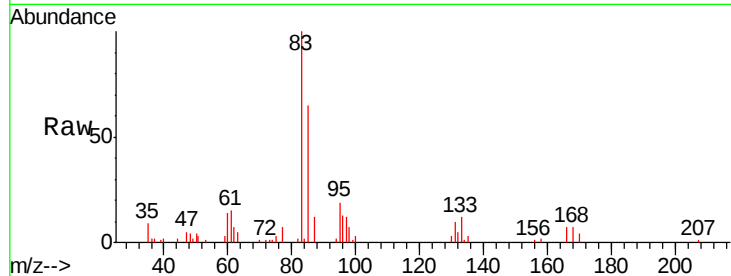
MSVOA_W

ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	9597
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.6	16.8
85	65.5	32.5	97.5

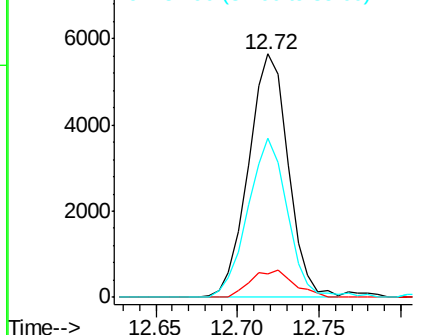
Manual Integrations
APPROVED



Abundance Ion 82.90 (82.60 to 83.60): VW

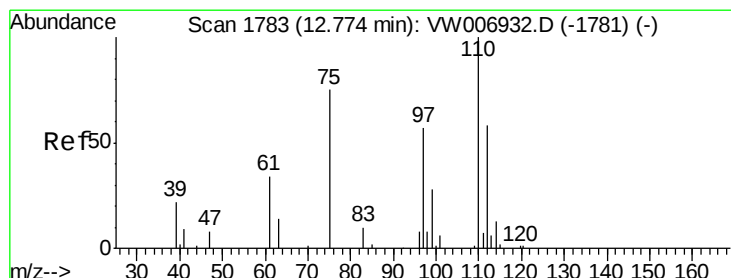
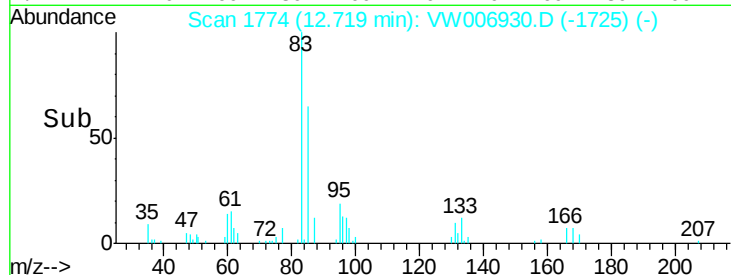
Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



apatel

11/19/2018 3:29:19 PM



#76

1,2,3-Trichloropropane

Concen: 9.84 ug/l m

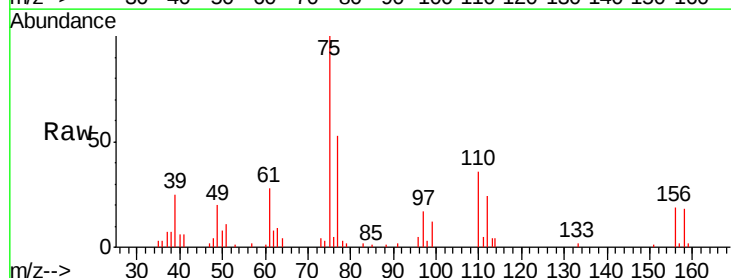
RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006930.D

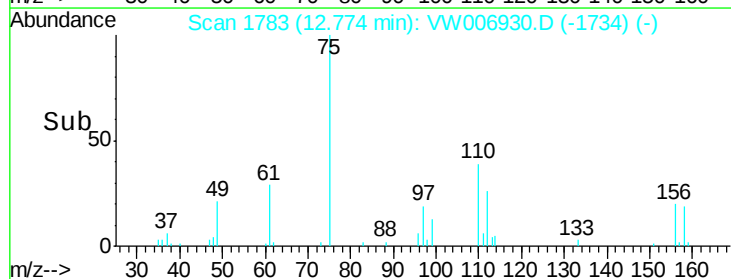
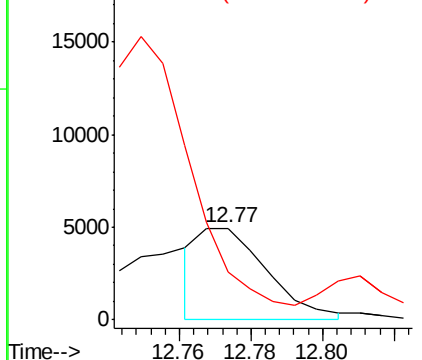
Acq: 16 Nov 2018 23:19

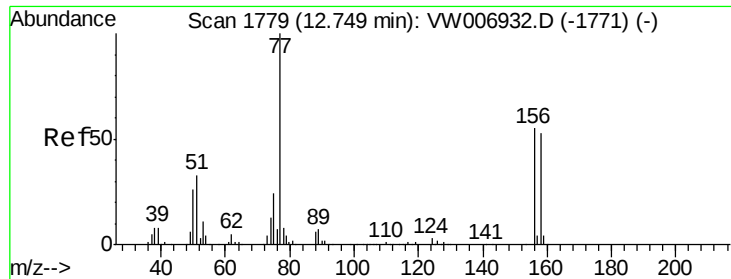
Tgt Ion:	75	Resp:	6539
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 9.30 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

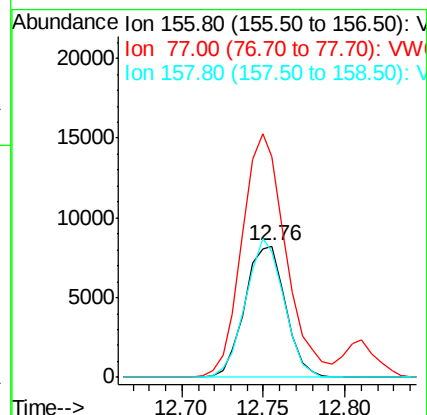
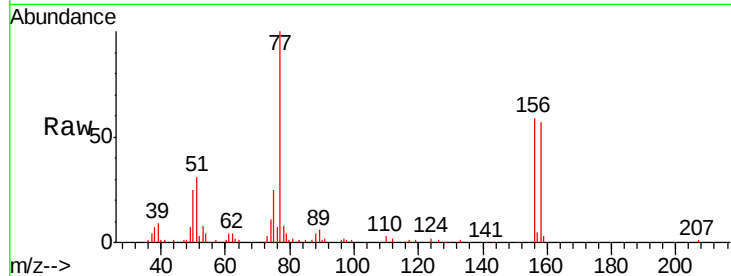
MSVOA_W

ClientSampled :

