

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100318\
 Data File : VU027363.D
 Acq On : 03 Oct 2018 17:34
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM

Quant Time: Oct 03 18:13:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U100318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 03 17:14:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	21966	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	7528	0.91	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	7432	1.05	ug/l	0.00
Spiked Amount 1.000			Recovery	=	105.00%	

apatel

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	74505	10.115	ug/l 100
3) Chloromethane	1.33	50	87962	10.280	ug/l 100
4) Vinyl Chloride	1.40	62	88510	10.168	ug/l 100
5) Bromomethane	1.63	94	44907	12.335	ug/l 96
6) Chloroethane	1.70	64	56432	10.291	ug/l 99
7) Trichlorofluoromethane	1.89	101	101233	10.037	ug/l 98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	59266	9.990	ug/l 99
9) 1,1-Dichloroethene	2.29	96	50455	10.211	ug/l 97
10) Iodomethane	2.41	142	60366	10.841	ug/l 99
11) Allyl Chloride	2.59	41	128643	9.853	ug/l 99
12) Acrylonitrile	2.94	53	31699	18.583	ug/l 99
13) Acetone	2.33	43	76870	47.891	ug/l 97
14) Carbon Disulfide	2.48	76	152639	9.944	ug/l 100
15) Methylene Chloride	2.70	84	64982	9.189	ug/l 99
16) trans-1,2-Dichloroethene	2.98	96	54709	9.519	ug/l 97
17) 1,1-Dichloroethane	3.45	63	133514	9.623	ug/l 99
18) 2-Butanone	4.29	43	130177	49.838	ug/l 98
19) Cyclohexane	4.99	56	105908	10.105	ug/l 99
20) Methylcyclohexane	6.41	83	95789	10.179	ug/l 96
21) 2,2-Dichloropropane	4.22	77	118562	9.979	ug/l 99
22) cis-1,2-Dichloroethene	4.22	96	71841	10.374	ug/l 96
23) Diethyl Ether	2.11	59	53200	10.090	ug/l 100
24) tert-Butyl Alcohol	2.84	59	55219	92.614	ug/l 99
25) Methyl tert-Butyl Ether	3.01	73	157989	9.581	ug/l 99
26) Bromochloromethane	4.55	128	27451	10.784	ug/l 96
27) Chloroform	4.67	83	133073	10.507	ug/l 97
28) 1,1,1-Trichloroethane	4.91	97	107502	10.464	ug/l 100
29) 1,1-Dichloropropene	5.13	75	96084	10.386	ug/l 99
30) Carbon Tetrachloride	5.13	117	91769	10.802	ug/l 99
31) Isopropyl Ether	3.58	45	243659	9.232	ug/l 99
32) Ethyl-t-butyl ether	4.08	59	211045	10.243	ug/l 98
33) Tert-Amyl methyl ether	5.59	73	171750	10.408	ug/l 100
34) Propionitrile	4.34	54	34892	51.787	ug/l 98
35) Benzene	5.39	78	284252	10.507	ug/l 99
36) 1,2-Dichloroethane	5.41	62	93267	10.516	ug/l 99
37) Trichloroethene	6.18	130	61964	10.318	ug/l 100
38) 1,2-Dichloropropane	6.43	63	82578	10.097	ug/l 99
39) Methacrylonitrile	4.56	41	33737	9.567	ug/l 98
40) Methyl acrylate	4.43	55	44888	9.998	ug/l 99
41) Tetrahydrofuran	4.66	42	33411	17.876	ug/l 99
42) 1-Chlorobutane	5.06	56	154361	10.371	ug/l 100

10/5/2018 12:14:45 PM

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100318\
 Data File : VU027363.D
 Acq On : 03 Oct 2018 17:34
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

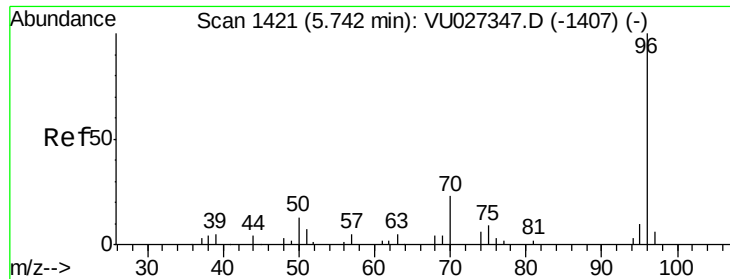
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM

Quant Time: Oct 03 18:13:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U100318DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 03 17:14:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	35682	10.486	ug/l	97
44) Bromodichloromethane	6.76	83	96544	10.456	ug/l	98
45) 4-Methyl-2-Pentanone	7.48	43	282043	53.830	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	34352m	22.614	ug/l	
47) Methyl methacrylate	6.64	69	71136	20.765	ug/l	99
48) Ethyl methacrylate	8.03	69	64342	10.782	ug/l	98
49) Toluene	7.64	92	155820	10.534	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	86909	10.598	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	101071	10.287	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	50804	10.608	ug/l	98
53) 1,3-Dichloropropane	8.25	76	94226	10.371	ug/l	100
54) 2-Hexanone	8.38	43	197880	54.659	ug/l	99
55) Dibromochloromethane	8.48	129	57576	10.888	ug/l	100
56) 1,2-Dibromoethane	8.59	107	44069	10.409	ug/l	99
58) Tetrachloroethene	8.23	164	53192	9.991	ug/l	98
59) Chlorobenzene	9.12	112	159183	10.319	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	62963	10.617	ug/l	99
61) Pentachloroethane	11.10	117	53203	10.853	ug/l	99
62) Hexachloroethane	12.15	117	53674	11.482	ug/l	100
63) Ethyl Benzene	9.25	91	292479	11.045	ug/l	100
64) m/p-Xylenes	9.38	106	231908	23.359	ug/l	99
65) o-Xylene	9.78	106	105031	11.145	ug/l	98
66) Styrene	9.79	104	194552	11.762	ug/l	99
67) Bromoform	9.96	173	31014	10.965	ug/l	98
69) Isopropylbenzene	10.17	105	281004	11.307	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	67873	10.491	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	47880m	9.592	ug/l	
72) Bromobenzene	10.45	156	65016	10.844	ug/l	98
73) n-propylbenzene	10.59	120	80287	11.997	ug/l	100
74) 2-Chlorotoluene	10.66	126	70127	11.466	ug/l	100
75) 1,3,5-Trimethylbenzene	10.77	105	261436	11.826	ug/l	100
76) 4-Chlorotoluene	10.77	126	72965	11.627	ug/l	96
77) tert-Butylbenzene	11.10	119	238306	11.417	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	272525	12.078	ug/l	100
79) sec-Butylbenzene	11.32	105	336706	11.758	ug/l	99
80) Nitrobenzene	12.86	77	16566	62.294	ug/l	97
81) p-Isopropyltoluene	11.48	119	281494	12.220	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	140897	11.158	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	142186	11.249	ug/l	99
84) n-Butylbenzene	11.89	91	287315	12.296	ug/l	100
85) 1,2-Dichlorobenzene	11.88	146	130473	11.168	ug/l	100
86) 1,2-Dibromo-3-Chloropropan	12.66	75	10922	11.147	ug/l	97
87) 1,2,4-Trichlorobenzene	13.50	180	84535	11.415	ug/l	99
88) Hexachlorobutadiene	13.69	225	54926	11.212	ug/l	98
89) Naphthalene	13.75	128	152862	11.703	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	85341	11.653	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 21966

Ion Ratio Lower Upper

96 100

70 23.4 19.2 28.8

95 8.6 7.7 11.5

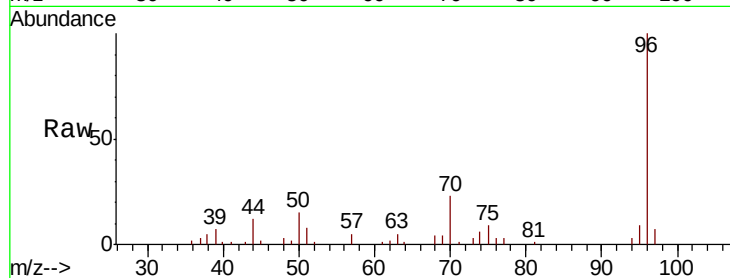
97 0.0 0.0 0.0

Manual Integrations

APPROVED

apatel

10/5/2018 12:14:45 PM

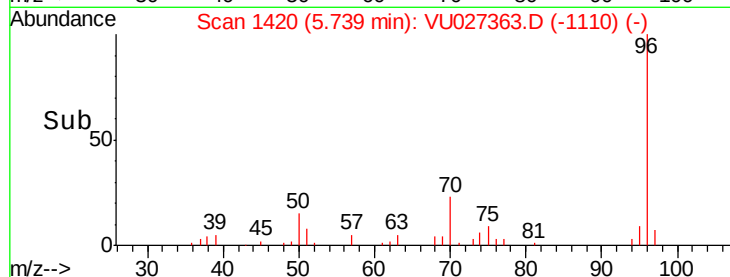
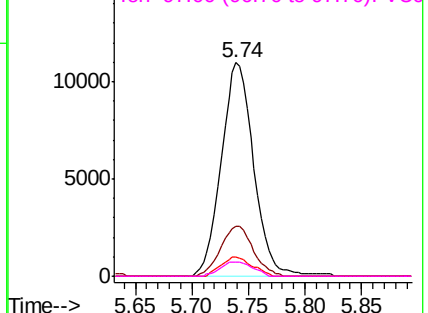


Abundance Ion 96.00 (95.70 to 96.70): VU027347.D (-1407) (-)

Ion 70.00 (69.70 to 70.70): VU027347.D (-1407) (-)

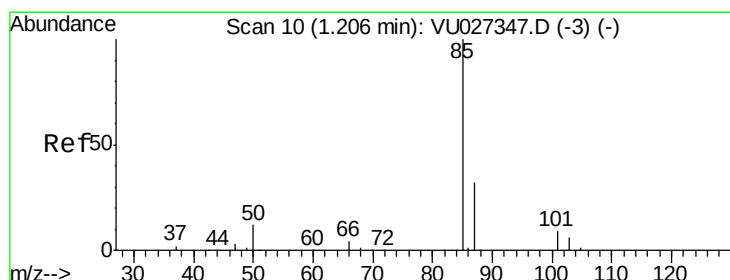
Ion 95.00 (94.70 to 95.70): VU027347.D (-1407) (-)

Ion 97.00 (96.70 to 97.70): VU027347.D (-1407) (-)



apatel

10/5/2018 12:14:45 PM



#2

Dichlorodifluoromethane

Concen: 10.115 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027363.D

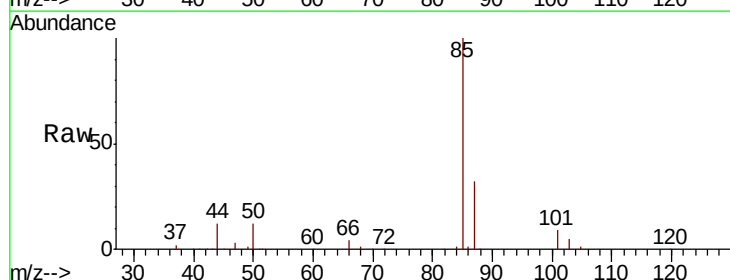
Acq: 03 Oct 2018 17:34

Tgt Ion: 85 Resp: 74505

Ion Ratio Lower Upper

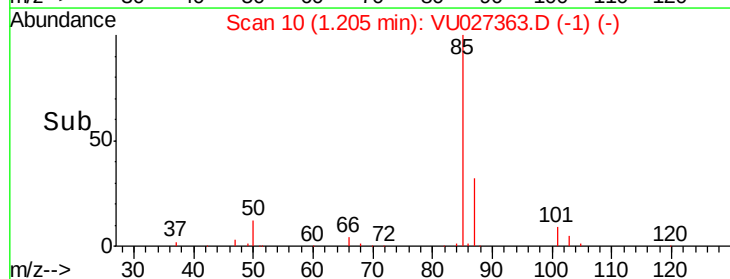
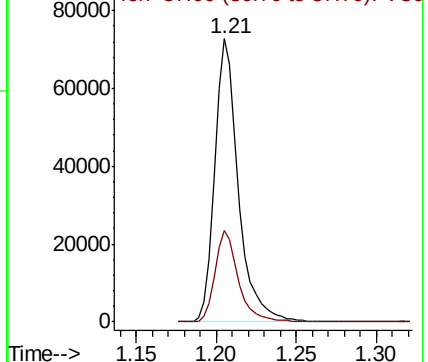
85 100

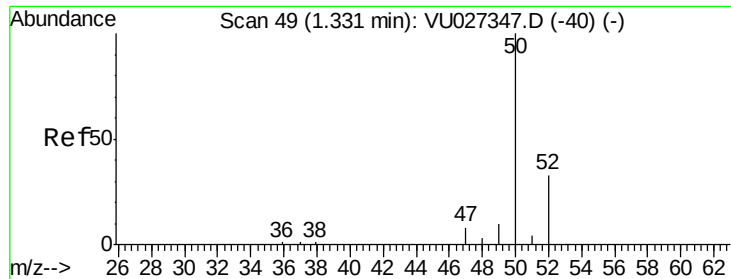
87 32.1 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VU027347.D (-3) (-)

Ion 87.00 (86.70 to 87.70): VU027347.D (-3) (-)





#3

Chloromethane

Concen: 10.280 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Tot Ion: 50 Resp: 87962

Ion Ratio Lower Upper

50 100

52 32.4 26.0 39.0

Instrument :

MSVOA_U

ClientSampleId :

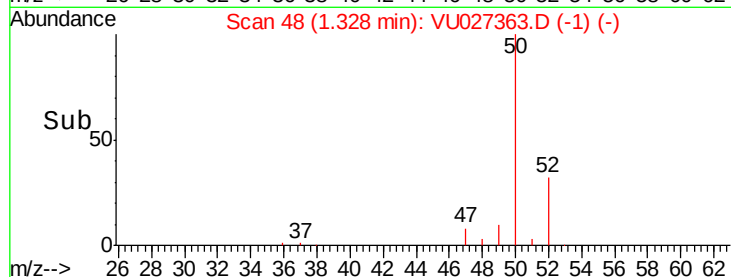
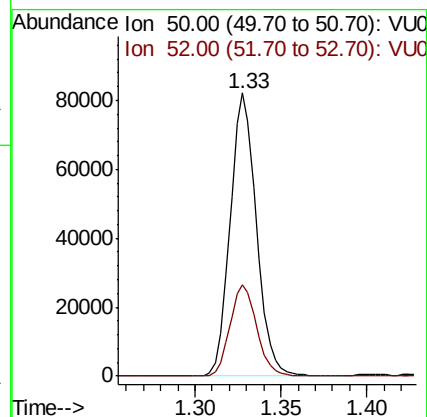
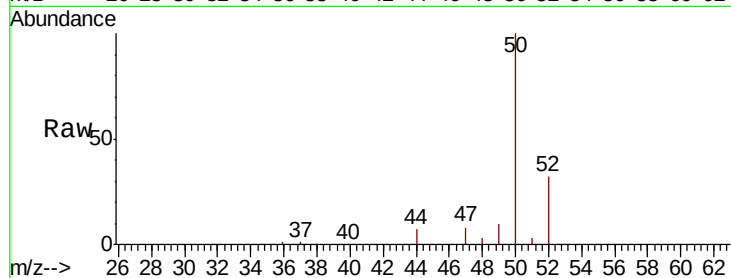
VSTDCCC010EC

Manual Integrations

APPROVED

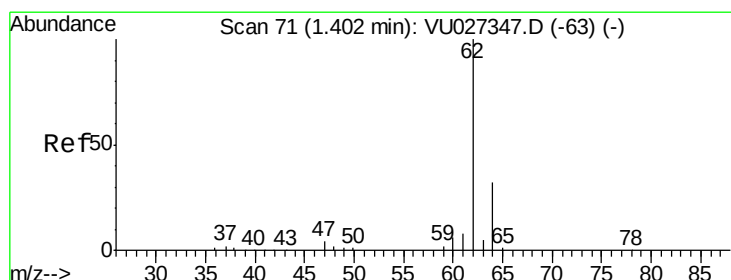
apatel

10/5/2018 12:14:45 PM



apatel

10/5/2018 12:14:45 PM



#4

Vinyl Chloride

Concen: 10.168 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027363.D

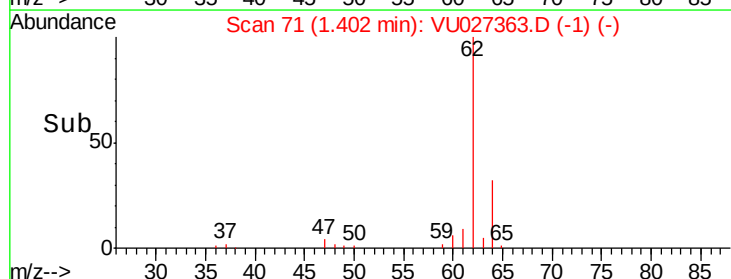
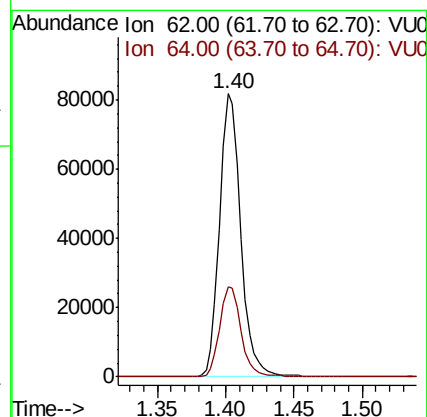
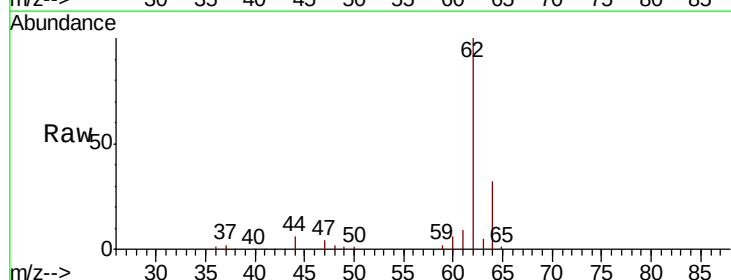
Acq: 03 Oct 2018 17:34

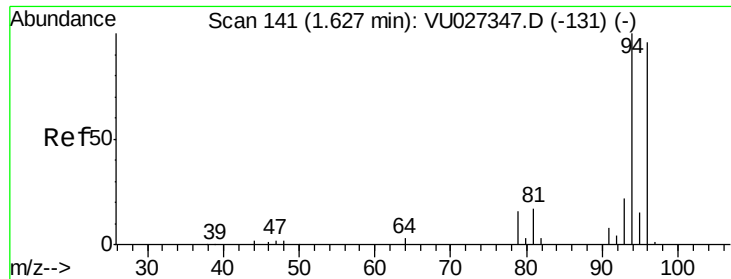
Tgt Ion: 62 Resp: 88510

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 12.335 ug/l

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 44907

Ion Ratio Lower Upper

94 100

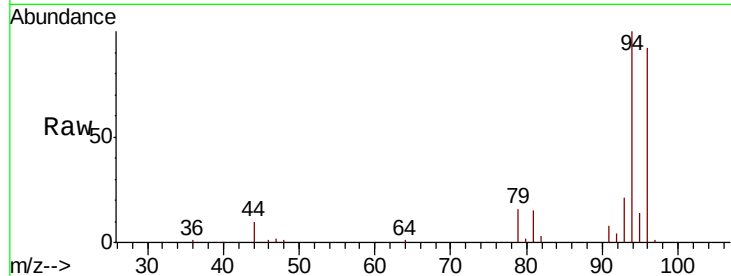
96 91.9 77.0 115.6

Manual Integrations

APPROVED

apatel

10/5/2018 12:14:45 PM



Abundance Ion 94.00 (93.70 to 94.70): VU027347.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VU027347.D (-131) (-)

1.63

40000

30000

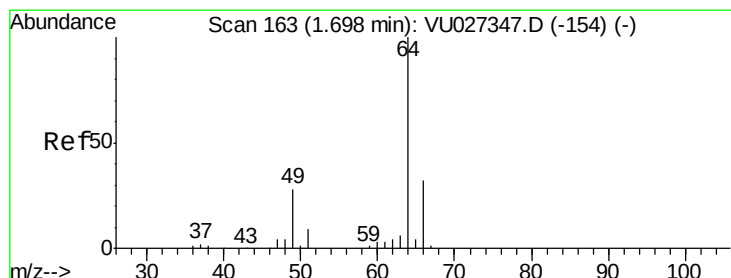
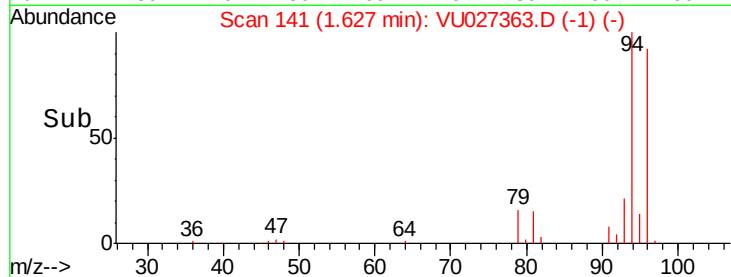
20000

10000

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 10.291 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027363.D

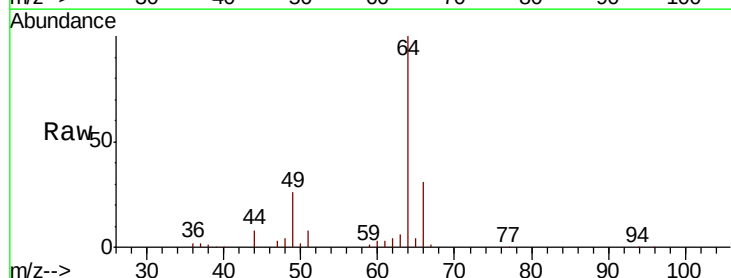
Acq: 03 Oct 2018 17:34

Tgt Ion: 64 Resp: 56432

Ion Ratio Lower Upper

64 100

66 31.3 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VU027347.D (-154) (-)

Ion 66.00 (65.70 to 66.70): VU027347.D (-154) (-)

1.70

50000

40000

30000

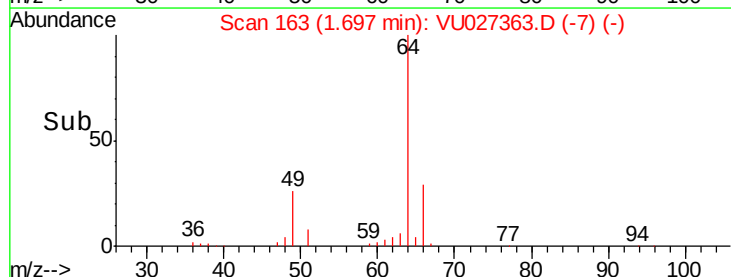
20000

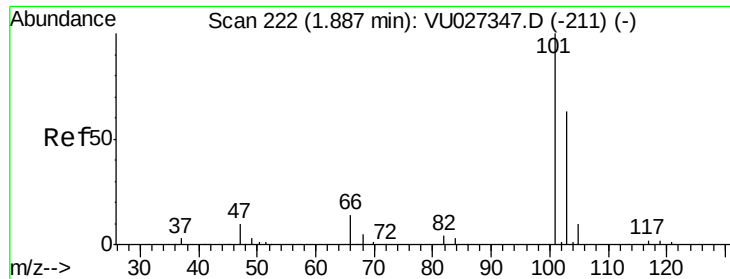
10000

0

1.65 1.70 1.75

Time-->





#7

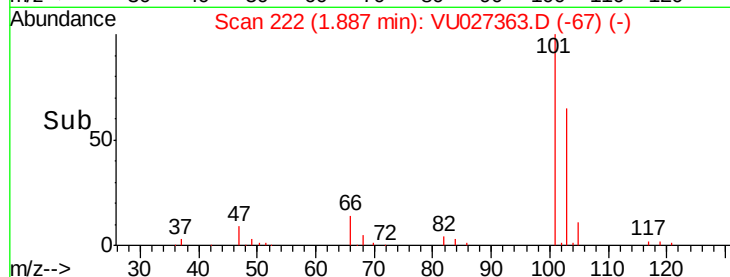
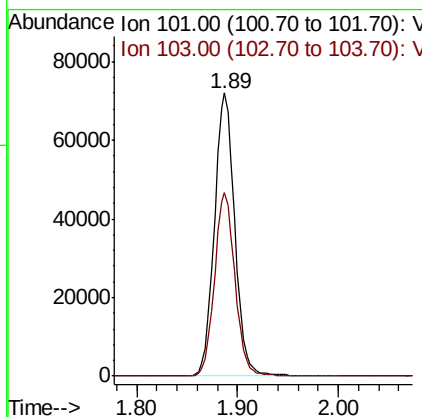
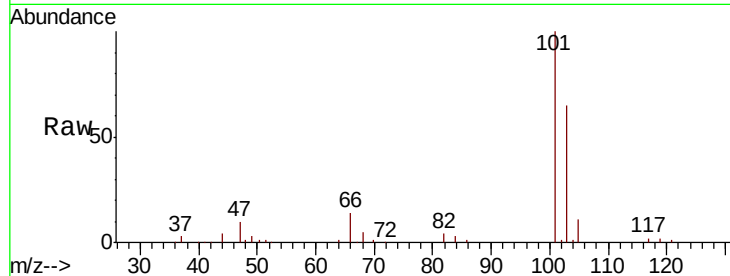
Trichlorofluoromethane
Concen: 10.037 ug/l
RT: 1.89 min Scan# 222
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	50.8	76.2

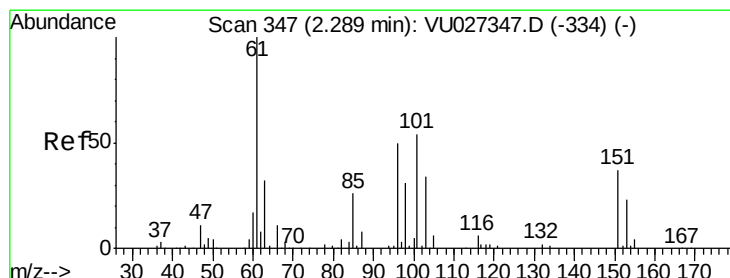
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



apatel

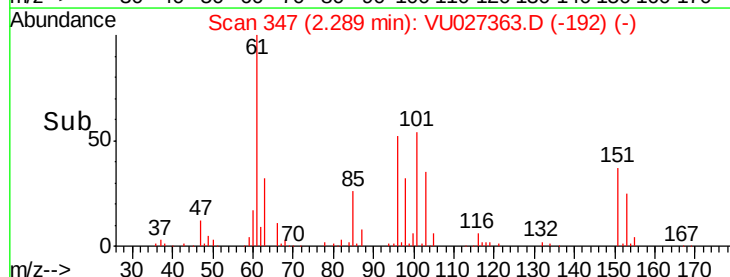
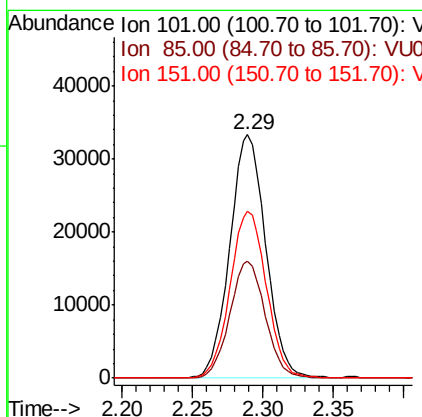
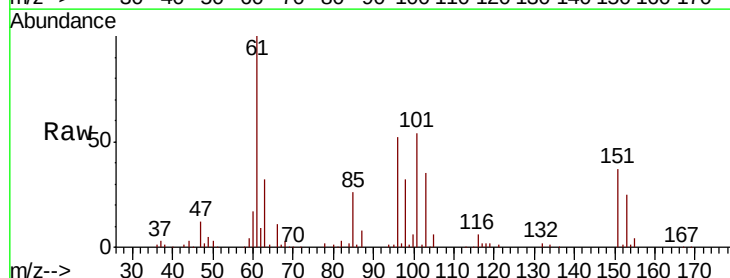
10/5/2018 12:14:45 PM

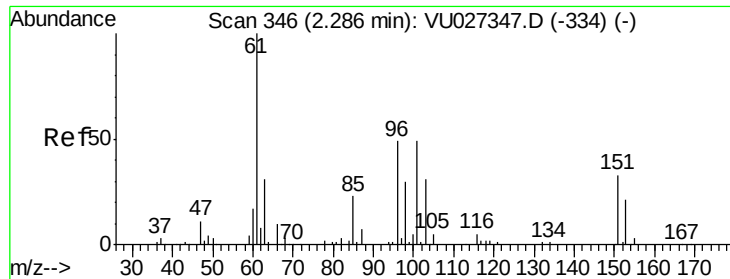


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.990 ug/l
RT: 2.29 min Scan# 347
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
101	100		
85	47.6	37.6	56.4
151	69.5	54.6	81.8





#9

1,1-Dichloroethene

Concen: 10.211 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

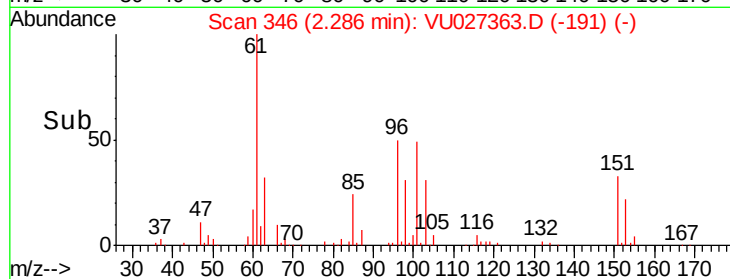
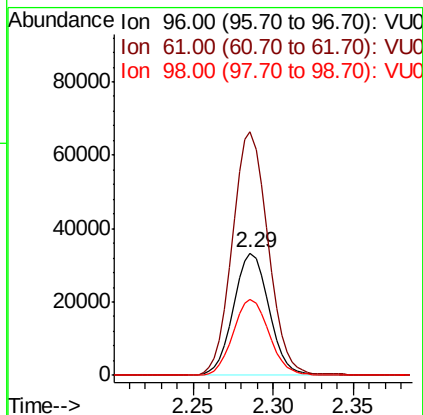
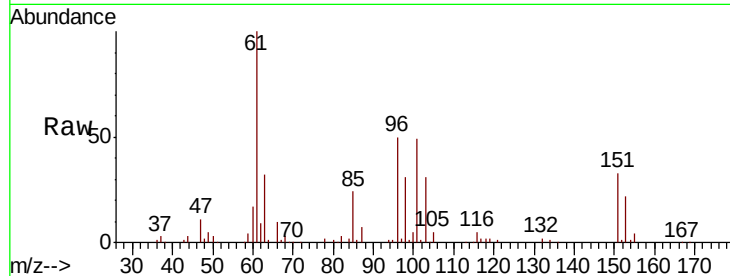
VSTDCCC010EC

Tot Ion:	96	Resp:	50455
Ion	Ratio	Lower	Upper
96	100		
61	199.3	0.0	614.1
98	62.4	0.0	123.4

