

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037129.D
 Acq On : 09 Mar 2020 12:23
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

sam
 3/10/2020 3:06:14 PM

Quant Time: Mar 09 15:38:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	16467	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.65	95	5527	0.89	ug/l	0.00
Spiked Amount 1.000			Recovery	=	89.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	5845	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	4202	0.772	ug/l	99
3) Chloromethane	1.54	50	4266	0.731	ug/l	97
4) Vinyl Chloride	1.62	62	3635	0.550	ug/l	96
5) Bromomethane	1.88	94	1516	0.369	ug/l	92
6) Chloroethane	1.95	64	1838	0.469	ug/l	96
7) Trichlorofluoromethane	2.16	101	4459	0.683	ug/l	93
8) 1,1,2-Trichloro-1,2,2-trif	2.60	101	1907	0.469	ug/l #	90
9) 1,1-Dichloroethene	2.61	96	2121	0.490	ug/l	84
11) Allyl Chloride	2.95	41	3942m	0.658	ug/l	
12) Acrylonitrile	3.36	53	931	0.877	ug/l #	74
13) Acetone	2.67	43	2871	3.316	ug/l #	60
14) Carbon Disulfide	2.82	76	6796	0.453	ug/l	96
15) Methylene Chloride	3.08	84	2893	0.507	ug/l #	79
16) trans-1,2-Dichloroethene	3.38	96	2074	0.434	ug/l #	74
17) 1,1-Dichloroethane	3.91	63	5121	0.658	ug/l #	94
18) 2-Butanone	4.78	43	4247	3.724	ug/l	98
19) Cyclohexane	5.42	56	3906m	0.549	ug/l	
20) Methylcyclohexane	6.79	83	3896	0.490	ug/l #	85
21) 2,2-Dichloropropane	4.70	77	4593	0.691	ug/l	91
22) cis-1,2-Dichloroethene	4.71	96	2247	0.453	ug/l	55
23) Diethyl Ether	2.40	59	1764	0.527	ug/l	88
24) tert-Butyl Alcohol	3.30	59	1419m	4.747	ug/l	
25) Methyl tert-Butyl Ether	3.41	73	5937	0.523	ug/l #	59
26) Bromochloromethane	5.02	128	1133	0.528	ug/l	76
27) Chloroform	5.13	83	5822	0.756	ug/l	97
28) 1,1,1-Trichloroethane	5.35	97	4367	0.676	ug/l	95
29) 1,1-Dichloropropene	5.56	75	3529	0.560	ug/l	94
30) Carbon Tetrachloride	5.56	117	3962	0.717	ug/l	91
31) Isopropyl Ether	4.05	45	7842	0.664	ug/l	83
32) Ethyl-t-butyl ether	4.56	59	7367	0.596	ug/l	87
33) Tert-Amyl methyl ether	5.99	73	6086	0.538	ug/l	99
34) Propionitrile	4.87	54	985m	2.997	ug/l	
35) Benzene	5.81	78	10393	0.570	ug/l	96
36) 1,2-Dichloroethane	5.84	62	4060	0.827	ug/l #	89
37) Trichloroethene	6.57	130	2762	0.548	ug/l	92
38) 1,2-Dichloropropane	6.83	63	2905	0.633	ug/l	96
39) Methacrylonitrile	5.03	41	1014	0.734	ug/l #	58
40) Methyl acrylate	4.91	55	1408m	0.643	ug/l	
41) Tetrahydrofuran	5.12	42	984	1.307	ug/l #	65
42) 1-Chlorobutane	5.50	56	5163	0.632	ug/l	76
43) Dibromomethane	6.95	93	1408	0.588	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU030920\
 Data File : VU037129.D
 Acq On : 09 Mar 2020 12:23
 Operator : JC/MD
 Sample : VSTDIC0.5
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC0.5

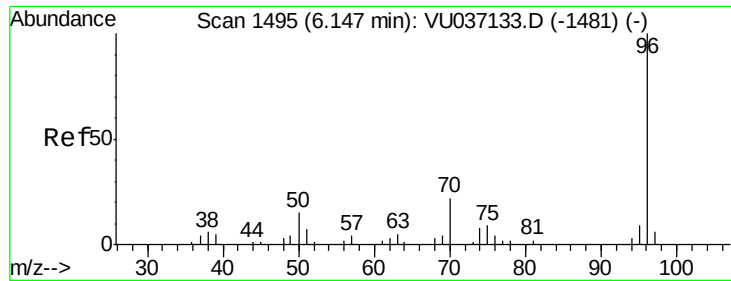
Manual Integrations
 APPROVED

sam
 3/10/2020 3:06:14 PM

Quant Time: Mar 09 15:38:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U030920DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Mar 09 15:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Bromodichloromethane	7.14	83	3933	0.694	ug/l #	97
45) 4-Methyl-2-Pentanone	7.83	43	9888	3.665	ug/l #	85
46) t-1,4-Dichloro-2-butene	10.86	75	1120m	0.943	ug/l	
47) Methyl methacrylate	7.00	69	2036	0.868	ug/l #	56
48) Ethyl methacrylate	8.37	69	2261	0.499	ug/l	74
49) Toluene	8.00	92	5930	0.509	ug/l	97
50) t-1,3-Dichloropropene	8.24	75	3212	0.569	ug/l	92
51) cis-1,3-Dichloropropene	7.64	75	3709	0.542	ug/l #	78
52) 1,1,2-Trichloroethane	8.43	97	1835	0.540	ug/l	97
53) 1,3-Dichloropropane	8.61	76	3455	0.593	ug/l	99
54) 2-Hexanone	8.73	43	6457	3.413	ug/l	84
55) Dibromochloromethane	8.84	129	2449	0.626	ug/l	97
56) 1,2-Dibromoethane	8.95	107	1719	0.525	ug/l	98
58) Tetrachloroethene	8.57	164	2617	0.520	ug/l	90
59) Chlorobenzene	9.47	112	7095	0.547	ug/l	94
60) 1,1,1,2-Tetrachloroethane	9.56	131	2373	0.573	ug/l	98
61) Pentachloroethane	11.45	117	1873	0.701	ug/l	83
62) Hexachloroethane	12.49	117	1874	0.550	ug/l	88
63) Ethyl Benzene	9.59	91	10821	0.498	ug/l	96
64) m/p-Xylenes	9.72	106	8015	0.931	ug/l	88
65) o-Xylene	10.12	106	3867	0.464	ug/l	94
66) Styrene	10.14	104	5931	0.425	ug/l	95
67) Bromoform	10.31	173	1104	0.493	ug/l #	88
69) Isopropylbenzene	10.50	105	10571	0.483	ug/l	97
70) 1,1,2,2-Tetrachloroethane	10.80	83	2264	0.528	ug/l	89
71) 1,2,3-Trichloropropane	10.84	75	1941m	0.635	ug/l	
72) Bromobenzene	10.81	156	2702	0.512	ug/l	94
73) n-propylbenzene	10.92	120	2630	0.428	ug/l #	65
74) 2-Chlorotoluene	11.01	126	2557	0.485	ug/l	81
75) 1,3,5-Trimethylbenzene	11.11	105	8443	0.450	ug/l	96
76) 4-Chlorotoluene	11.11	126	2350	0.431	ug/l	65
77) tert-Butylbenzene	11.44	119	9229	0.519	ug/l	98
78) 1,2,4-Trimethylbenzene	11.48	105	8535	0.441	ug/l	95
79) sec-Butylbenzene	11.66	105	12169	0.493	ug/l	94
81) p-Isopropyltoluene	11.81	119	8644	0.419	ug/l	96
82) 1,3-Dichlorobenzene	11.77	146	5167	0.490	ug/l	95
83) 1,4-Dichlorobenzene	11.85	146	5440	0.516	ug/l	98
84) n-Butylbenzene	12.23	91	7692	0.403	ug/l #	95
85) 1,2-Dichlorobenzene	12.23	146	5391	0.534	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.02	75	390m	0.538	ug/l	
87) 1,2,4-Trichlorobenzene	13.88	180	2025	0.313	ug/l	95
88) Hexachlorobutadiene	14.06	225	1745	0.493	ug/l #	86
89) Naphthalene	14.13	128	3332	0.299	ug/l	98
90) 1,2,3-Trichlorobenzene	14.37	180	2090	0.344	ug/l	91