VSTDIC010

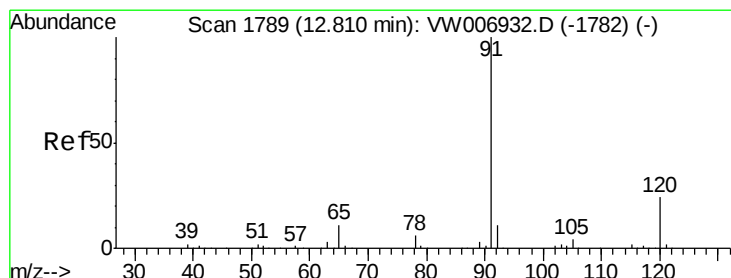
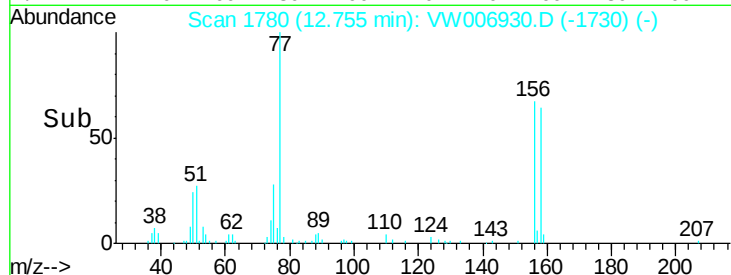
Tgt Ion:	156	Resp:	14278
Ion Ratio	Lower	Upper	
156	100		
77	201.0	97.8	293.3
158	99.6	47.9	143.7

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#78

n-propylbenzene

Concen: 11.21 ug/l

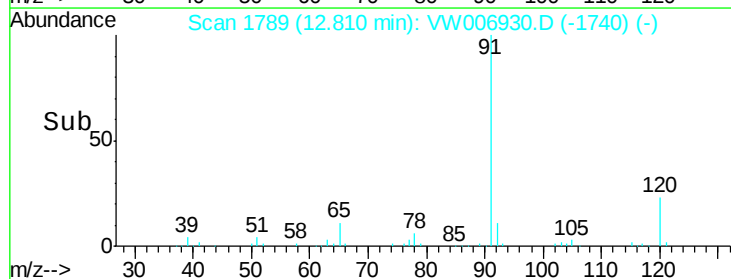
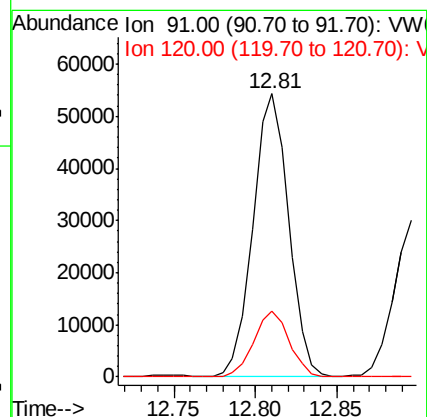
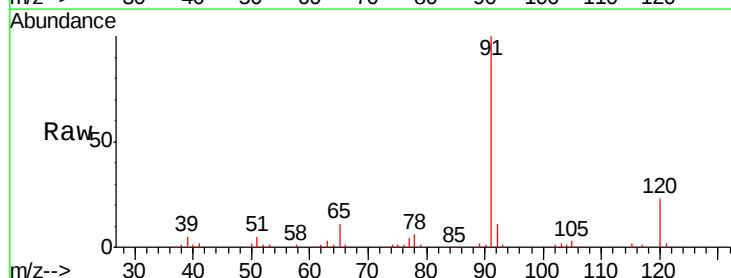
RT: 12.81 min Scan# 1789

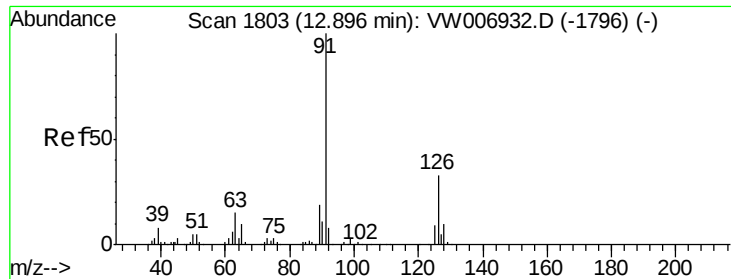
Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	91	Resp:	82810
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 11.50 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

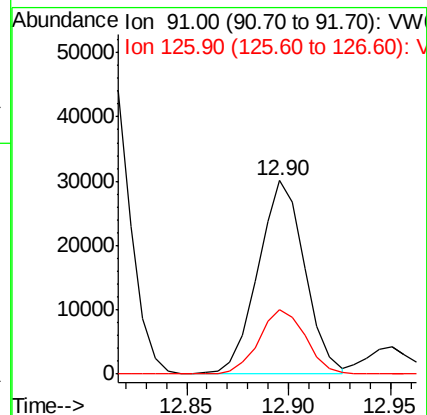
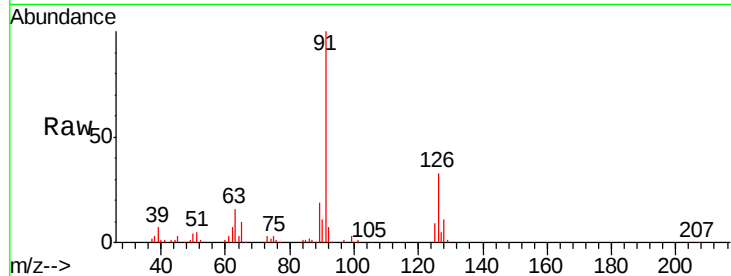
Tgt Ion: 91 Resp: 48003

Ion Ratio Lower Upper

91 100

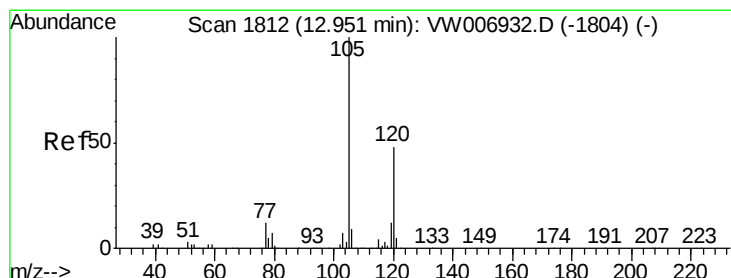
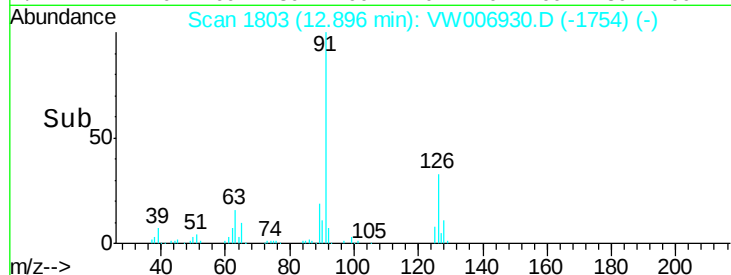
126 33.2 16.6 49.7