Manual Integrations
APPROVED

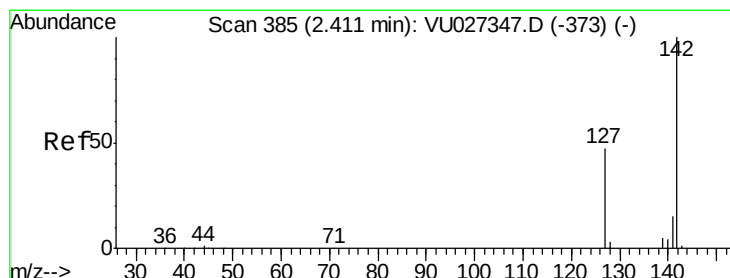
apatel

10/5/2018 12:14:45 PM



apatel

10/5/2018 12:14:45 PM



#10

Iodomethane

Concen: 10.841 ug/l

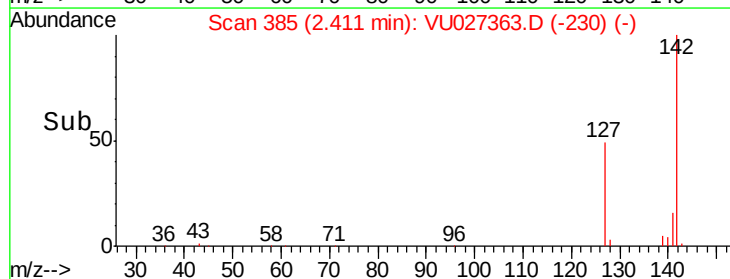
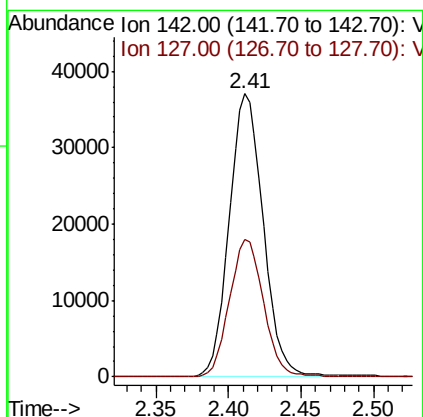
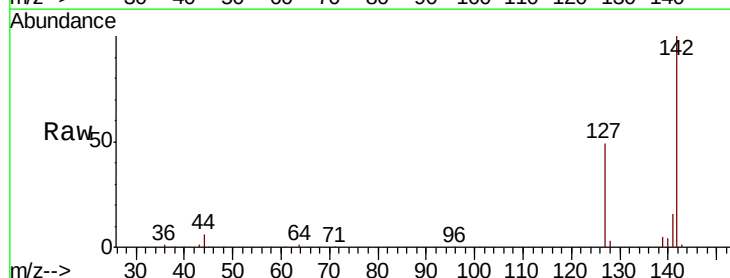
RT: 2.41 min Scan# 385

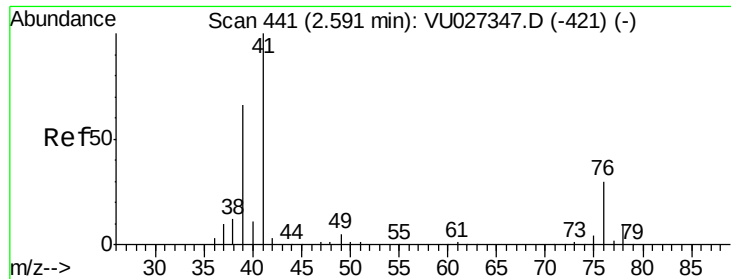
Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Tgt Ion:	142	Resp:	60366
Ion	Ratio	Lower	Upper
142	100		
127	48.8	38.3	57.5





#11

Allvl Chloride

Concen: 9.853 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 128643

Ion Ratio Lower Upper

41 100

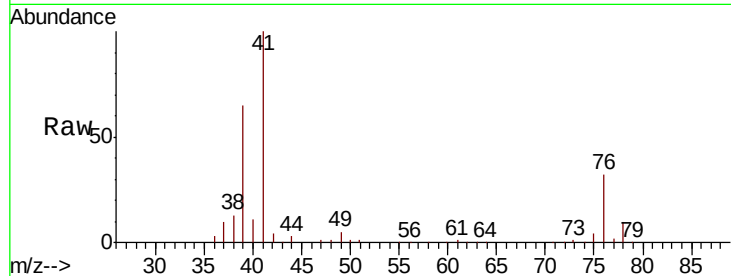
39 64.4 52.2 78.4

Manual Integrations

APPROVED

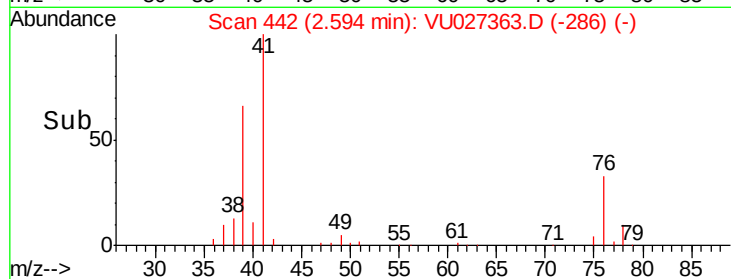
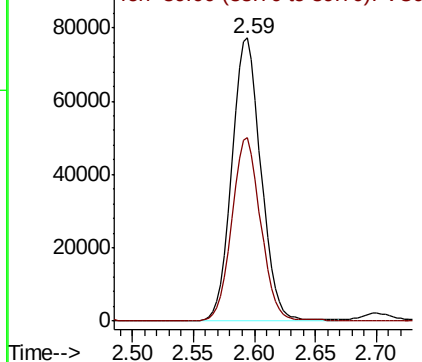
apatel

10/5/2018 12:14:45 PM



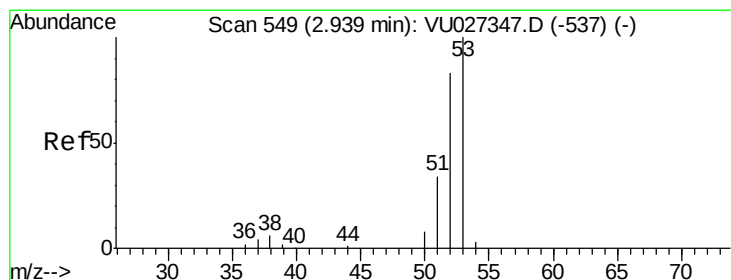
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0



apatel

10/5/2018 12:14:45 PM



#12

Acrylonitrile

Concen: 18.583 ug/l

RT: 2.94 min Scan# 549

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

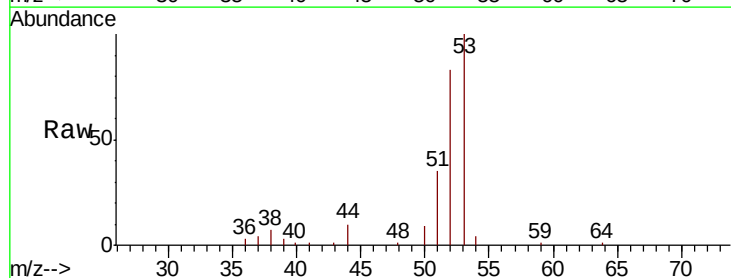
Tgt Ion: 53 Resp: 31699

Ion Ratio Lower Upper

53 100

52 83.5 67.0 100.4

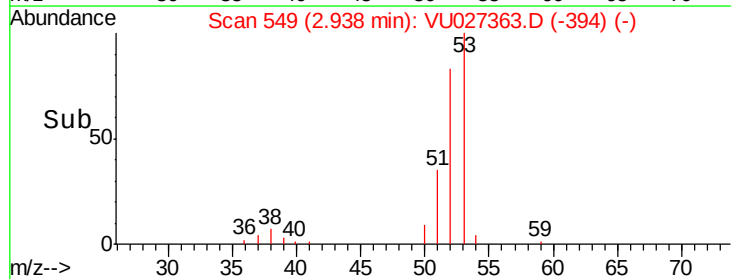
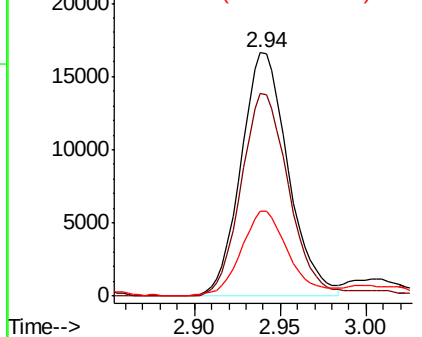
51 35.1 29.0 43.6

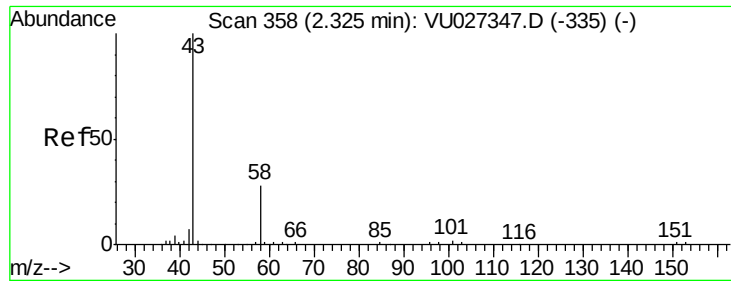


Abundance Ion 53.00 (52.70 to 53.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

Ion 51.00 (50.70 to 51.70): VU0





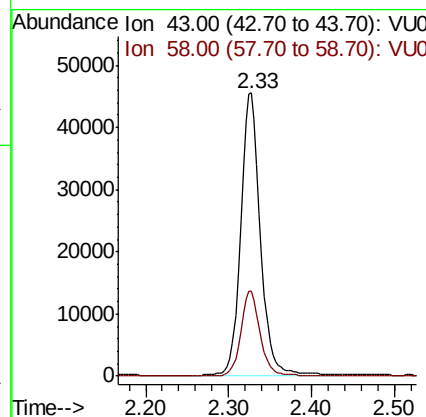
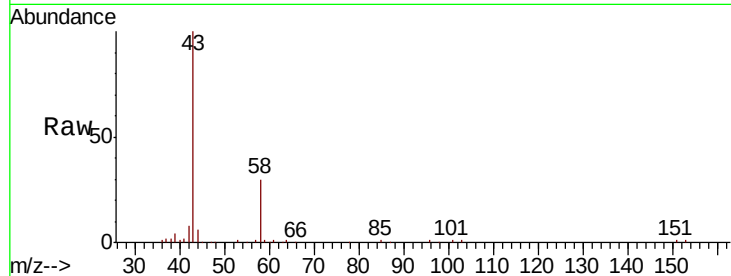
#13
Acetone
Concen: 47.891 ug/l
RT: 2.33 min Scan# 359
Delta R.T. 0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.6	34.0

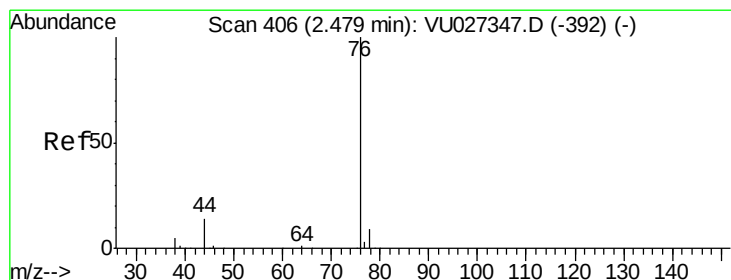
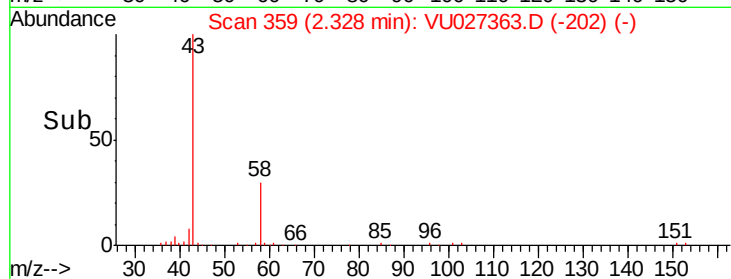
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



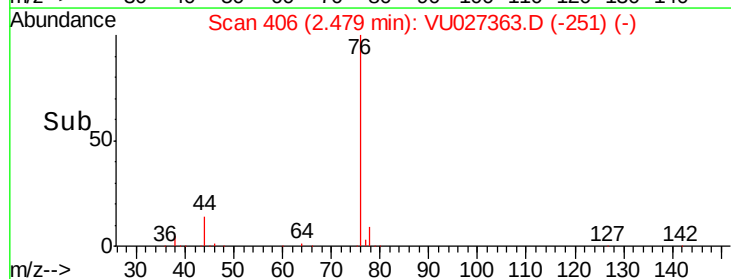
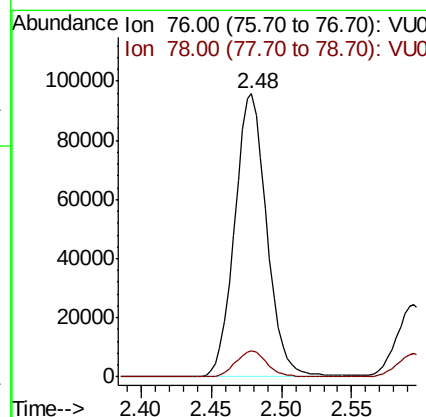
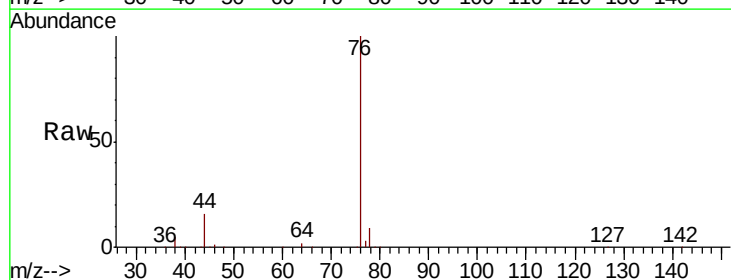
apatel

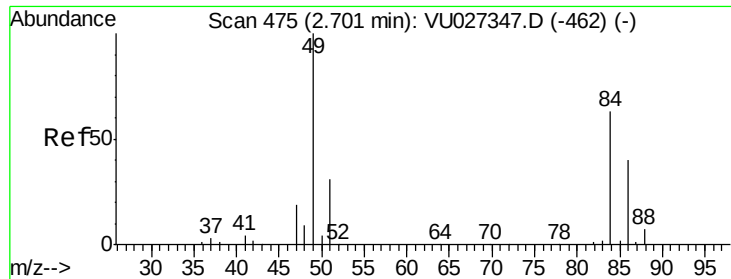
10/5/2018 12:14:45 PM



#14
Carbon Disulfide
Concen: 9.944 ug/l
RT: 2.48 min Scan# 406
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9





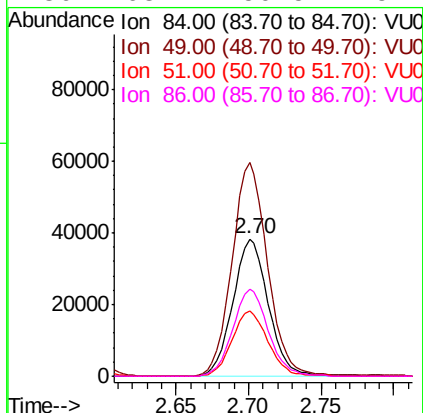
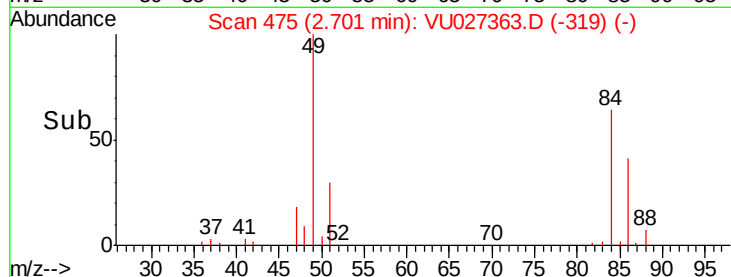
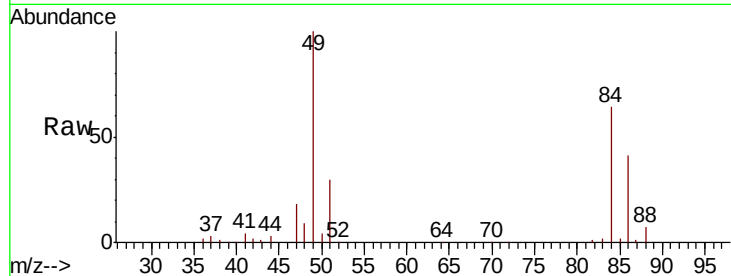
#15
Methylene Chloride
Concen: 9.189 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	84	Resp:	64982
Ion	Ratio	Lower	Upper
84	100		
49	155.9	126.0	189.0
51	47.4	0.0	97.4
86	63.7	50.5	75.7

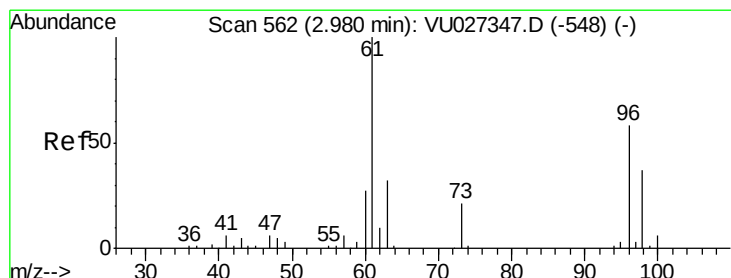
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



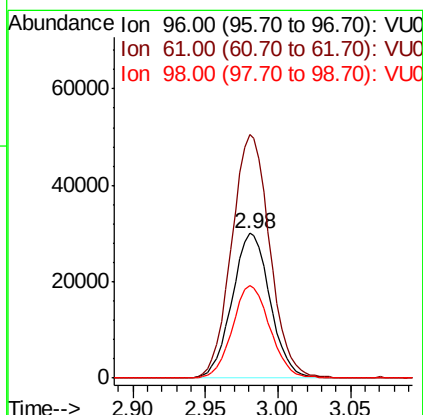
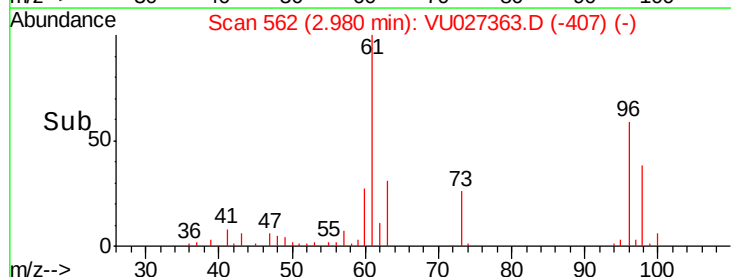
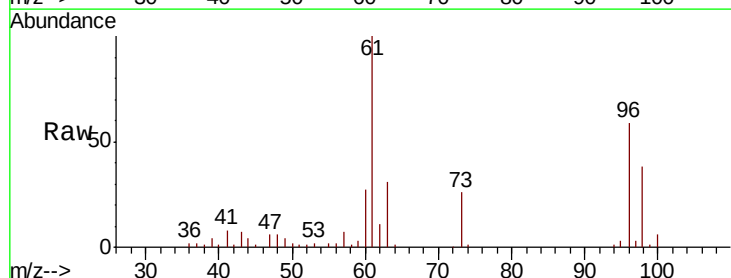
apatel

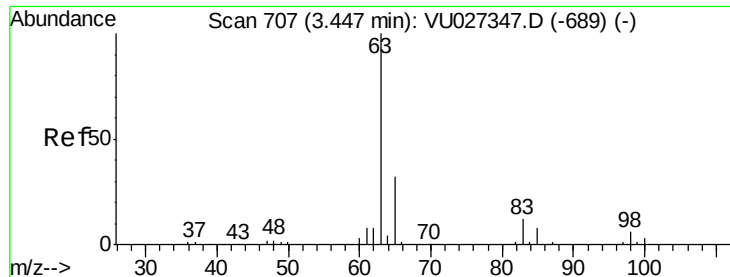
10/5/2018 12:14:45 PM



#16
trans-1,2-Dichloroethene
Concen: 9.519 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion:	96	Resp:	54709
Ion	Ratio	Lower	Upper
96	100		
61	168.2	138.2	207.4
98	63.7	51.5	77.3





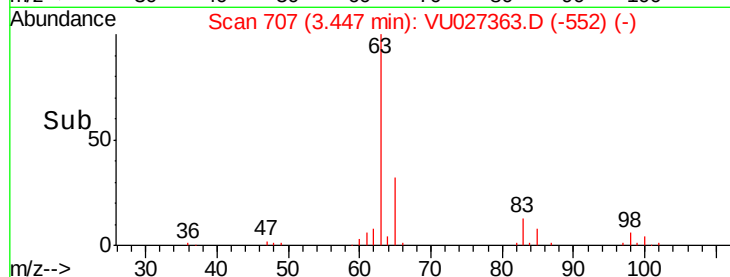
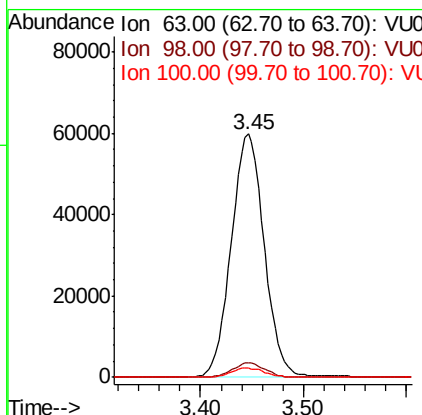
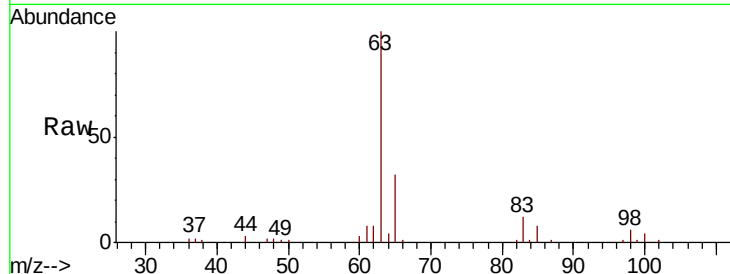
#17
 1,1-Dichloroethane
 Concen: 9.623 ug/l
 RT: 3.45 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	63	Resp:	133514
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.9	8.6
100	3.7	1.8	5.3

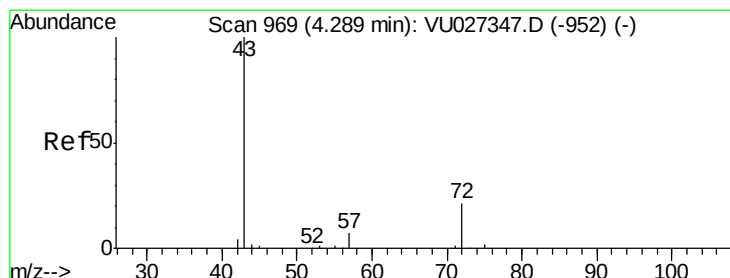
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



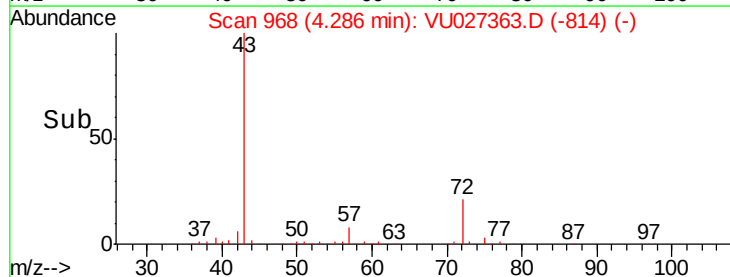
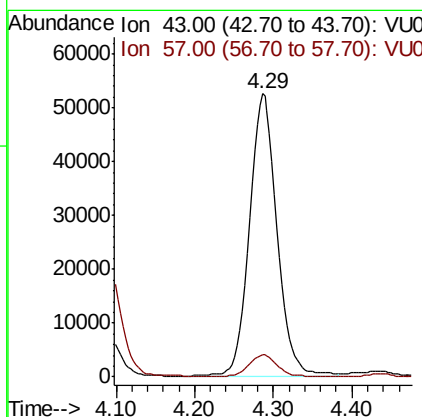
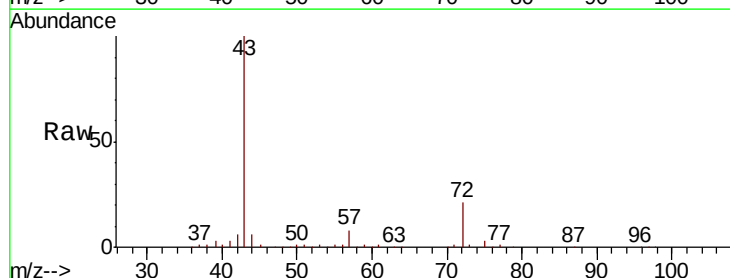
apatel

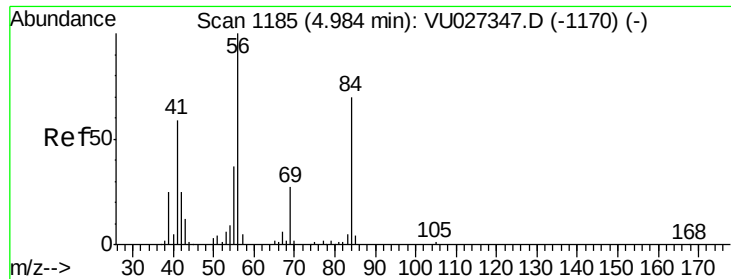
10/5/2018 12:14:45 PM



#18
 2-Butanone
 Concen: 49.838 ug/l
 RT: 4.29 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion:	43	Resp:	130177
Ion Ratio	Lower	Upper	
43	100		
57	7.8	0.0	14.4





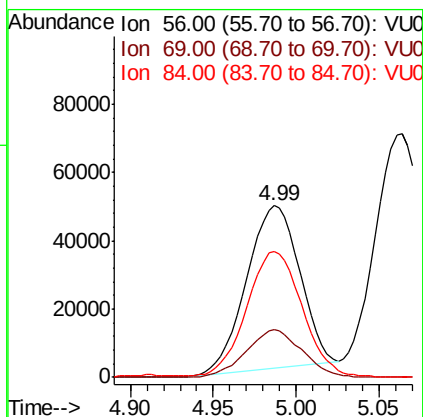
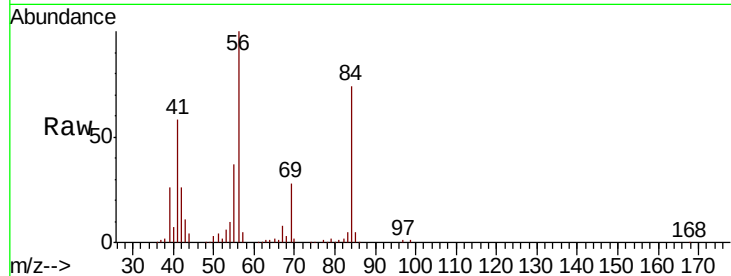
#19
Cyclohexane
Concen: 10.105 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. 0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.1	24.9	37.3
84	80.0	63.0	94.6

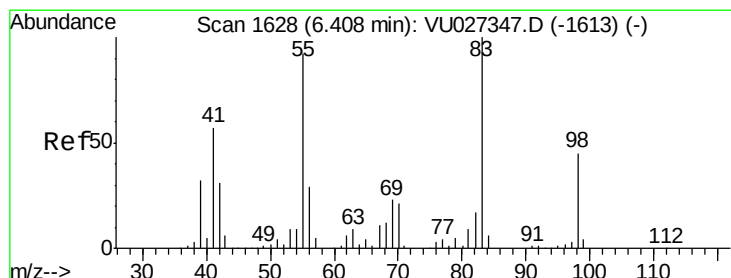
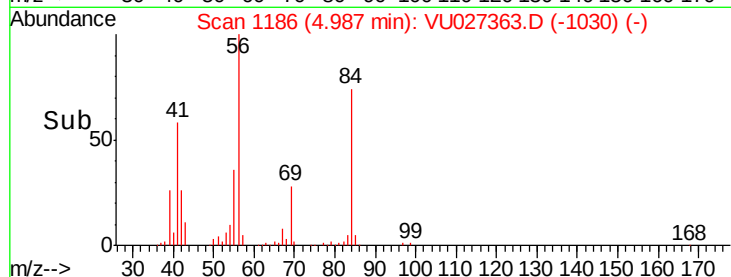
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



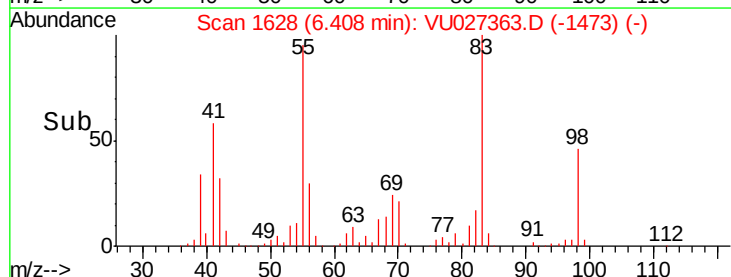
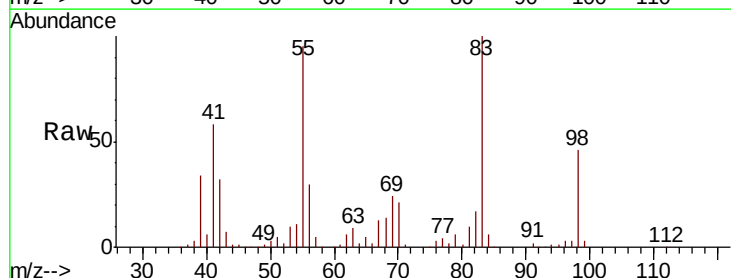
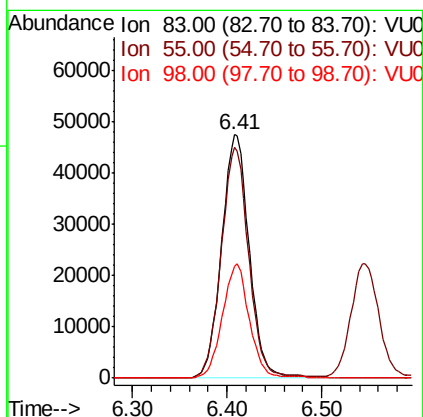
apatel

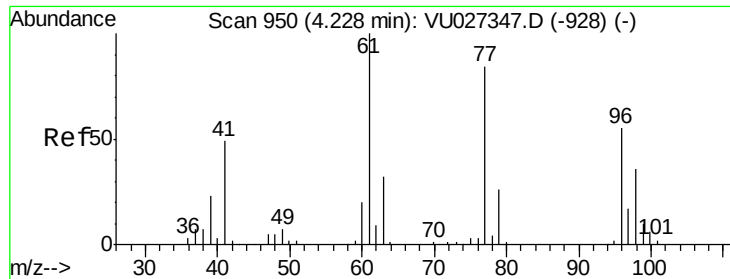
10/5/2018 12:14:45 PM



#20
Methylcyclohexane
Concen: 10.179 ug/l
RT: 6.41 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.1	71.6	107.4
98	45.4	35.8	53.6





