

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036530.D
 Acq On : 22 Jan 2020 17:38
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Manual Integrations
 APPROVED

apatel
 1/23/2020 3:21:42 PM

Quant Time: Jan 23 09:22:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	36415	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	13416	0.98	ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	13864	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	93166	7.740	ug/l	98
3) Chloromethane	1.54	50	115158	8.924	ug/l	98
4) Vinyl Chloride	1.62	62	121750	8.329	ug/l	100
5) Bromomethane	1.87	94	79583	8.762	ug/l	97
6) Chloroethane	1.95	64	76046	8.782	ug/l	99
7) Trichlorofluoromethane	2.16	101	143316	9.924	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	90546	10.065	ug/l	99
9) 1,1-Dichloroethene	2.61	96	95813	10.005	ug/l	97
10) Iodomethane	2.75	142	115684	8.894	ug/l	100
11) Allyl Chloride	2.95	41	128989	9.742	ug/l	97
12) Acrylonitrile	3.37	53	110242	46.936	ug/l	99
13) Acetone	2.68	43	119971	76.174	ug/l	100
14) Carbon Disulfide	2.82	76	312804	9.432	ug/l	99
15) Methylene Chloride	3.08	84	106507	8.445	ug/l	99
16) trans-1,2-Dichloroethene	3.38	96	105049	9.945	ug/l	99
17) 1,1-Dichloroethane	3.91	63	166644	9.681	ug/l	99
18) 2-Butanone	4.78	43	136980	54.322	ug/l	99
19) Cyclohexane	5.42	56	152689m	9.704	ug/l	
20) Methylcyclohexane	6.79	83	175812	10.008	ug/l	99
21) 2,2-Dichloropropane	4.71	77	142903	9.724	ug/l	100
22) cis-1,2-Dichloroethene	4.71	96	110781	10.108	ug/l	100
23) Diethyl Ether	2.41	59	67858	9.174	ug/l	99
24) tert-Butyl Alcohol	3.29	59	32698	49.460	ug/l	100
25) Methyl tert-Butyl Ether	3.42	73	238938	9.522	ug/l	100
26) Bromochloromethane	5.02	128	50604	10.661	ug/l	96
27) Chloroform	5.13	83	165284	9.707	ug/l	98
28) 1,1,1-Trichloroethane	5.36	97	140127	9.815	ug/l	100
29) 1,1-Dichloropropene	5.56	75	133913	9.610	ug/l	100
30) Carbon Tetrachloride	5.56	117	120265	9.837	ug/l	98
31) Isopropyl Ether	4.05	45	259100	9.916	ug/l #	1
34) Propionitrile	4.85	54	77311	106.363	ug/l	99
35) Benzene	5.81	78	394307	9.772	ug/l	100
36) 1,2-Dichloroethane	5.84	62	106849	9.837	ug/l	99
37) Trichloroethene	6.58	130	109209	9.803	ug/l	99
38) 1,2-Dichloropropane	6.83	63	97852	9.645	ug/l	99
39) Methacrylonitrile	5.03	41	30056	9.839	ug/l	98
40) Methyl acrylate	4.90	55	54754	11.309	ug/l	99
41) Tetrahydrofuran	5.12	42	78097	46.925	ug/l	98
42) 1-Chlorobutane	5.50	56	174348	9.658	ug/l	99
43) Dibromomethane	6.96	93	52452	9.906	ug/l	99
44) Bromodichloromethane	7.14	83	124195	9.916	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU012220\
 Data File : VU036530.D
 Acq On : 22 Jan 2020 17:38
 Operator : JC/MD
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Manual Integrations
 APPROVED

apatel
 1/23/2020 3:21:42 PM

Quant Time: Jan 23 09:22:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Jan 23 08:59:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.83	43	285791	47.905	ug/l	100
46) t-1,4-Dichloro-2-butene	10.86	75	28901m	11.000	ug/l	
47) Methyl methacrylate	7.00	69	51151	9.858	ug/l	98
48) Ethyl methacrylate	8.37	69	102847	10.261	ug/l	100
49) Toluene	8.00	92	251966	9.783	ug/l	100
50) t-1,3-Dichloropropene	8.24	75	130201	10.432	ug/l	100
51) cis-1,3-Dichloropropene	7.64	75	156906	10.373	ug/l	98
52) 1,1,2-Trichloroethane	8.43	97	74535	9.921	ug/l	99
53) 1,3-Dichloropropane	8.61	76	126965	9.860	ug/l	98
54) 2-Hexanone	8.72	43	225070	53.795	ug/l	98
55) Dibromochloromethane	8.84	129	88350	10.214	ug/l	98
56) 1,2-Dibromoethane	8.95	107	73190	10.117	ug/l	100
58) Tetrachloroethene	8.58	164	108779	9.770	ug/l	99
59) Chlorobenzene	9.47	112	277238	9.663	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.56	131	92209	10.063	ug/l	100
61) Pentachloroethane	11.45	117	62379	10.552	ug/l	100
62) Hexachloroethane	12.49	117	76759	10.188	ug/l	100
63) Ethyl Benzene	9.60	91	484279	10.072	ug/l	99
64) m/p-Xylenes	9.72	106	376879	19.802	ug/l	100
65) o-Xylene	10.12	106	180088	9.771	ug/l	99
66) Styrene	10.14	104	306919	9.944	ug/l	100
67) Bromoform	10.32	173	50521	10.201	ug/l	98
69) Isopropylbenzene	10.51	105	480202	9.918	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	93014	9.813	ug/l	99
71) 1,2,3-Trichloropropane	10.85	75	66672m	9.858	ug/l	
72) Bromobenzene	10.81	156	118086	10.123	ug/l	99
73) n-propylbenzene	10.93	120	135235	9.955	ug/l	98
74) 2-Chlorotoluene	11.01	126	113329	9.713	ug/l	100
75) 1,3,5-Trimethylbenzene	11.11	105	422197	10.167	ug/l	99
76) 4-Chlorotoluene	11.12	126	120058	9.958	ug/l	98
77) tert-Butylbenzene	11.44	119	383164	9.738	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	423985	9.902	ug/l	100
79) sec-Butylbenzene	11.66	105	501438	9.185	ug/l	100
81) p-Isopropyltoluene	11.81	119	463858	10.166	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	226413	9.702	ug/l	99
83) 1,4-Dichlorobenzene	11.86	146	226177	9.696	ug/l	99
84) n-Butylbenzene	12.23	91	441666	10.467	ug/l	100
85) 1,2-Dichlorobenzene	12.23	146	214893	9.622	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	15374	9.582	ug/l	99
87) 1,2,4-Trichlorobenzene	13.86	180	160466	11.233	ug/l	99
88) Hexachlorobutadiene	14.04	225	79223	10.119	ug/l	100
89) Naphthalene	14.10	128	288238	11.712	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	145950	10.864	ug/l	100

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

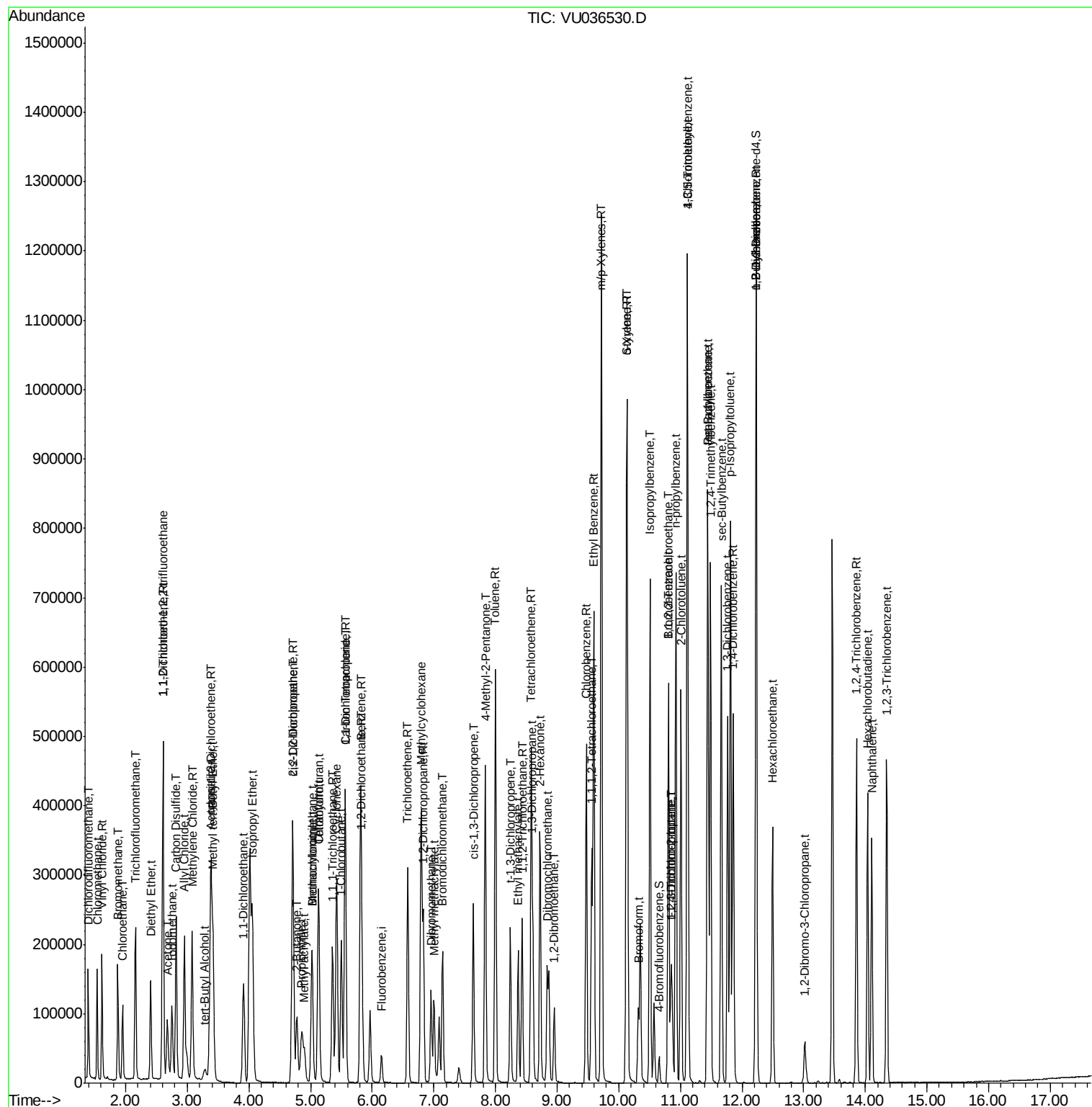
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU012220\
Data File : VU036530.D
Acq On : 22 Jan 2020 17:38
Operator : JC/MD
Sample : VSTDICV010
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 8 Sample Multiplier: 1

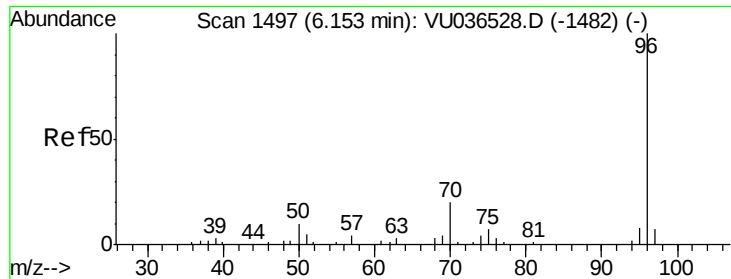
Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM

Quant Time: Jan 23 09:22:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Jan 23 08:59:25 2020
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

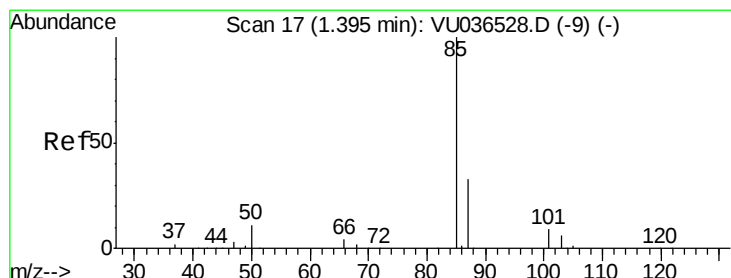
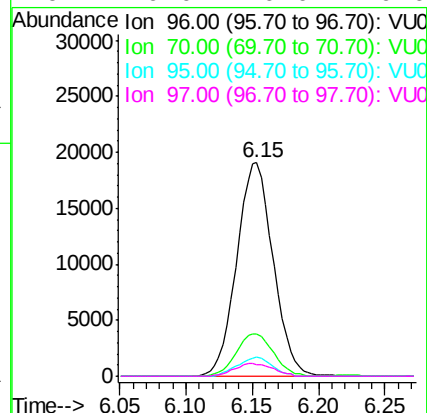
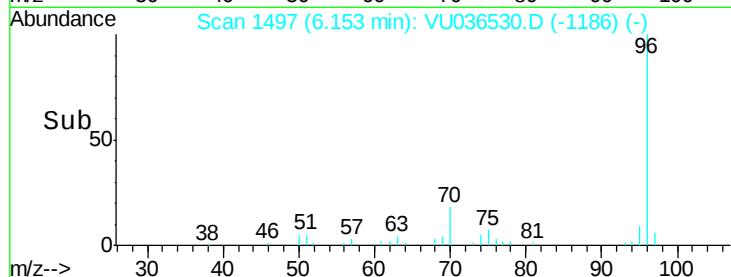
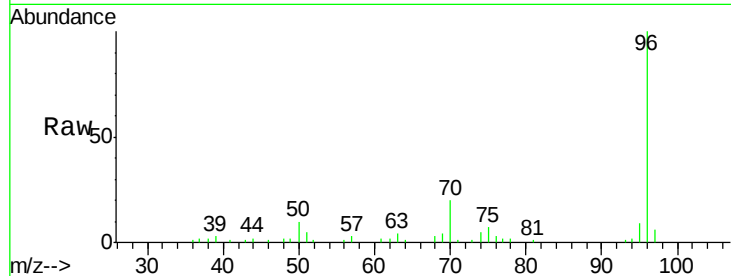
ClientSampleId :

ICVVU012220

Tot Ion:	96	Resp:	36415
Ion	Ratio	Lower	Upper
96	100		
70	20.3	15.6	23.4
95	8.6	7.0	10.6
97	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#2

Dichlorodifluoromethane

Concen: 7.740 ug/l

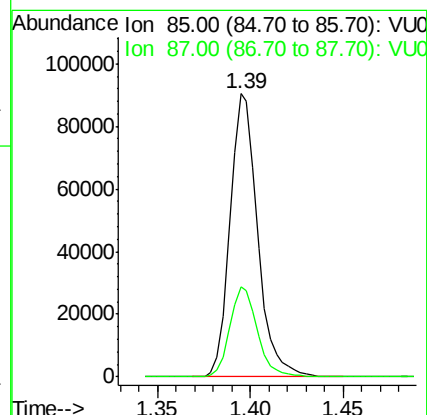
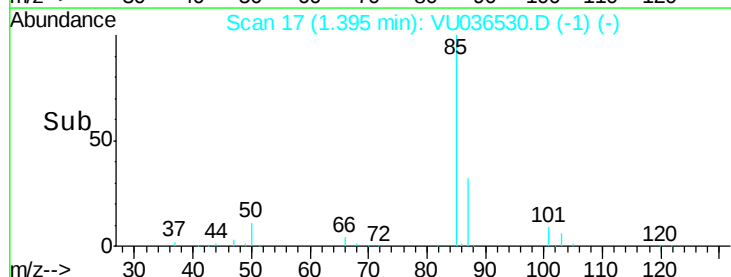
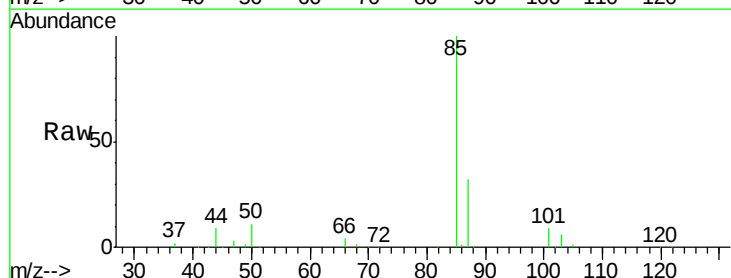
RT: 1.39 min Scan# 17

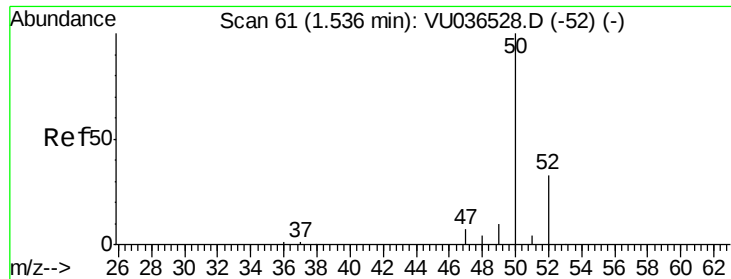
Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	85	Resp:	93166
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.4	49.2





#3

Chloromethane

Concen: 8.924 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 50 Resp: 115158

Ion Ratio Lower Upper

50 100

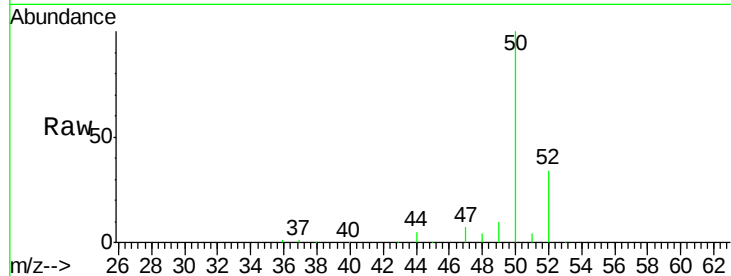
52 33.6 26.0 39.0

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



Abundance Ion 50.00 (49.70 to 50.70): VU036530.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VU036530.D (-1) (-)

1.54

100000

80000

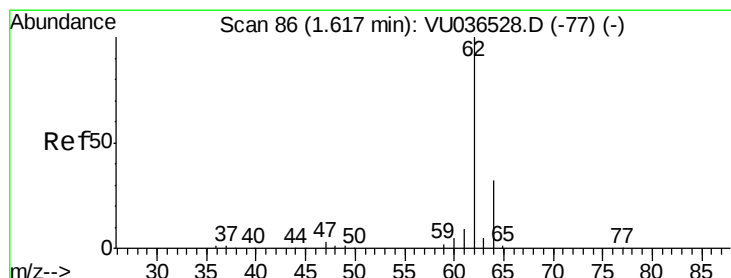
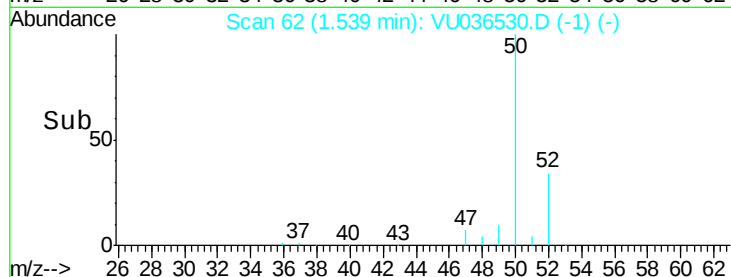
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 8.329 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036530.D

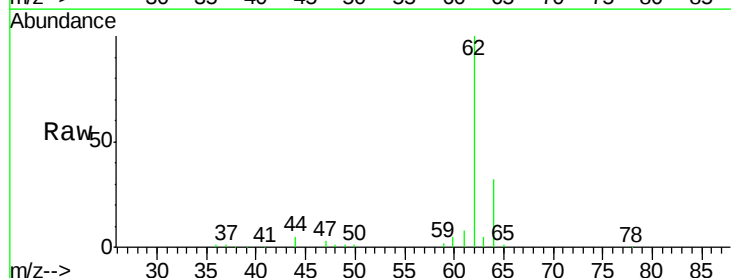
Acq: 22 Jan 2020 17:38

Tgt Ion: 62 Resp: 121750

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VU036530.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU036530.D (-1) (-)

1.62

120000

100000

80000

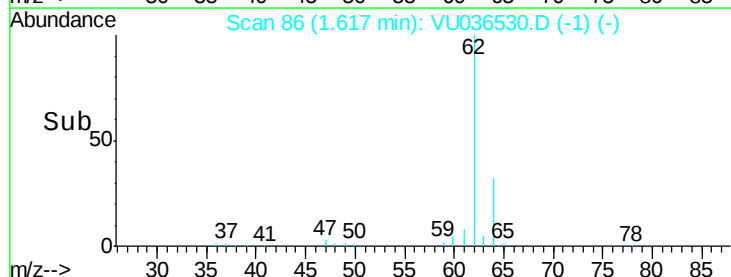
60000

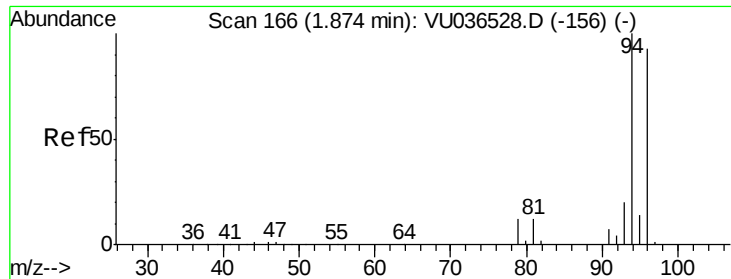
40000

20000

0

Time-->





#5

Bromomethane

Concen: 8.762 ug/l

RT: 1.87 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 94 Resp: 79583

Ion Ratio Lower Upper

94 100

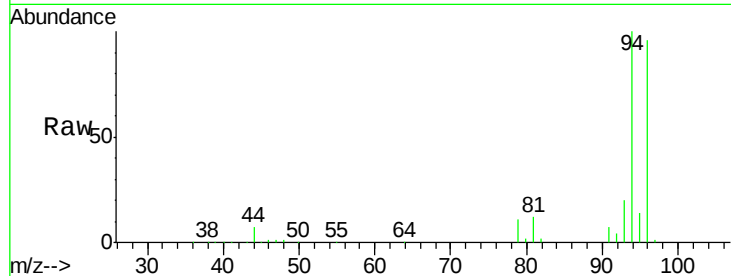
96 96.4 74.6 112.0

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



Abundance Ion 94.00 (93.70 to 94.70): VU036530.D (-11) (-)

Ion 96.00 (95.70 to 96.70): VU036530.D (-11) (-)

1.87

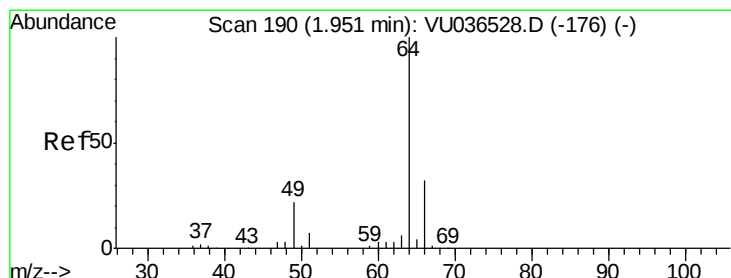
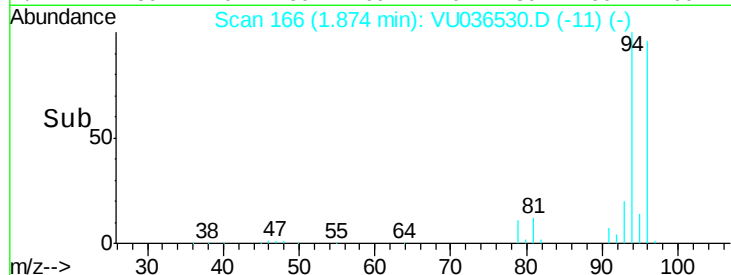
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 8.782 ug/l

RT: 1.95 min Scan# 190

Delta R.T. -0.00 min

Lab File: VU036530.D

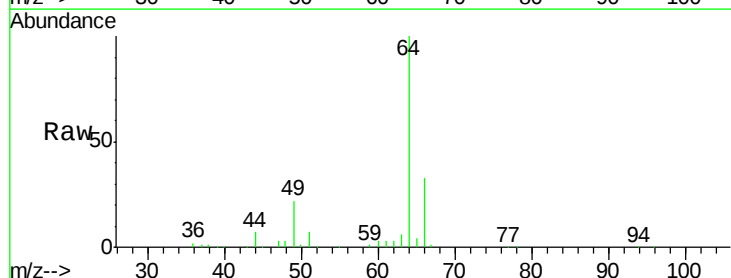
Acq: 22 Jan 2020 17:38

Tgt Ion: 64 Resp: 76046

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3



Abundance Ion 64.00 (63.70 to 64.70): VU036530.D (-35) (-)

Ion 66.00 (65.70 to 66.70): VU036530.D (-35) (-)

1.95

60000

50000

40000

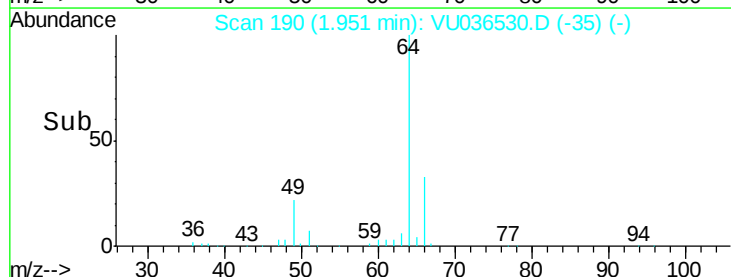
30000

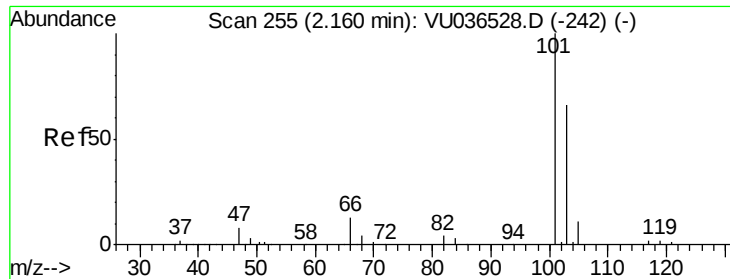
20000

10000

0

Time-->





#7

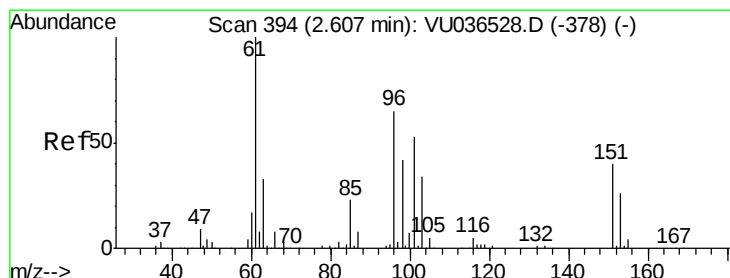
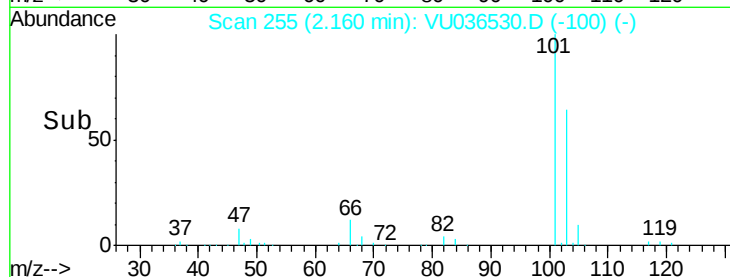
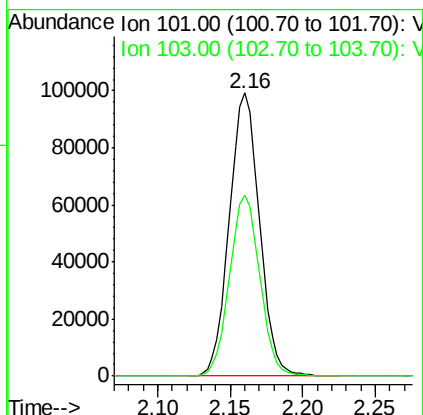
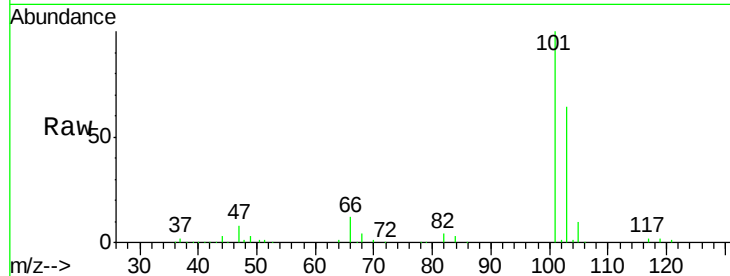
Trichlorofluoromethane
 Concen: 9.924 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.0	79.6

Manual Integrations
 APPROVED

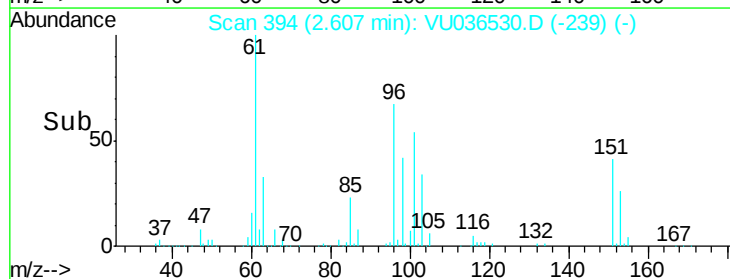
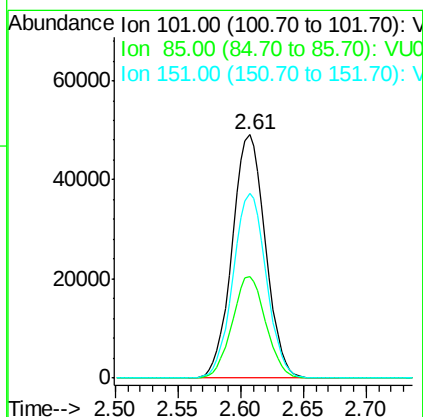
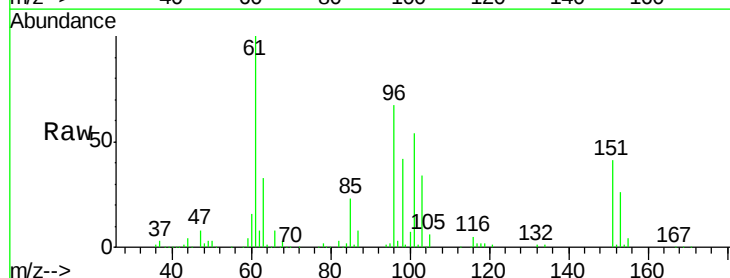
apatel
 1/23/2020 3:21:42 PM