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.15 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

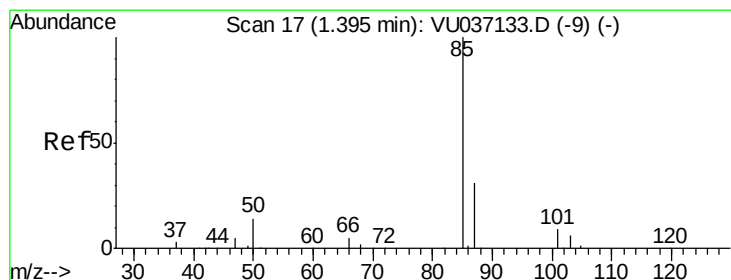
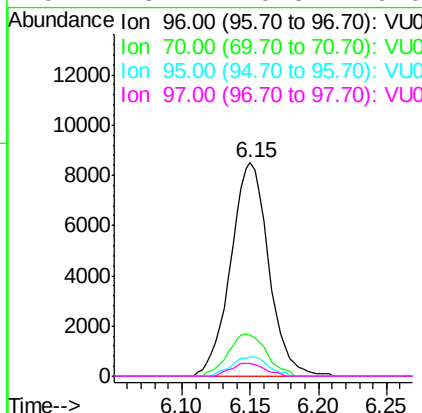
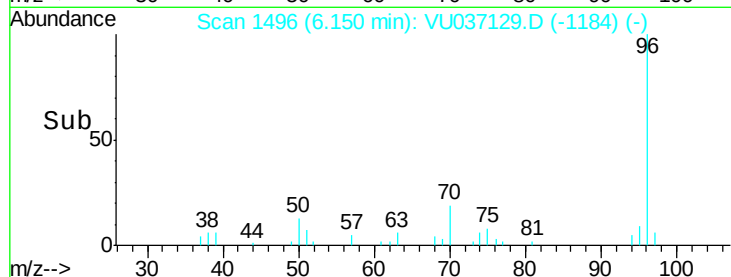
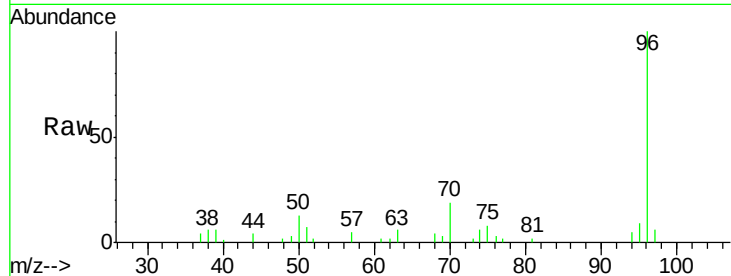
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	16467
Ion Ratio	Lower	Upper	
96	100		
70	20.1	15.6	23.4
95	8.7	7.0	10.6
97	5.4	0.0	0.0#

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#2

Dichlorodifluoromethane

Concen: 0.772 ug/l

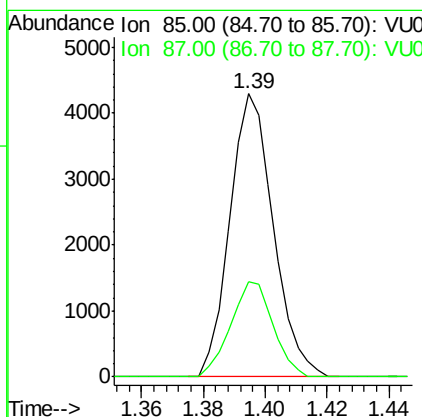
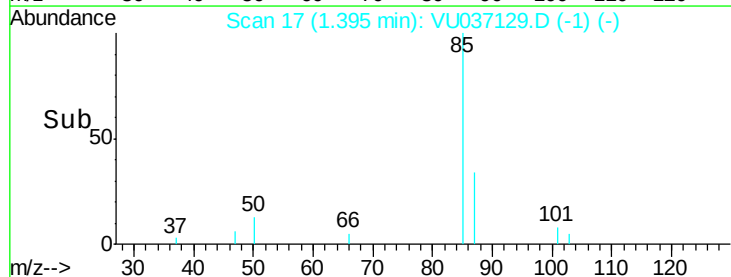
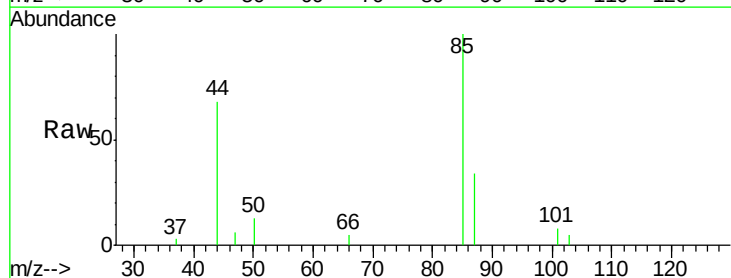
RT: 1.39 min Scan# 17

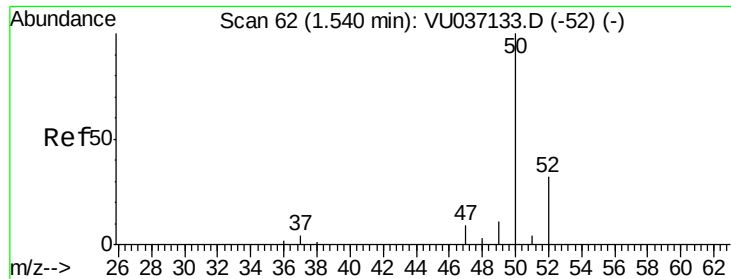
Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	85	Resp:	4202
Ion Ratio	Lower	Upper	
85	100		
87	33.6	16.4	49.2