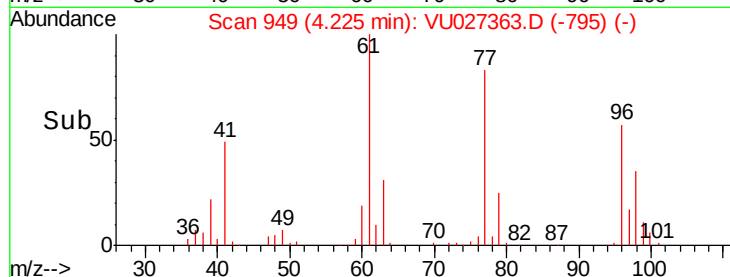
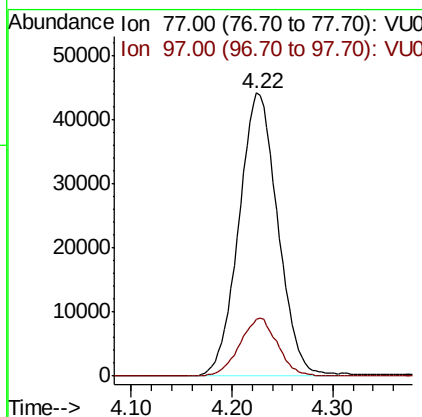
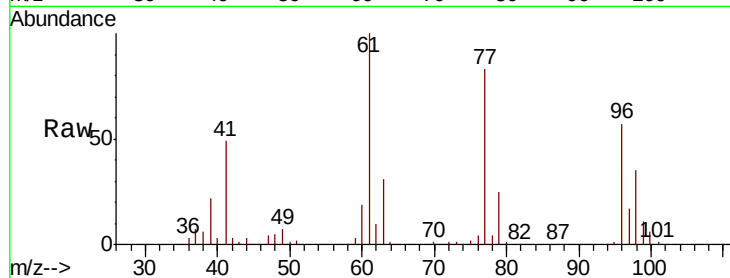
#21
 2,2-Dichloropropane
 Concen: 9.979 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 118562
 Ion Ratio Lower Upper
 77 100
 97 19.8 16.0 24.0

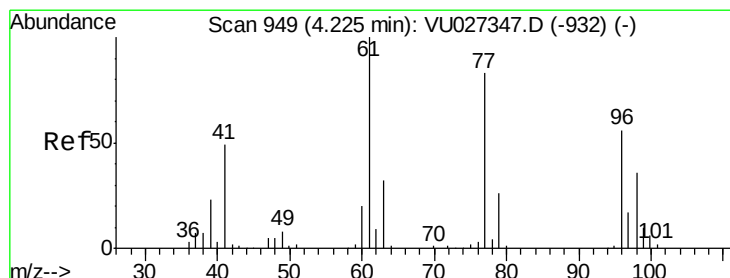
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



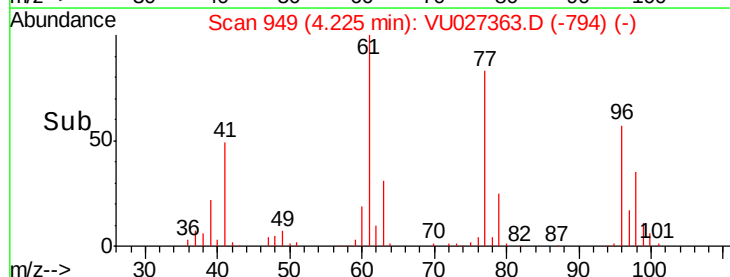
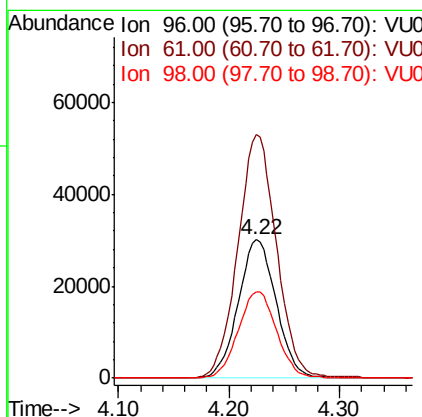
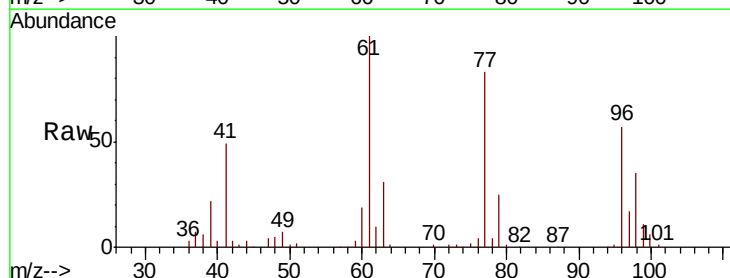
apatel

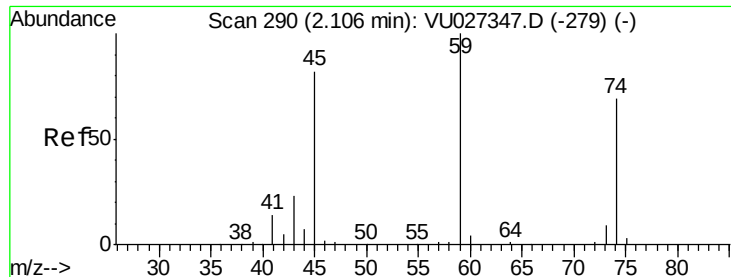
10/5/2018 12:14:45 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.374 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion: 96 Resp: 71841
 Ion Ratio Lower Upper
 96 100
 61 178.8 0.0 461.8
 98 63.4 32.5 97.4





#23

Diethyl Ether

Concen: 10.090 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

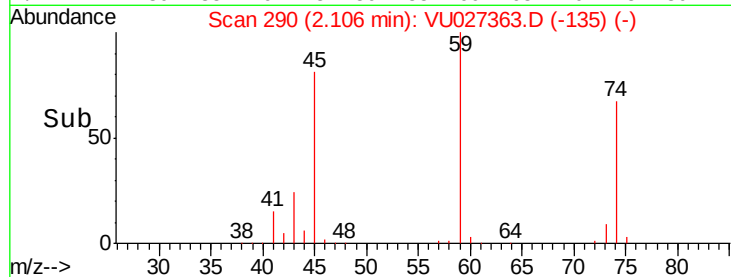
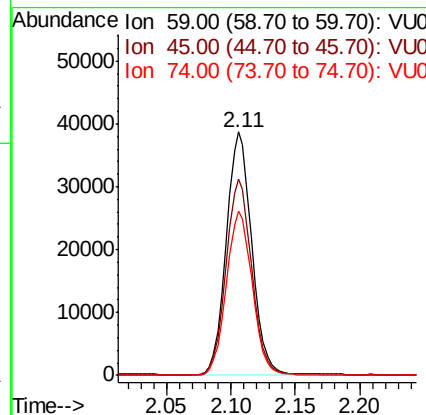
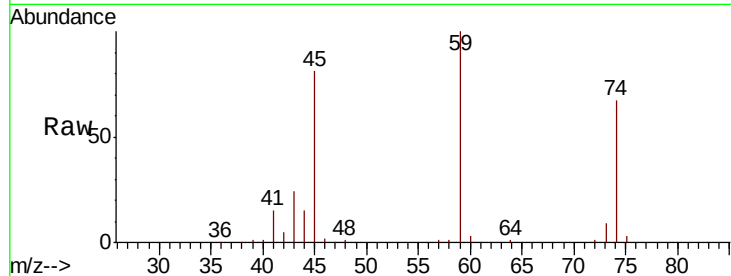
ClientSampleId :

VSTDCCC010EC

Tot Ion:	59	Resp:	53200
Ion	Ratio	Lower	Upper
59	100		
45	81.5	65.2	97.8
74	68.2	54.2	81.4

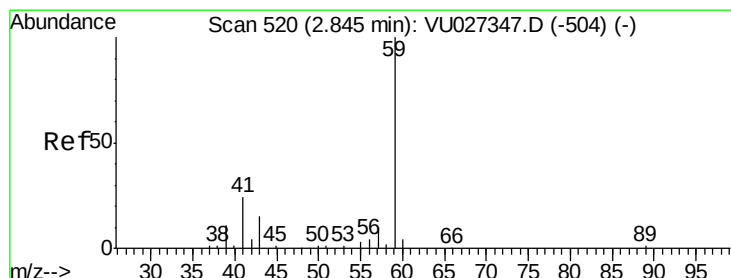
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



apatel

10/5/2018 12:14:45 PM



#24

tert-Butyl Alcohol

Concen: 92.614 ug/l

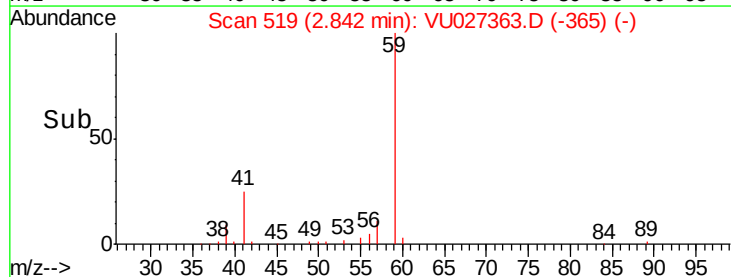
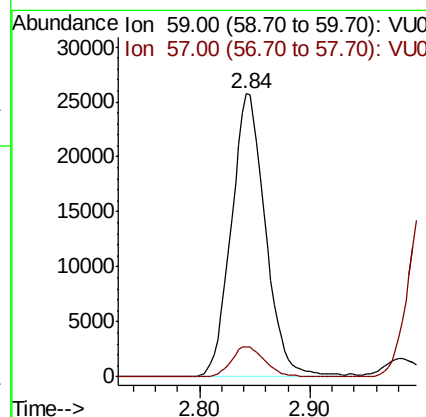
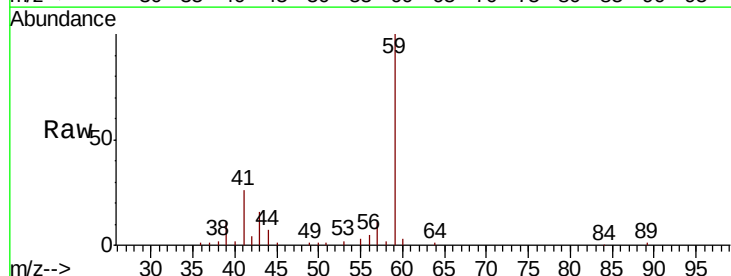
RT: 2.84 min Scan# 519

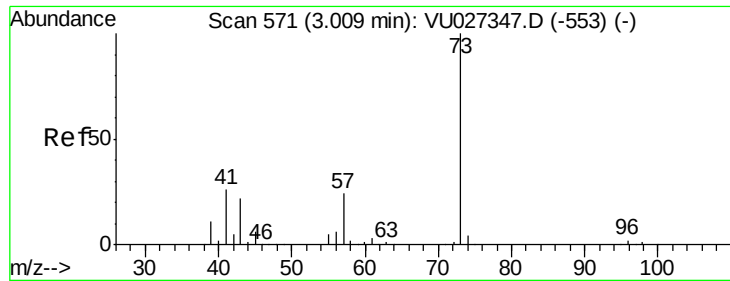
Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Tgt Ion:	59	Resp:	55219
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2





#25

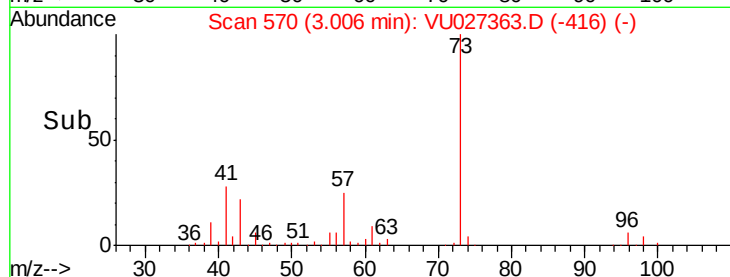
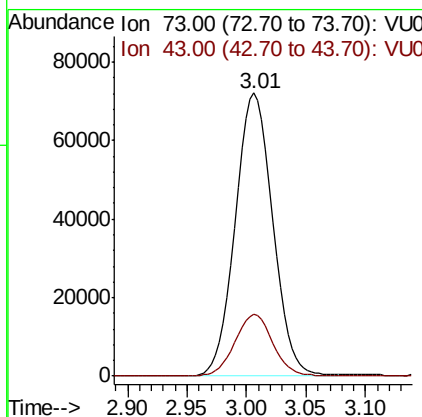
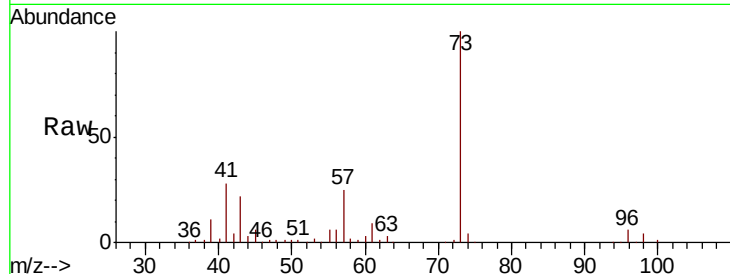
Methyl tert-Butyl Ether
 Concen: 9.581 ug/l
 RT: 3.01 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	22.3	17.6	26.4

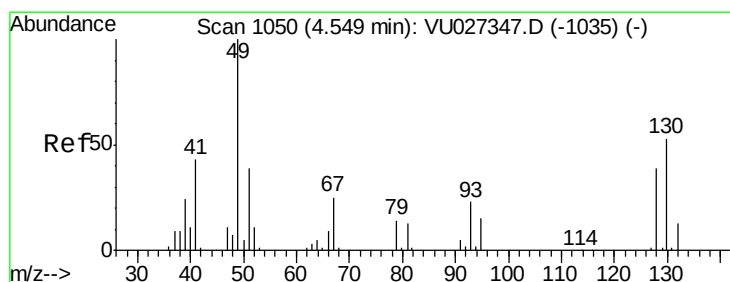
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



apatel

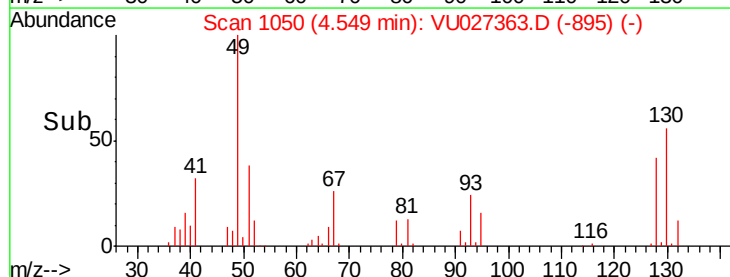
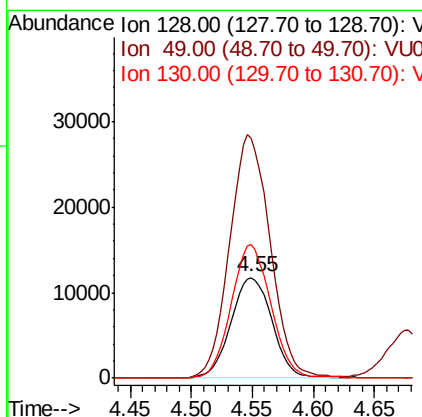
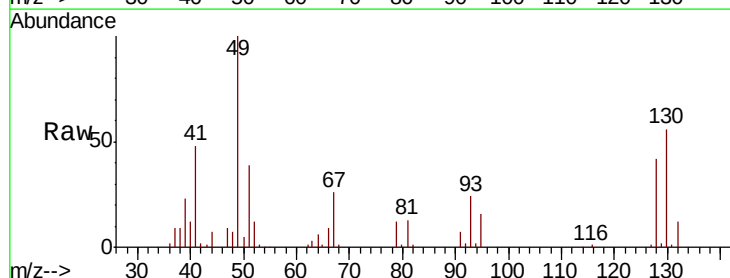
10/5/2018 12:14:45 PM

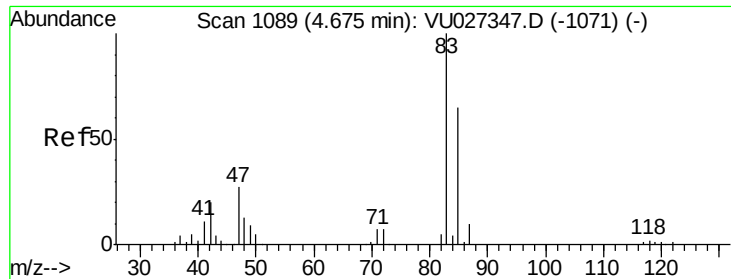


#26

Bromochloromethane
 Concen: 10.784 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
128	100		
49	239.5	0.0	498.8
130	128.7	103.8	155.8





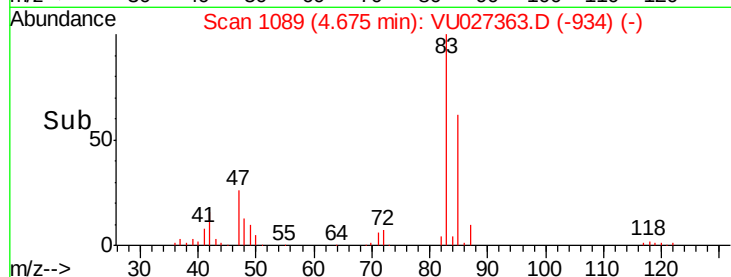
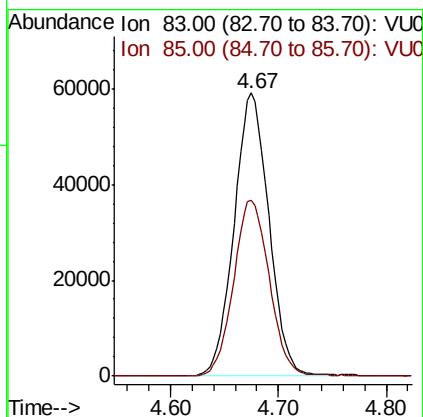
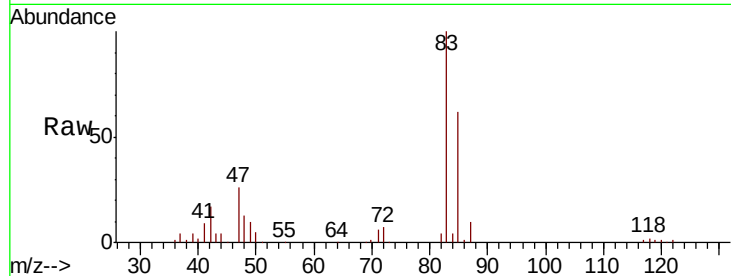
#27
Chloroform
Concen: 10.507 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	133073
Ion Ratio	100	Lower	Upper
83	100		
85	62.0	0.0	129.4

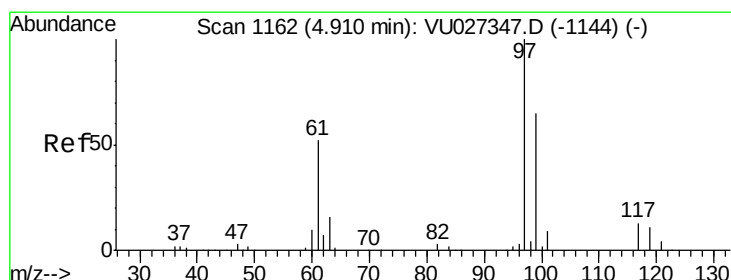
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



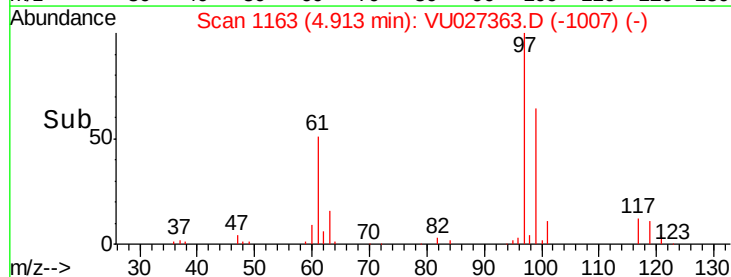
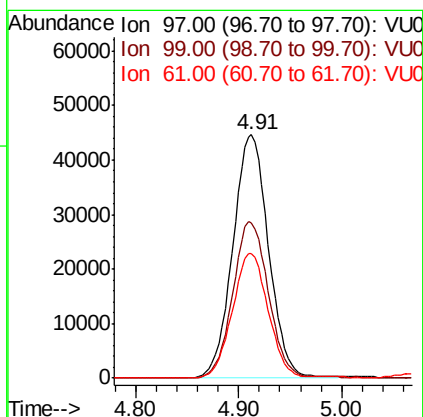
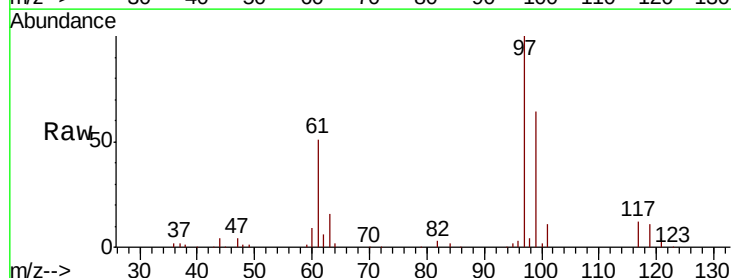
apatel

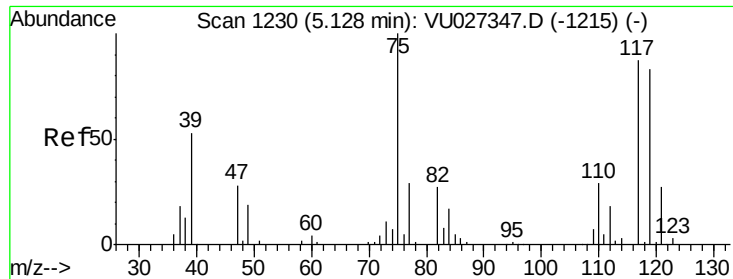
10/5/2018 12:14:45 PM



#28
1,1,1-Trichloroethane
Concen: 10.464 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	97	Resp	107502
Ion Ratio	100	Lower	Upper
97	100		
99	63.9	31.9	95.9
61	51.4	25.7	77.1





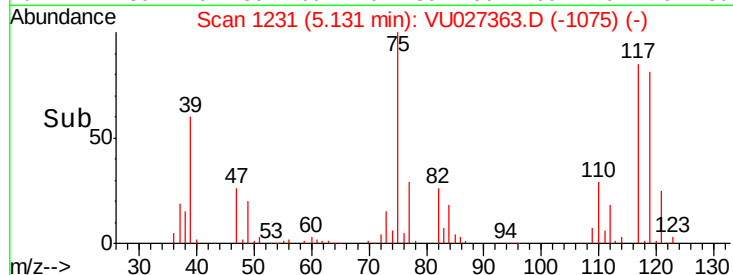
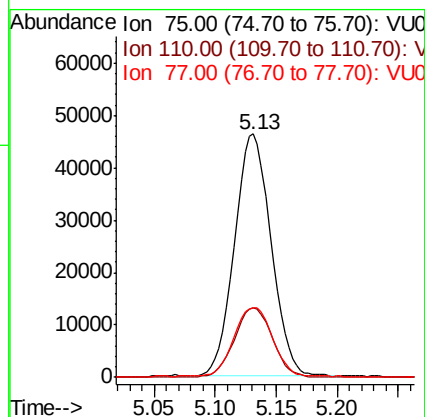
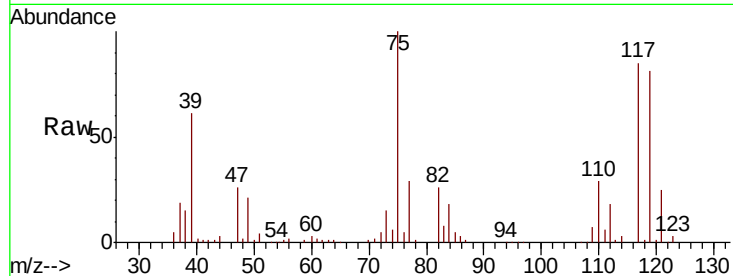
#29
1,1-Dichloropropene
Concen: 10.386 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.8	15.0	45.0
77	29.8	24.2	36.2

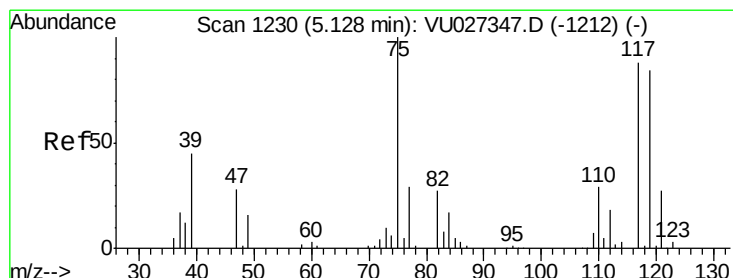
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



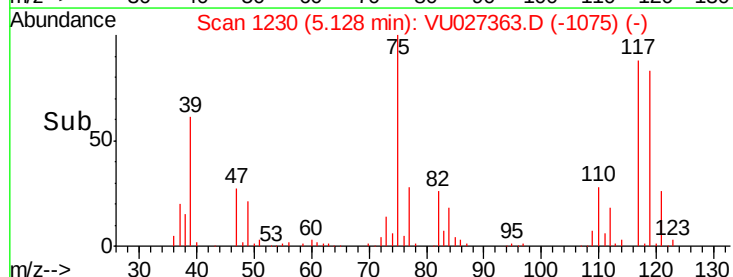
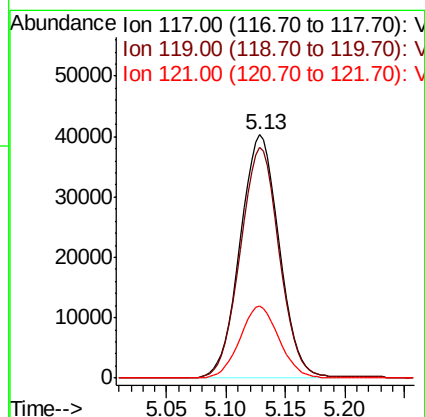
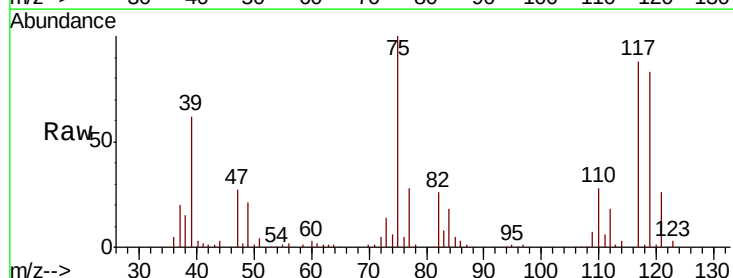
apatel

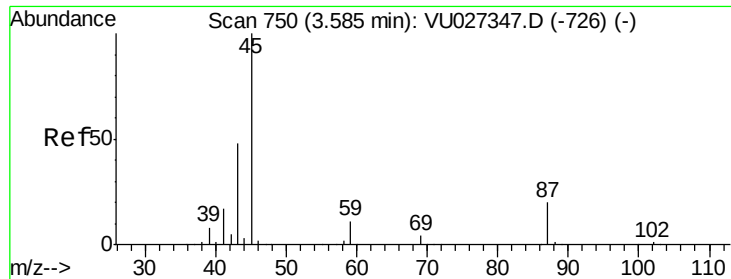
10/5/2018 12:14:45 PM



#30
Carbon Tetrachloride
Concen: 10.802 ug/l
RT: 5.13 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.9	113.9
121	29.5	24.6	37.0





#31

Isopropyl Ether

Concen: 9.232 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Tot Ion: 45 Resp: 243659

Ion Ratio Lower Upper

45 100

43 48.7 24.1 72.3

Instrument :

MSVOA_U

ClientSampled :

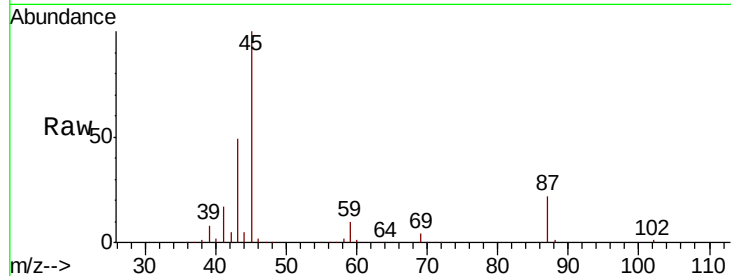
VSTDCCC010EC

Manual Integrations

APPROVED

apatel

10/5/2018 12:14:45 PM

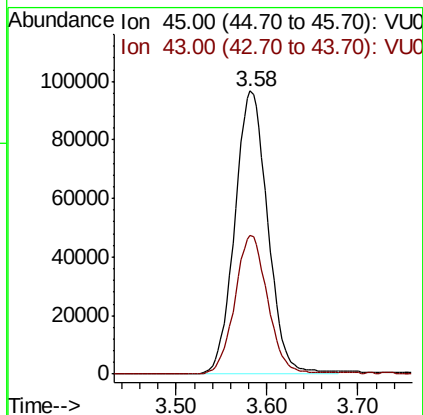
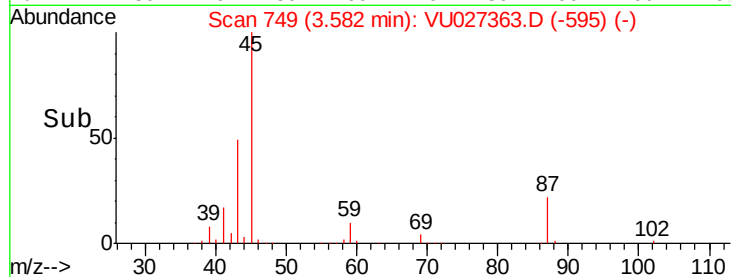


Abundance Ion 45.00 (44.70 to 45.70): VU027347.D (-726) (-)

Ion 43.00 (42.70 to 43.70): VU027347.D (-726) (-)