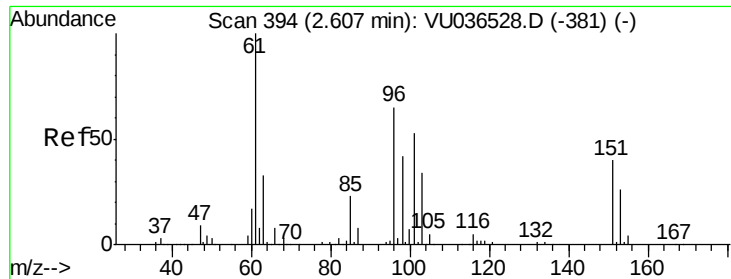


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 10.065 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.3	33.9	50.9
151	76.0	59.8	89.8





#9

1,1-Dichloroethene

Concen: 10.005 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

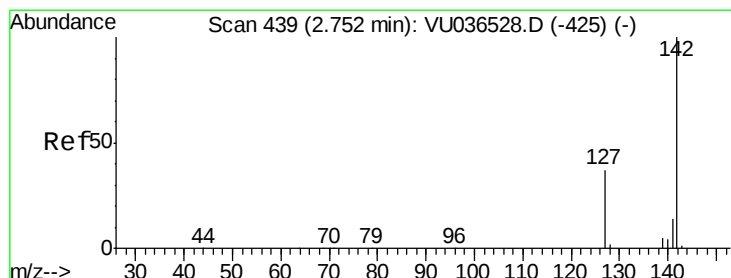
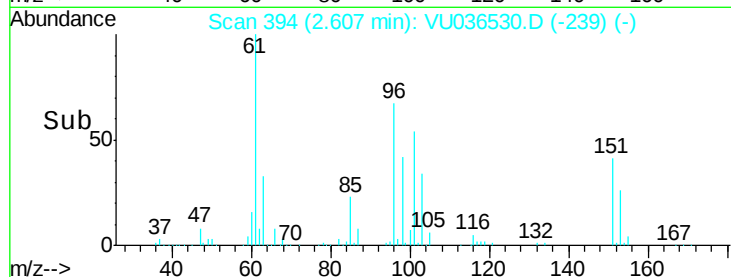
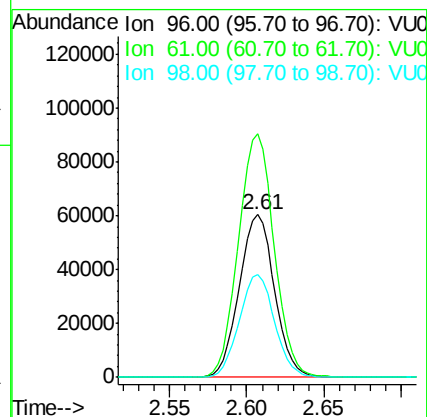
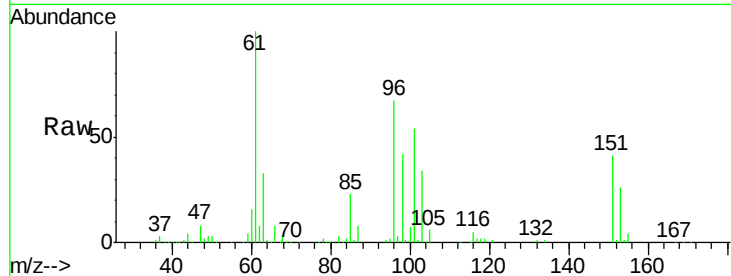
ClientSampleId :

ICVVU012220

Tot Ion:	96	Resp:	95813
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	463.2
98	63.4	0.0	130.0

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#10

Iodomethane

Concen: 8.894 ug/l

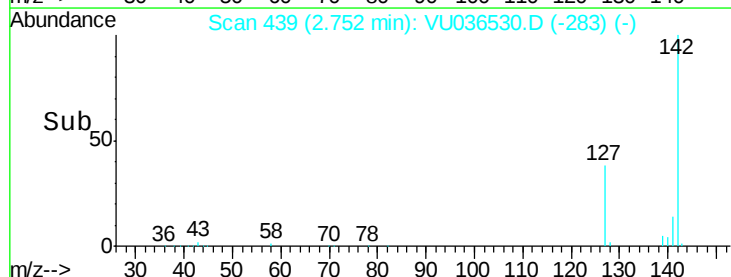
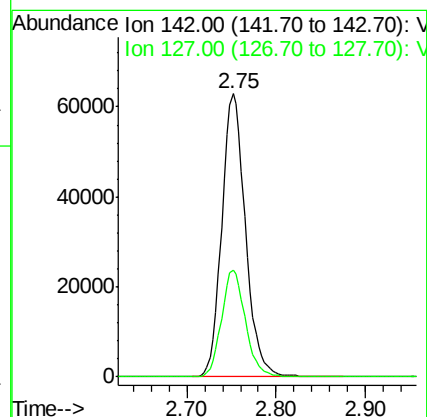
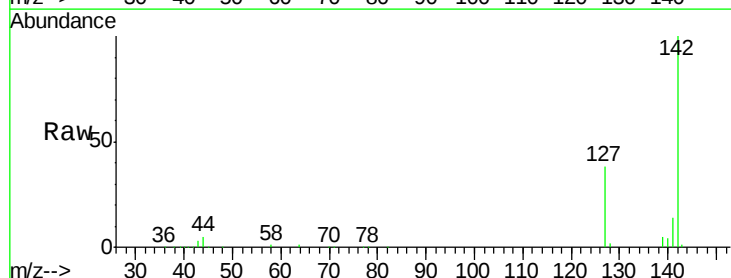
RT: 2.75 min Scan# 439

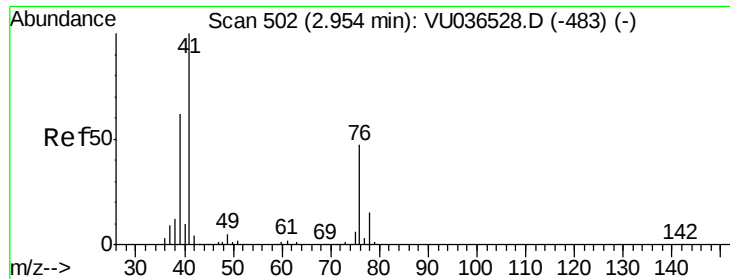
Delta R.T. 0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	142	Resp:	115684
Ion	Ratio	Lower	Upper
142	100		
127	38.0	30.3	45.5





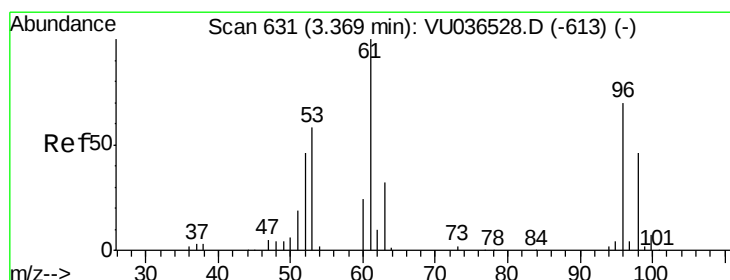
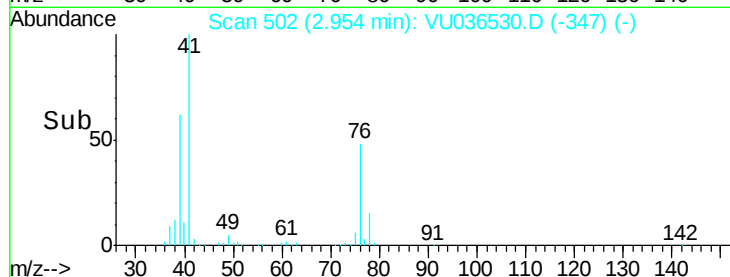
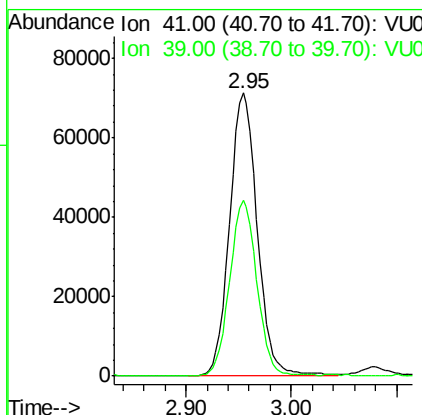
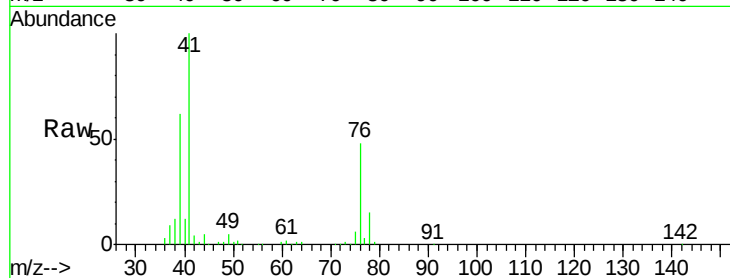
#11
Allvl Chloride
Concen: 9.742 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion: 41 Resp: 128989
Ion Ratio Lower Upper
41 100
39 60.8 50.7 76.1

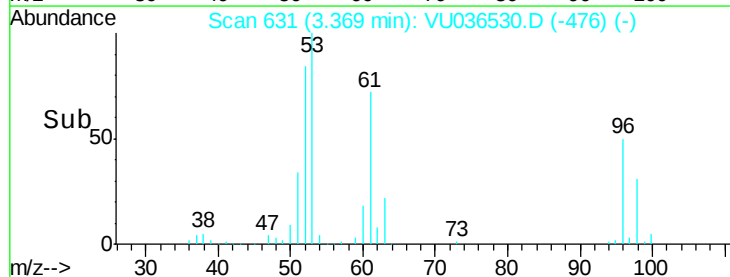
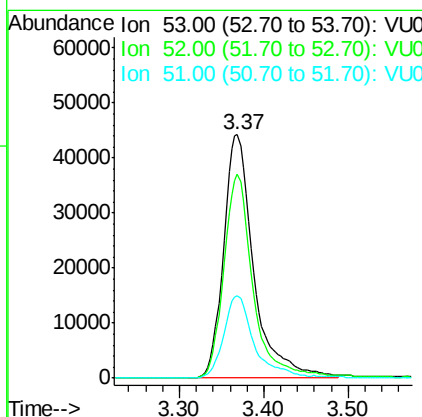
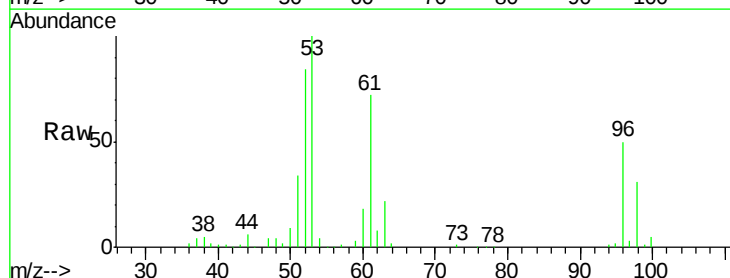
Manual Integrations
APPROVED

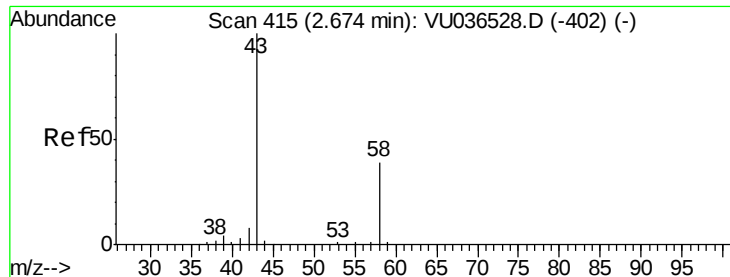
apatel
1/23/2020 3:21:42 PM



#12
Acrylonitrile
Concen: 46.936 ug/l
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion: 53 Resp: 110242
Ion Ratio Lower Upper
53 100
52 81.8 64.6 97.0
51 34.0 27.2 40.8





#13

Acetone

Concen: 76.174 ug/l

RT: 2.68 min Scan# 416

Delta R.T. 0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 43 Resp: 119971

Ion Ratio Lower Upper

43 100

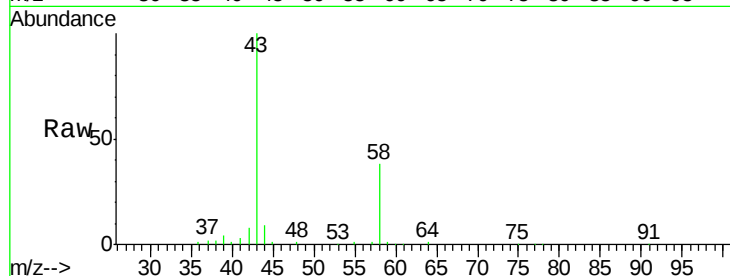
58 38.2 30.8 46.2

Manual Integrations

APPROVED

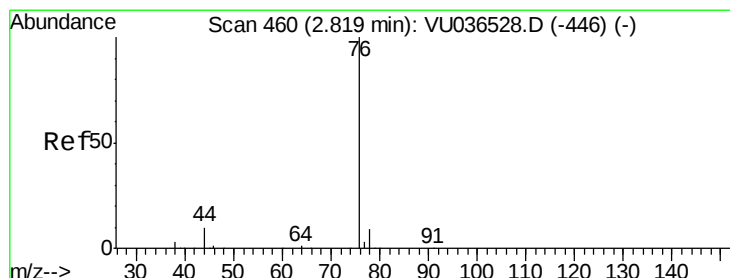
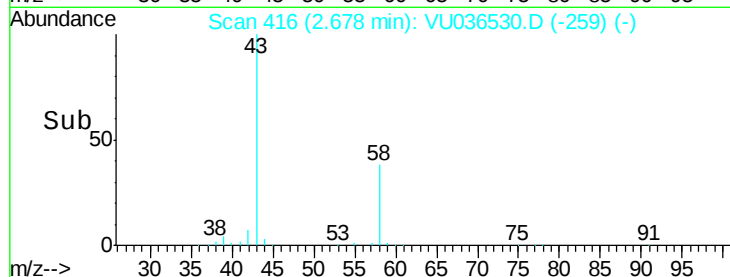
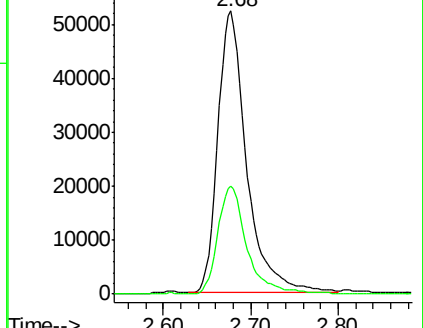
apatel

1/23/2020 3:21:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VU036530.D (-259) (-)

Ion 58.00 (57.70 to 58.70): VU036530.D (-259) (-)



#14

Carbon Disulfide

Concen: 9.432 ug/l

RT: 2.82 min Scan# 460

Delta R.T. -0.00 min

Lab File: VU036530.D

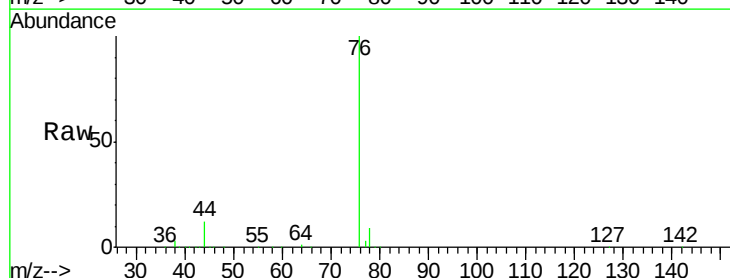
Acq: 22 Jan 2020 17:38

Tgt Ion: 76 Resp: 312804

Ion Ratio Lower Upper

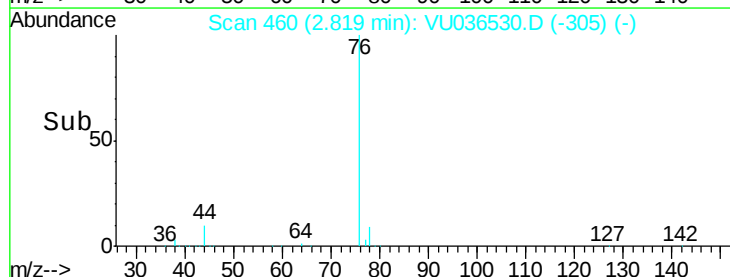
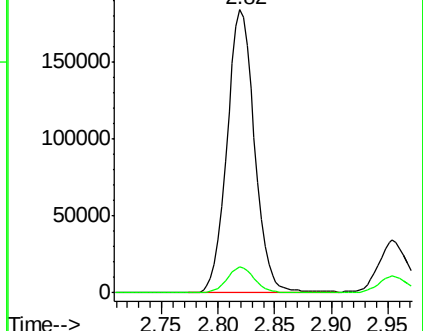
76 100

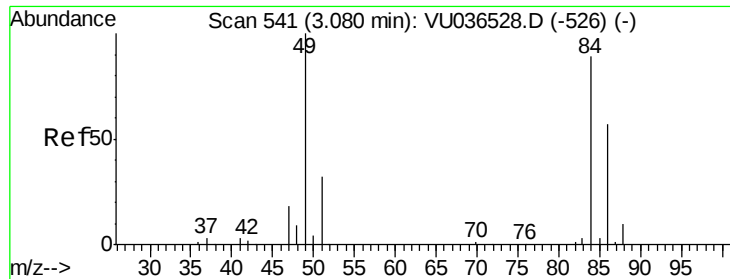
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU036530.D (-305) (-)

Ion 78.00 (77.70 to 78.70): VU036530.D (-305) (-)





#15

Methvlene Chloride

Concen: 8.445 ug/l

RT: 3.08 min Scan# 541

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

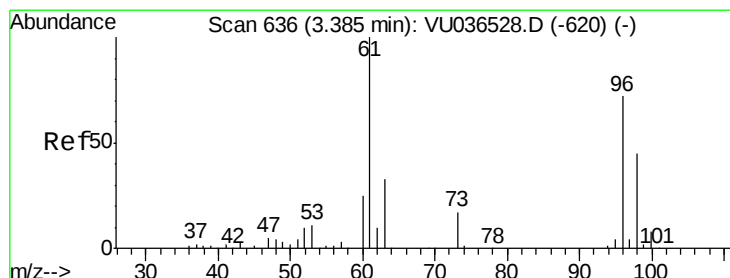
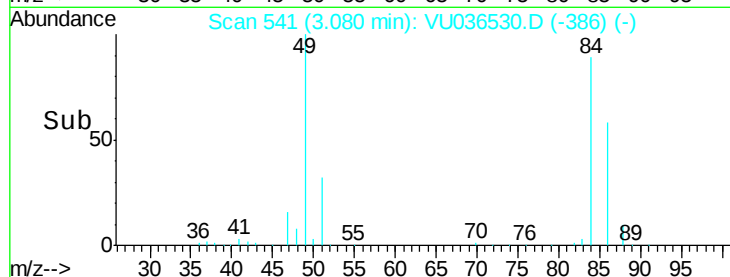
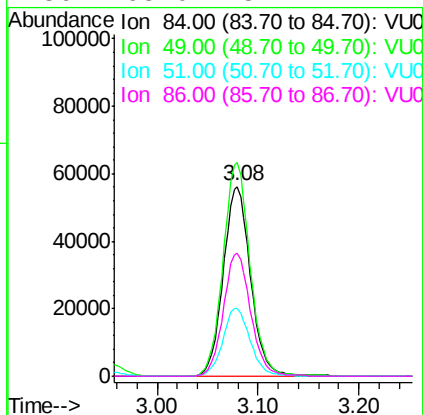
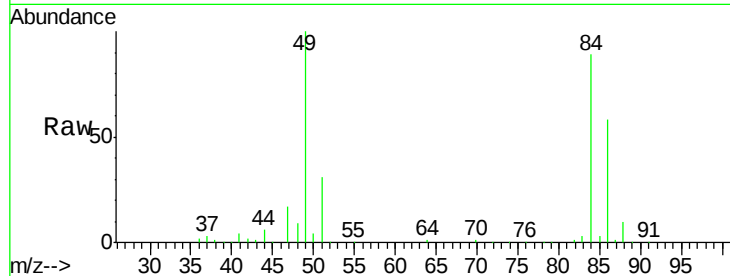
ClientSampleId :

ICVVU012220

Tot Ion:	84	Resp:	106507
Ion	Ratio	Lower	Upper
84	100		
49	112.6	89.7	134.5
51	35.5	0.0	71.6
86	65.0	51.4	77.2

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#16

trans-1,2-Dichloroethene

Concen: 9.945 ug/l

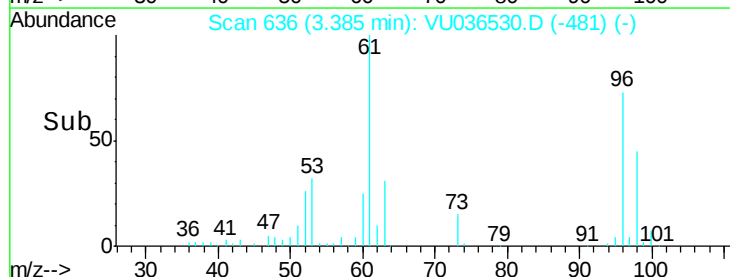
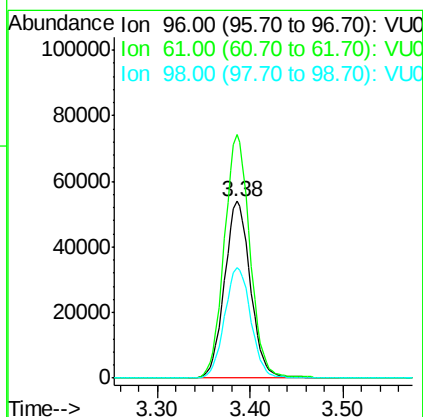
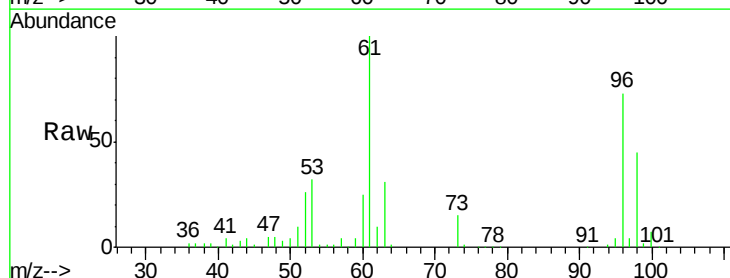
RT: 3.38 min Scan# 636

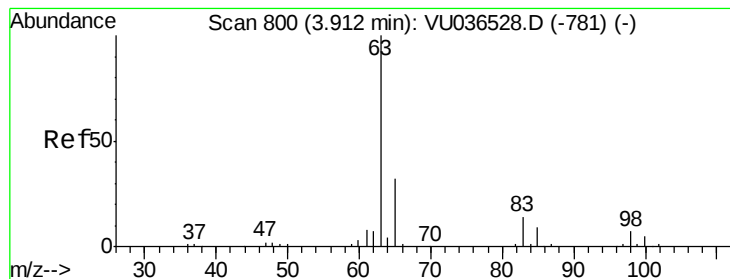
Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	96	Resp:	105049
Ion	Ratio	Lower	Upper
96	100		
61	137.8	110.8	166.2
98	62.3	50.3	75.5





#17

1,1-Dichloroethane

Concen: 9.681 ug/l

RT: 3.91 min Scan# 800

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

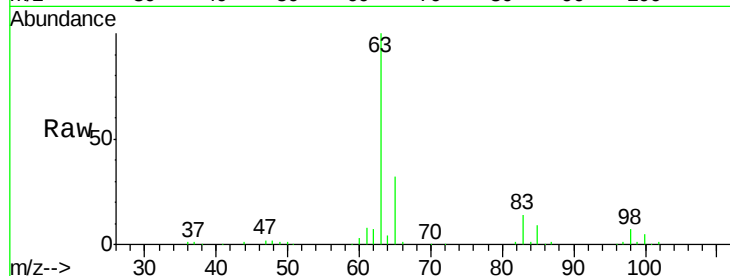
ClientSampleId :

ICVVU012220

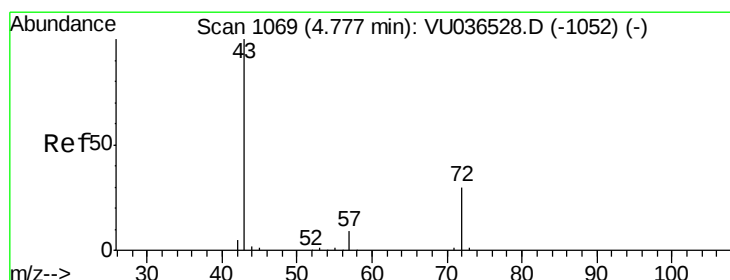
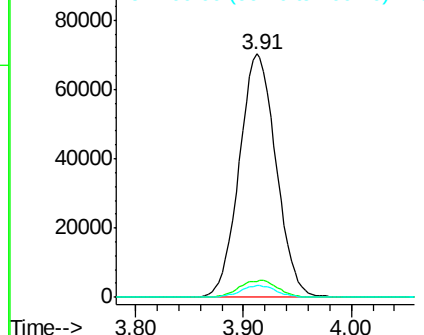
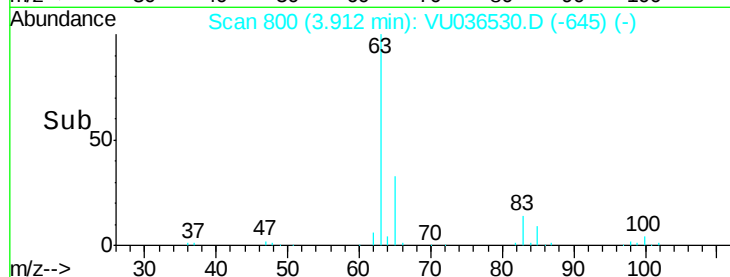
Tot Ion:	63	Resp:	166644
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.5
100	4.7	2.4	7.1

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



Abundance Ion 63.00 (62.70 to 63.70): VU036530.D (-645) (-)



#18

2-Butanone

Concen: 54.322 ug/l

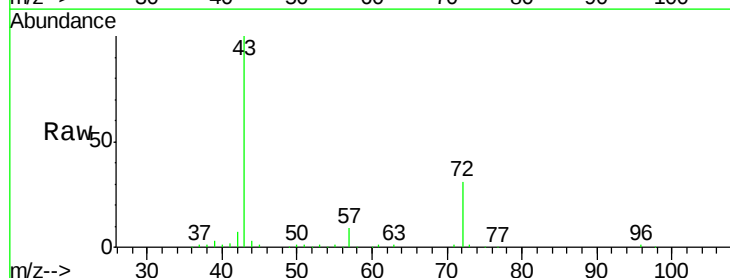
RT: 4.78 min Scan# 1069

Delta R.T. -0.00 min

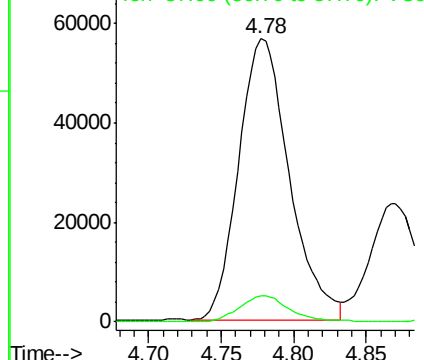
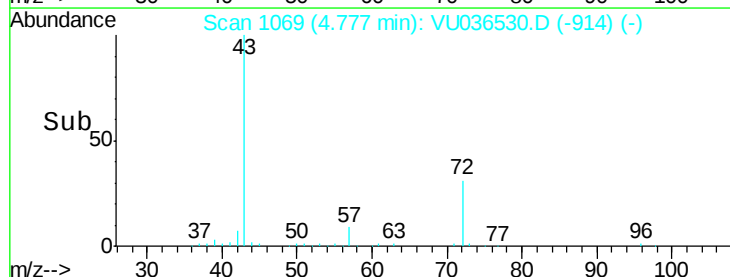
Lab File: VU036530.D

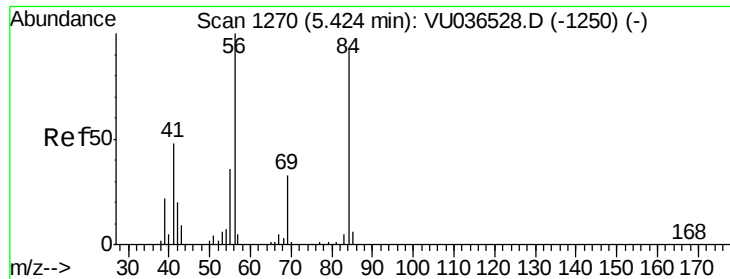
Acq: 22 Jan 2020 17:38

Tgt Ion:	43	Resp:	136980
Ion	Ratio	Lower	Upper
43	100		
57	9.2	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU036530.D (-914) (-)





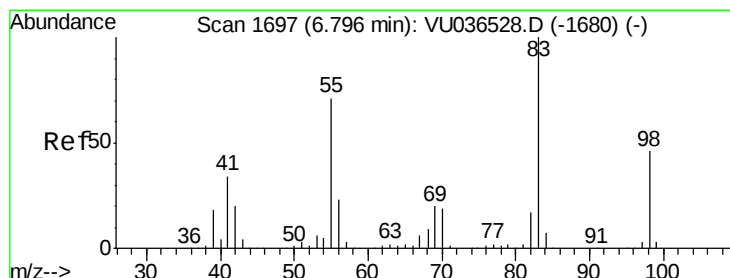
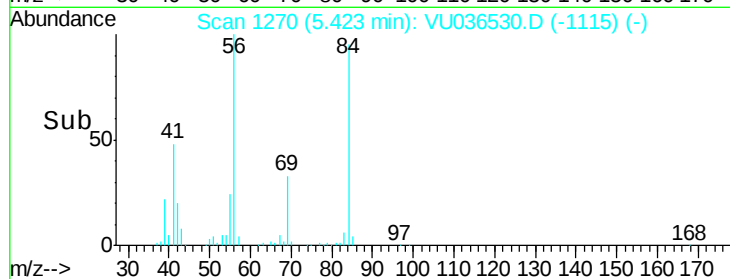
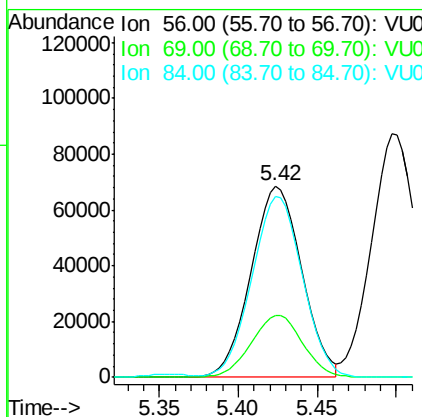
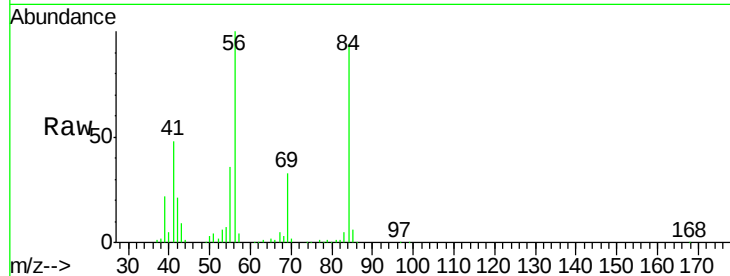
#19
Cyclohexane
Concen: 9.704 ug/l m
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.8	26.2	39.2
84	92.8	72.8	109.2