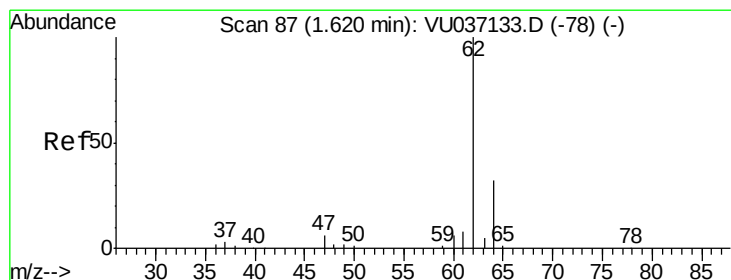
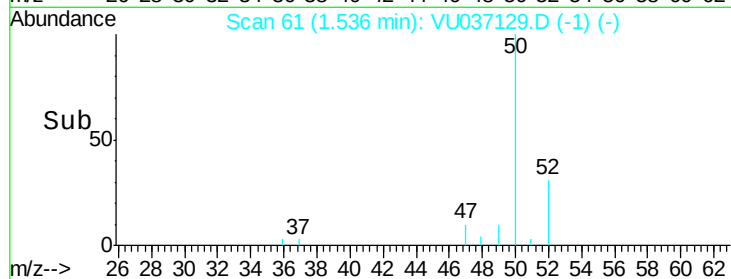
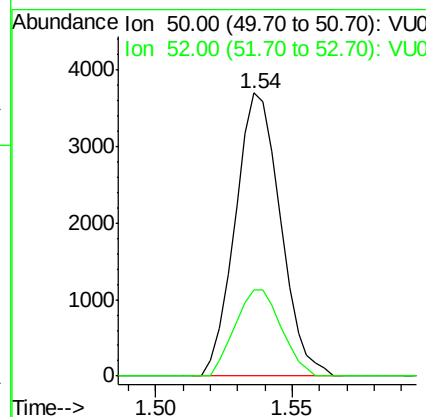
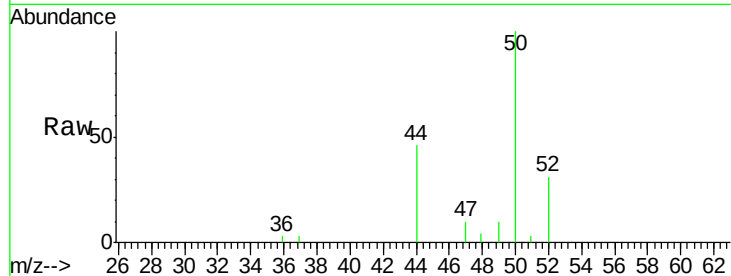
#3
Chloromethane
Concen: 0.731 ug/l
RT: 1.54 min Scan# 61
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
50	100		
52	30.6	26.0	39.0

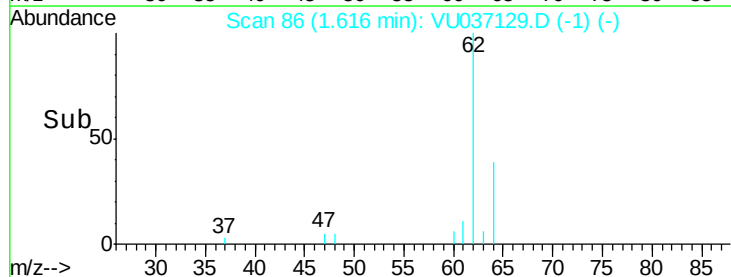
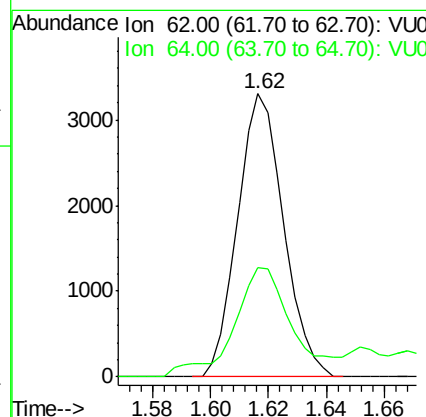
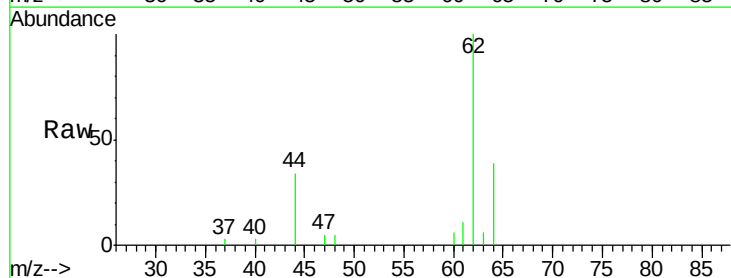
Manual Integrations
APPROVED

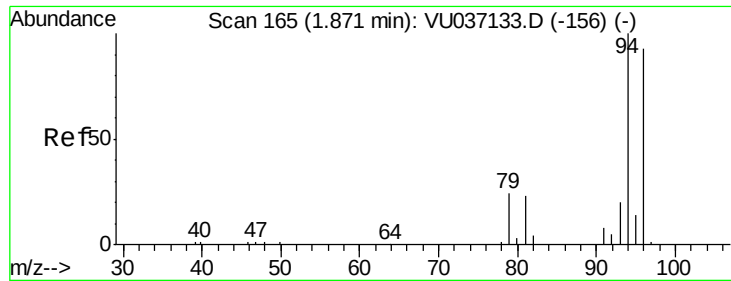
sam
3/10/2020 3:06:14 PM



#4
Vinyl Chloride
Concen: 0.550 ug/l
RT: 1.62 min Scan# 86
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
62	100		
64	34.0	25.4	38.2





#5

Bromomethane

Concen: 0.369 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 94 Resp: 1516

Ion Ratio Lower Upper

94 100

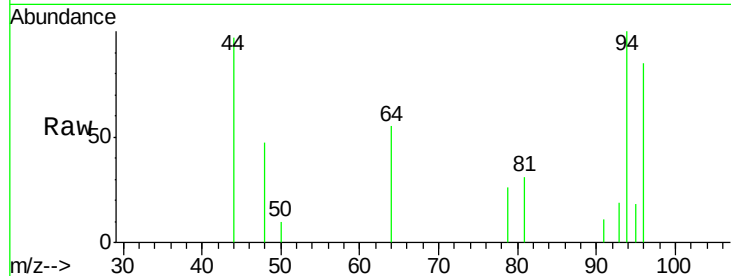
96 85.3 74.6 112.0

Manual Integrations

APPROVED

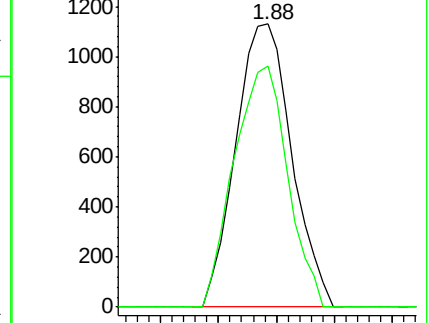
sam

3/10/2020 3:06:14 PM

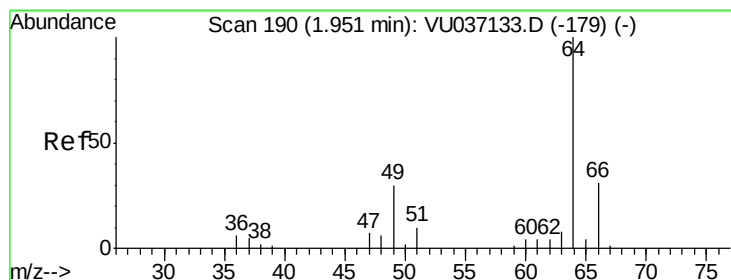
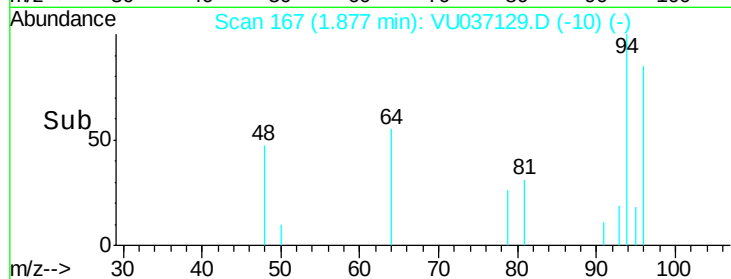


Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



Time-->



#6

Chloroethane

Concen: 0.469 ug/l

RT: 1.95 min Scan# 191

Delta R.T. 0.00 min

Lab File: VU037129.D

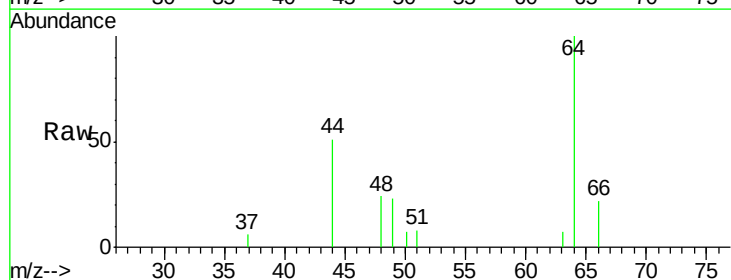
Acq: 09 Mar 2020 12:23

Tgt Ion: 64 Resp: 1838

Ion Ratio Lower Upper

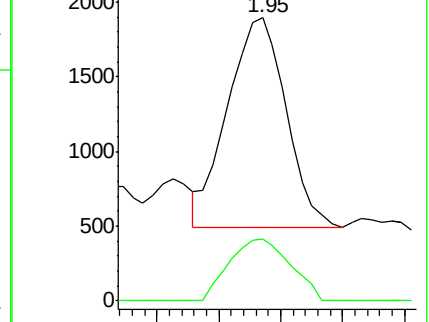
64 100

66 29.7 25.5 38.3

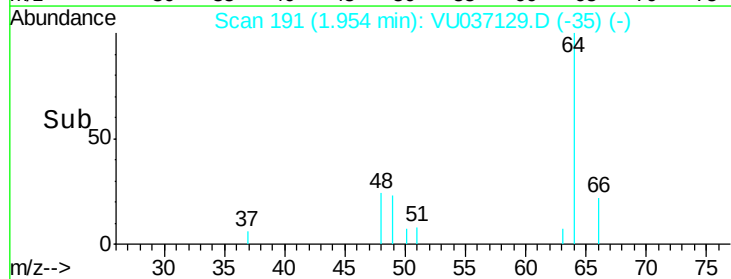


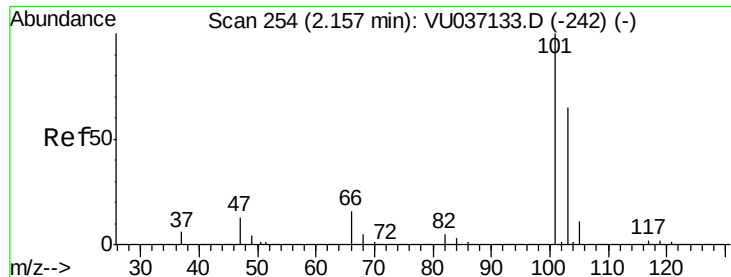
Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



Time-->





#7

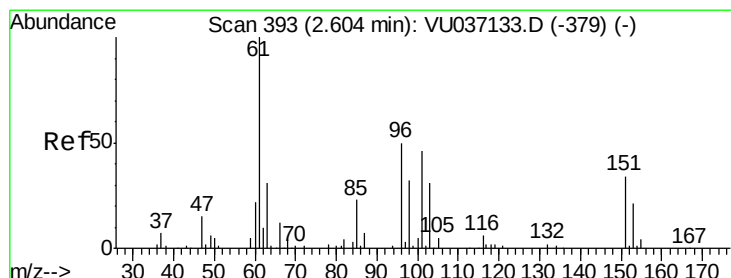
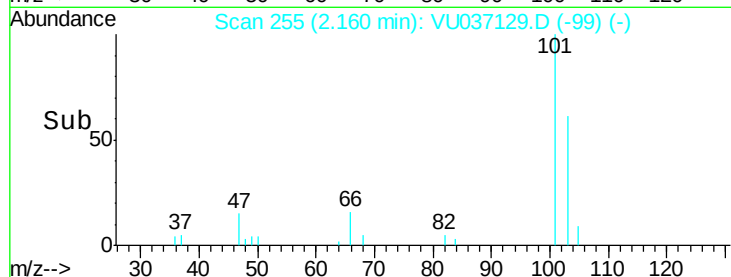
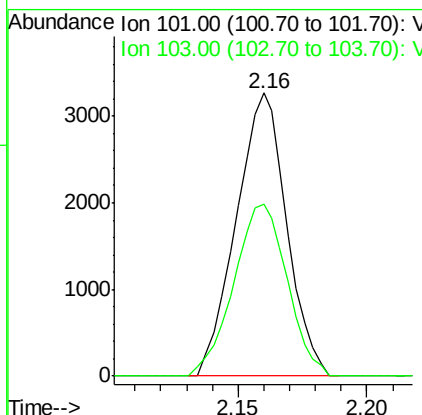
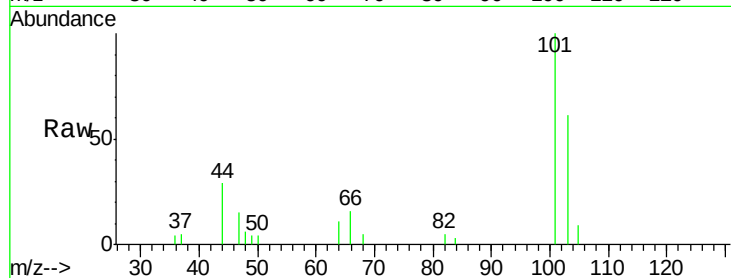
Trichlorofluoromethane
 Concen: 0.683 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.8	53.0	79.6

Manual Integrations
 APPROVED

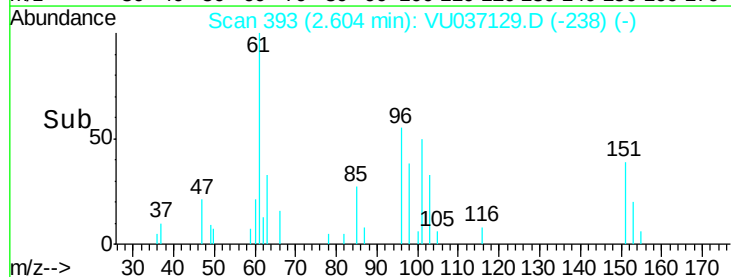
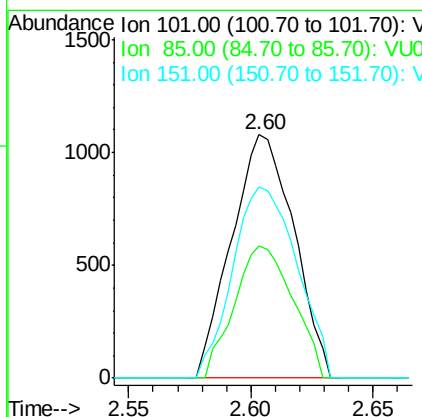
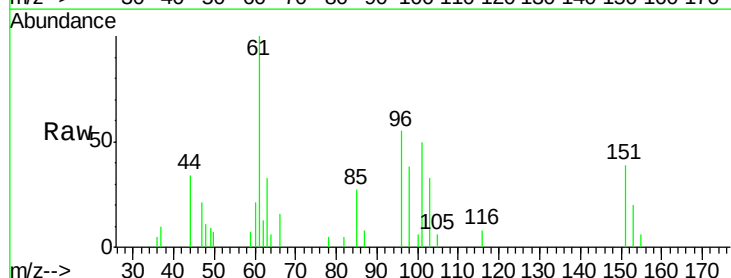
sam
 3/10/2020 3:06:14 PM