Manual Integrations
APPROVED



apatel

11/19/2018 3:29:19 PM



#80

1,3,5-Trimethylbenzene

Concen: 10.97 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006930.D

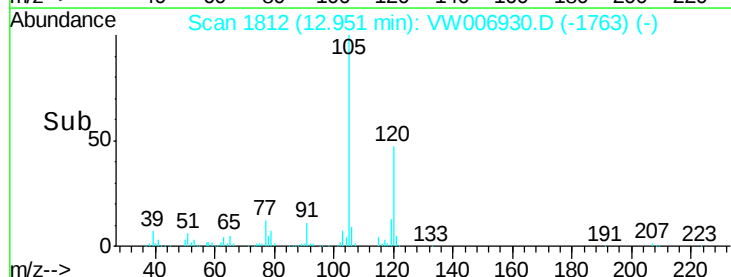
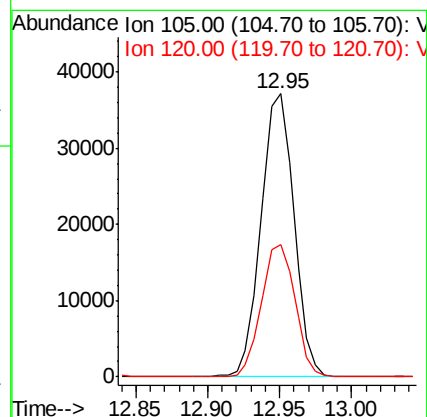
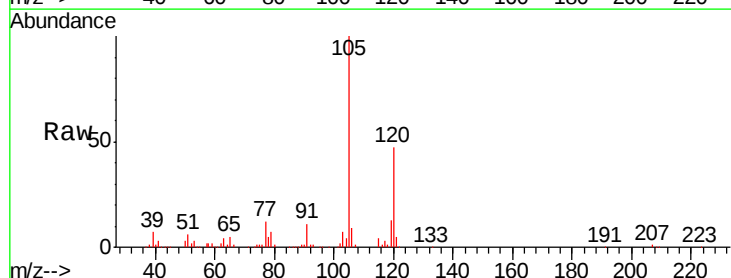
Acq: 16 Nov 2018 23:19

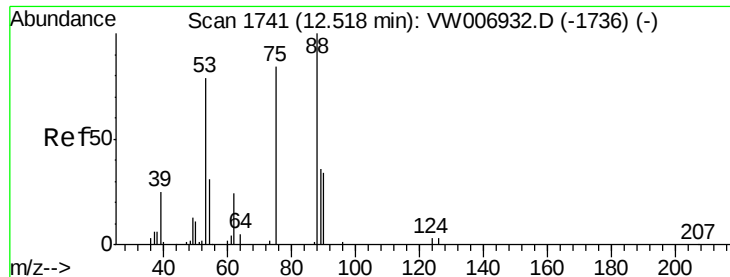
Tgt Ion: 105 Resp: 58809

Ion Ratio Lower Upper

105 100

120 47.7 23.5 70.5



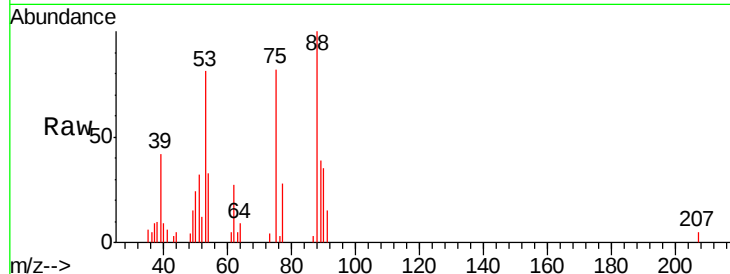


#81
trans-1,4-Dichloro-2-butene
Concen: 10.18 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

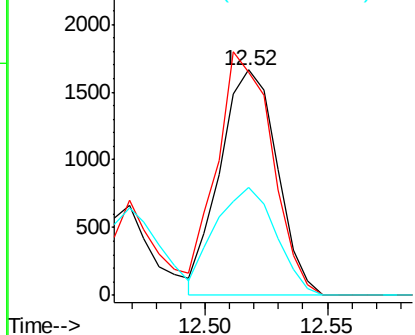
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.7	79.3	118.9
89	50.9	39.5	59.3

Manual Integrations
APPROVED

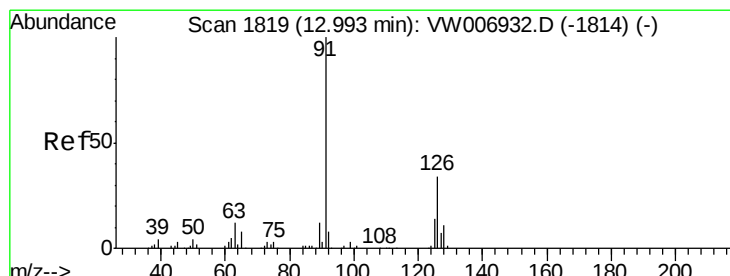
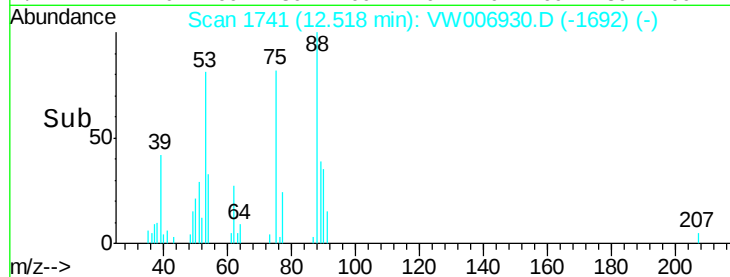


Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW



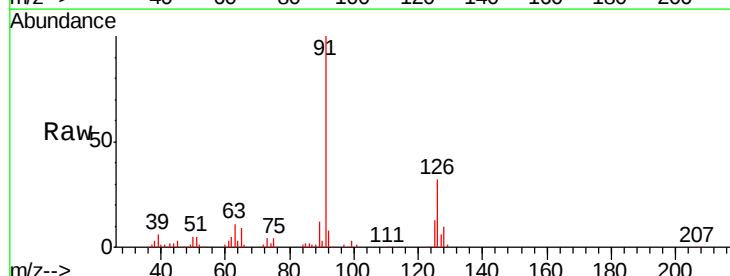
apatel

11/19/2018 3:29:19 PM

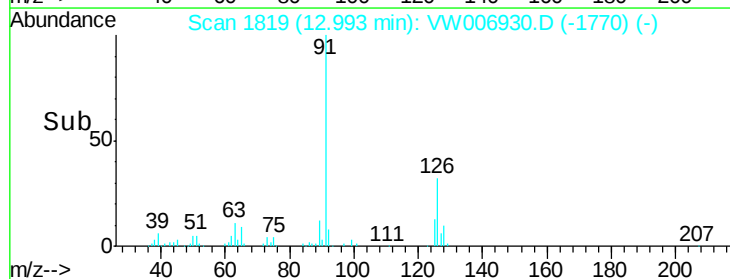
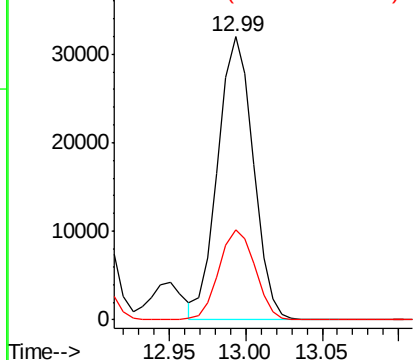


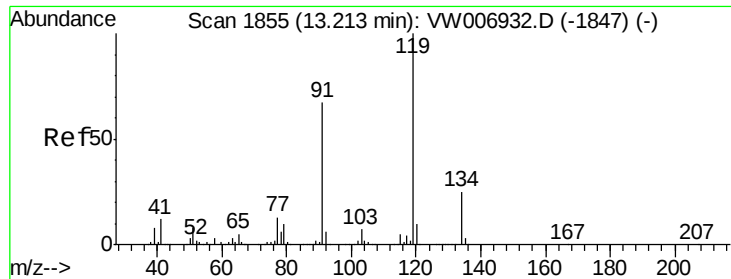
#82
4-Chlorotoluene
Concen: 11.61 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6