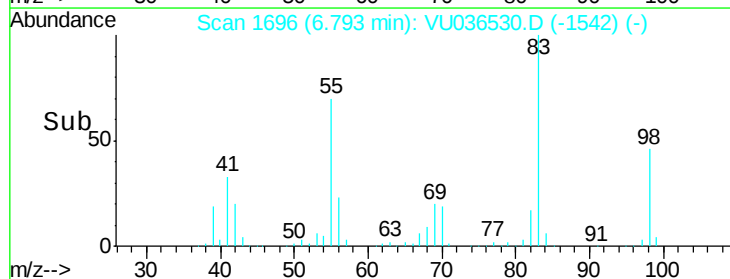
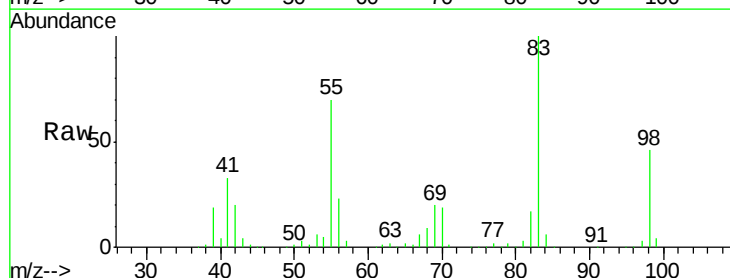
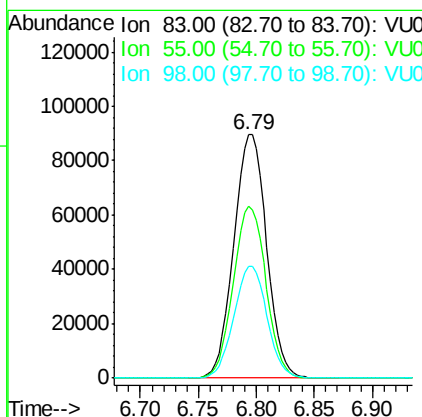
Manual Integrations
APPROVED

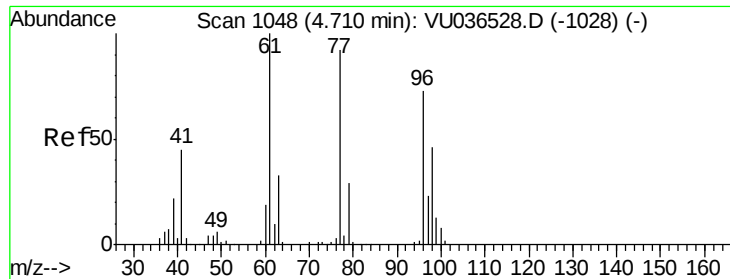
apatel
1/23/2020 3:21:42 PM



#20
Methylcyclohexane
Concen: 10.008 ug/l
RT: 6.79 min Scan# 1696
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.0	56.6	85.0
98	46.4	37.5	56.3





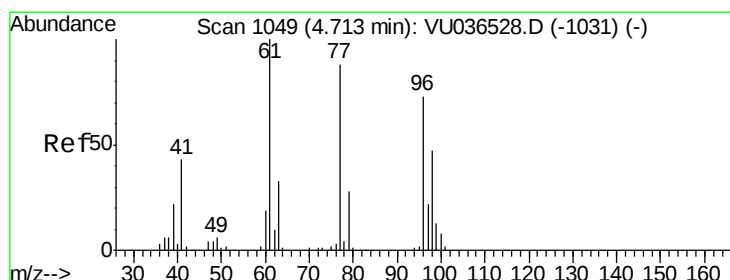
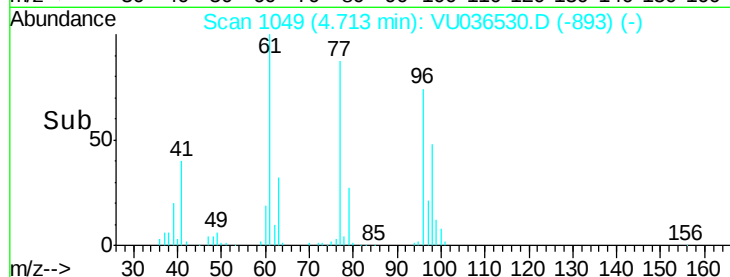
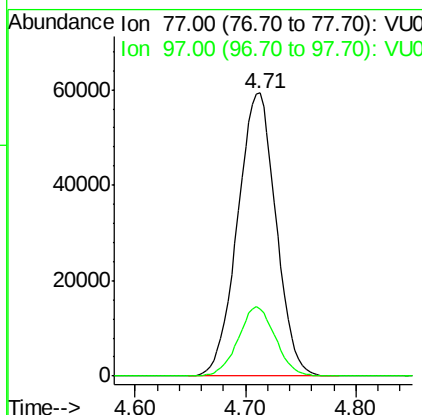
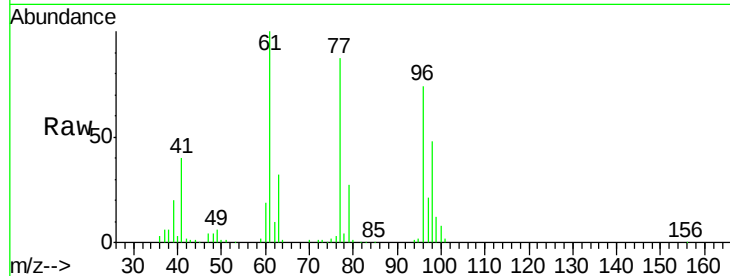
#21
 2,2-Dichloropropane
 Concen: 9.724 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion: 77 Resp: 142903
 Ion Ratio Lower Upper
 77 100
 97 23.7 19.0 28.4

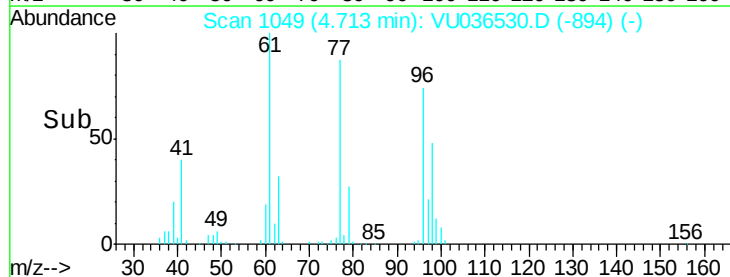
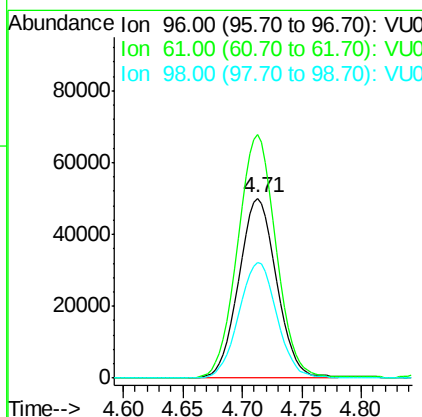
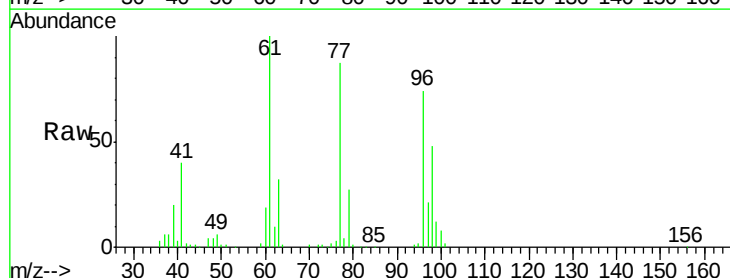
Manual Integrations
 APPROVED

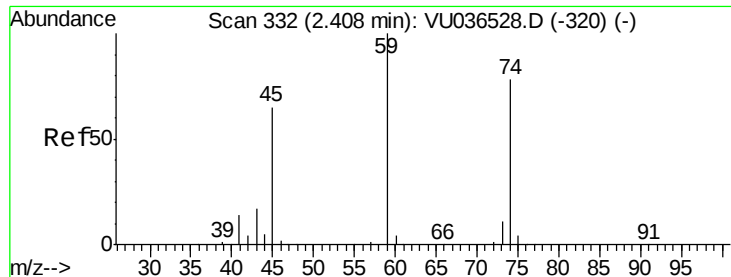
apatel
 1/23/2020 3:21:42 PM



#22
 cis-1,2-Dichloroethene
 Concen: 10.108 ug/l
 RT: 4.71 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion: 96 Resp: 110781
 Ion Ratio Lower Upper
 96 100
 61 137.0 0.0 342.0
 98 64.5 32.0 96.0





#23

Diethyl Ether

Concen: 9.174 ug/l

RT: 2.41 min Scan# 332

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

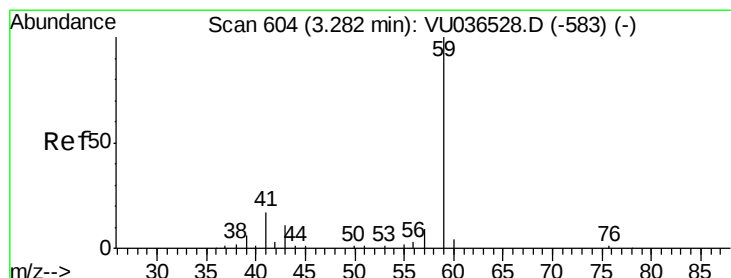
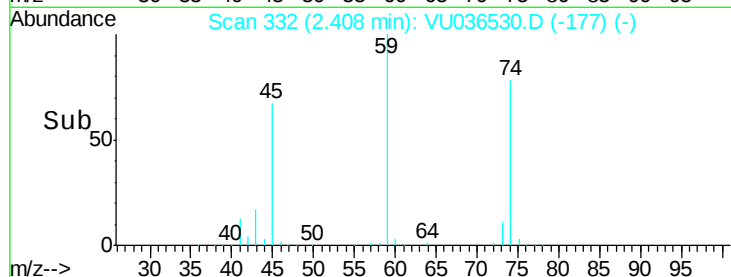
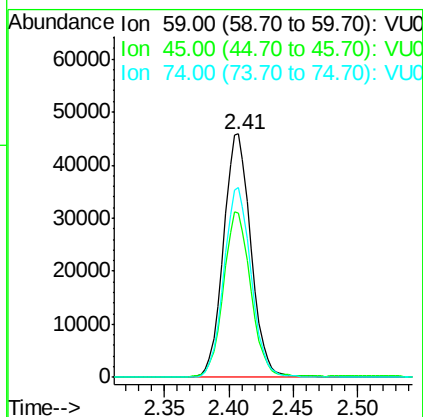
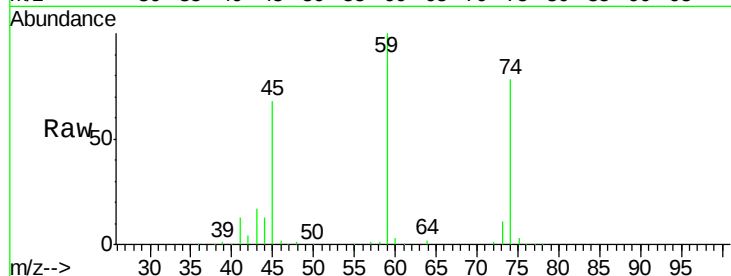
ClientSampleId :

ICVVU012220

Tot Ion:	59	Resp:	67858
Ion	Ratio	Lower	Upper
59	100		
45	67.2	52.4	78.6
74	77.4	62.1	93.1

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#24

tert-Butyl Alcohol

Concen: 49.460 ug/l

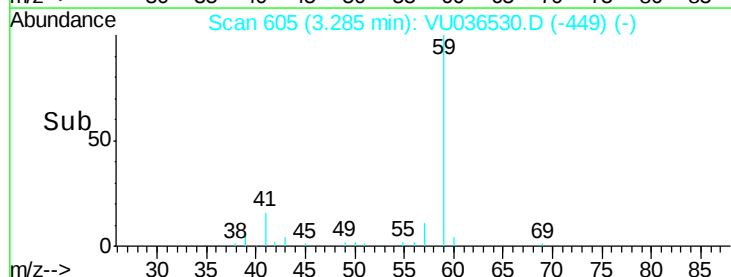
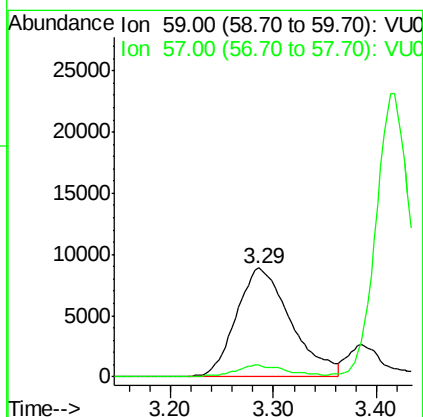
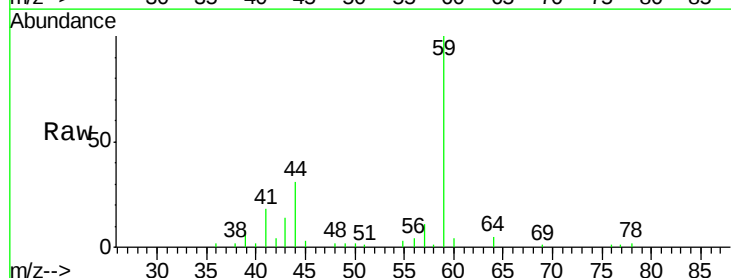
RT: 3.29 min Scan# 605

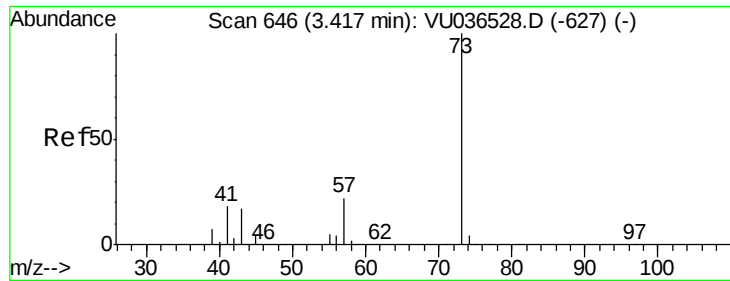
Delta R.T. 0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	59	Resp:	32698
Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6





#25

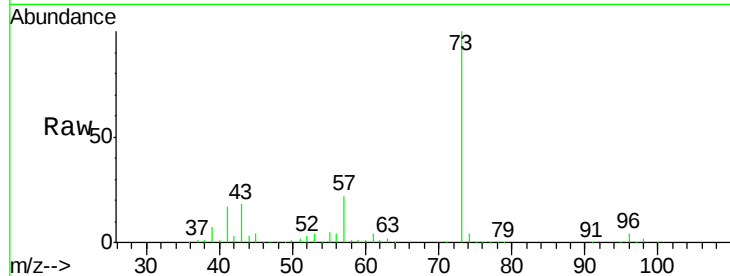
Methvl tert-Butvl Ether
 Concen: 9.522 ug/l
 RT: 3.42 min Scan# 646
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

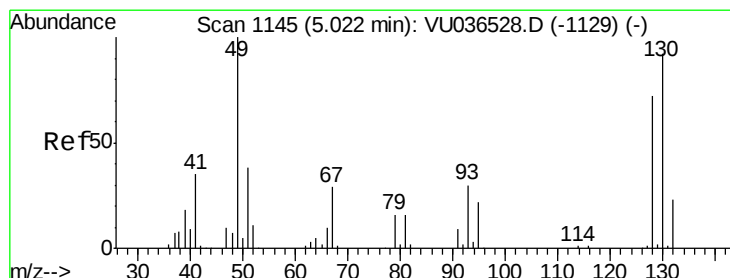
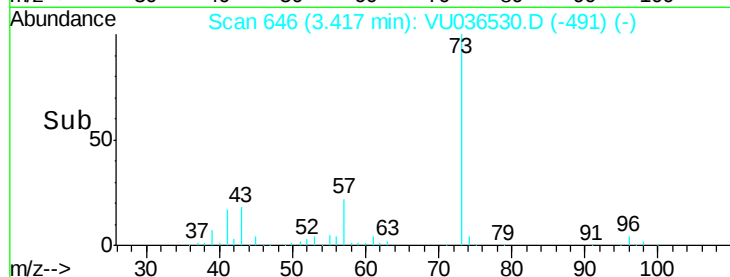
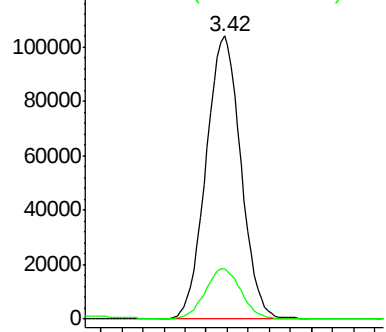
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.5	21.7

Manual Integrations
 APPROVED

apatel
 1/23/2020 3:21:42 PM



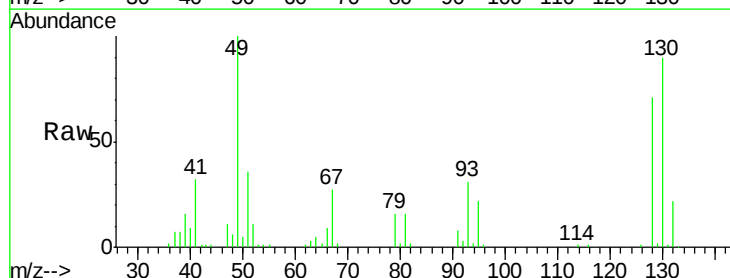
Abundance Ion 73.00 (72.70 to 73.70): VU036530.D (-491) (-)
 Ion 43.00 (42.70 to 43.70): VU036530.D (-491) (-)



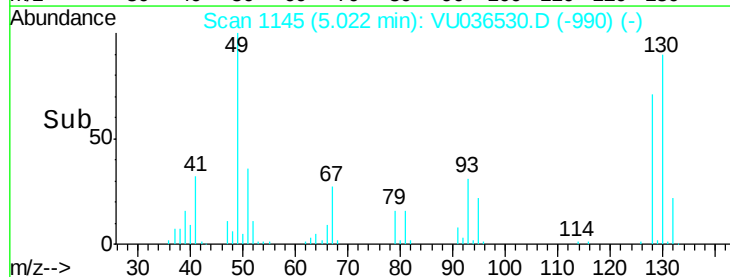
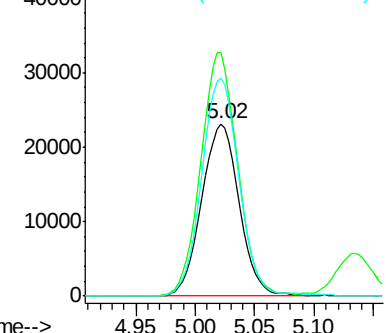
#26

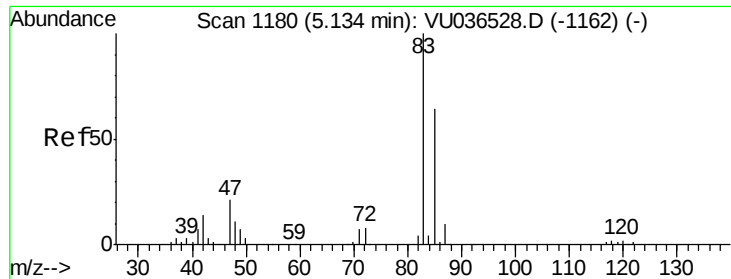
Bromochloromethane
 Concen: 10.661 ug/l
 RT: 5.02 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
128	100		
49	138.4	0.0	286.2
130	126.2	104.3	156.5



Abundance Ion 128.00 (127.70 to 128.70): VU036530.D (-990) (-)
 Ion 49.00 (48.70 to 49.70): VU036530.D (-990) (-)
 Ion 130.00 (129.70 to 130.70): VU036530.D (-990) (-)





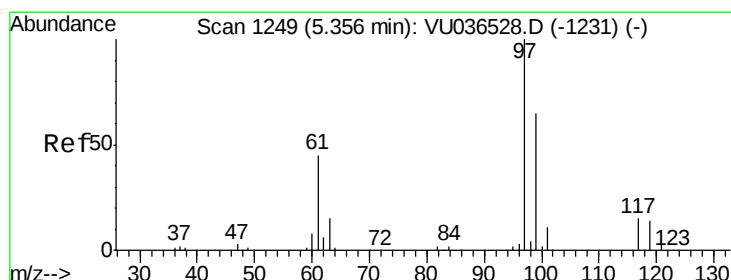
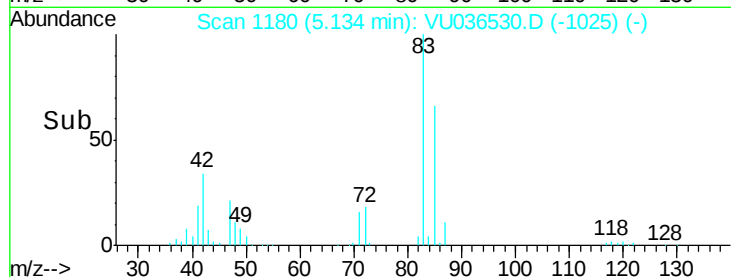
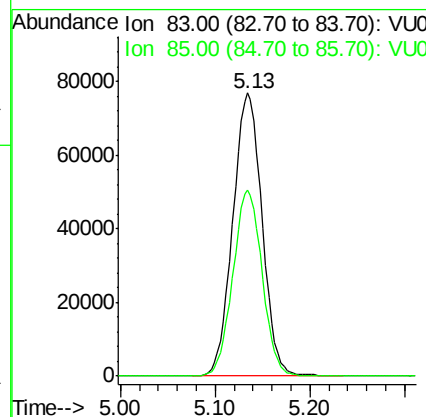
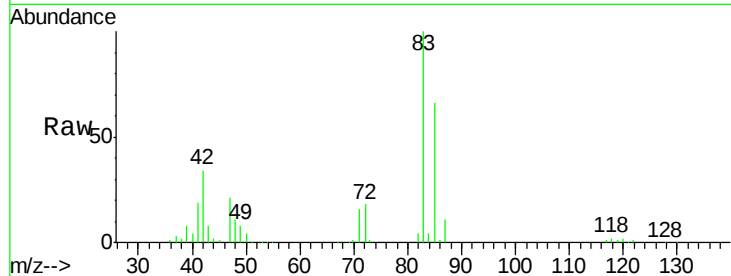
#27
Chloroform
Concen: 9.707 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	83	Resp	165284
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	0.0	129.0

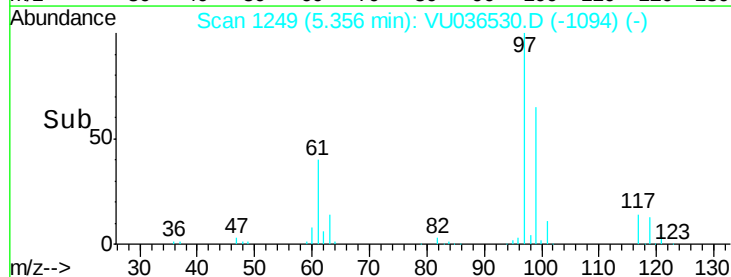
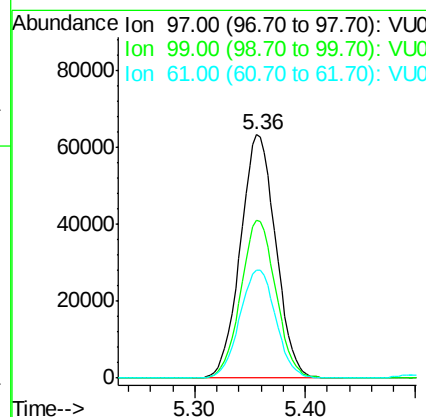
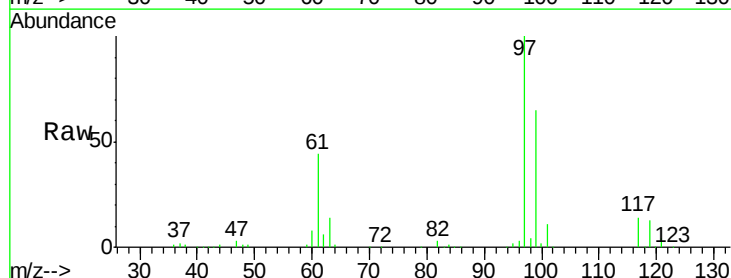
Manual Integrations
APPROVED

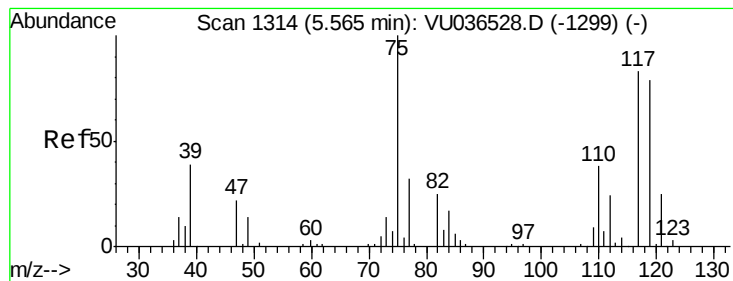
apatel
1/23/2020 3:21:42 PM



#28
1,1,1-Trichloroethane
Concen: 9.815 ug/l
RT: 5.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	97	Resp	140127
Ion Ratio	100	Lower	Upper
97	100		
99	64.5	32.1	96.3
61	45.5	22.7	68.0





#29

1,1-Dichloropropene

Concen: 9.610 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

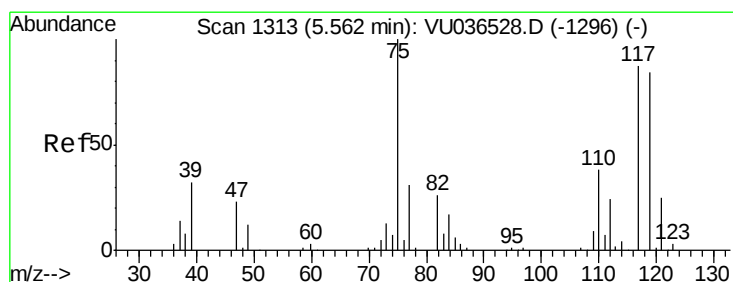
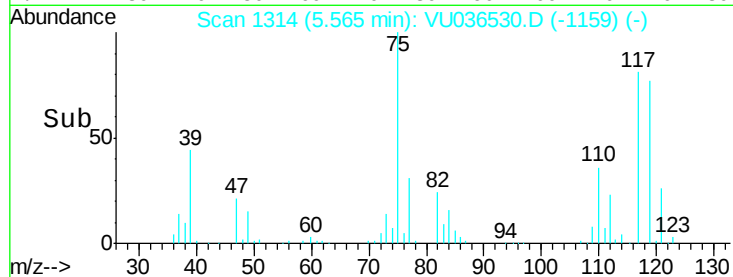
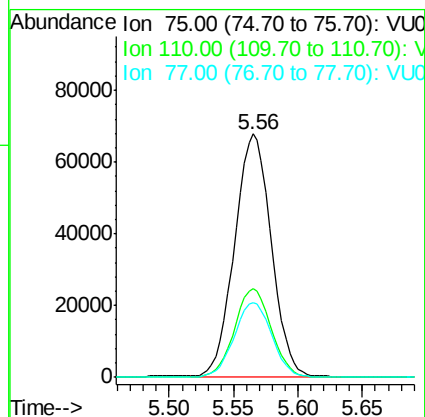
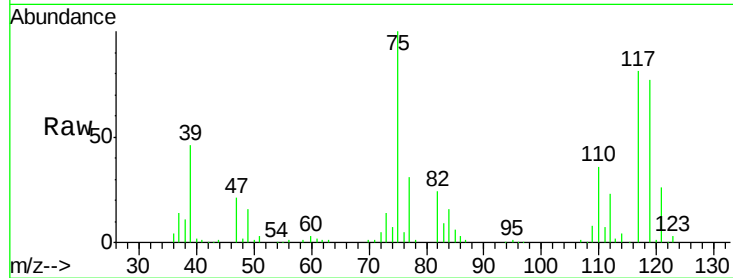
ClientSampleId :

ICVVU012220

Tot Ion:	75	Resp:	133913
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.6	55.8
77	31.1	25.0	37.4

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#30

Carbon Tetrachloride

Concen: 9.837 ug/l

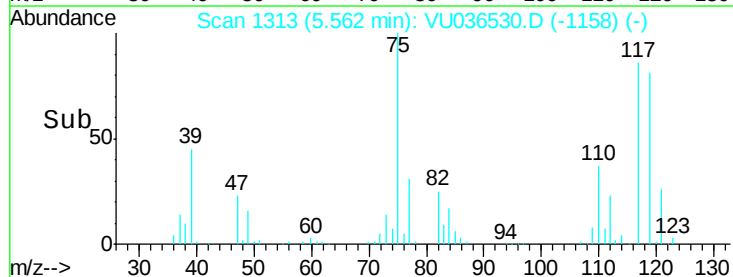
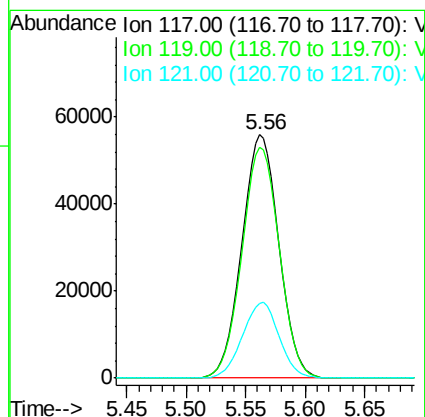
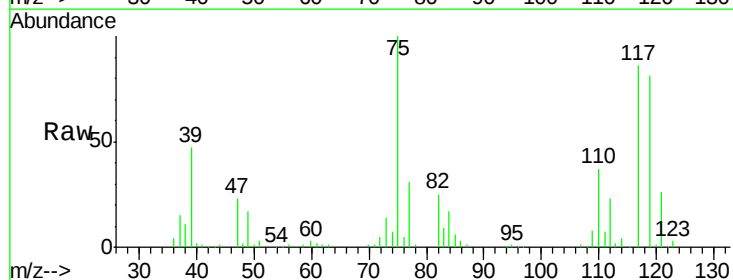
RT: 5.56 min Scan# 1313

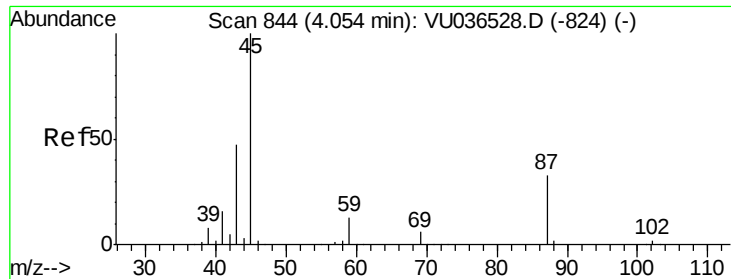
Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	117	Resp:	120265
Ion Ratio	Lower	Upper	
117	100		
119	95.1	77.0	115.6
121	30.9	23.3	34.9