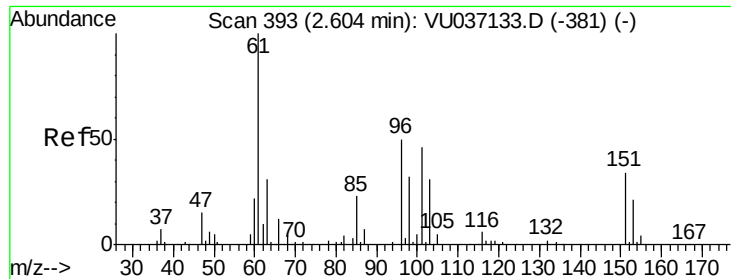


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.469 ug/l
 RT: 2.60 min Scan# 393
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
101	100		
85	51.3	33.9	50.9#
151	81.1	59.8	89.8





#9

1,1-Dichloroethene

Concen: 0.490 ug/l

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

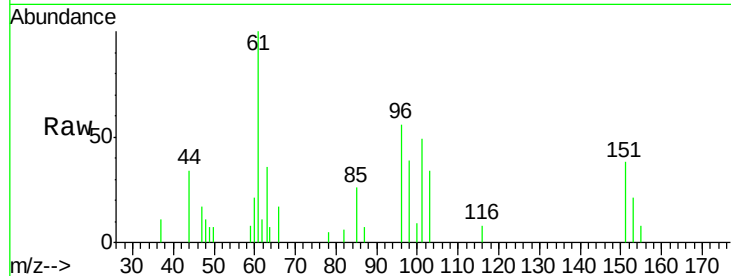
ClientSampleId :

VSTDIC0.5

Tot Ion:	96	Resp:	2121
Ion	Ratio	Lower	Upper
96	100		
61	179.9	0.0	463.2
98	69.7	0.0	130.0

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



Abundance Ion 96.00 (95.70 to 96.70): VU037129.D (-381) (-)

Ion 61.00 (60.70 to 61.70): VU037129.D (-381) (-)

Ion 98.00 (97.70 to 98.70): VU037129.D (-381) (-)

Time-->

2.55 2.60 2.65

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

2.61

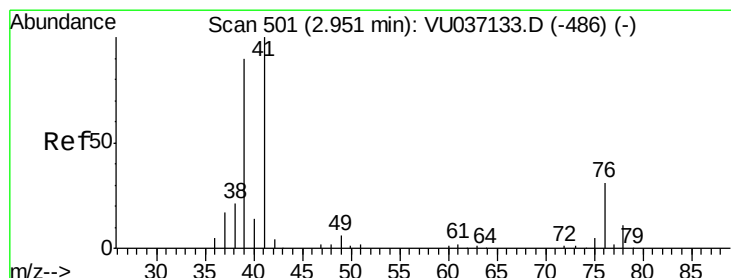
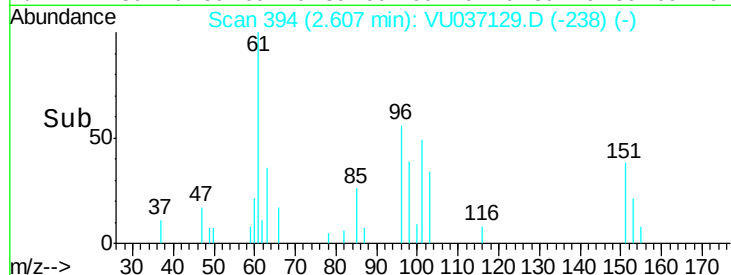
2.61

2.61

2.61

2.61

2.61



#11

Allyl Chloride

Concen: 0.658 ug/l m

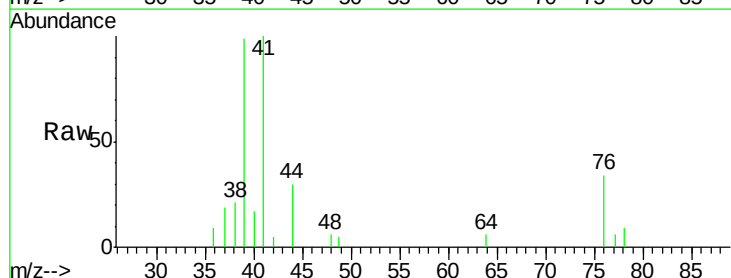
RT: 2.95 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	41	Resp:	3942
Ion	Ratio	Lower	Upper
41	100		
39	3.2	50.7	76.1#



Abundance Ion 41.00 (40.70 to 41.70): VU037129.D (-486) (-)

Ion 39.00 (38.70 to 39.70): VU037129.D (-486) (-)

Time-->

2.80 2.90 3.00

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

2.95

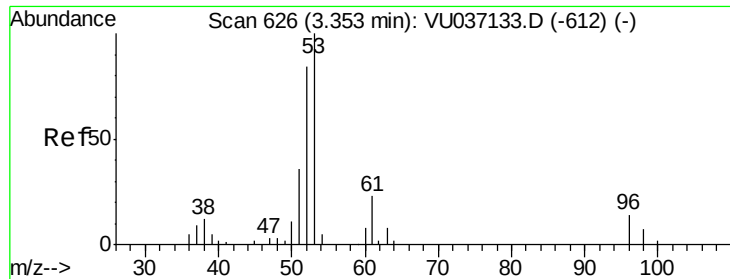
2.95

2.95

2.95

2.95

2.95



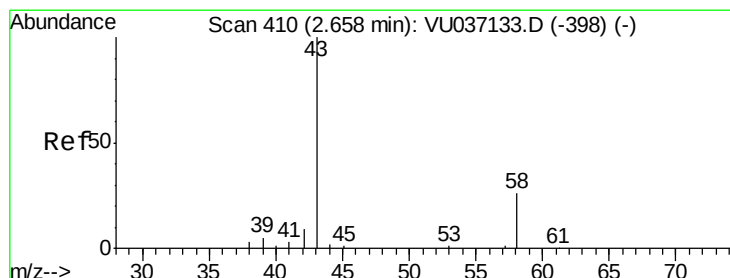
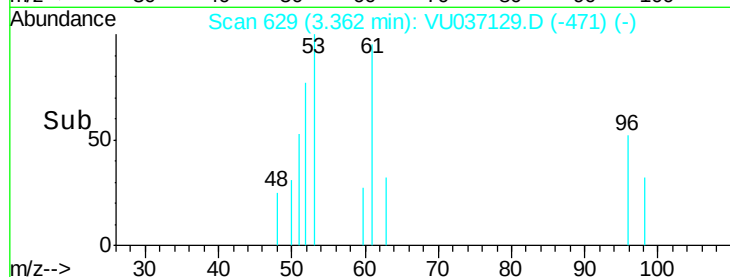
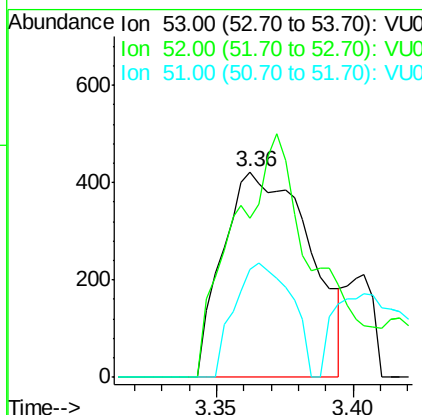
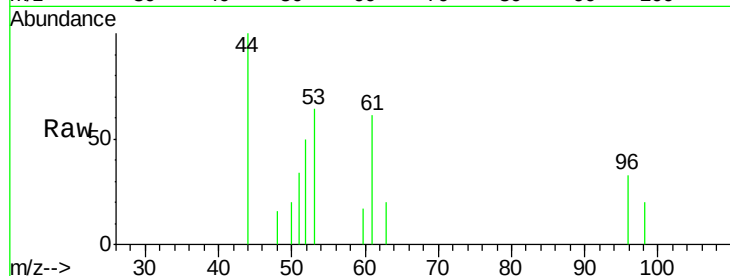
#12
 Acrylonitrile
 Concen: 0.877 ug/l
 RT: 3.36 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
53	100		
52	112.1	64.6	97.0#
51	36.5	27.2	40.8