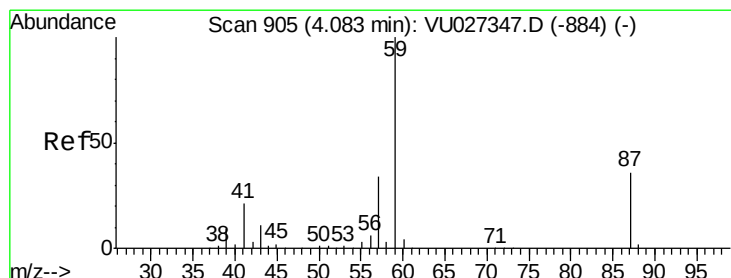
3.58

Time-->



apatel

10/5/2018 12:14:45 PM



#32

Ethyl-t-butyl ether

Concen: 10.243 ug/l

RT: 4.08 min Scan# 905

Delta R.T. -0.00 min

Lab File: VU027363.D

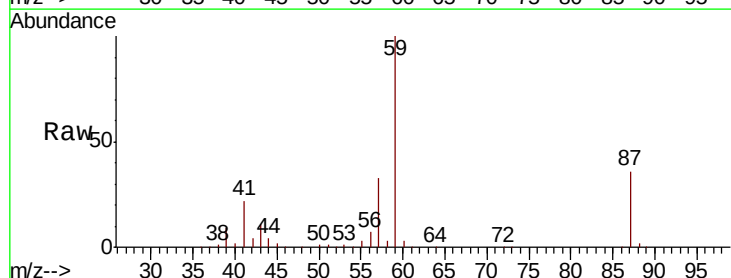
Acq: 03 Oct 2018 17:34

Tgt Ion: 59 Resp: 211045

Ion Ratio Lower Upper

59 100

87 36.9 28.6 42.8

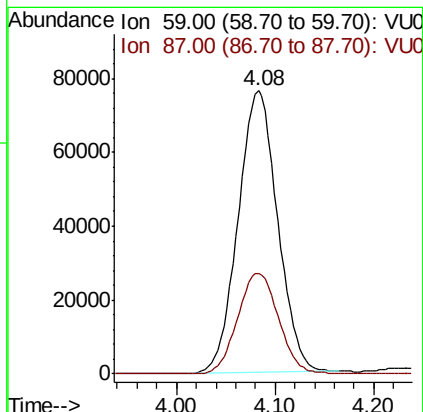
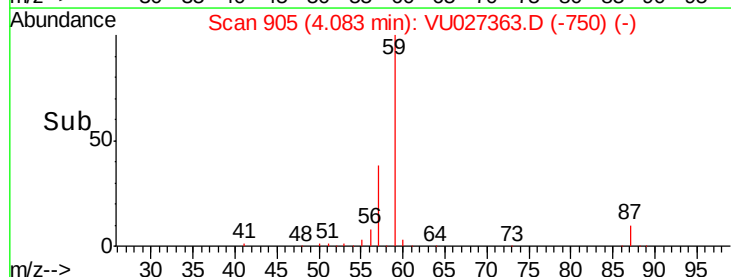


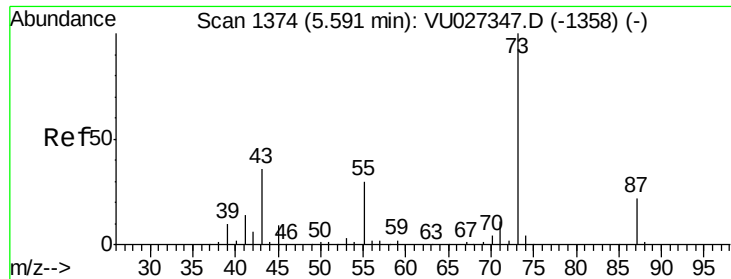
Abundance Ion 59.00 (58.70 to 59.70): VU027347.D (-884) (-)

Ion 87.00 (86.70 to 87.70): VU027347.D (-884) (-)

4.08

Time-->





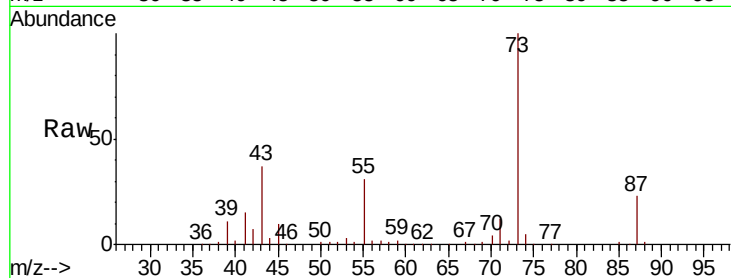
#33
Tert-Butyl methyl ether
Concen: 10.408 ug/l
RT: 5.59 min Scan# 1374
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	22.8	18.1	27.1
71	11.7	9.2	13.8

Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM

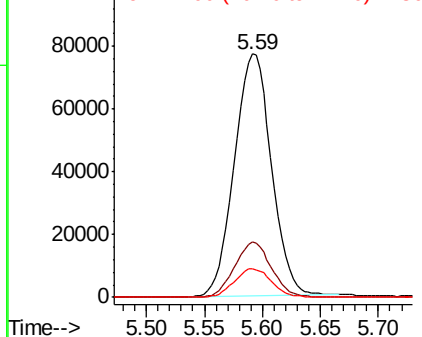


Abundance

Ion 73.00 (72.70 to 73.70): VU027347.D (-1358) (-)

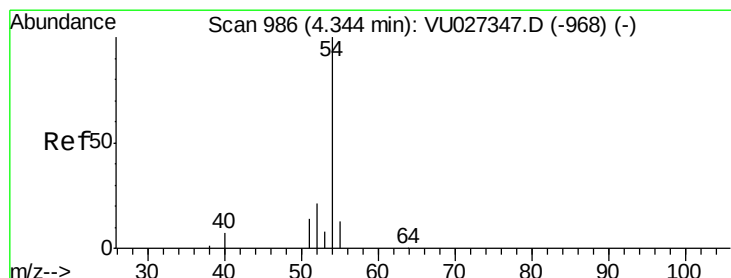
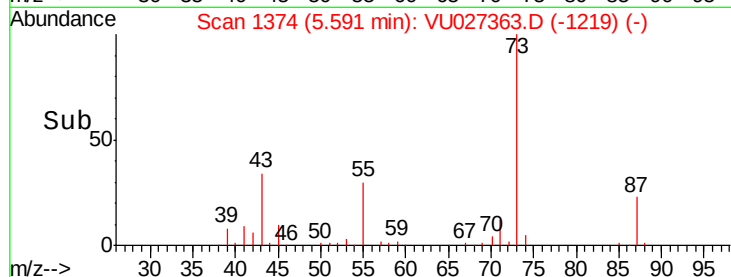
Ion 87.00 (86.70 to 87.70): VU027347.D (-1358) (-)

Ion 71.00 (70.70 to 71.70): VU027347.D (-1358) (-)



apatel

10/5/2018 12:14:45 PM



#34
Propionitrile
Concen: 51.787 ug/l
RT: 4.34 min Scan# 986
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.6	16.9	25.3
55	16.5	13.9	20.9
40	7.1	5.4	8.0

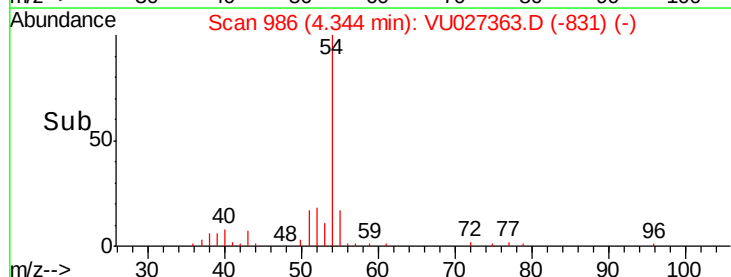
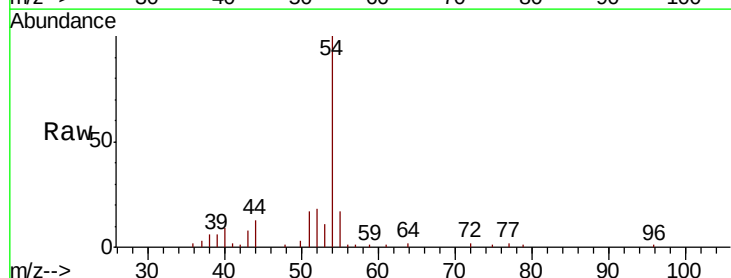
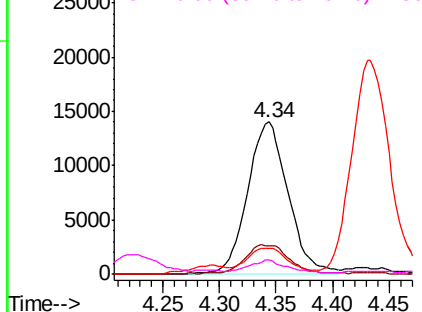
Abundance

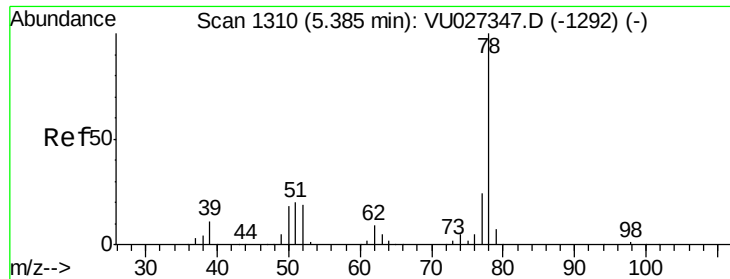
Ion 54.00 (53.70 to 54.70): VU027347.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VU027347.D (-968) (-)

Ion 55.00 (54.70 to 55.70): VU027347.D (-968) (-)

Ion 40.00 (39.70 to 40.70): VU027347.D (-968) (-)





#35

Benzene

Concen: 10.507 ug/l

RT: 5.39 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 78 Resp: 284252

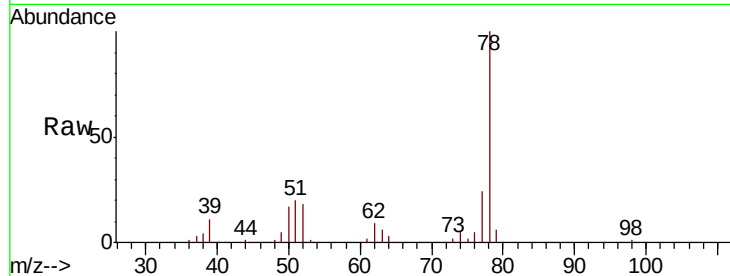
Ion Ratio Lower Upper

78 100

77 24.0 19.5 29.3

Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



Abundance Ion 78.10 (77.80 to 78.80): VU027347.D (-1292) (-)

Ion 77.00 (76.70 to 77.70): VU027347.D (-1292) (-)

5.39

150000

100000

50000

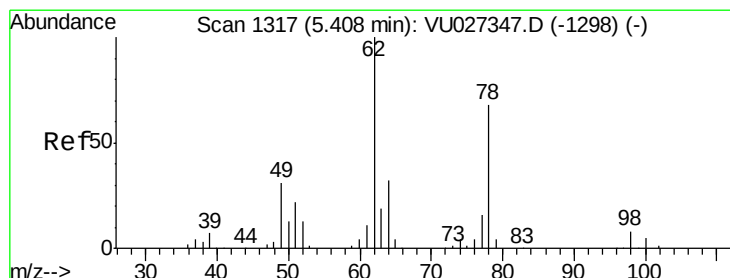
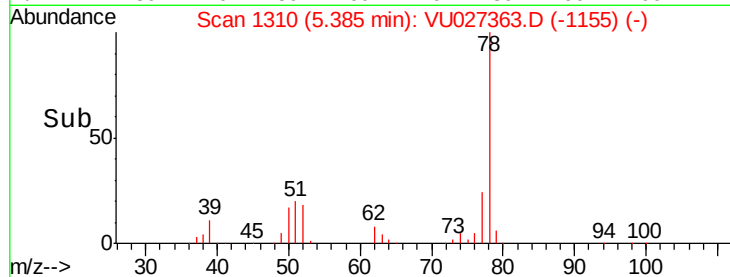
0

Time-->

5.30 5.40 5.50 5.60

apatel

10/5/2018 12:14:45 PM



#36

1,2-Dichloroethane

Concen: 10.516 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU027363.D

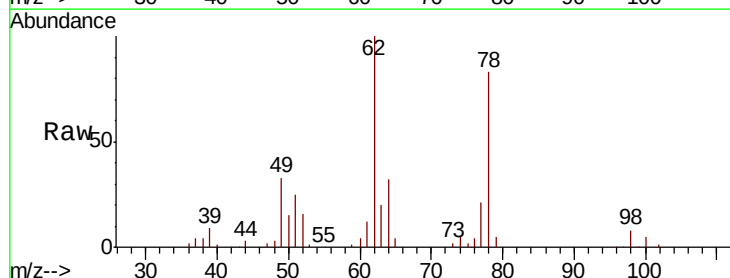
Acq: 03 Oct 2018 17:34

Tgt Ion: 62 Resp: 93267

Ion Ratio Lower Upper

62 100

98 8.0 6.2 9.2



Abundance Ion 62.00 (61.70 to 62.70): VU027347.D (-1298) (-)

Ion 98.00 (97.70 to 98.70): VU027347.D (-1298) (-)

5.41

50000

40000

30000

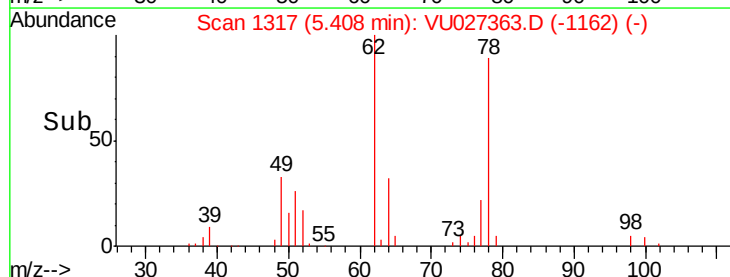
20000

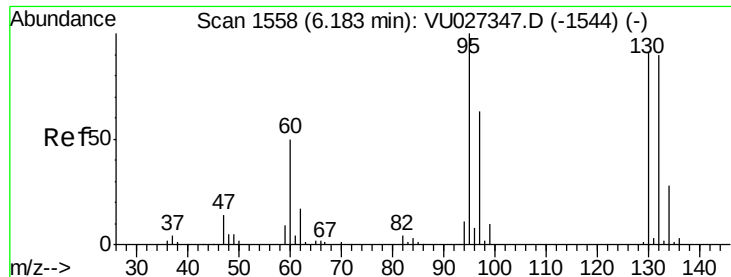
10000

0

Time-->

5.30 5.40 5.50





#37

Trichloroethene

Concen: 10.318 ug/l

RT: 6.18 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:130 Resp: 61964

Ion Ratio Lower Upper

130 100

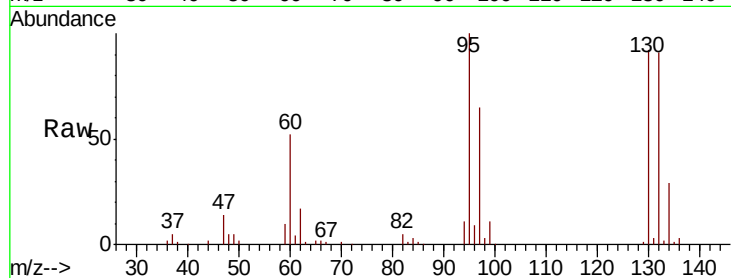
95 109.3 87.6 131.4

Manual Integrations

APPROVED

apatel

10/5/2018 12:14:45 PM



Abundance Ion 129.90 (129.60 to 130.60): VU027347.D (-1544) (-)

Ion 94.90 (94.60 to 95.60): VU027347.D (-1544) (-)

618

40000

30000

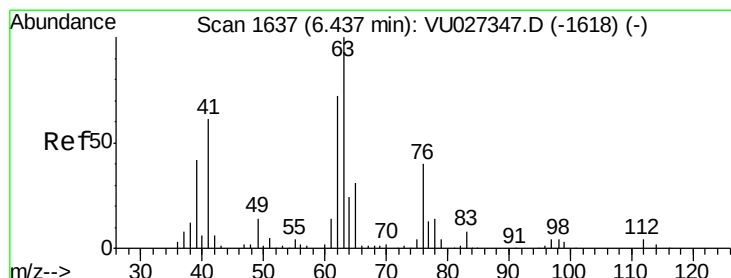
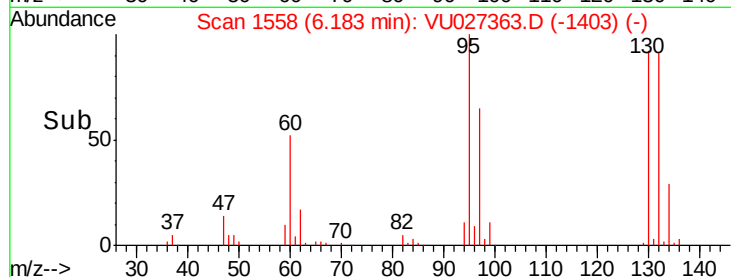
20000

10000

0

Time-->

6.10 6.20 6.30



#38

1,2-Dichloropropane

Concen: 10.097 ug/l

RT: 6.43 min Scan# 1636

Delta R.T. -0.00 min

Lab File: VU027363.D

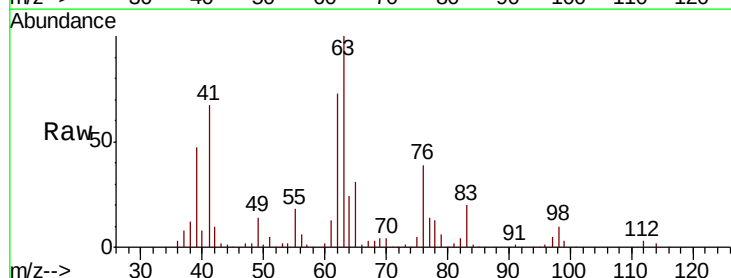
Acq: 03 Oct 2018 17:34

Tgt Ion: 63 Resp: 82578

Ion Ratio Lower Upper

63 100

65 30.8 24.9 37.3



Abundance Ion 63.00 (62.70 to 63.70): VU027347.D (-1618) (-)

Ion 65.00 (64.70 to 65.70): VU027347.D (-1618) (-)

643

50000

40000

30000

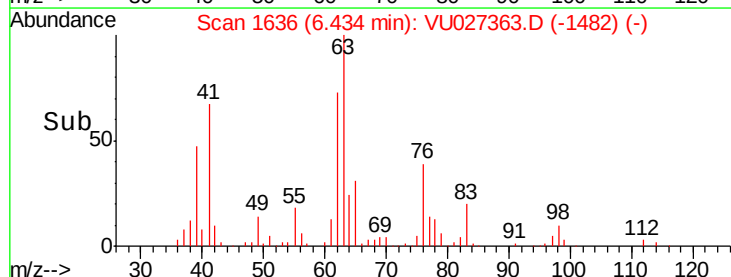
20000

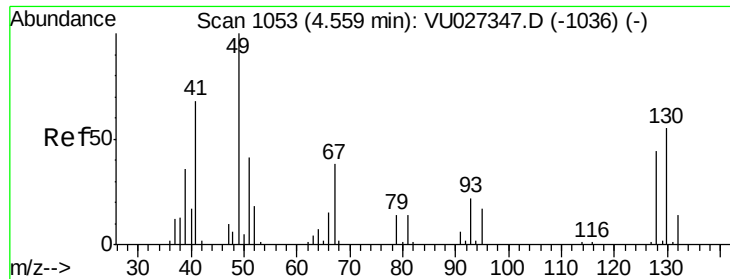
10000

0

Time-->

6.35 6.40 6.45 6.50 6.55





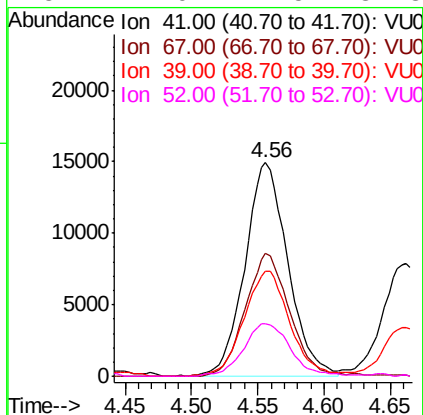
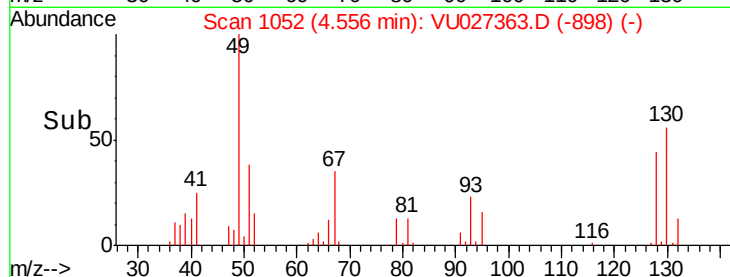
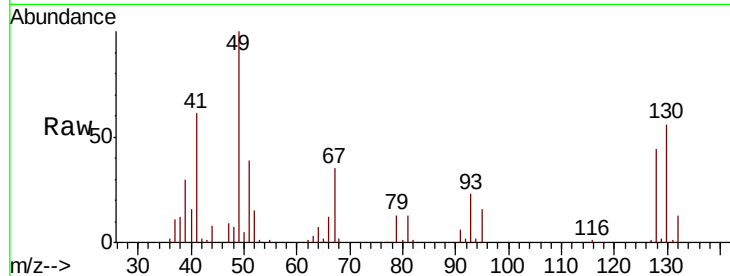
#39
Methacrylonitrile
Concen: 9.567 ug/l
RT: 4.56 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	41	Resp	33737
Ion	Ratio	Lower	Upper
41	100		
67	58.7	46.2	69.2
39	52.3	43.8	65.6
52	27.0	21.5	32.3

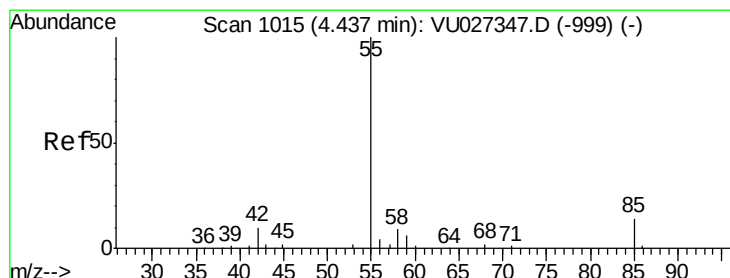
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



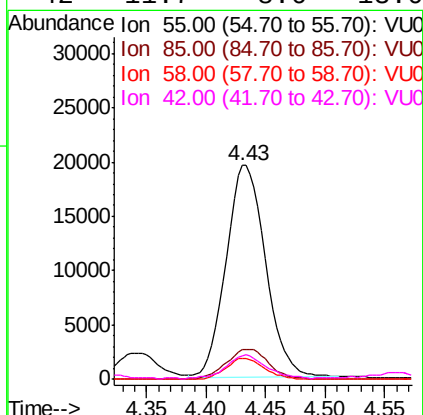
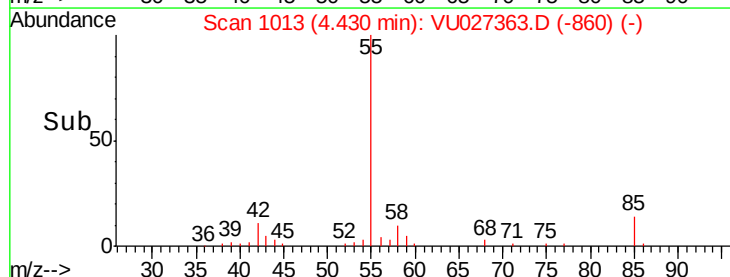
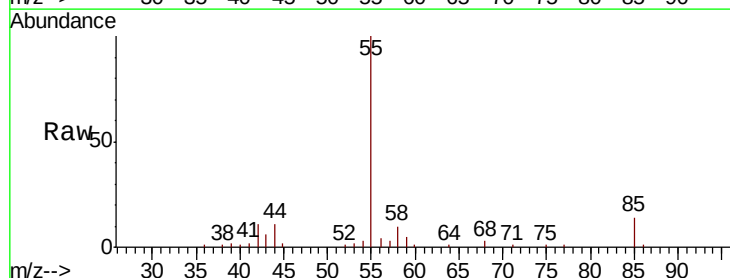
apatel

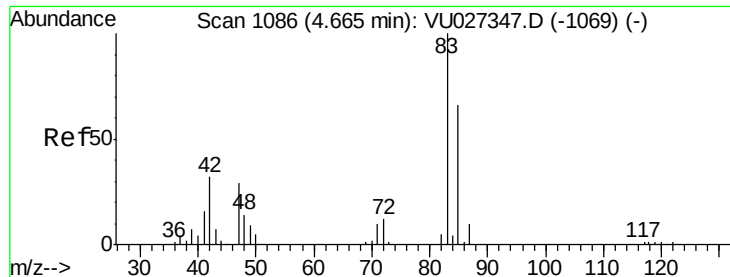
10/5/2018 12:14:45 PM



#40
Methyl acrylate
Concen: 9.998 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	55	Resp	44888
Ion	Ratio	Lower	Upper
55	100		
85	15.0	11.8	17.8
58	9.1	7.3	10.9
42	11.7	8.6	13.0





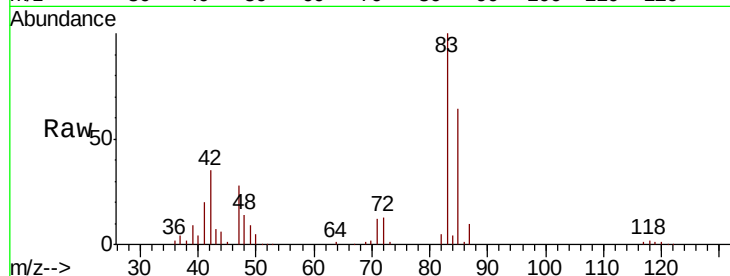
#41
Tetrahydrofuran
Concen: 17.876 ug/l
RT: 4.66 min Scan# 1085
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

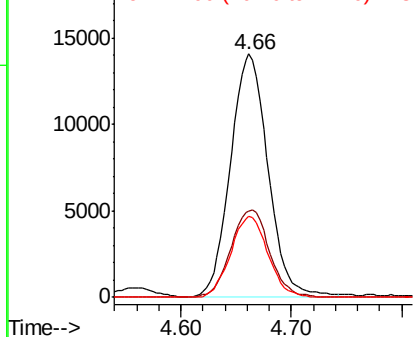
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	29.2	43.8
71	32.7	25.8	38.8

Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM

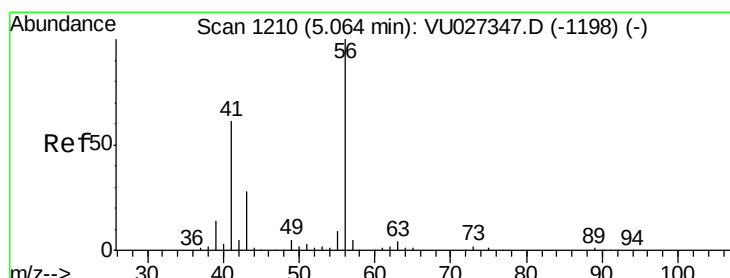
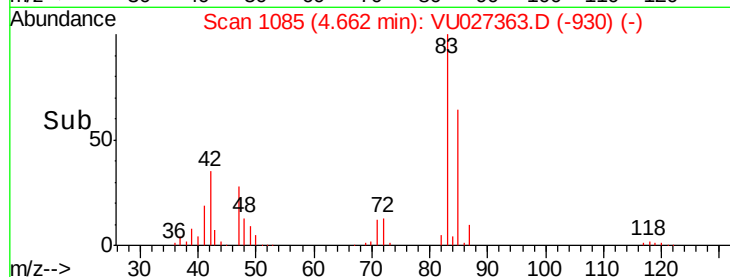


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0



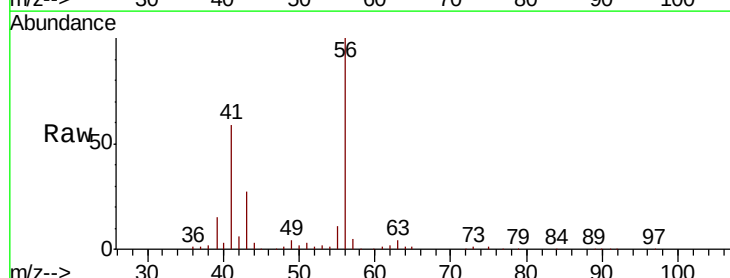
apatel

10/5/2018 12:14:45 PM

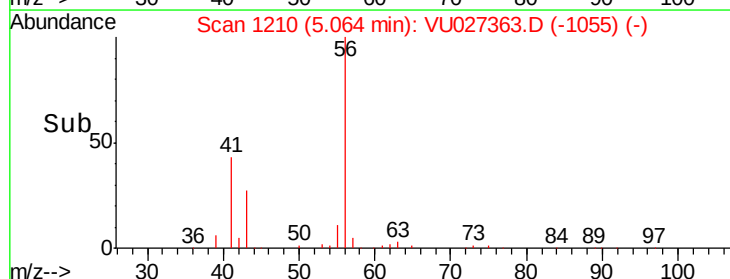
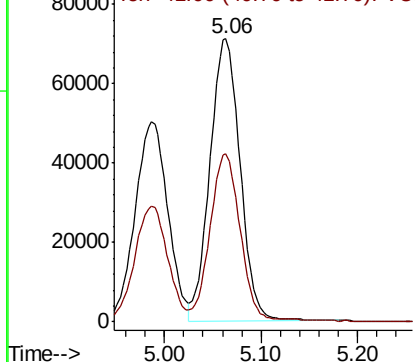


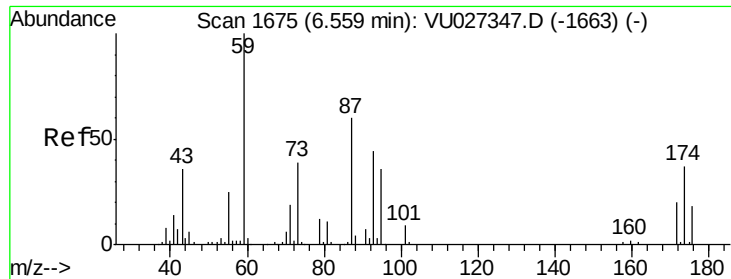
#42
1-Chlorobutane
Concen: 10.371 ug/l
RT: 5.06 min Scan# 1210
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
56	100		
41	57.3	28.7	86.3



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





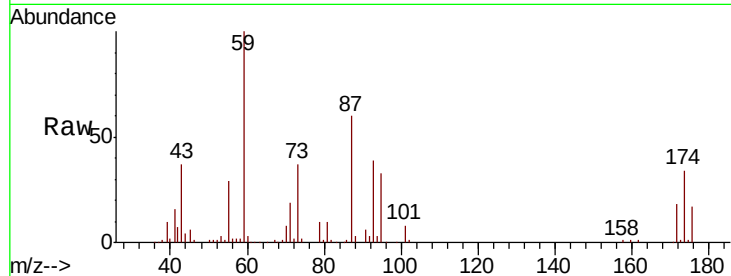
#43
Dibromomethane
Concen: 10.486 ug/l
RT: 6.56 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

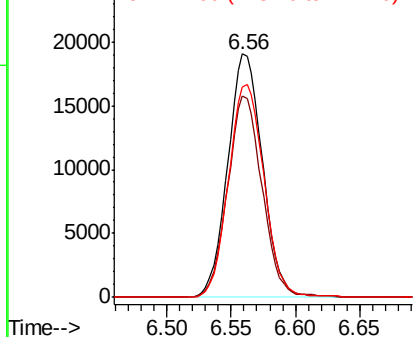
Tot Ion: 93 Resp: 35682
Ion Ratio Lower Upper
93 100
95 82.1 64.7 97.1
174 89.0 68.2 102.4

Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM

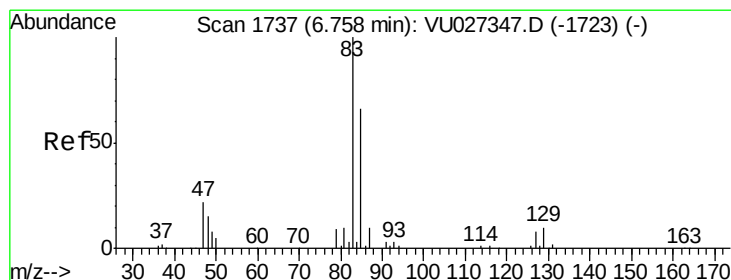
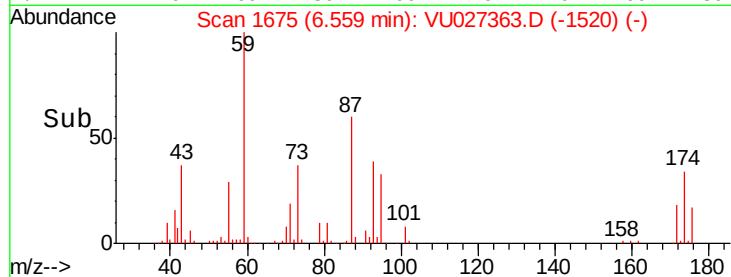


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V



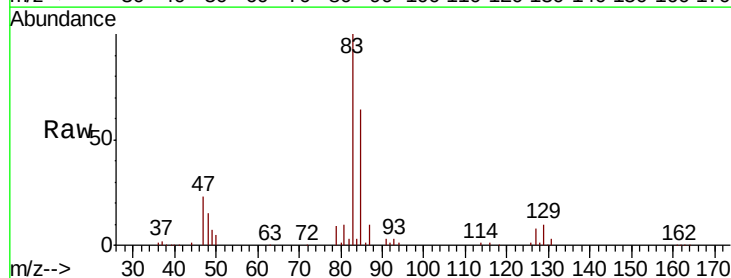
apatel

10/5/2018 12:14:45 PM

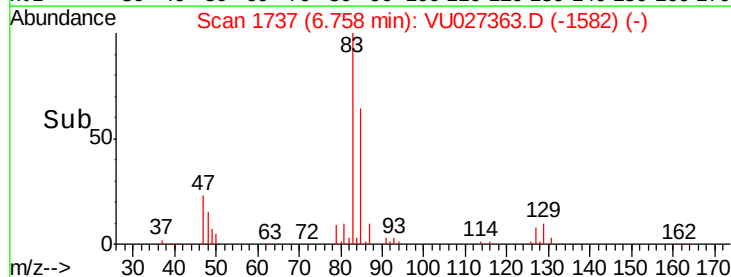
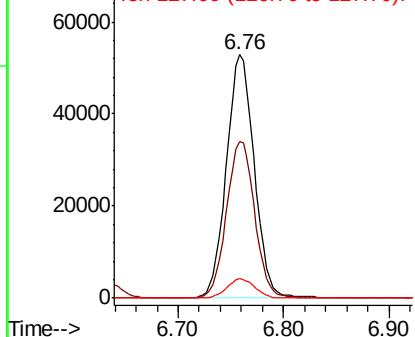


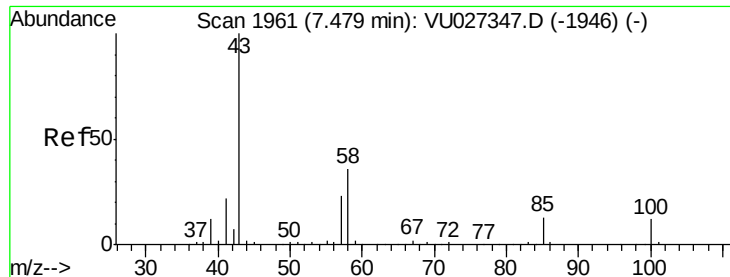
#44
Bromodichloromethane
Concen: 10.456 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion: 83 Resp: 96544
Ion Ratio Lower Upper
83 100
85 64.5 52.6 79.0
127 7.9 6.2 9.2



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





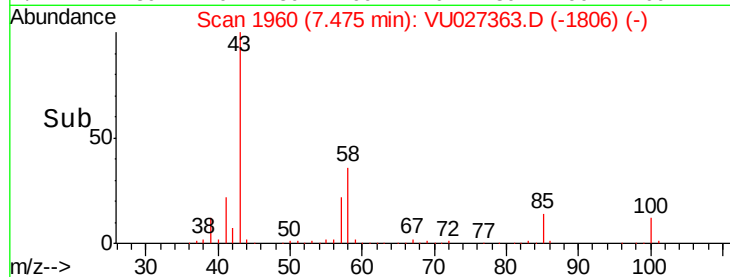
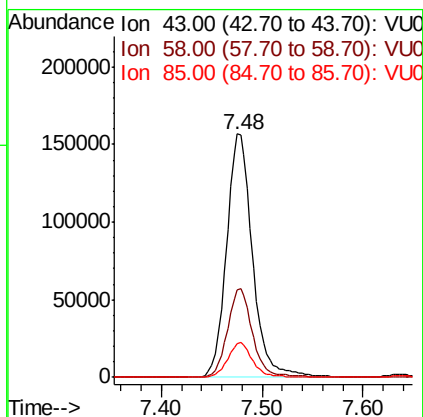
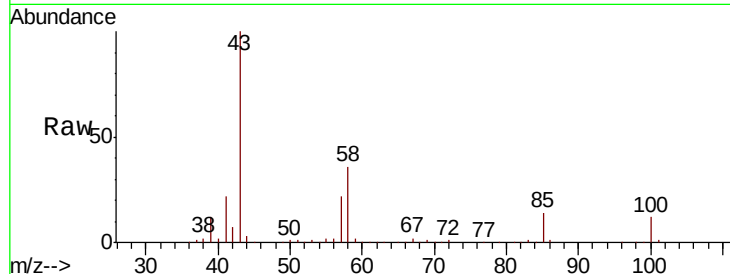
#45
4-Methyl-2-Pentanone
Concen: 53.830 ug/l
RT: 7.48 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.3	17.9	53.8
85	13.7	10.6	16.0

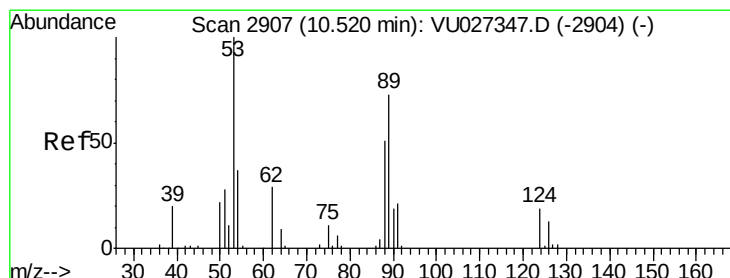
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



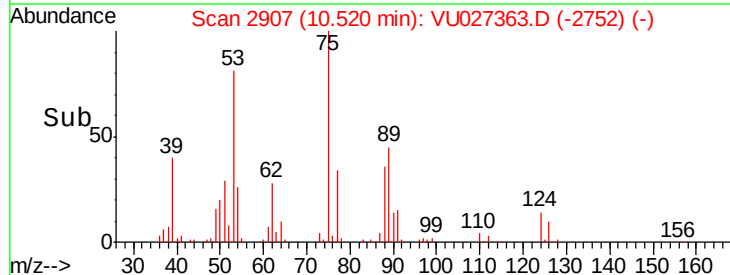
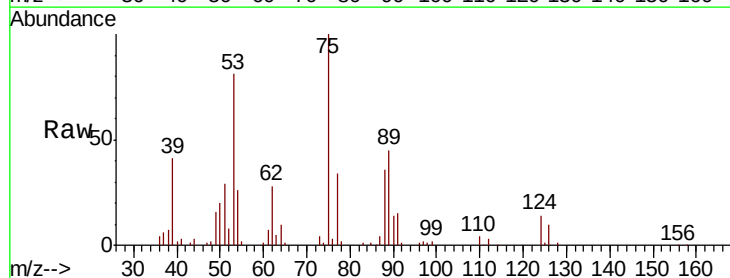
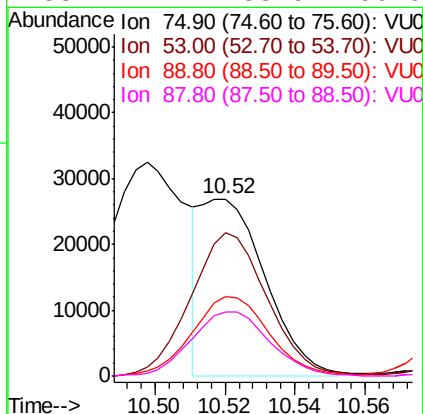
apatel

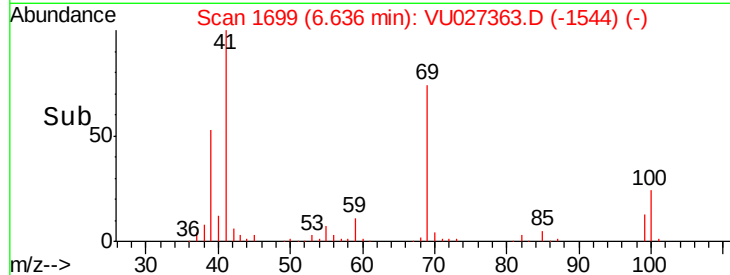
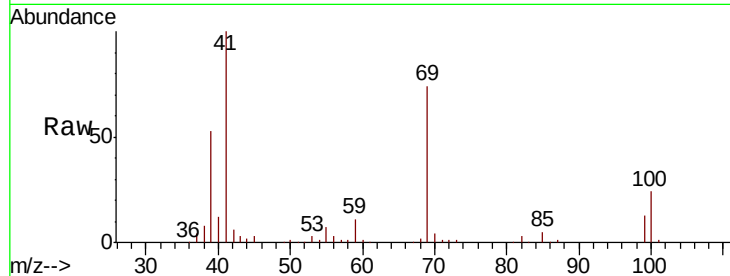
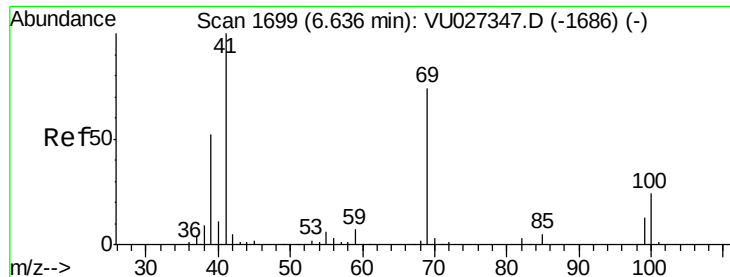
10/5/2018 12:14:45 PM



#46
t-1,4-Dichloro-2-butene
Concen: 22.614 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

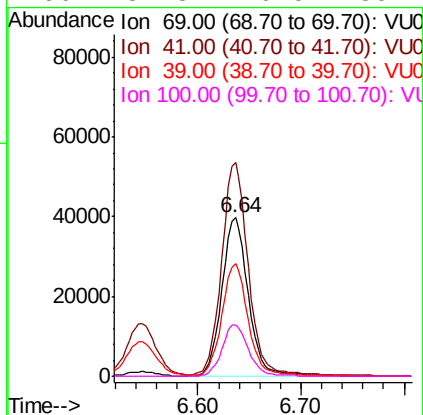
Tgt Ion	Ratio	Lower	Upper
75	100		
53	96.4	75.7	113.5
89	54.2	42.6	64.0
88	44.4	33.9	50.9





#47
Methyl methacrylate
Concen: 20.765 ug/l
RT: 6.64 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	134.5	0.0	272.2	
39	69.5	56.4	84.6	
100	32.8	26.5	39.7	



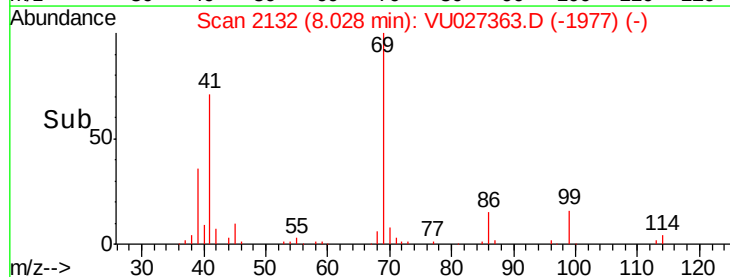
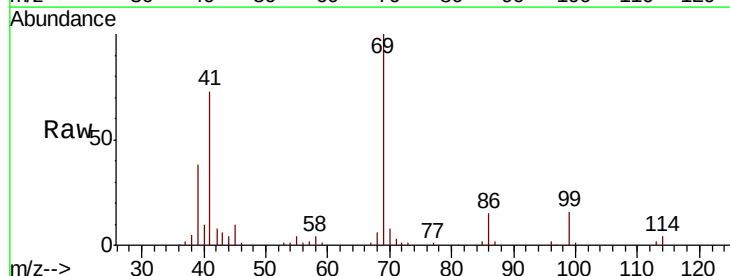
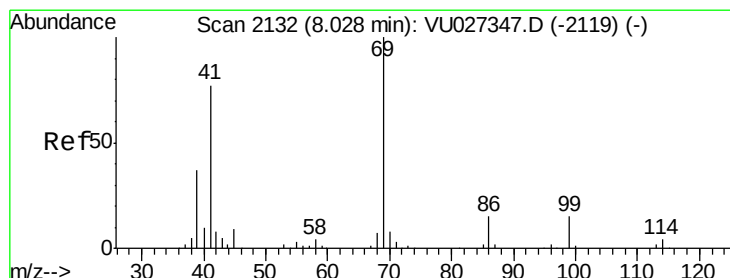
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM

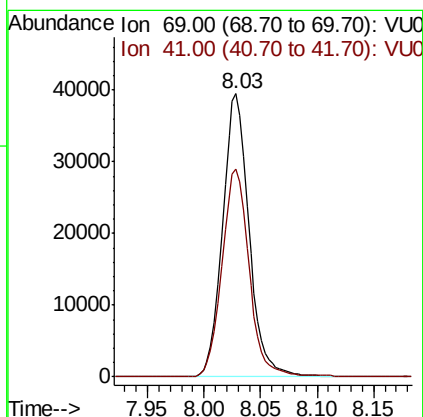
apatel

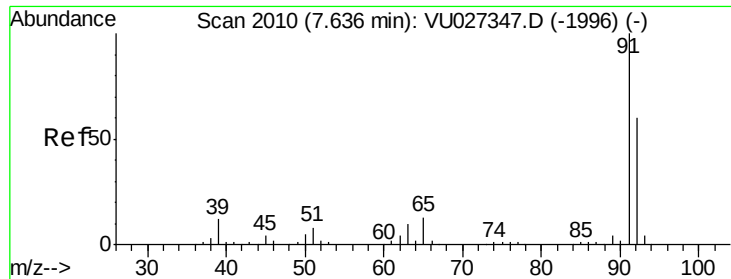
10/5/2018 12:14:45 PM



#48
Ethyl methacrylate
Concen: 10.782 ug/l
RT: 8.03 min Scan# 2132
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	76.0	38.9	116.7	





#49

Toluene

Concen: 10.534 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 155820

Ion Ratio Lower Upper

92 100

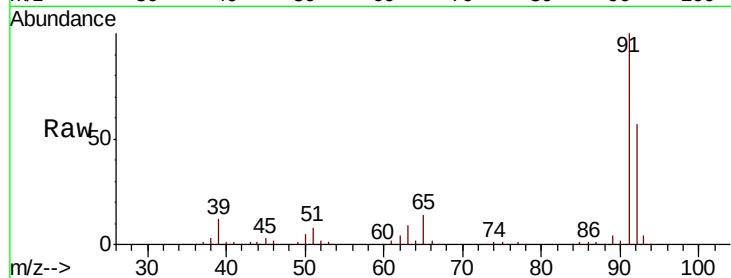
91 173.9 136.4 204.6

Manual Integrations

APPROVED

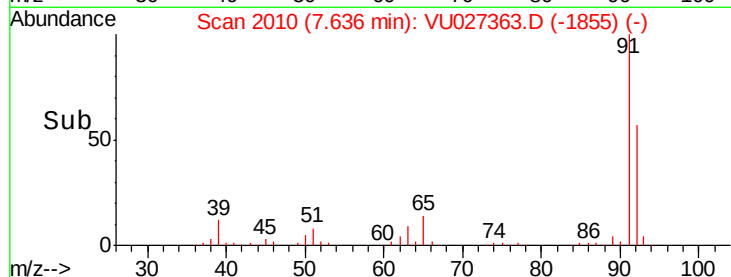
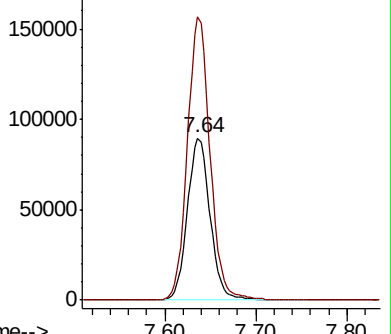
apatel

10/5/2018 12:14:45 PM



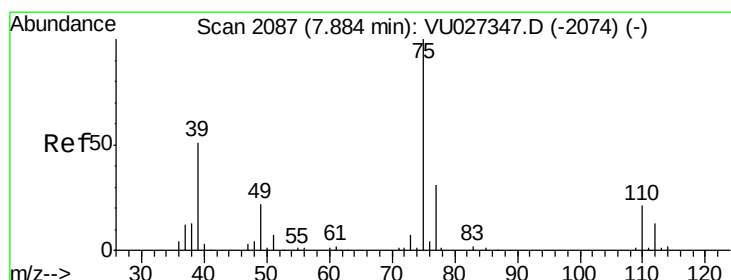
Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



apatel

10/5/2018 12:14:45 PM



#50

t-1,3-Dichloropropene

Concen: 10.598 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VU027363.D

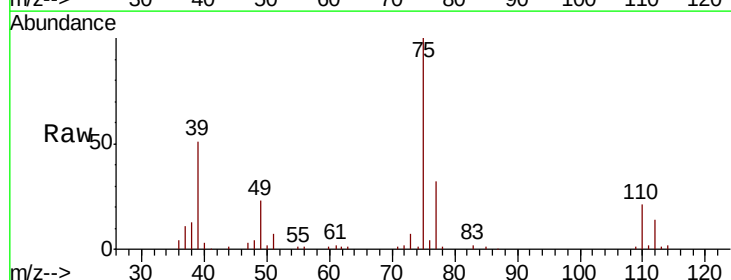
Acq: 03 Oct 2018 17:34

Tgt Ion: 75 Resp: 86909

Ion Ratio Lower Upper

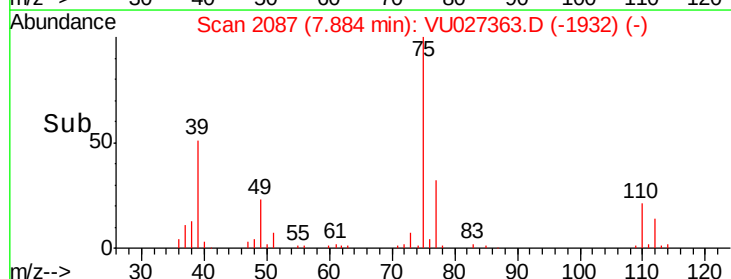
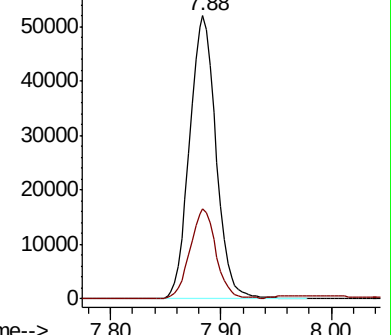
75 100

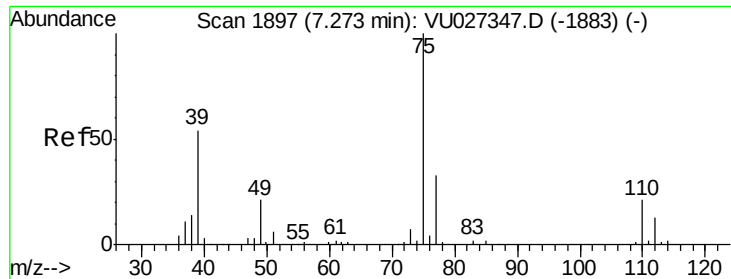
77 31.8 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





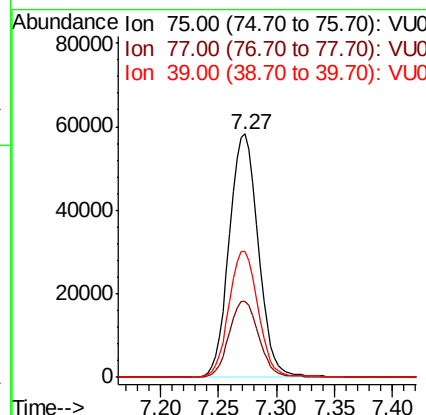
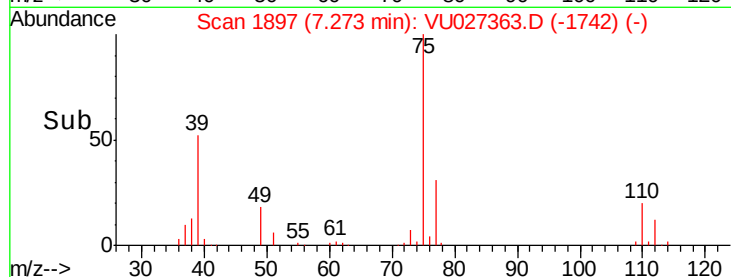
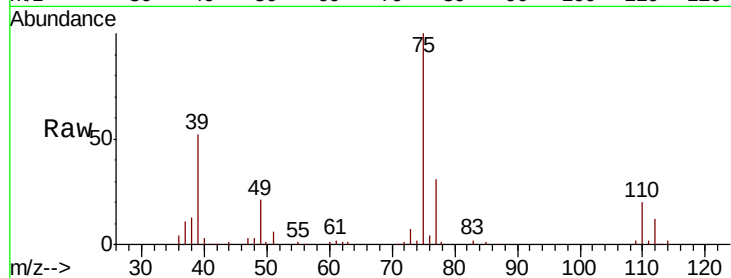
#51
 cis-1,3-Dichloropropene
 Concen: 10.287 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.1	39.1
39	51.6	43.1	64.7

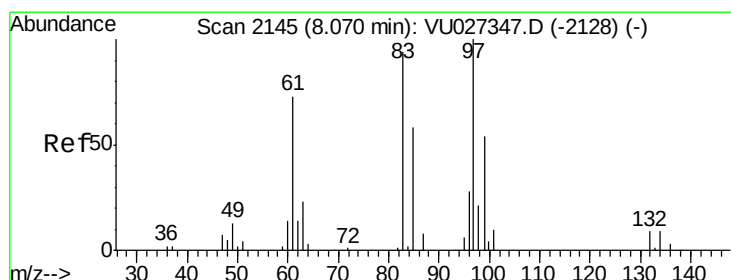
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



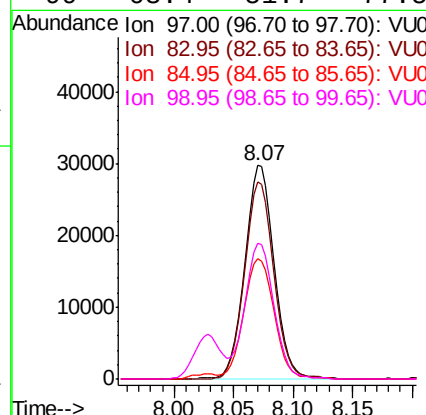
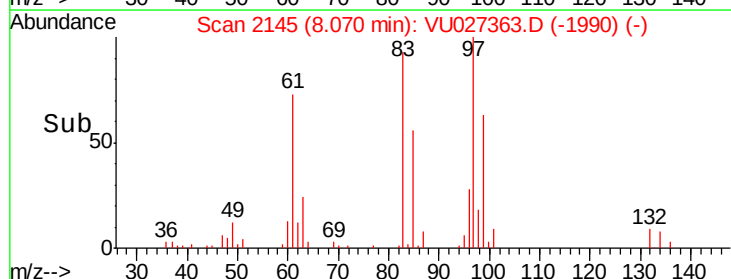
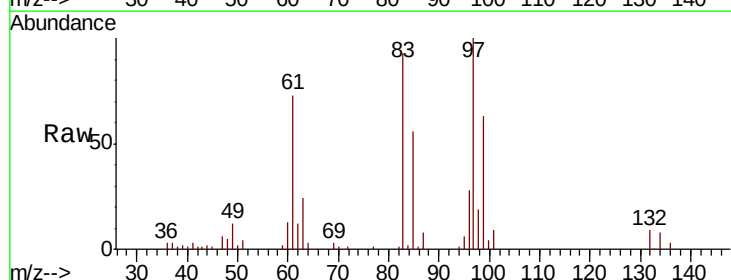
apatel

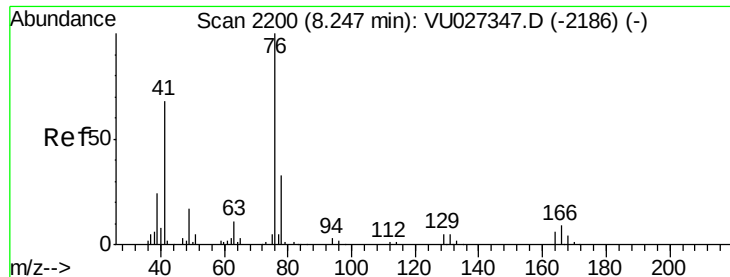
10/5/2018 12:14:45 PM



#52
 1,1,2-Trichloroethane
 Concen: 10.608 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.5	75.3	112.9
85	56.3	47.3	70.9
99	63.4	51.7	77.5





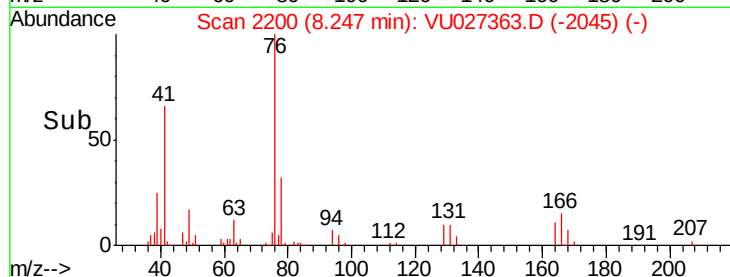
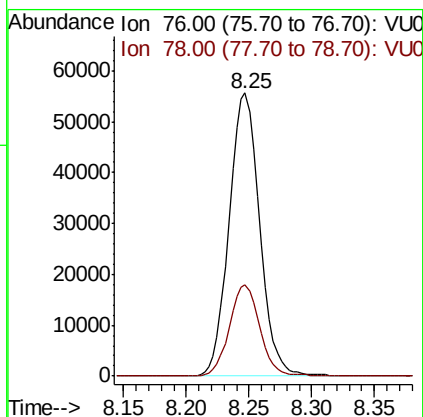
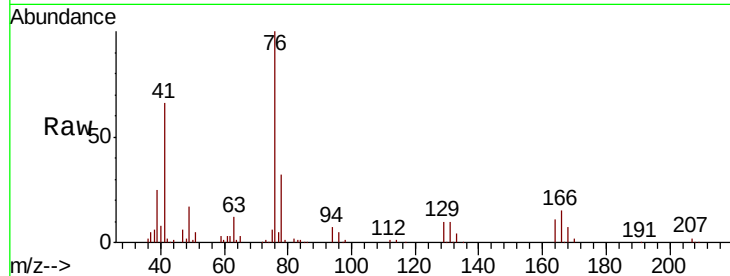
#53
 1,3-Dichloropropane
 Concen: 10.371 ug/l
 RT: 8.25 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Tot Ion: 76 Resp: 94226
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

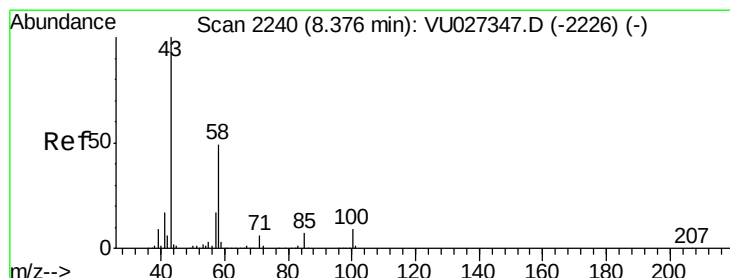
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



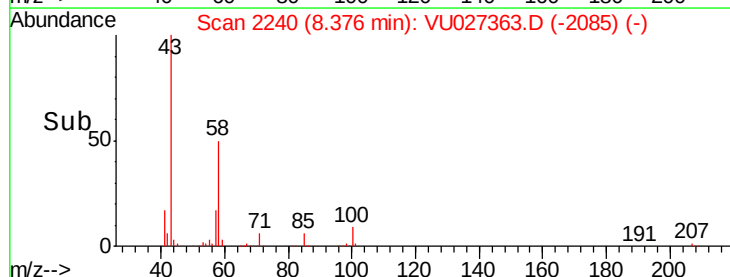
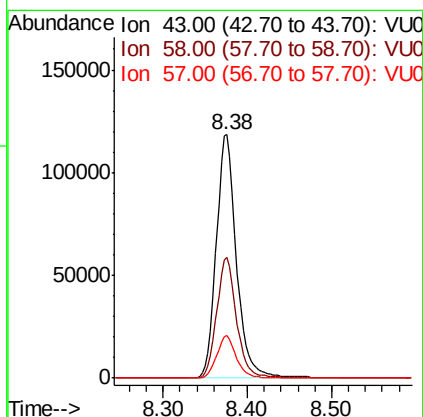
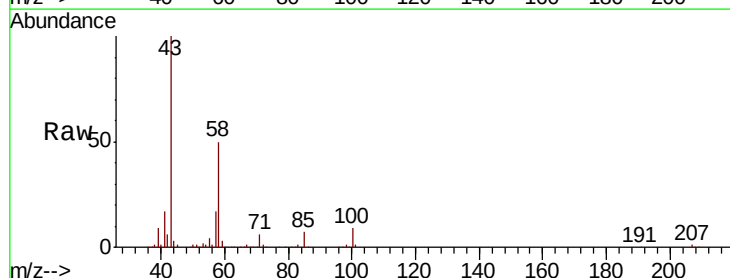
apatel

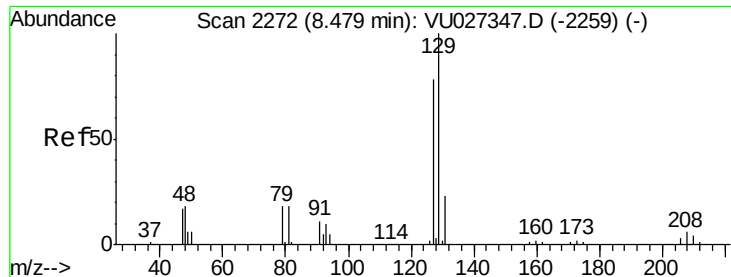
10/5/2018 12:14:45 PM



#54
 2-Hexanone
 Concen: 54.659 ug/l
 RT: 8.38 min Scan# 2240
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion: 43 Resp: 197880
 Ion Ratio Lower Upper
 43 100
 58 48.5 29.5 69.5
 57 16.8 0.0 37.0





