

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072518\
 Data File : VU025627.D
 Acq On : 25 Jul 2018 10:13
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 7/26/2018 4:26:20 PM

Quant Time: Jul 25 12:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 11:50:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.75	96	36351	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	13015	1.10	ug/l	0.00
Spiked Amount 1.000			Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	13991	1.21	ug/l	0.00
Spiked Amount 1.000			Recovery	=	121.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	12557	1.064	ug/l	98
3) Chloromethane	1.33	50	11916	0.871	ug/l	99
4) Vinyl Chloride	1.41	62	10911	0.832	ug/l	98
5) Bromomethane	1.63	94	5675	0.809	ug/l	93
6) Chloroethane	1.70	64	6555	0.898	ug/l	92
7) Trichlorofluoromethane	1.89	101	16270	1.080	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	8808	0.952	ug/l	97
9) 1,1-Dichloroethene	2.29	96	7893	0.919	ug/l	92
10) Iodomethane	2.41	142	3488	0.342	ug/l	94
11) Allyl Chloride	2.60	41	12410	0.786	ug/l #	82
12) Acrylonitrile	2.94	53	3486	1.967	ug/l	98
13) Acetone	2.32	43	7195	4.783	ug/l	98
14) Carbon Disulfide	2.48	76	26392	0.934	ug/l	99
15) Methylene Chloride	2.71	84	9939	1.016	ug/l	93
16) trans-1,2-Dichloroethene	2.99	96	8748	0.951	ug/l	92
17) 1,1-Dichloroethane	3.45	63	16730	0.923	ug/l	98
18) 2-Butanone	4.28	43	12702	5.225	ug/l	95
19) Cyclohexane	4.99	56	13037	0.832	ug/l #	84
20) Methylcyclohexane	6.42	83	15781	0.988	ug/l	97
21) 2,2-Dichloropropane	4.23	77	17058	1.187	ug/l	97
22) cis-1,2-Dichloroethene	4.23	96	10449	1.049	ug/l	96
23) Diethyl Ether	2.11	59	5665	0.807	ug/l	95
24) tert-Butyl Alcohol	2.84	59	7521	14.204	ug/l #	79
25) Methyl tert-Butyl Ether	3.01	73	20912	0.969	ug/l	98
26) Bromochloromethane	4.56	128	4853	1.233	ug/l	78
27) Chloroform	4.68	83	19020	1.114	ug/l	98
28) 1,1,1-Trichloroethane	4.92	97	17843	1.274	ug/l #	72
29) 1,1-Dichloropropene	5.14	75	13706	0.997	ug/l	99
30) Carbon Tetrachloride	5.14	117	14385	1.221	ug/l	97
31) Isopropyl Ether	3.58	45	27403	0.896	ug/l	87
32) Ethyl-t-butyl ether	4.08	59	25490	0.975	ug/l	92
33) Tert-Amyl methyl ether	5.59	73	22435	1.014	ug/l	98
34) Propionitrile	4.34	54	3305	4.775	ug/l #	86
35) Benzene	5.39	78	38931	0.953	ug/l	97
36) 1,2-Dichloroethane	5.41	62	11789	1.021	ug/l	100
37) Trichloroethene	6.19	130	11858	1.082	ug/l	93
38) 1,2-Dichloropropane	6.44	63	10188	0.910	ug/l	100
39) Methacrylonitrile	4.55	41	3093	0.874	ug/l #	90
40) Methyl acrylate	4.44	55	4877	0.993	ug/l #	96
41) Tetrahydrofuran	4.66	42	4256	2.334	ug/l	97
42) 1-Chlorobutane	5.07	56	18518	0.930	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072518\
 Data File : VU025627.D
 Acq On : 25 Jul 2018 10:13
 Operator : MD/SY
 Sample : VSTDIC001
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC001

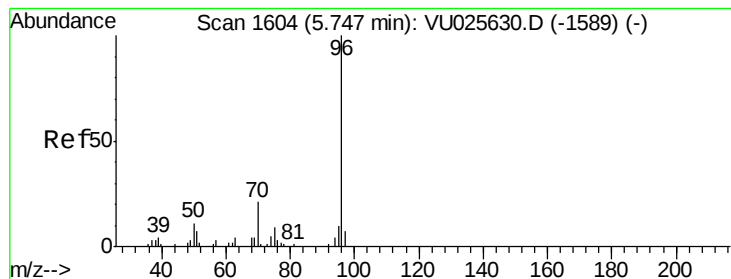
Manual Integrations
 APPROVED

apatel
 7/26/2018 4:26:20 PM

Quant Time: Jul 25 12:00:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072518DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 25 11:50:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	5117	1.062	ug/l	97
44) Bromodichloromethane	6.76	83	12883	1.064	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	27767	4.877	ug/l	98
46) t-1,4-Dichloro-2-butene	10.52	75	3391m	2.014	ug/l	
47) Methyl methacrylate	6.63	69	8286	1.898	ug/l	92
48) Ethyl methacrylate	8.02	69	8302	1.088	ug/l	97
49) Toluene	7.64	92	22638	0.960	ug/l	100
50) t-1,3-Dichloropropene	7.89	75	11309	1.095	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	14360	1.068	ug/l	95
52) 1,1,2-Trichloroethane	8.07	97	6974	1.017	ug/l	88
53) 1,3-Dichloropropane	8.25	76	11429	0.938	ug/l	98
54) 2-Hexanone	8.37	43	19156	4.939	ug/l	97
55) Dibromochloromethane	8.48	129	8501	1.132	ug/l	98
56) 1,2-Dibromoethane	8.59	107	6787	1.149	ug/l	99
58) Tetrachloroethene	8.23	164	10490	1.049	ug/l	98
59) Chlorobenzene	9.12	112	26491	1.049	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.21	131	9720	1.133	ug/l	98
61) Pentachloroethane	11.10	117	7362	1.209	ug/l	94
62) Hexachloroethane	12.15	117	7149	1.224	ug/l	100
63) Ethyl Benzene	9.25	91	43257	1.031	ug/l	99
64) m/p-Xylenes	9.38	106	33286	2.056	ug/l	100
65) o-Xylene	9.79	106	15572	0.999	ug/l	96
66) Styrene	9.80	104	26743	1.040	ug/l	99
67) Bromoform	9.96	173	4990	1.272	ug/l #	96
69) Isopropylbenzene	10.17	105	42513	1.059	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	8473	1.097	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	6948m	1.257	ug/l	
72) Bromobenzene	10.45	156	11601	1.161	ug/l	95
73) n-propylbenzene	10.59	120	11479	1.034	ug/l	95
74) 2-Chlorotoluene	10.66	126	10314	1.051	ug/l	99
75) 1,3,5-Trimethylbenzene	10.78	105	37421	1.106	ug/l	98
76) 4-Chlorotoluene	10.78	126	10827	1.065	ug/l	99
77) tert-Butylbenzene	11.10	119	36810	1.162	ug/l	99
78) 1,2,4-Trimethylbenzene	11.15	105	36216	1.060	ug/l	99
79) sec-Butylbenzene	11.33	105	48427	1.091	ug/l	100
80) Nitrobenzene	12.87	77	1332	4.964	ug/l #	79
81) p-Isopropyltoluene	11.48	119	40255	1.104	ug/l	97
82) 1,3-Dichlorobenzene	11.42	146	24094	1.208	ug/l	98
83) 1,4-Dichlorobenzene	11.51	146	22841	1.146	ug/l	99
84) n-Butylbenzene	11.90	91	38562	1.083	ug/l	97
85) 1,2-Dichlorobenzene	11.88	146	21710	1.205	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	1396	1.280	ug/l	96
87) 1,2,4-Trichlorobenzene	13.51	180	14634	1.123	ug/l	97
88) Hexachlorobutadiene	13.70	225	9674	1.225	ug/l	94
89) Naphthalene	13.75	128	22108	1.127	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	13461	1.101	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

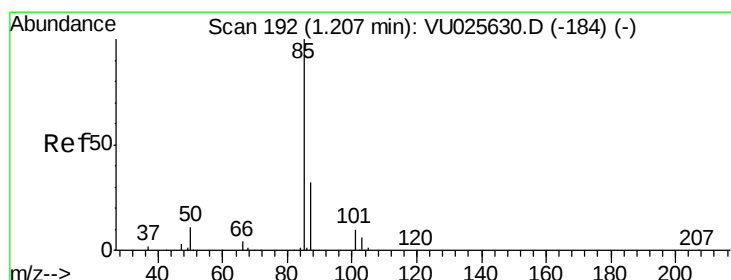
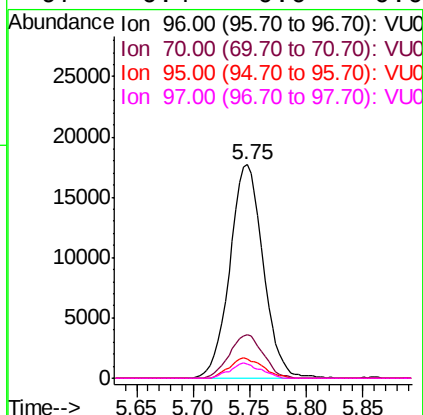
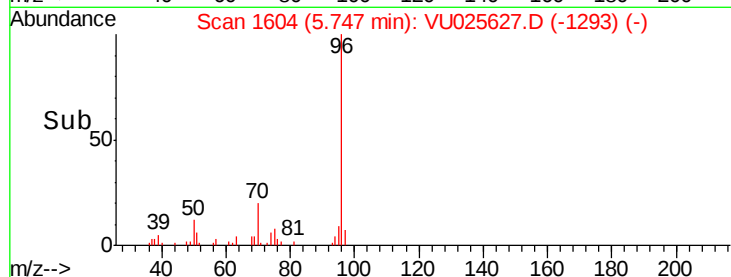
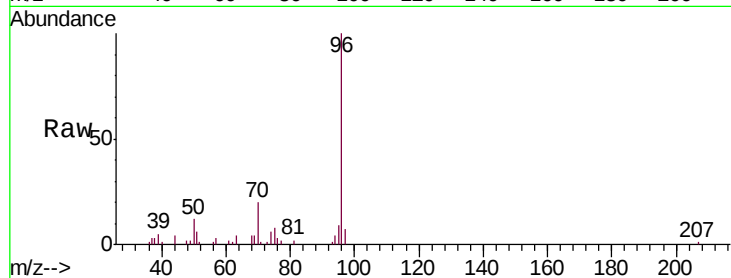
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	36351
Ion	Ratio	Lower	Upper
96	100		
70	20.5	16.2	24.4
95	9.3	6.9	10.3
97	6.4	0.0	0.0#

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM



#2

Dichlorodifluoromethane

Concen: 1.064 ug/l

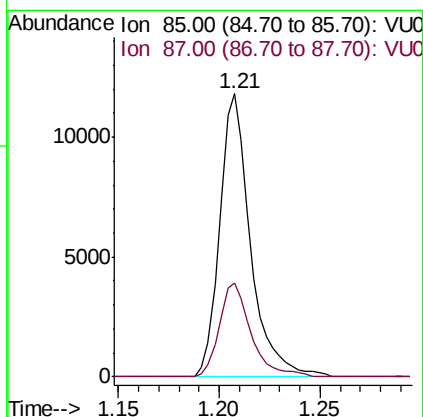
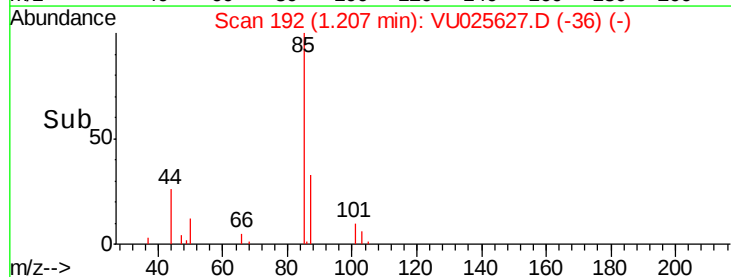
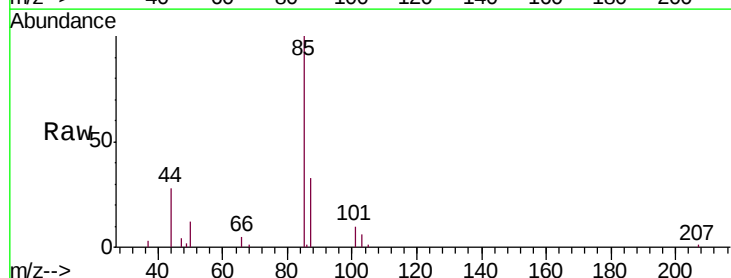
RT: 1.21 min Scan# 192

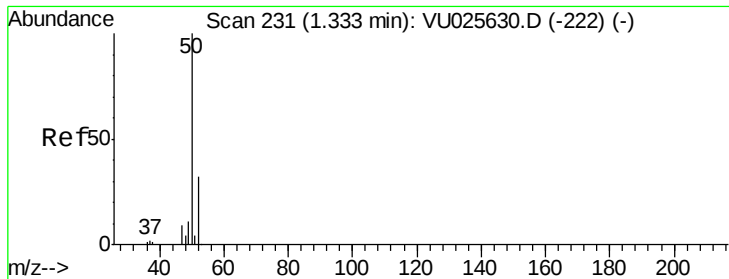
Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Tgt Ion:	85	Resp:	12557
Ion	Ratio	Lower	Upper
85	100		
87	33.4	16.2	48.5





#3

Chloromethane

Concen: 0.871 ug/l

RT: 1.33 min Scan# 231

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 11916

Ion Ratio Lower Upper

50 100

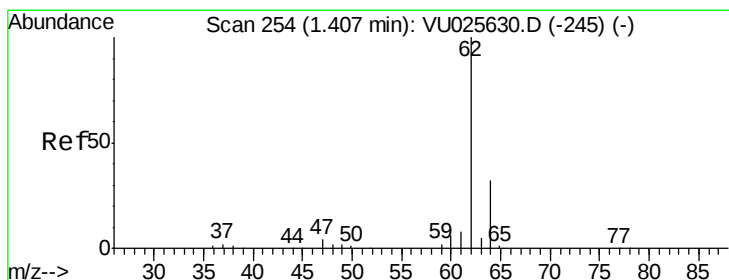
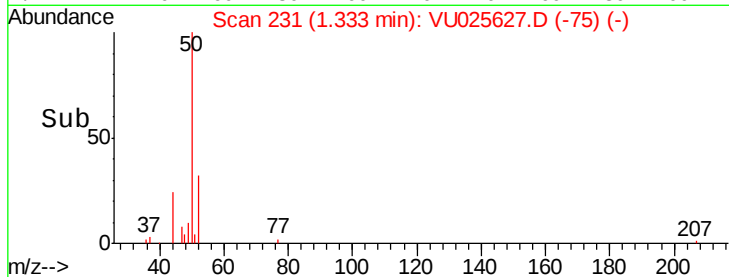
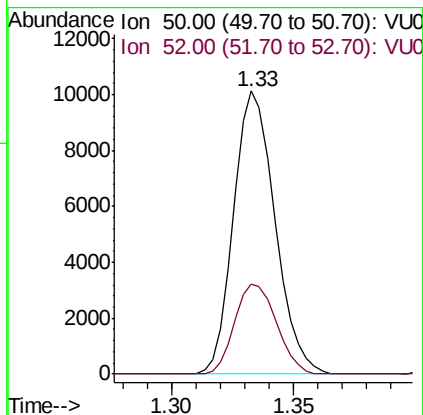
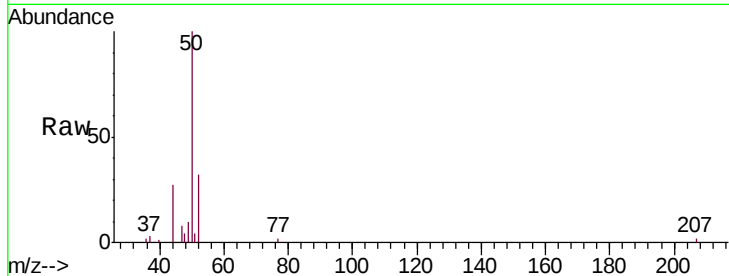
52 32.0 26.0 39.0

Manual Integrations

APPROVED

apatel

7/26/2018 4:26:20 PM



#4

Vinyl Chloride

Concen: 0.832 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025627.D

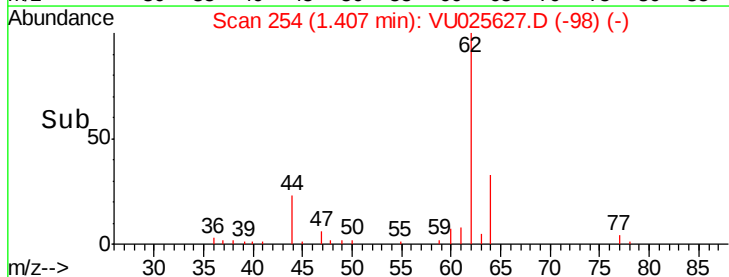
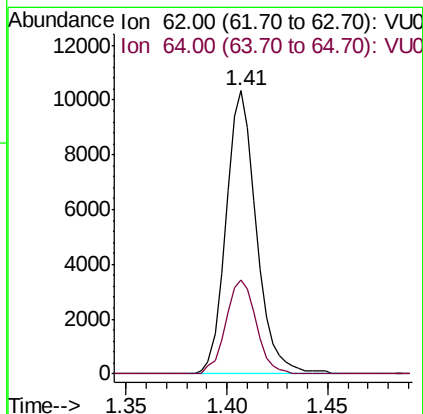
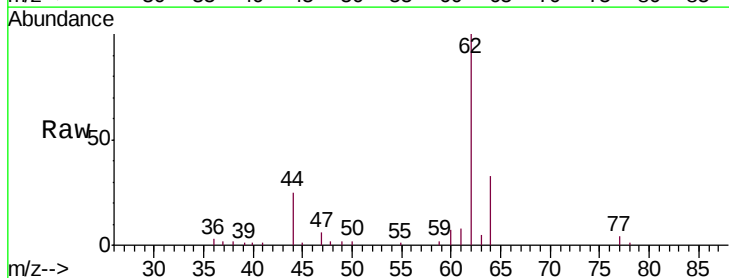
Acq: 25 Jul 2018 10:13

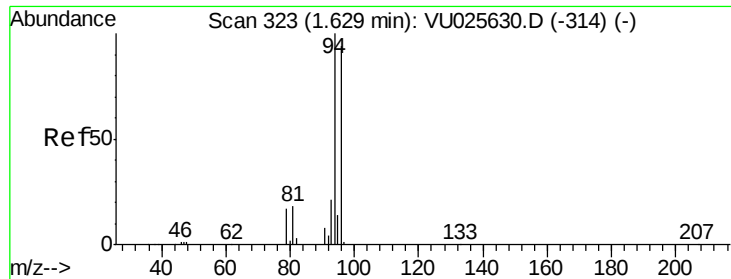
Tgt Ion: 62 Resp: 10911

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.8





#5

Bromomethane

Concen: 0.809 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 5675

Ion Ratio Lower Upper

94 100

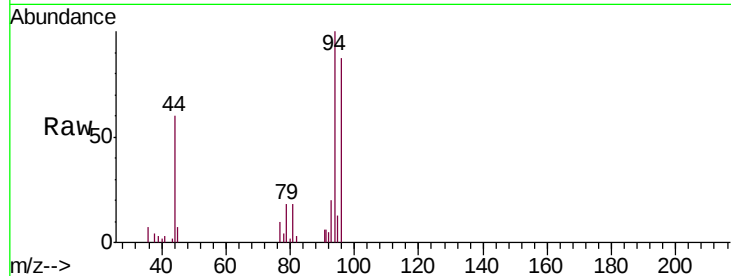
96 86.7 75.1 112.7

Manual Integrations

APPROVED

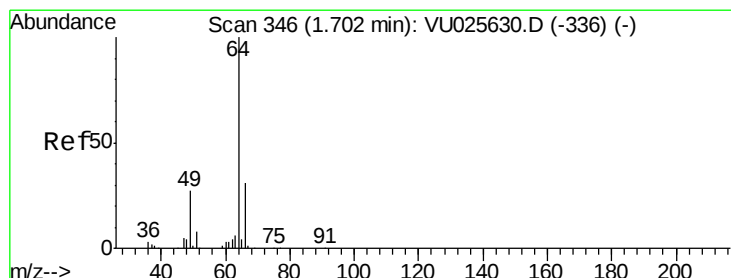
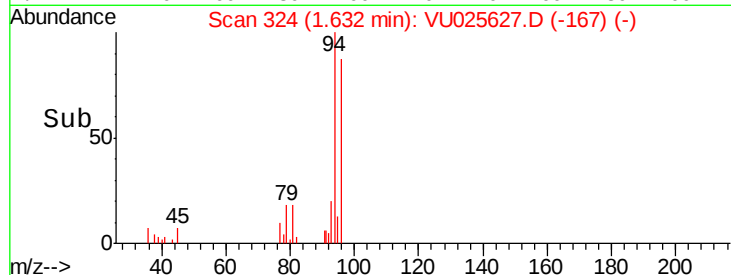
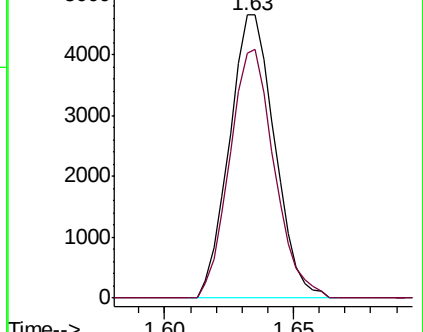
apatel

7/26/2018 4:26:20 PM



Abundance Ion 94.00 (93.70 to 94.70): VU025630.D (-314) (-)

Ion 96.00 (95.70 to 96.70): VU025630.D (-314) (-)



#6

Chloroethane

Concen: 0.898 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU025627.D

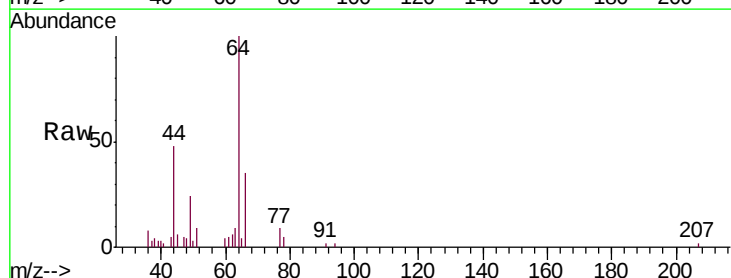
Acq: 25 Jul 2018 10:13

Tgt Ion: 64 Resp: 6555

Ion Ratio Lower Upper

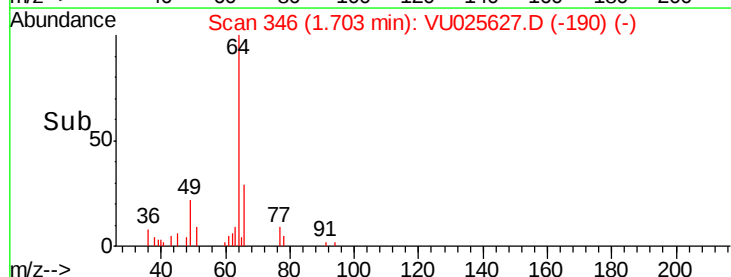
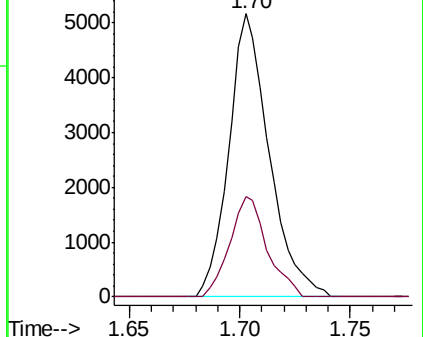
64 100

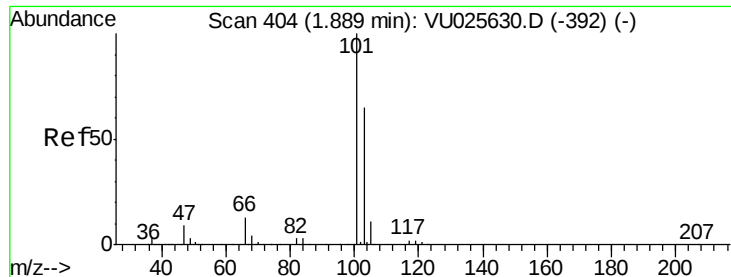
66 35.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU025630.D (-336) (-)

Ion 66.00 (65.70 to 66.70): VU025630.D (-336) (-)





#7

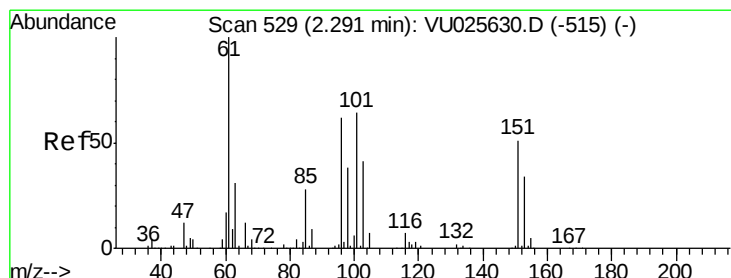
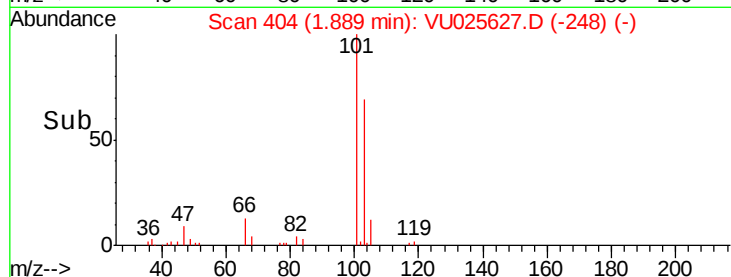
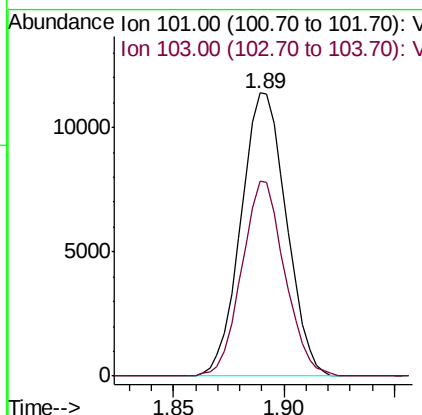
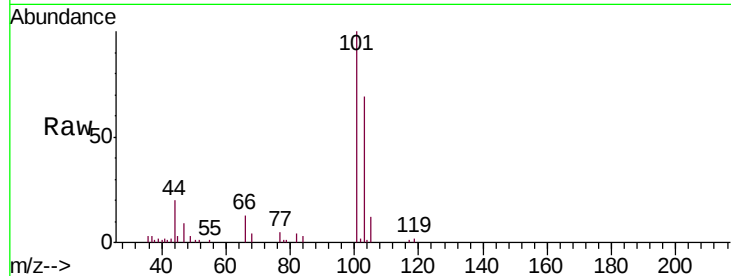
Trichlorofluoromethane
Concen: 1.080 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
101	100	16270		
103	68.7	51.4	77.0	

Manual Integrations
APPROVED

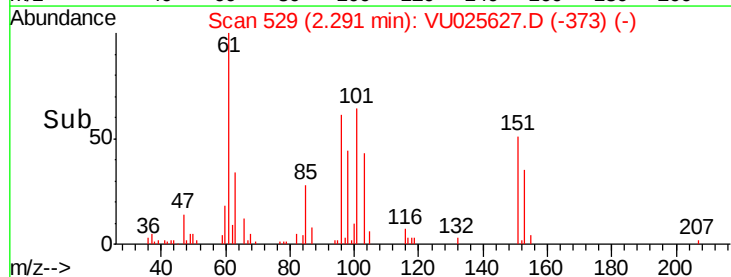
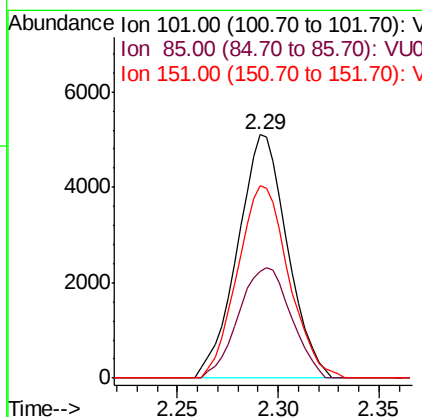
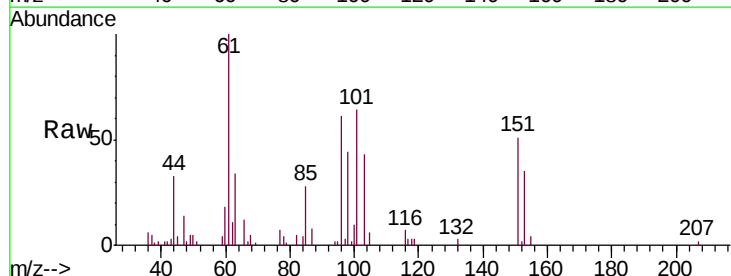
apatel
7/26/2018 4:26:20 PM

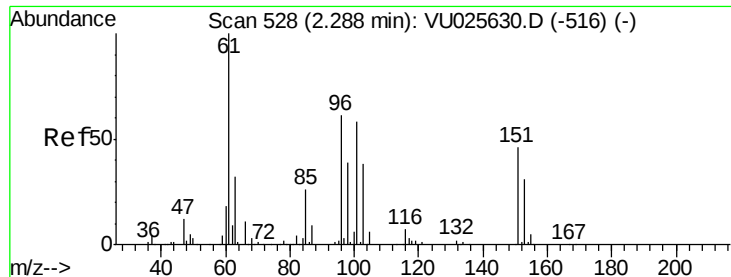


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.952 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	8808		
85	47.8	35.2	52.8	
151	81.3	63.5	95.3	





#9

1,1-Dichloroethene

Concen: 0.919 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

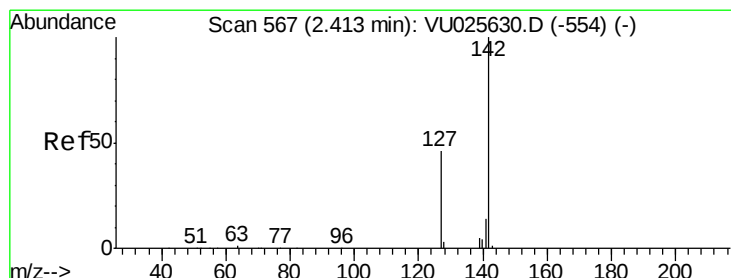
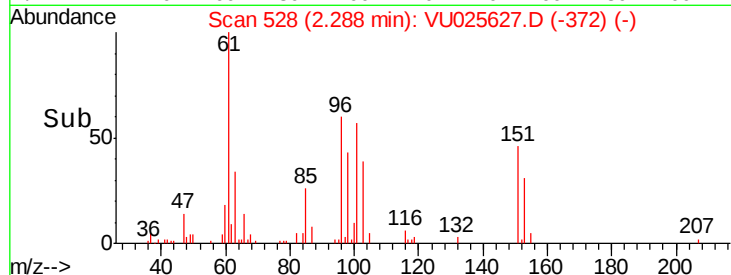
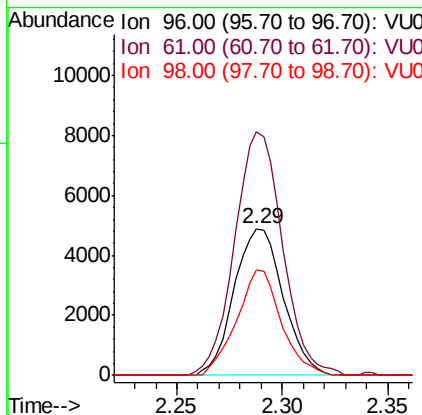
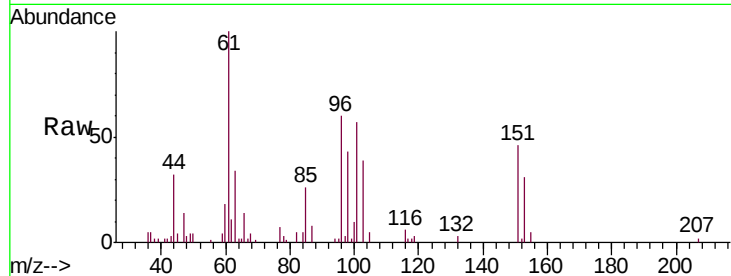
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	7893
Ion	Ratio	Lower	Upper
96	100		
61	166.2	0.0	526.5
98	71.9	0.0	123.4