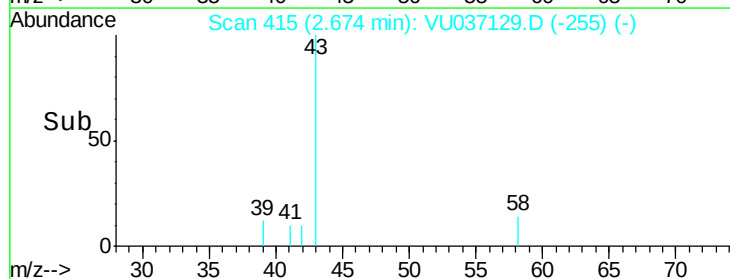
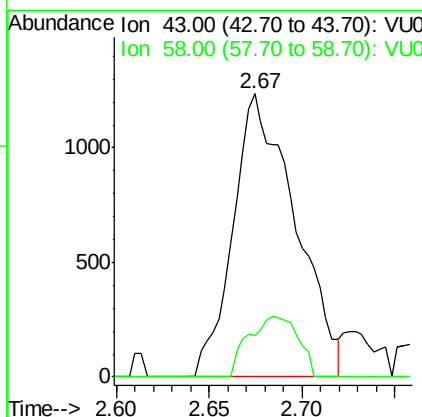
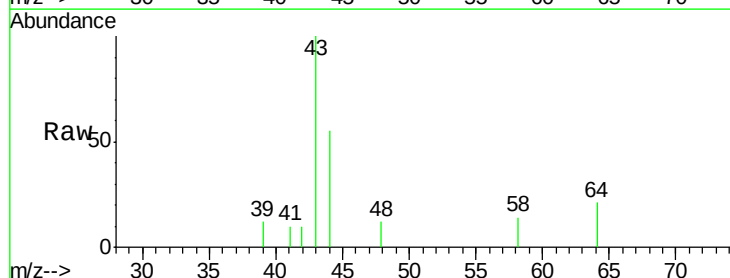
Manual Integrations
 APPROVED

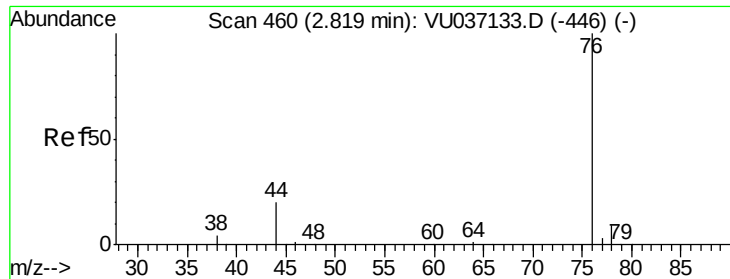
sam
 3/10/2020 3:06:14 PM



#13
 Acetone
 Concen: 3.316 ug/l
 RT: 2.67 min Scan# 415
 Delta R.T. 0.02 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	14.5	30.8	46.2#





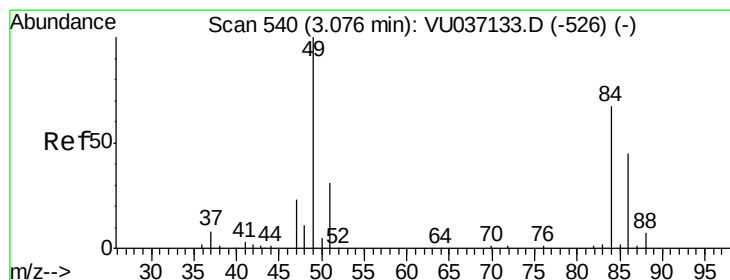
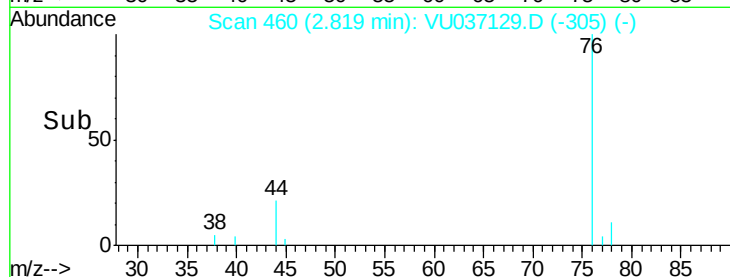
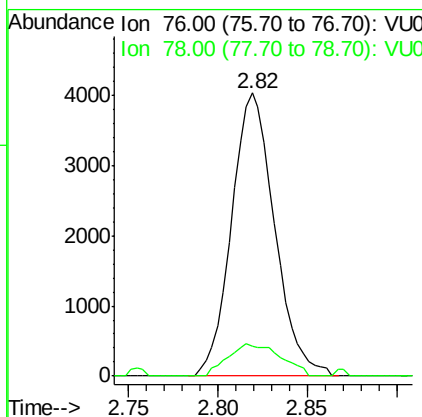
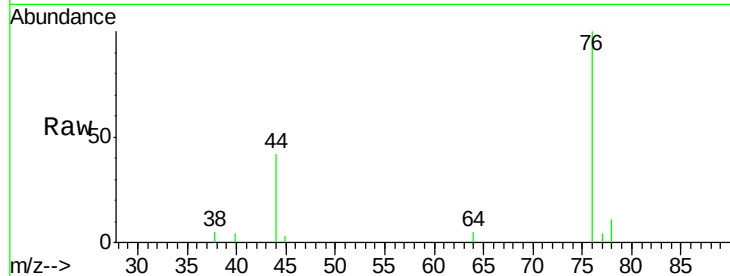
#14
Carbon Disulfide
Concen: 0.453 ug/l
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 76 Resp: 6796
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0

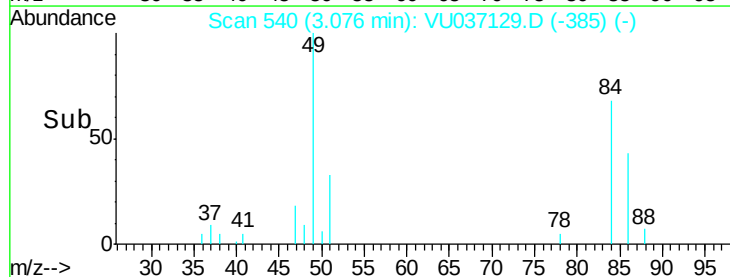
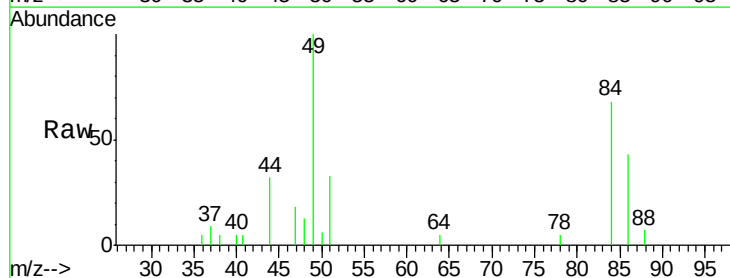
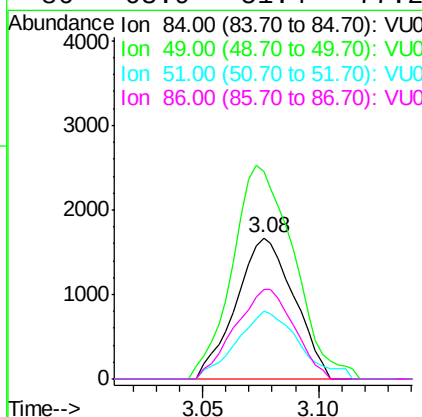
Manual Integrations
APPROVED