#31

Isopropyl Ether

Concen: 9.916 ug/l

RT: 4.05 min Scan# 844

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 45 Resp: 259100

Ion Ratio Lower Upper

45 100

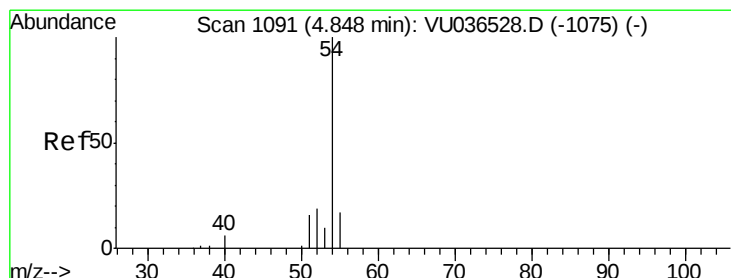
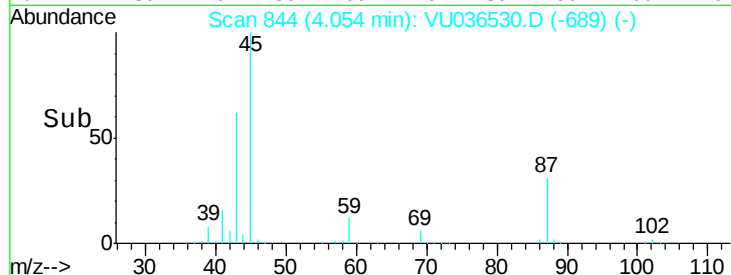
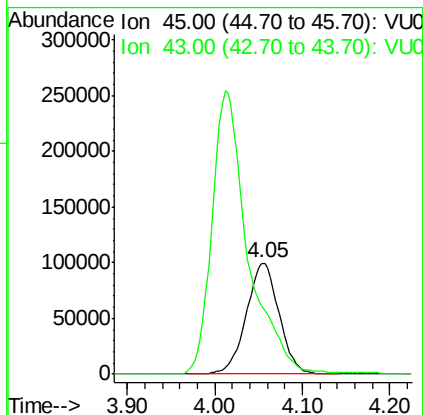
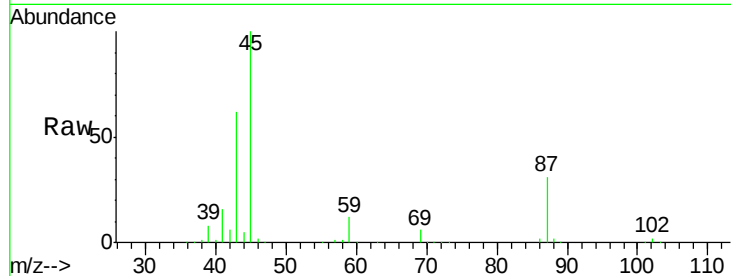
43 280.1 24.0 72.0#

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



#34

Propionitrile

Concen: 106.363 ug/l

RT: 4.85 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion: 54 Resp: 77311

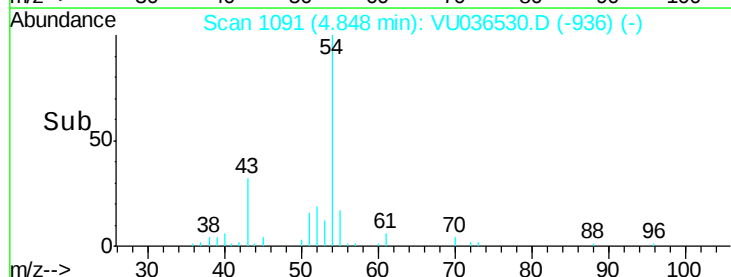
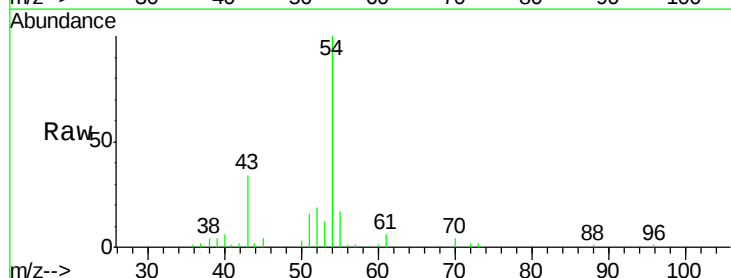
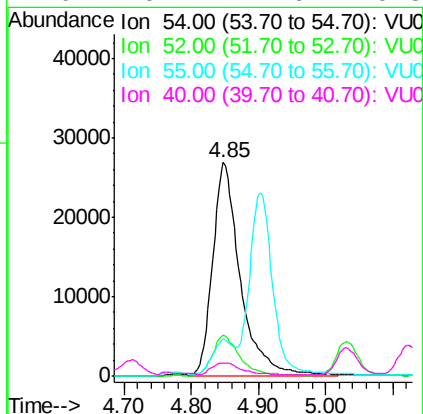
Ion Ratio Lower Upper

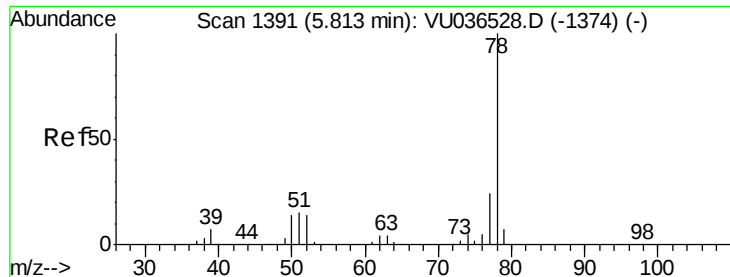
54 100

52 19.2 15.2 22.8

55 12.9 9.5 14.3

40 6.1 4.6 6.8





#35

Benzene

Concen: 9.772 ug/l

RT: 5.81 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 78 Resp: 394307

Ion Ratio Lower Upper

78 100

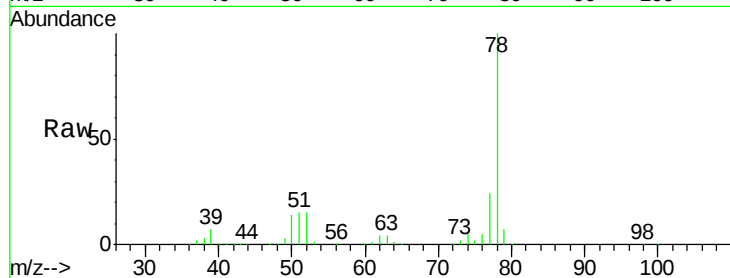
77 24.1 19.4 29.0

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



Abundance Ion 78.10 (77.80 to 78.80): VU036530.D (-1236) (-)

Ion 77.00 (76.70 to 77.70): VU036530.D (-1236) (-)

200000

150000

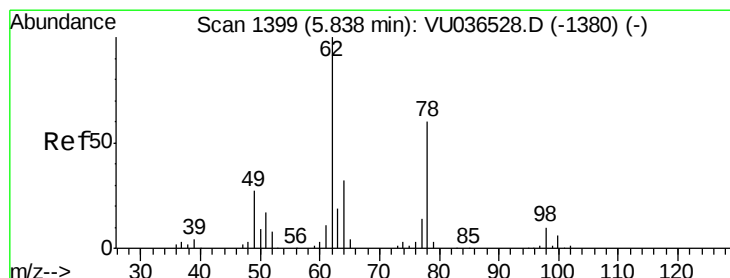
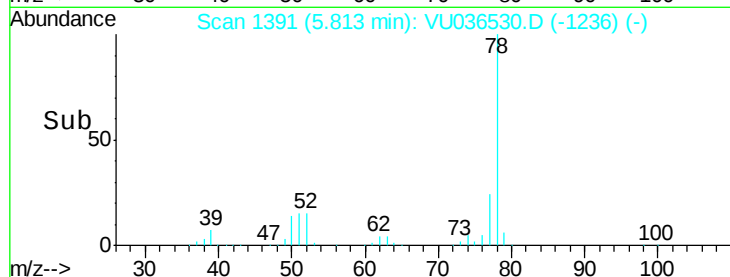
100000

50000

0

5.70 5.80 5.90

Time-->



#36

1,2-Dichloroethane

Concen: 9.837 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. -0.00 min

Lab File: VU036530.D

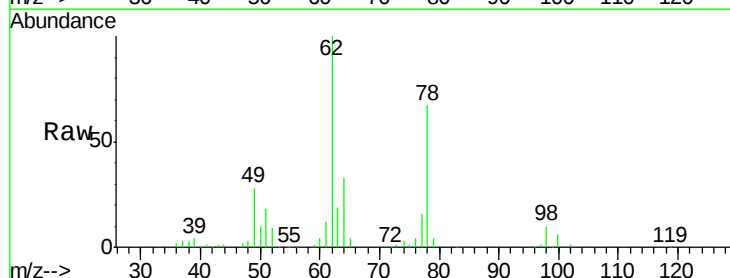
Acq: 22 Jan 2020 17:38

Tgt Ion: 62 Resp: 106849

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8



Abundance Ion 62.00 (61.70 to 62.70): VU036530.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VU036530.D (-1244) (-)

60000

50000

40000

30000

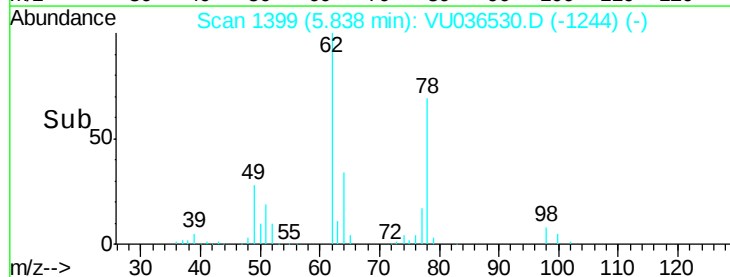
20000

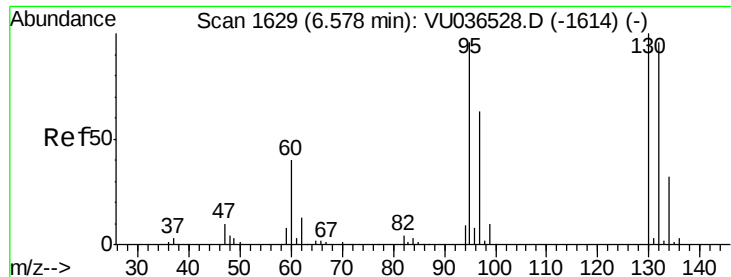
10000

0

5.70 5.80 5.90

Time-->





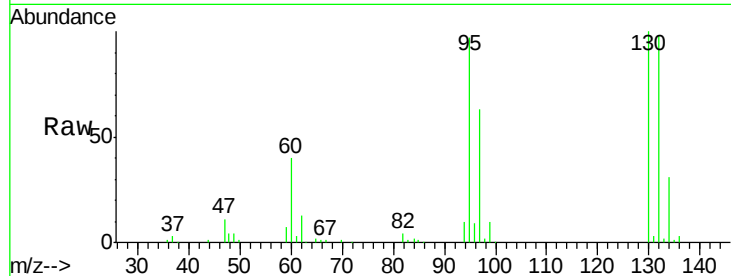
#37
 Trichloroethene
 Concen: 9.803 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

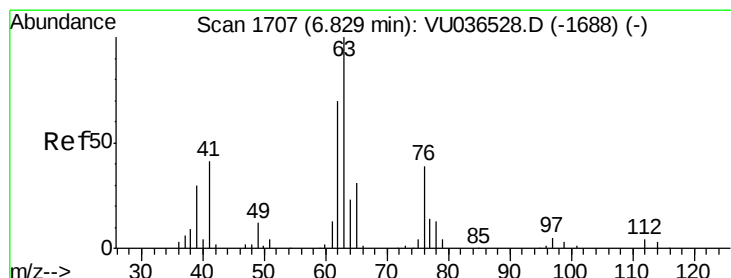
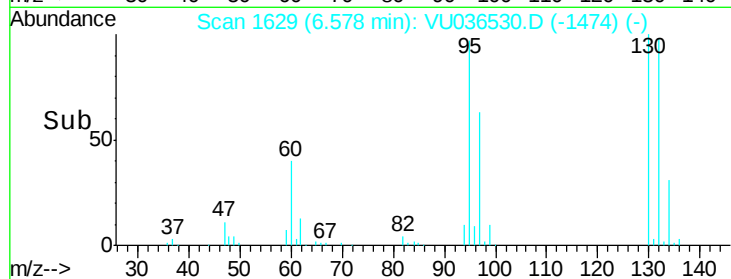
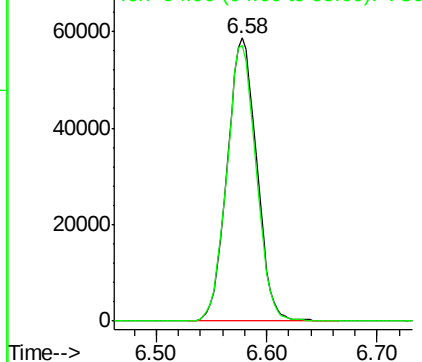
Tot Ion:130 Resp: 109209
 Ion Ratio Lower Upper
 130 100
 95 97.2 77.0 115.4

Manual Integrations
 APPROVED

apatel
 1/23/2020 3:21:42 PM

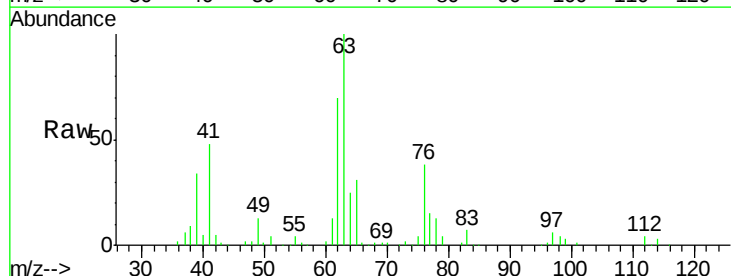


Abundance Ion 129.90 (129.60 to 130.60): VU036530.D (-1474) (-)
 Ion 94.90 (94.60 to 95.60): VU036530.D (-1474) (-)

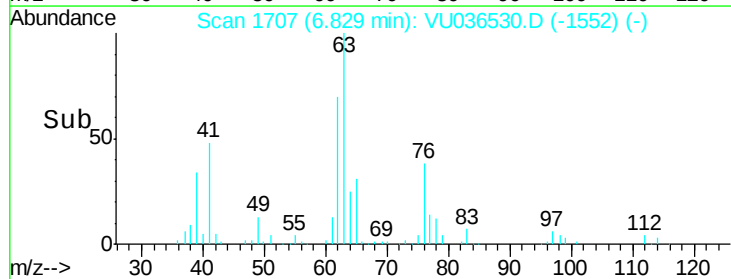
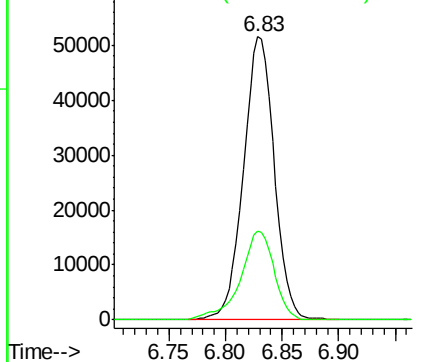


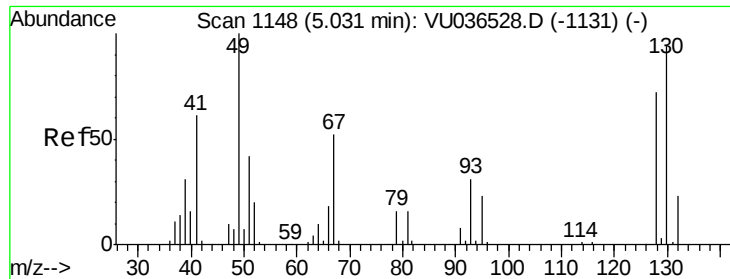
#38
 1,2-Dichloropropane
 Concen: 9.645 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion: 63 Resp: 97852
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.7 37.1



Abundance Ion 63.00 (62.70 to 63.70): VU036530.D (-1552) (-)
 Ion 65.00 (64.70 to 65.70): VU036530.D (-1552) (-)





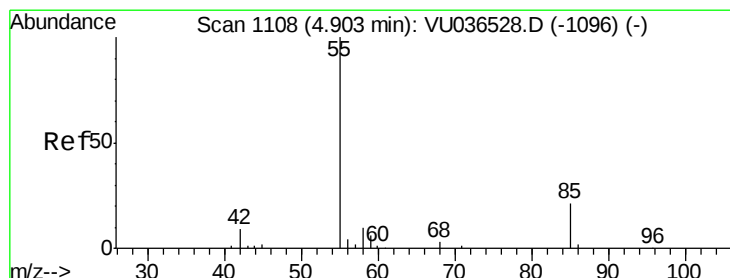
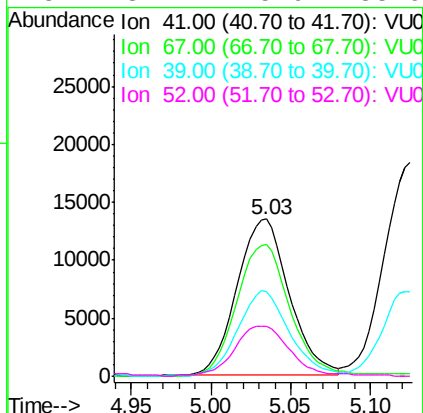
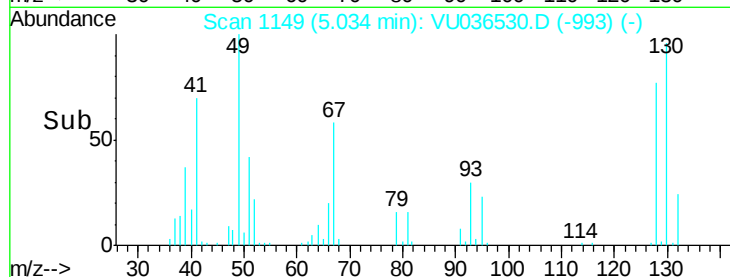
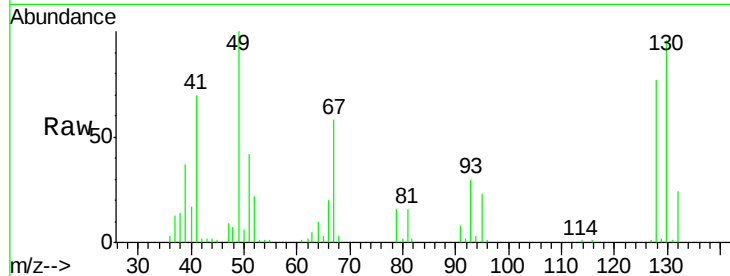
#39
Methacrylonitrile
Concen: 9.839 ug/l
RT: 5.03 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	41	Resp	30056
Ion	Ratio	Lower	Upper
41	100		
67	86.5	69.6	104.4
39	54.1	41.6	62.4
52	34.2	25.9	38.9

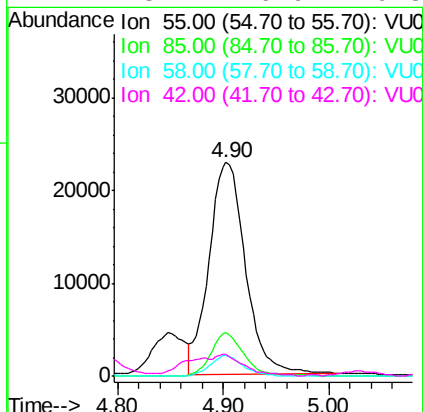
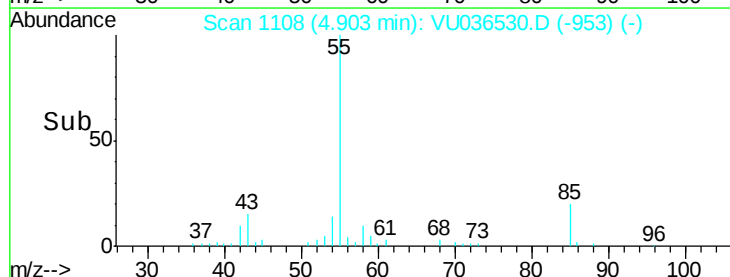
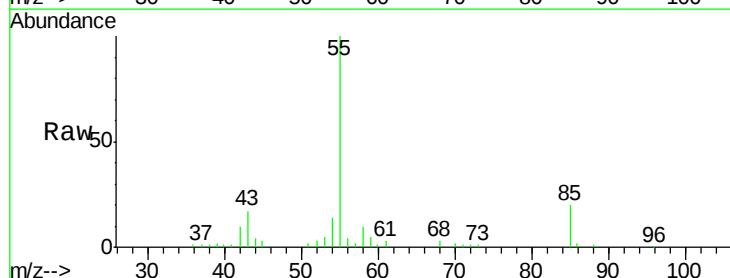
Manual Integrations
APPROVED

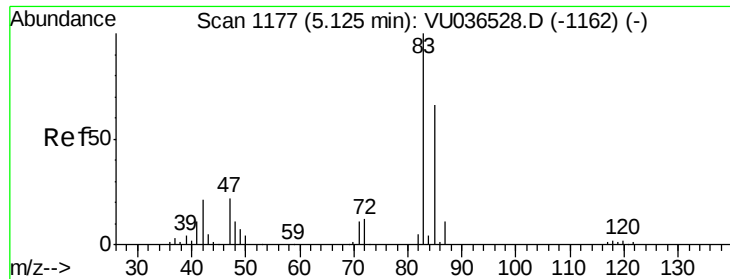
apatel
1/23/2020 3:21:42 PM



#40
Methyl acrylate
Concen: 11.309 ug/l
RT: 4.90 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	55	Resp	54754
Ion	Ratio	Lower	Upper
55	100		
85	18.0	14.7	22.1
58	8.5	7.1	10.7
42	8.1	6.9	10.3





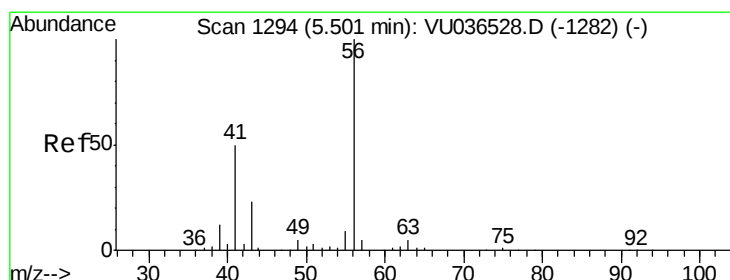
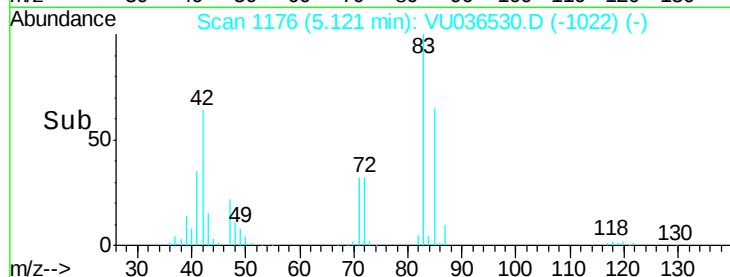
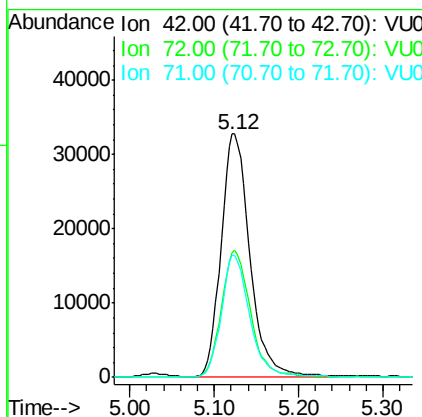
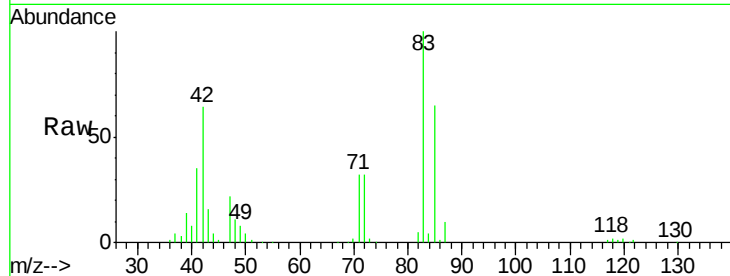
#41
Tetrahydrofuran
Concen: 46.925 ug/l
RT: 5.12 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.6	42.5	63.7
71	49.5	37.3	55.9

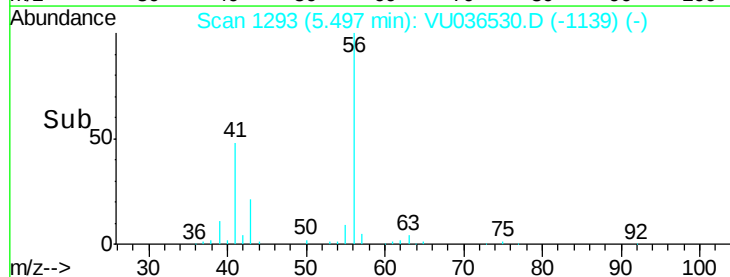
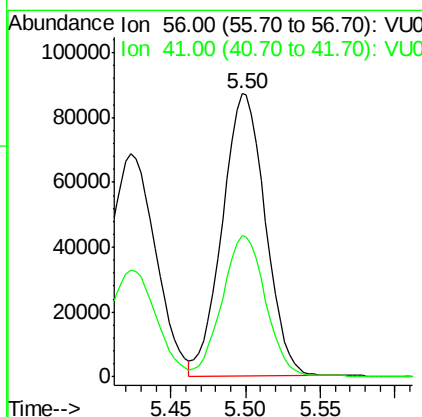
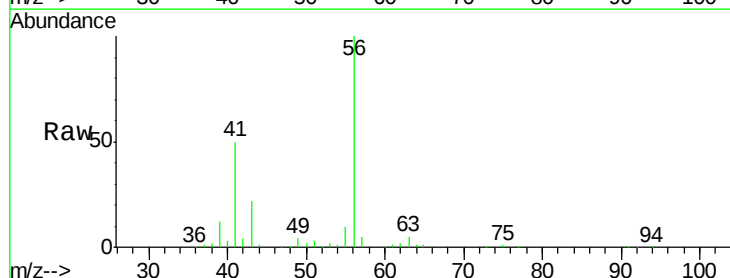
Manual Integrations
APPROVED

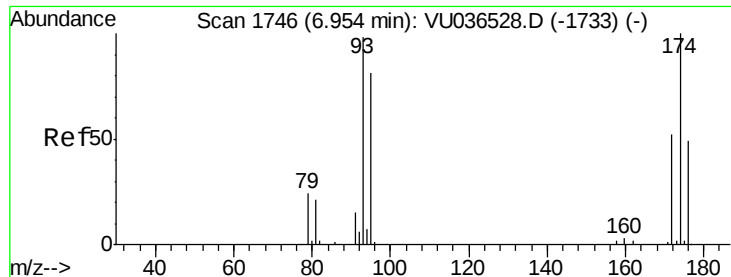
apatel
1/23/2020 3:21:42 PM



#42
1-Chlorobutane
Concen: 9.658 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
56	100		
41	50.1	24.8	74.3





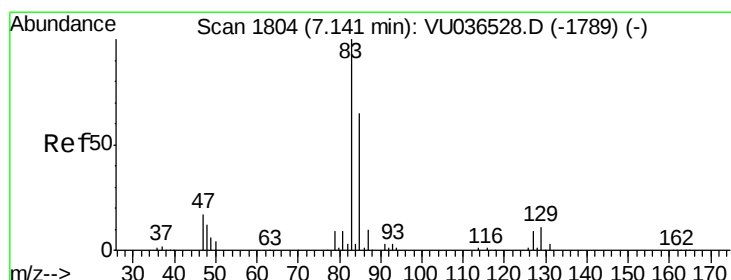
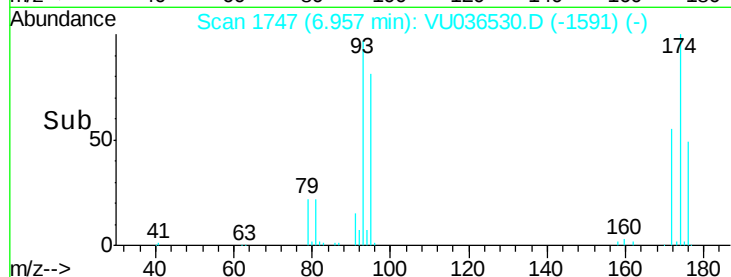
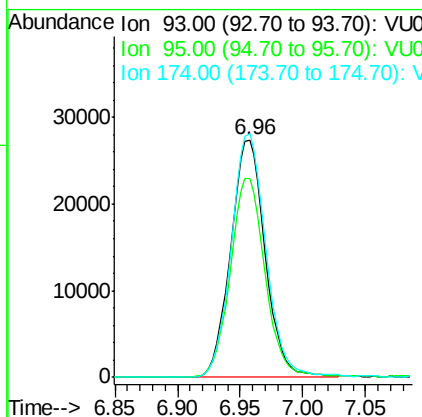
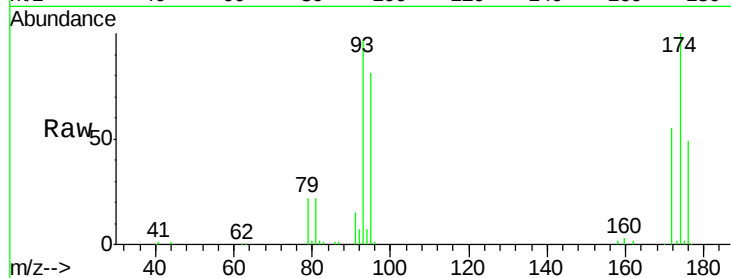
#43
 Dibromomethane
 Concen: 9.906 ug/l
 RT: 6.96 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.3	67.9	101.9
174	102.8	83.4	125.0