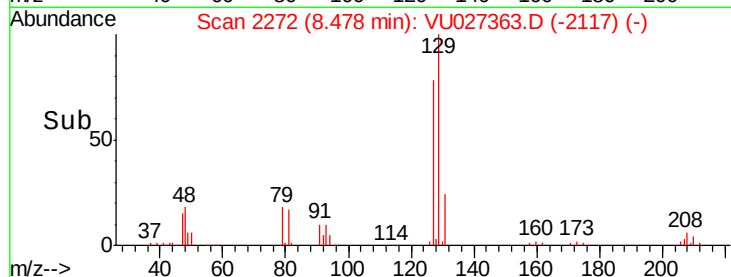
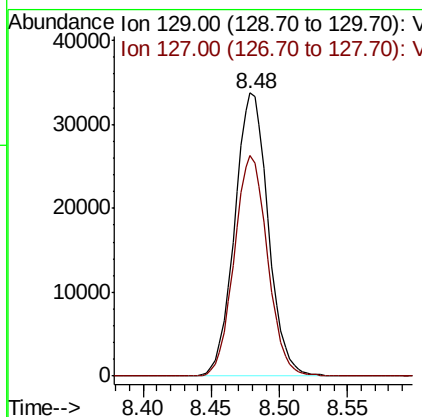
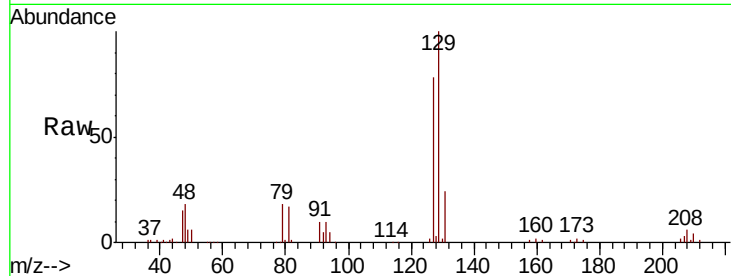
#55
 Dibromochloromethane
 Concen: 10.888 ug/l
 RT: 8.48 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		57576		
127	77.4	61.8	92.8		

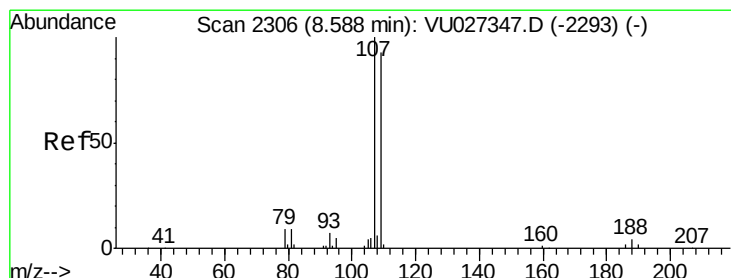
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



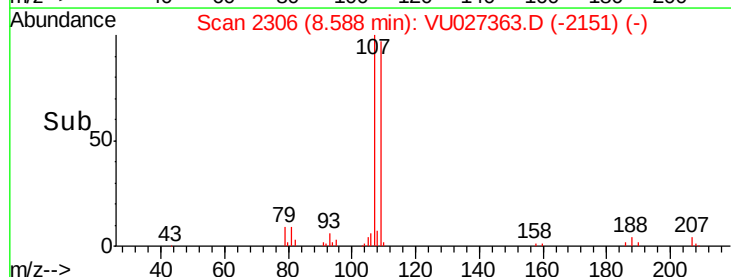
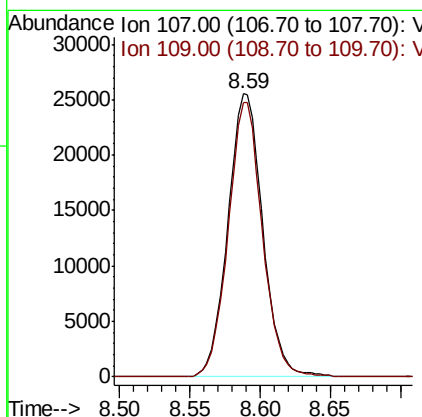
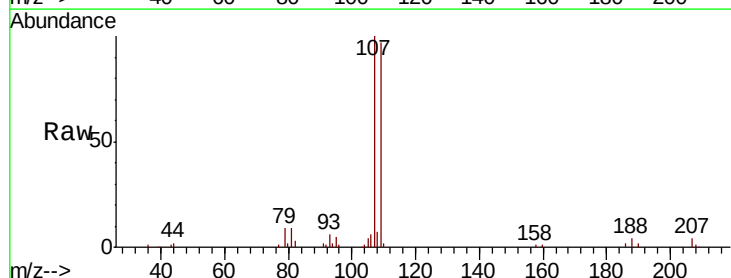
apatel

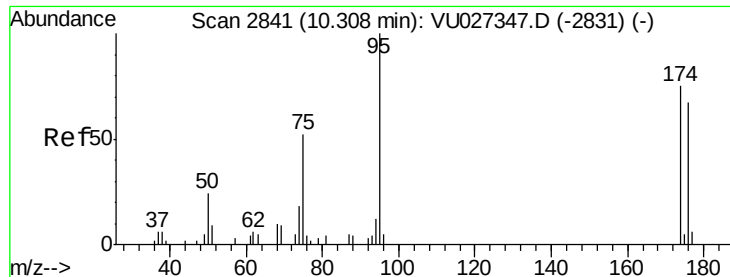
10/5/2018 12:14:45 PM



#56
 1,2-Dibromoethane
 Concen: 10.409 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		44069		
109	95.0	0.0	191.2		





#57

4-Bromofluorobenzene

Concen: 10.409 ug/l

RT: 10.31 min Scan# 2842

Delta R.T. 0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

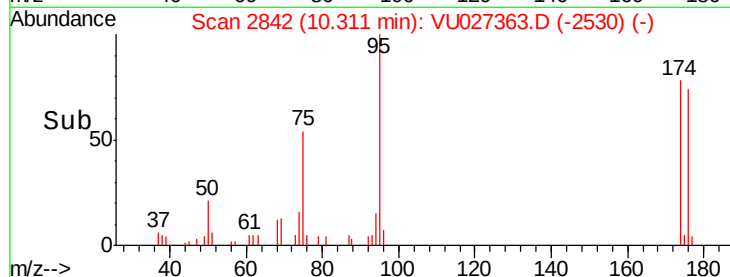
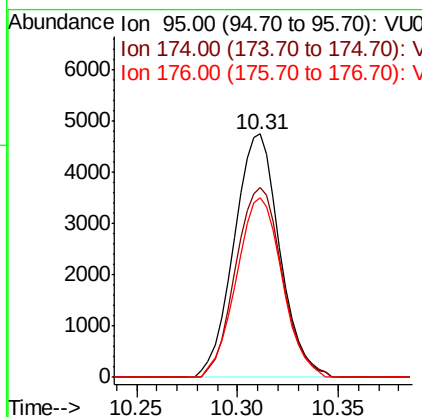
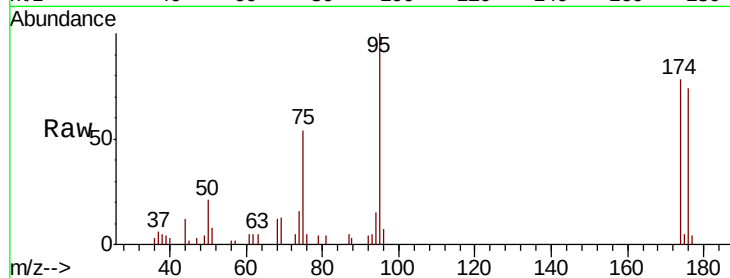
ClientSampleId :

VSTDCCC010EC

Tot Ion:	95	Resp:	7528
Ion	Ratio	Lower	Upper
95	100		
174	79.5	61.0	91.6
176	73.7	57.2	85.8

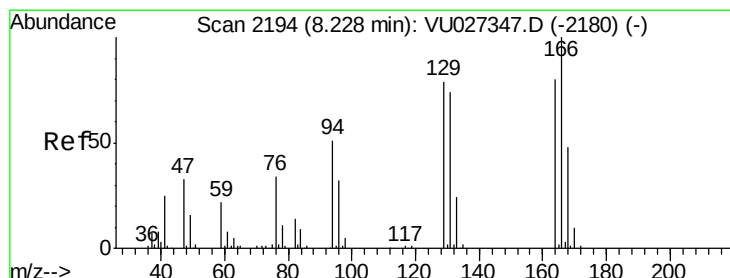
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



apatel

10/5/2018 12:14:45 PM



#58

Tetrachloroethene

Concen: 9.991 ug/l

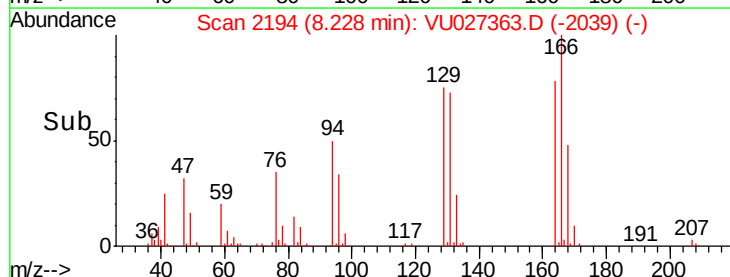
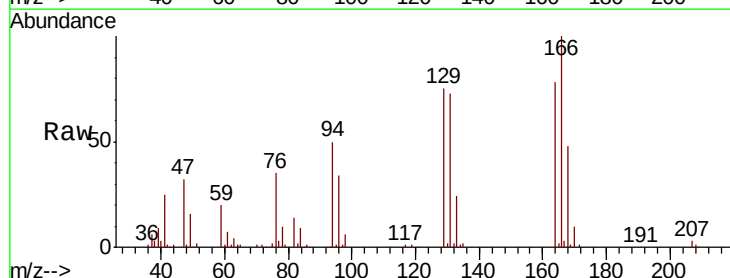
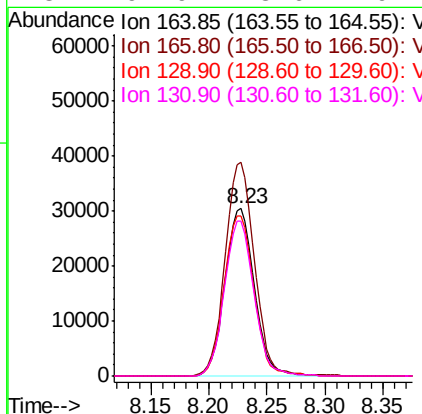
RT: 8.23 min Scan# 2194

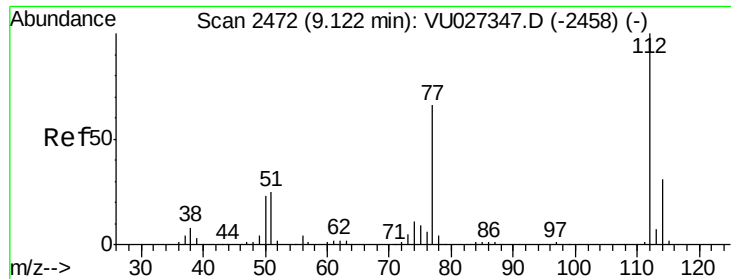
Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Tgt Ion:	164	Resp:	53192
Ion	Ratio	Lower	Upper
164	100		
166	127.7	99.9	149.9
129	95.6	78.6	117.8
131	92.9	73.6	110.4





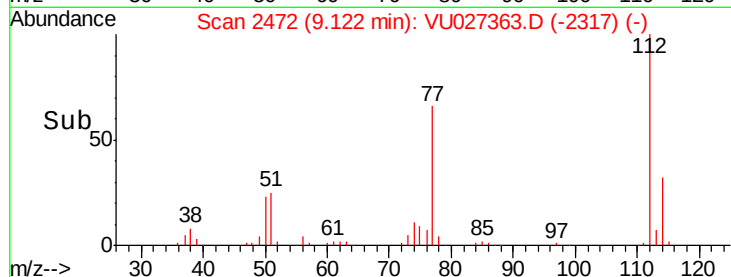
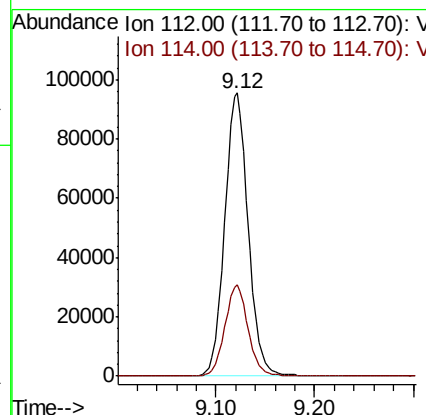
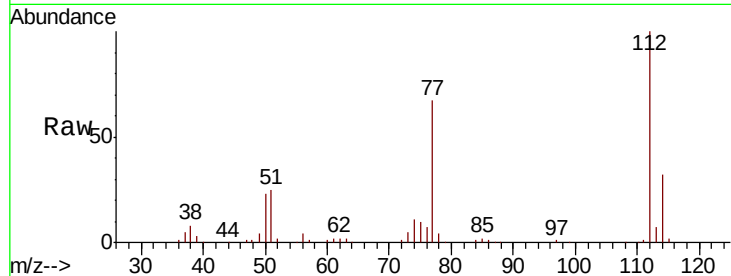
#59
Chlorobenzene
Concen: 10.319 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 159183
Ion Ratio Lower Upper
112 100
114 32.2 25.0 37.4

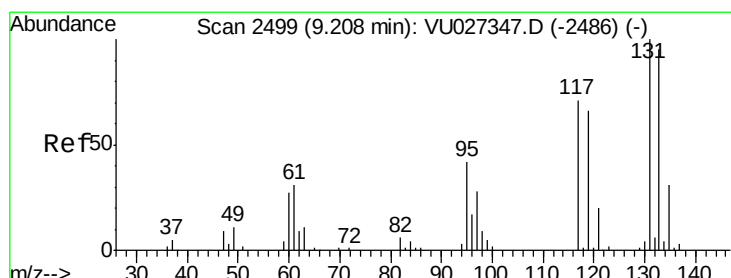
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



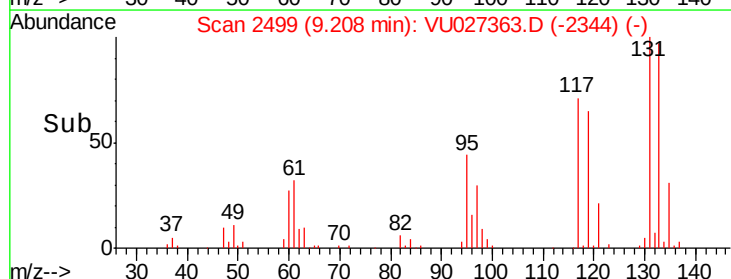
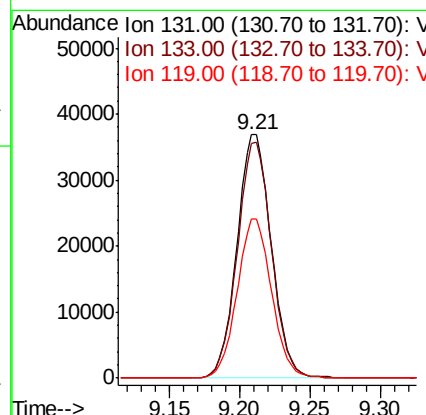
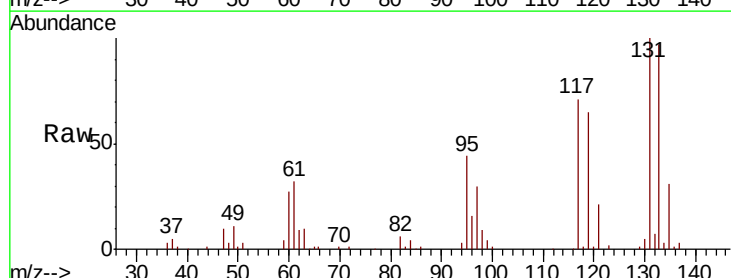
apatel

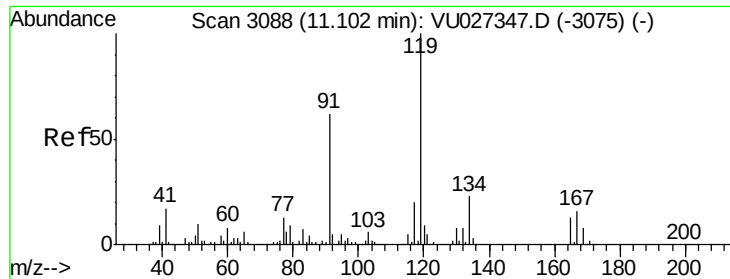
10/5/2018 12:14:45 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.617 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion:131 Resp: 62963
Ion Ratio Lower Upper
131 100
133 96.5 77.1 115.7
119 65.6 53.6 80.4





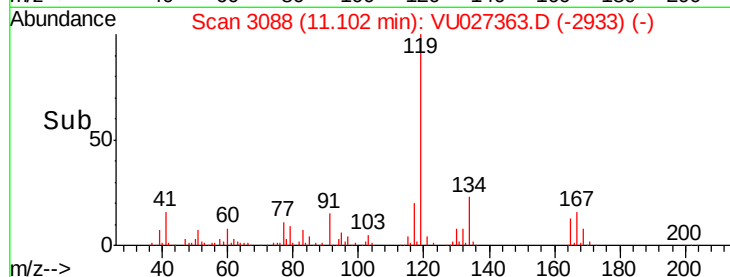
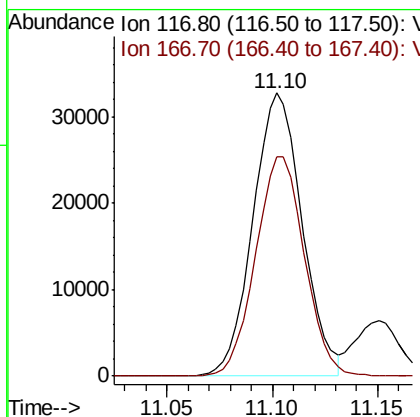
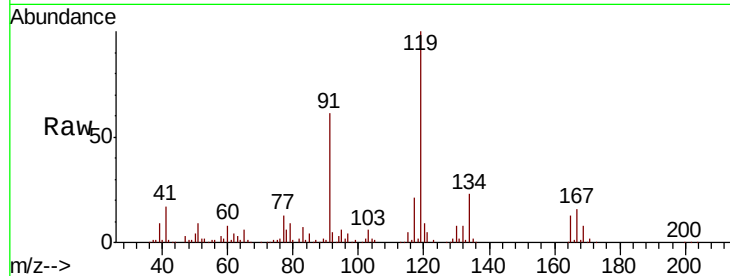
#61
 Pentachloroethane
 Concen: 10.853 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:117 Resp: 53203
 Ion Ratio Lower Upper
 117 100
 167 77.0 62.6 93.8

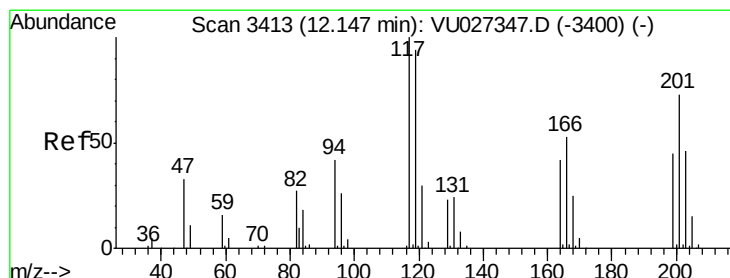
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



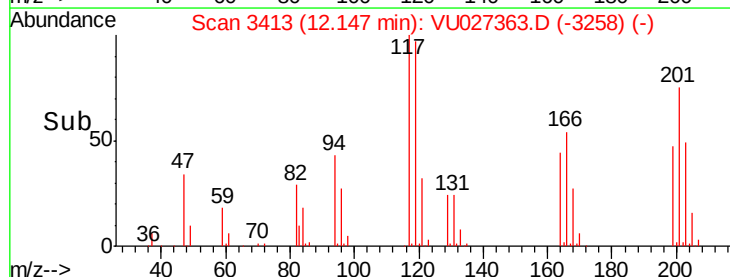
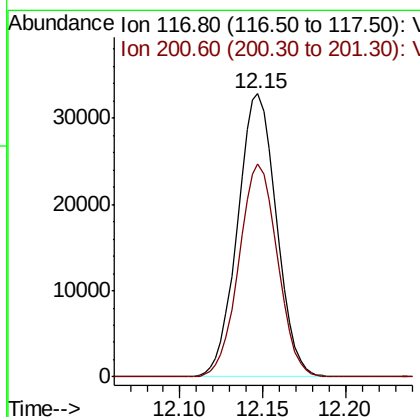
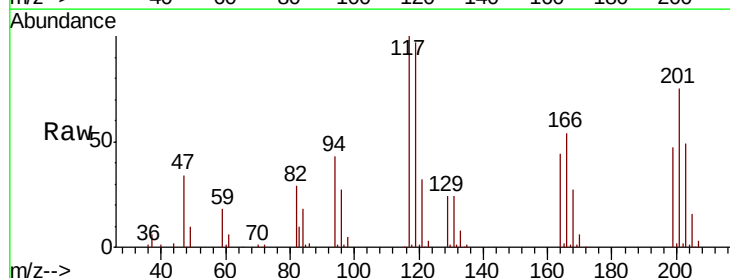
apatel

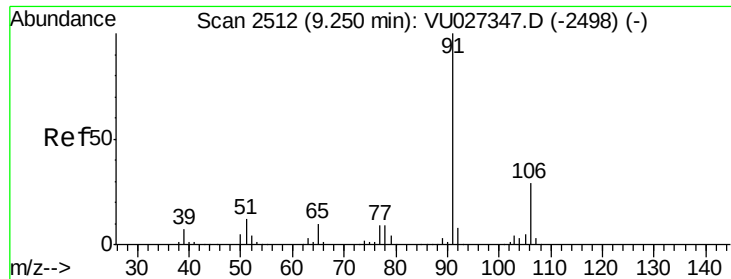
10/5/2018 12:14:45 PM



#62
 Hexachloroethane
 Concen: 11.482 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion:117 Resp: 53674
 Ion Ratio Lower Upper
 117 100
 201 74.5 59.3 88.9





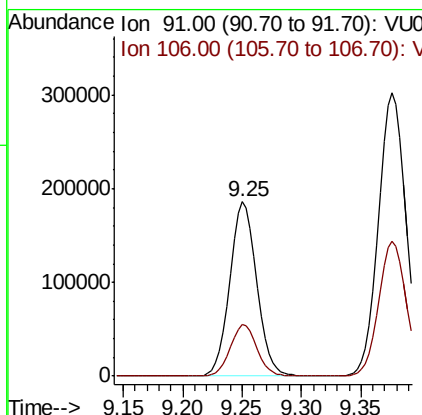
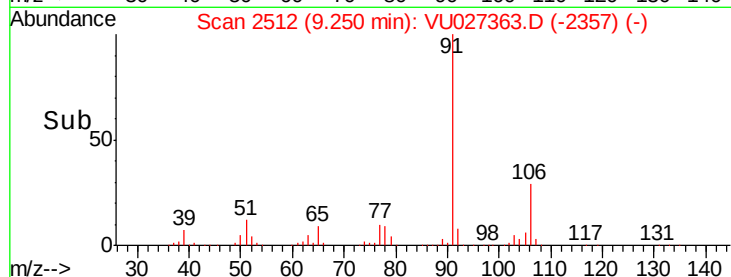
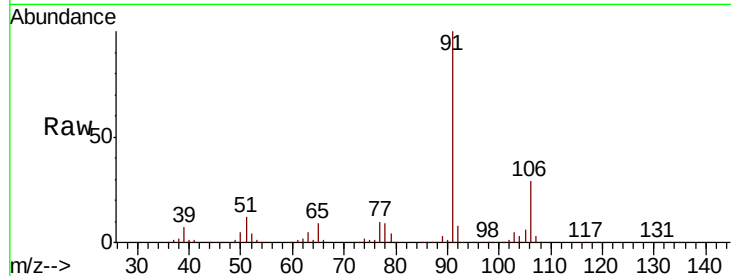
#63
Ethyl Benzene
Concen: 11.045 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 292479
Ion Ratio Lower Upper
91 100
106 29.3 23.6 35.4

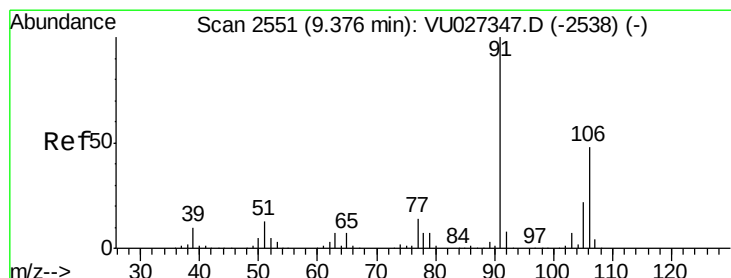
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



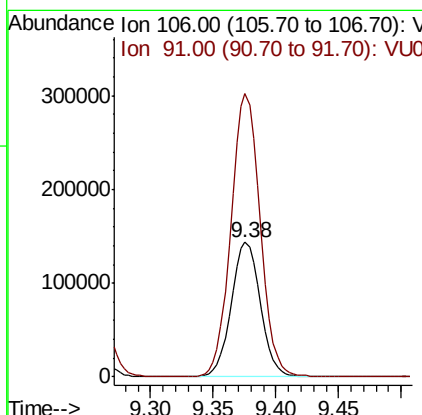
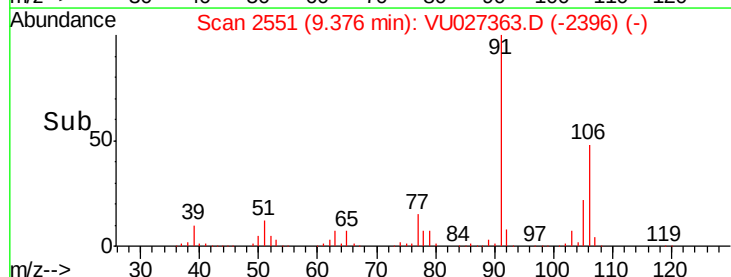
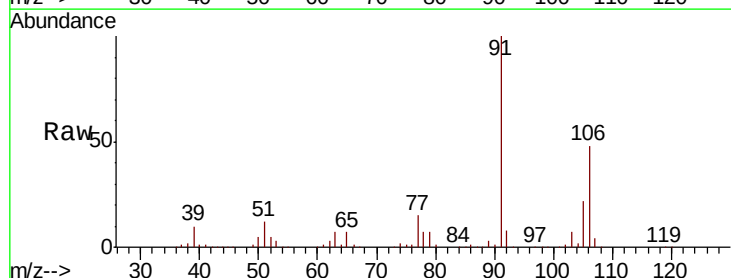
apatel

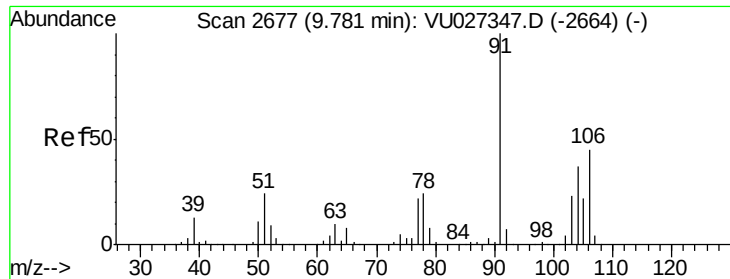
10/5/2018 12:14:45 PM



#64
m/p-Xylenes
Concen: 23.359 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion: 106 Resp: 231908
Ion Ratio Lower Upper
106 100
91 210.1 169.8 254.8





#65

o-Xylene

Concen: 11.145 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Tot Ion:106 Resp: 105031

Ion Ratio Lower Upper

106 100

91 225.7 111.1 333.2

Instrument :

MSVOA_U

ClientSampleId :

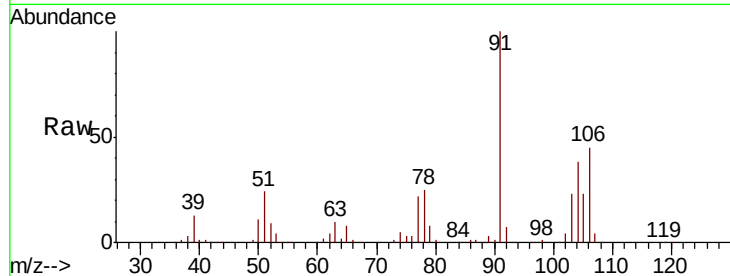
VSTDCCC010EC

Manual Integrations

APPROVED

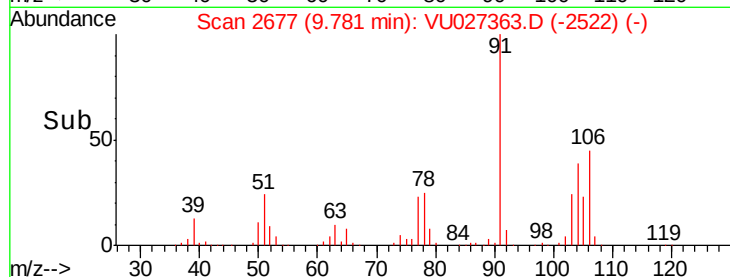
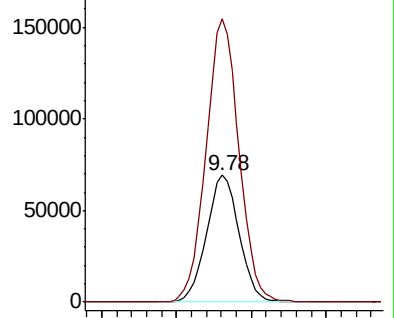
apatel

10/5/2018 12:14:45 PM



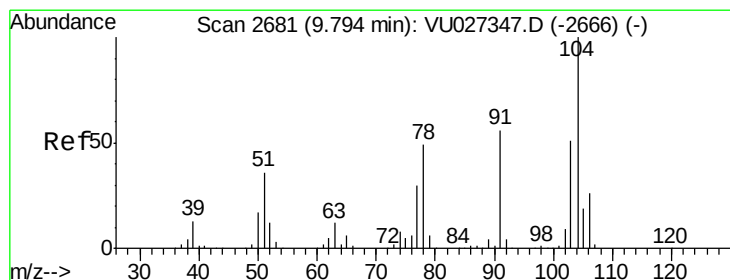
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



apatel

10/5/2018 12:14:45 PM



#66

Styrene

Concen: 11.762 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

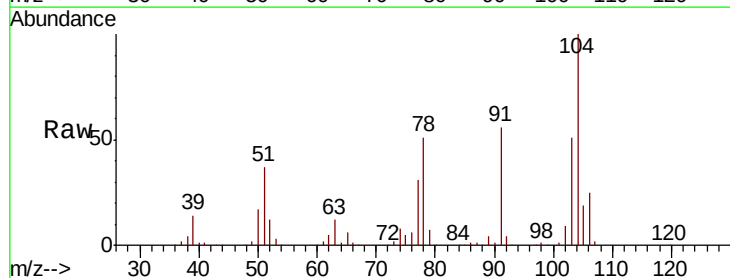
Tgt Ion:104 Resp: 194552

Ion Ratio Lower Upper

104 100

78 54.6 43.1 64.7

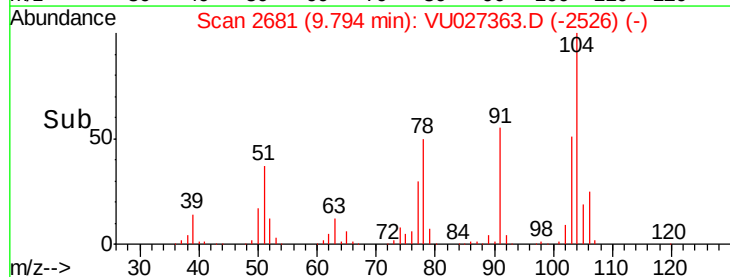
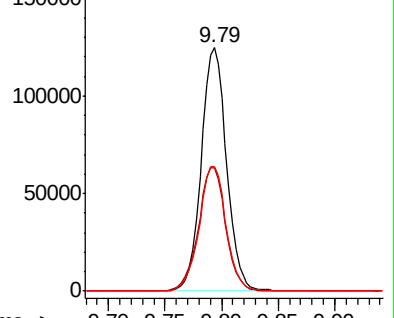
103 54.6 43.8 65.8