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



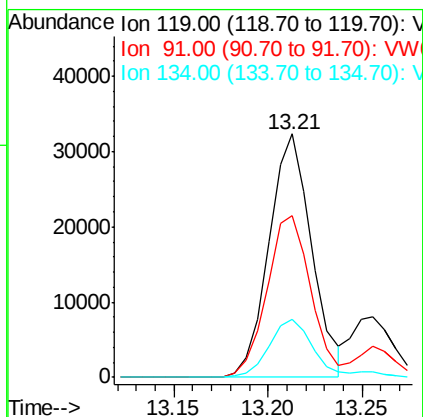
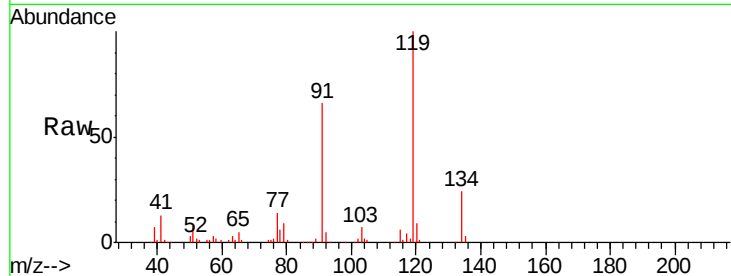


#83
 tert-Butylbenzene
 Concen: 10.82 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

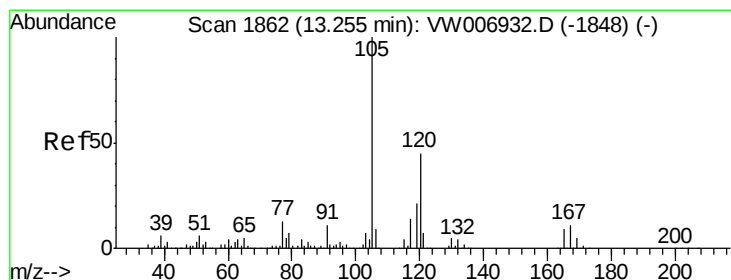
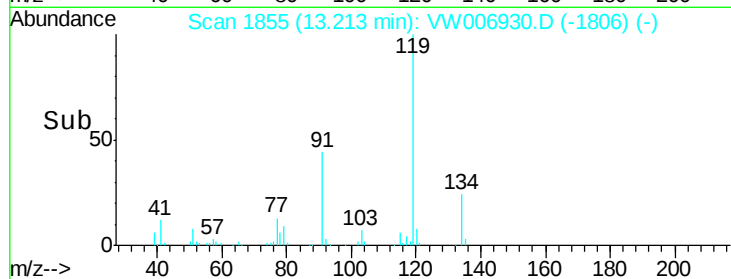
Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.8	101.4
134	24.0	12.6	37.8

Manual Integrations
 APPROVED



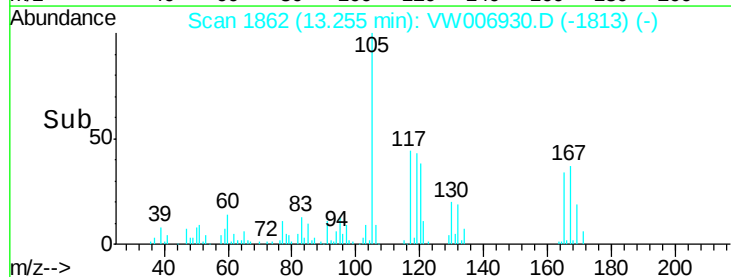
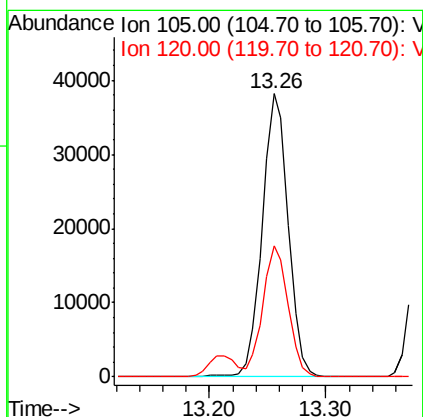
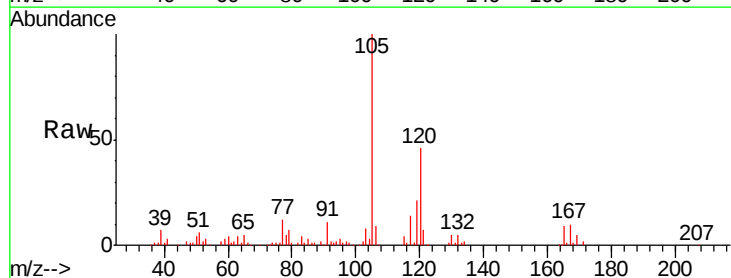
apatel

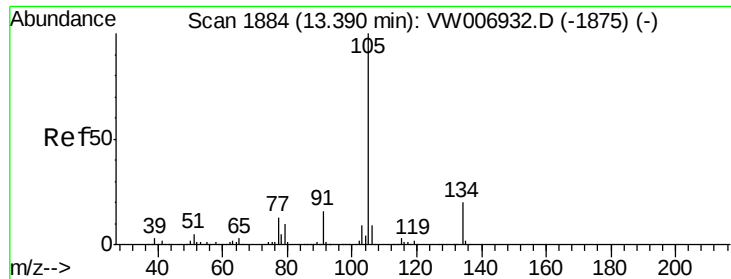
11/19/2018 3:29:19 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 10.80 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.9	65.8





#85

sec-Butylbenzene

Concen: 10.94 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

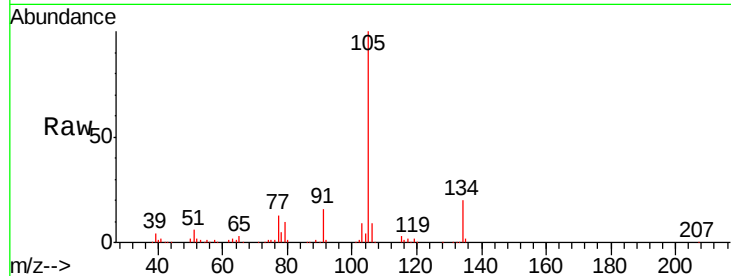
Tgt Ion:105 Resp: 72993

Ion Ratio Lower Upper

105 100

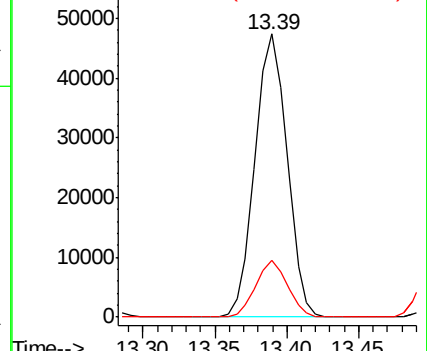
134 19.7 9.8 29.4

Manual Integrations
APPROVED



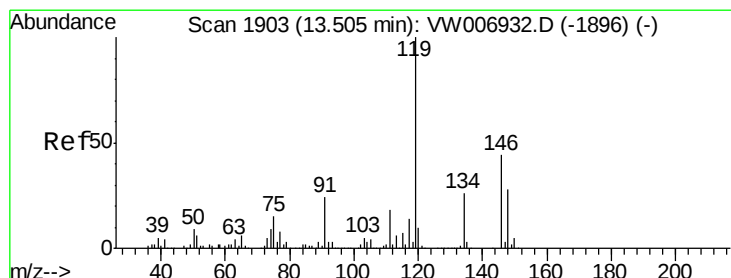
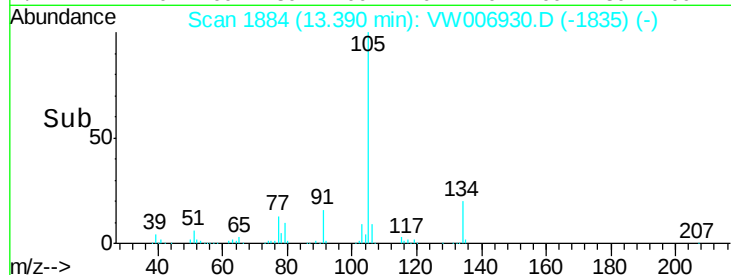
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