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM



#10

Iodomethane

Concen: 0.342 ug/l

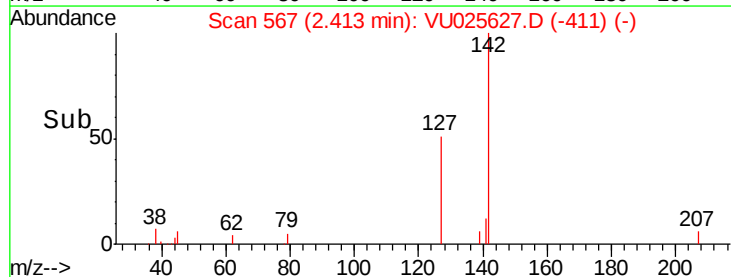
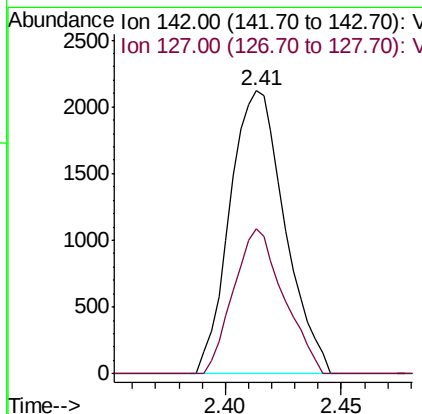
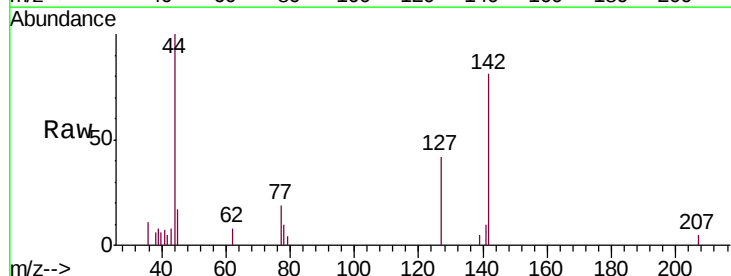
RT: 2.41 min Scan# 567

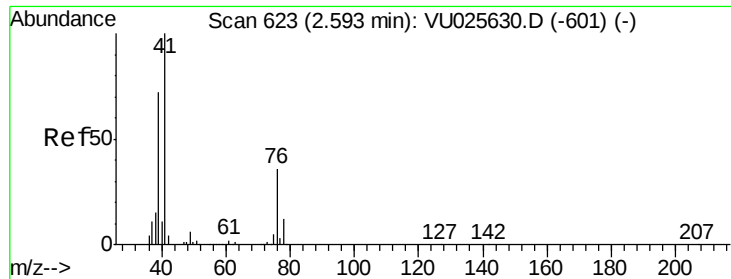
Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Tgt Ion:	142	Resp:	3488
Ion	Ratio	Lower	Upper
142	100		
127	46.8	34.5	51.7





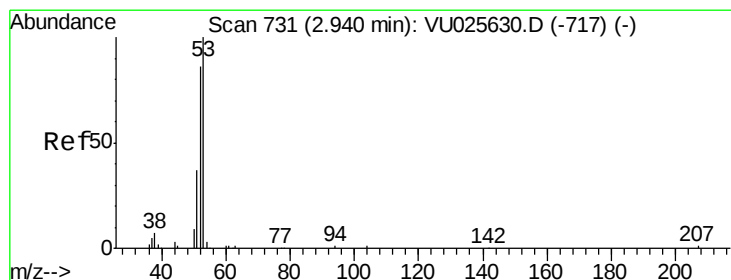
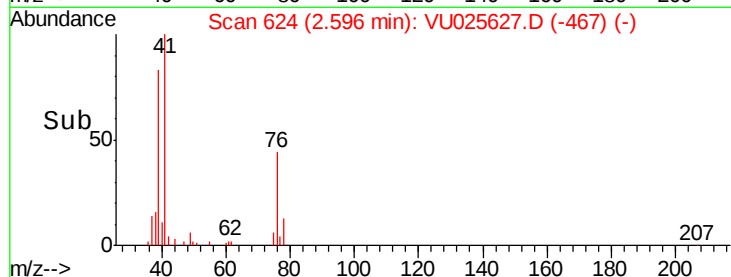
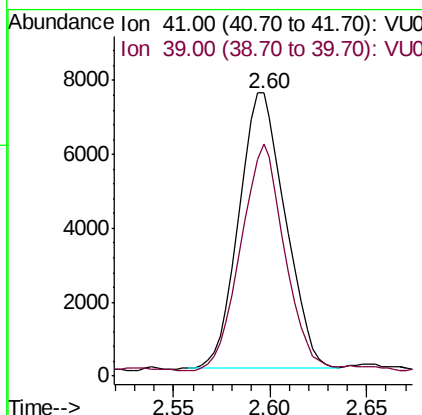
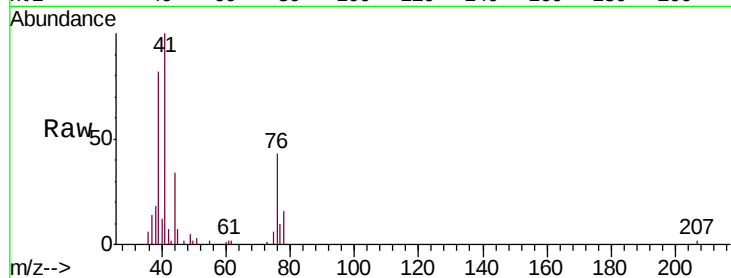
#11
Allvl Chloride
Concen: 0.786 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 12410
Ion Ratio Lower Upper
41 100
39 78.5 51.4 77.2#

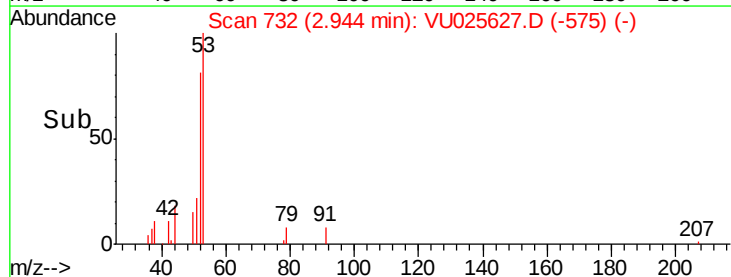
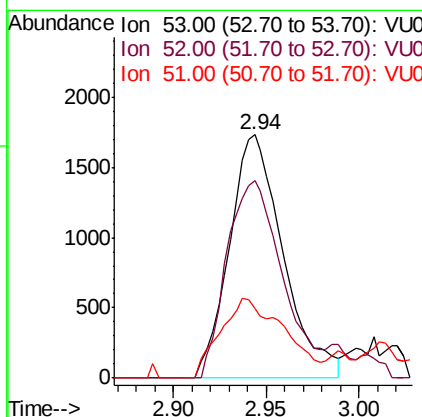
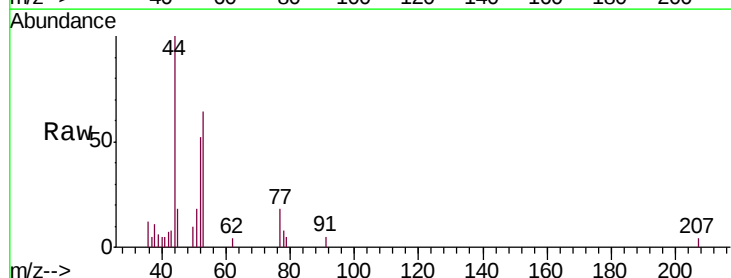
Manual Integrations
APPROVED

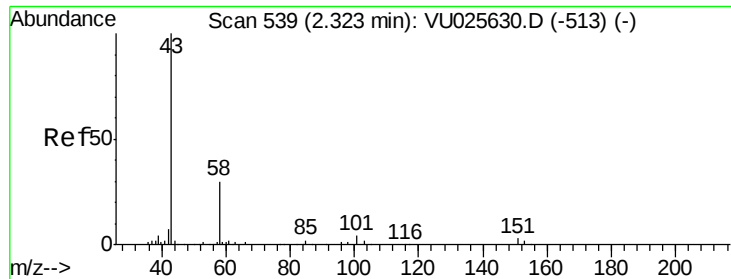
apatel
7/26/2018 4:26:20 PM



#12
Acrylonitrile
Concen: 1.967 ug/l
RT: 2.94 min Scan# 732
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion: 53 Resp: 3486
Ion Ratio Lower Upper
53 100
52 83.3 65.1 97.7
51 39.2 30.2 45.4





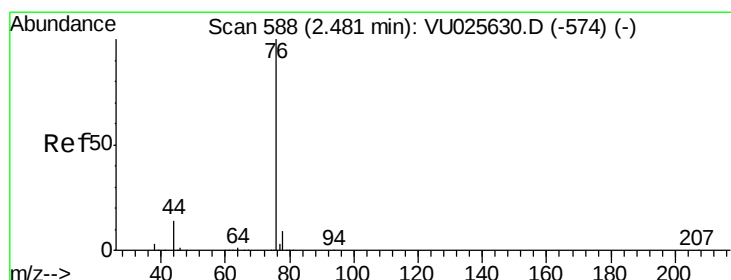
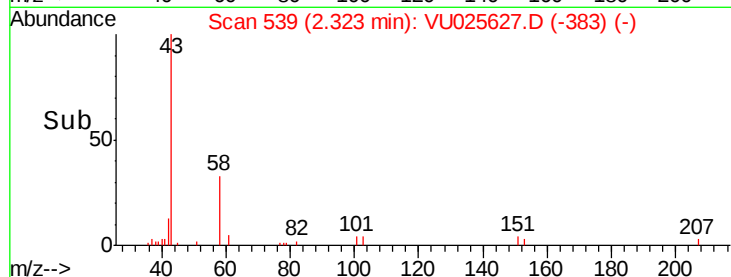
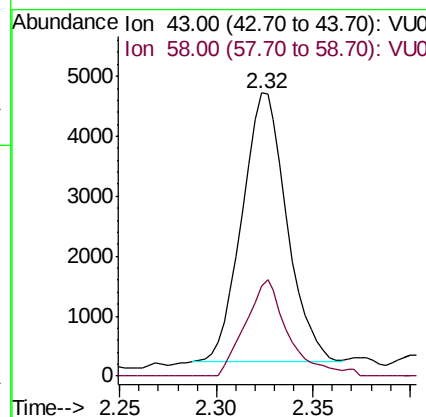
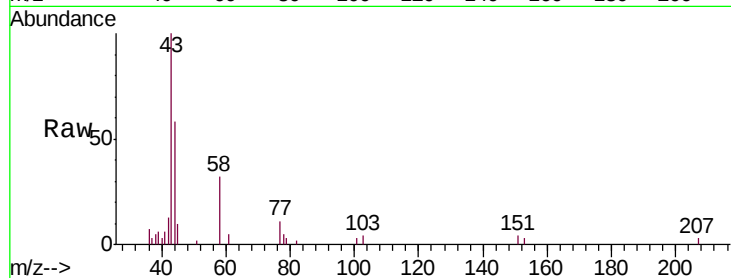
#13
Acetone
Concen: 4.783 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 7195
Ion Ratio Lower Upper
43 100
58 33.5 26.0 39.0

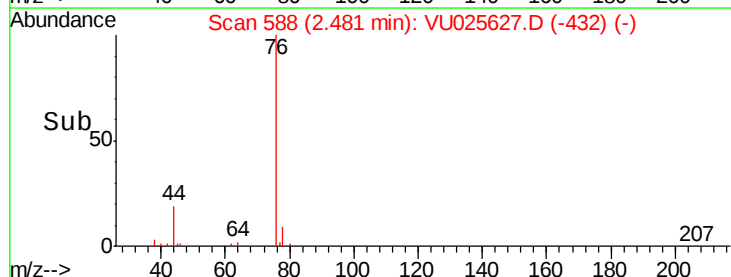
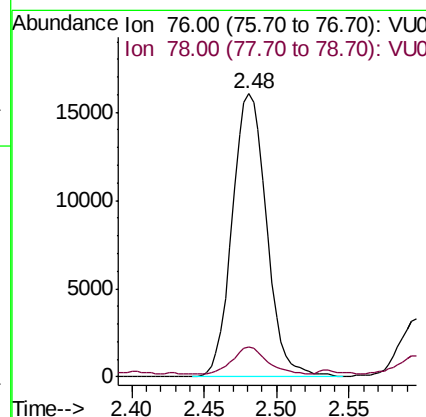
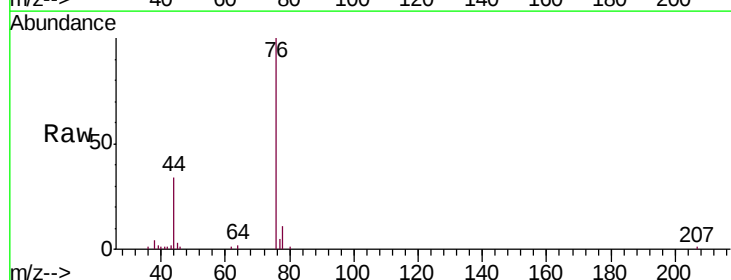
Manual Integrations
APPROVED

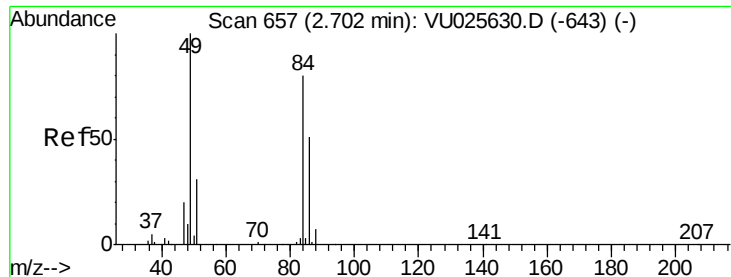
apatel
7/26/2018 4:26:20 PM



#14
Carbon Disulfide
Concen: 0.934 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion: 76 Resp: 26392
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9





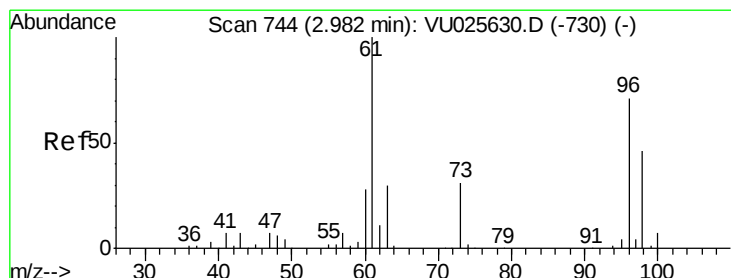
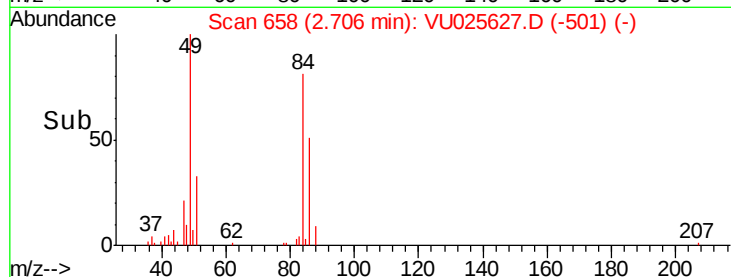
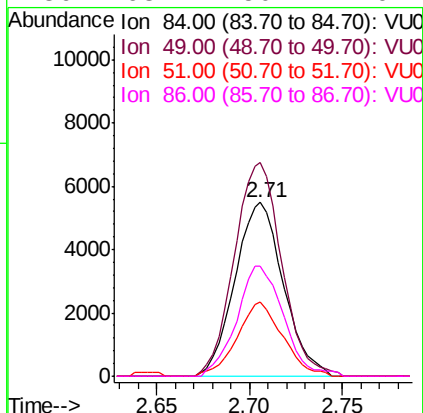
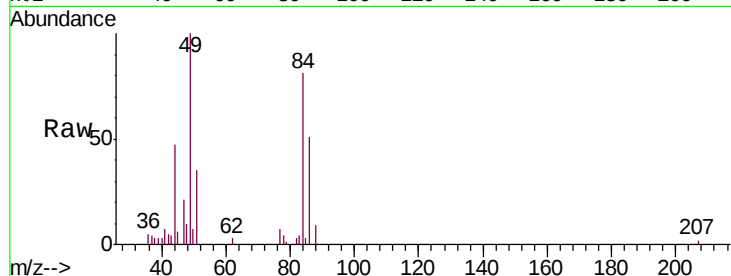
#15
Methvlene Chloride
Concen: 1.016 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
84	100		
49	122.9	108.7	163.1
51	42.8	0.0	82.4
86	63.1	50.7	76.1

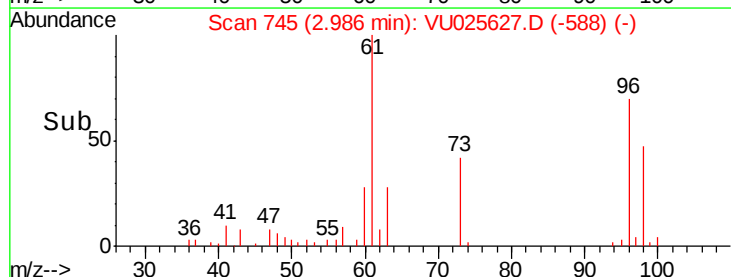
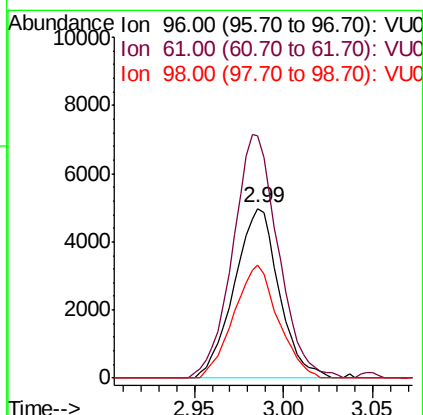
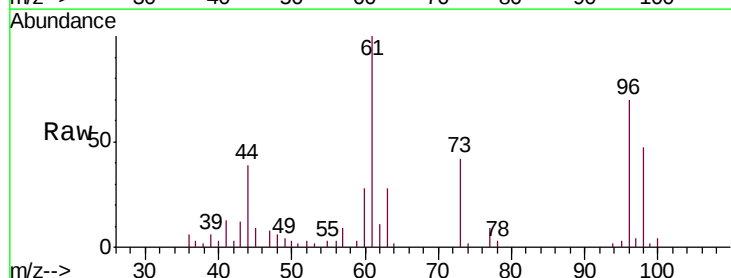
Manual Integrations
APPROVED

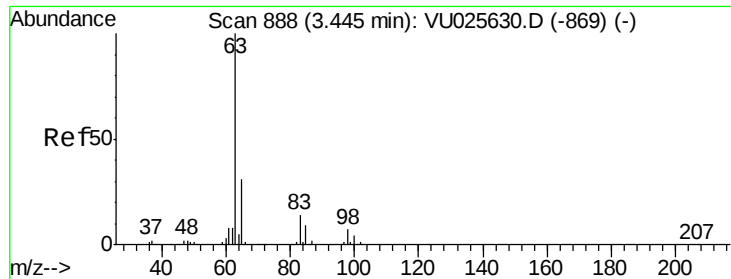
apatel
7/26/2018 4:26:20 PM



#16
trans-1,2-Dichloroethene
Concen: 0.951 ug/l
RT: 2.99 min Scan# 745
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.9	123.9	185.9
98	66.8	50.6	76.0





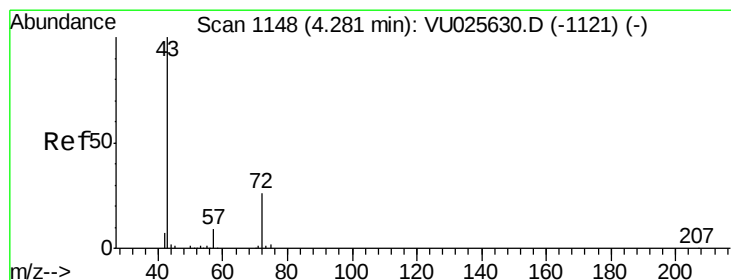
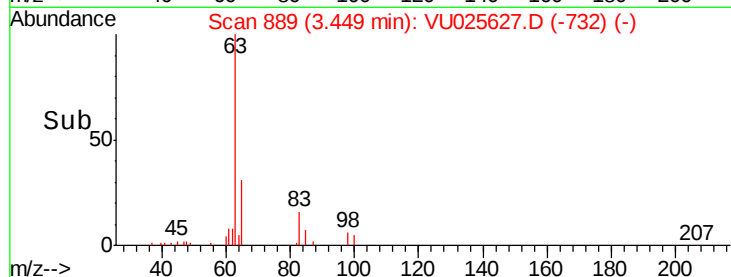
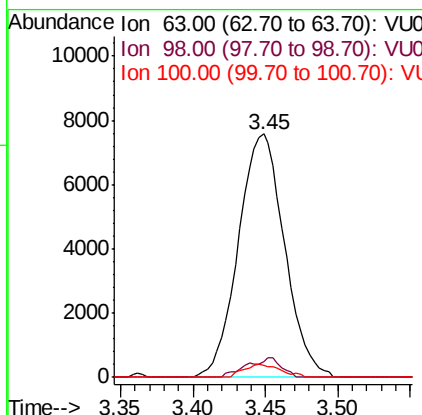
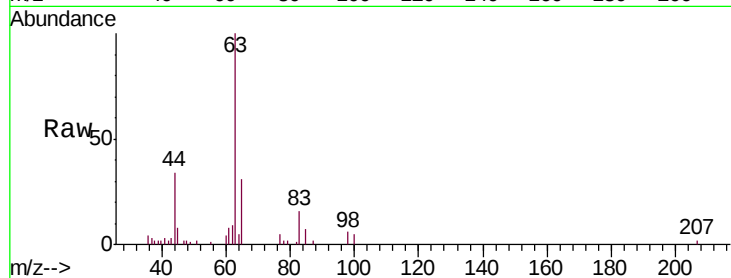
#17
 1,1-Dichloroethane
 Concen: 0.923 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
63	100	16730		
98	6.4		2.9	8.8
100	4.9		2.0	5.8

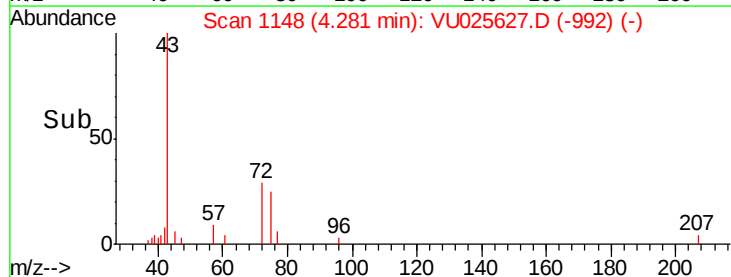
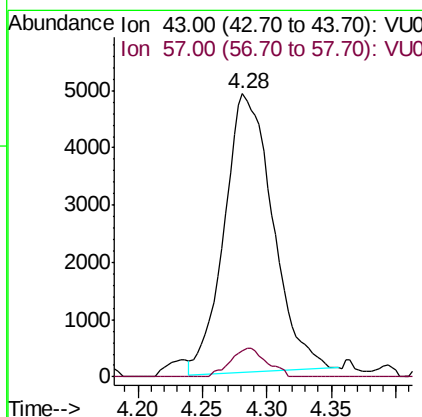
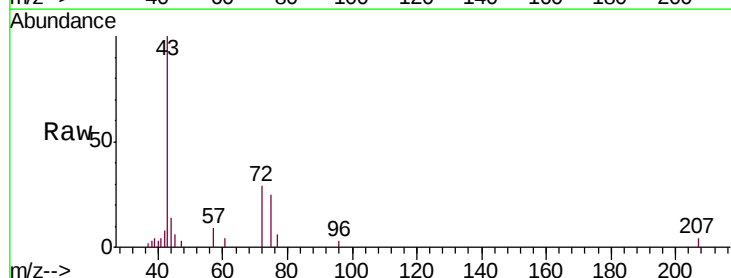
Manual Integrations
 APPROVED

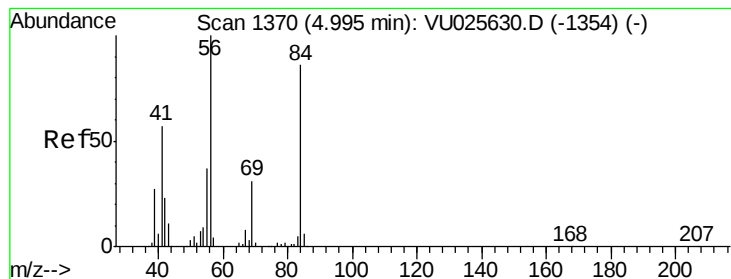
apatel
 7/26/2018 4:26:20 PM



#18
 2-Butanone
 Concen: 5.225 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	12702		
57	9.8		0.0	15.8





#19

Cyclohexane

Concen: 0.832 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 56 Resp: 13037

Ion Ratio Lower Upper

56 100

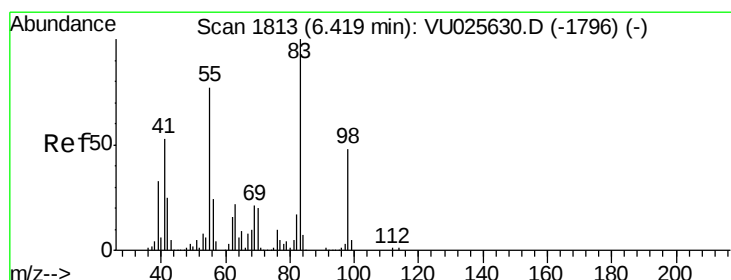
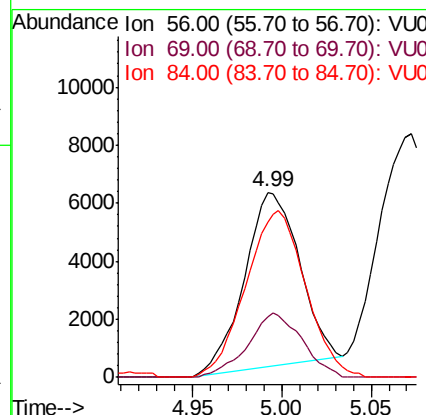
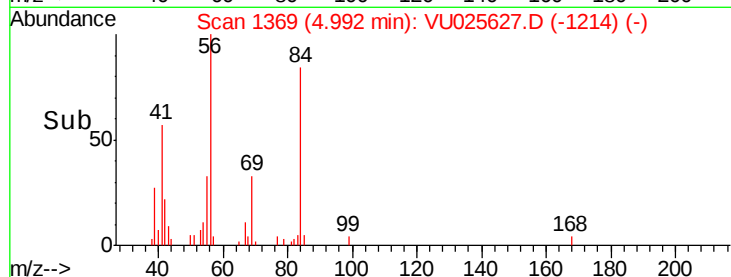
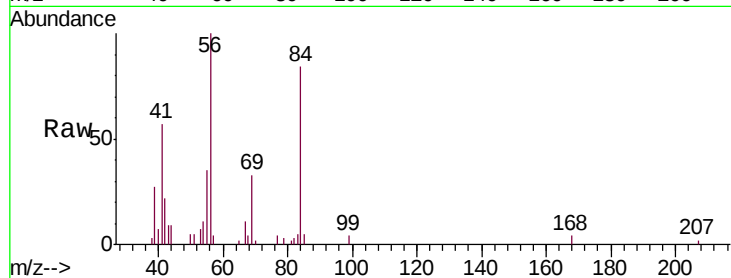
69 36.1 26.0 39.0

84 103.0 68.3 102.5#

Manual Integrations
APPROVED

apatel

7/26/2018 4:26:20 PM



#20

Methylcyclohexane

Concen: 0.988 ug/l

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

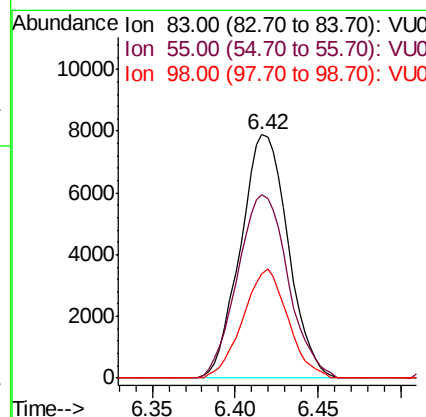
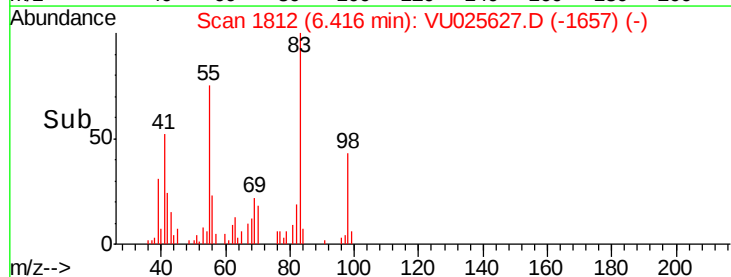
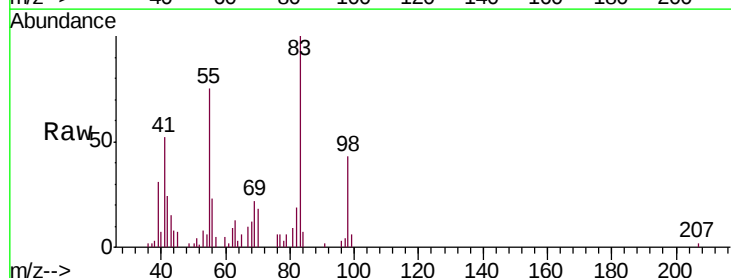
Tgt Ion: 83 Resp: 15781