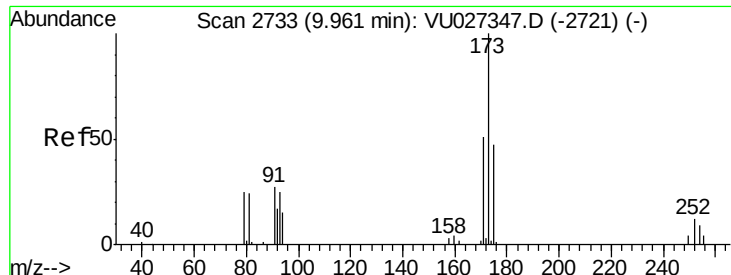


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V





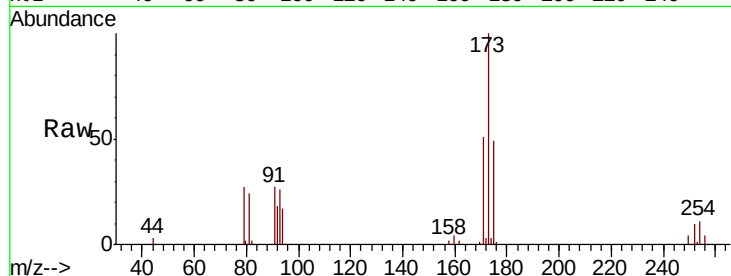
#67
Bromoform
Concen: 10.965 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.2	57.4
254	10.6	7.7	11.5

Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM

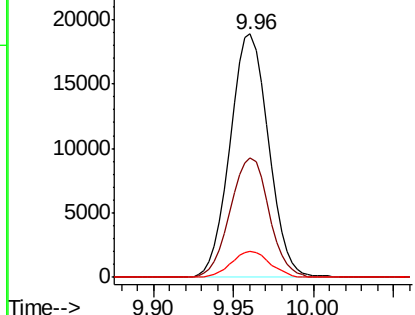
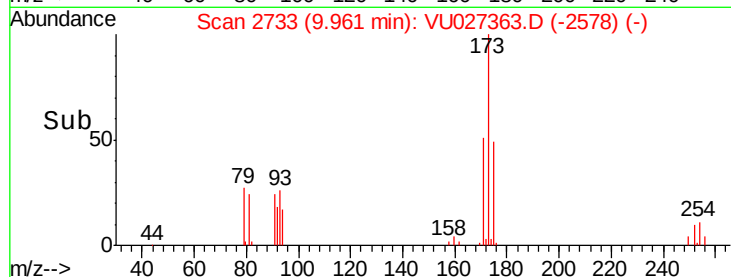


Abundance

Ion 172.90 (172.60 to 173.60): V

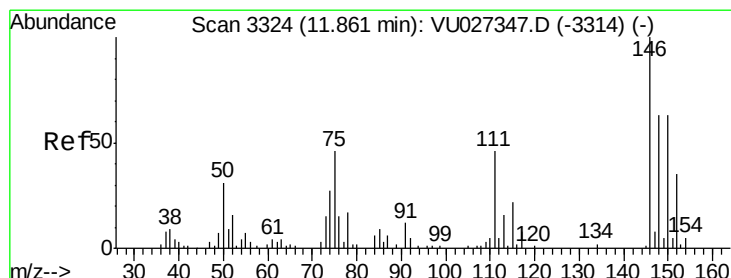
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



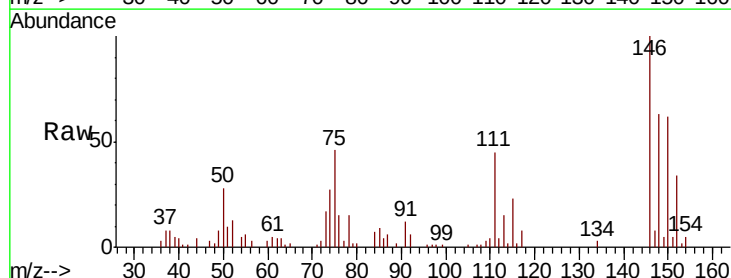
apatel

10/5/2018 12:14:45 PM



#68
1,2-Dichlorobenzene-d4
Concen: 10.965 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	0.0	131.6
150	0.0	0.0	0.0

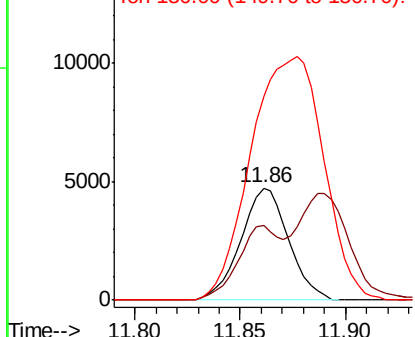
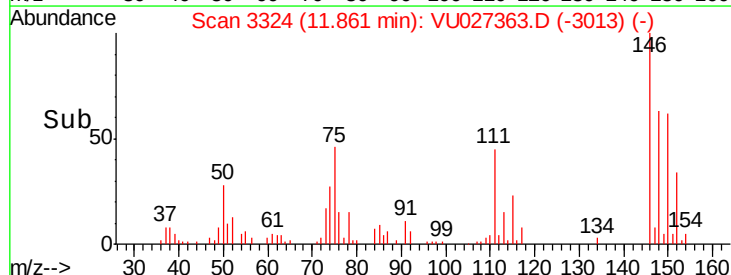


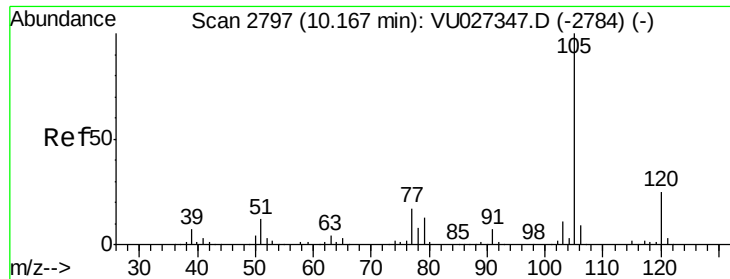
Abundance

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: 11.307 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 281004

Ion Ratio Lower Upper

105 100

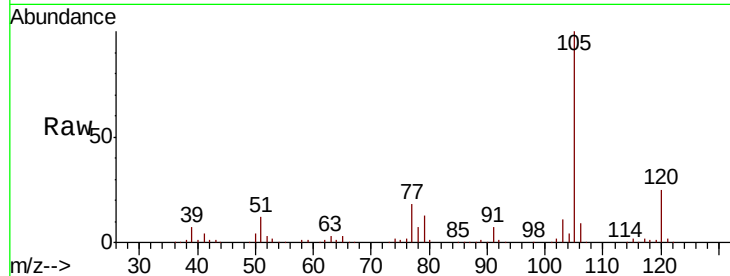
120 25.1 12.7 38.1

Manual Integrations

APPROVED

apatel

10/5/2018 12:14:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

200000

150000

100000

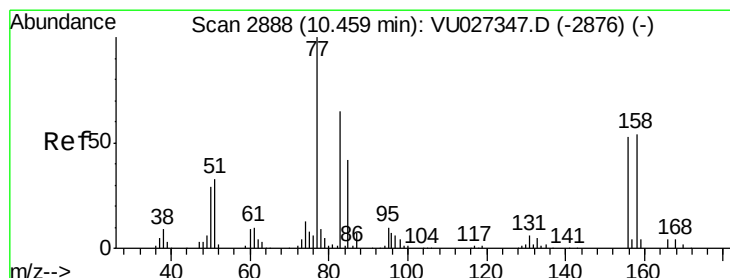
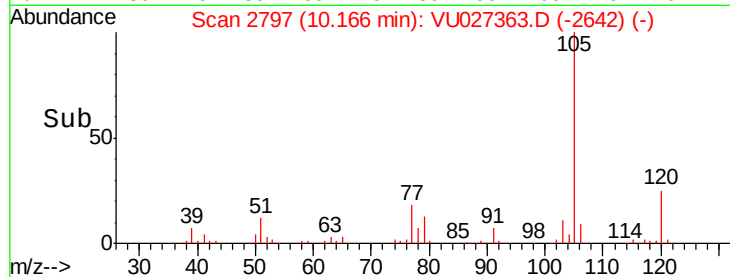
50000

0

Time--> 10.10 10.15 10.20 10.25

apatel

10/5/2018 12:14:45 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 10.491 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

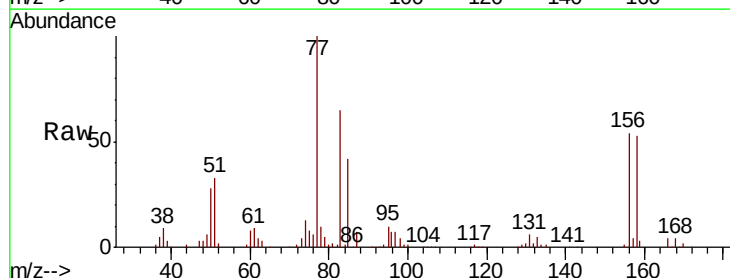
Tgt Ion: 83 Resp: 67873

Ion Ratio Lower Upper

83 100

131 8.9 7.0 10.6

85 64.3 51.4 77.0



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0

10.46

50000

40000

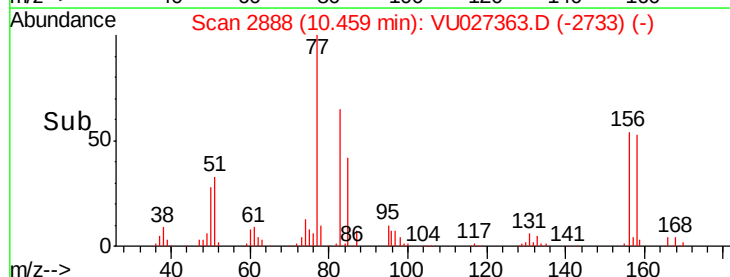
30000

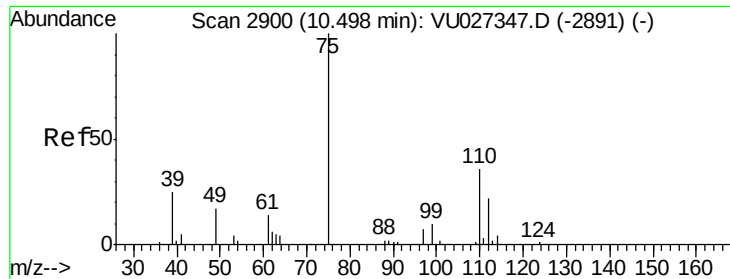
20000

10000

0

Time--> 10.40 10.50





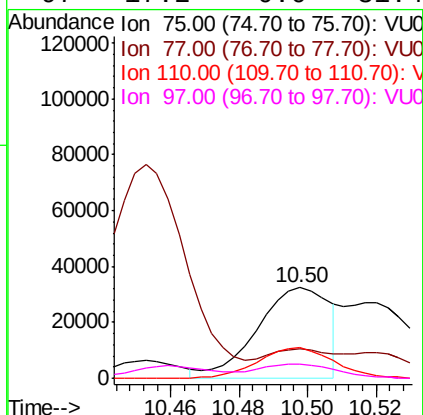
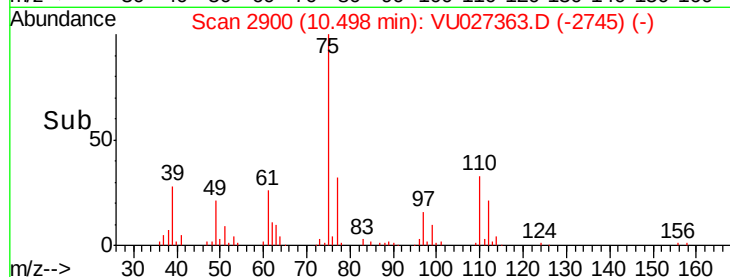
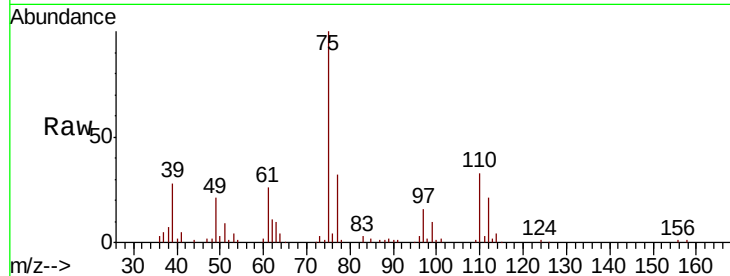
#71
1,2,3-Trichloropropane
Concen: 9.592 ug/l m
RT: 10.50 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	75	Resp	47880
Ion Ratio	Lower	Upper	
75	100		
77	8.5	0.0	16.6
110	35.5	0.0	65.4
97	17.2	0.0	31.4

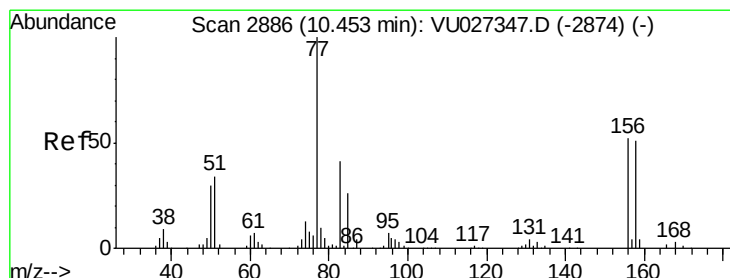
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



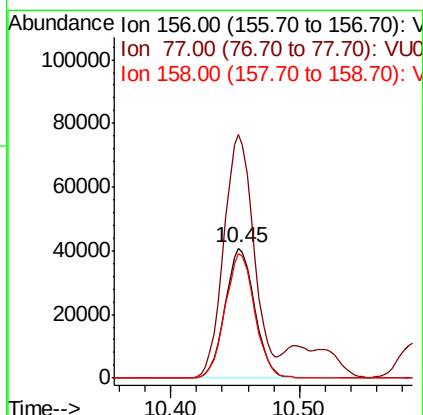
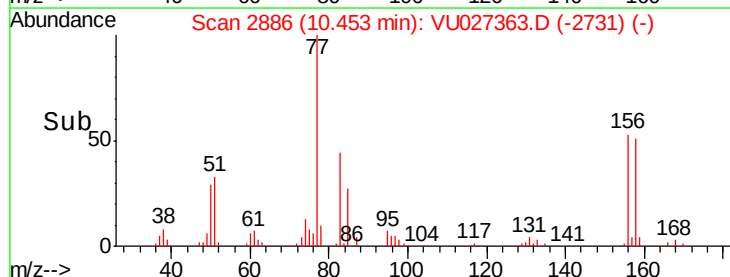
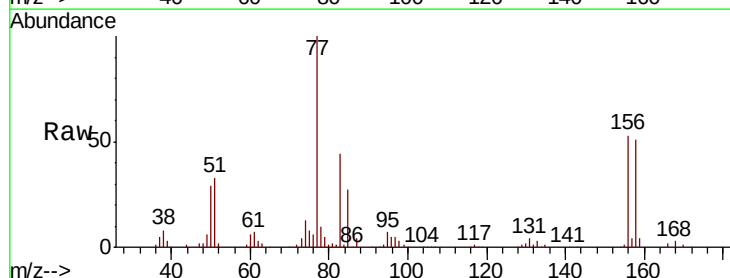
apatel

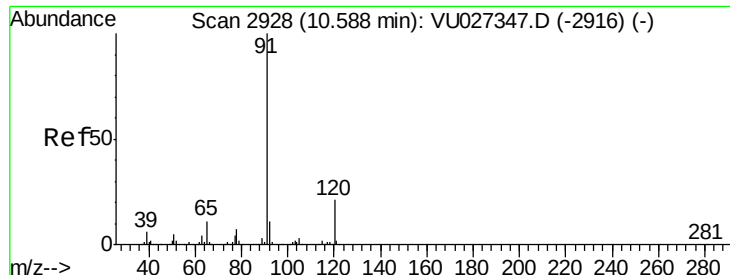
10/5/2018 12:14:45 PM



#72
Bromobenzene
Concen: 10.844 ug/l
RT: 10.45 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	156	Resp	65016
Ion Ratio	Lower	Upper	
156	100		
77	190.1	0.0	387.6
158	96.1	0.0	196.2





#73

n-propylbenzene

Concen: 11.997 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 80287

Ion Ratio Lower Upper

120 100

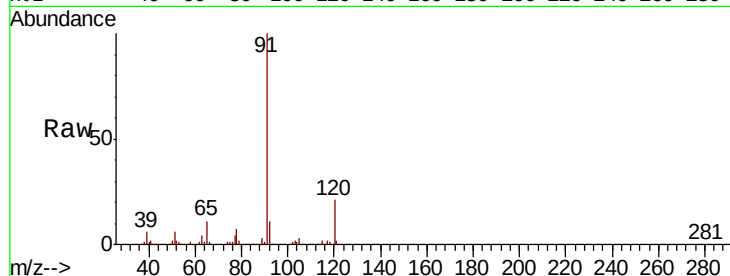
91 475.9 381.4 572.0

Manual Integrations

APPROVED

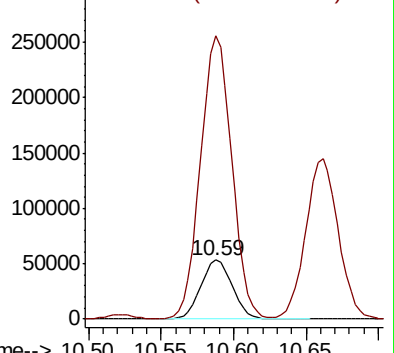
apatel

10/5/2018 12:14:45 PM



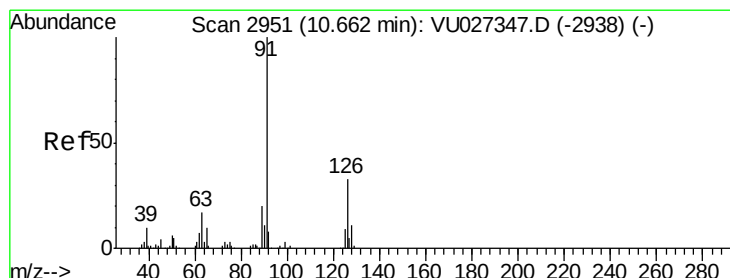
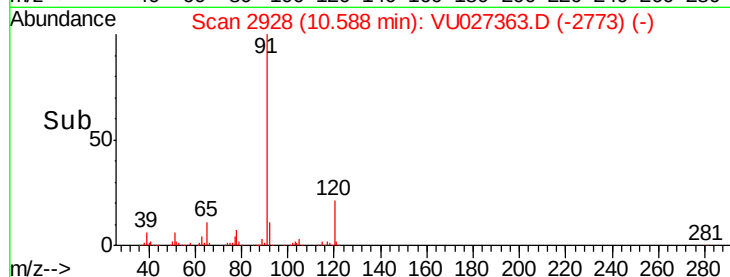
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



apatel

10/5/2018 12:14:45 PM



#74

2-Chlorotoluene

Concen: 11.466 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027363.D

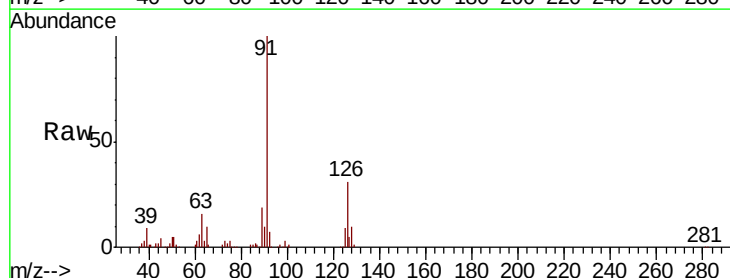
Acq: 03 Oct 2018 17:34

Tgt Ion:126 Resp: 70127

Ion Ratio Lower Upper

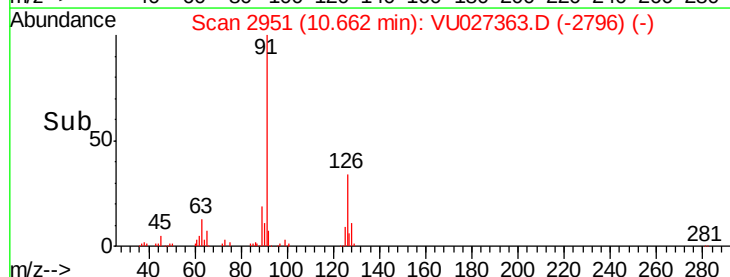
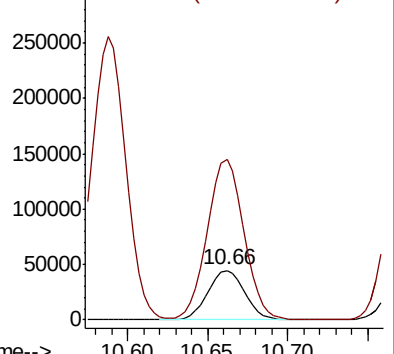
126 100

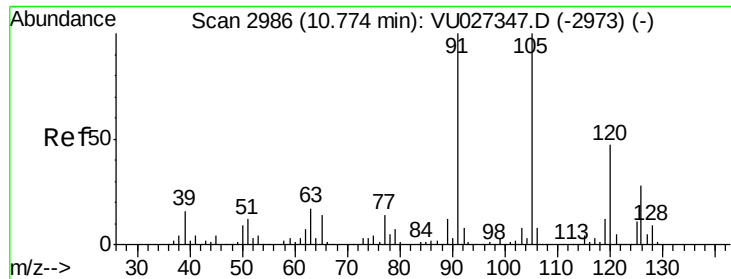
91 318.8 0.0 639.0



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: 11.826 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 261436

Ion Ratio Lower Upper

105 100

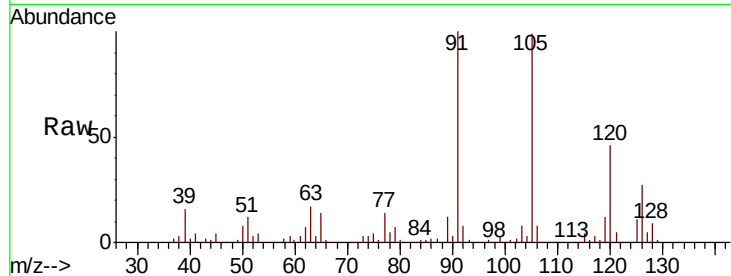
120 47.1 37.8 56.8

Manual Integrations

APPROVED

apatel

10/5/2018 12:14:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

200000

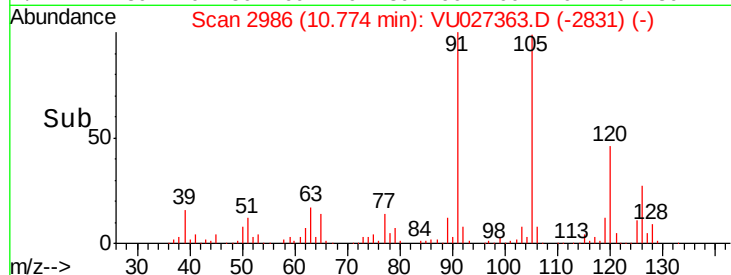
150000

100000

50000

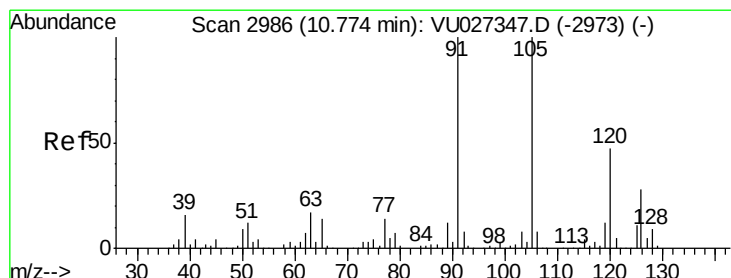
0

Time-->



apatel

10/5/2018 12:14:45 PM



#76

4-Chlorotoluene

Concen: 11.627 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027363.D

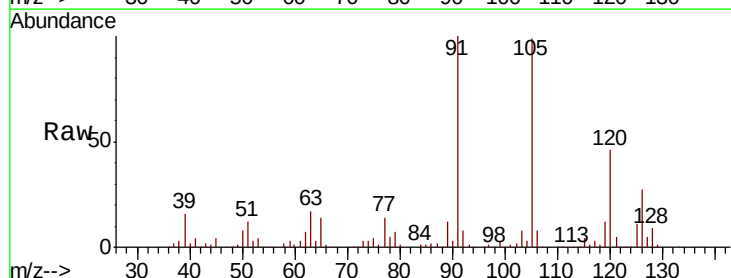
Acq: 03 Oct 2018 17:34

Tgt Ion:126 Resp: 72965

Ion Ratio Lower Upper

126 100

91 368.2 0.0 720.8



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

200000

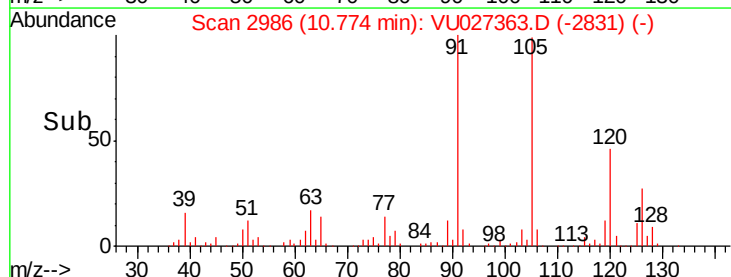
150000

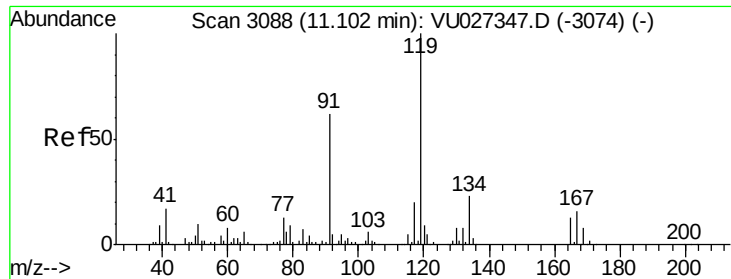
100000

50000

0

Time-->





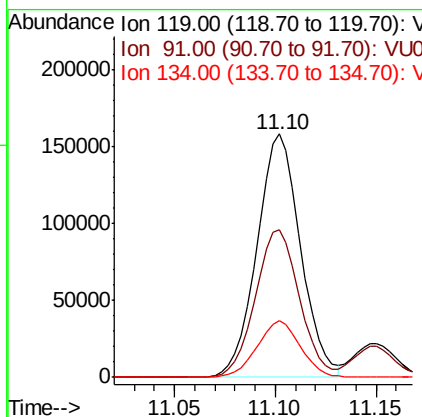
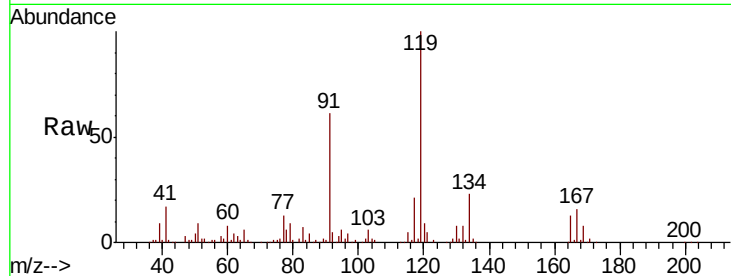
#77
 tert-Butylbenzene
 Concen: 11.417 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	31.4	94.3
134	23.0	18.7	28.1

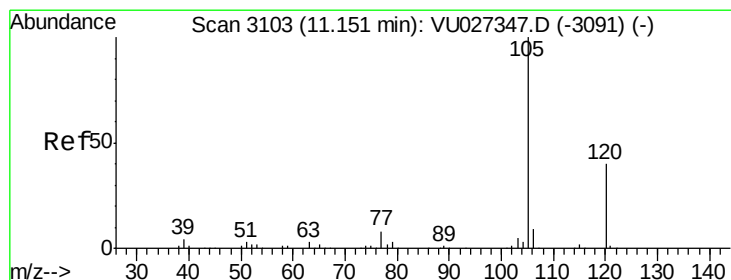
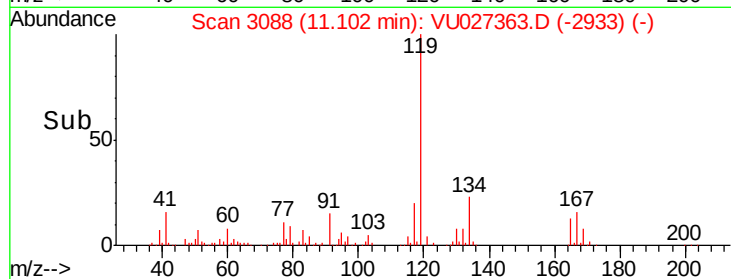
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



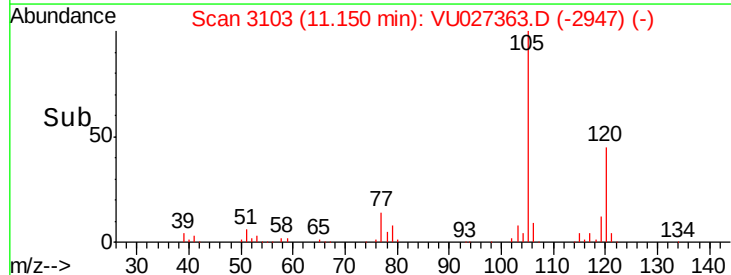
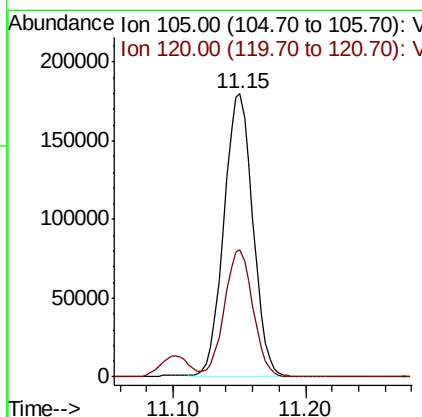
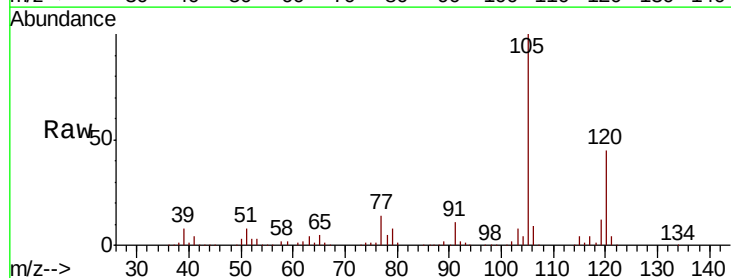
apatel