apatel

11/19/2018 3:29:19 PM



#86

p-Isopropyltoluene

Concen: 10.51 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

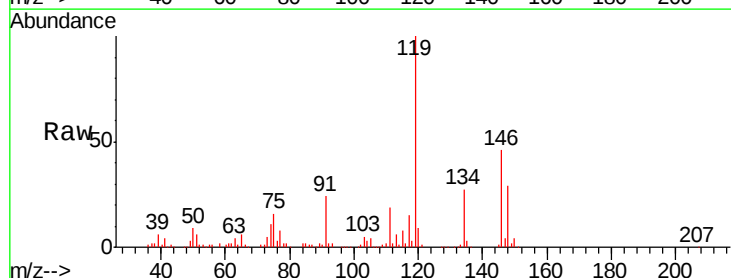
Tgt Ion:119 Resp: 63351

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

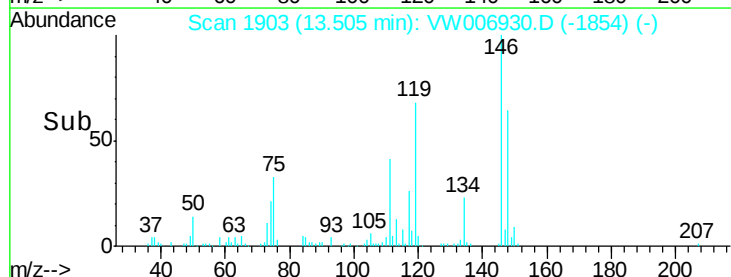
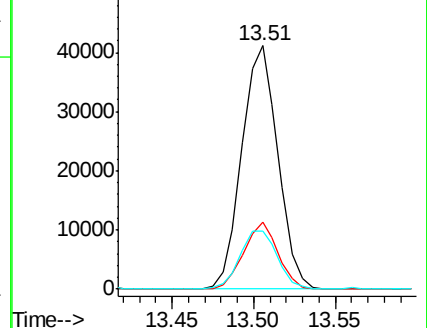
91 25.0 12.4 37.2

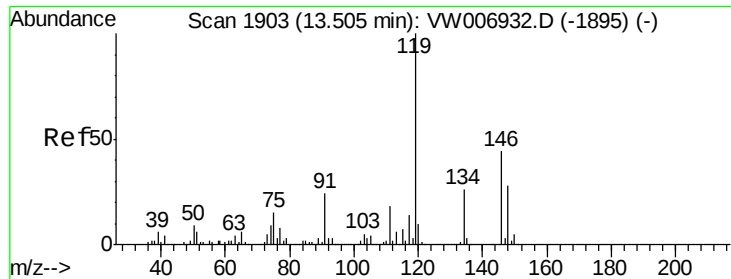


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



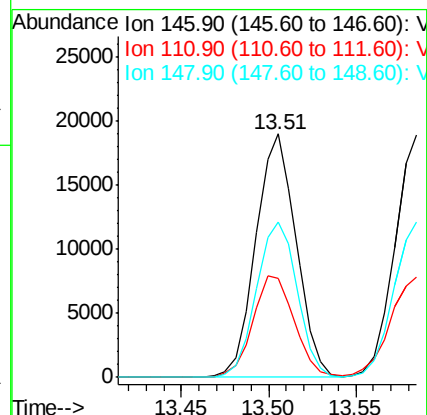
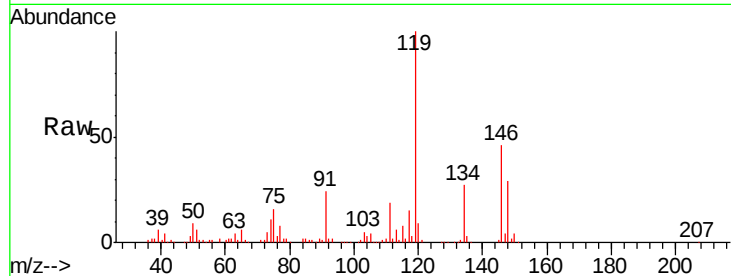


#87
 1,3-Dichlorobenzene
 Concen: 9.76 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

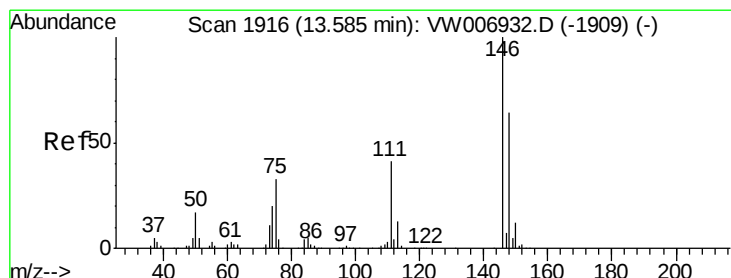
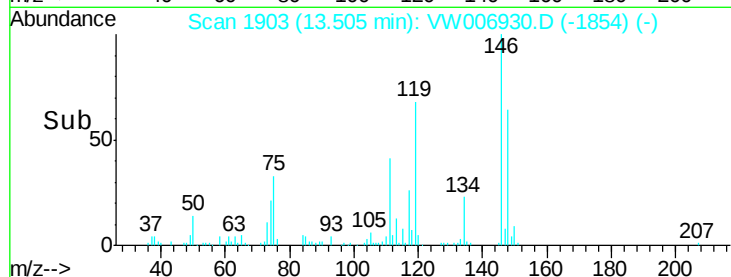
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.9
148	64.4	31.9	95.9

Manual Integrations
 APPROVED



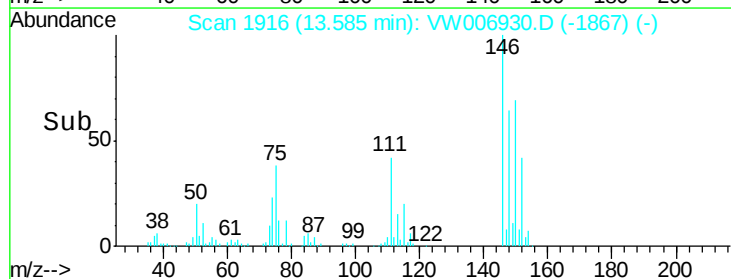
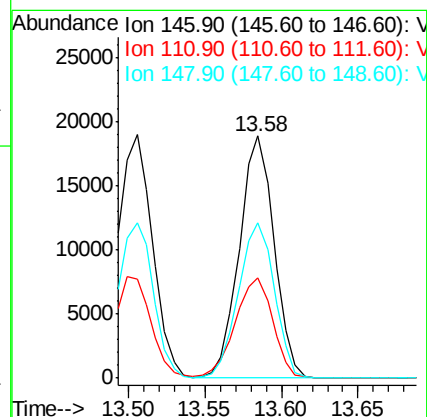
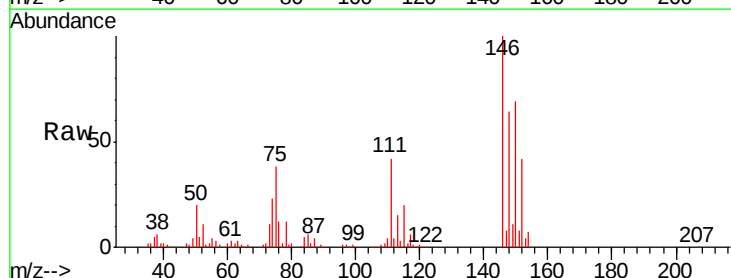
apatel