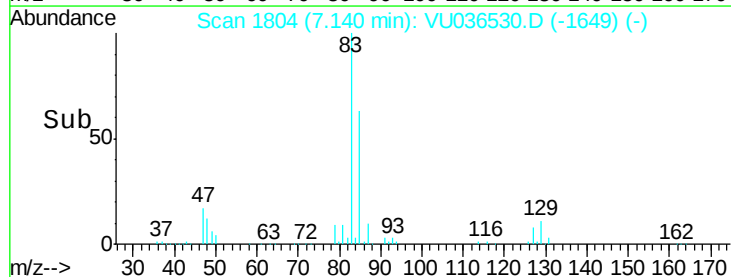
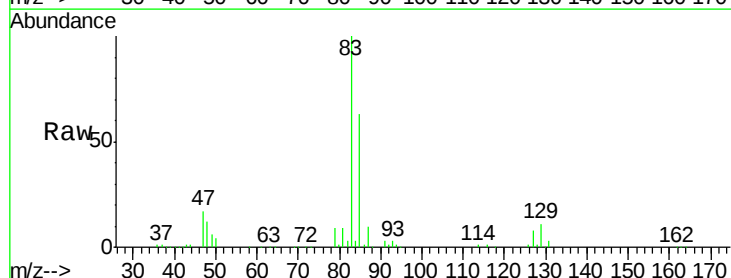
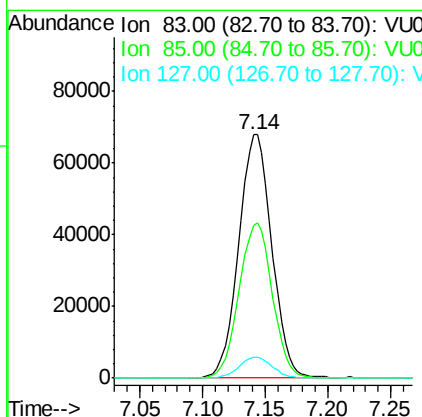
Manual Integrations
 APPROVED

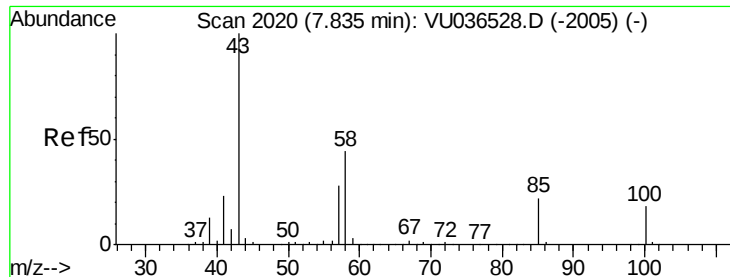
apatel
 1/23/2020 3:21:42 PM



#44
 Bromodichloromethane
 Concen: 9.916 ug/l
 RT: 7.14 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6
127	8.4	6.8	10.2





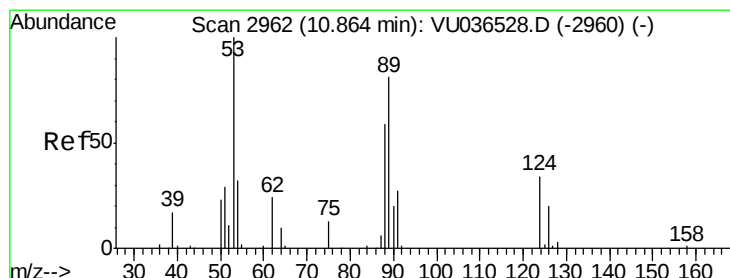
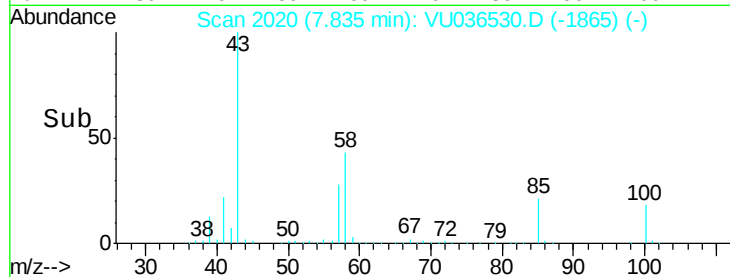
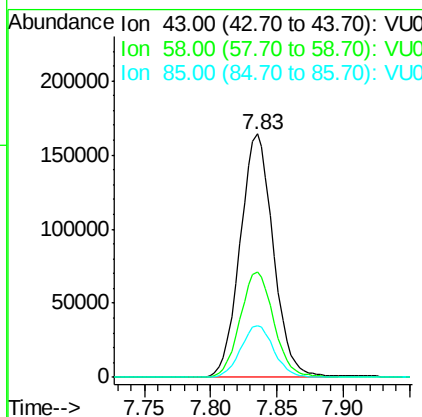
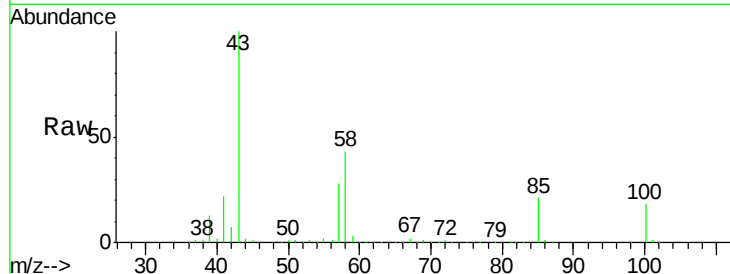
#45
4-Methyl-2-Pentanone
Concen: 47.905 ug/l
RT: 7.83 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ratio	Resp	Lower	Upper
43	100	285791		
58	44.2		22.1	66.1
85	21.5		17.4	26.0

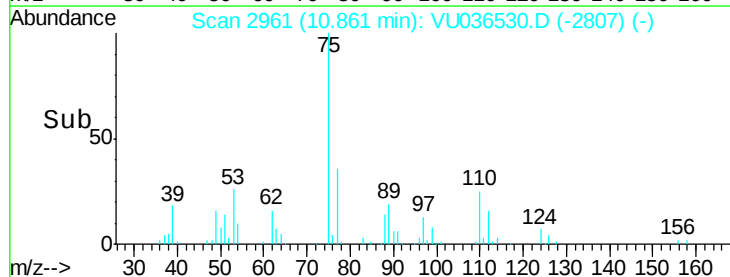
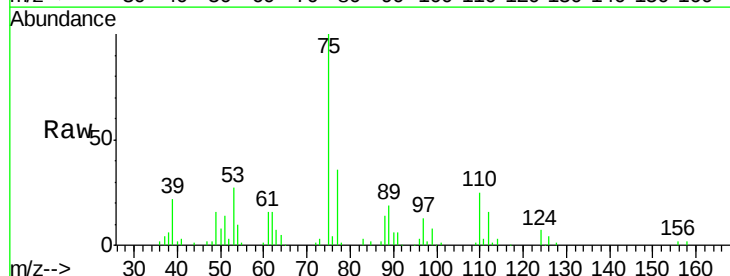
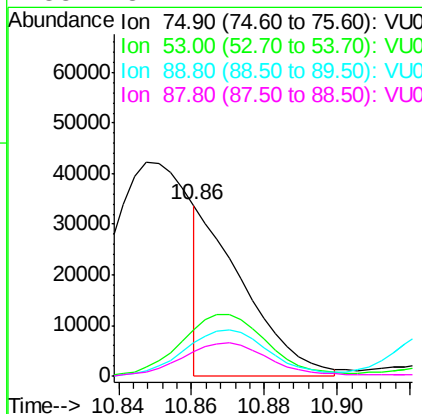
Manual Integrations
APPROVED

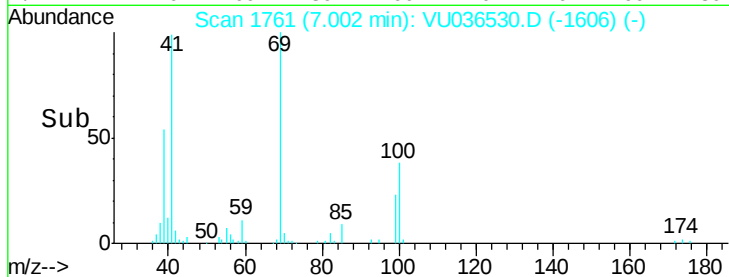
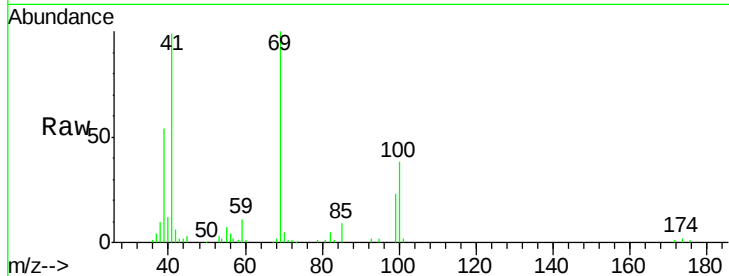
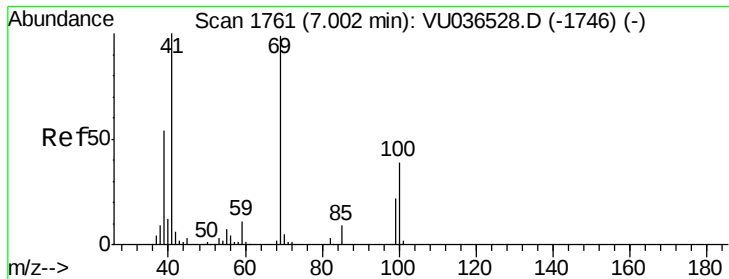
apatel
1/23/2020 3:21:42 PM



#46
t-1,4-Dichloro-2-butene
Concen: 11.000 ug/l m
RT: 10.86 min Scan# 2961
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	28901		
53	69.7		52.2	78.2
89	51.1		39.8	59.6
88	37.2		27.4	41.2





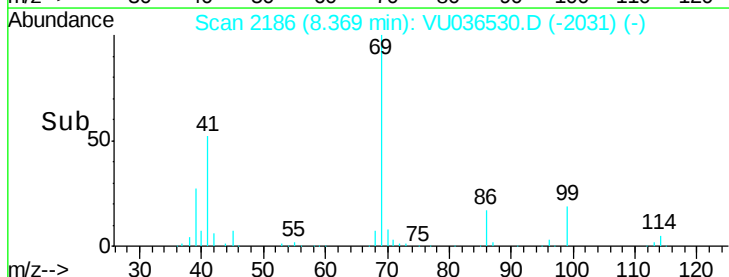
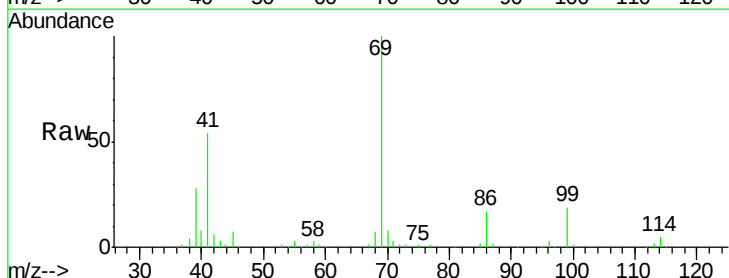
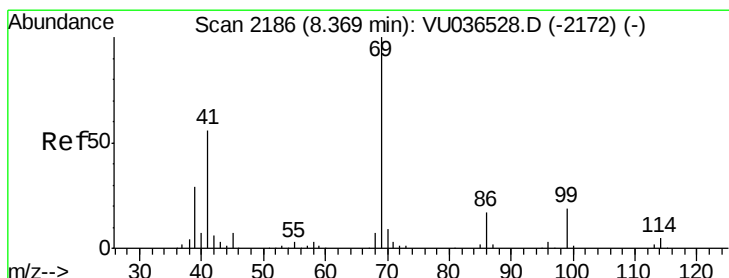
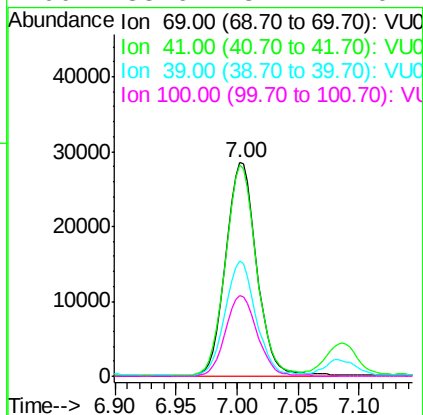
#47
Methyl methacrylate
Concen: 9.858 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	97.0	0.0	200.8		
39	54.0	43.5	65.3		
100	38.6	31.1	46.7		

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

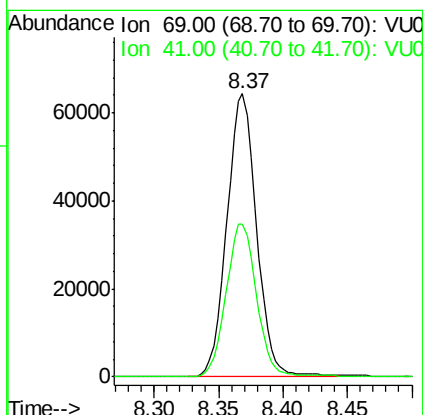
Manual Integrations
APPROVED

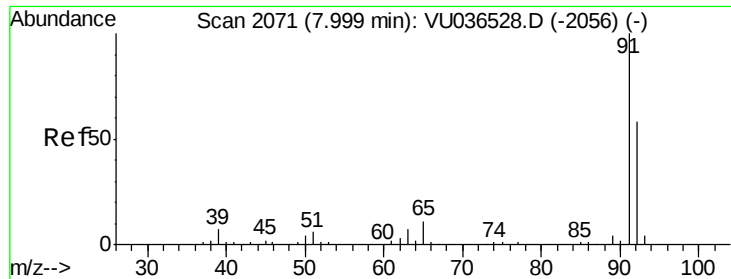
apatel
1/23/2020 3:21:42 PM



#48
Ethyl methacrylate
Concen: 10.261 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	55.4	27.9	83.6		





#49

Toluene

Concen: 9.783 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 92 Resp: 251966

Ion Ratio Lower Upper

92 100

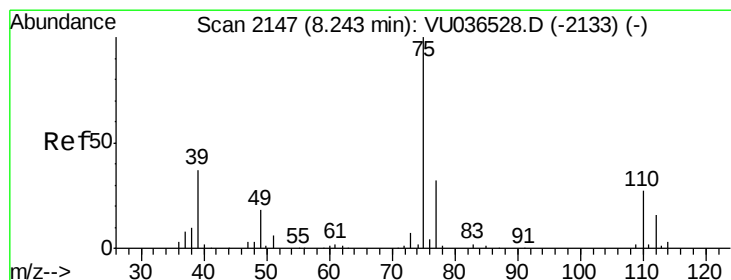
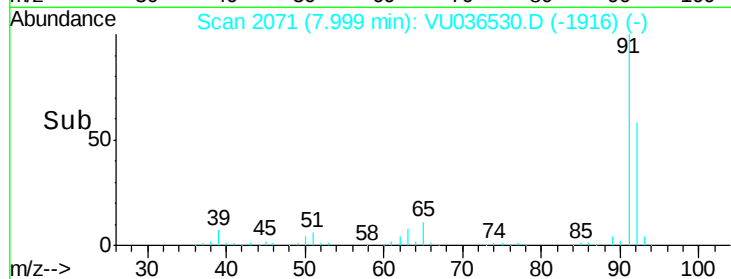
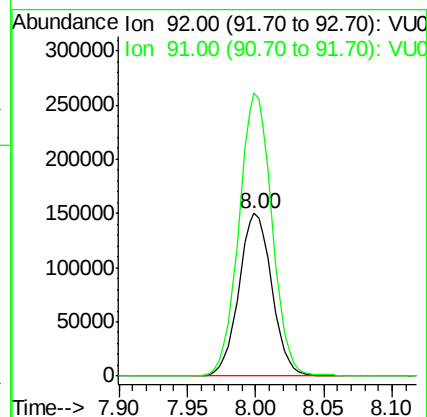
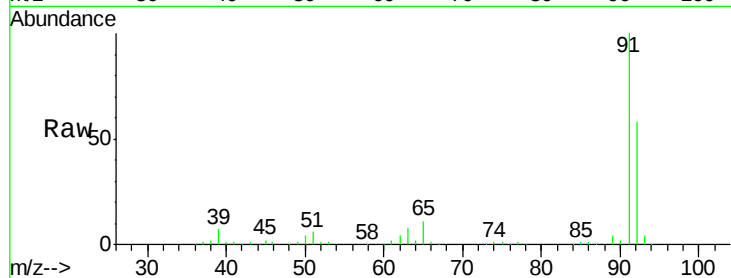
91 174.0 139.1 208.7

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



#50

t-1,3-Dichloropropene

Concen: 10.432 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036530.D

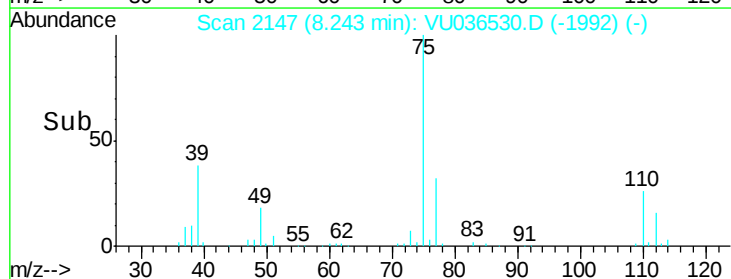
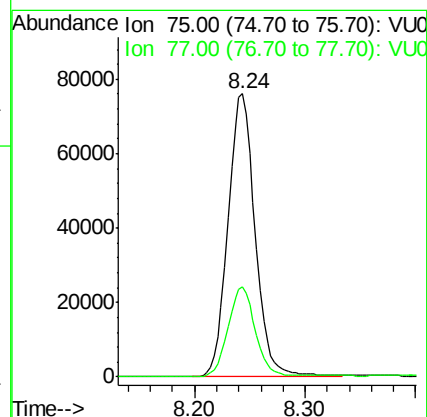
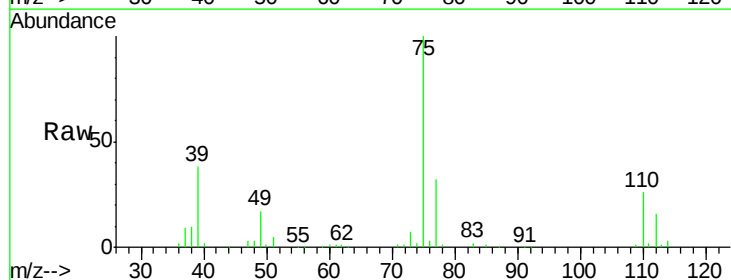
Acq: 22 Jan 2020 17:38

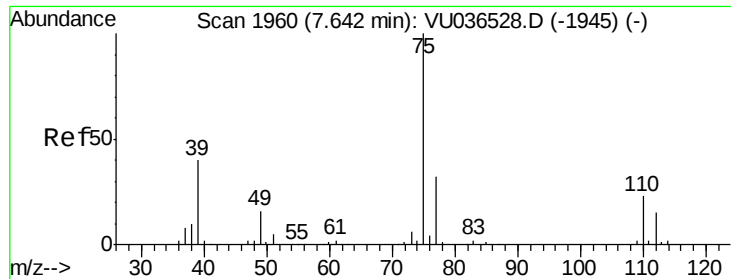
Tgt Ion: 75 Resp: 130201

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2





#51

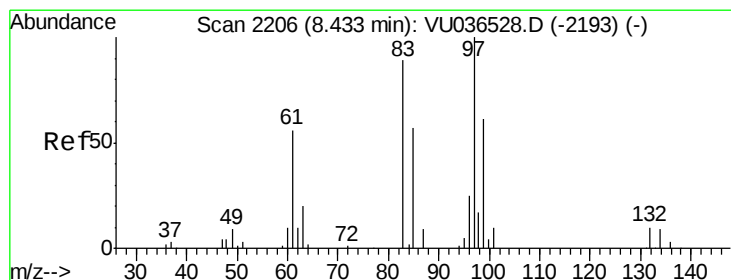
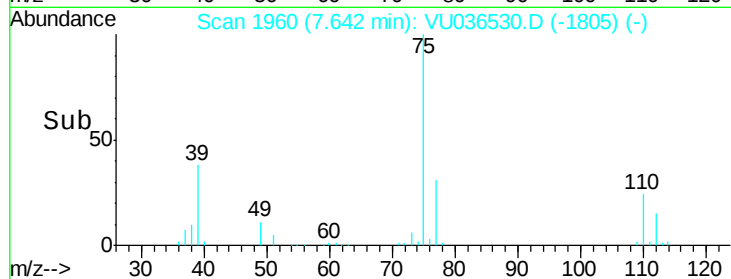
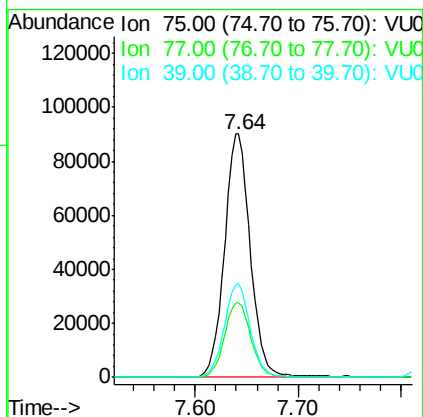
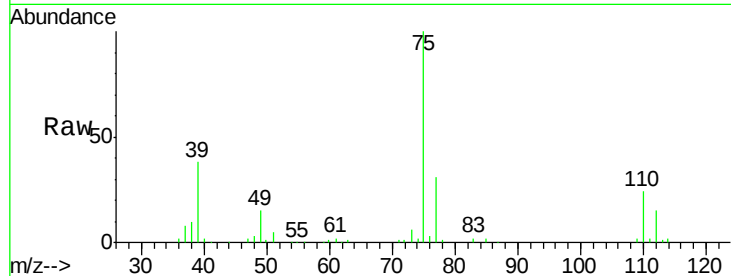
cis-1,3-Dichloropropene
Concen: 10.373 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	38.5	31.8	47.6

Manual Integrations
APPROVED

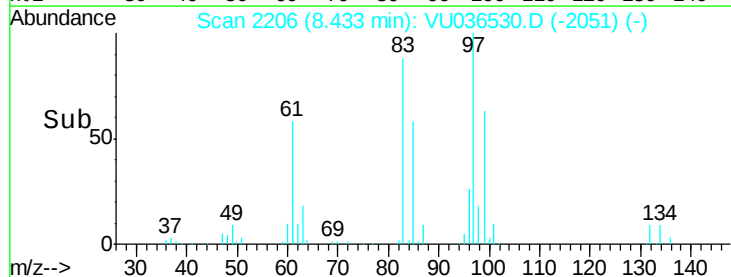
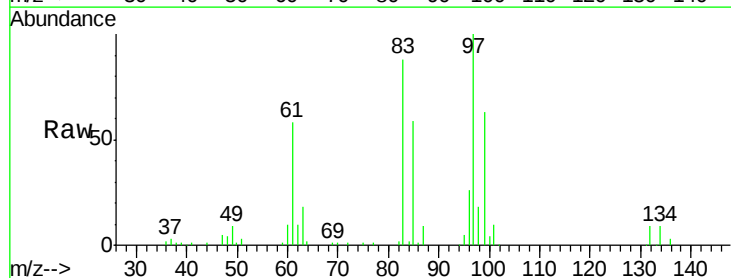
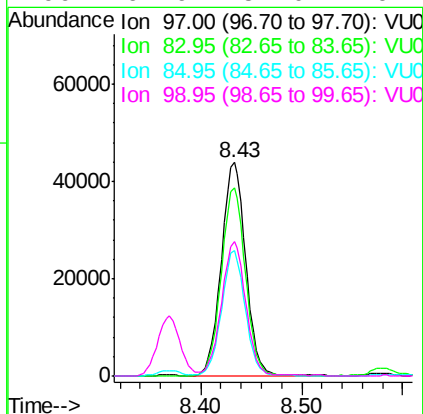
apatel
1/23/2020 3:21:42 PM

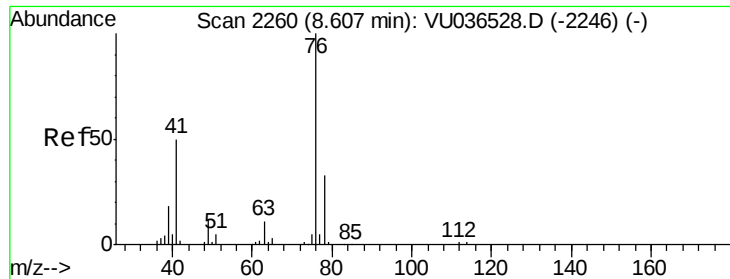


#52

1,1,2-Trichloroethane
Concen: 9.921 ug/l
RT: 8.43 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.9	106.3
85	58.4	45.6	68.4
99	62.9	51.0	76.4





#53

1,3-Dichloropropane

Concen: 9.860 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 76 Resp: 126965

Ion Ratio Lower Upper

76 100

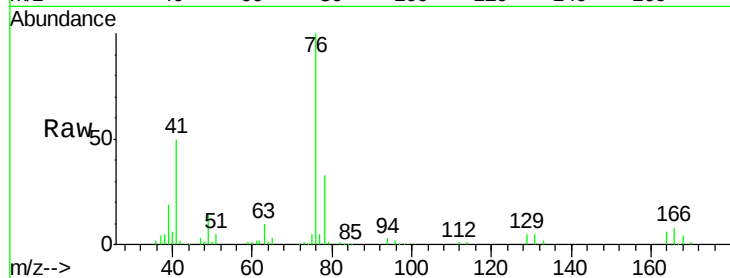
78 32.9 25.4 38.2

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



Abundance Ion 76.00 (75.70 to 76.70): VU036530.D (-2105) (-)

Ion 78.00 (77.70 to 78.70): VU036530.D (-2105) (-)

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

8.61

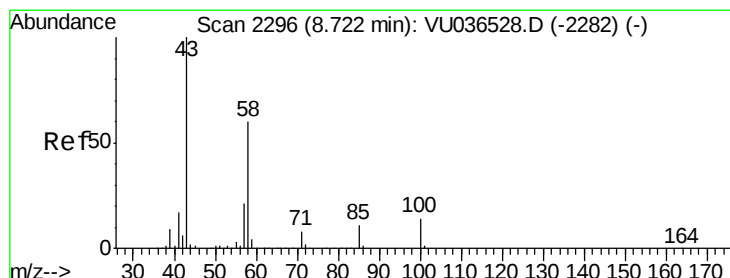
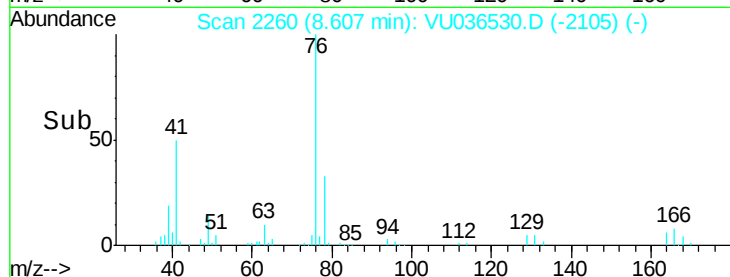
8.61

8.61

8.61

8.61

8.61



#54

2-Hexanone

Concen: 53.795 ug/l

RT: 8.72 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

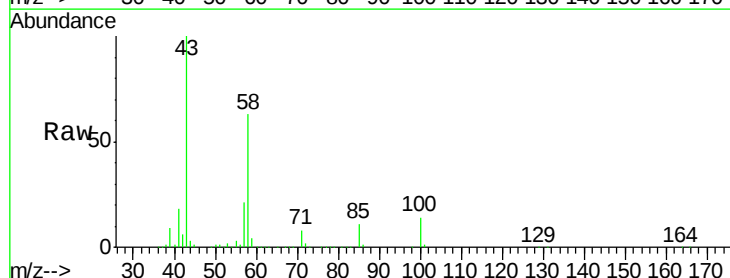
Tgt Ion: 43 Resp: 225070

Ion Ratio Lower Upper

43 100

58 62.3 40.6 80.6

57 21.0 1.2 41.2



Abundance Ion 43.00 (42.70 to 43.70): VU036530.D (-2141) (-)

Ion 58.00 (57.70 to 58.70): VU036530.D (-2141) (-)

Ion 57.00 (56.70 to 57.70): VU036530.D (-2141) (-)

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

8.72

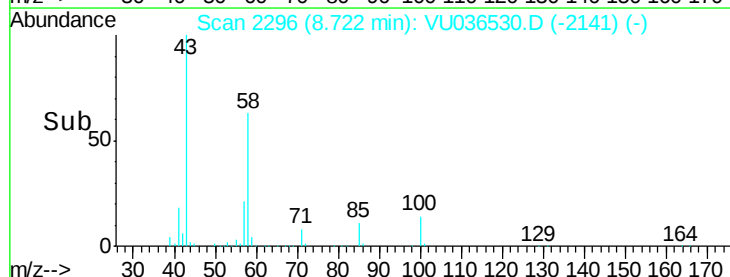
8.72

8.72

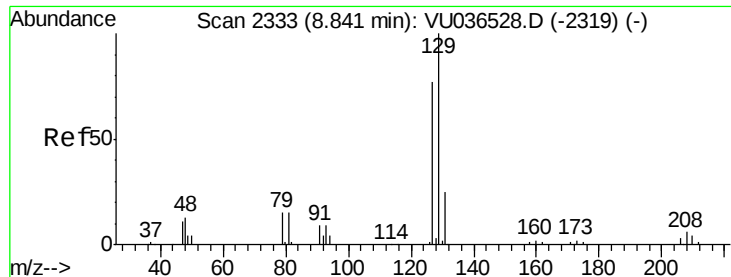
8.72

8.72

8.72



Time-->



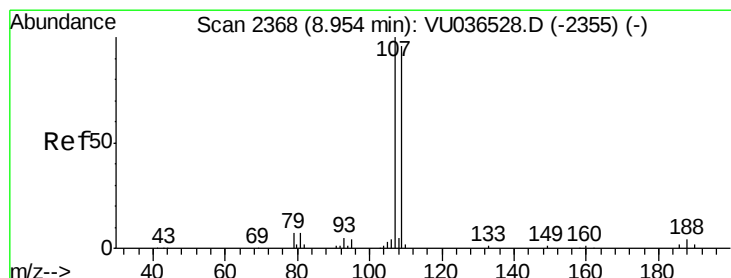
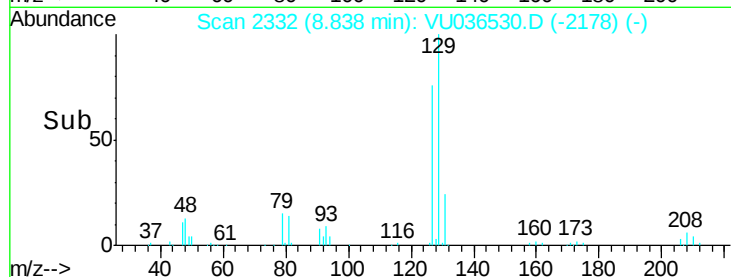
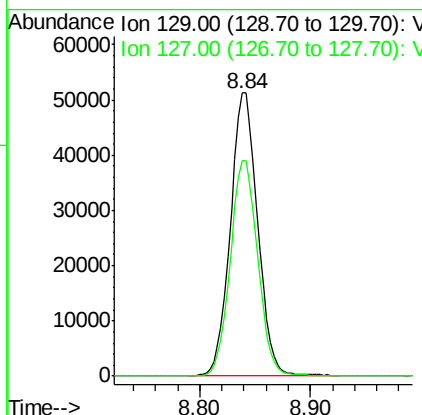
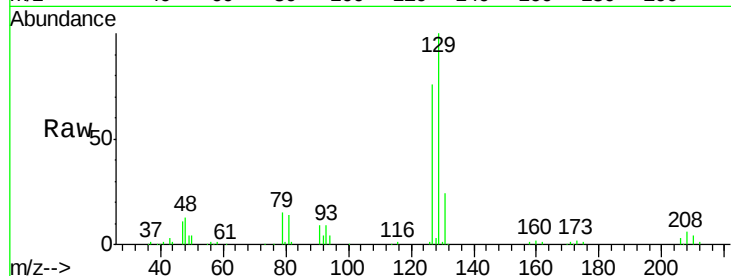
#55
 Dibromochloromethane
 Concen: 10.214 ug/l
 RT: 8.84 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		88350		
127	76.4		62.6		94.0