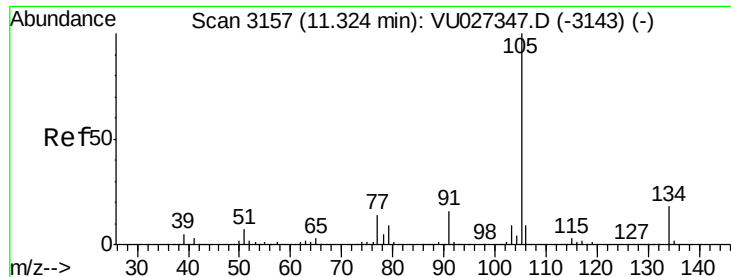
10/5/2018 12:14:45 PM



#78
 1,2,4-Trimethylbenzene
 Concen: 12.078 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





#79

sec-Butylbenzene

Concen: 11.758 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 336706

Ion Ratio Lower Upper

105 100

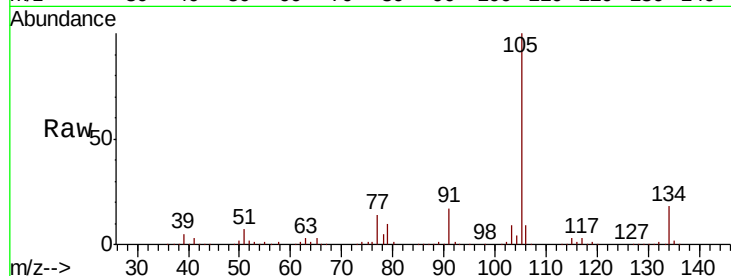
134 18.8 14.8 22.2

Manual Integrations

APPROVED

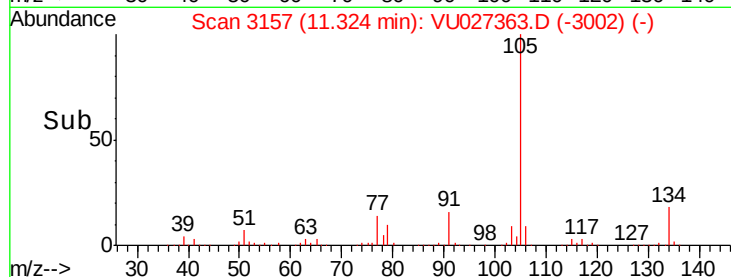
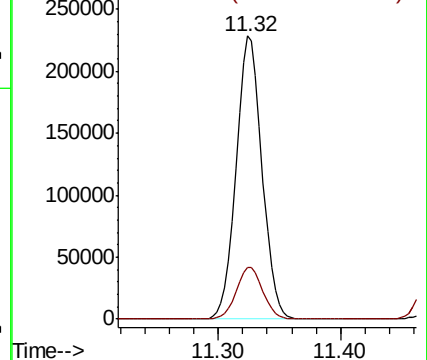
apatel

10/5/2018 12:14:45 PM



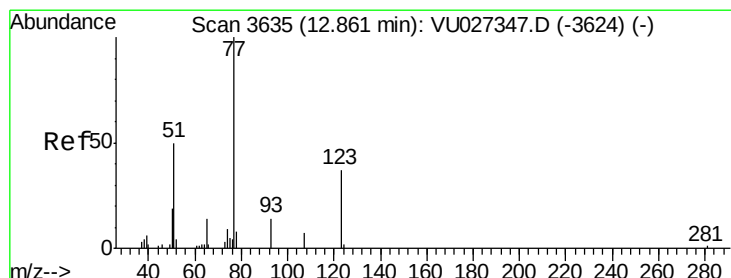
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



apatel

10/5/2018 12:14:45 PM



#80

Nitrobenzene

Concen: 62.294 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. -0.00 min

Lab File: VU027363.D

Acq: 03 Oct 2018 17:34

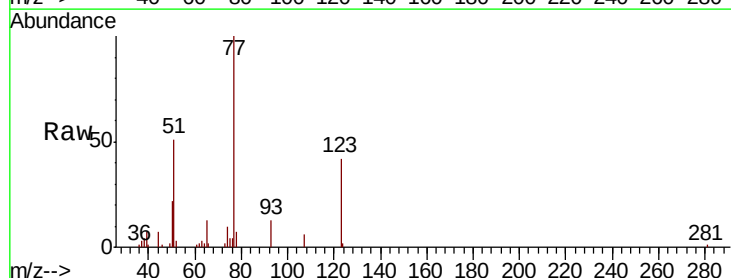
Tgt Ion: 77 Resp: 16566

Ion Ratio Lower Upper

77 100

123 39.7 16.4 58.2

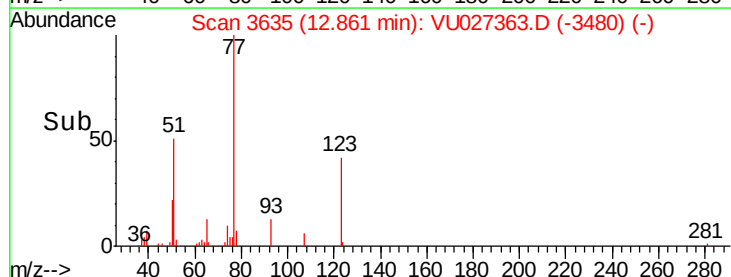
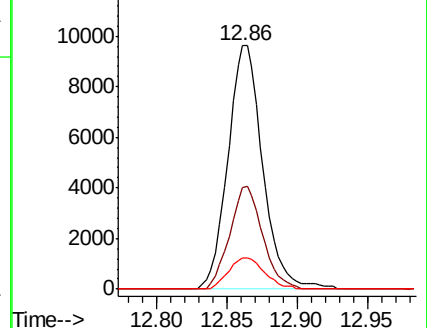
65 13.3 11.7 14.9

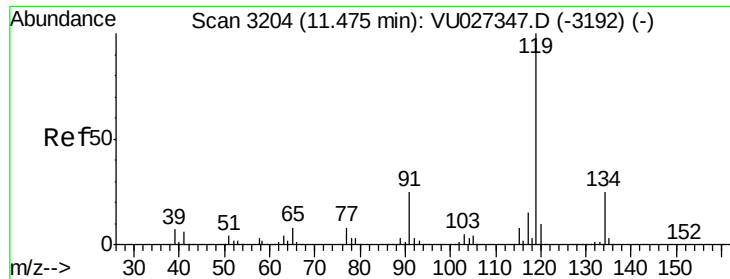


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





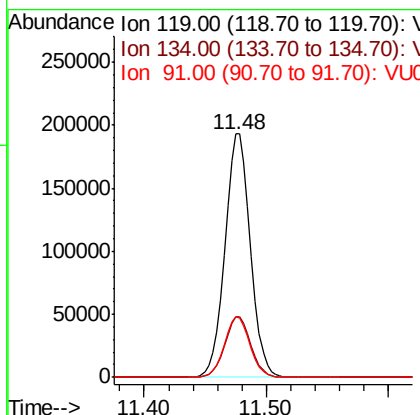
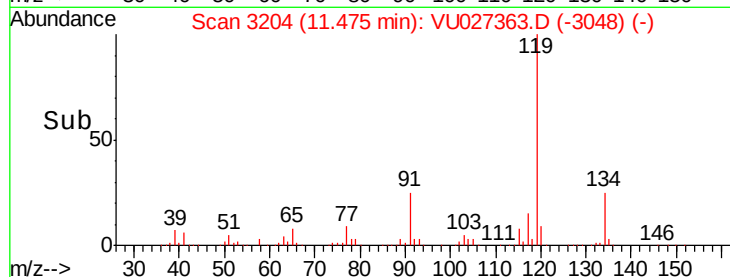
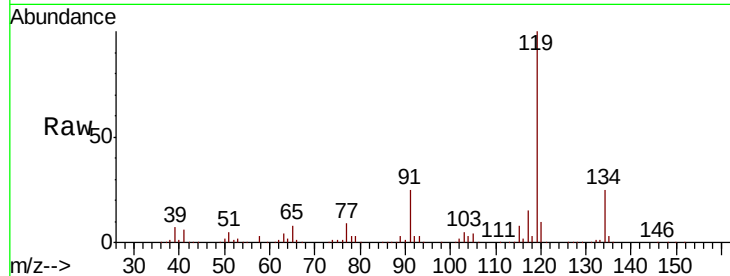
#81
p-Isopropyltoluene
Concen: 12.220 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.2	30.2
91	24.9	19.6	29.4

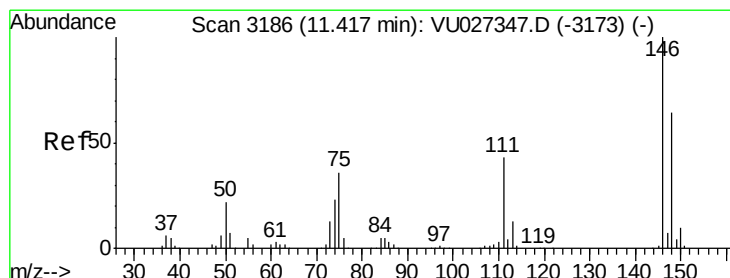
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



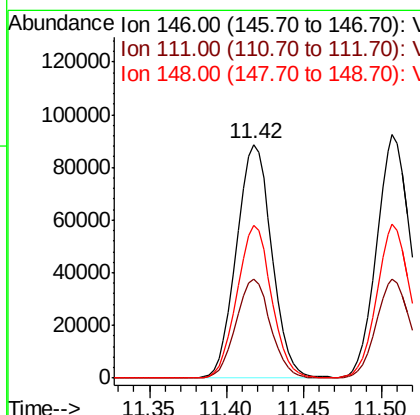
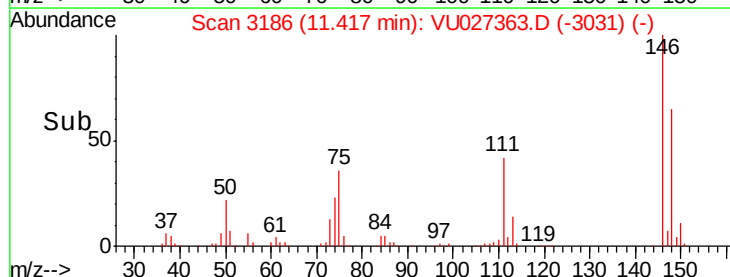
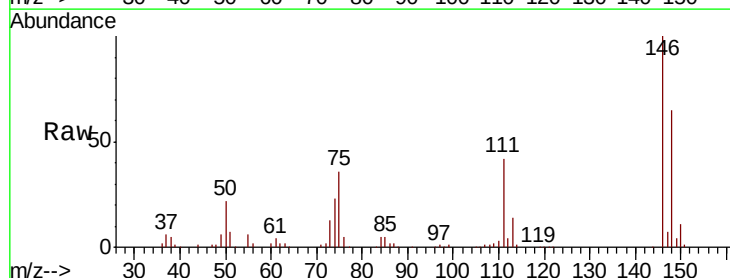
apatel

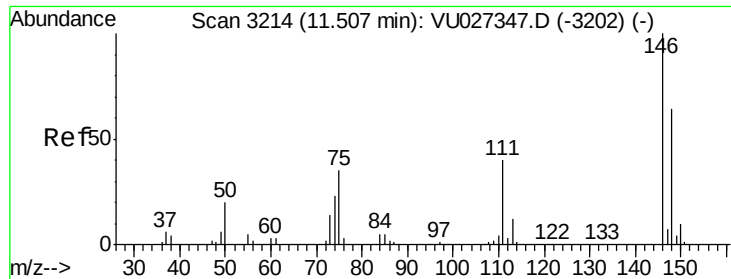
10/5/2018 12:14:45 PM



#82
1,3-Dichlorobenzene
Concen: 11.158 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	34.3	51.5
148	63.7	51.2	76.8





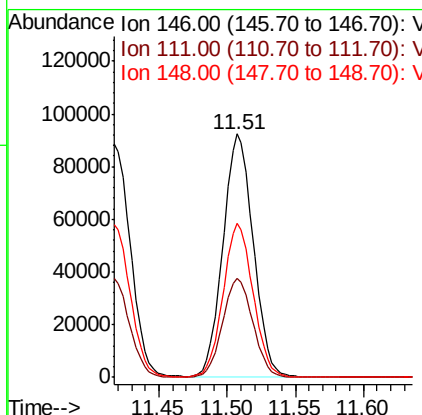
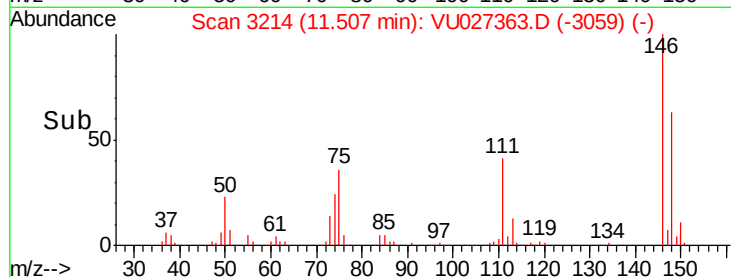
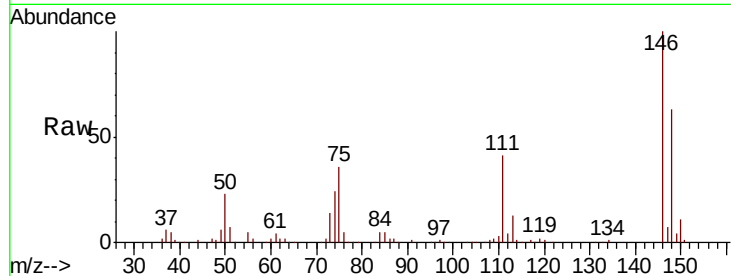
#83
 1,4-Dichlorobenzene
 Concen: 11.249 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	32.6	49.0
148	63.0	51.4	77.2

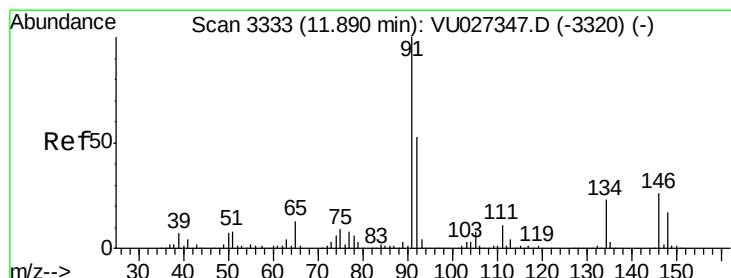
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



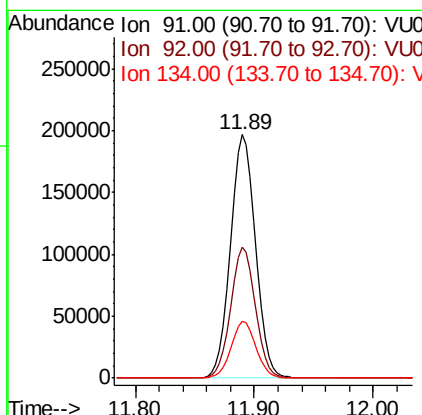
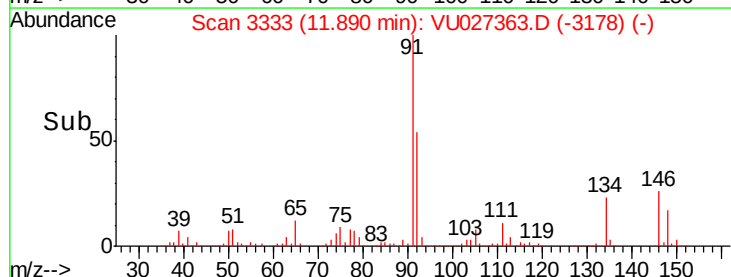
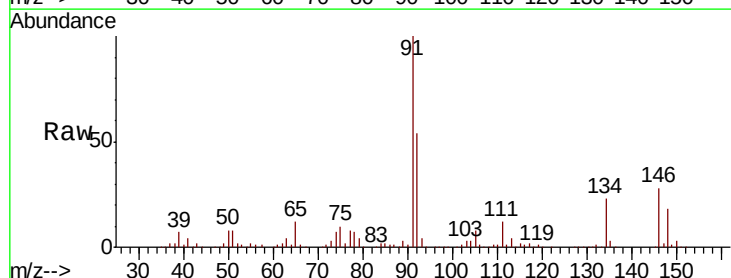
apatel

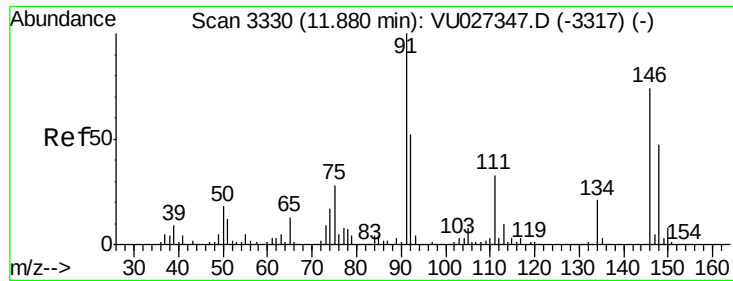
10/5/2018 12:14:45 PM



#84
 n-Butylbenzene
 Concen: 12.296 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	42.2	63.2
134	23.1	18.2	27.4





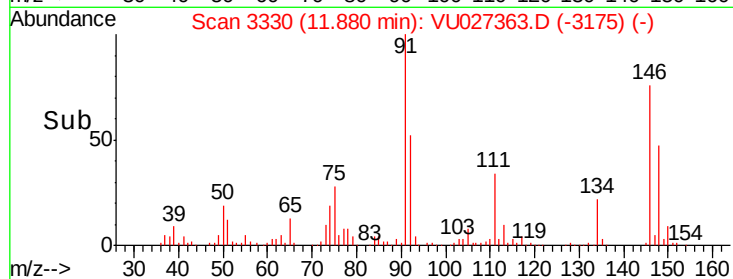
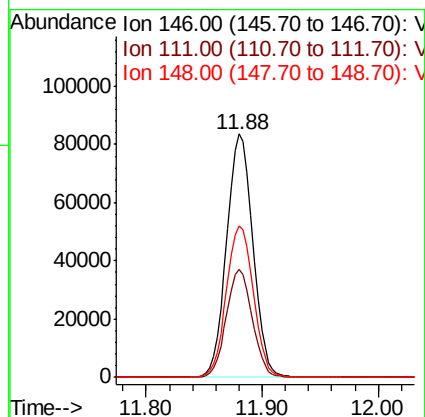
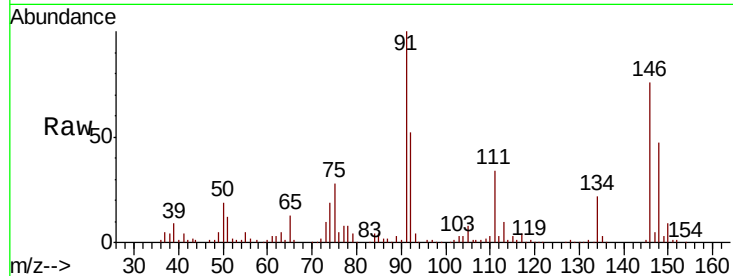
#85
 1,2-Dichlorobenzene
 Concen: 11.168 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.1	66.3
148	64.0	32.0	96.0

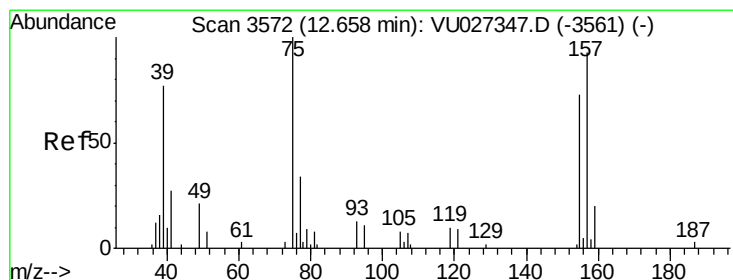
Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM



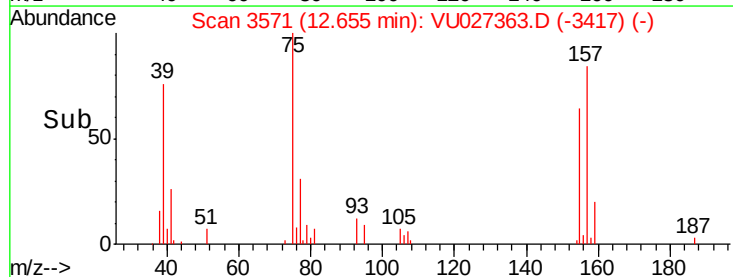
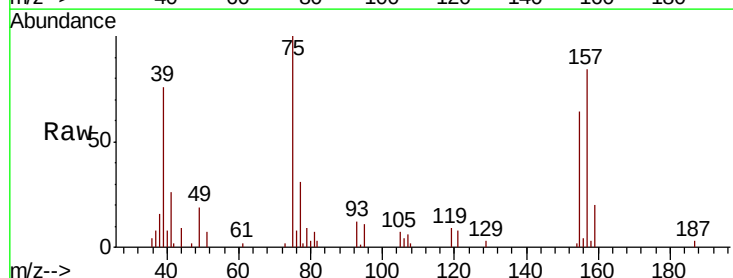
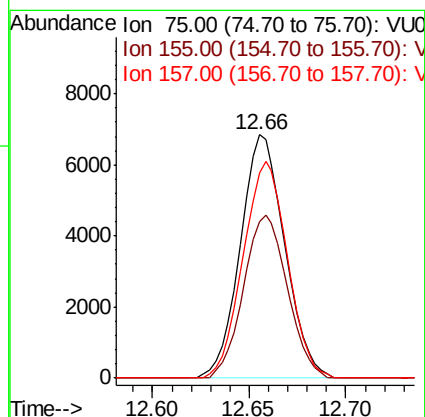
apatel

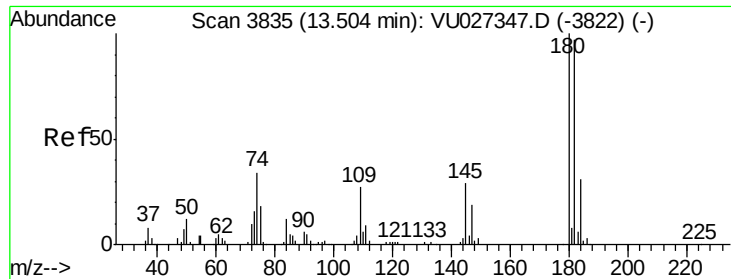
10/5/2018 12:14:45 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.147 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.0	56.6	84.8
157	88.7	71.8	107.6





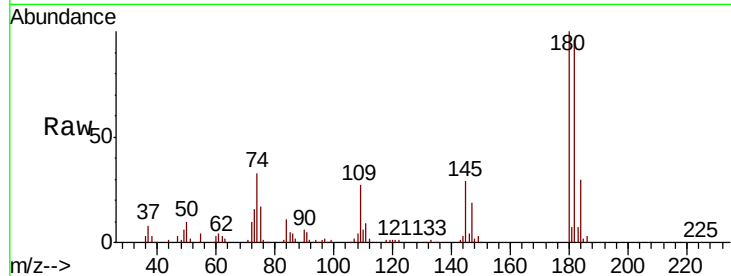
#87
 1,2,4-Trichlorobenzene
 Concen: 11.415 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

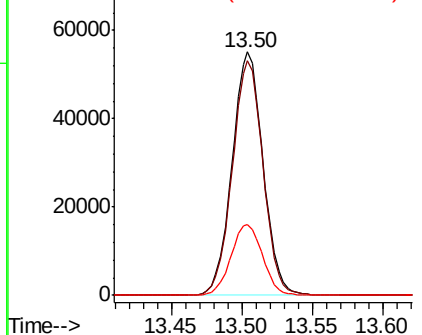
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	77.5	116.3
145	29.6	23.9	35.9

Manual Integrations
 APPROVED

apatel
 10/5/2018 12:14:45 PM

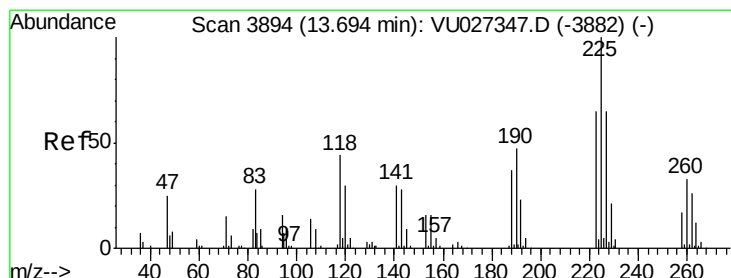
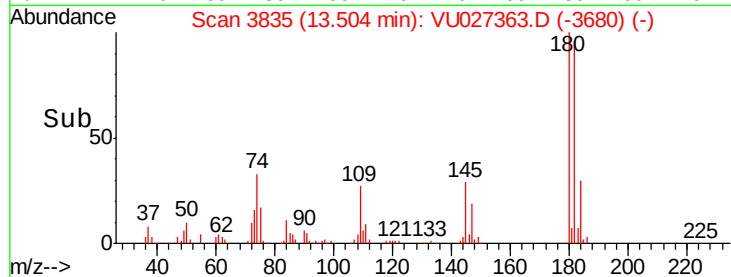


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



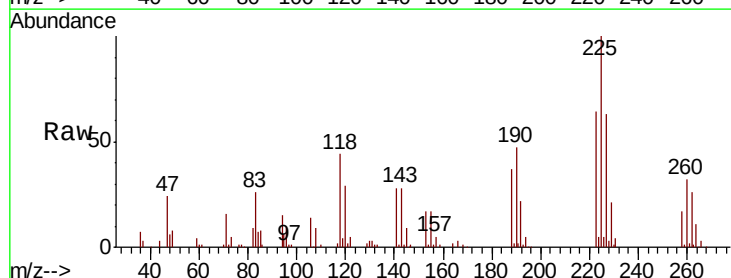
apatel

10/5/2018 12:14:45 PM

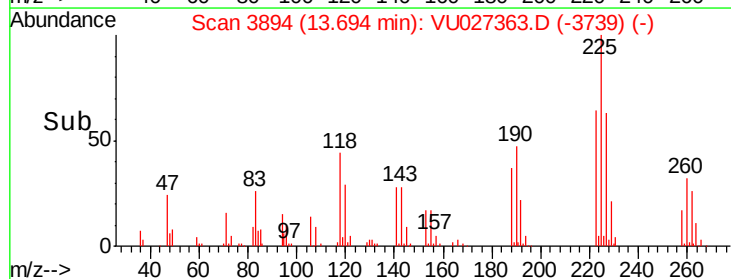
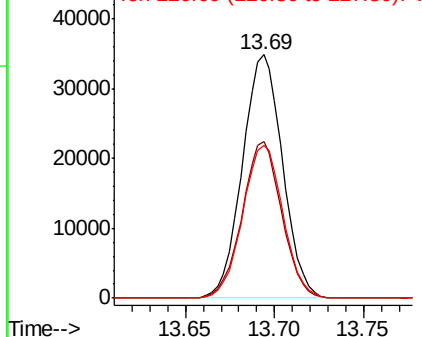


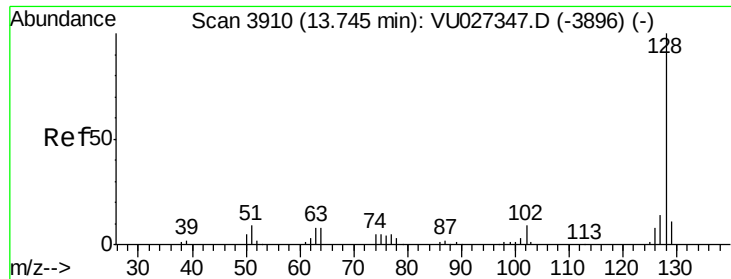
#88
 Hexachlorobutadiene
 Concen: 11.212 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027363.D
 Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.4	77.0
227	62.9	52.3	78.5



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





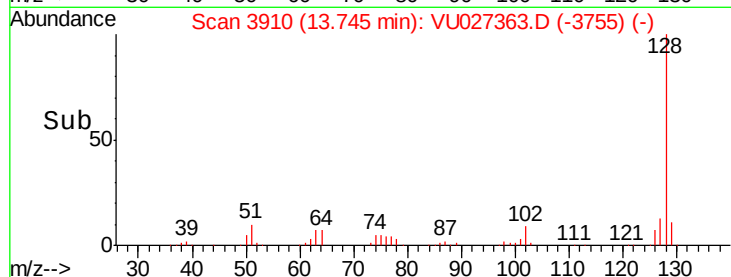
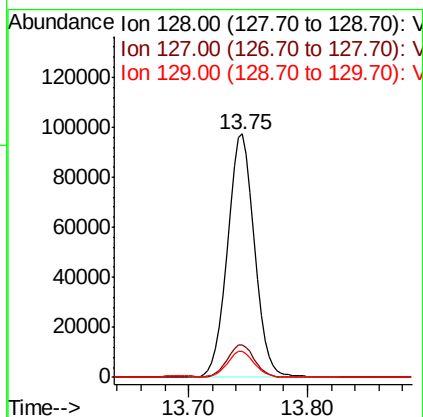
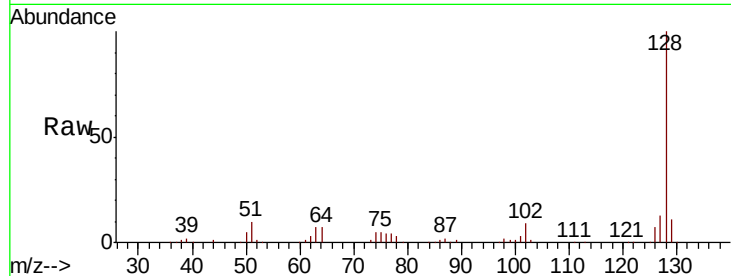
#89
Naphthalene
Concen: 11.703 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.8	8.4	12.6

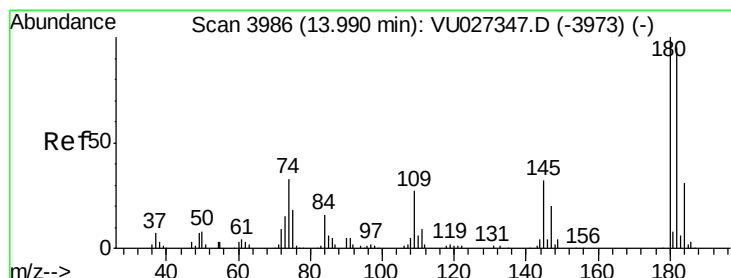
Manual Integrations
APPROVED

apatel
10/5/2018 12:14:45 PM



apatel

10/5/2018 12:14:45 PM



#90
1,2,3-Trichlorobenzene
Concen: 11.653 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. -0.00 min
Lab File: VU027363.D
Acq: 03 Oct 2018 17:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.2	114.4
145	31.2	25.8	38.8