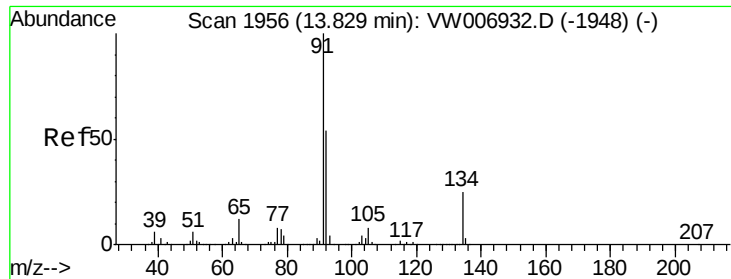
11/19/2018 3:29:19 PM



#88
 1,4-Dichlorobenzene
 Concen: 9.68 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	20.7	62.1
148	66.4	31.9	95.9



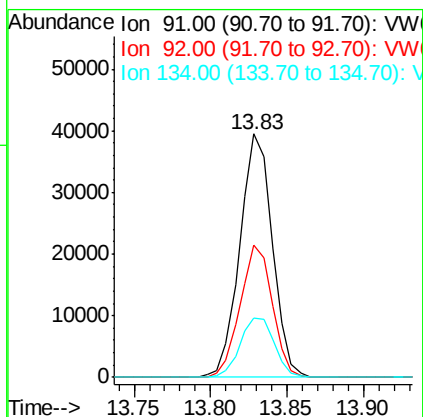
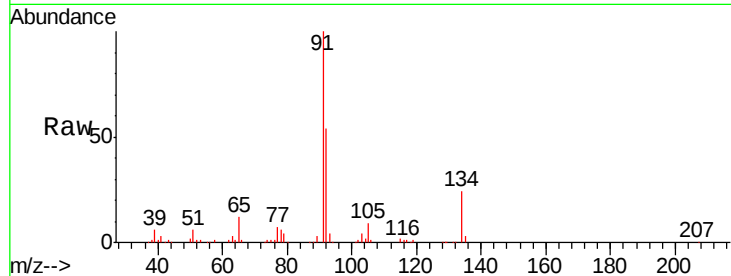


#89
n-Butylbenzene
Concen: 10.49 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

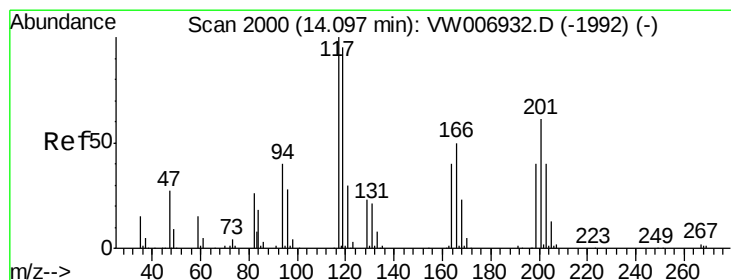
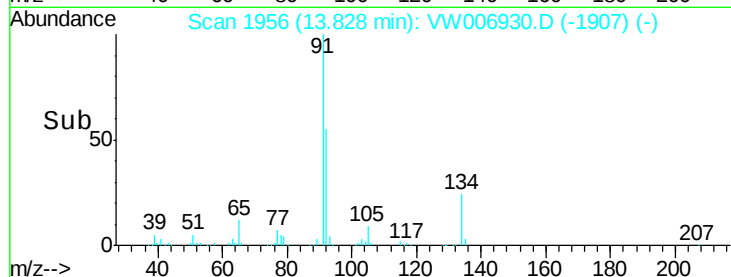
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.4	79.2
134	25.7	12.9	38.6

Manual Integrations
APPROVED



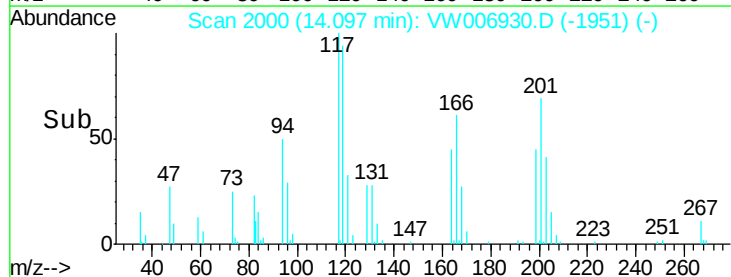
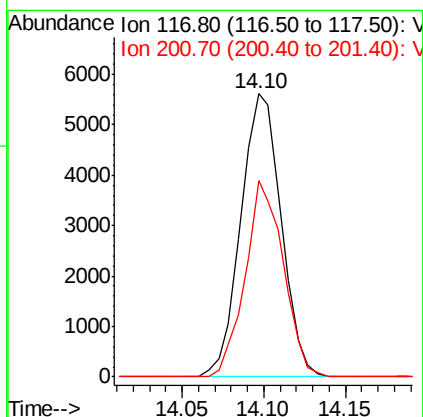
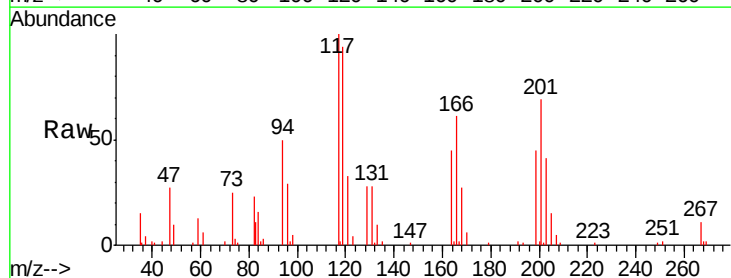
apatel

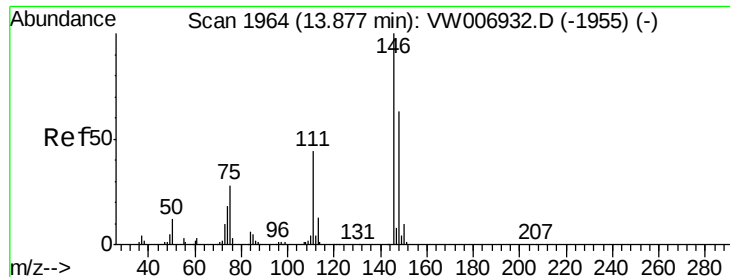
11/19/2018 3:29:19 PM



#90
Hexachloroethane
Concen: 9.99 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.5	33.8	101.4