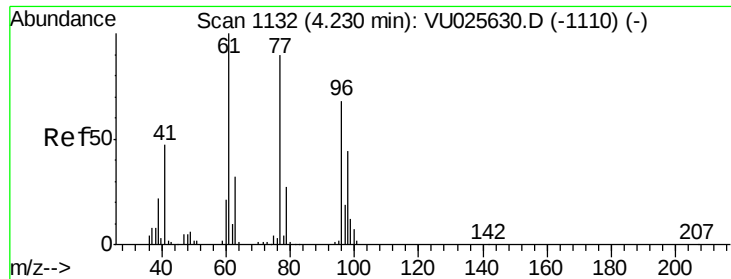
Ion Ratio Lower Upper

83 100

55 80.0 66.4 99.6

98 42.3 35.4 53.2





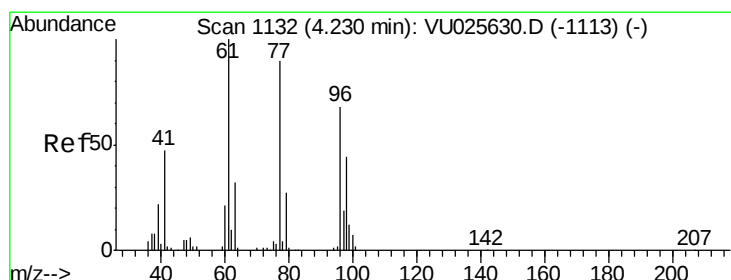
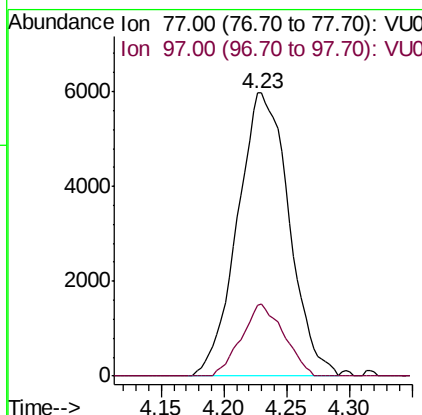
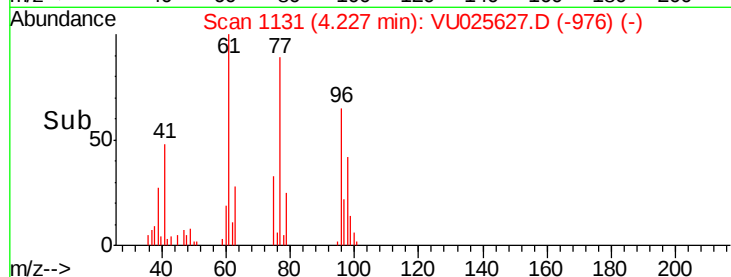
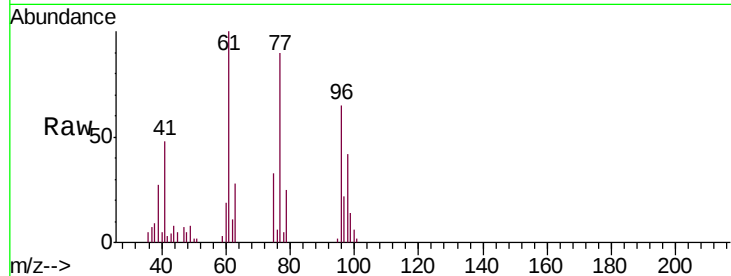
#21
 2,2-Dichloropropane
 Concen: 1.187 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. -0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 17058
 Ion Ratio Lower Upper
 77 100
 97 20.9 17.9 26.9

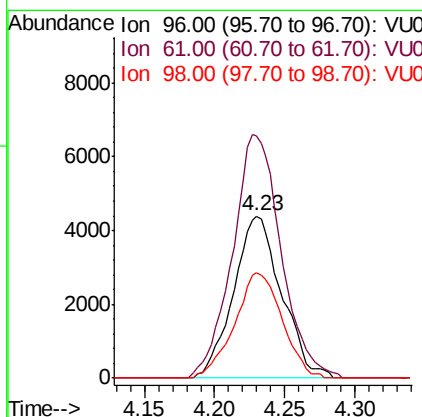
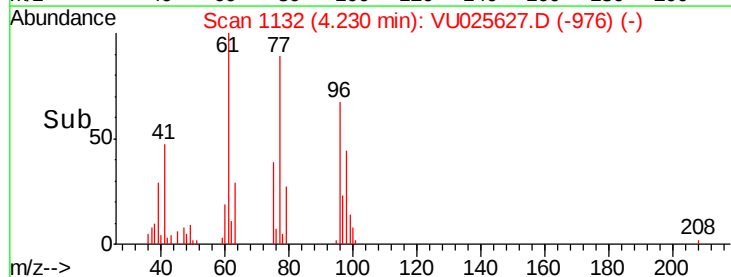
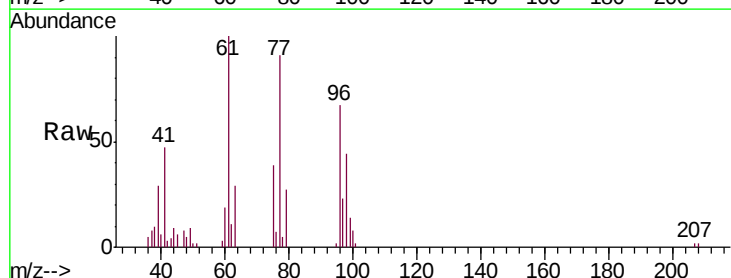
Manual Integrations
 APPROVED

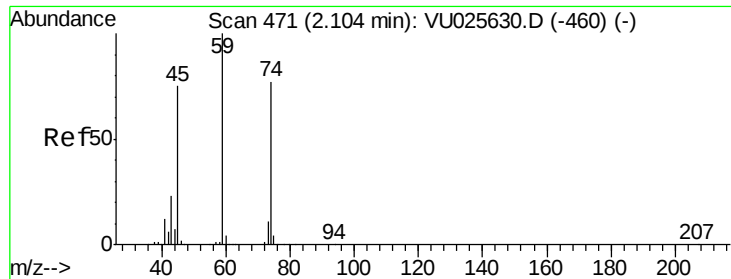
apatel
 7/26/2018 4:26:20 PM



#22
 cis-1,2-Dichloroethene
 Concen: 1.049 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion: 96 Resp: 10449
 Ion Ratio Lower Upper
 96 100
 61 152.2 0.0 400.5
 98 64.4 32.2 96.6





#23

Diethyl Ether

Concen: 0.807 ug/l

RT: 2.11 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

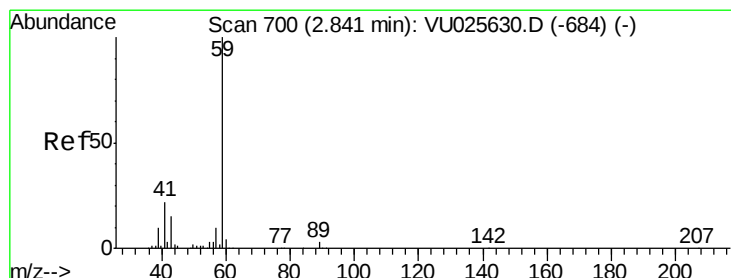
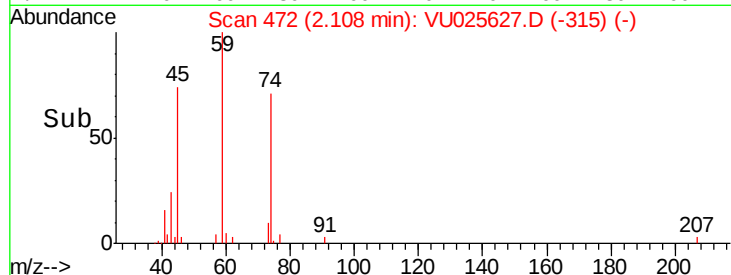
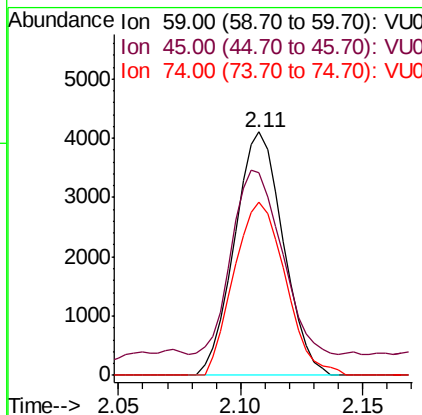
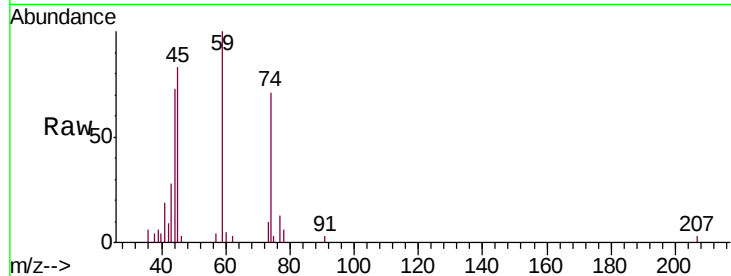
ClientSampleId :

VSTDIC001

Tot Ion:	59	Resp:	5665
Ion Ratio	Lower	Upper	
59	100		
45	77.9	60.0	90.0
74	75.9	56.5	84.7

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM



#24

tert-Butyl Alcohol

Concen: 14.204 ug/l

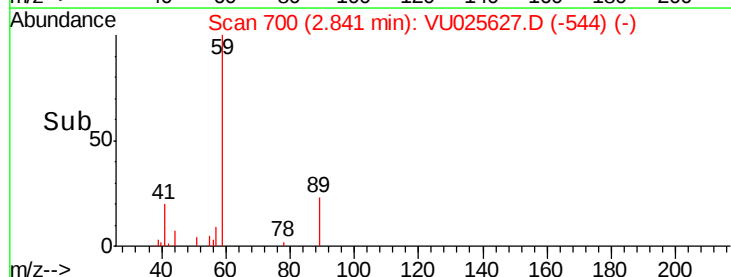
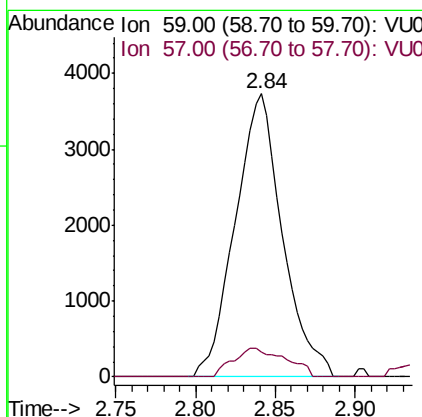
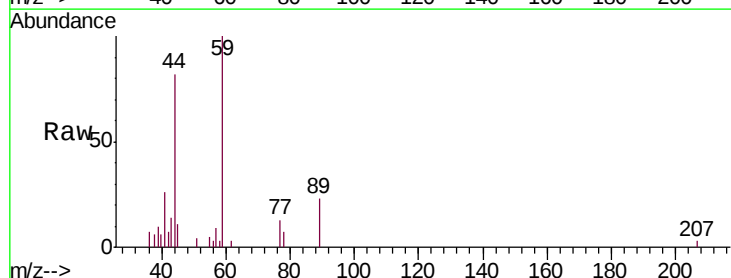
RT: 2.84 min Scan# 700

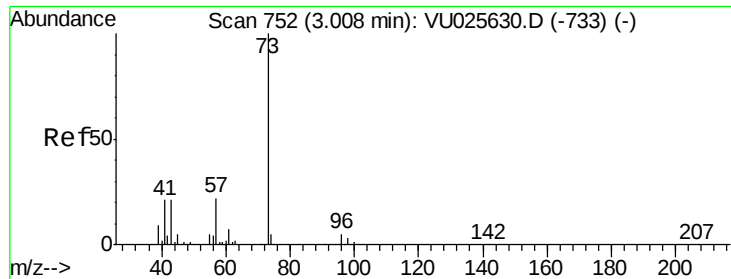
Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Tgt Ion:	59	Resp:	7521
Ion Ratio	Lower	Upper	
59	100		
57	11.4	3.4	5.2#





#25

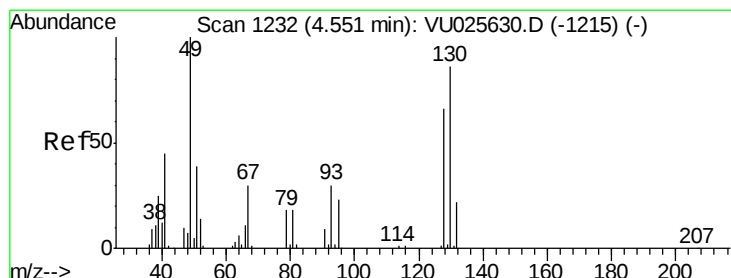
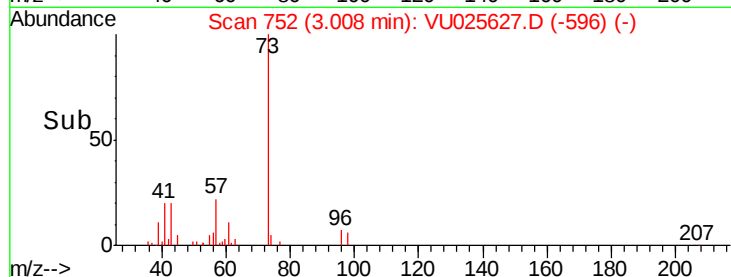
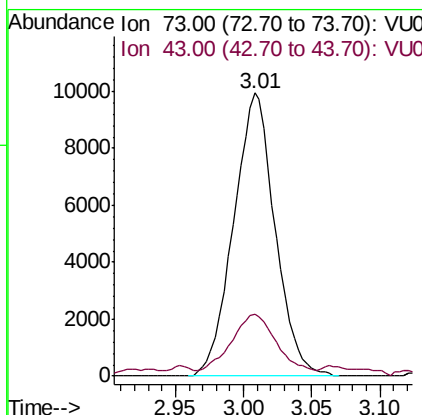
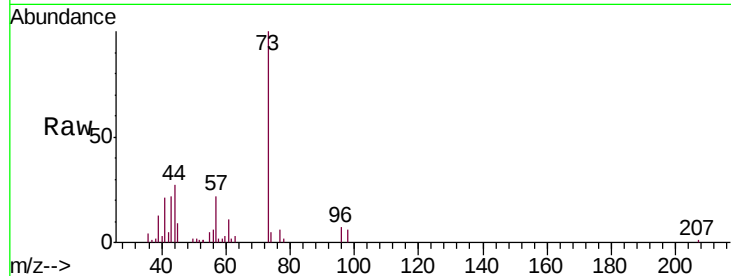
Methyl tert-Butyl Ether
 Concen: 0.969 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.9	16.2	24.2

Manual Integrations
 APPROVED

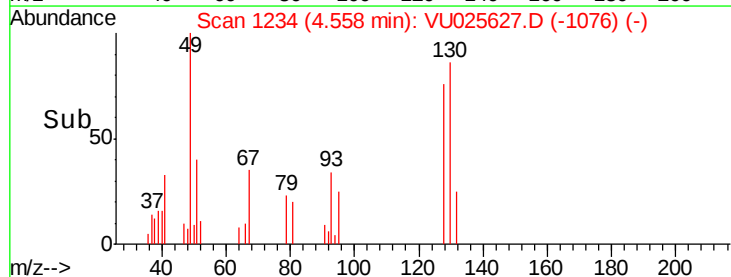
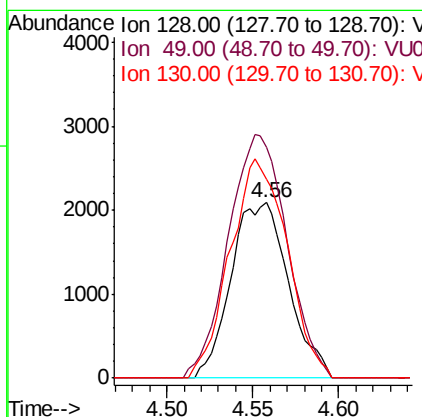
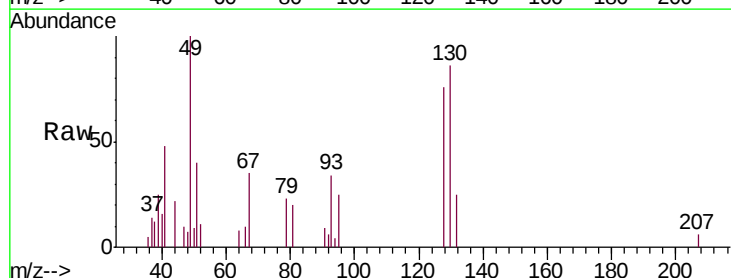
apatel
 7/26/2018 4:26:20 PM

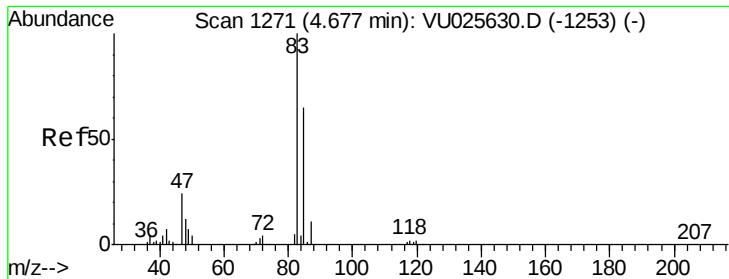


#26

Bromochloromethane
 Concen: 1.233 ug/l
 RT: 4.56 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
128	100		
49	141.1	0.0	375.2
130	124.2	105.8	158.6





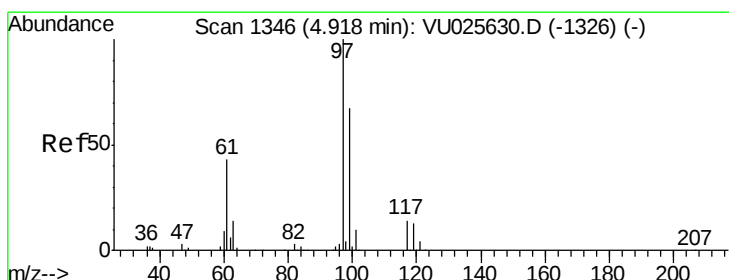
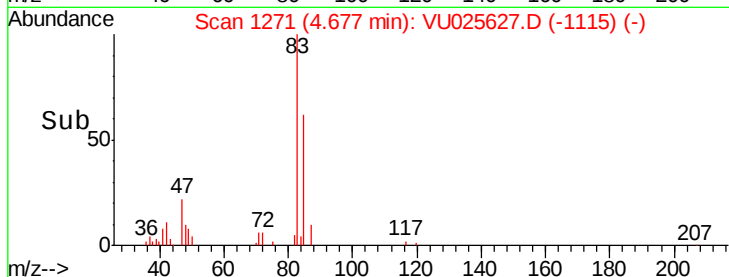
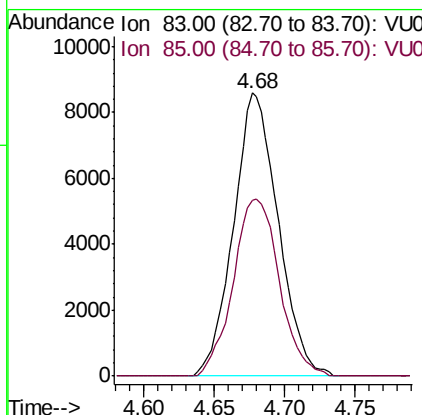
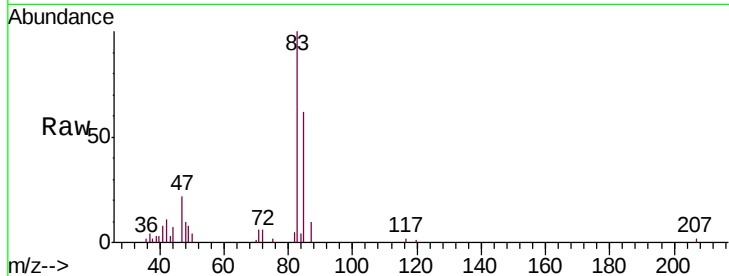
#27
Chloroform
Concen: 1.114 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	19020
Ion Ratio	100	Lower	Upper
85	62.4	0.0	128.4

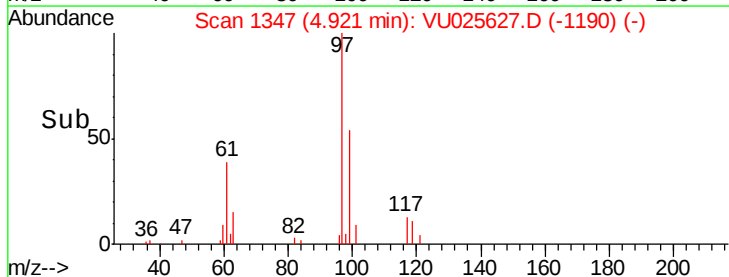
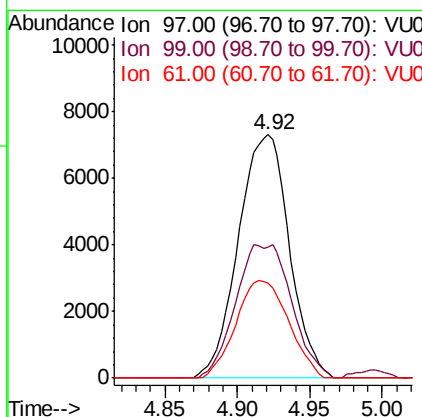
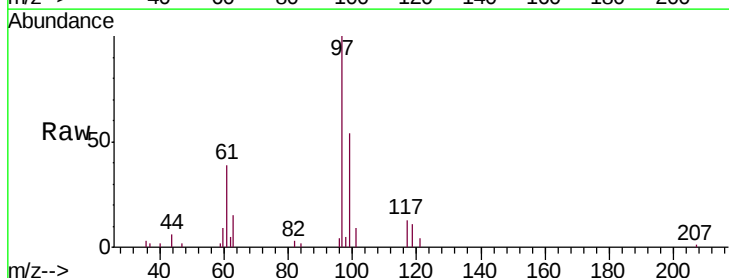
Manual Integrations
APPROVED

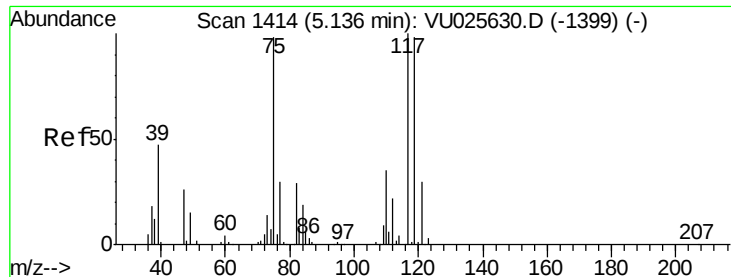
apatel
7/26/2018 4:26:20 PM



#28
1,1,1-Trichloroethane
Concen: 1.274 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	97	Resp	17843
Ion Ratio	100	Lower	Upper
99	31.4	32.3	96.9#
61	41.5	23.2	69.5





#29

1,1-Dichloropropene

Concen: 0.997 ug/l

RT: 5.14 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

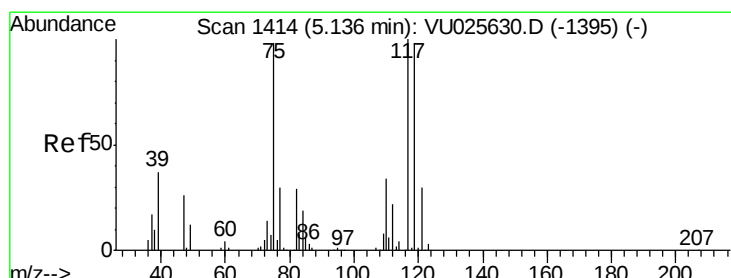
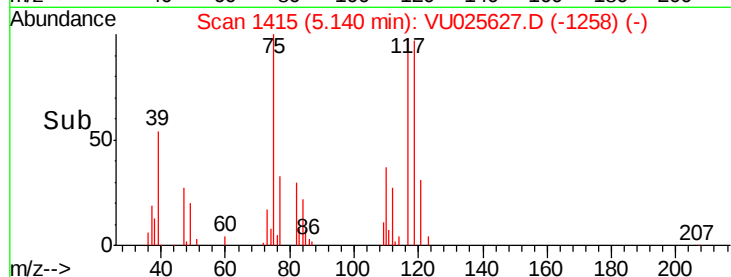
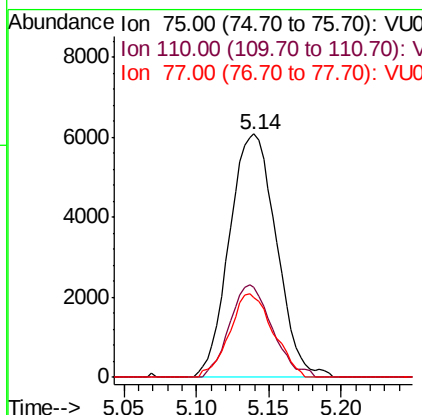
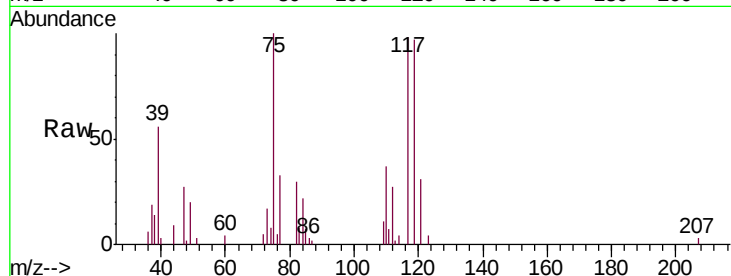
VSTDIC001

Tot Ion:	75	Resp:	13706
Ion Ratio	Lower	Upper	
75	100		
110	34.5	16.9	50.7
77	31.9	24.8	37.2

Manual Integrations
APPROVED

apatel

7/26/2018 4:26:20 PM



#30

Carbon Tetrachloride

Concen: 1.221 ug/l

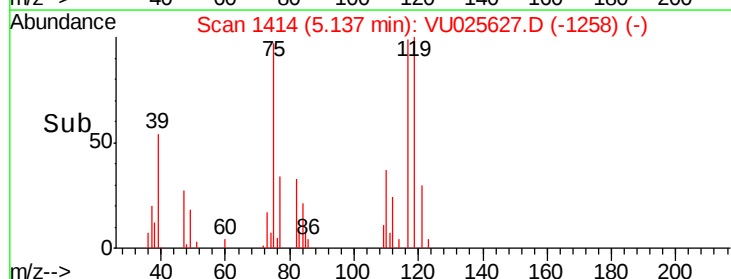
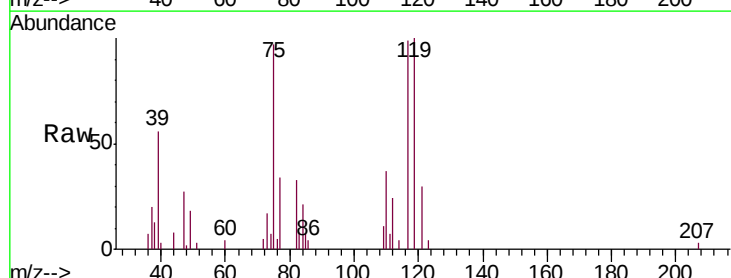
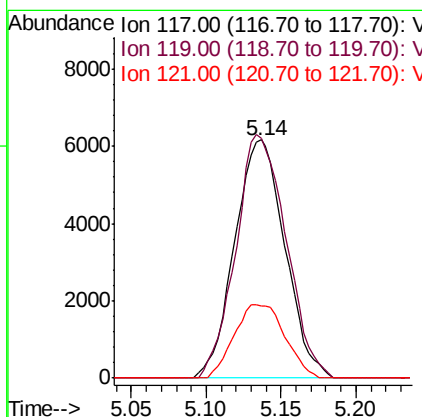
RT: 5.14 min Scan# 1414

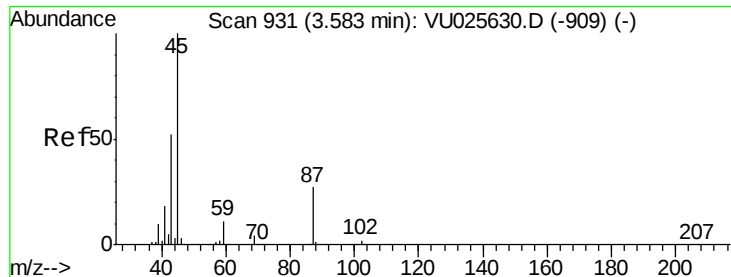
Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Tgt Ion:	117	Resp:	14385
Ion Ratio	Lower	Upper	
117	100		
119	100.7	77.3	115.9
121	30.0	24.5	36.7





#31

Isopropyl Ether

Concen: 0.896 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 27403

Ion Ratio Lower Upper

45 100

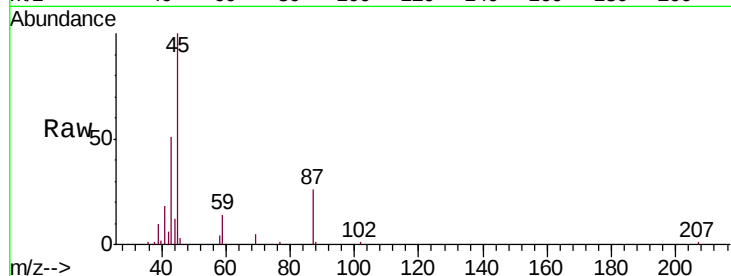
43 56.5 24.0 72.0

Manual Integrations

APPROVED

apatel

7/26/2018 4:26:20 PM



Abundance Ion 45.00 (44.70 to 45.70): VU025630.D (-909) (-)

Ion 43.00 (42.70 to 43.70): VU025630.D (-909) (-)

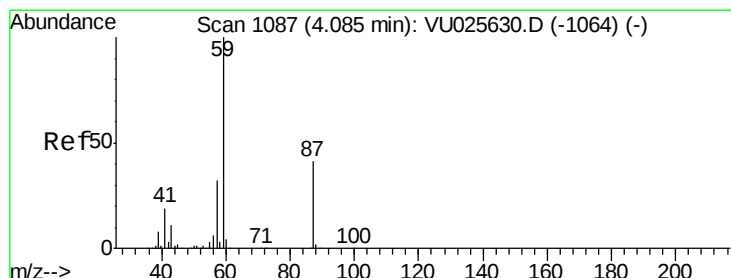
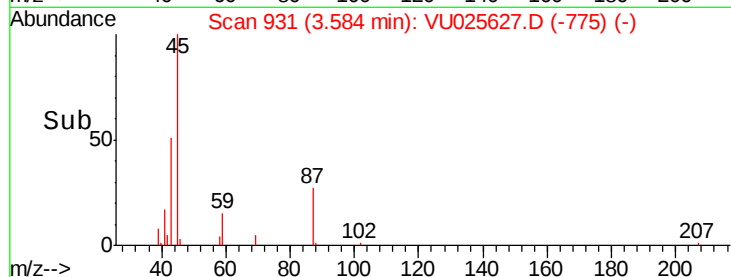
3.58

10000

5000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 0.975 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VU025627.D

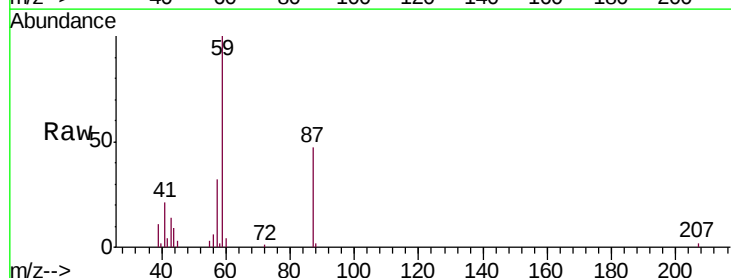
Acq: 25 Jul 2018 10:13

Tgt Ion: 59 Resp: 25490

Ion Ratio Lower Upper

59 100

87 43.7 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU025630.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VU025630.D (-1064) (-)