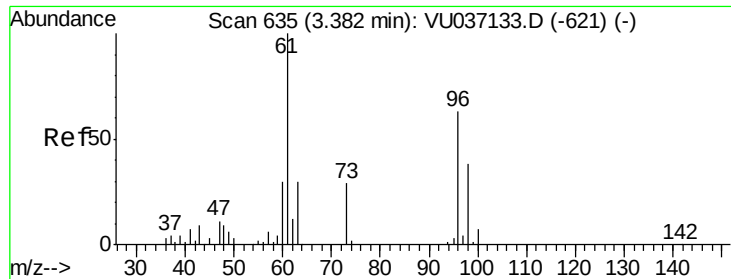
sam
3/10/2020 3:06:14 PM



#15
Methylene Chloride
Concen: 0.507 ug/l
RT: 3.08 min Scan# 540
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 84 Resp: 2893
Ion Ratio Lower Upper
84 100
49 147.5 89.7 134.5#
51 48.0 0.0 71.6
86 63.9 51.4 77.2





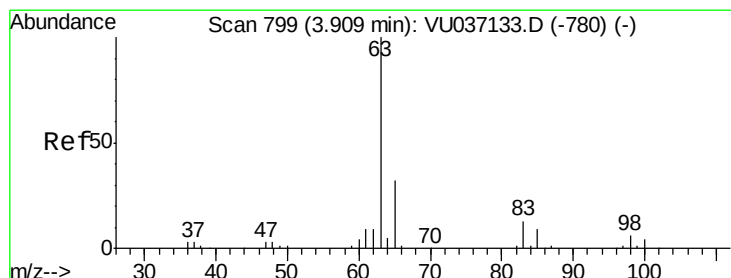
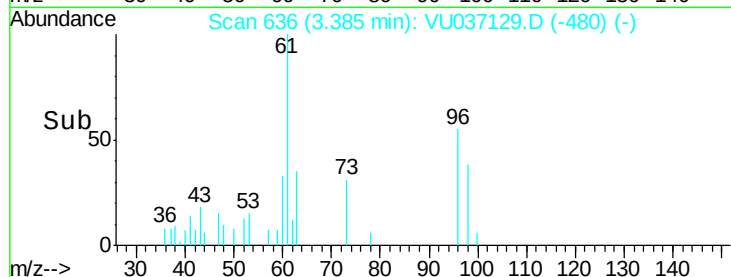
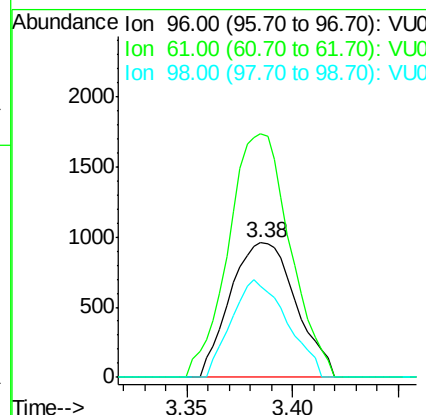
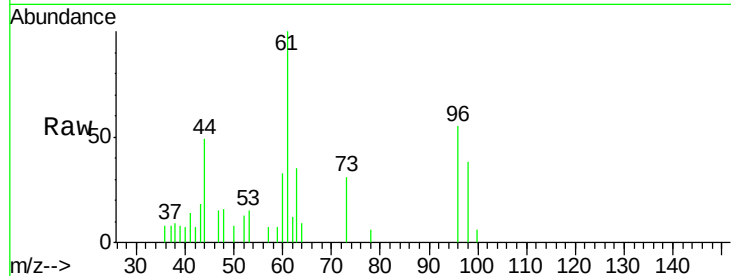
#16
trans-1,2-Dichloroethene
Concen: 0.434 ug/l
RT: 3.38 min Scan# 636
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampled :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
96	100		
61	180.9	110.8	166.2#
98	68.1	50.3	75.5

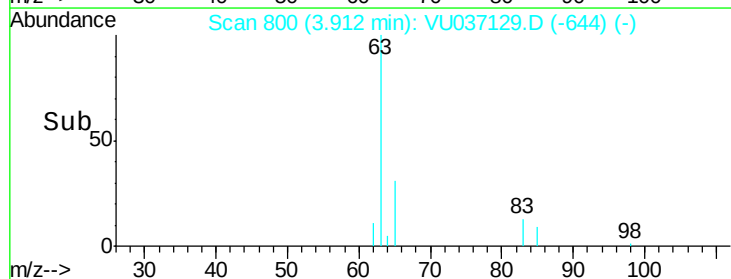
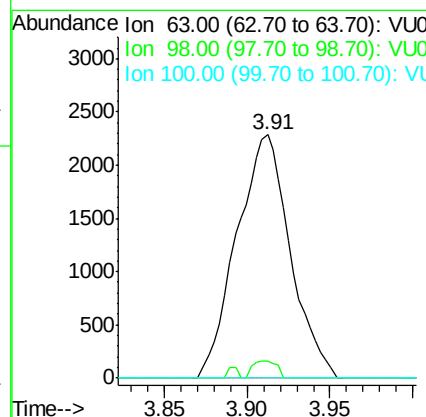
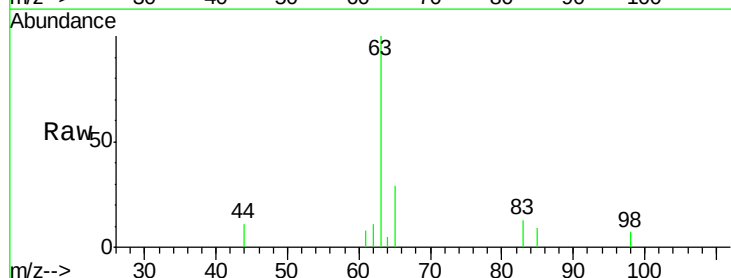
Manual Integrations
APPROVED

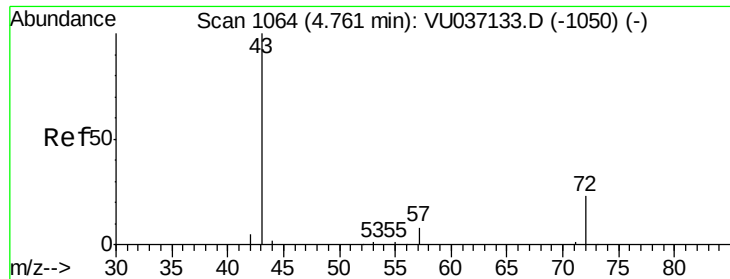
sam
3/10/2020 3:06:14 PM



#17
1,1-Dichloroethane
Concen: 0.658 ug/l
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.5
100	0.0	2.4	7.1#