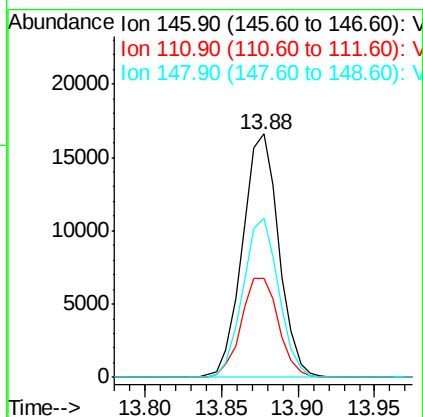
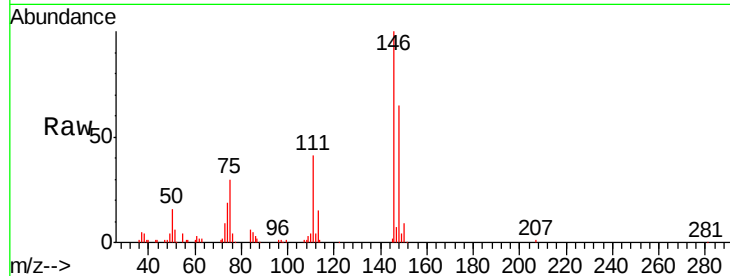


#91
 1,2-Dichlorobenzene
 Concen: 10.05 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

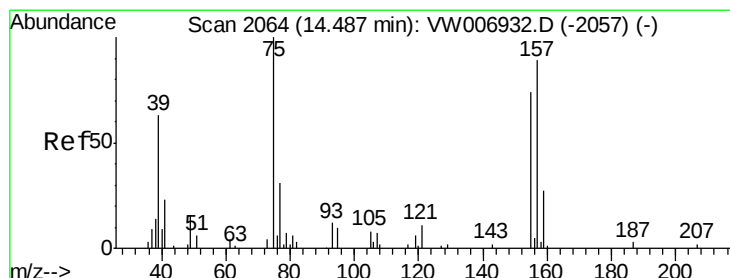
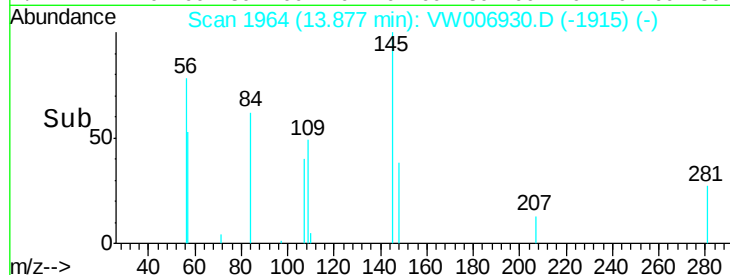
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	22.6	67.7
148	64.2	31.7	95.1

Manual Integrations
 APPROVED



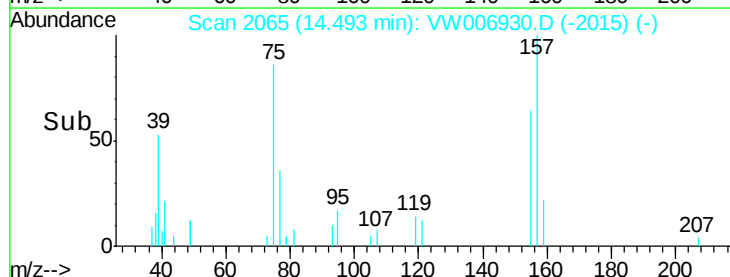
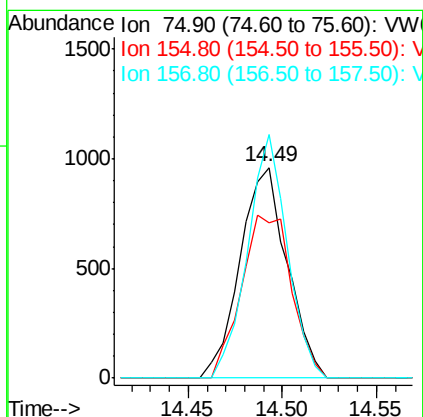
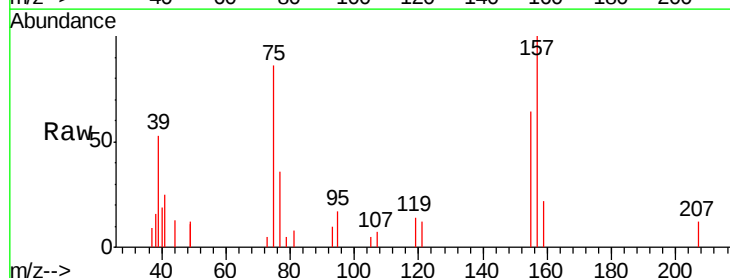
apatel

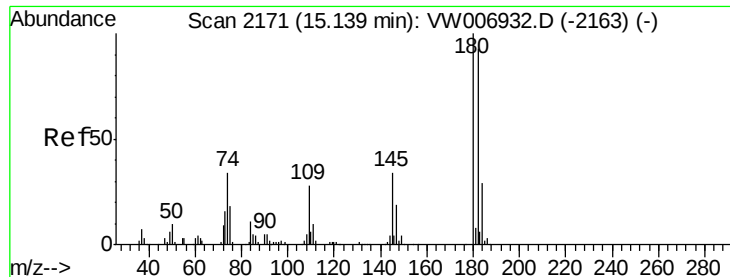
11/19/2018 3:29:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.65 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW006930.D
 Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.1	38.6	115.7
157	96.9	49.7	149.1



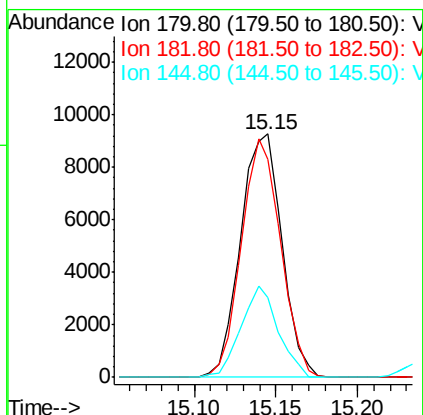
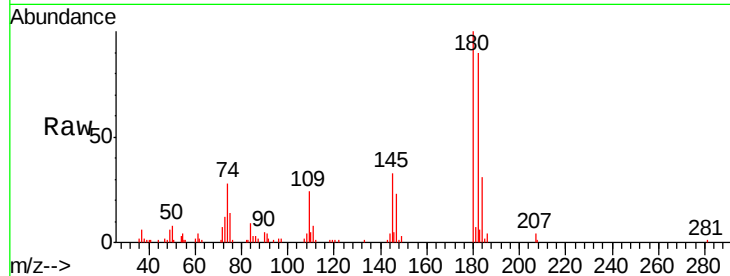


#93
1,2,4-Trichlorobenzene
Concen: 8.16 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.01 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