4.08

10000

8000

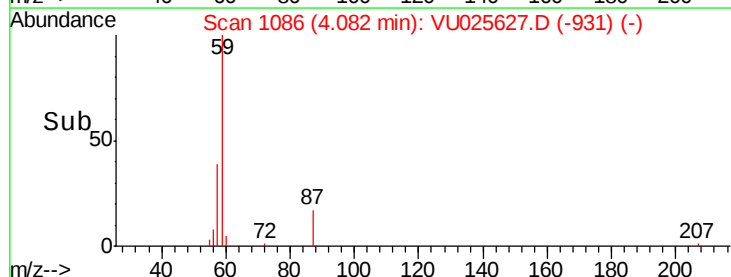
6000

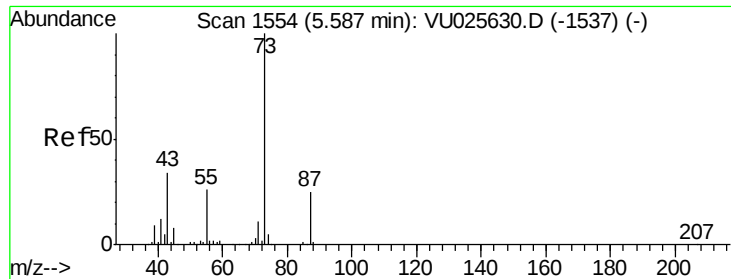
4000

2000

0

Time-->





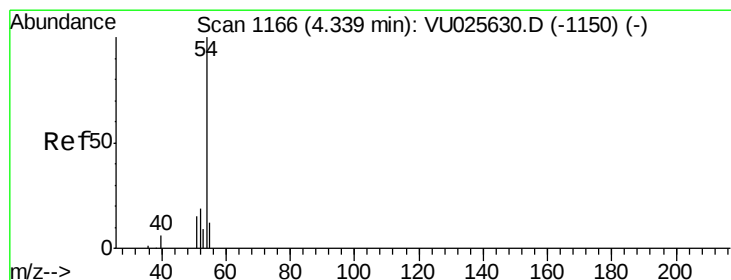
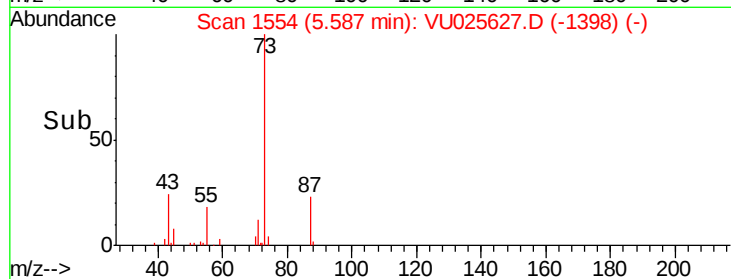
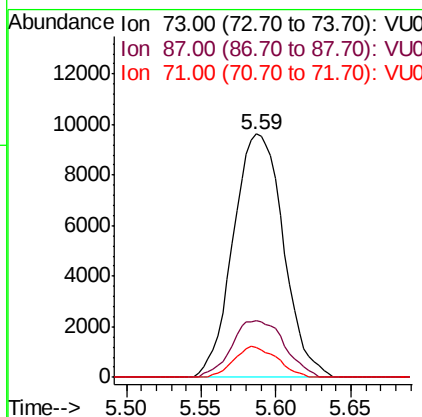
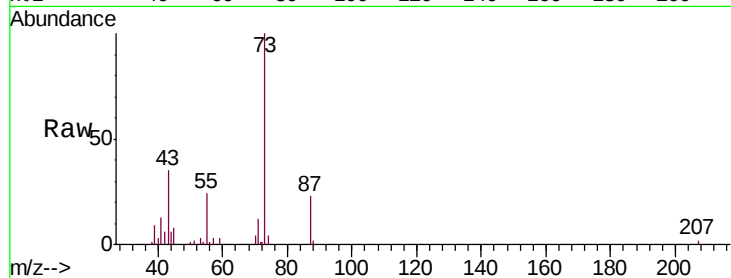
#33
Tert-Butyl methyl ether
Concen: 1.014 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.5	18.6	28.0
71	10.9	9.3	13.9

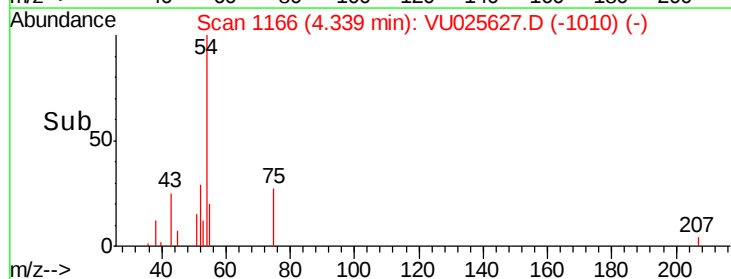
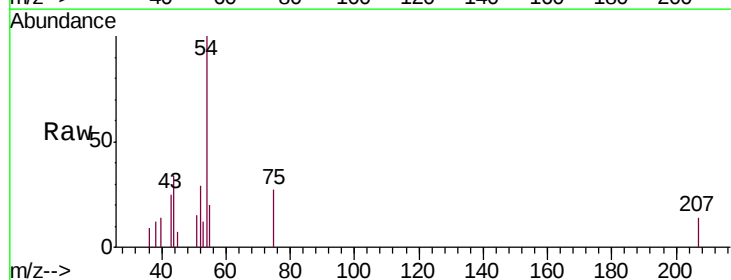
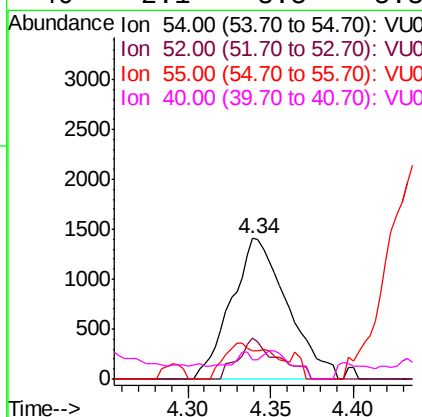
Manual Integrations
APPROVED

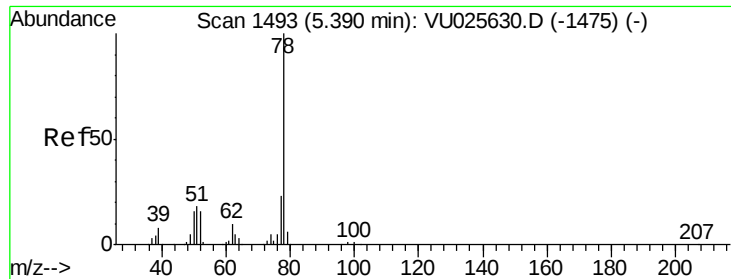
apatel
7/26/2018 4:26:20 PM



#34
Propionitrile
Concen: 4.775 ug/l
RT: 4.34 min Scan# 1166
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.5	13.7	20.5#
55	22.2	10.2	15.2#
40	2.1	3.5	5.3#





#35

Benzene

Concen: 0.953 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 38931

Ion Ratio Lower Upper

78 100

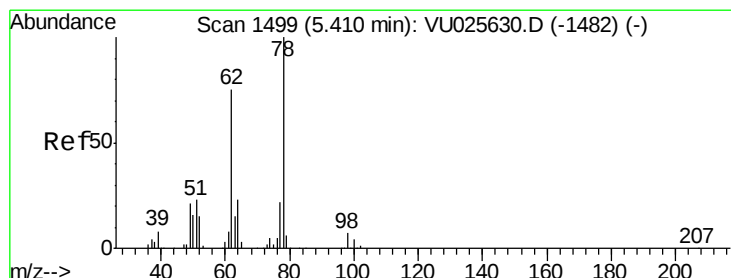
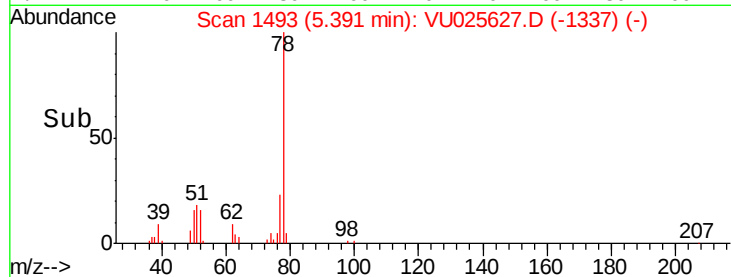
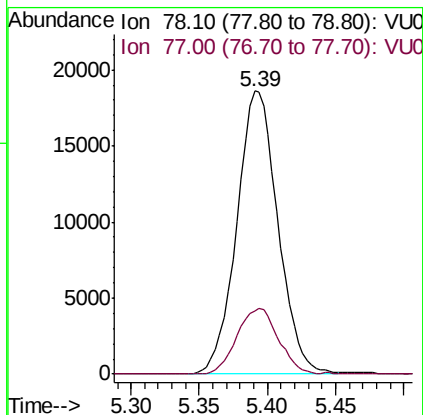
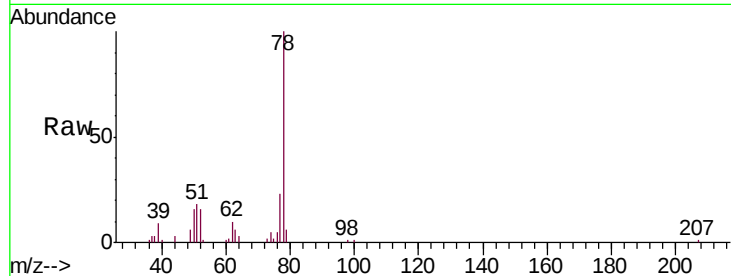
77 22.6 19.1 28.7

Manual Integrations

APPROVED

apatel

7/26/2018 4:26:20 PM



#36

1,2-Dichloroethane

Concen: 1.021 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU025627.D

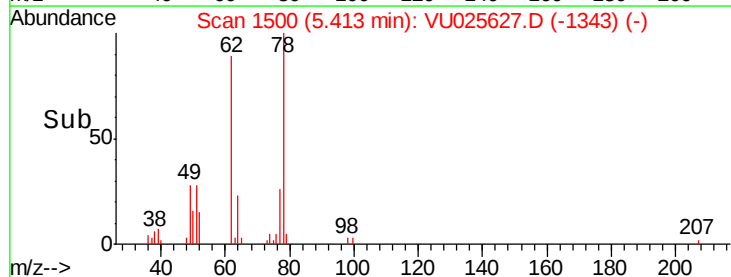
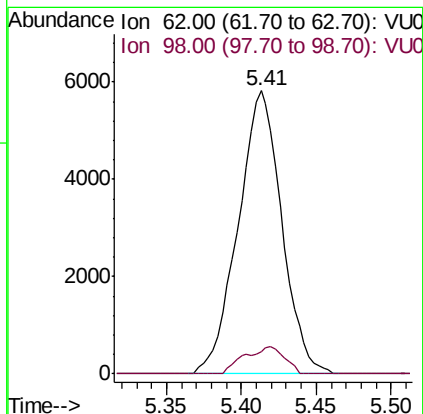
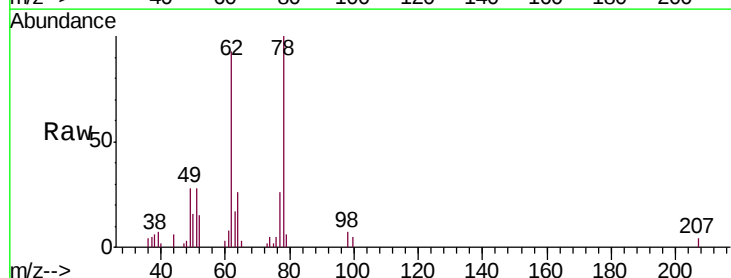
Acq: 25 Jul 2018 10:13

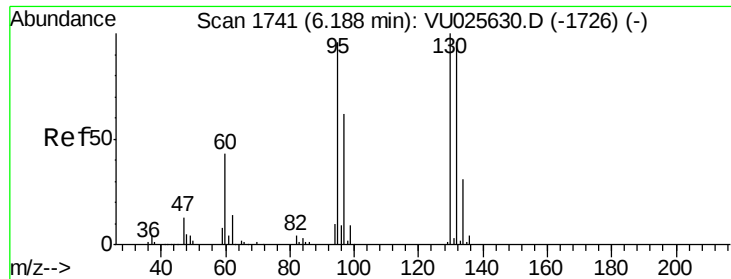
Tgt Ion: 62 Resp: 11789

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8





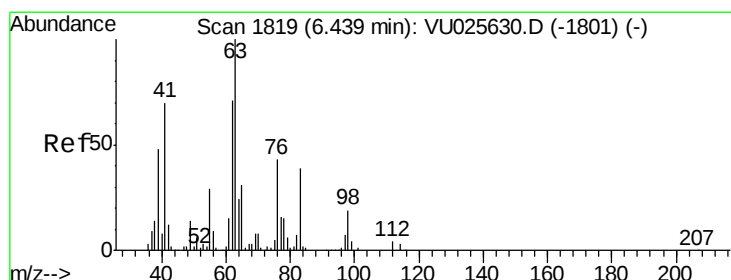
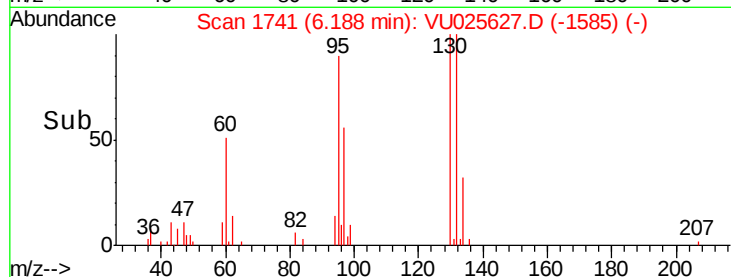
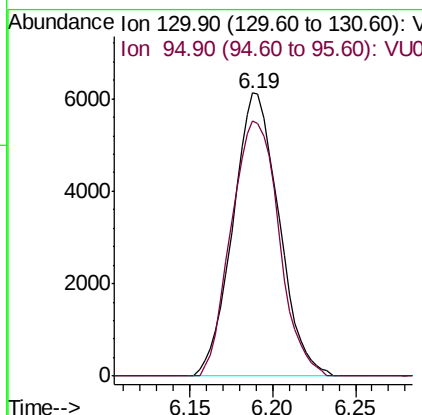
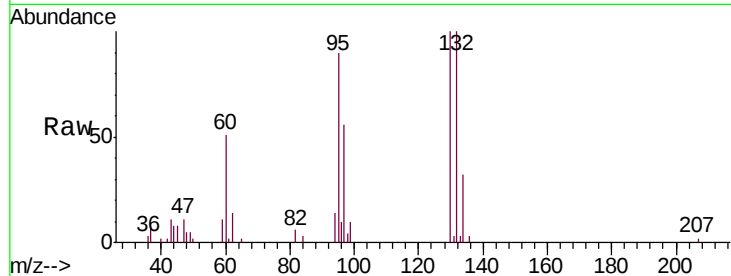
#37
 Trichloroethene
 Concen: 1.082 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
130	100		
95	90.3	77.9	116.9

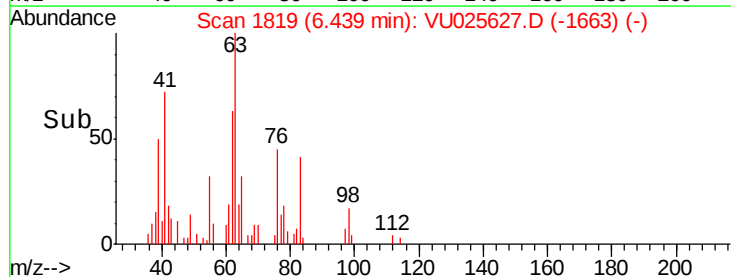
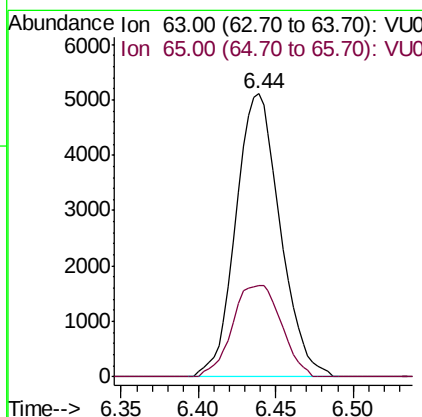
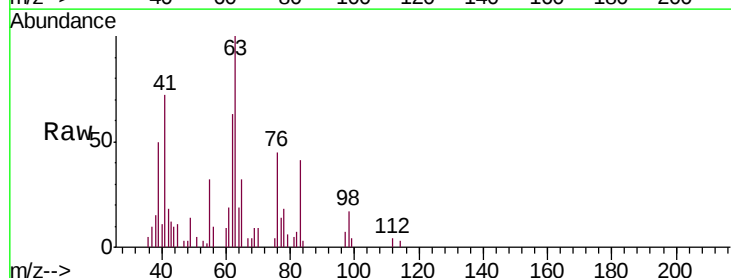
Manual Integrations
 APPROVED

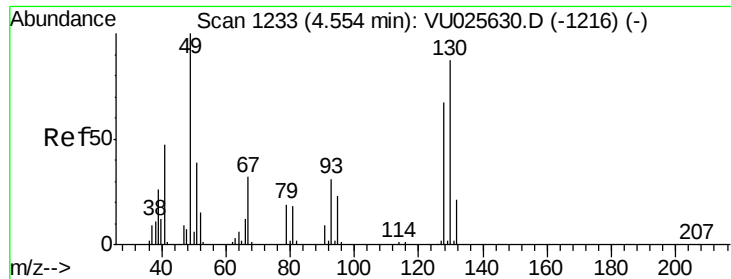
apatel
 7/26/2018 4:26:20 PM



#38
 1,2-Dichloropropane
 Concen: 0.910 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.8	38.8





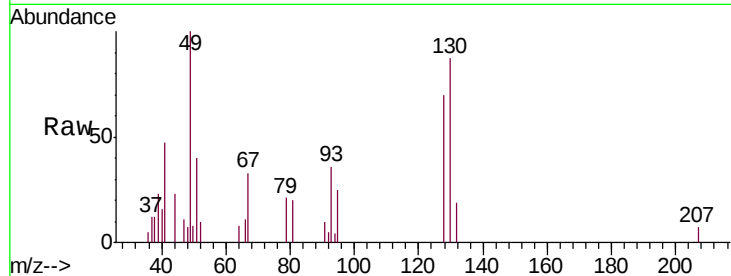
#39
Methacrylonitrile
Concen: 0.874 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion:	41	Resp:	3093
Ion	Ratio	Lower	Upper
41	100		
67	68.1	51.3	76.9
39	64.2	40.6	60.8#
52	25.1	21.5	32.3

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM



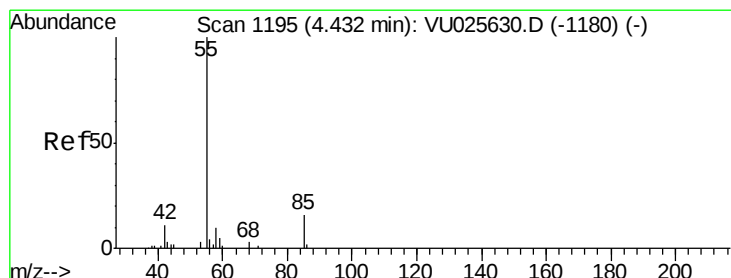
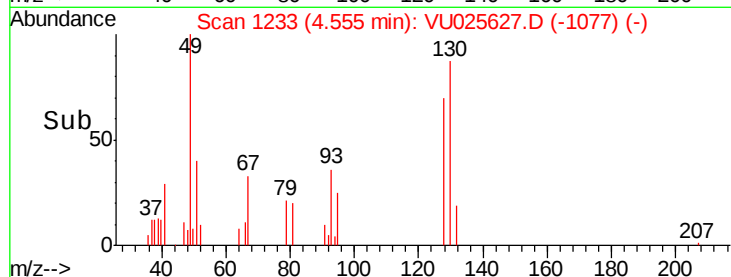
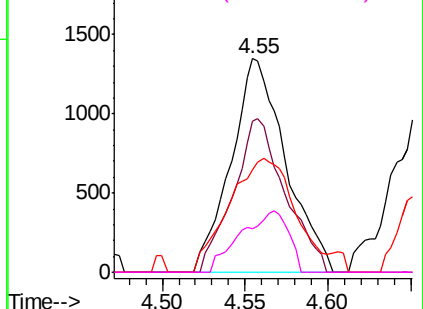
Abundance

Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#40
Methyl acrylate
Concen: 0.993 ug/l
RT: 4.44 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion:	55	Resp:	4877
Ion	Ratio	Lower	Upper
55	100		
85	15.9	12.3	18.5
58	4.6	7.0	10.6#
42	9.3	7.0	10.4

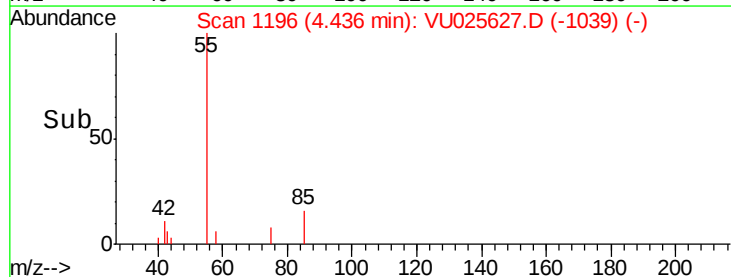
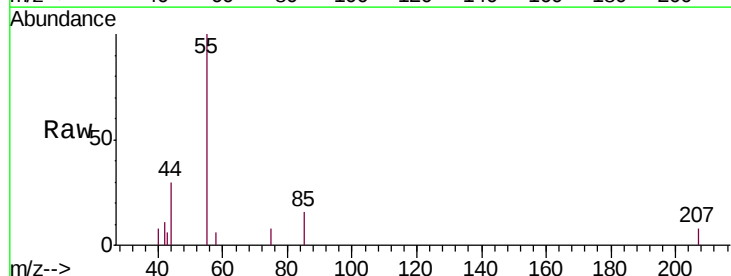
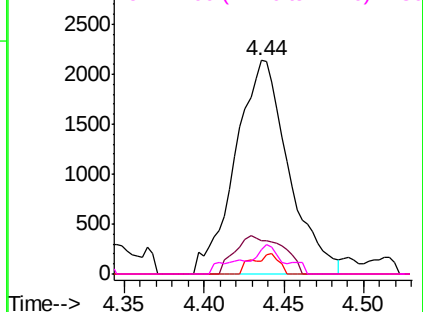
Abundance

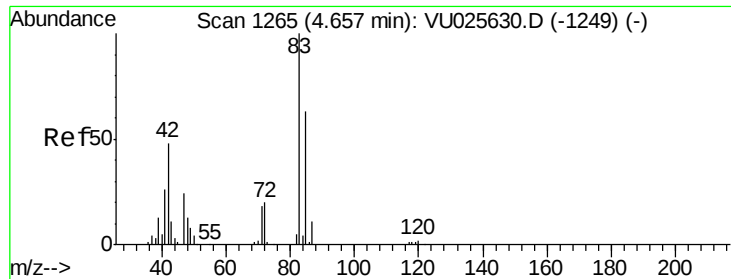
Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





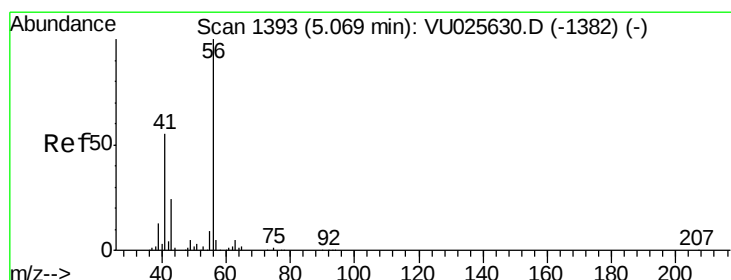
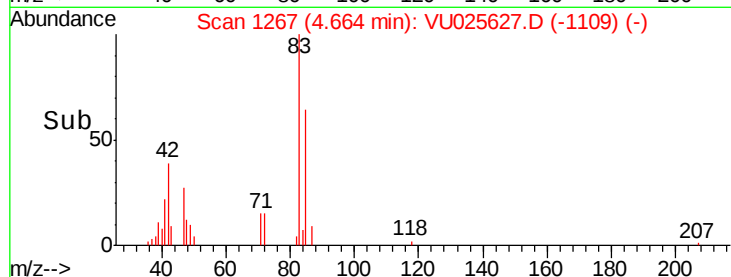
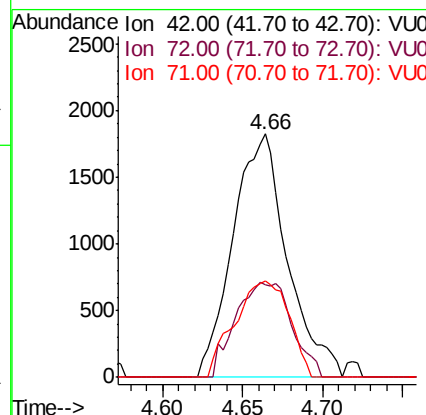
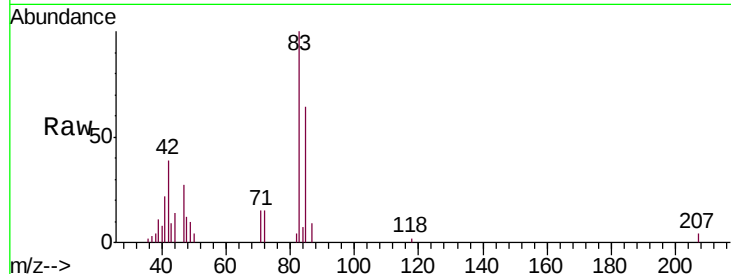
#41
Tetrahydrofuran
Concen: 2.334 ug/l
RT: 4.66 min Scan# 1267
Delta R.T. 0.01 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.2	49.8
71	39.4	29.8	44.8

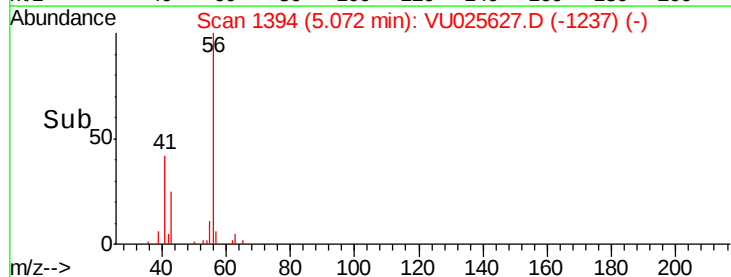
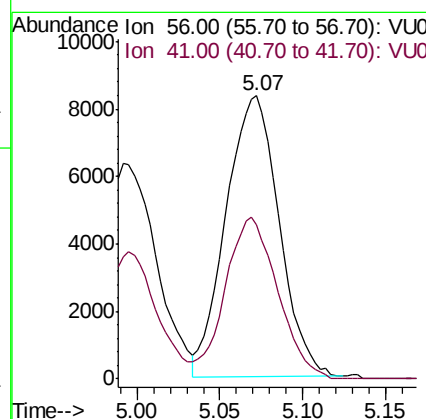
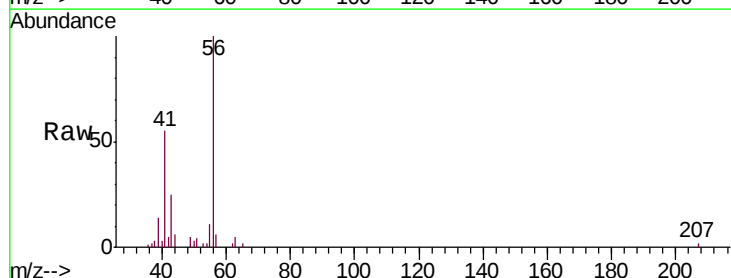
Manual Integrations
APPROVED

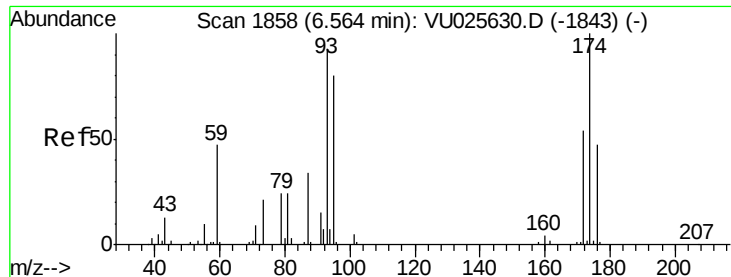
apatel
7/26/2018 4:26:20 PM



#42
1-Chlorobutane
Concen: 0.930 ug/l
RT: 5.07 min Scan# 1394
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.7	27.5	82.5





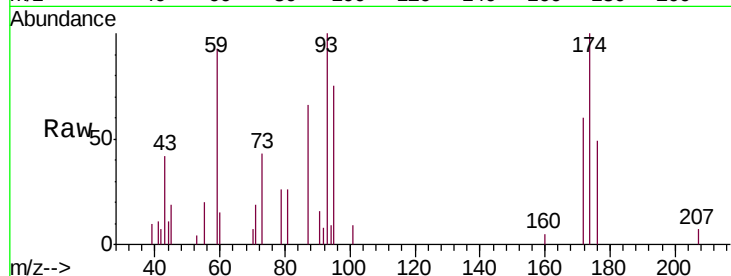
#43
Dibromomethane
Concen: 1.062 ug/l
RT: 6.56 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

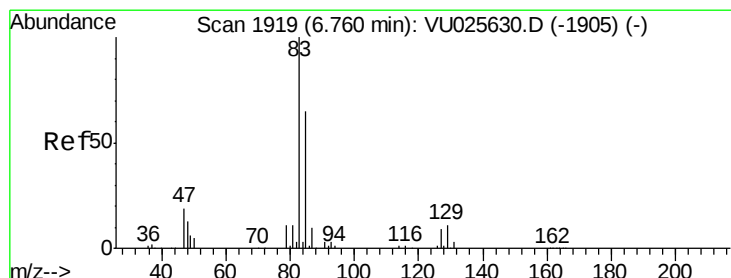
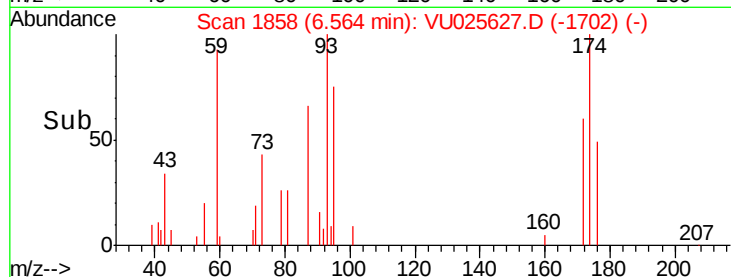
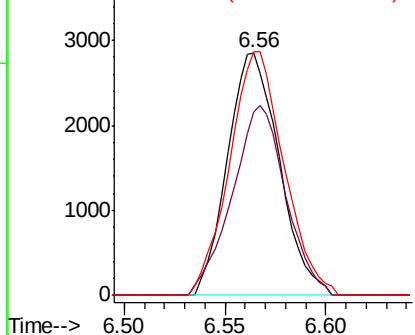
Tot Ion	Ratio	Lower	Upper
93	100		
95	81.0	67.2	100.8
174	105.7	82.8	124.2