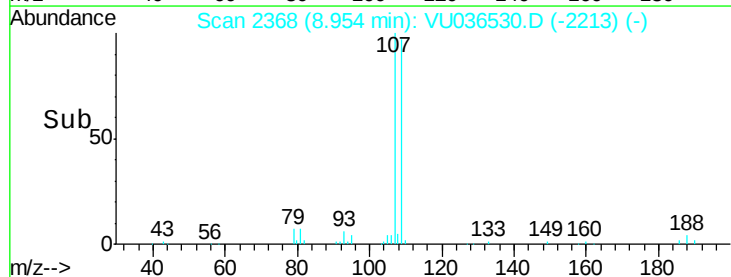
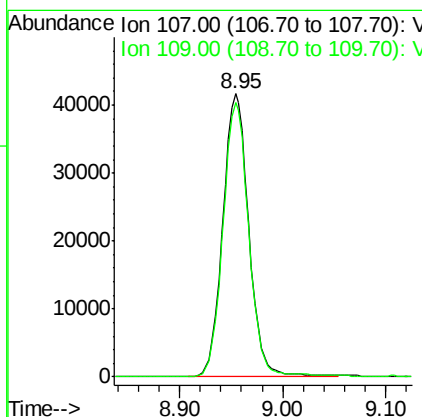
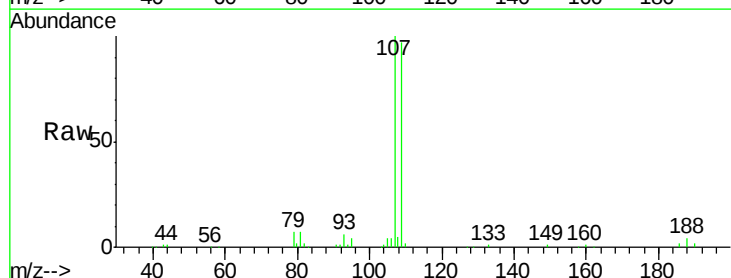
Manual Integrations
 APPROVED

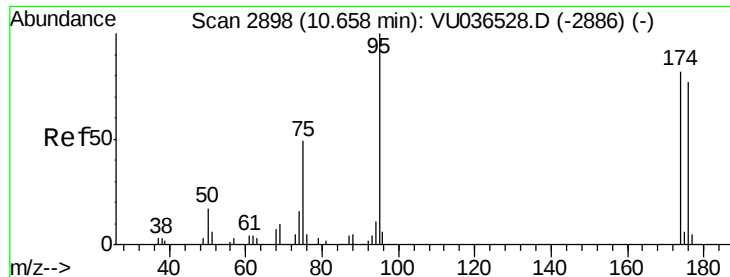
apatel
 1/23/2020 3:21:42 PM



#56
 1,2-Dibromoethane
 Concen: 10.117 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		73190		
109	95.5		0.0		190.8





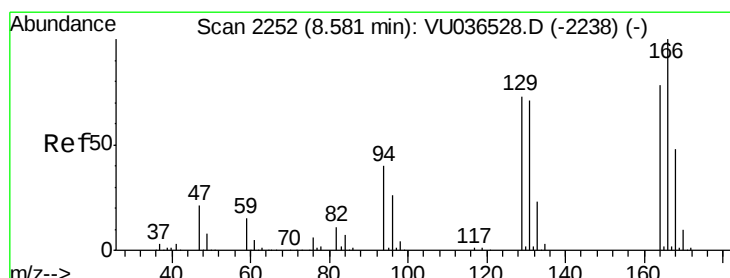
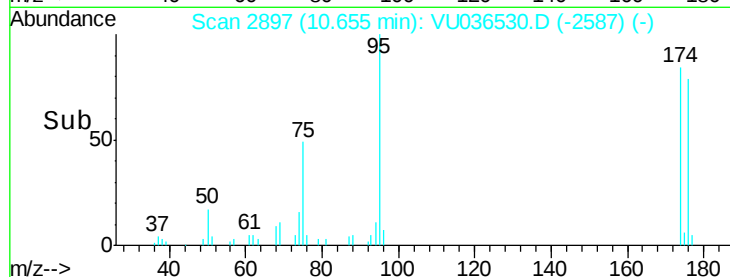
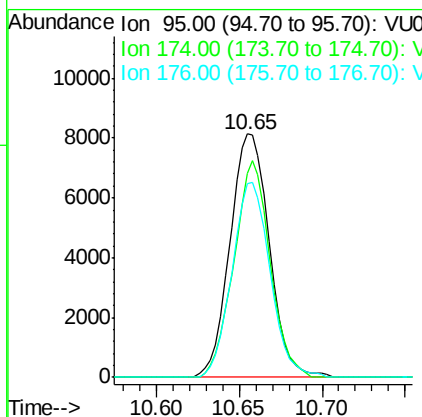
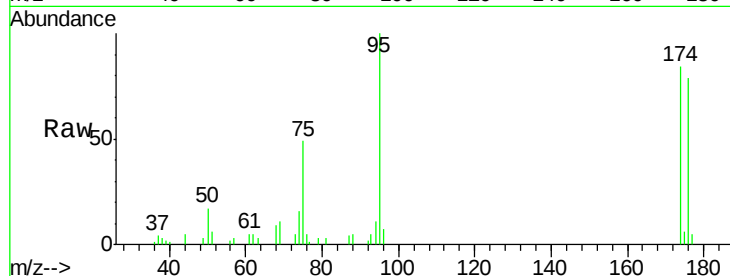
#57
4-Bromofluorobenzene
Concen: 0.976 ug/l
RT: 10.65 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampled :
ICVVU012220

Tot Ion	Ratio	Resp	Lower	Upper
95	100	13416		
174	81.9	64.7	97.1	
176	77.6	60.6	91.0	

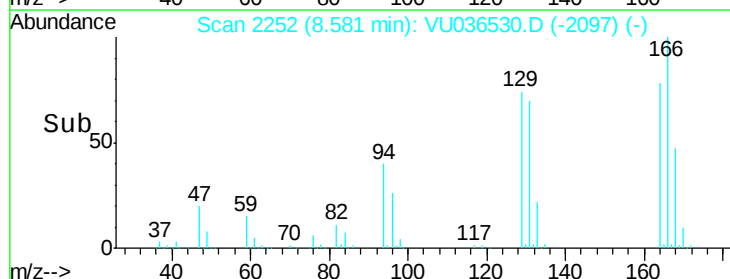
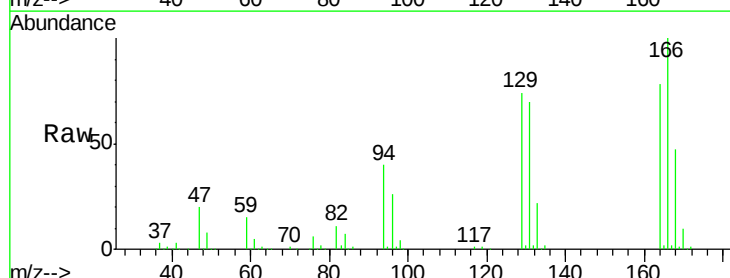
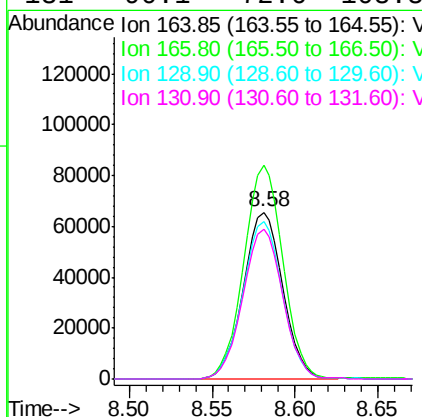
Manual Integrations
APPROVED

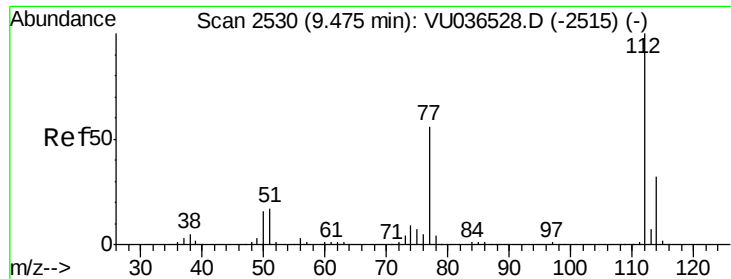
apatel
1/23/2020 3:21:42 PM



#58
Tetrachloroethene
Concen: 9.770 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108779		
166	128.0	102.0	153.0	
129	94.1	74.9	112.3	
131	90.1	72.6	108.8	





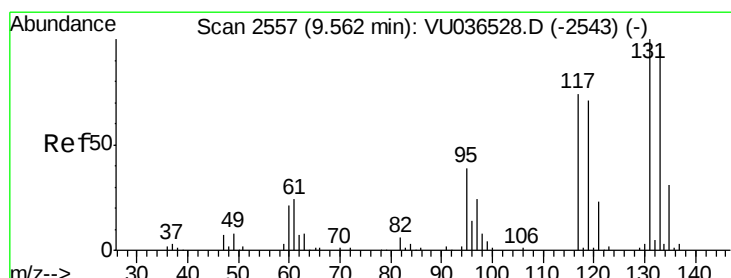
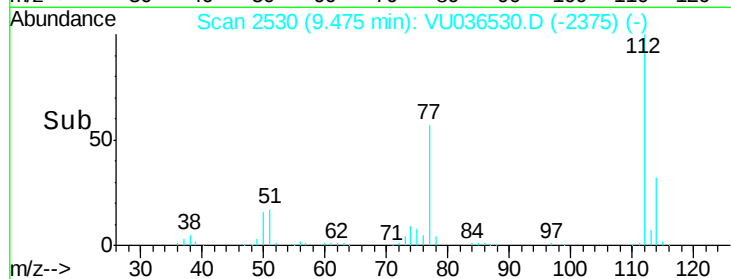
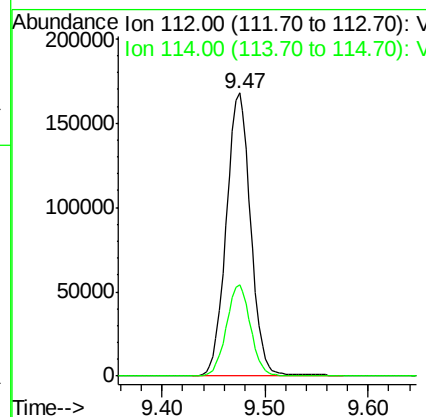
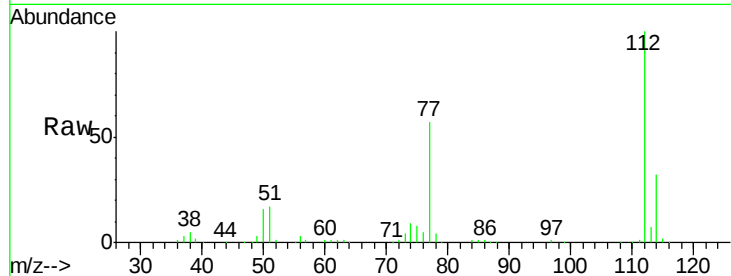
#59
Chlorobenzene
Concen: 9.663 ug/l
RT: 9.47 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.8

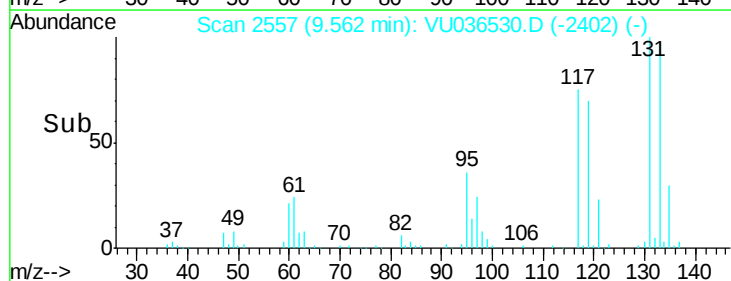
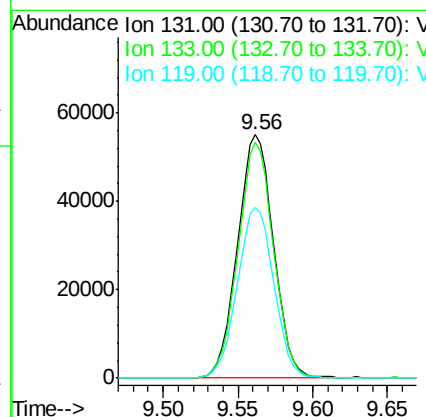
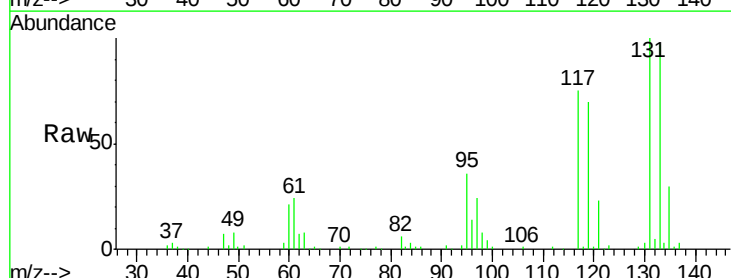
Manual Integrations
APPROVED

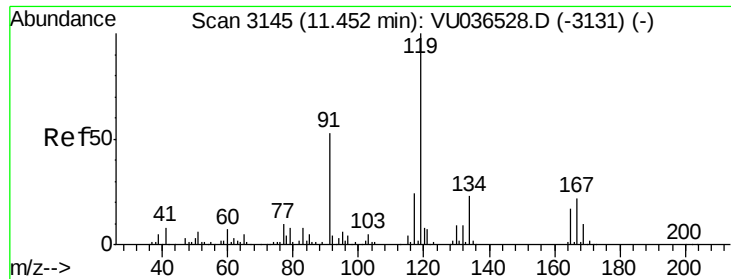
apatel
1/23/2020 3:21:42 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.063 ug/l
RT: 9.56 min Scan# 2557
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.4	114.6
119	71.2	56.6	85.0





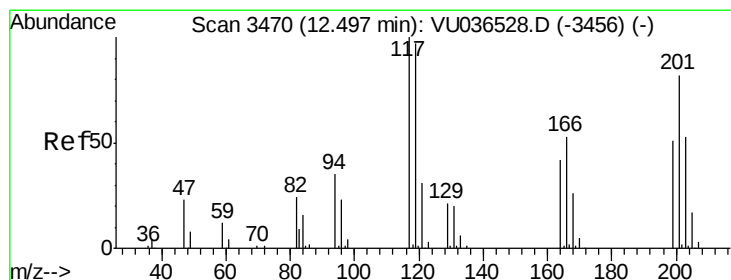
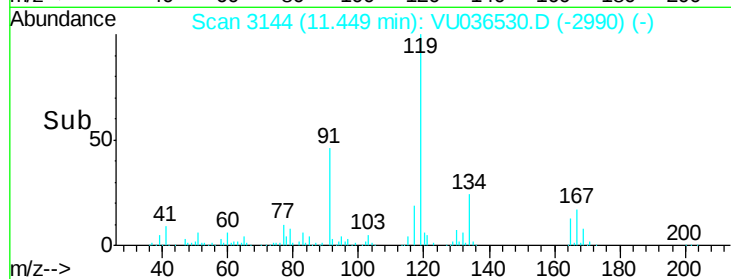
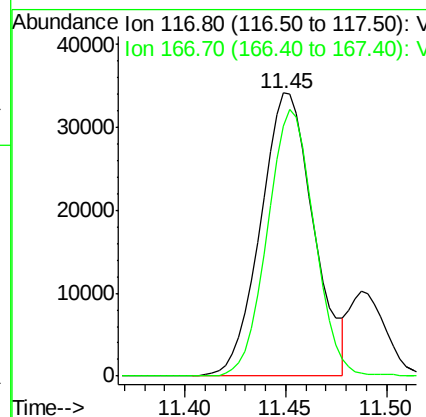
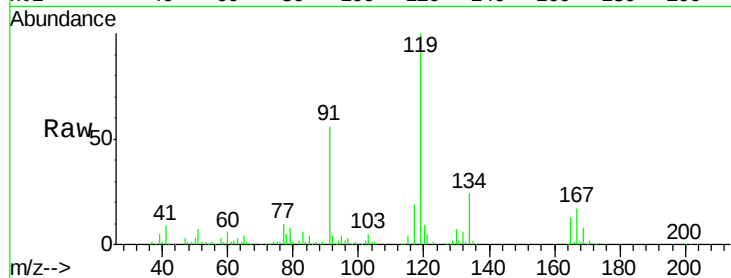
#61
 Pentachloroethane
 Concen: 10.552 ug/l
 RT: 11.45 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion:117 Resp: 62379
 Ion Ratio Lower Upper
 117 100
 167 83.0 66.7 100.1

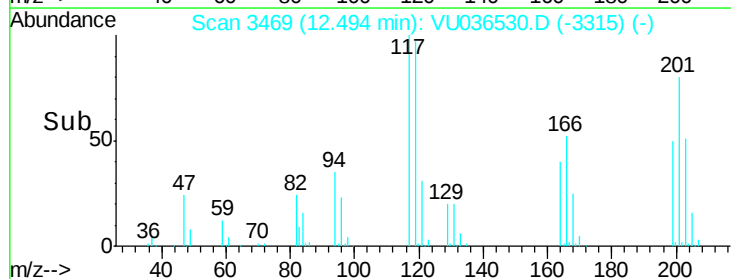
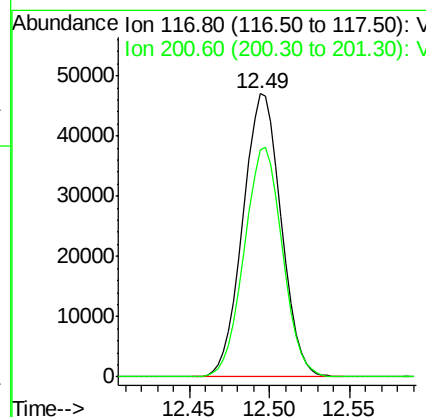
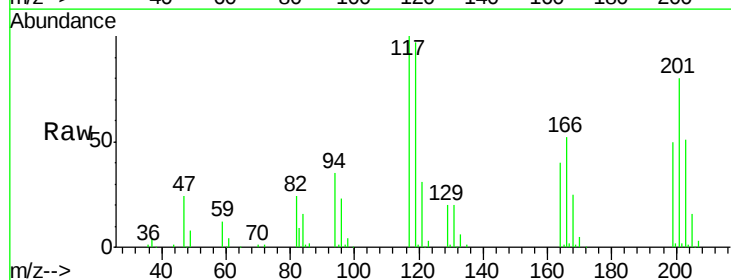
Manual Integrations
 APPROVED

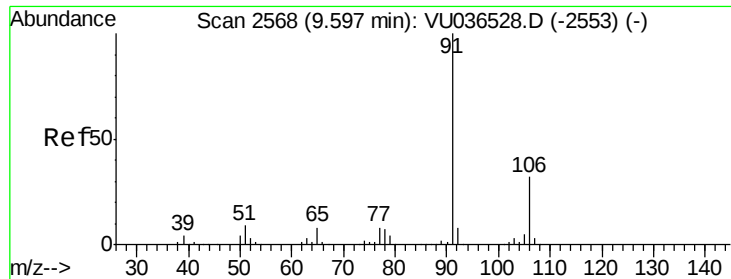
apatel
 1/23/2020 3:21:42 PM



#62
 Hexachloroethane
 Concen: 10.188 ug/l
 RT: 12.49 min Scan# 3469
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion:117 Resp: 76759
 Ion Ratio Lower Upper
 117 100
 201 81.1 65.0 97.4





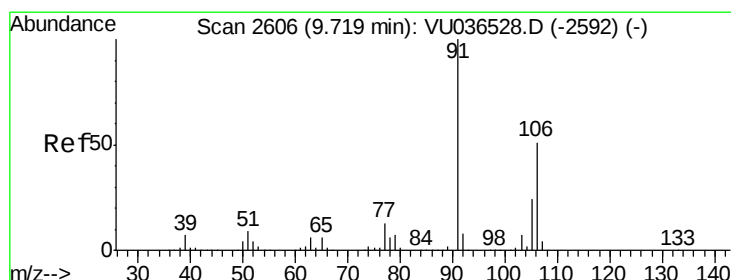
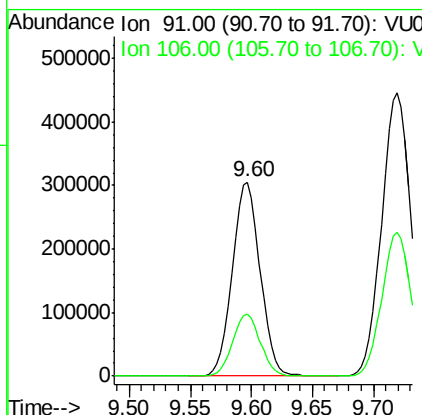
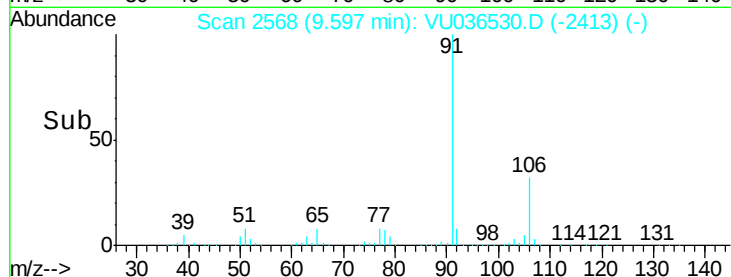
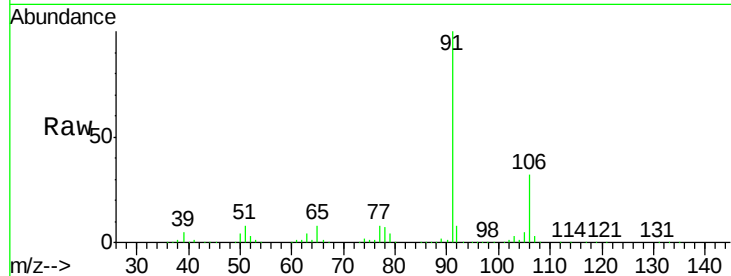
#63
Ethyl Benzene
Concen: 10.072 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion: 91 Resp: 484279
Ion Ratio Lower Upper
91 100
106 31.8 26.0 39.0

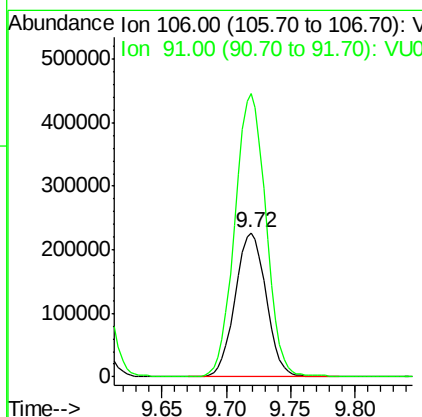
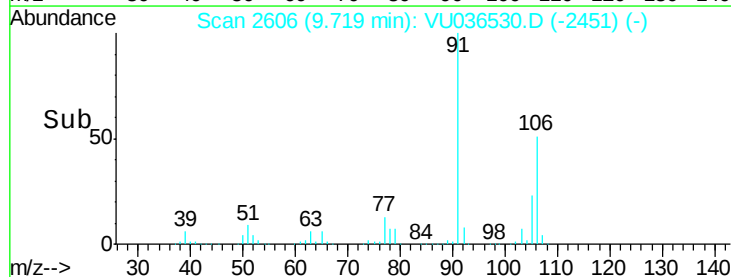
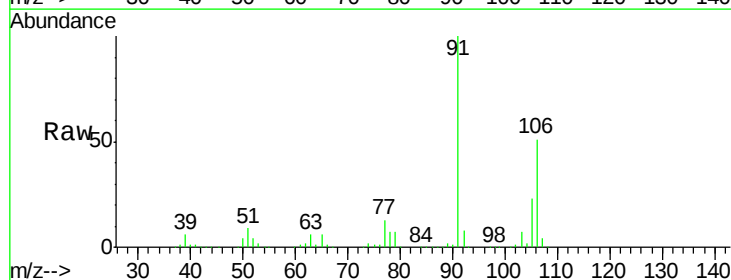
Manual Integrations
APPROVED

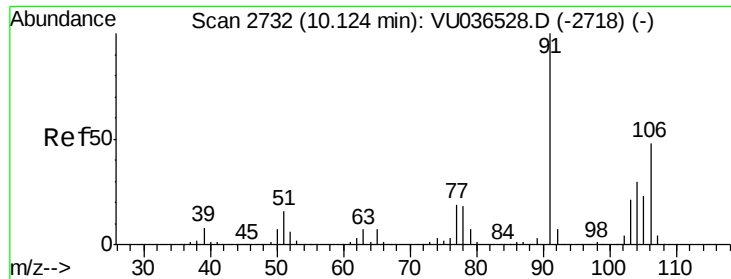
apatel
1/23/2020 3:21:42 PM



#64
m/p-Xylenes
Concen: 19.802 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion: 106 Resp: 376879
Ion Ratio Lower Upper
106 100
91 198.4 158.2 237.4





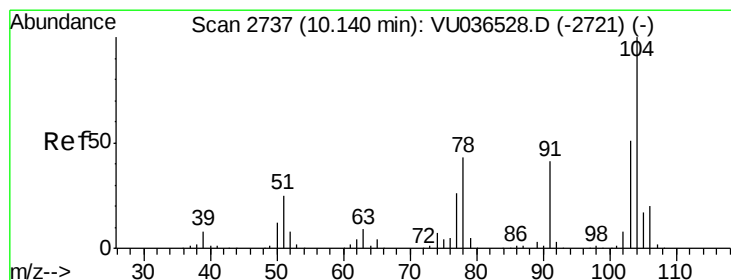
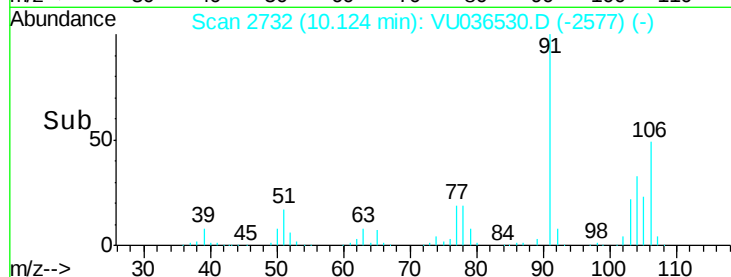
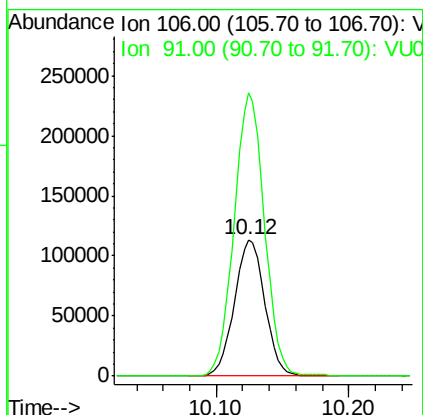
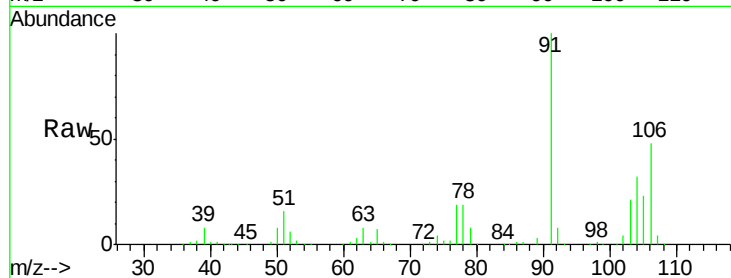
#65
o-Xylene
Concen: 9.771 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.7	104.3	312.9	

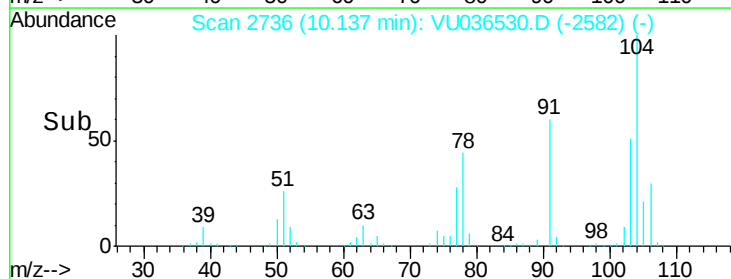
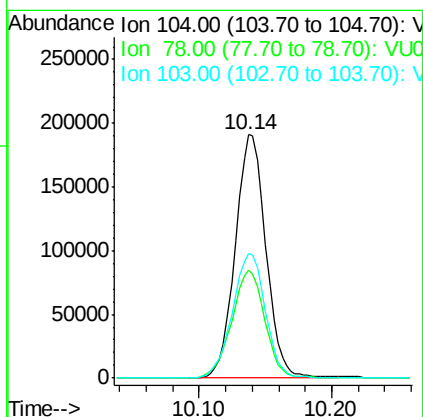
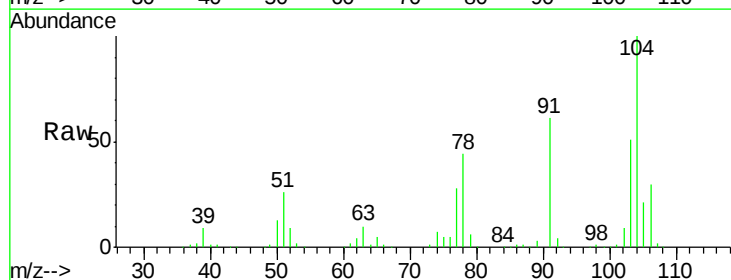
Manual Integrations
APPROVED

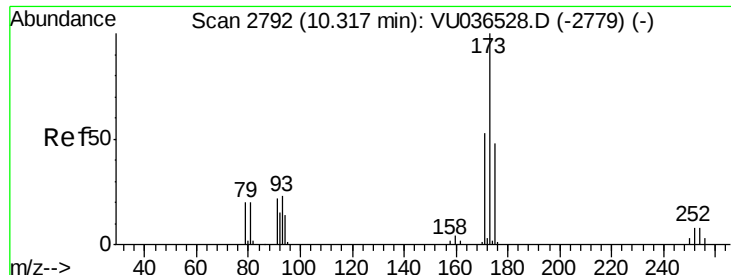
apatel
1/23/2020 3:21:42 PM



#66
Styrene
Concen: 9.944 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.2	38.6	57.8	
103	55.6	44.4	66.6	