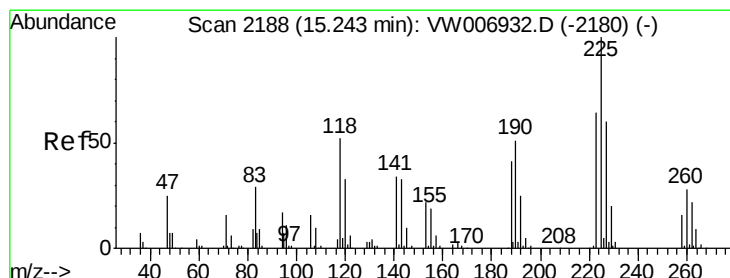
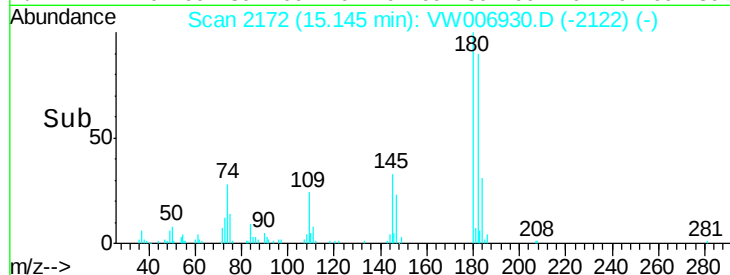
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16356		
182	93.2	47.3	141.9	
145	33.7	16.8	50.4	

Manual Integrations
APPROVED



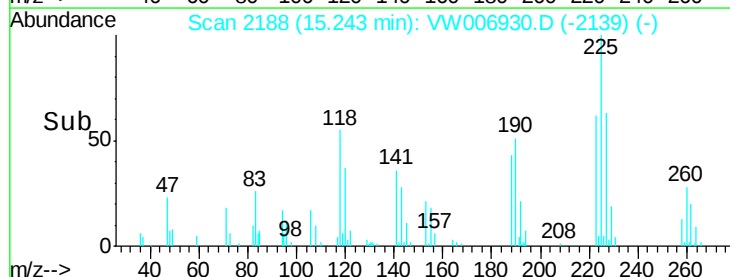
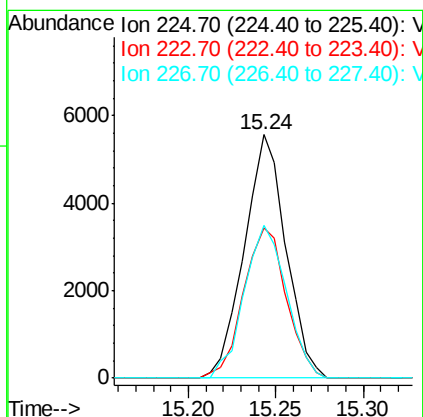
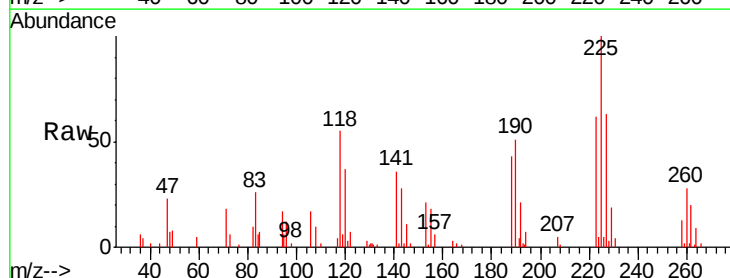
apatel

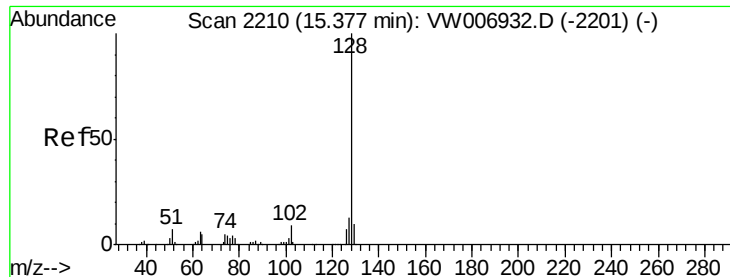
11/19/2018 3:29:19 PM



#94
Hexachlorobutadiene
Concen: 7.44 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW006930.D
Acq: 16 Nov 2018 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9201		
223	63.6	32.1	96.3	
227	63.7	31.6	95.0	





#95

Naphthalene

Concen: 9.90 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Instrument :

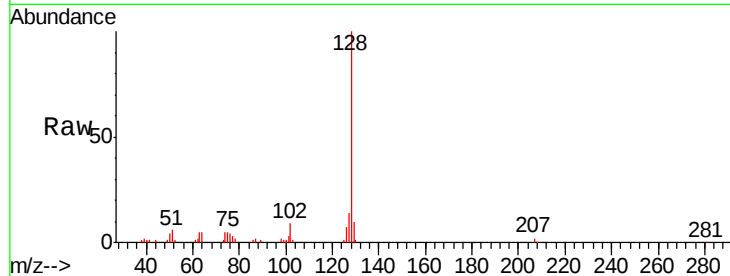
MSVOA_W

ClientSampleId :

VSTDIC010

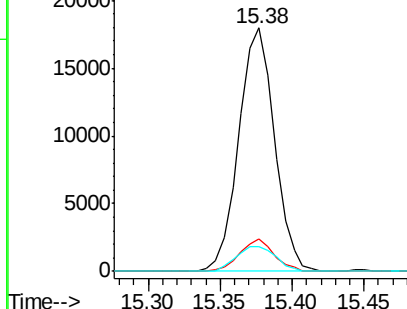
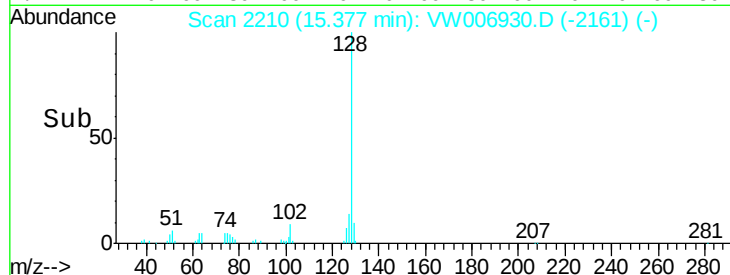
Tgt Ion:	128	Resp:	30912
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	11.3	8.5	12.7

Manual Integrations
APPROVED

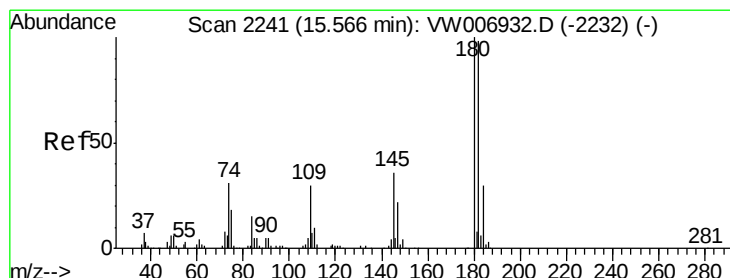


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

apatel



11/19/2018 3:29:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 8.18 ug/l

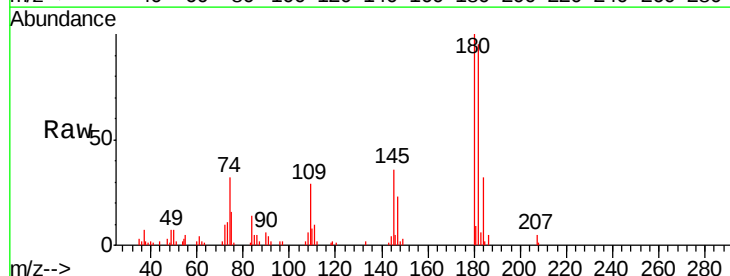
RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006930.D

Acq: 16 Nov 2018 23:19

Tgt Ion:	180	Resp:	14073
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.2
145	35.9	17.6	52.9



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