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM



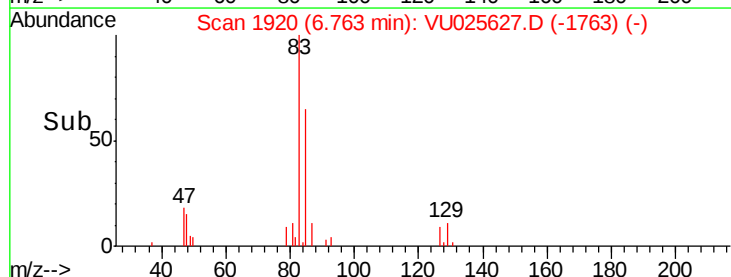
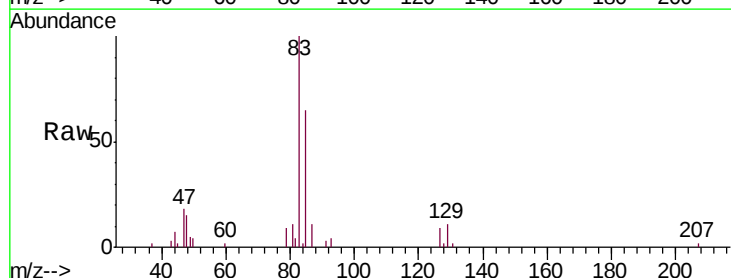
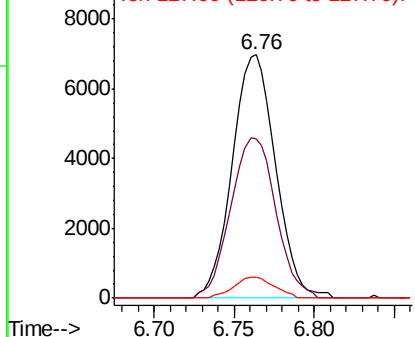
Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

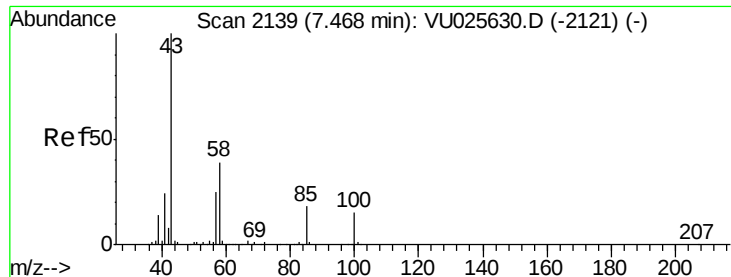


#44
Bromodichloromethane
Concen: 1.064 ug/l
RT: 6.76 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4
127	8.8	7.0	10.4

Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 127.00 (126.70 to 127.70): V





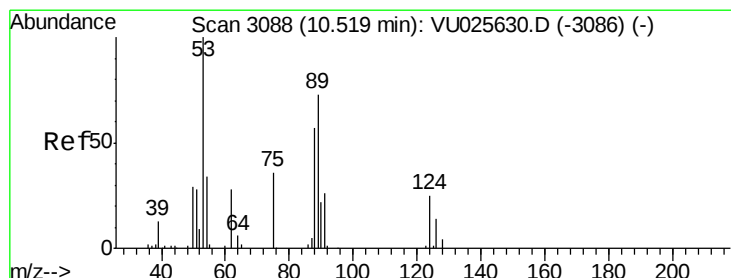
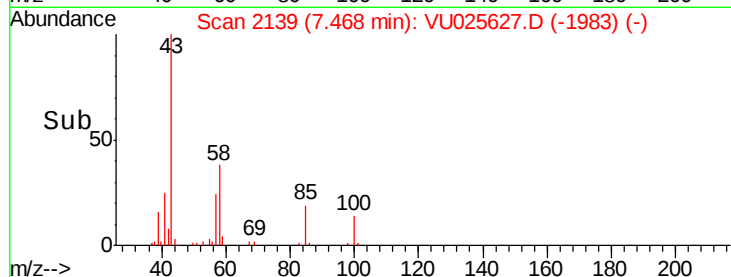
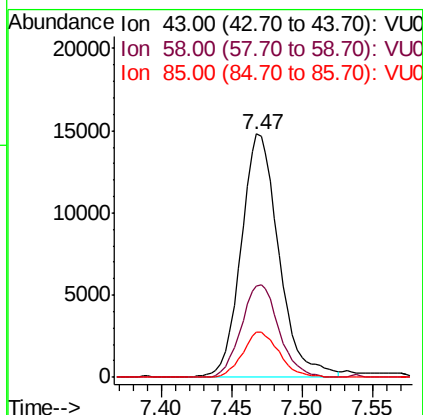
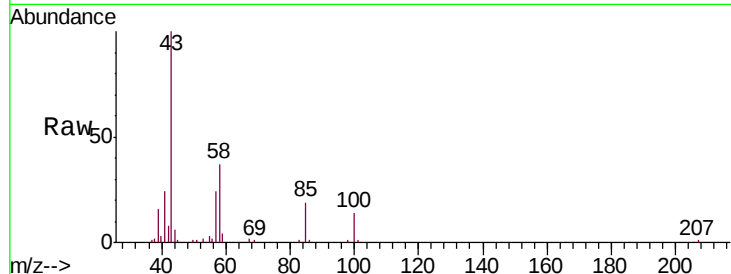
#45
4-Methyl-2-Pentanone
Concen: 4.877 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	18.8	56.4
85	18.1	12.6	19.0

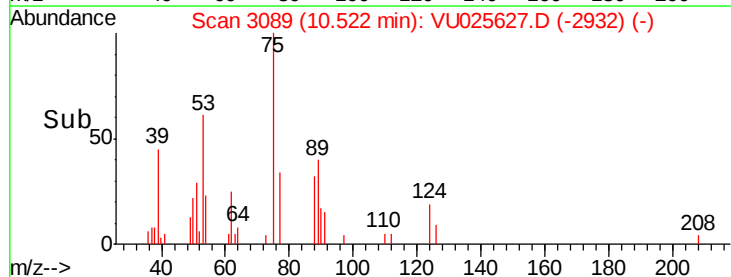
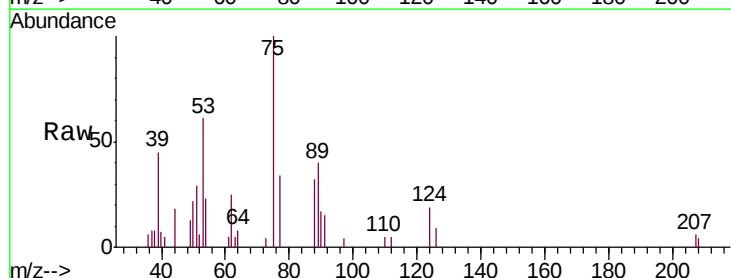
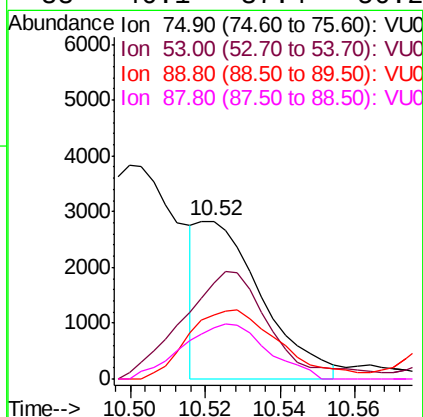
Manual Integrations
APPROVED

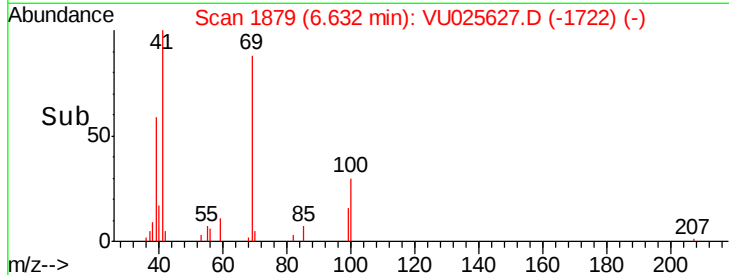
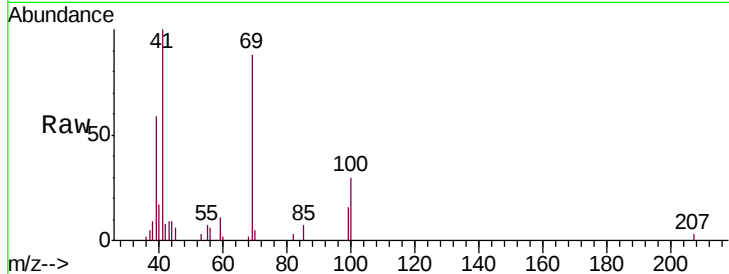
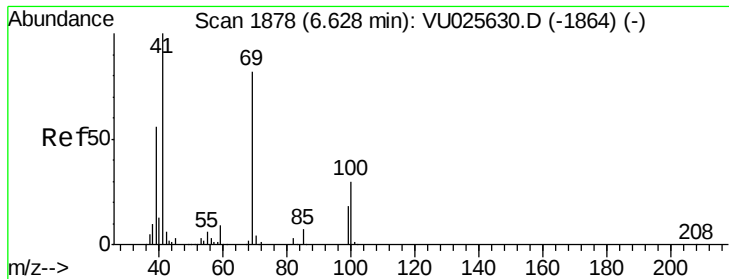
apatel
7/26/2018 4:26:20 PM



#46
t-1,4-Dichloro-2-butene
Concen: 2.014 ug/l m
RT: 10.52 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.2	82.2	123.4
89	63.0	51.3	76.9
88	46.1	37.4	56.2





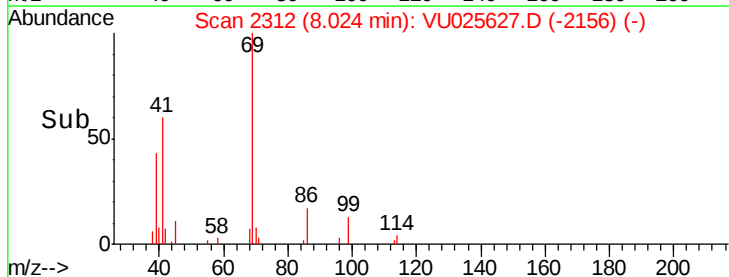
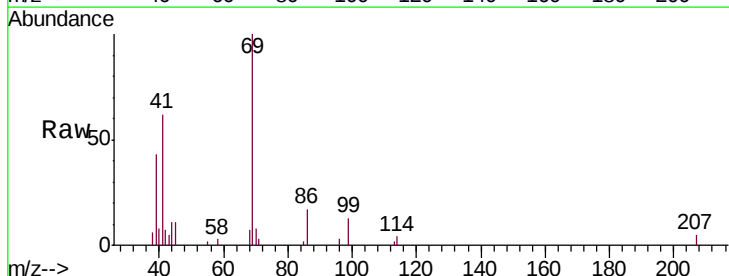
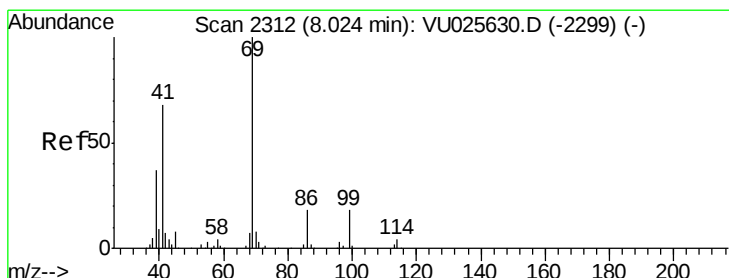
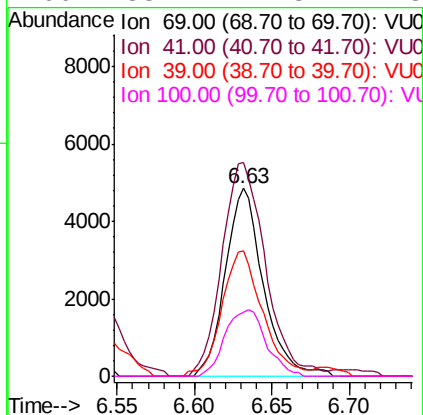
#47
Methyl methacrylate
Concen: 1.898 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	130.1	0.0	245.4	
39	71.3	49.0	73.4	
100	38.1	27.8	41.8	

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

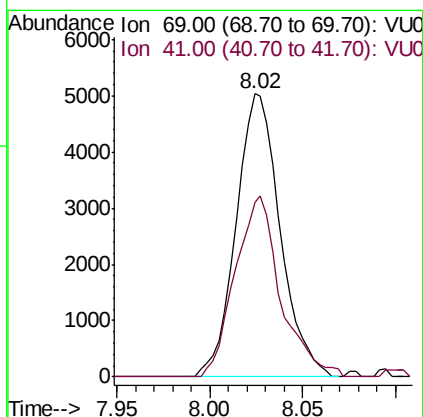
Manual Integrations
APPROVED

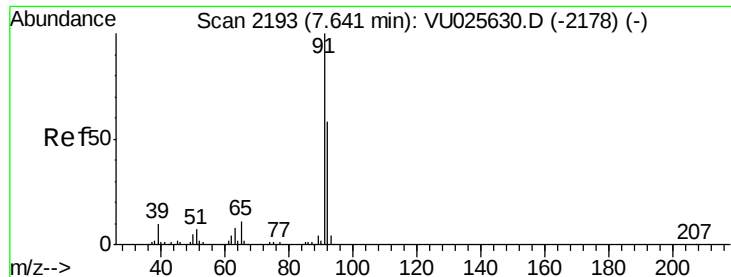
apatel
7/26/2018 4:26:20 PM



#48
Ethyl methacrylate
Concen: 1.088 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	65.9	34.2	102.5	





#49

Toluene

Concen: 0.960 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 22638

Ion Ratio Lower Upper

92 100

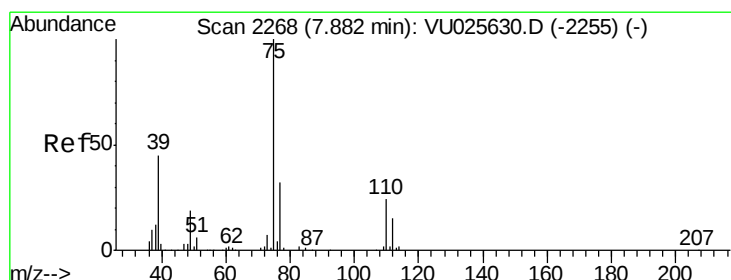
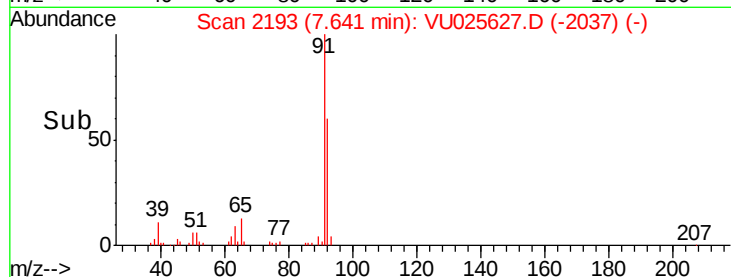
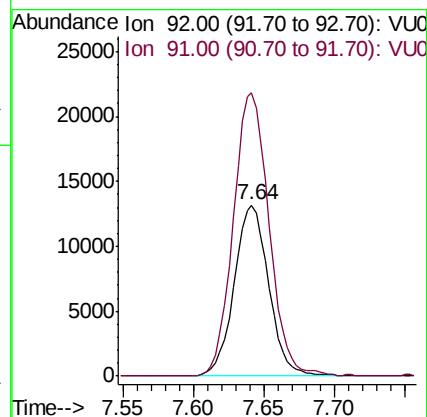
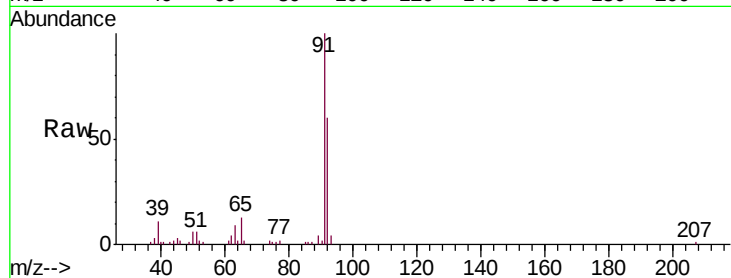
91 170.8 137.1 205.7

Manual Integrations

APPROVED

apatel

7/26/2018 4:26:20 PM



#50

t-1,3-Dichloropropene

Concen: 1.095 ug/l

RT: 7.89 min Scan# 2270

Delta R.T. 0.01 min

Lab File: VU025627.D

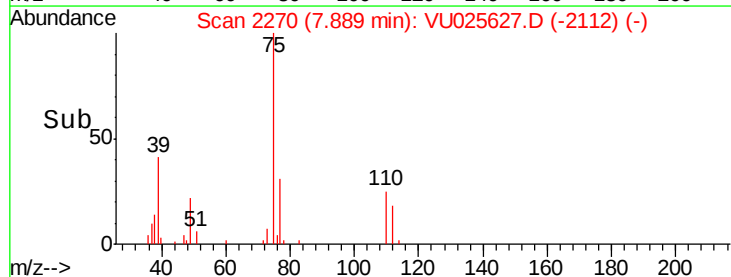
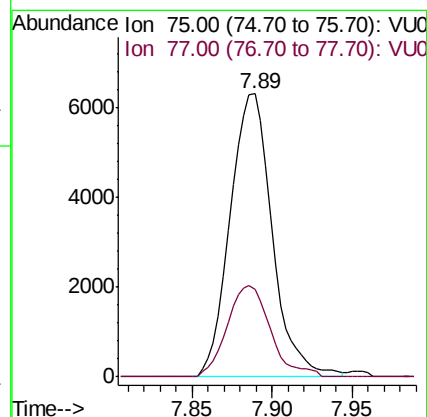
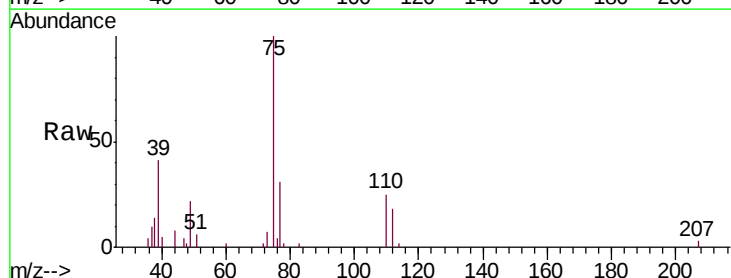
Acq: 25 Jul 2018 10:13

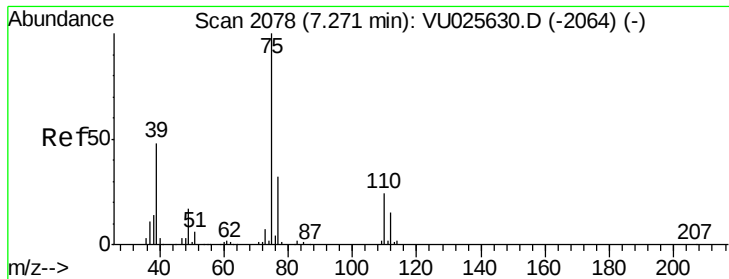
Tgt Ion: 75 Resp: 11309

Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8





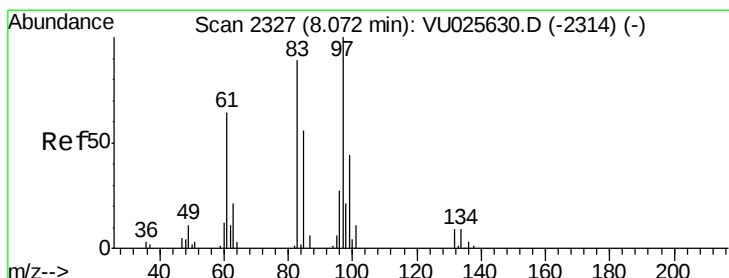
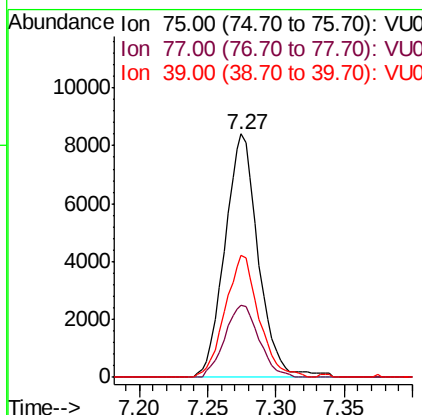
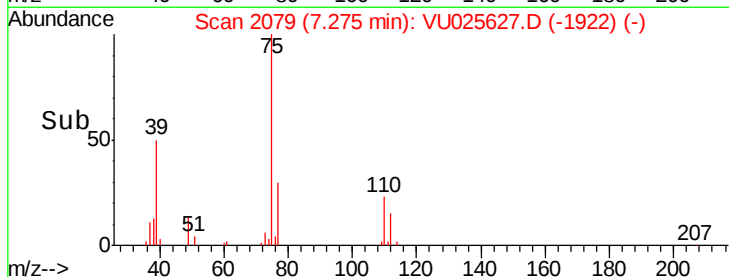
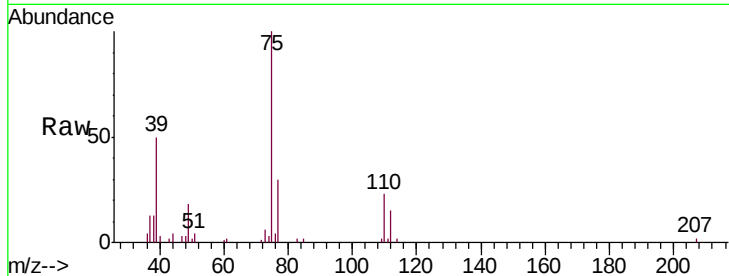
#51
 cis-1,3-Dichloropropene
 Concen: 1.068 ug/l
 RT: 7.27 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.2	37.8
39	50.2	36.4	54.6

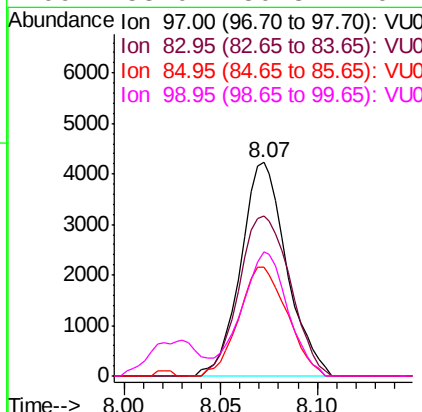
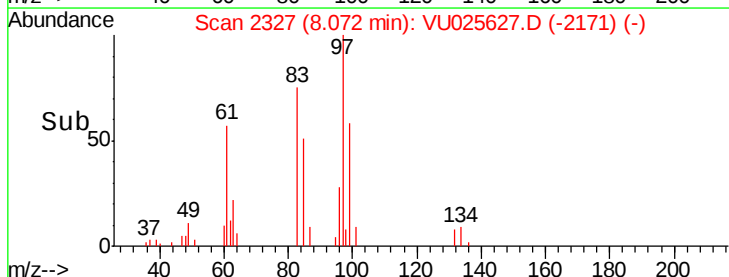
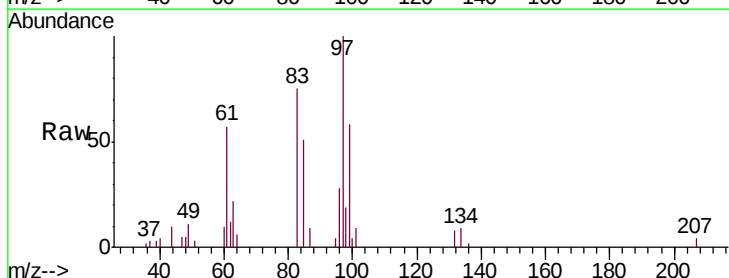
Manual Integrations
 APPROVED

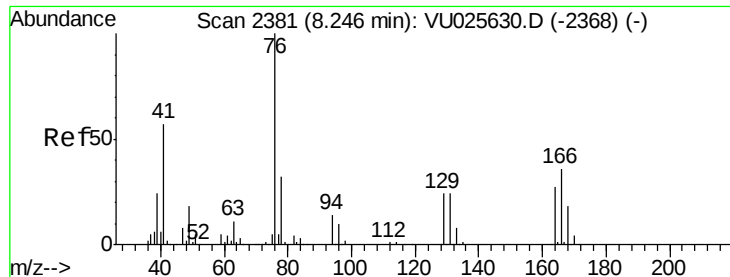
apatel
 7/26/2018 4:26:20 PM



#52
 1,1,2-Trichloroethane
 Concen: 1.017 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.7	72.6	109.0
85	51.1	47.2	70.8
99	58.0	50.8	76.2





#53

1,3-Dichloropropane

Concen: 0.938 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 11429

Ion Ratio Lower Upper

76 100

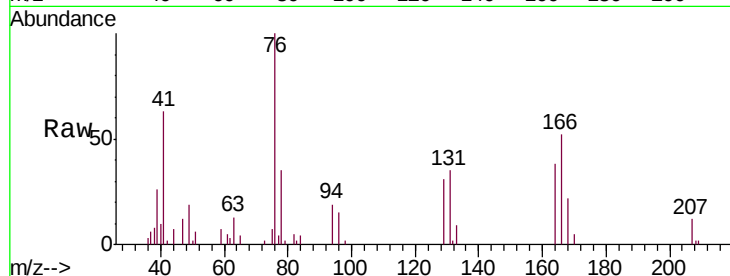
78 33.5 25.7 38.5

Manual Integrations

APPROVED

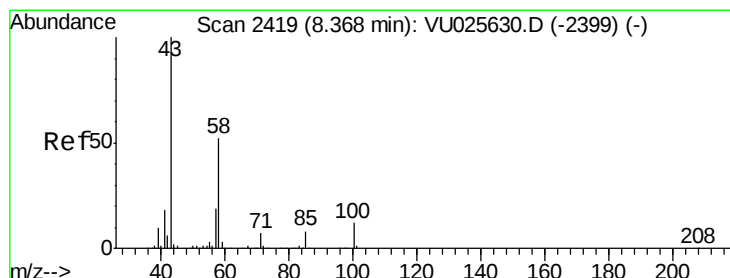
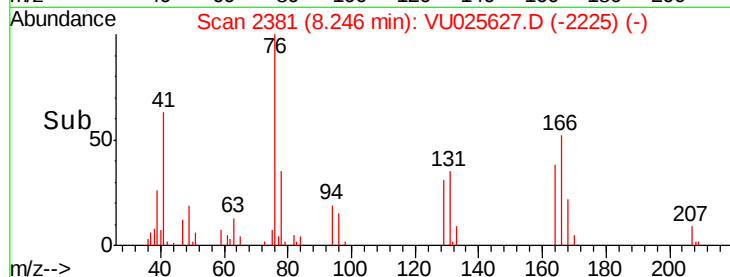
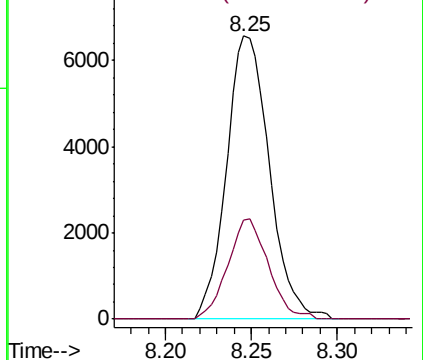
apatel

7/26/2018 4:26:20 PM



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 4.939 ug/l

RT: 8.37 min Scan# 2420

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

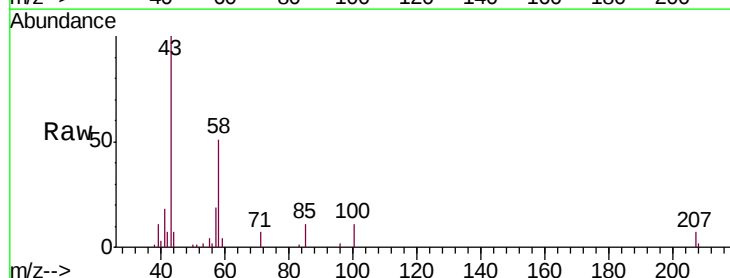
Tgt Ion: 43 Resp: 19156

Ion Ratio Lower Upper

43 100

58 50.6 32.5 72.5

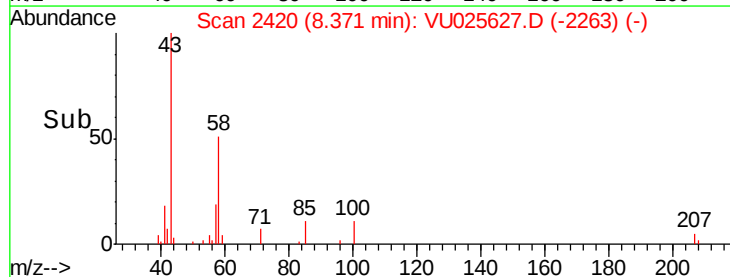
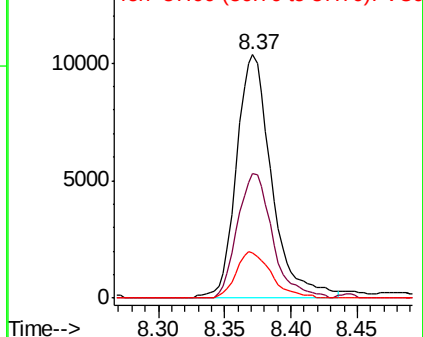
57 19.1 0.0 37.9

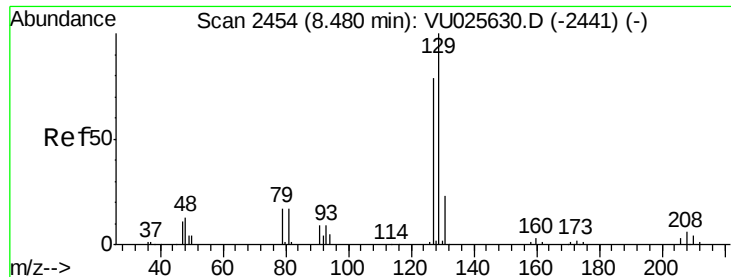


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





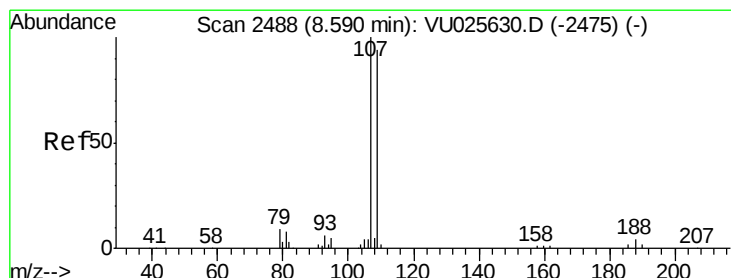
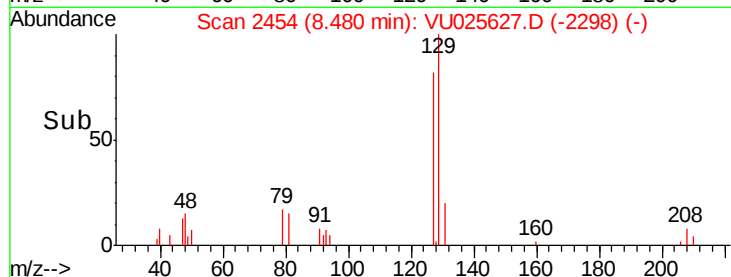
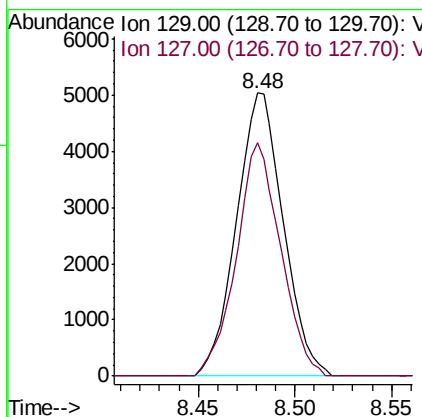
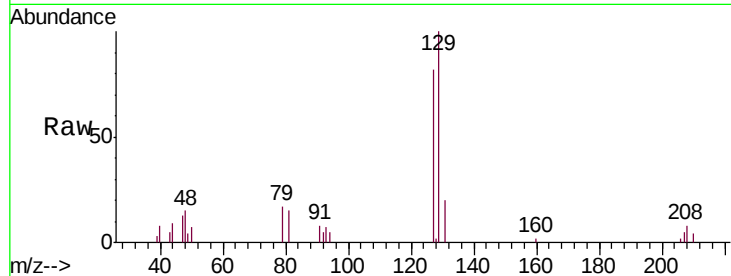
#55
 Dibromochloromethane
 Concen: 1.132 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.0	61.1	91.7