#67

Bromoform

Concen: 10.201 ug/l

RT: 10.32 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

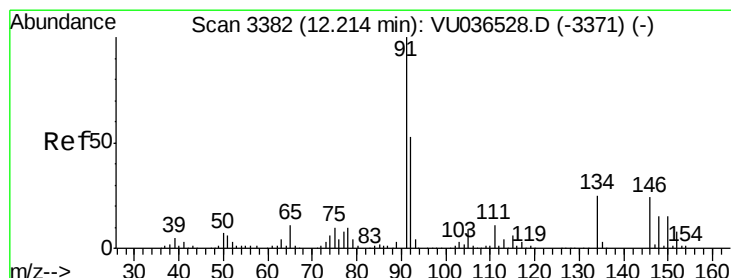
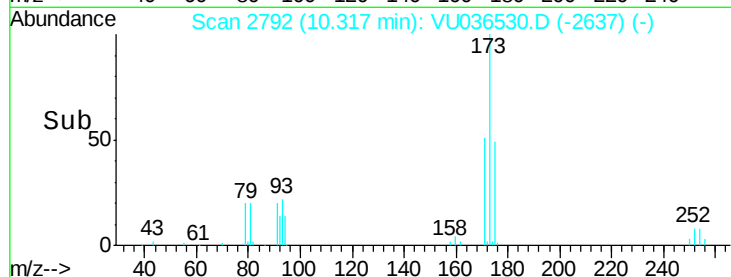
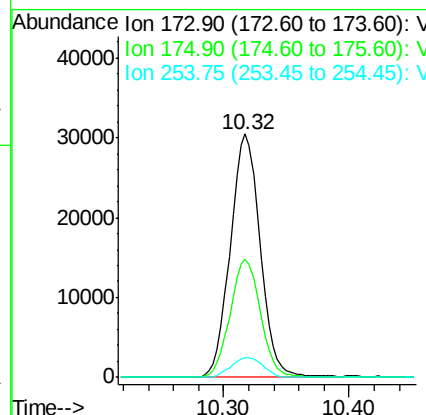
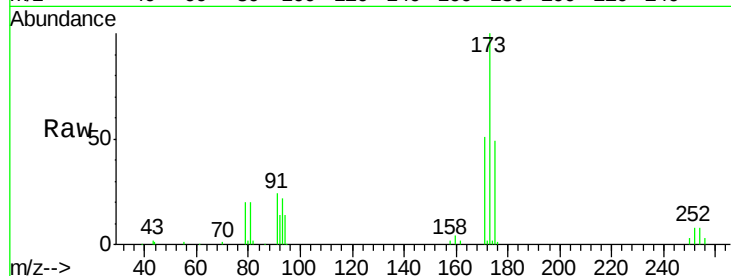
ClientSampleId :

ICVVU012220

Tot Ion:	173	Resp:	50521
Ion Ratio	Lower	Upper	
173	100		
175	49.1	38.3	57.5
254	8.5	6.6	9.8

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#68

1,2-Dichlorobenzene-d4

Concen: 0.985 ug/l

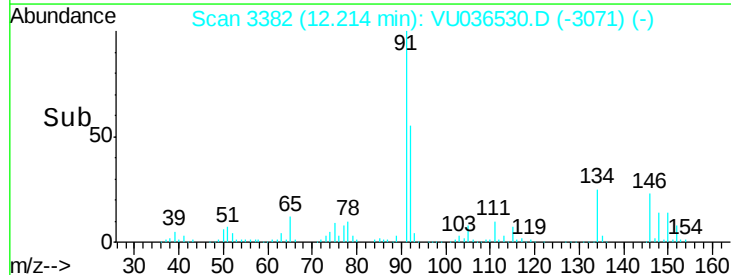
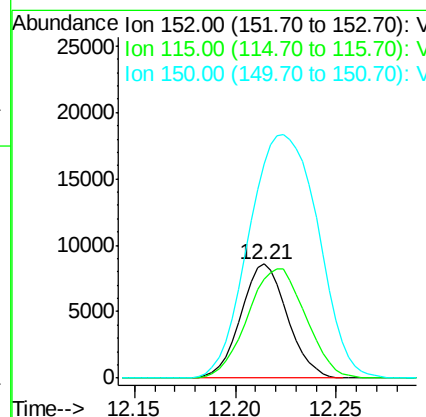
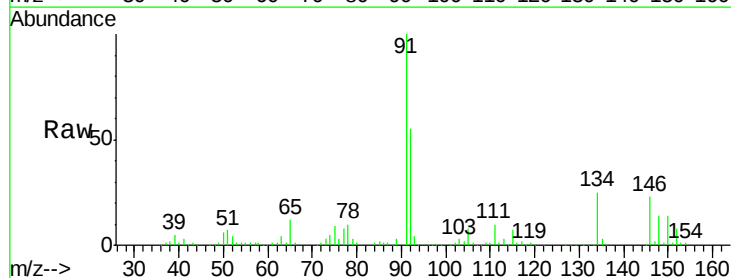
RT: 12.21 min Scan# 3382

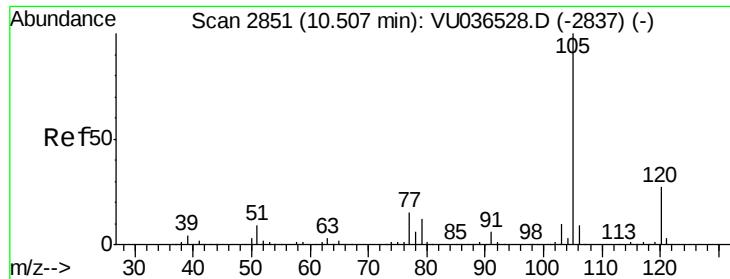
Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	152	Resp:	13864
Ion Ratio	Lower	Upper	
152	100		
115	119.2	0.0	241.8
150	315.7	0.0	652.4





#69

Isopropylbenzene

Concen: 9.918 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion: 105 Resp: 480202

Ion Ratio Lower Upper

105 100

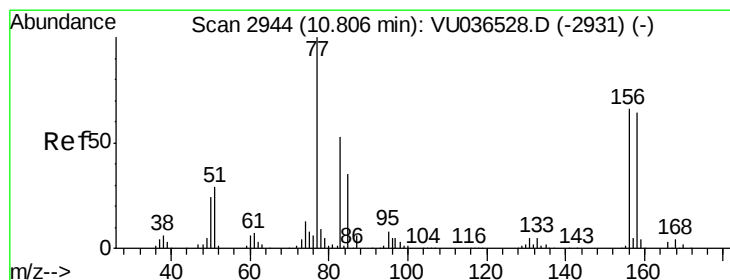
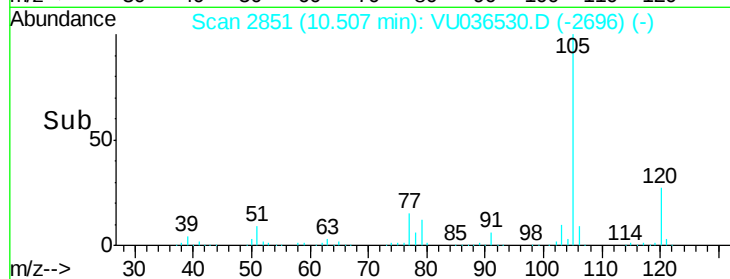
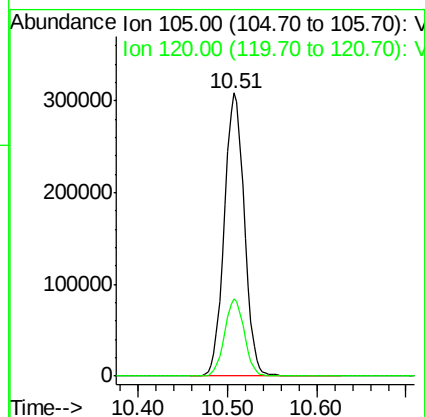
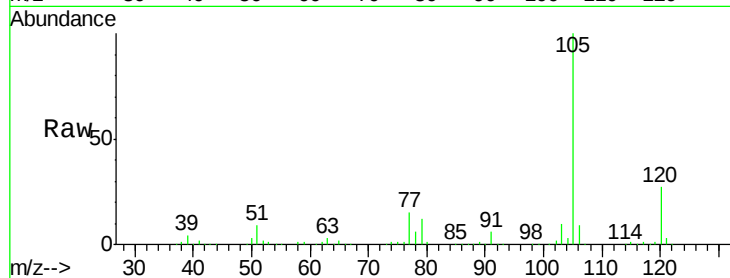
120 27.0 13.6 40.7

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 9.813 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

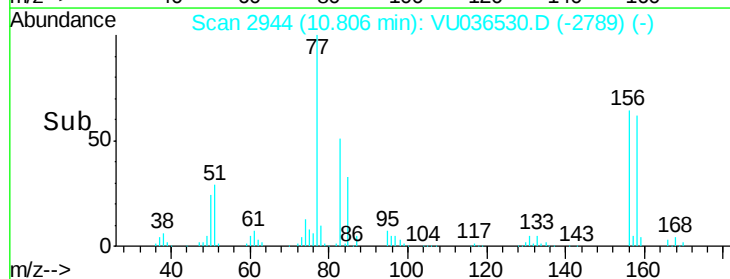
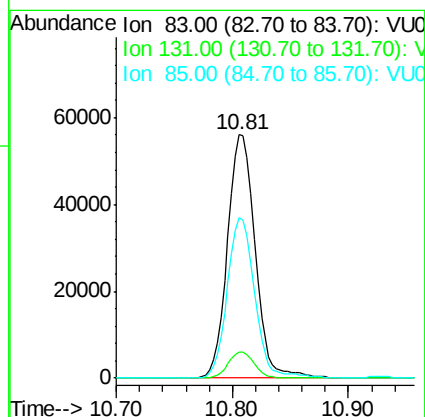
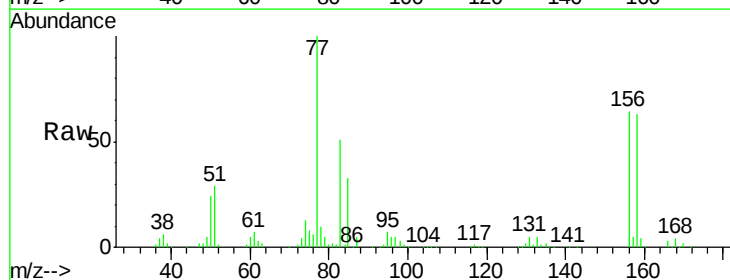
Tgt Ion: 83 Resp: 93014

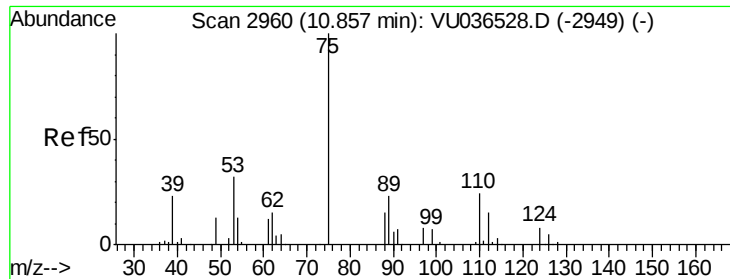
Ion Ratio Lower Upper

83 100

131 10.2 7.8 11.8

85 65.4 53.2 79.8





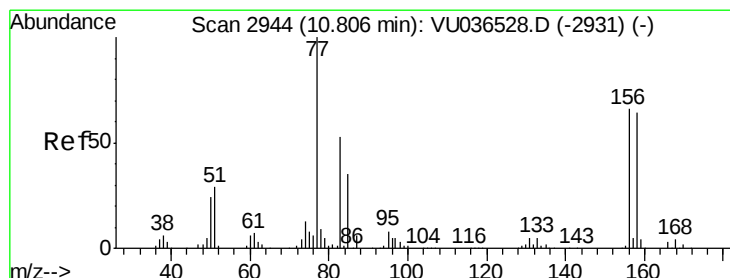
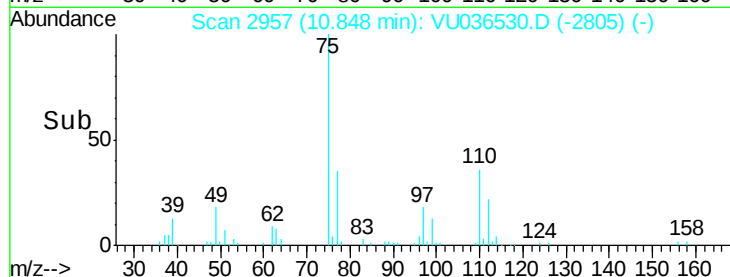
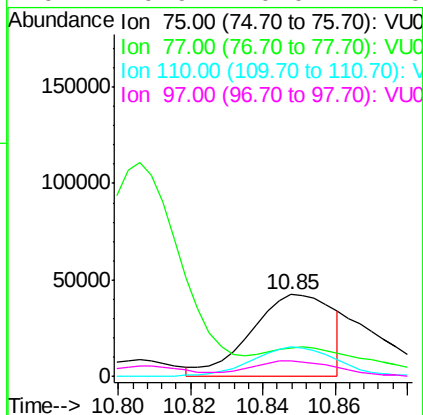
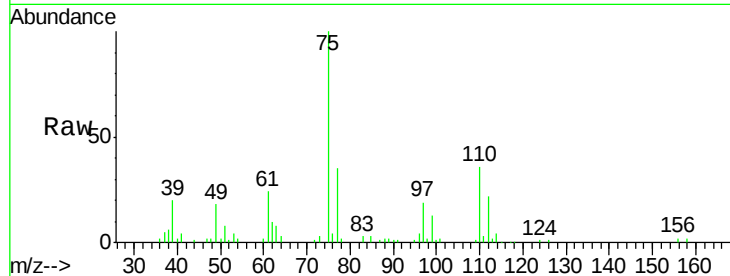
#71
1,2,3-Trichloropropane
Concen: 9.858 ug/l m
RT: 10.85 min Scan# 2957
Delta R.T. -0.01 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion:	75	Resp:	66672
Ion	Ratio	Lower	Upper
75	100		
77	44.0	0.0	129.6
110	37.4	0.0	77.4
97	19.9	0.0	42.0

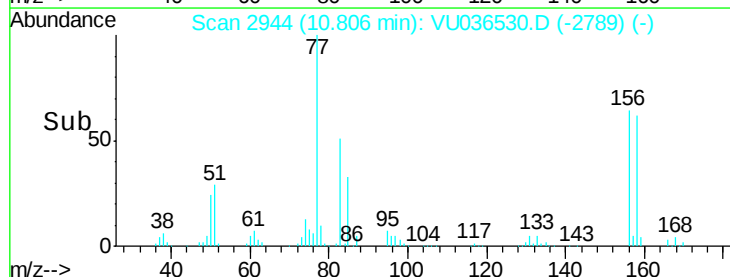
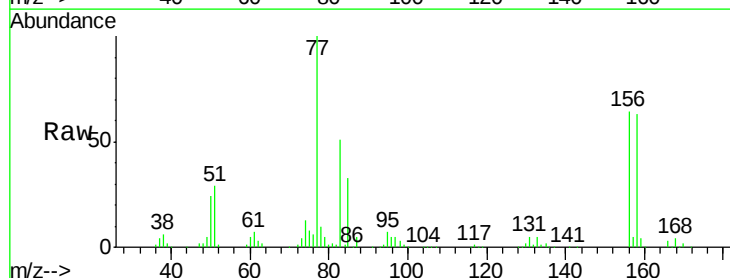
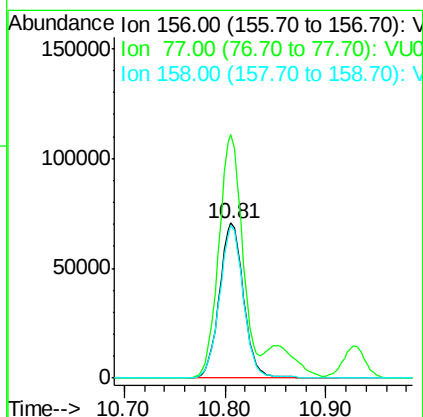
Manual Integrations
APPROVED

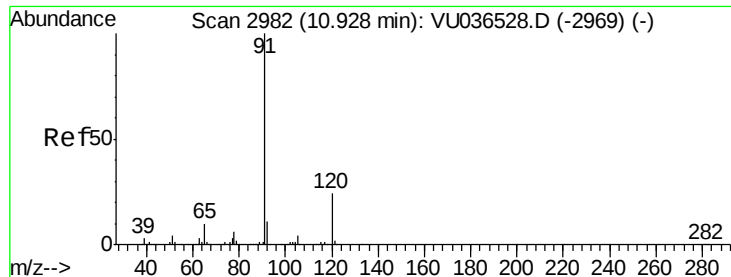
apatel
1/23/2020 3:21:42 PM



#72
Bromobenzene
Concen: 10.123 ug/l
RT: 10.81 min Scan# 2944
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion:	156	Resp:	118086
Ion	Ratio	Lower	Upper
156	100		
77	154.2	0.0	306.6
158	97.2	0.0	192.0





#73

n-propylbenzene

Concen: 9.955 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion:120 Resp: 135235

Ion Ratio Lower Upper

120 100

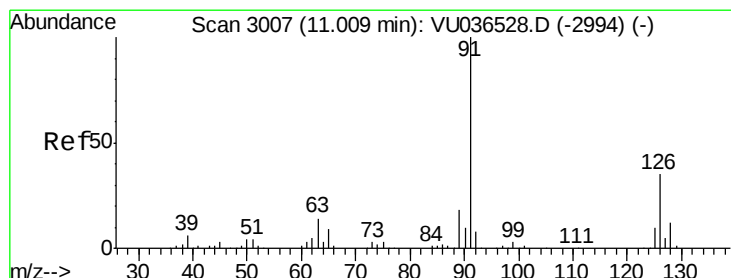
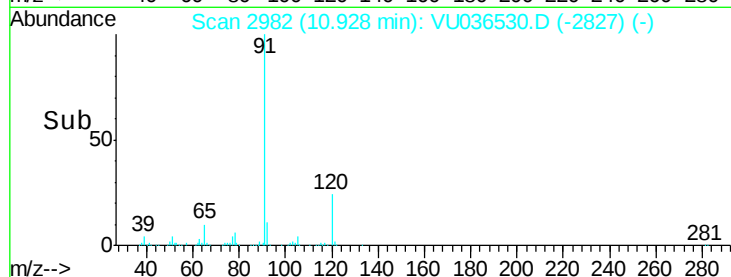
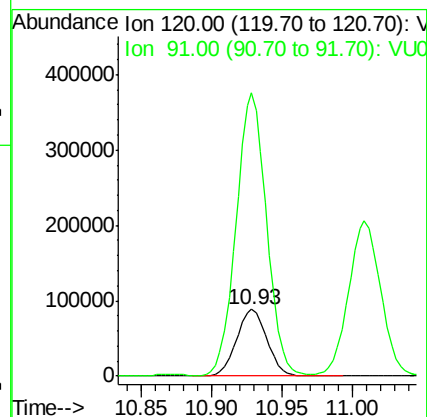
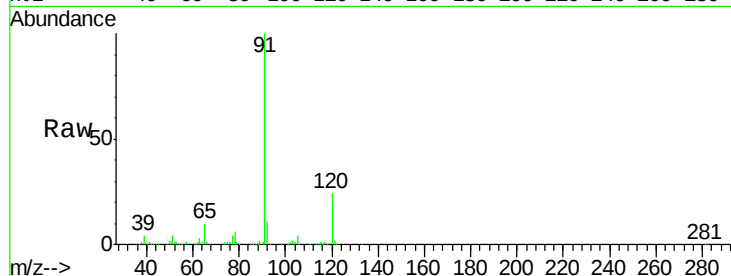
91 417.0 329.5 494.3

Manual Integrations

APPROVED

apatel

1/23/2020 3:21:42 PM



#74

2-Chlorotoluene

Concen: 9.713 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036530.D

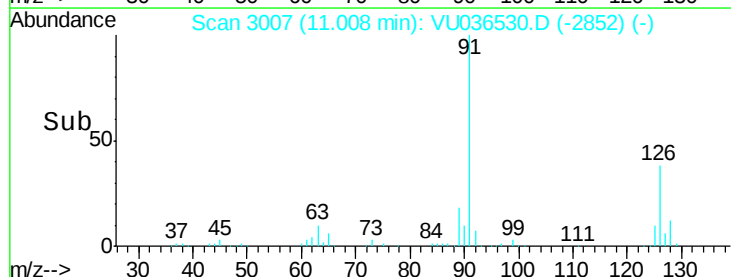
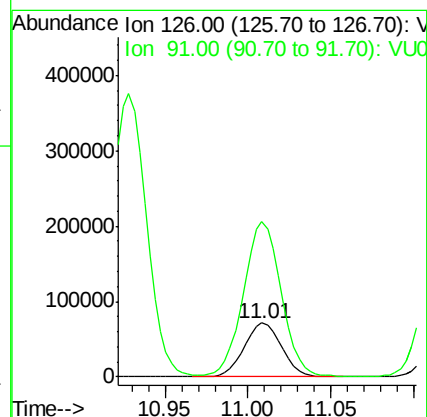
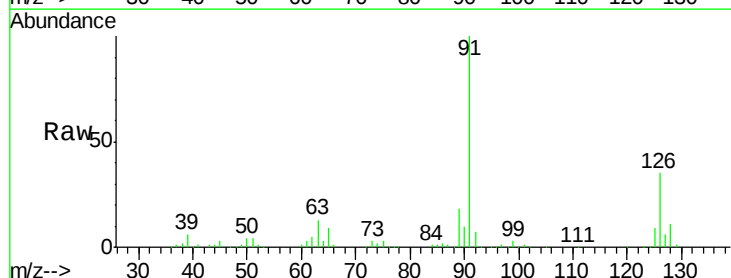
Acq: 22 Jan 2020 17:38

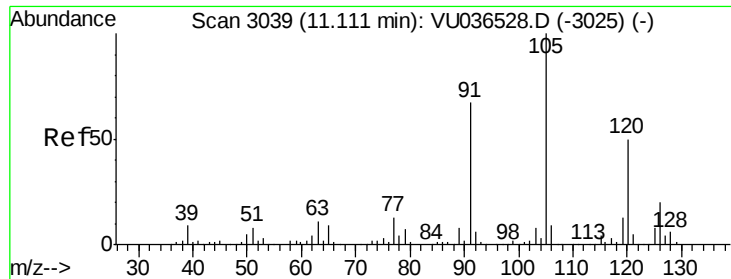
Tgt Ion:126 Resp: 113329

Ion Ratio Lower Upper

126 100

91 283.1 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 10.167 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

ICVVU012220

Tot Ion:105 Resp: 422197

Ion Ratio Lower Upper

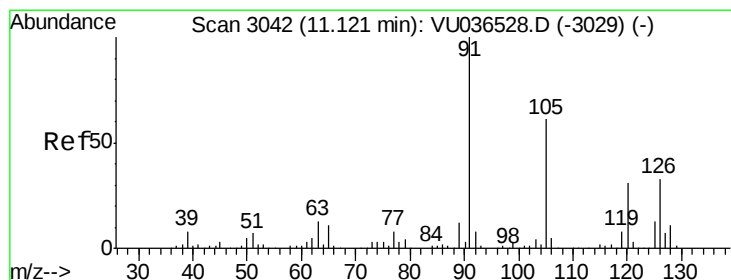
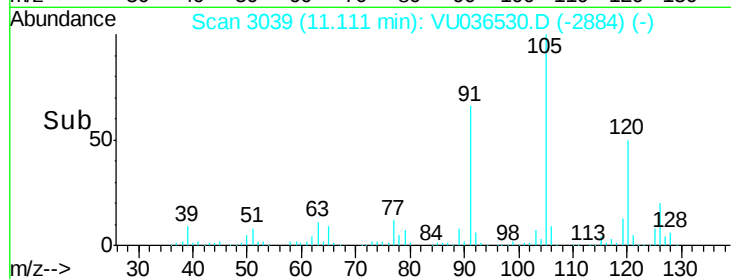
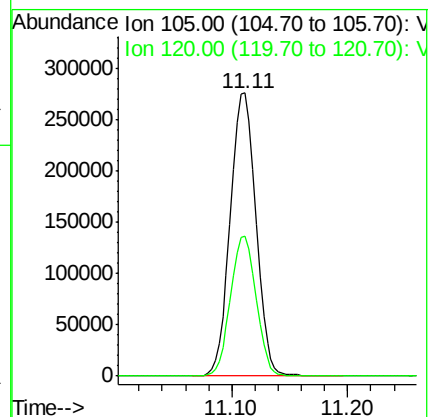
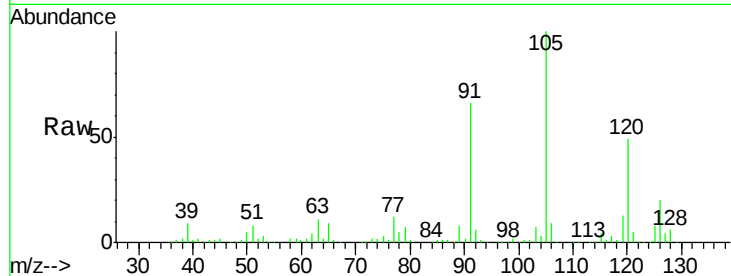
105 100

120 49.3 39.8 59.8

Manual Integrations
APPROVED

apatel

1/23/2020 3:21:42 PM



#76

4-Chlorotoluene

Concen: 9.958 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036530.D

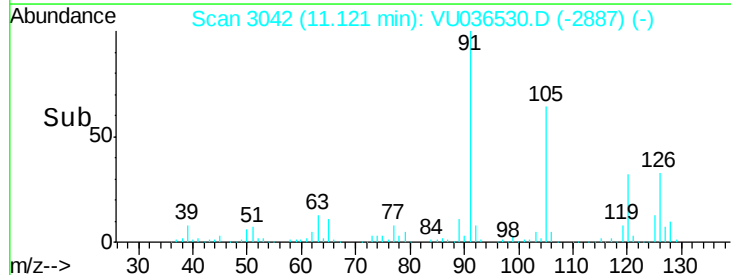
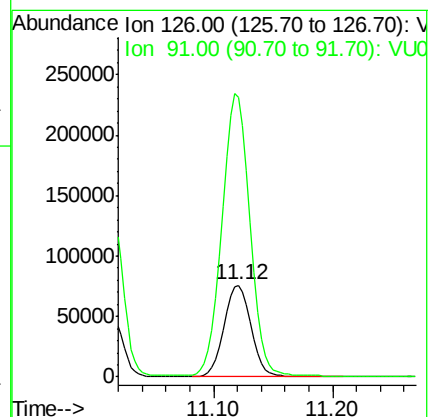
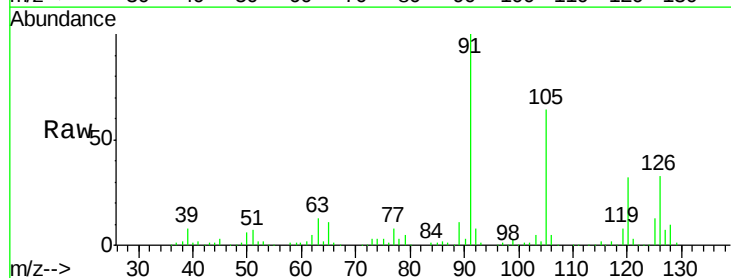
Acq: 22 Jan 2020 17:38

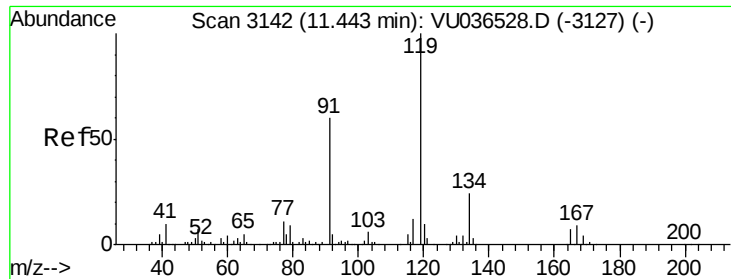
Tgt Ion:126 Resp: 120058

Ion Ratio Lower Upper

126 100

91 319.9 0.0 633.0





#77

tert-Butylbenzene

Concen: 9.738 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

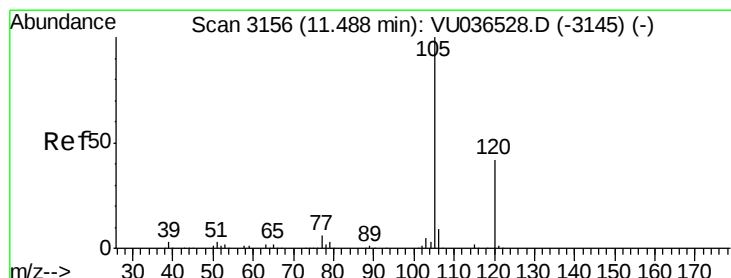
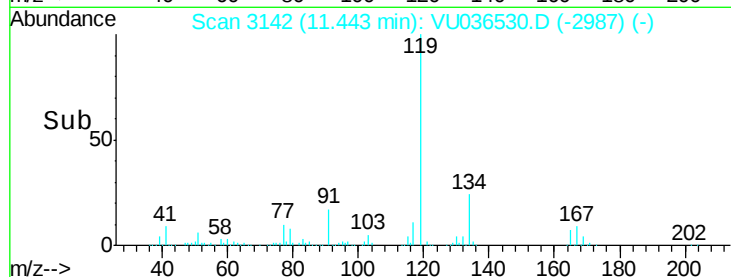
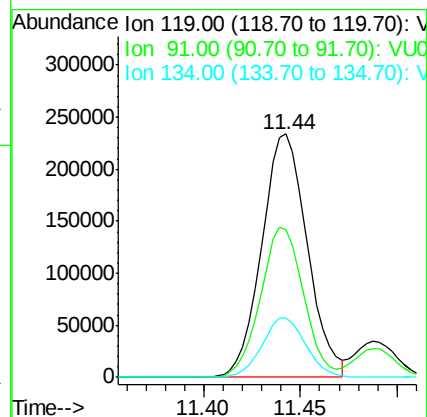
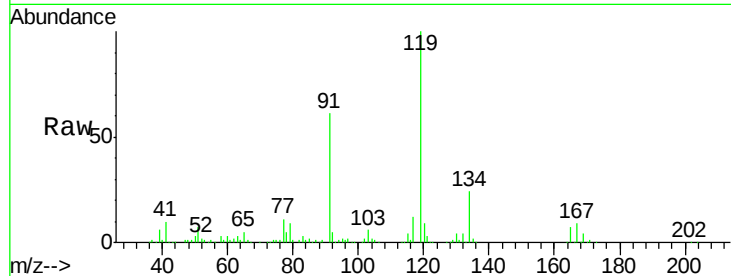
ClientSampleId :

ICVVU012220

Tot Ion:	119	Resp:	383164
Ion Ratio	Lower	Upper	
119	100		
91	58.3	29.3	87.8
134	23.5	19.0	28.4