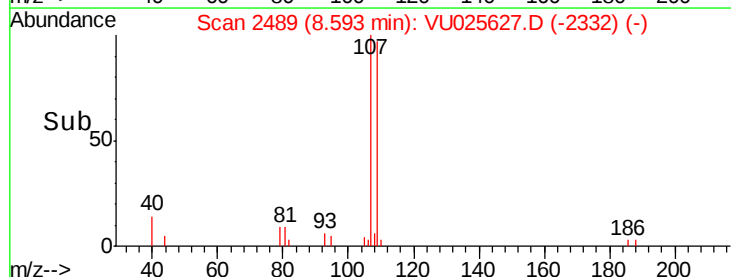
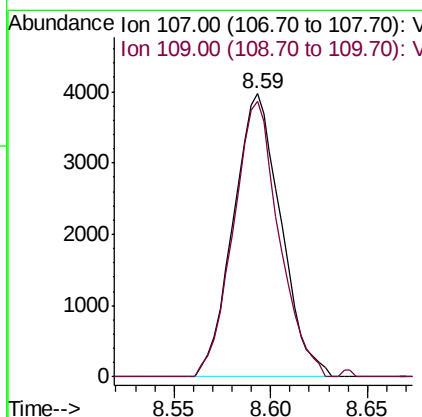
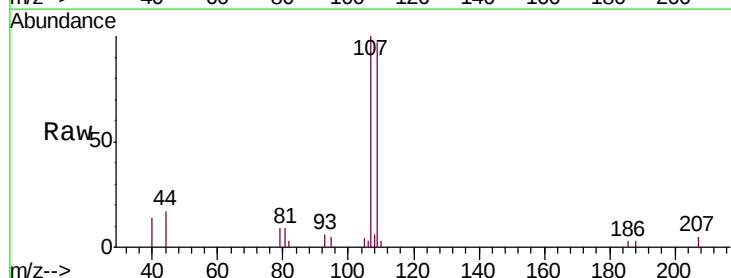
Manual Integrations
 APPROVED

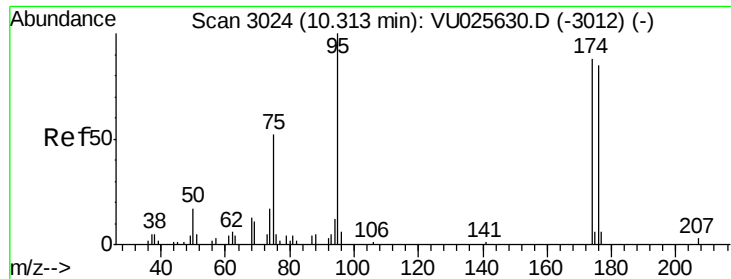
apatel
 7/26/2018 4:26:20 PM



#56
 1,2-Dibromoethane
 Concen: 1.149 ug/l
 RT: 8.59 min Scan# 2489
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	0.0	189.0





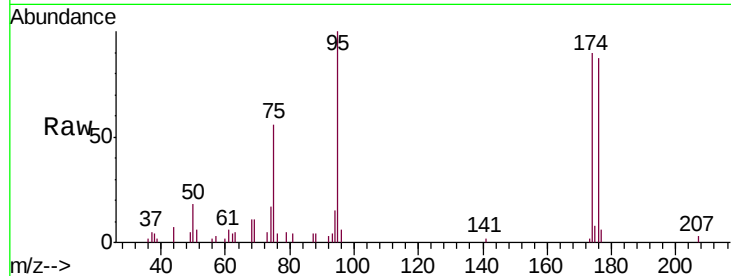
#57
4-Bromofluorobenzene
Concen: 1.149 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
95	100	13015		
174	90.0	65.6	98.4	
176	85.3	62.0	93.0	

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM

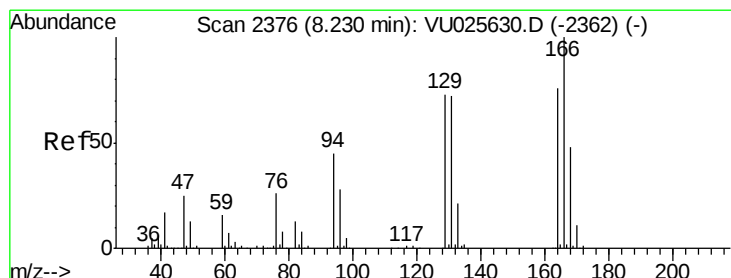
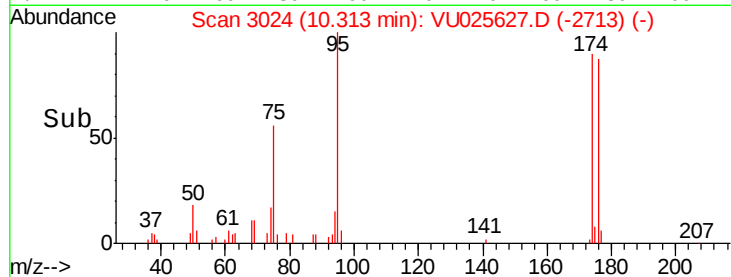
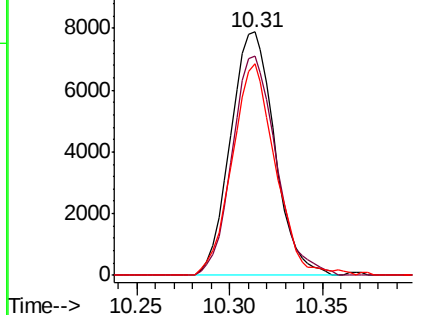


Abundance

Ion 95.00 (94.70 to 95.70): VU025630.D (-3012) (-)

Ion 174.00 (173.70 to 174.70): VU025630.D (-3012) (-)

Ion 176.00 (175.70 to 176.70): VU025630.D (-3012) (-)



#58
Tetrachloroethene
Concen: 1.049 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	10490		
166	127.2	104.1	156.1	
129	96.7	76.8	115.2	
131	92.9	72.6	108.8	

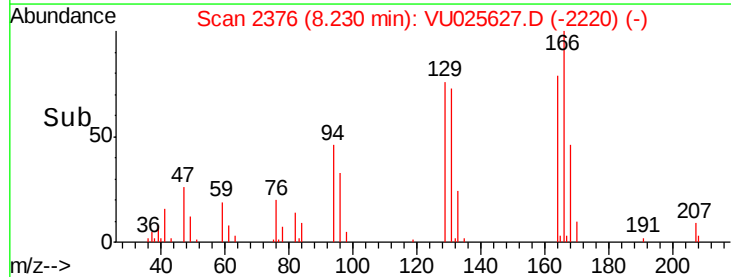
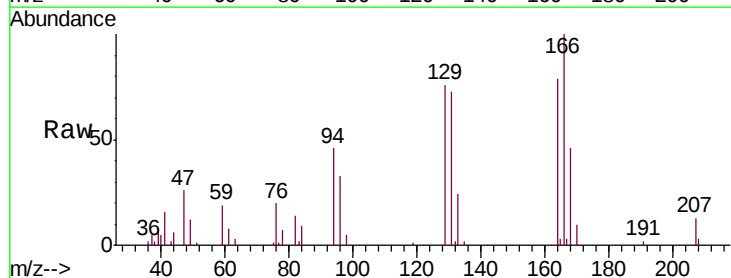
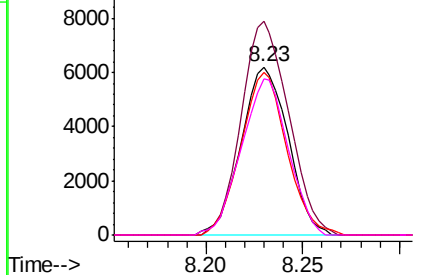
Abundance

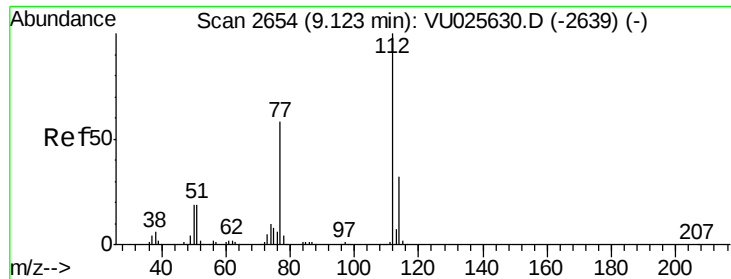
Ion 163.85 (163.55 to 164.55): VU025630.D (-2362) (-)

Ion 165.80 (165.50 to 166.50): VU025630.D (-2362) (-)

Ion 128.90 (128.60 to 129.60): VU025630.D (-2362) (-)

Ion 130.90 (130.60 to 131.60): VU025630.D (-2362) (-)





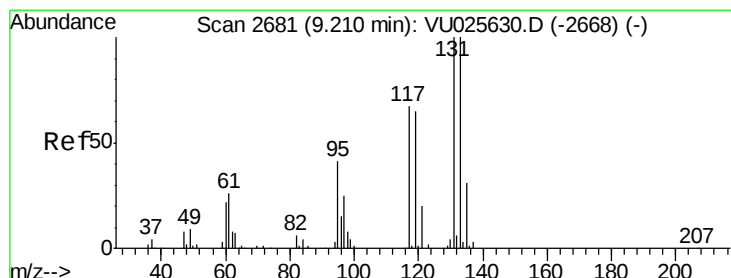
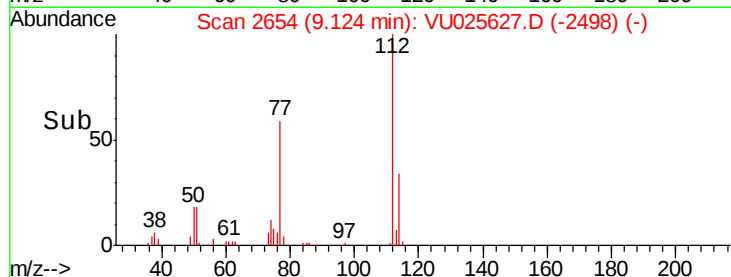
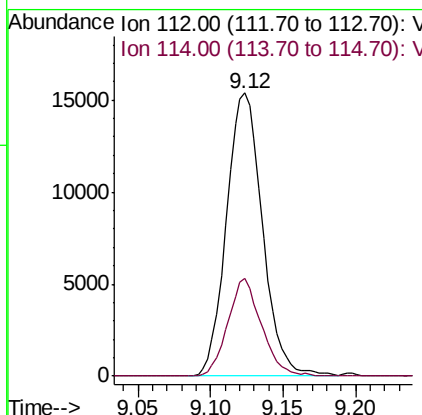
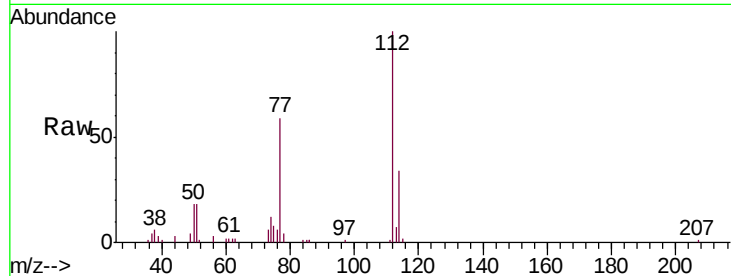
#59
Chlorobenzene
Concen: 1.049 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.4	25.4	38.2

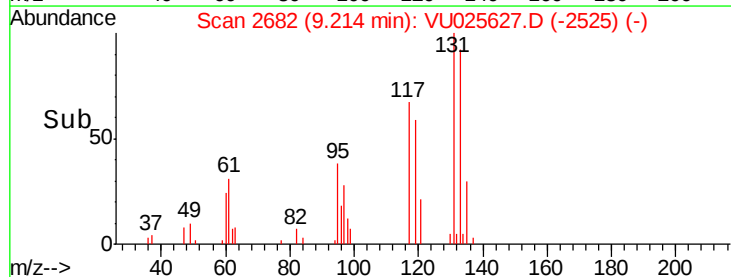
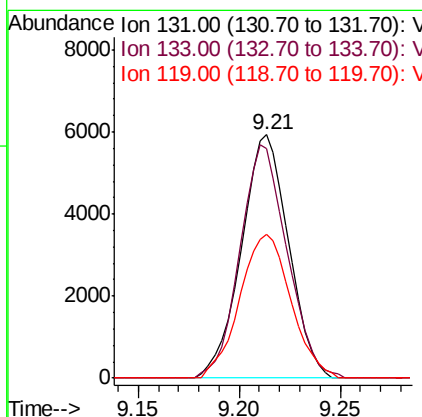
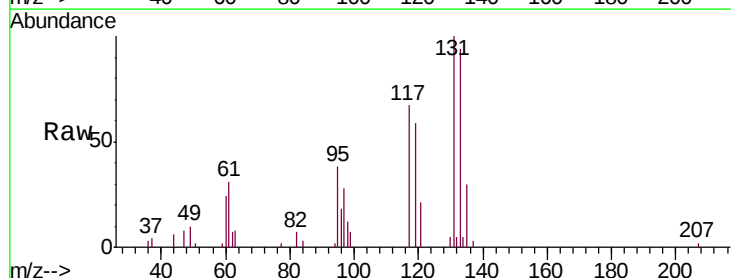
Manual Integrations
APPROVED

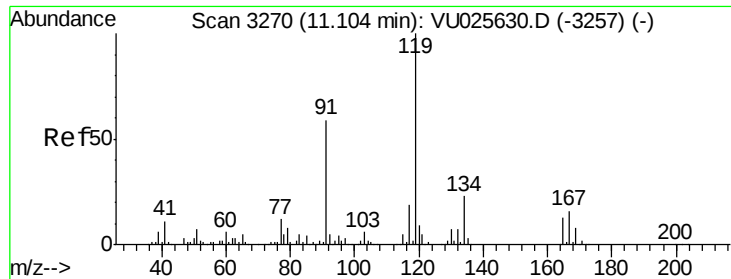
apatel
7/26/2018 4:26:20 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 1.133 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	75.8	113.8
119	64.0	53.0	79.6





#61

Pentachloroethane

Concen: 1.209 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:117 Resp: 7362

Ion Ratio Lower Upper

117 100

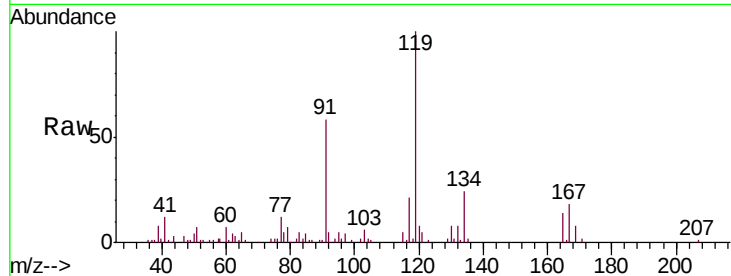
167 91.8 69.2 103.8

Manual Integrations

APPROVED

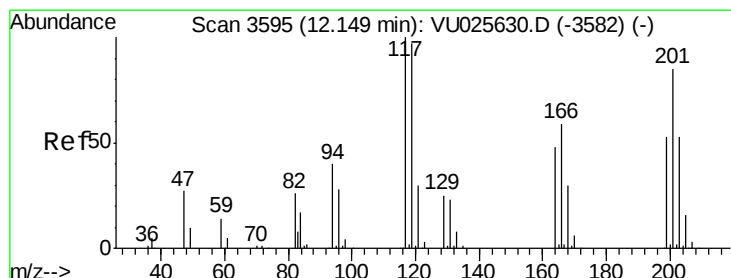
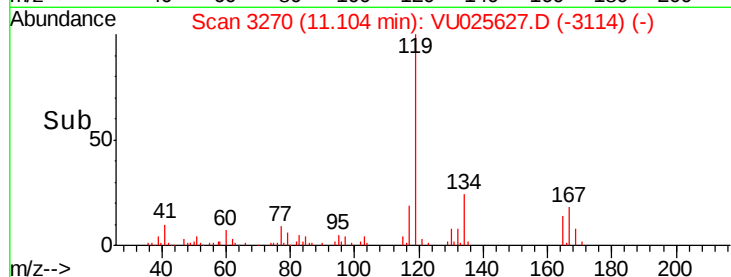
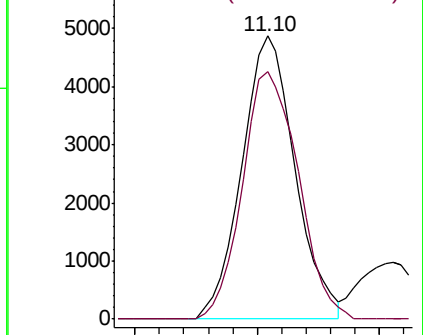
apatel

7/26/2018 4:26:20 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 1.224 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025627.D

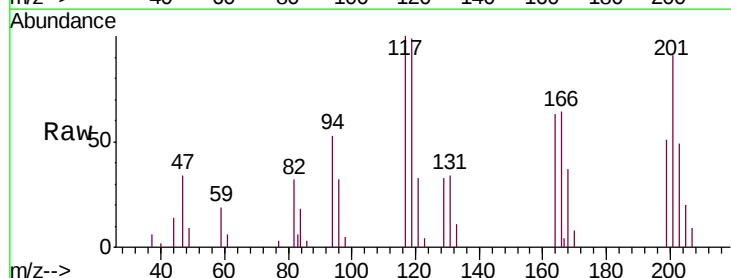
Acq: 25 Jul 2018 10:13

Tgt Ion:117 Resp: 7149

Ion Ratio Lower Upper

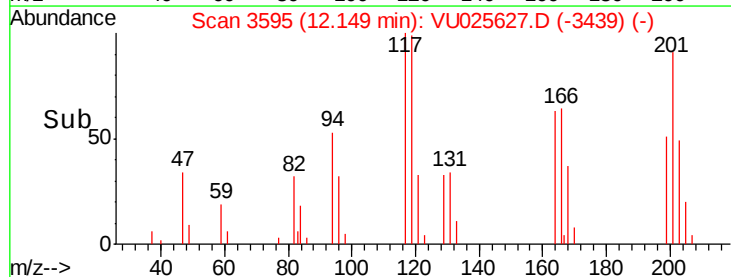
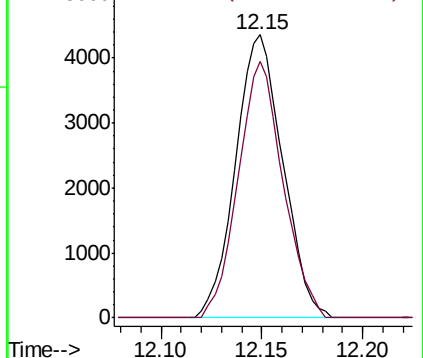
117 100

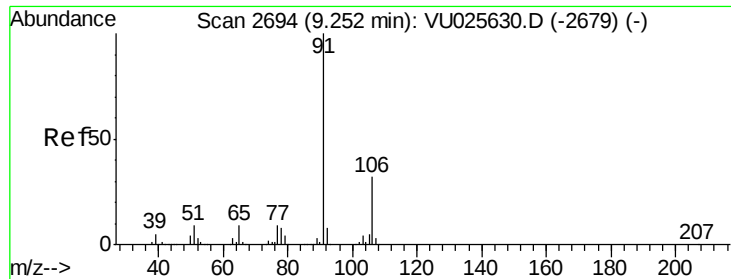
201 86.1 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





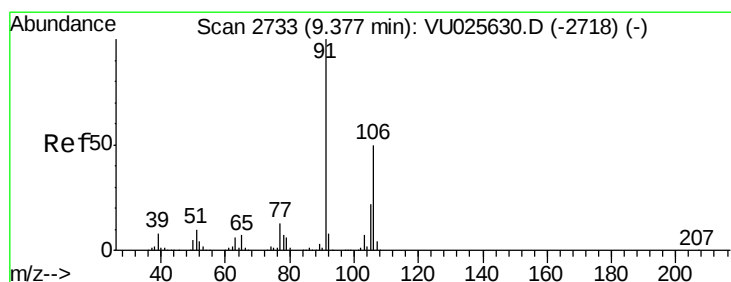
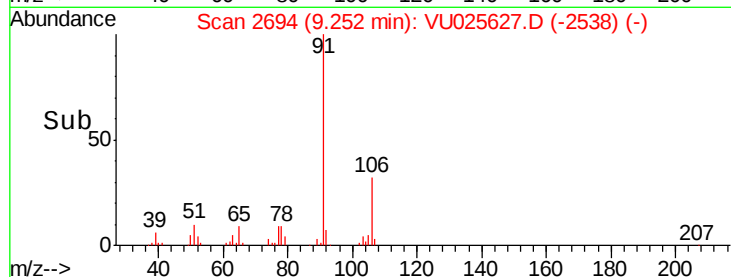
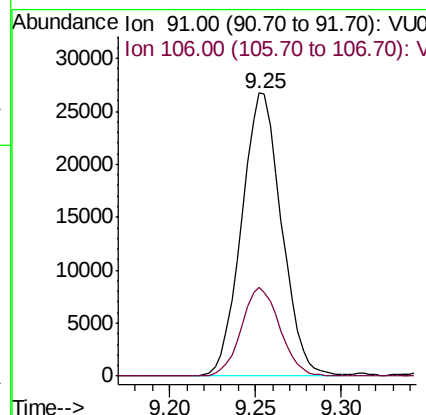
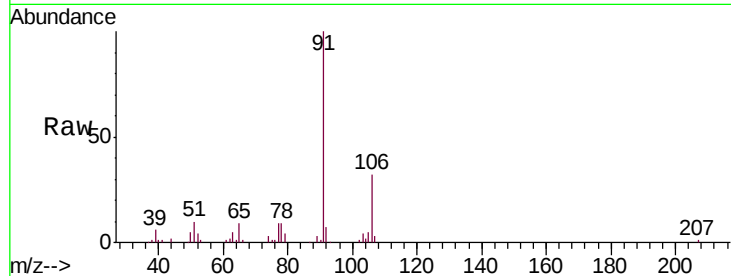
#63
Ethyl Benzene
Concen: 1.031 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 43257
Ion Ratio Lower Upper
91 100
106 31.5 24.7 37.1

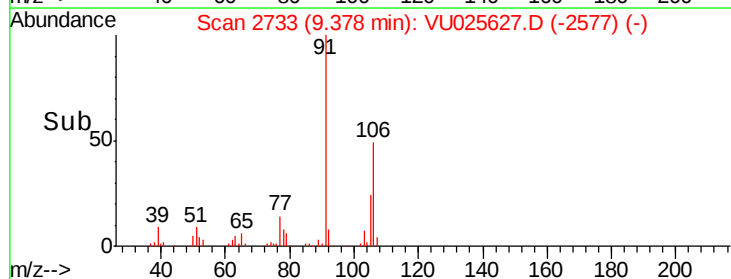
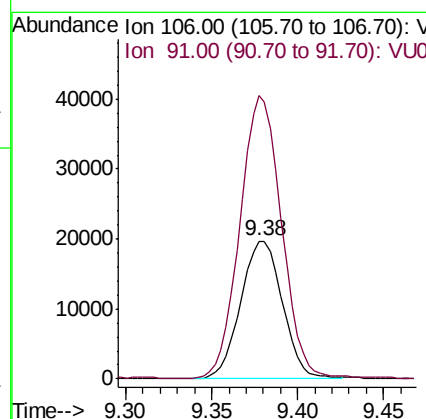
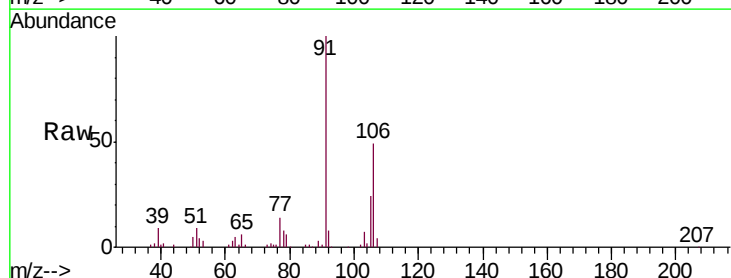
Manual Integrations
APPROVED

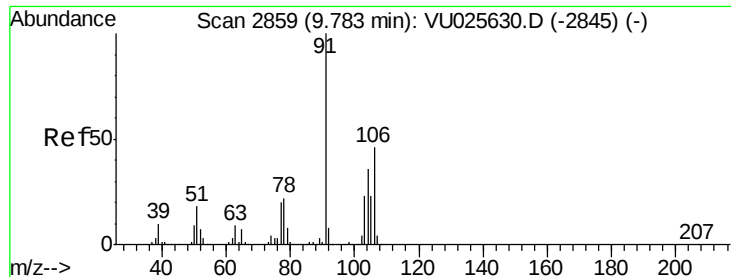
apatel
7/26/2018 4:26:20 PM



#64
m/p-Xylenes
Concen: 2.056 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion: 106 Resp: 33286
Ion Ratio Lower Upper
106 100
91 205.4 164.1 246.1





#65

o-Xylene

Concen: 0.999 ug/l

RT: 9.79 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleID :

VSTDIC001

Tot Ion:106 Resp: 15572

Ion Ratio Lower Upper

106 100

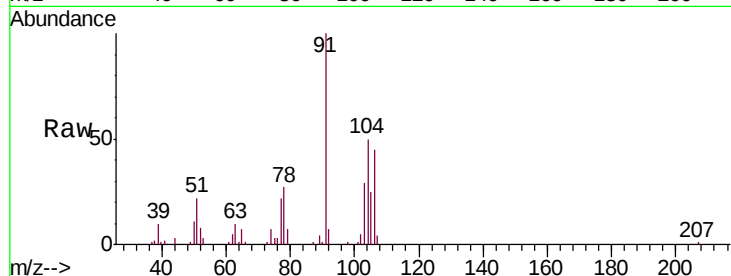
91 221.9 107.9 323.7

Manual Integrations

APPROVED

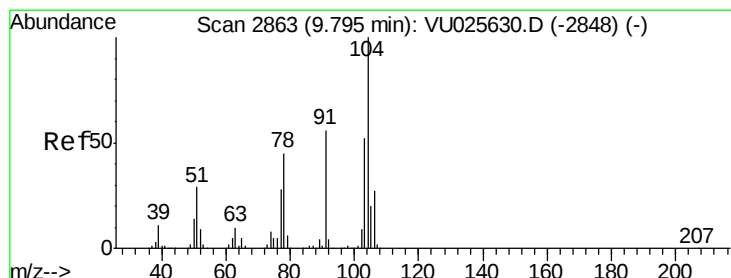
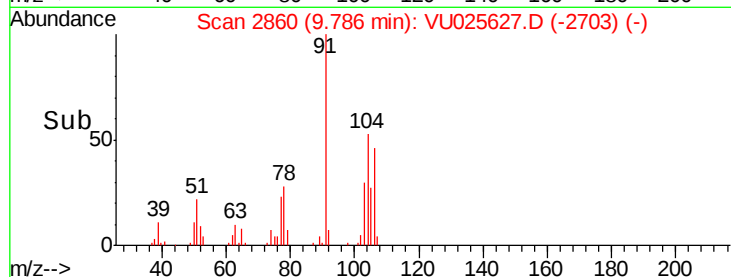
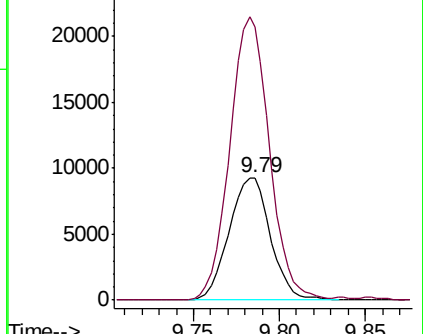
apatel

7/26/2018 4:26:20 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#66

Styrene

Concen: 1.040 ug/l

RT: 9.80 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

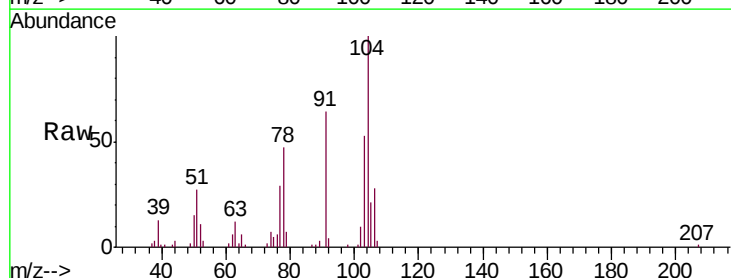
Tgt Ion:104 Resp: 26743

Ion Ratio Lower Upper

104 100

78 49.7 40.2 60.2

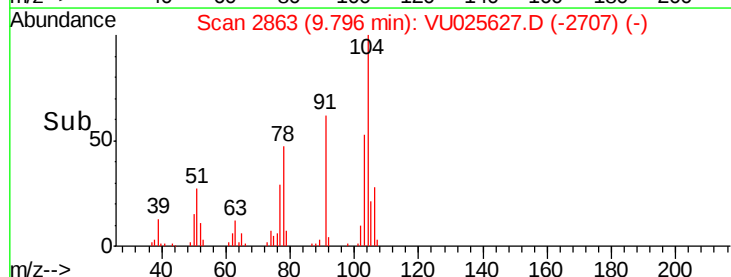
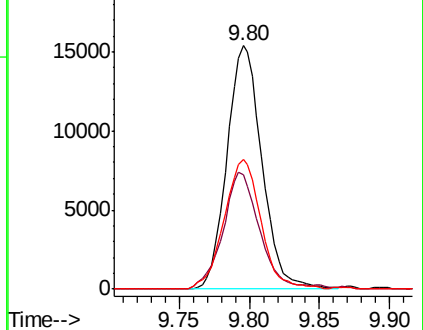
103 55.9 44.2 66.4

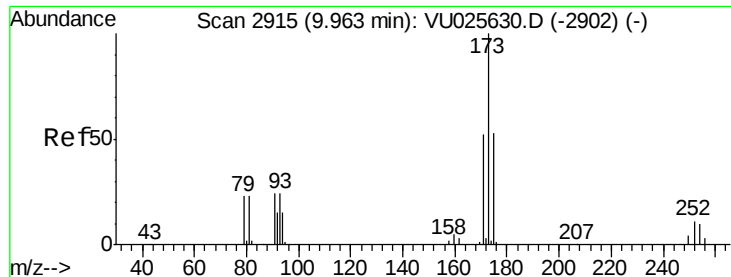


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





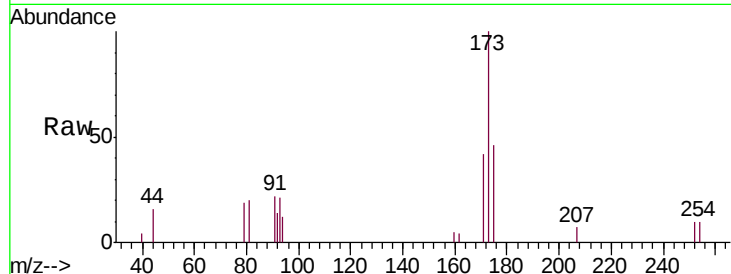
#67
Bromoform
Concen: 1.272 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	38.6	57.8
254	7.3	8.8	13.2#

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM

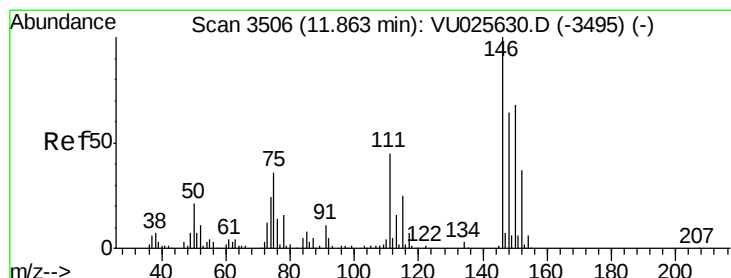
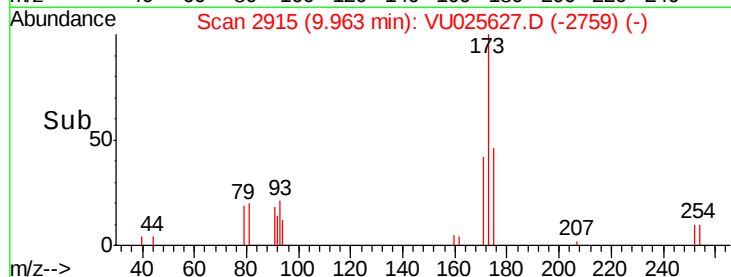
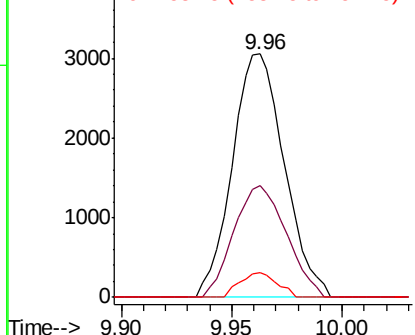


Abundance

Ion 172.90 (172.60 to 173.60): V

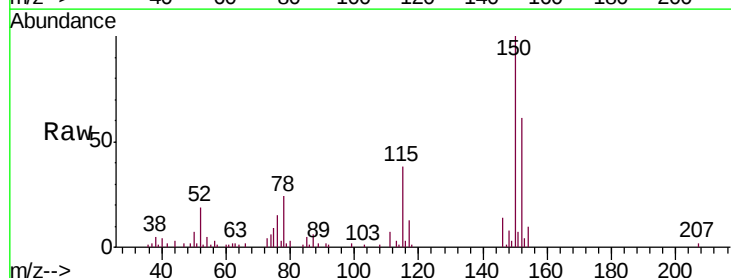
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 1.272 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	72.9	0.0	118.8
150	182.8	0.0	0.0#

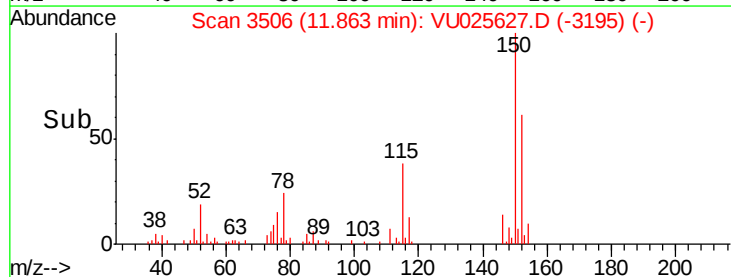
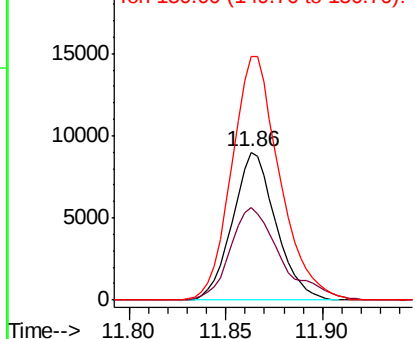


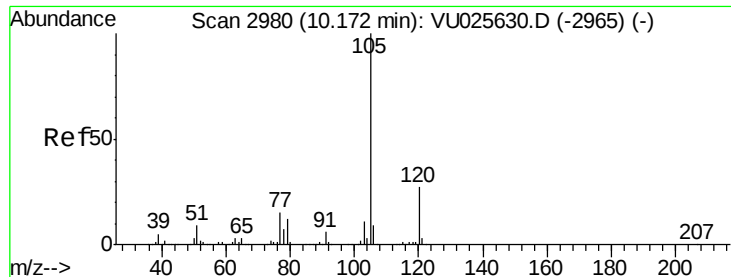
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.059 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 42513

Ion Ratio Lower Upper

105 100

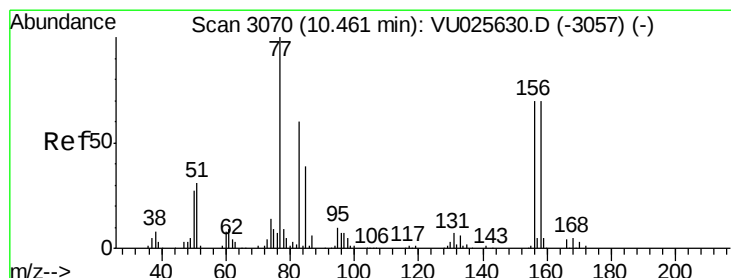
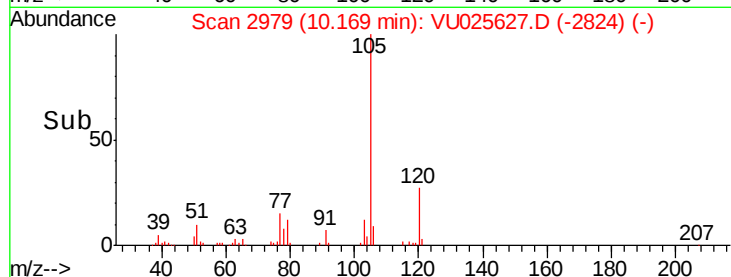
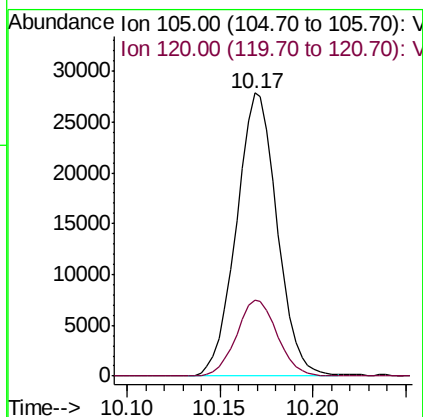
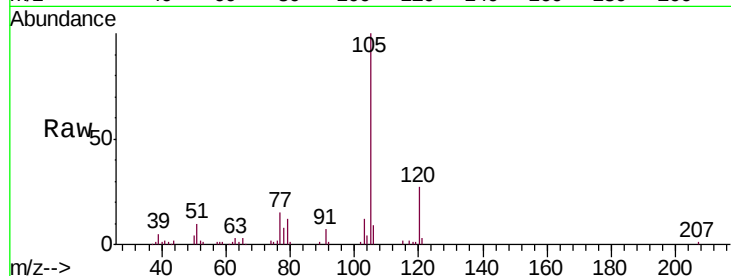
120 26.8 13.1 39.3

Manual Integrations

APPROVED

apatel

7/26/2018 4:26:20 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 1.097 ug/l

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

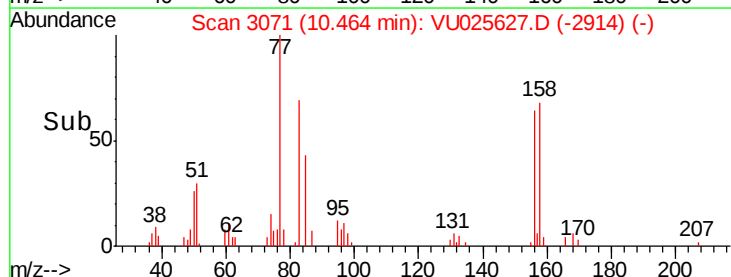
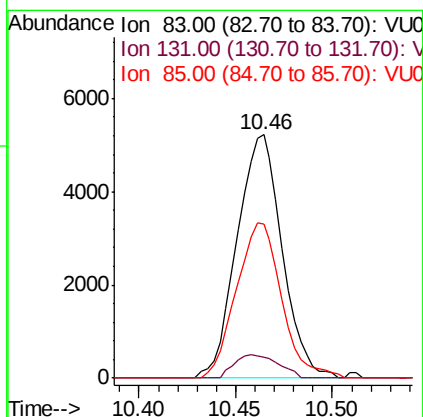
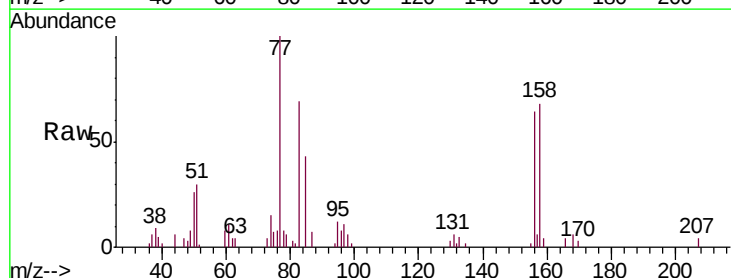
Tgt Ion: 83 Resp: 8473

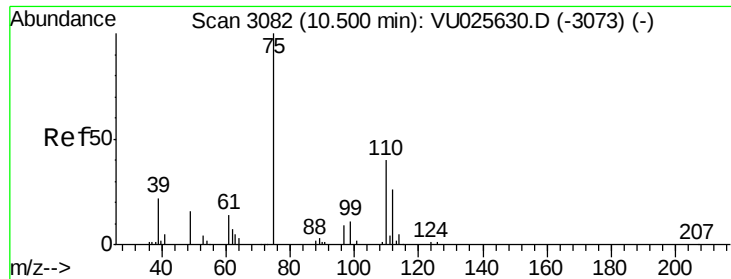
Ion Ratio Lower Upper

83 100

131 9.3 7.9 11.9

85 64.0 51.8 77.6





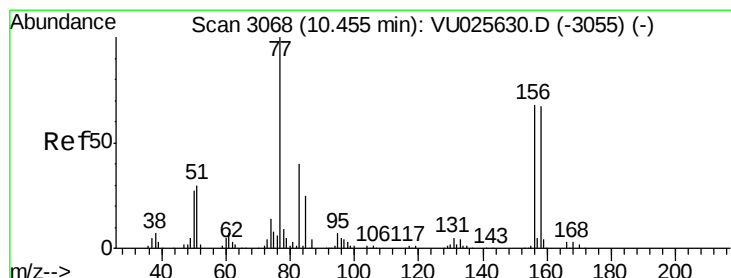
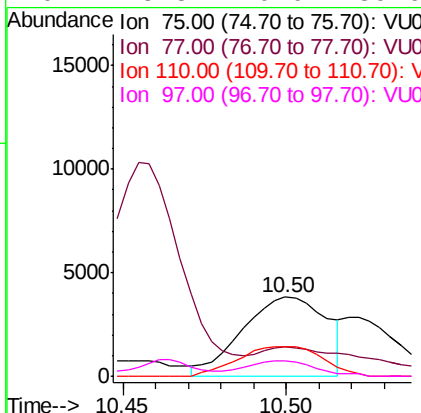
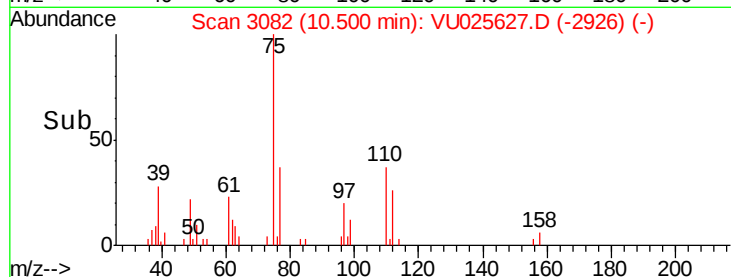
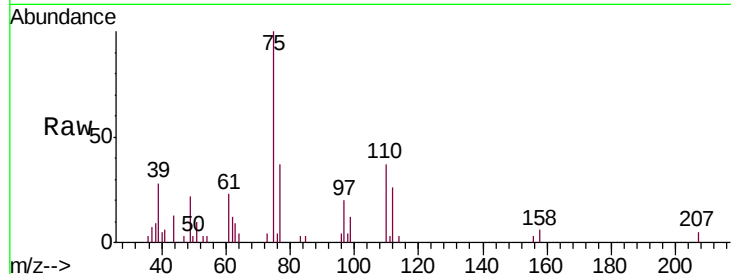
#71
 1,2,3-Trichloropropane
 Concen: 1.257 ug/l m
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	47.5	0.0	0.0#
110	36.9	0.0	74.0
97	15.8	0.0	39.6

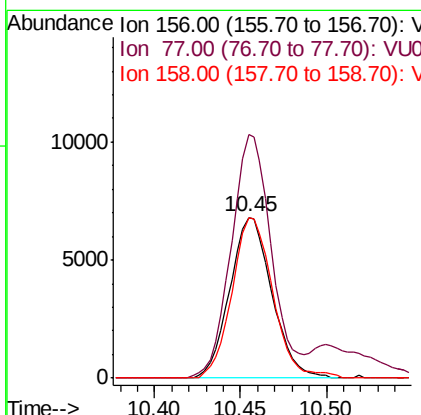
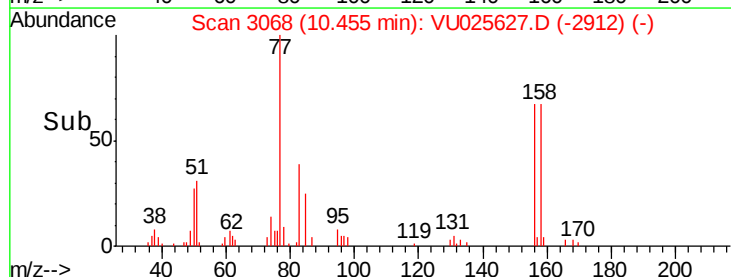
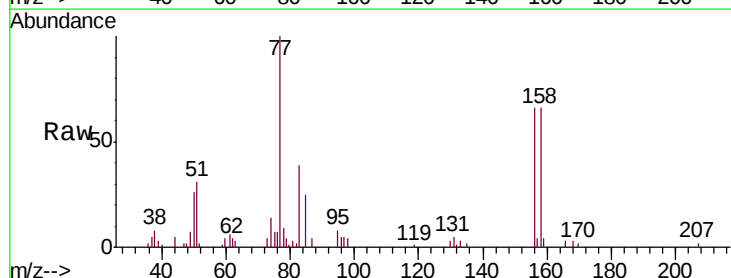
Manual Integrations
 APPROVED

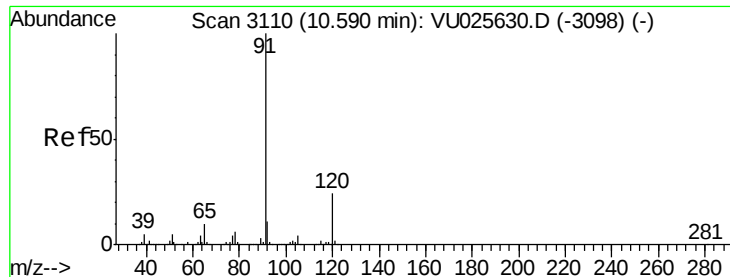
apatel
 7/26/2018 4:26:20 PM



#72
 Bromobenzene
 Concen: 1.161 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
156	100		
77	145.0	0.0	309.8
158	96.8	0.0	193.0





#73

n-propylbenzene

Concen: 1.034 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:120 Resp: 11479

Ion Ratio Lower Upper

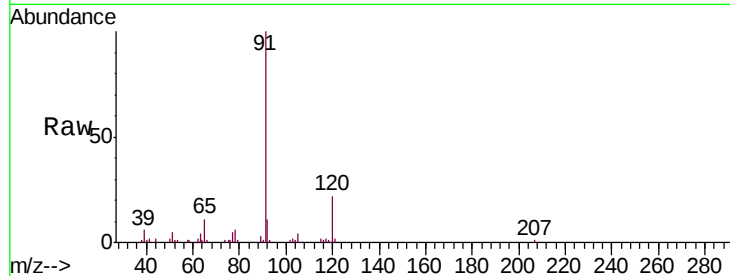
120 100

91 453.6 352.2 528.4

Manual Integrations
APPROVED

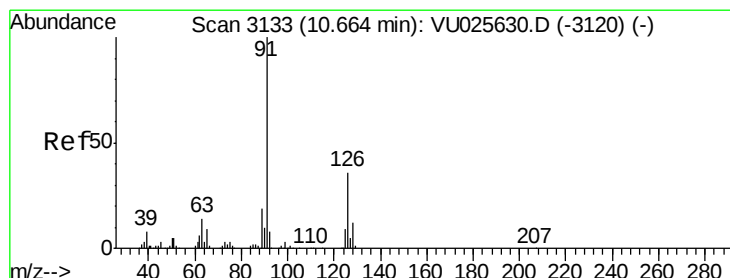
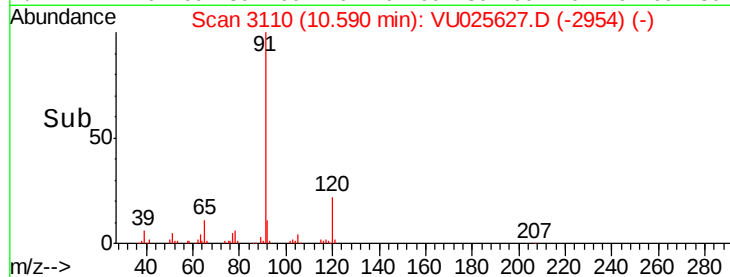
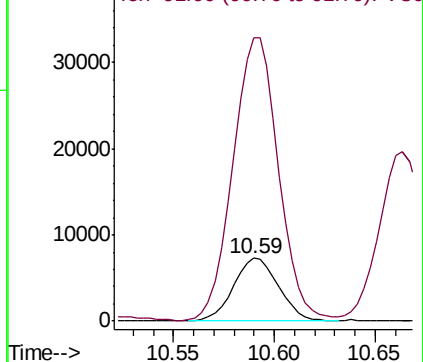
apatel

7/26/2018 4:26:20 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#74

2-Chlorotoluene

Concen: 1.051 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025627.D

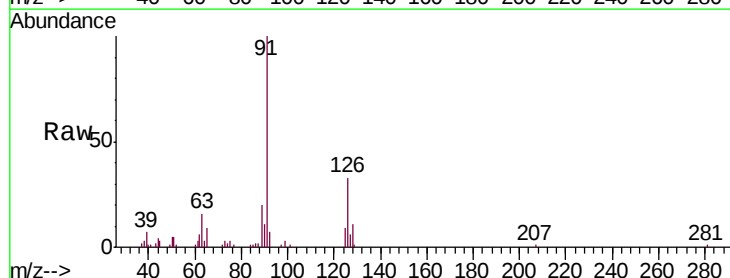
Acq: 25 Jul 2018 10:13

Tgt Ion:126 Resp: 10314

Ion Ratio Lower Upper

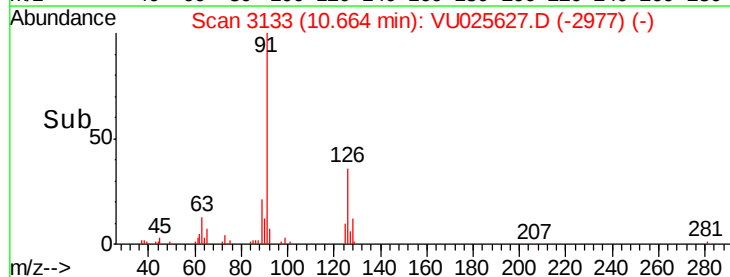
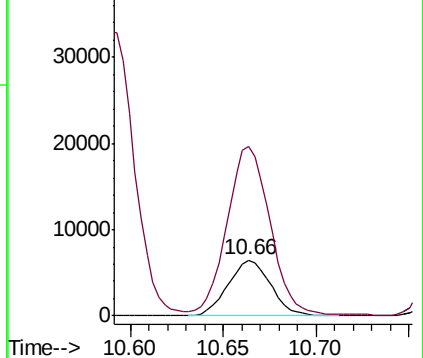
126 100

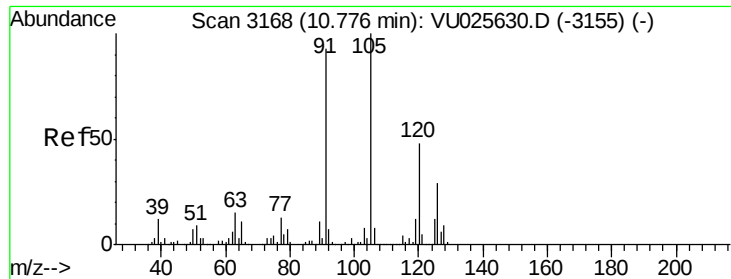
91 304.4 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 1.106 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025627.D

Acq: 25 Jul 2018 10:13

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 37421

Ion Ratio Lower Upper

105 100

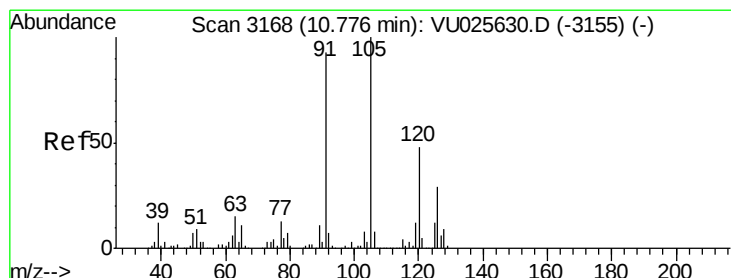
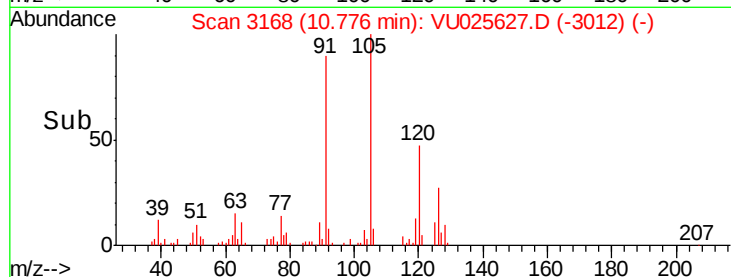
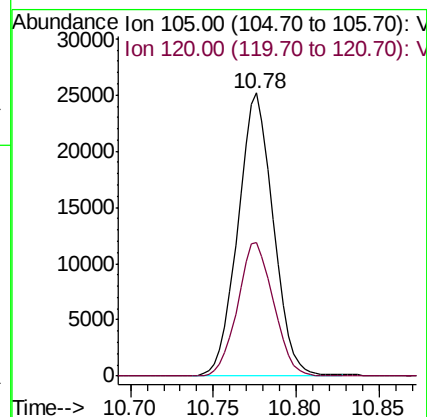
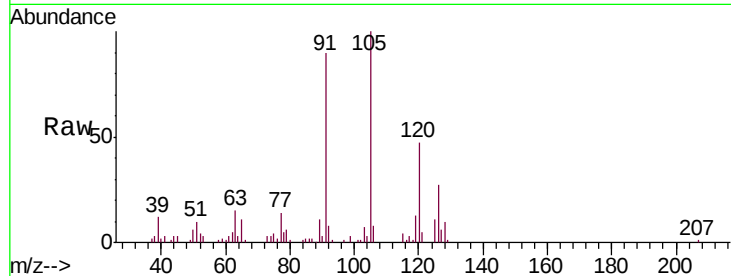
120 47.6 39.0 58.6

Manual Integrations

APPROVED

apatel

7/26/2018 4:26:20 PM



#76

4-Chlorotoluene

Concen: 1.065 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025627.D

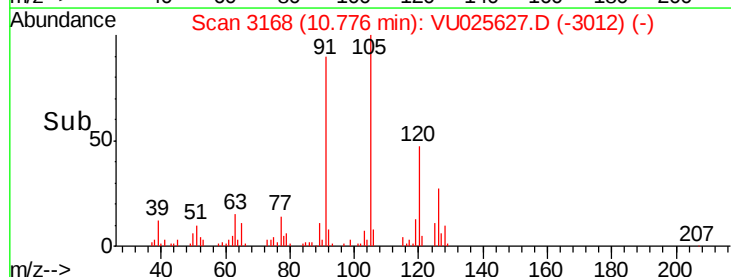
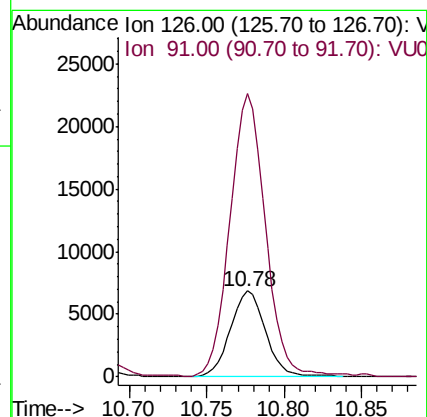
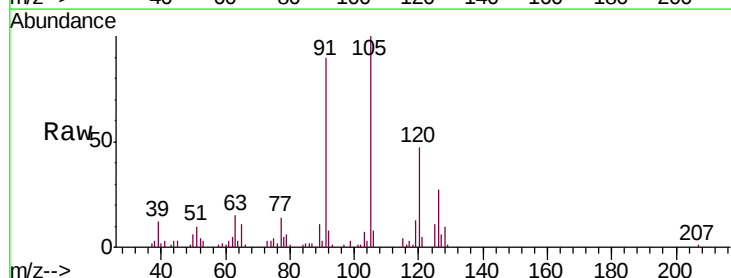
Acq: 25 Jul 2018 10:13

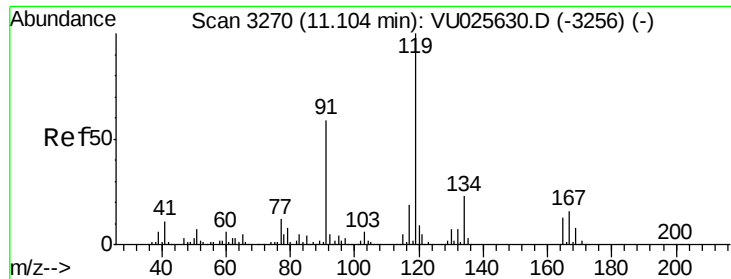
Tgt Ion:126 Resp: 10827

Ion Ratio Lower Upper

126 100

91 331.2 0.0 667.2





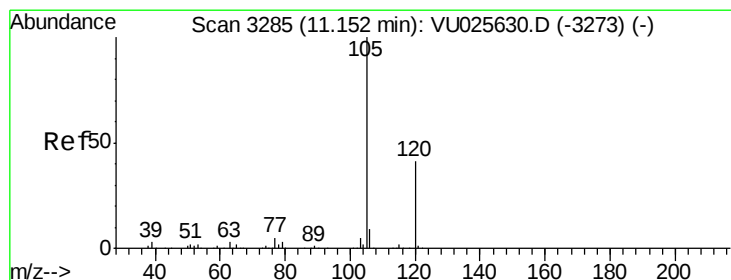
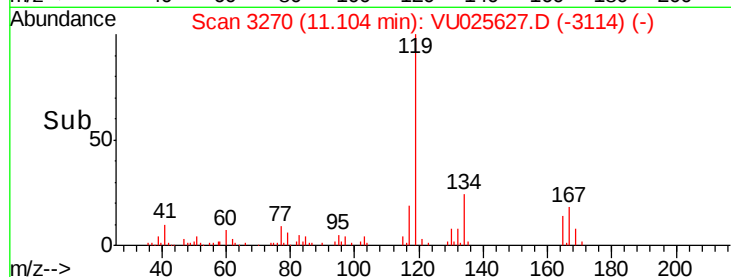
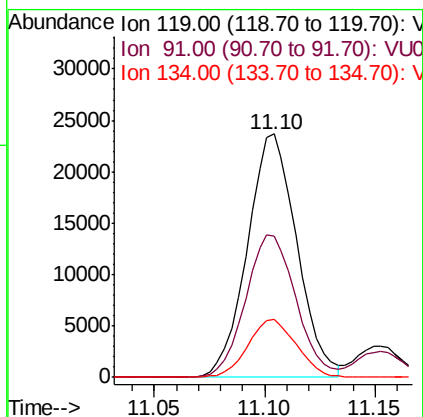
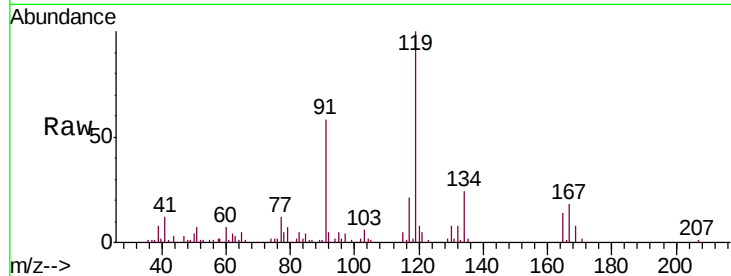
#77
tert-Butylbenzene
Concen: 1.162 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.6	88.8
134	23.2	19.1	28.7

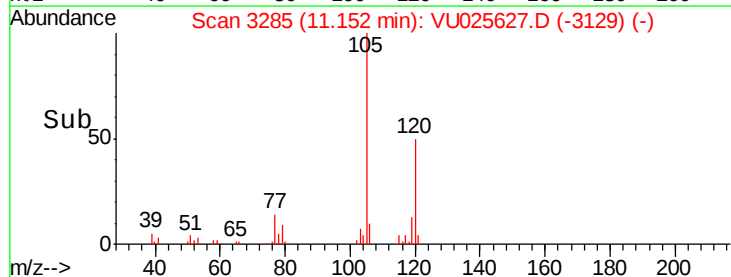
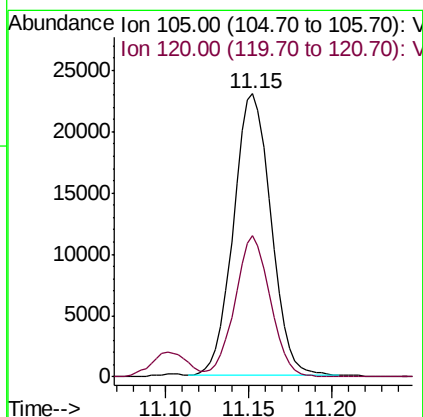
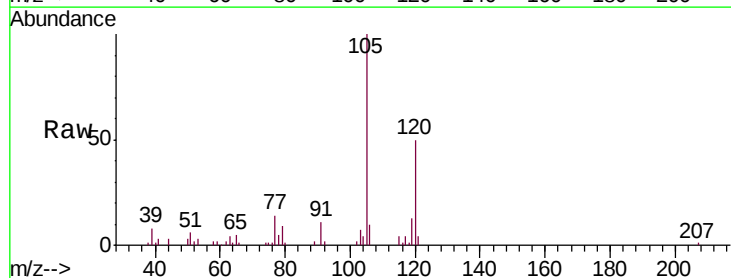
Manual Integrations
APPROVED