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



#78

1,2,4-Trimethylbenzene

Concen: 9.902 ug/l

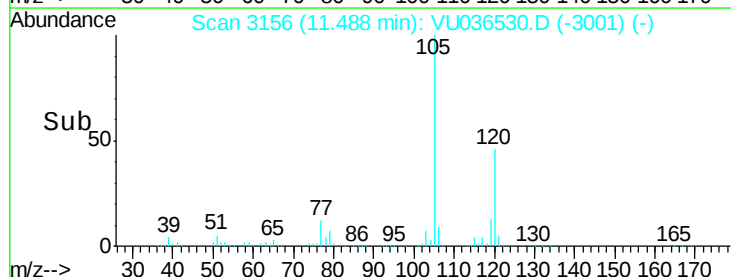
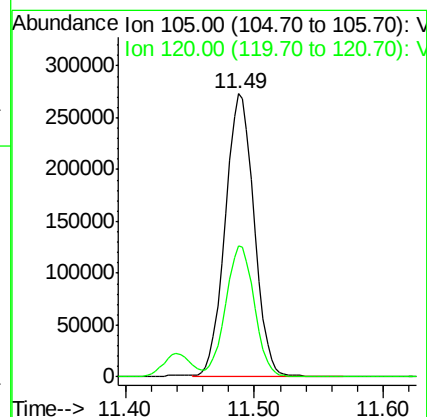
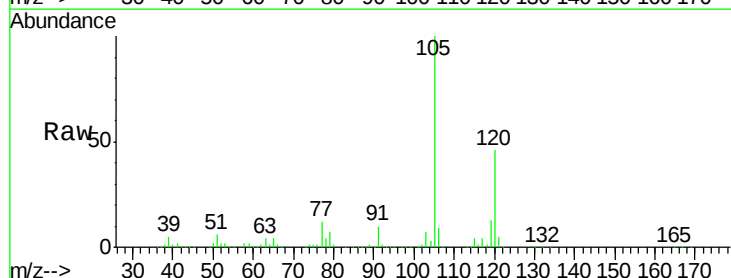
RT: 11.49 min Scan# 3156

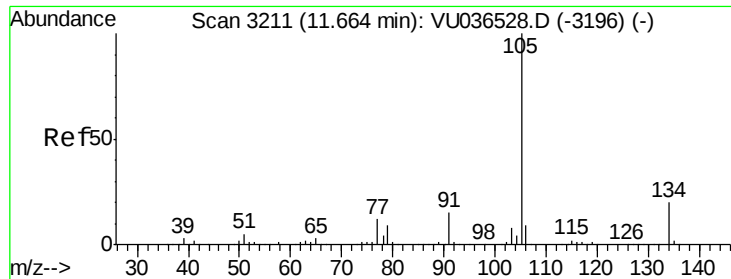
Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	105	Resp:	423985
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.3	69.8





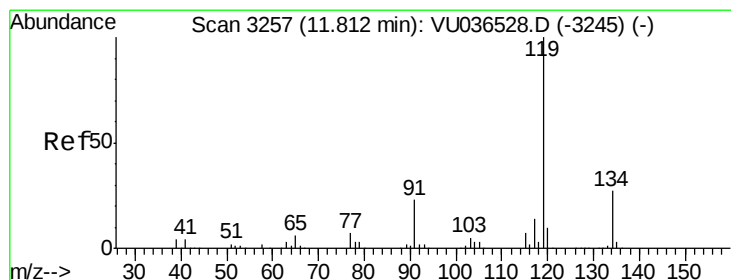
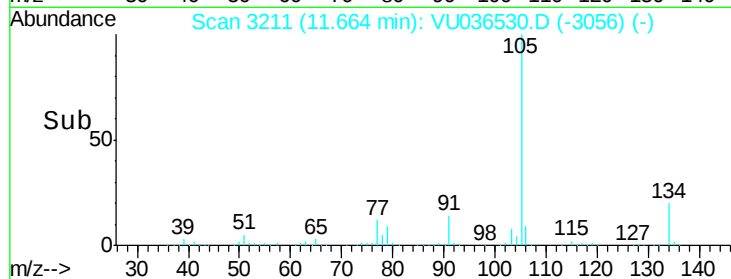
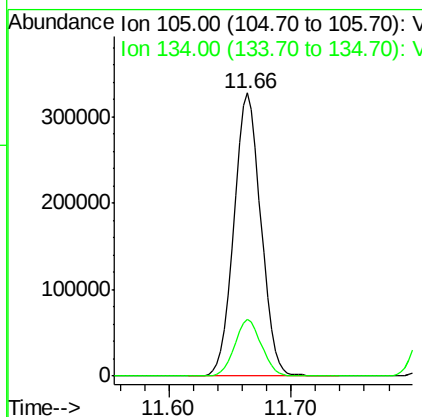
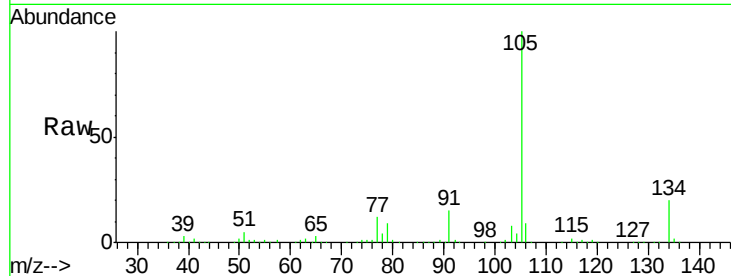
#79
 sec-Butylbenzene
 Concen: 9.185 ug/l
 RT: 11.66 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	16.0	24.0

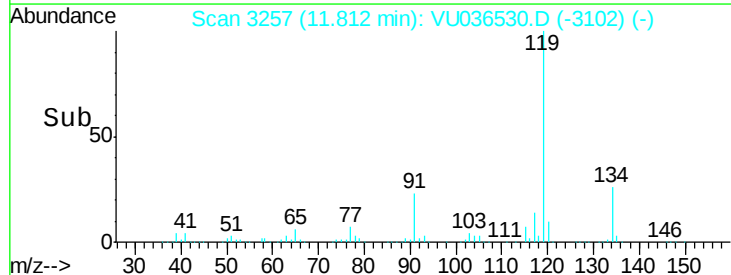
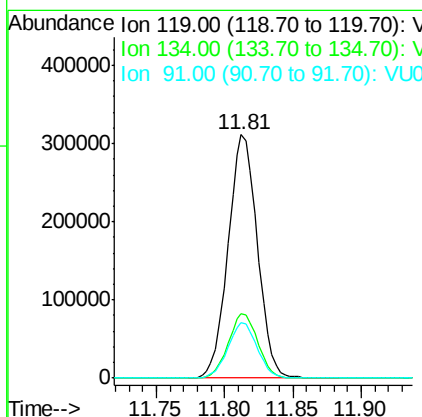
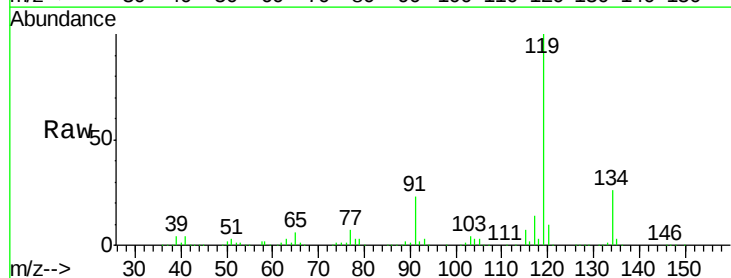
Manual Integrations
 APPROVED

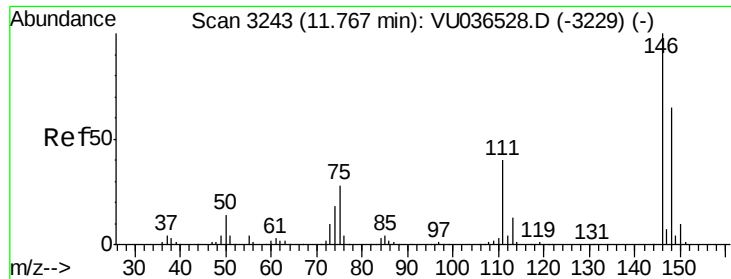
apatel
 1/23/2020 3:21:42 PM



#81
 p-Isopropyltoluene
 Concen: 10.166 ug/l
 RT: 11.81 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.4	32.0
91	22.7	18.3	27.5





#82

1,3-Dichlorobenzene

Concen: 9.702 ug/l

RT: 11.77 min Scan# 3243

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

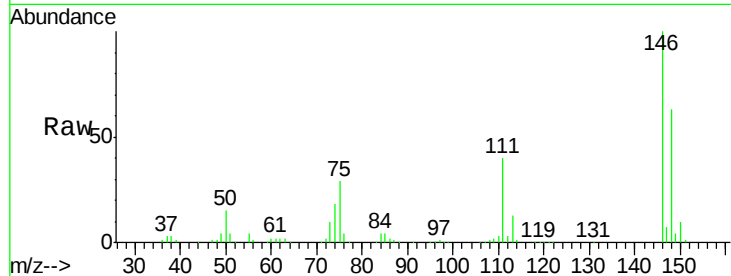
ClientSampleId :

ICVVU012220

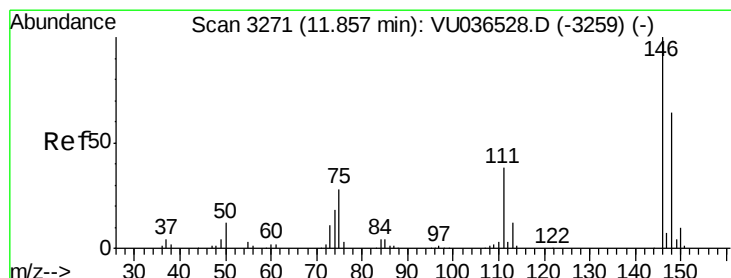
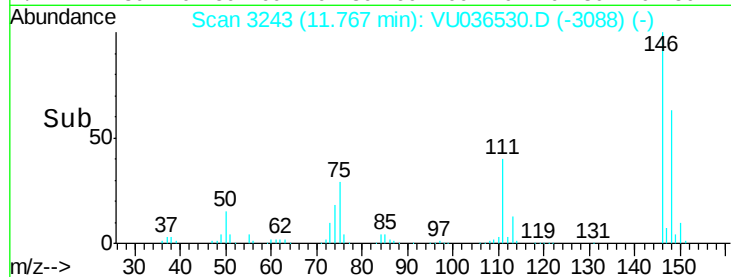
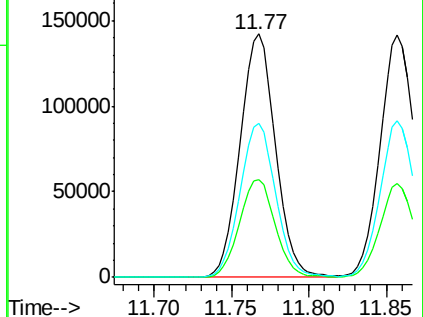
Tot Ion:	146	Resp:	226413
Ion Ratio	Lower	Upper	
146	100		
111	40.8	32.2	48.2
148	63.9	51.4	77.2

Manual Integrations
APPROVED

apatel
1/23/2020 3:21:42 PM



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#83

1,4-Dichlorobenzene

Concen: 9.696 ug/l

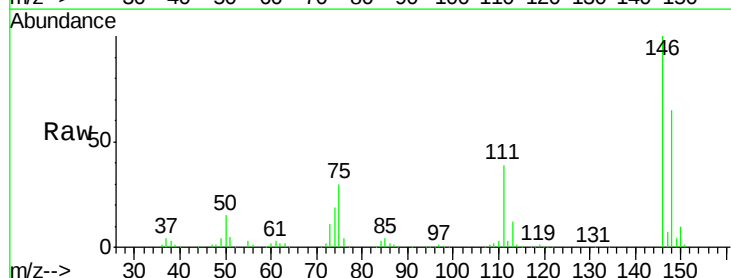
RT: 11.86 min Scan# 3271

Delta R.T. -0.00 min

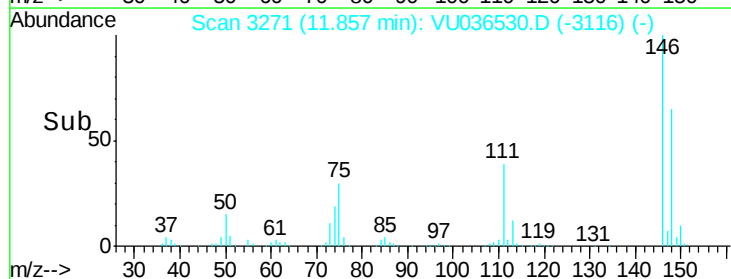
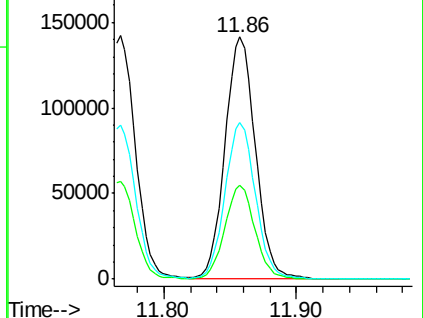
Lab File: VU036530.D

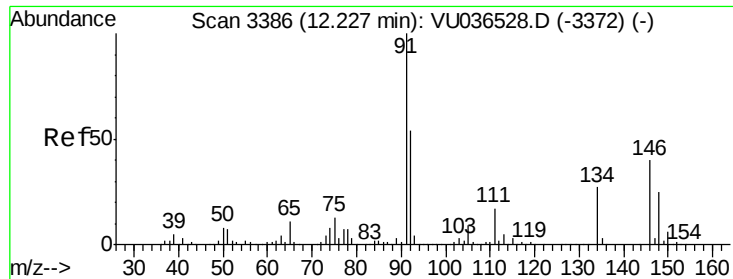
Acq: 22 Jan 2020 17:38

Tgt Ion:	146	Resp:	226177
Ion Ratio	Lower	Upper	
146	100		
111	38.1	30.5	45.7
148	64.6	51.0	76.4



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





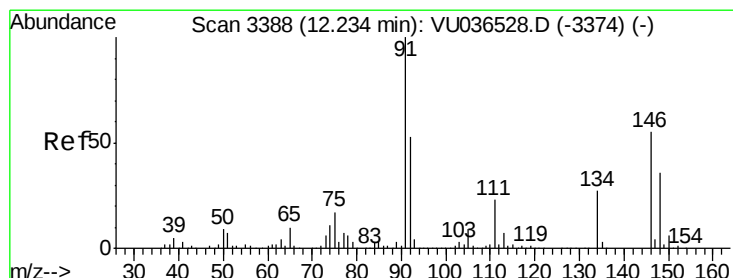
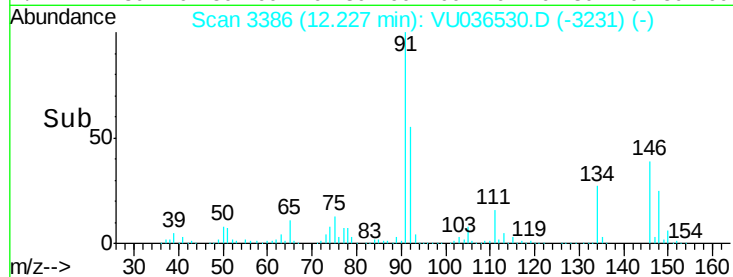
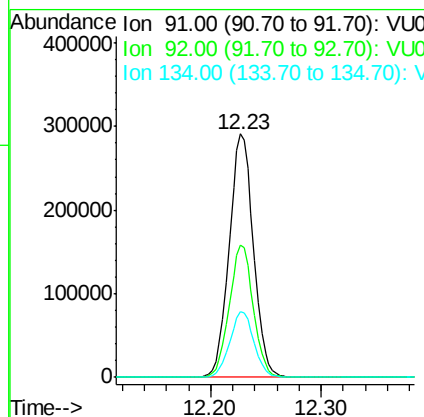
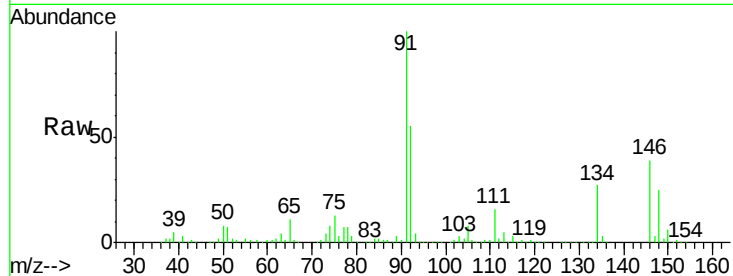
#84
n-Butylbenzene
Concen: 10.467 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Instrument :
MSVOA_U
ClientSampleId :
ICVVU012220

Tot Ion	Ratio	Resp	Lower	Upper
91	100	441666		
92	53.9	42.9	64.3	
134	26.9	21.4	32.0	

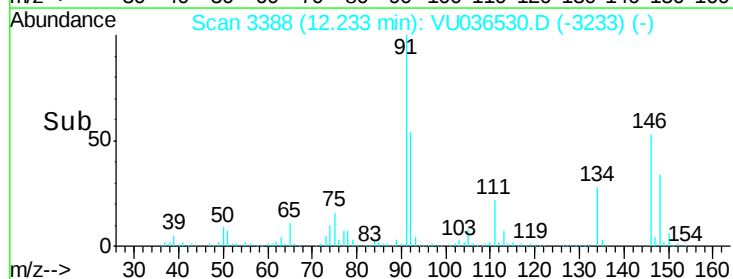
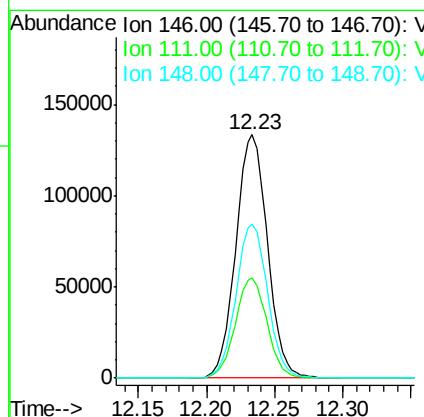
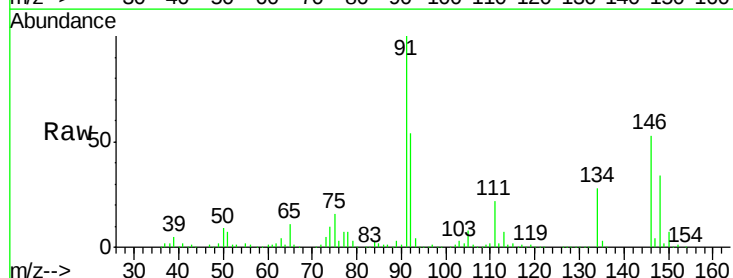
Manual Integrations
APPROVED

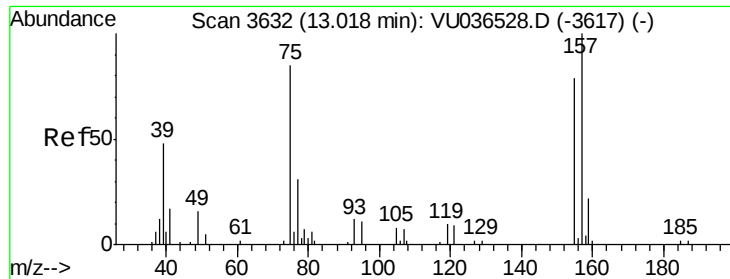
apatel
1/23/2020 3:21:42 PM



#85
1,2-Dichlorobenzene
Concen: 9.622 ug/l
RT: 12.23 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VU036530.D
Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214893		
111	41.2	20.8	62.4	
148	63.4	32.0	96.2	





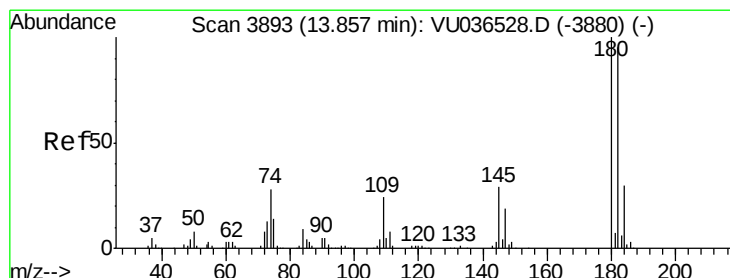
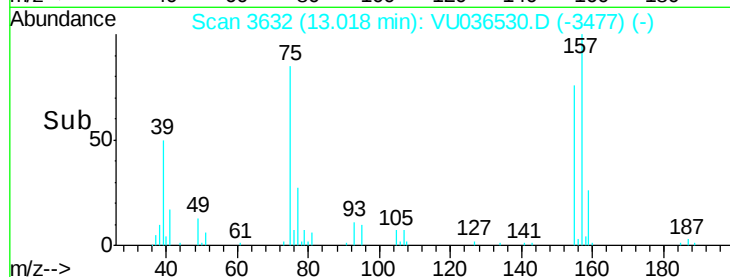
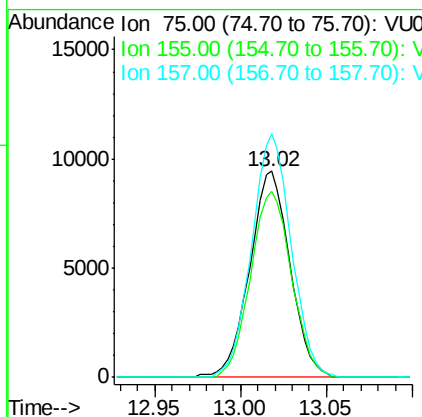
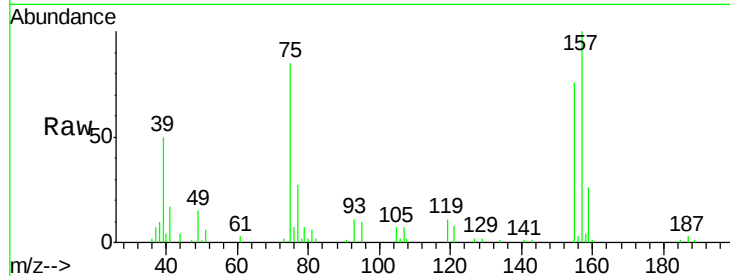
#86
 1,2-Dibromo-3-Chloropropane
 Concen: 9.582 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.0	71.8	107.8
157	115.9	92.4	138.6

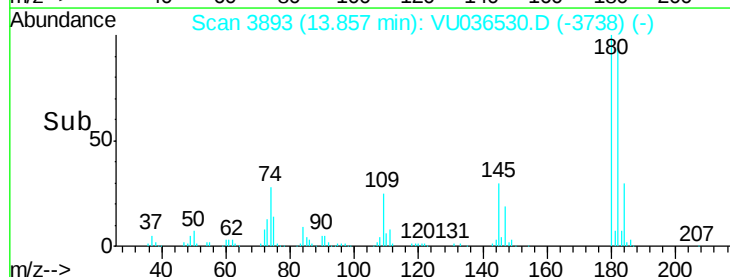
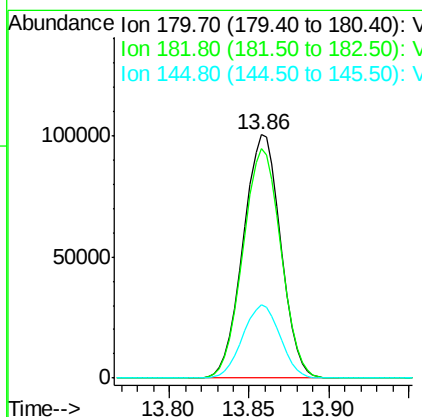
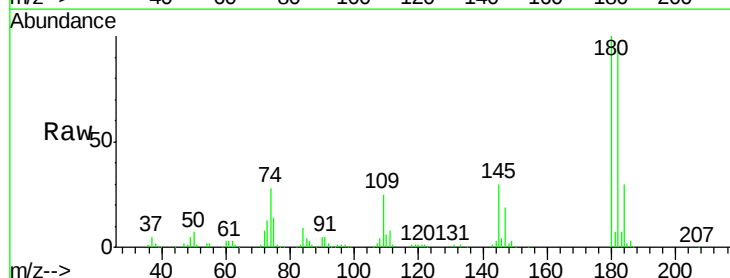
Manual Integrations
 APPROVED

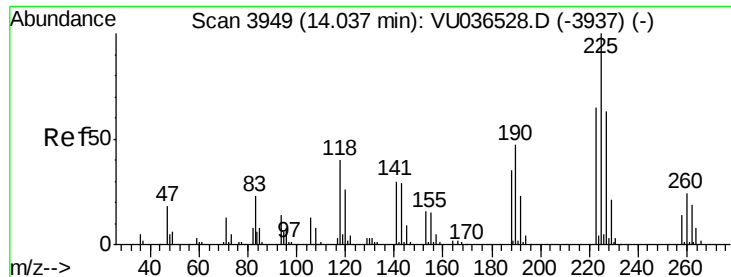
apatel
 1/23/2020 3:21:42 PM



#87
 1,2,4-Trichlorobenzene
 Concen: 11.233 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
145	30.1	23.4	35.2





#88

Hexachlorobutadiene

Concen: 10.119 ug/l

RT: 14.04 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Instrument :

MSVOA_U

ClientSampleId :

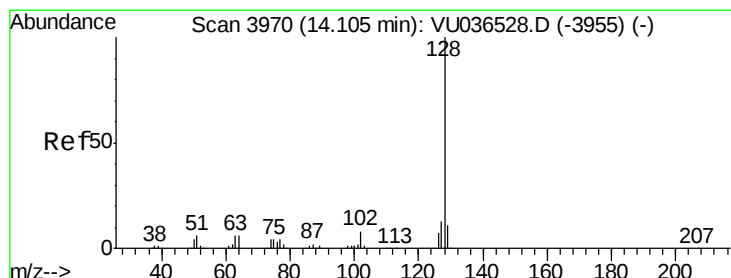
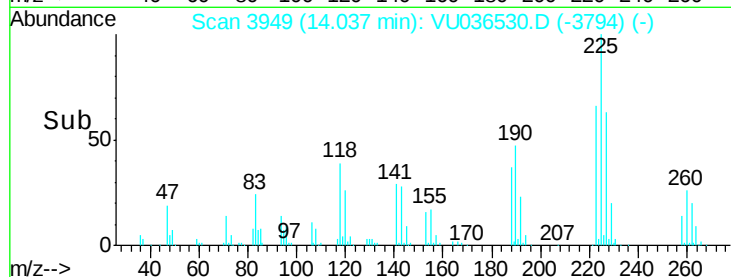
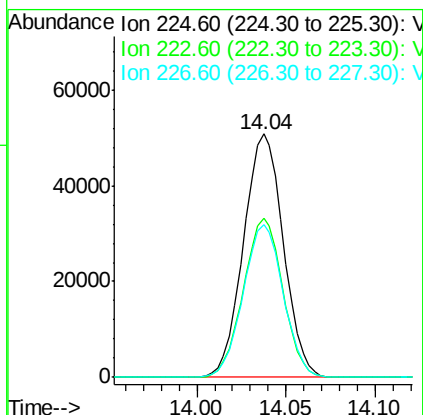
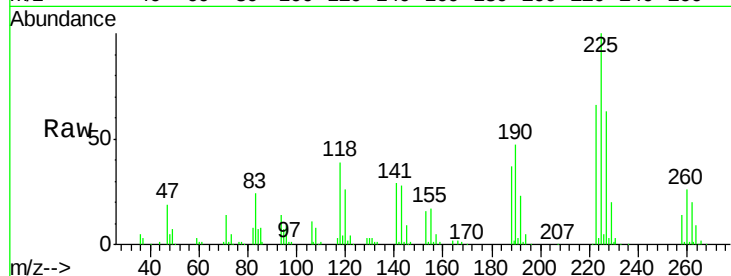
ICVVU012220

Tot Ion:	225	Resp:	79223
Ion Ratio	Lower	Upper	
225	100		
223	64.7	51.7	77.5
227	63.0	50.6	75.8

Manual Integrations
APPROVED

apatel

1/23/2020 3:21:42 PM



#89

Naphthalene

Concen: 11.712 ug/l

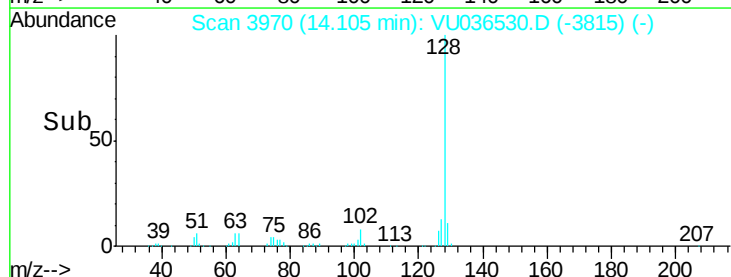
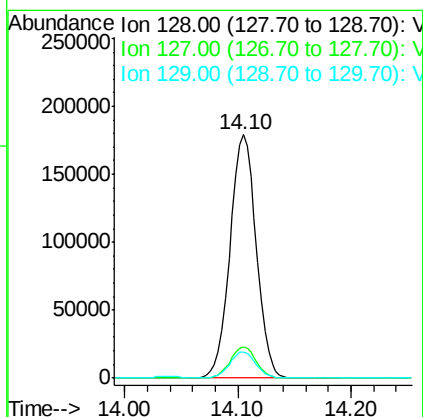
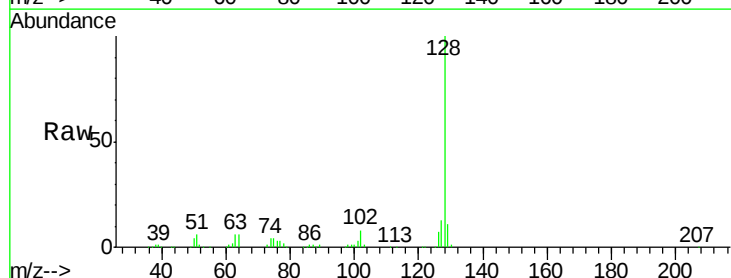
RT: 14.10 min Scan# 3970

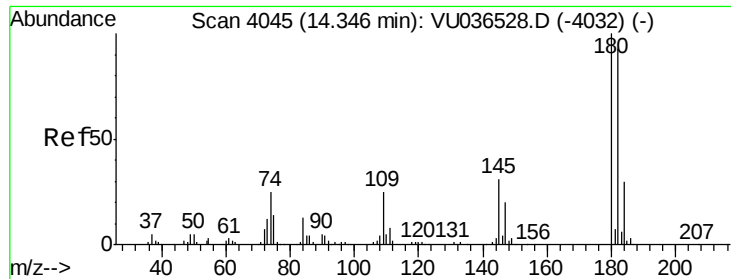
Delta R.T. -0.00 min

Lab File: VU036530.D

Acq: 22 Jan 2020 17:38

Tgt Ion:	128	Resp:	288238
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.8	8.7	13.1





#90
 1,2,3-Trichlorobenzene
 Concen: 10.864 ug/l
 RT: 14.35 min Scan# 4045
 Delta R.T. -0.00 min
 Lab File: VU036530.D
 Acq: 22 Jan 2020 17:38

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU012220

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	31.7	25.2	37.8

Manual Integrations
 APPROVED

apatel
 1/23/2020 3:21:42 PM