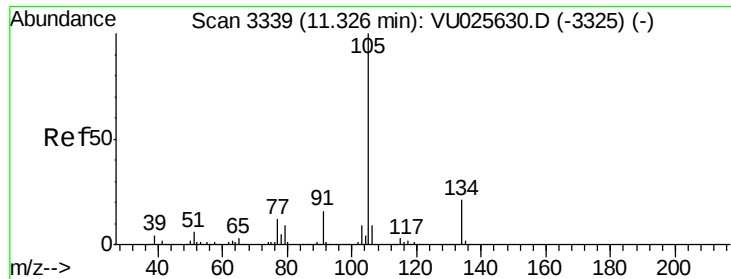
apatel
7/26/2018 4:26:20 PM



#78
1,2,4-Trimethylbenzene
Concen: 1.060 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.1	69.3





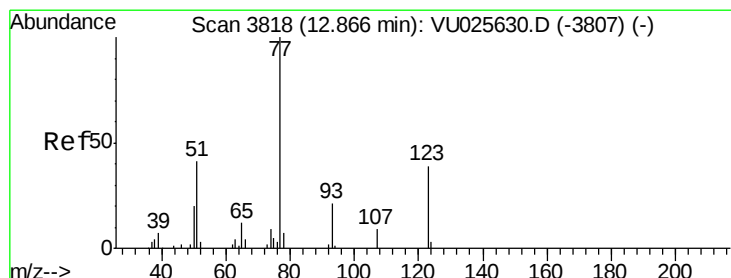
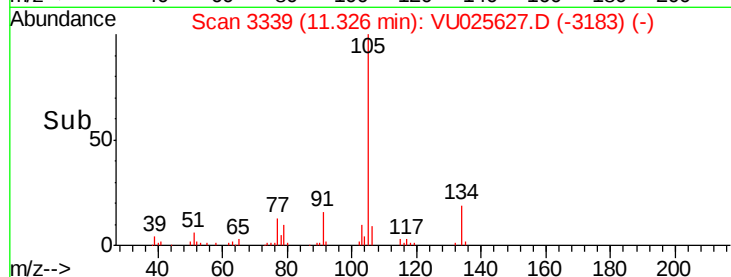
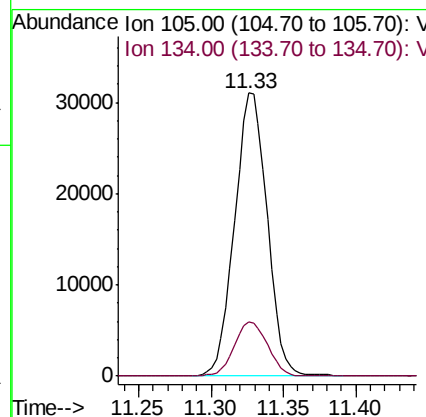
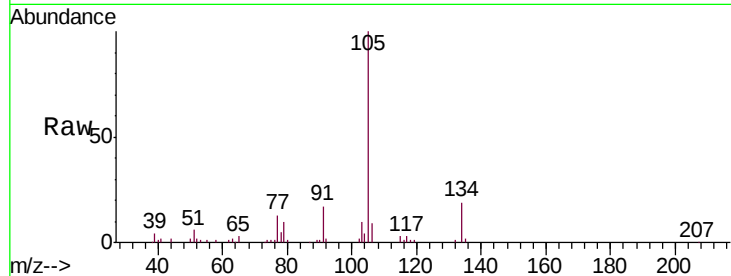
#79
 sec-Butylbenzene
 Concen: 1.091 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	15.6	23.4

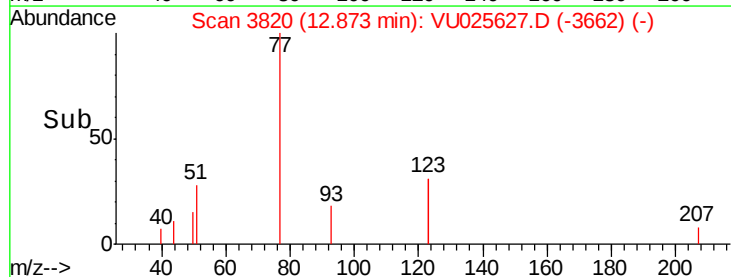
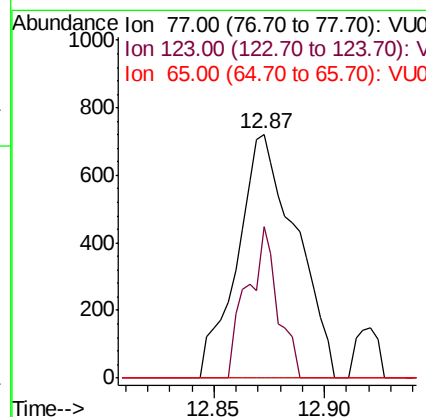
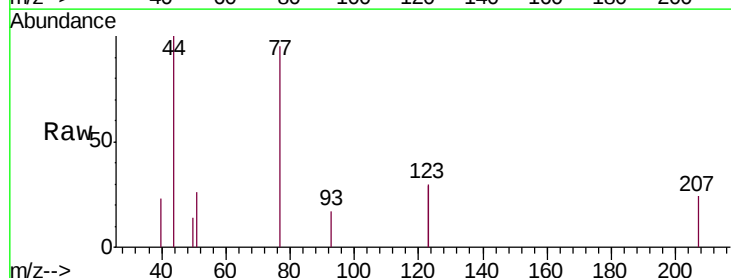
Manual Integrations
 APPROVED

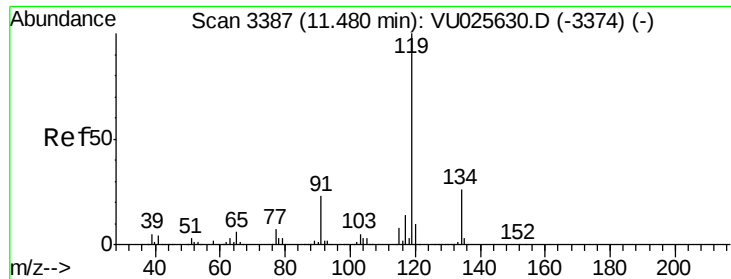
apatel
 7/26/2018 4:26:20 PM



#80
 Nitrobenzene
 Concen: 4.964 ug/l
 RT: 12.87 min Scan# 3820
 Delta R.T. 0.01 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
77	100		
123	32.4	19.4	68.6
65	0.0	11.2	14.2#





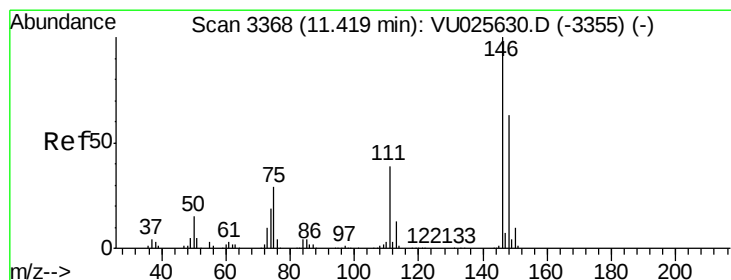
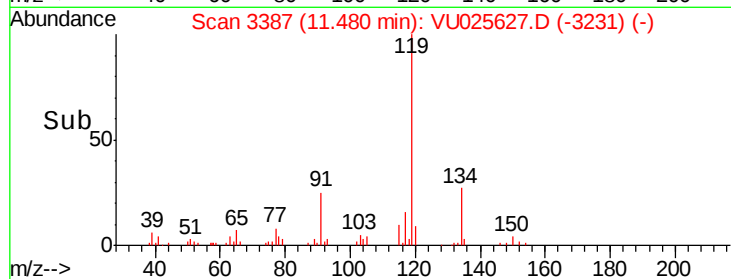
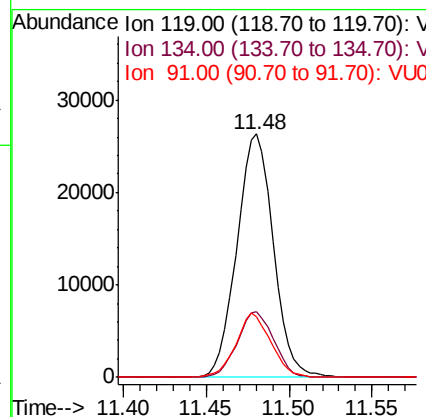
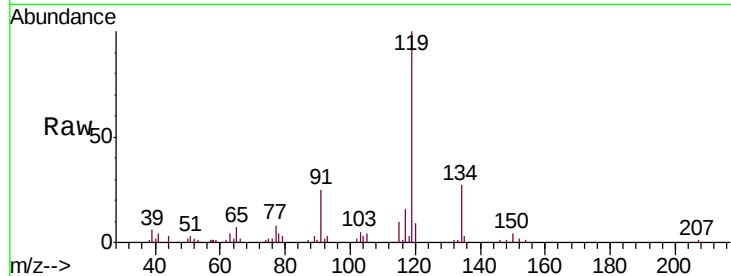
#81
 p-Isopropyltoluene
 Concen: 1.104 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	20.9	31.3
91	25.3	18.2	27.2

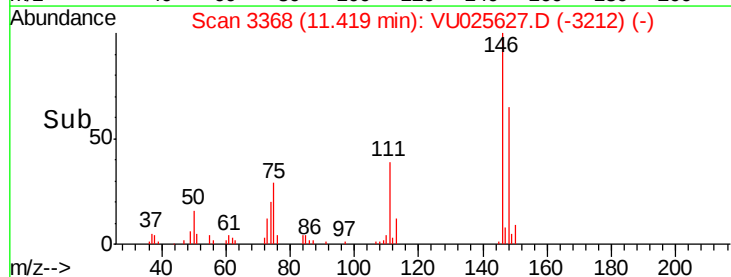
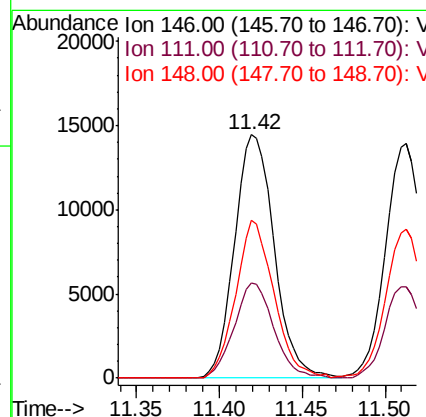
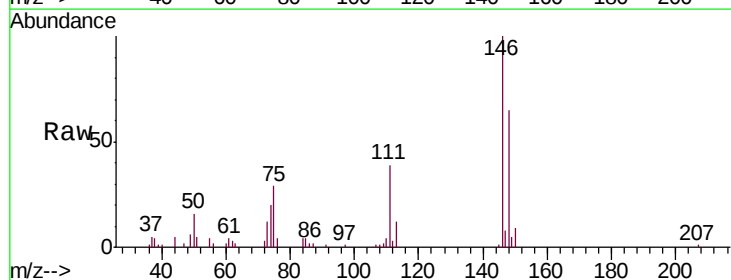
Manual Integrations
 APPROVED

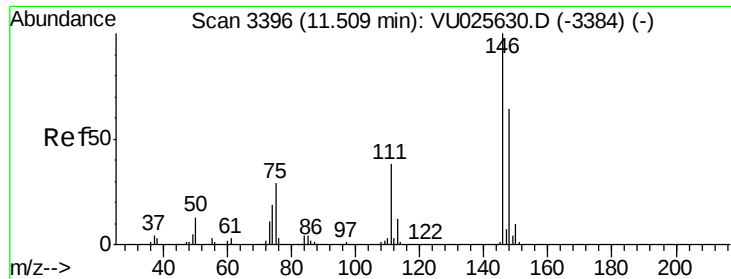
apatel
 7/26/2018 4:26:20 PM



#82
 1,3-Dichlorobenzene
 Concen: 1.208 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	31.8	47.6
148	62.4	51.0	76.4





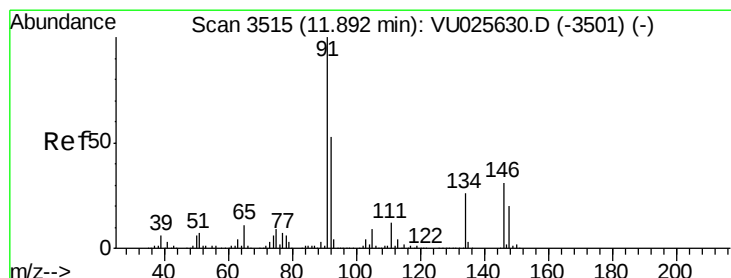
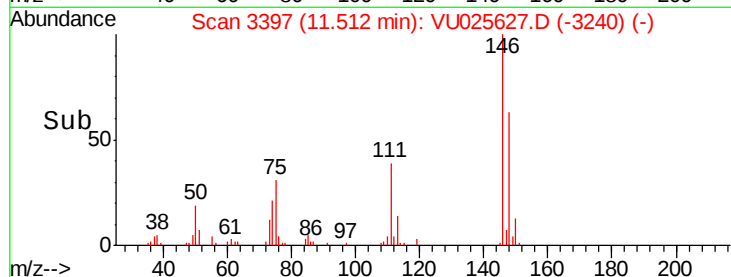
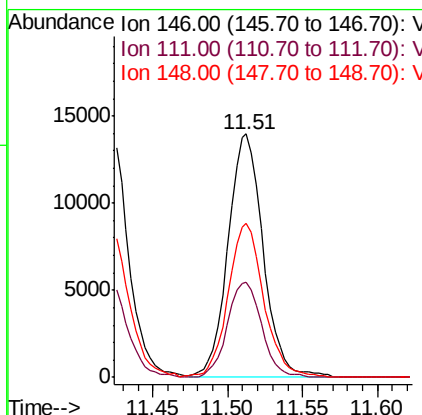
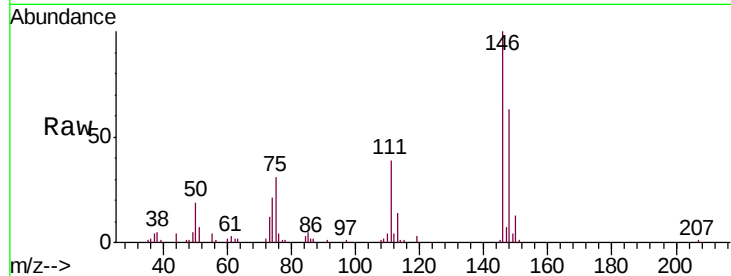
#83
 1,4-Dichlorobenzene
 Concen: 1.146 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	30.1	45.1
148	64.4	50.6	76.0

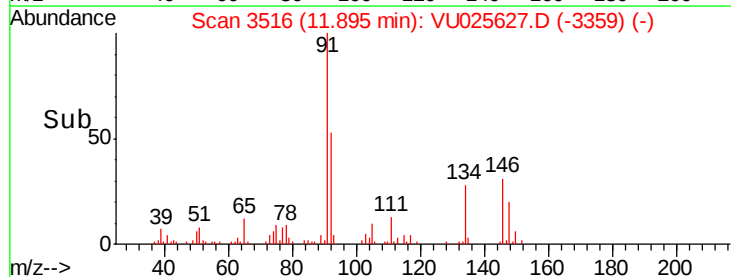
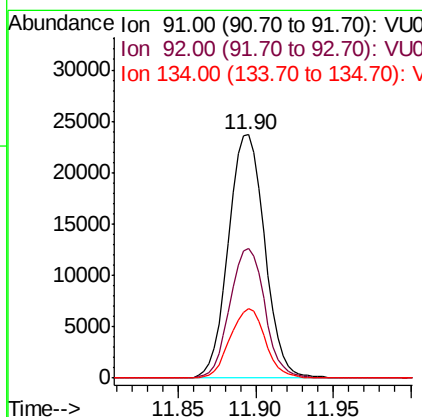
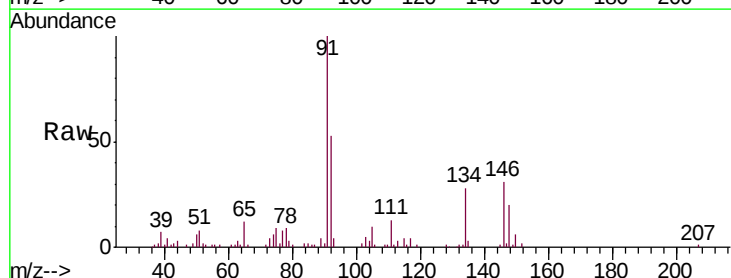
Manual Integrations
 APPROVED

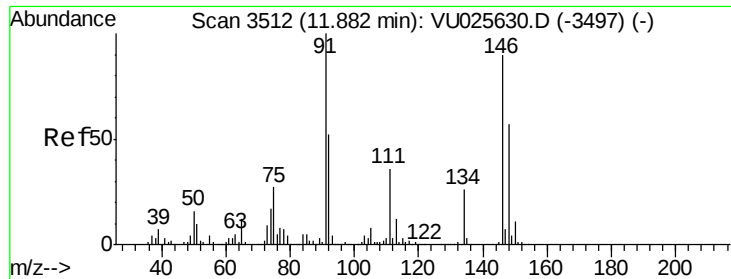
apatel
 7/26/2018 4:26:20 PM



#84
 n-Butylbenzene
 Concen: 1.083 ug/l
 RT: 11.90 min Scan# 3516
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	42.2	63.2
134	27.4	20.3	30.5





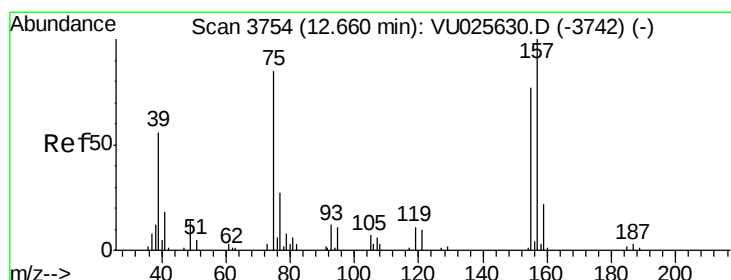
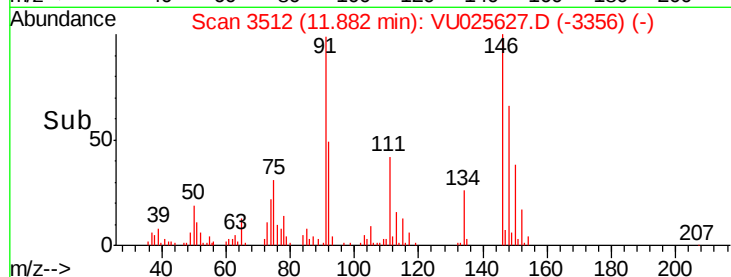
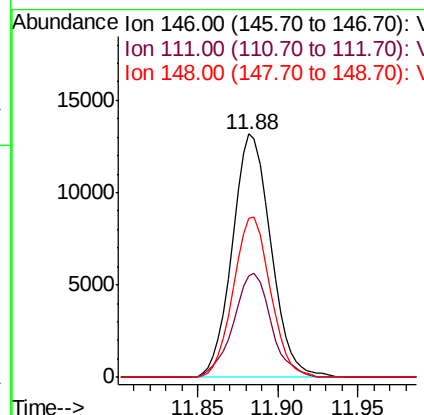
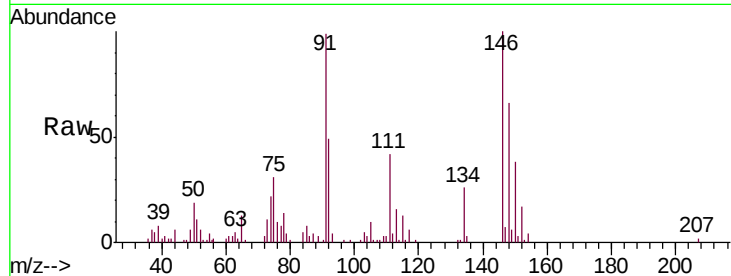
#85
 1,2-Dichlorobenzene
 Concen: 1.205 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	63.4	31.9	95.5

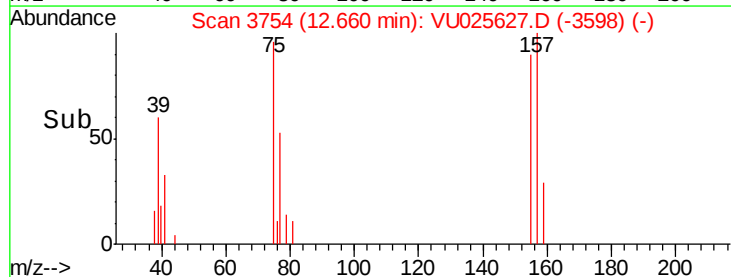
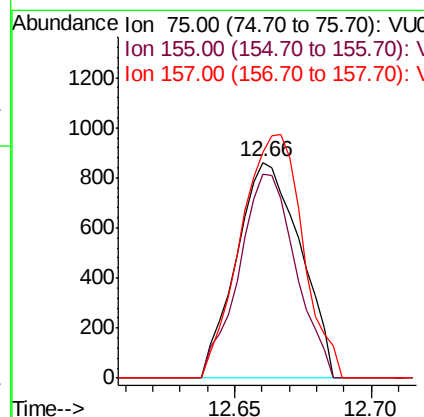
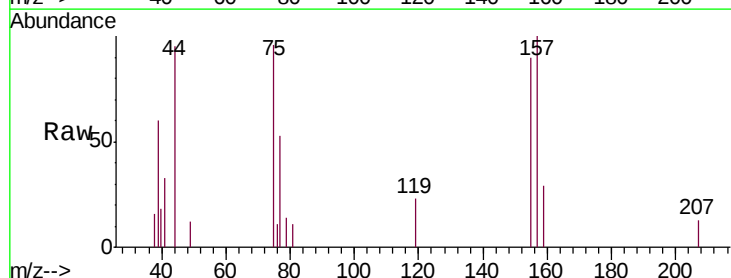
Manual Integrations
 APPROVED

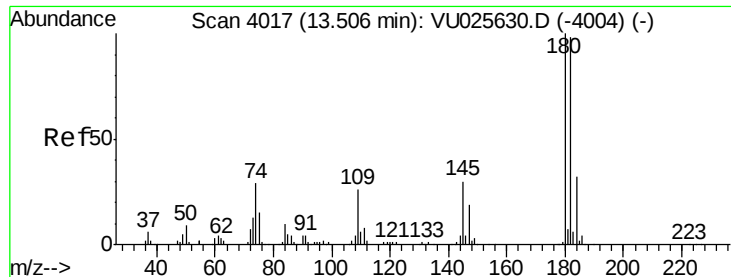
apatel
 7/26/2018 4:26:20 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.280 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	65.8	98.6
157	110.3	83.5	125.3





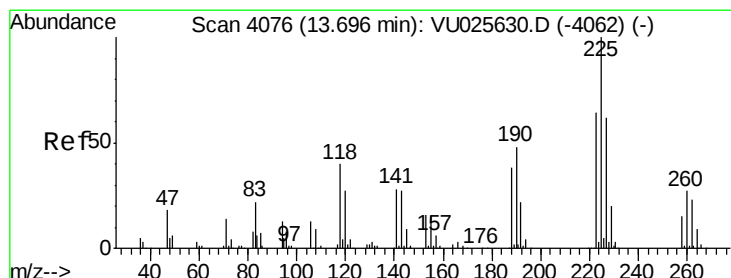
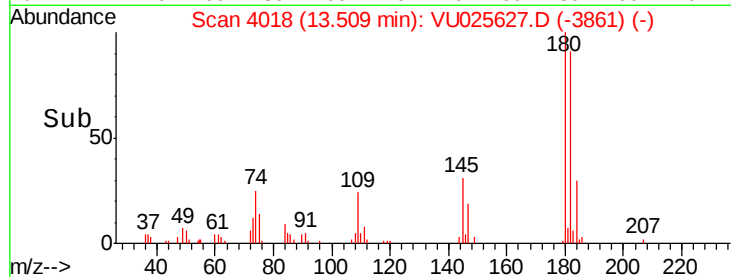
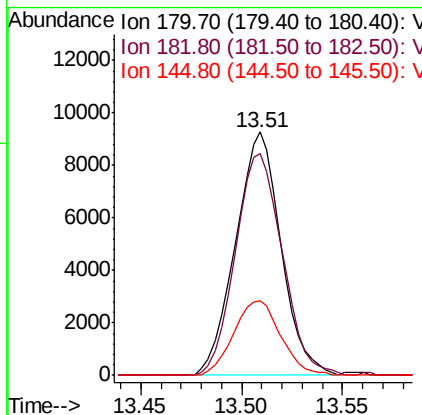
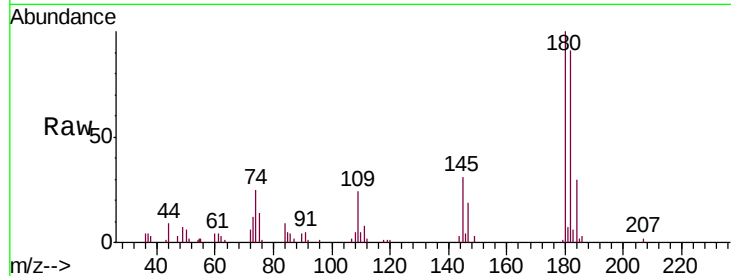
#87
 1,2,4-Trichlorobenzene
 Concen: 1.123 ug/l
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.1	115.7
145	31.8	23.3	34.9

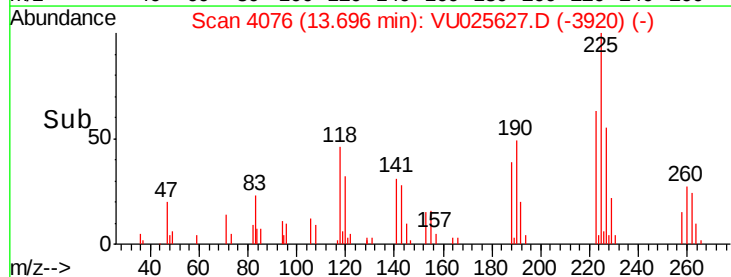
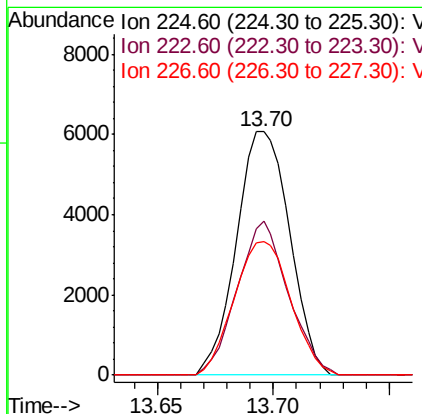
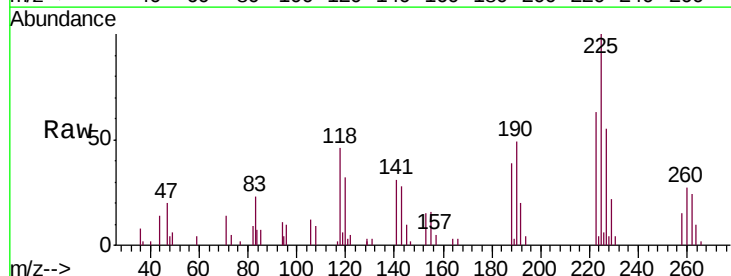
Manual Integrations
 APPROVED

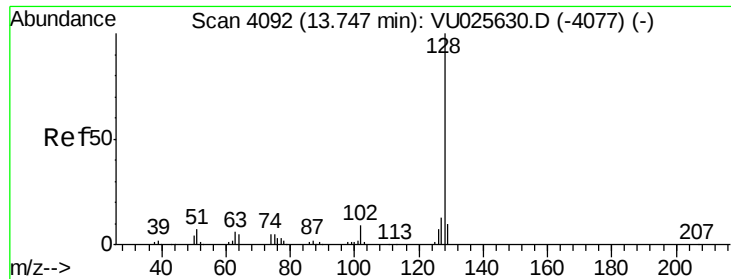
apatel
 7/26/2018 4:26:20 PM



#88
 Hexachlorobutadiene
 Concen: 1.225 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU025627.D
 Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	50.6	75.8
227	58.2	51.8	77.6





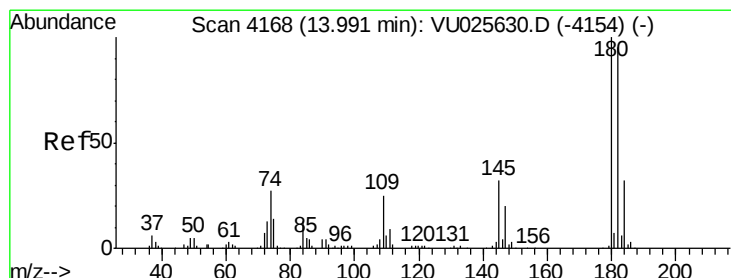
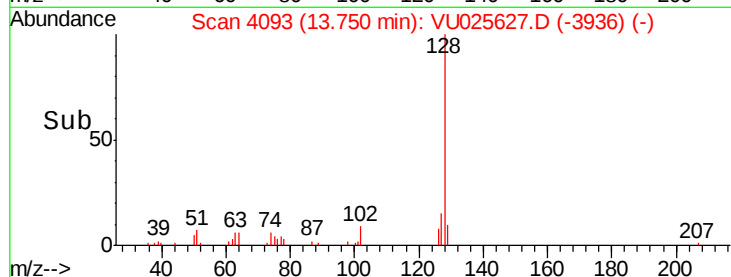
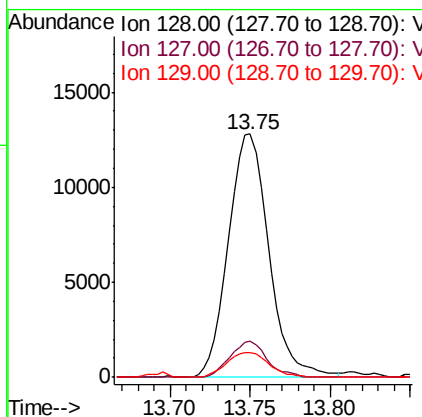
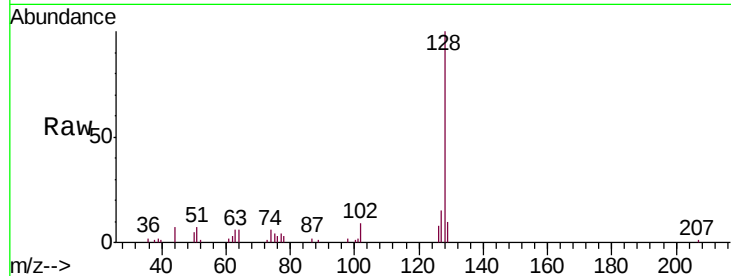
#89
Naphthalene
Concen: 1.127 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
APPROVED

apatel
7/26/2018 4:26:20 PM



#90
1,2,3-Trichlorobenzene
Concen: 1.101 ug/l
RT: 13.99 min Scan# 4168
Delta R.T. 0.00 min
Lab File: VU025627.D
Acq: 25 Jul 2018 10:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.8	115.2
145	31.4	24.6	36.8