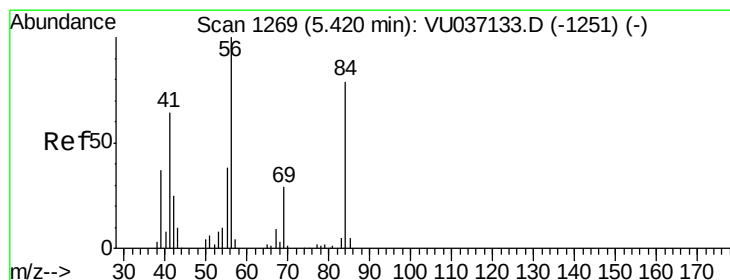
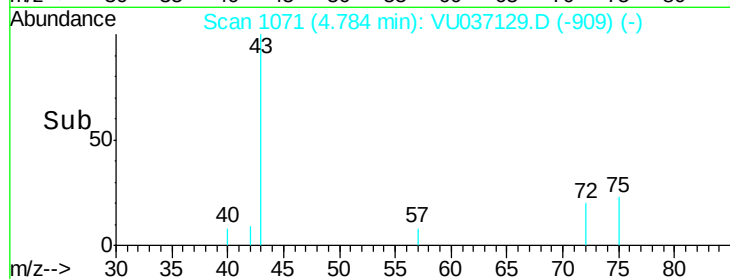
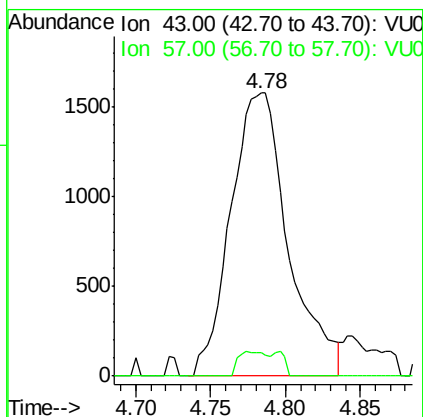
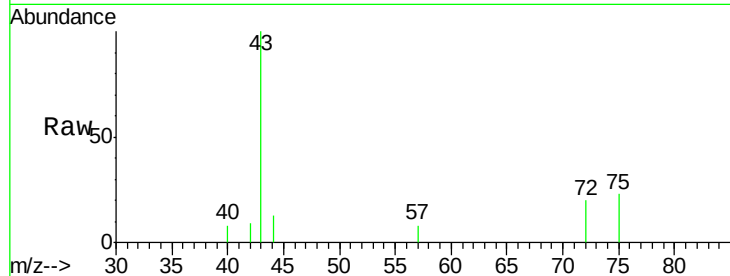
#18
2-Butanone
Concen: 3.724 ug/l
RT: 4.78 min Scan# 1071
Delta R.T. 0.02 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
57	8.4	0.0	17.8

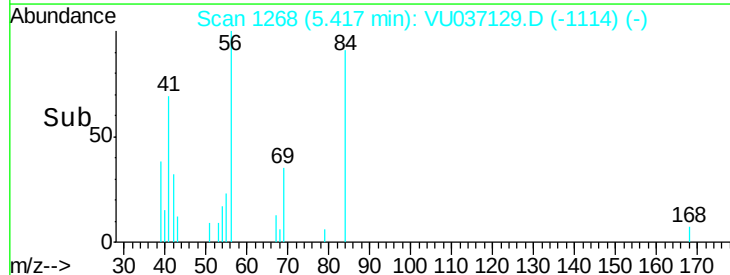
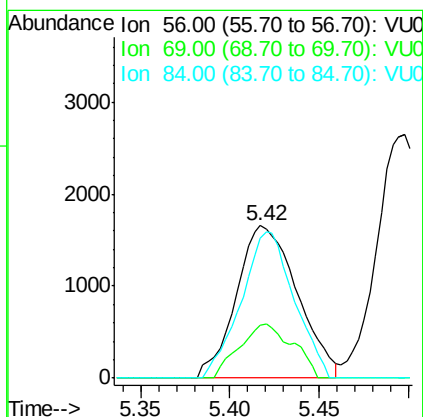
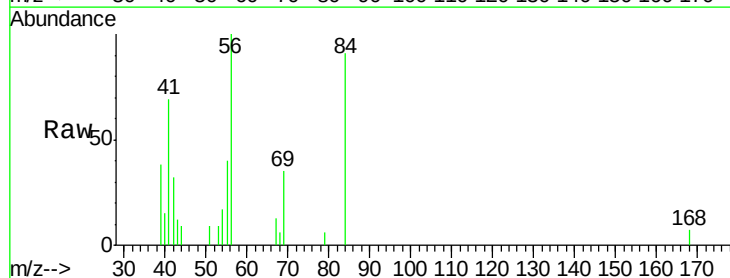
Manual Integrations
APPROVED

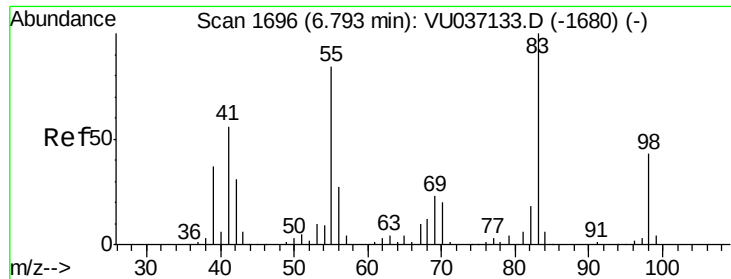
sam
3/10/2020 3:06:14 PM



#19
Cyclohexane
Concen: 0.549 ug/l m
RT: 5.42 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.2	39.2
84	83.3	72.8	109.2





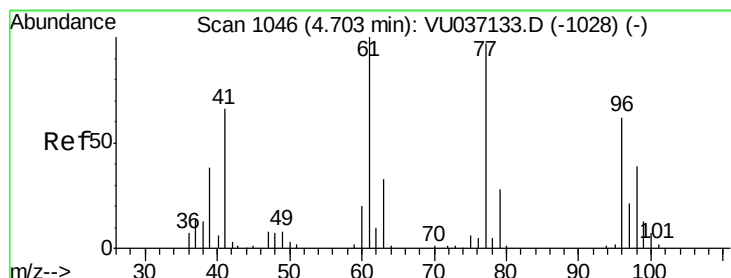
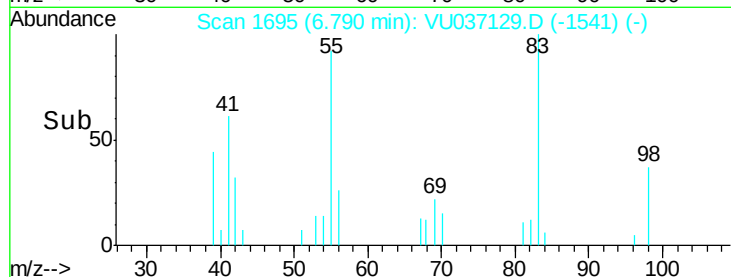
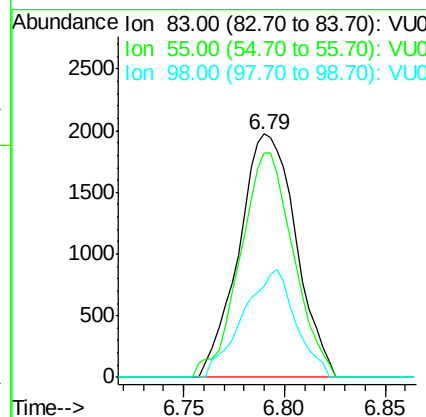
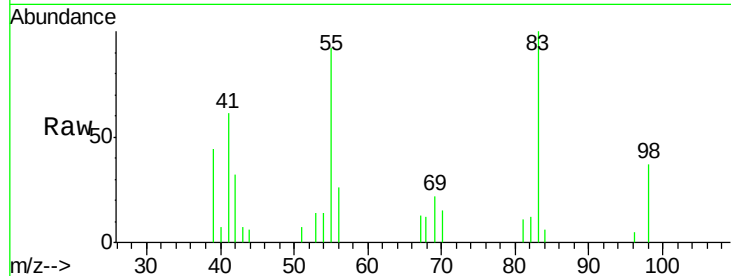
#20
Methylvlcyclohexane
Concen: 0.490 ug/l
RT: 6.79 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	56.6	85.0#
98	40.8	37.5	56.3

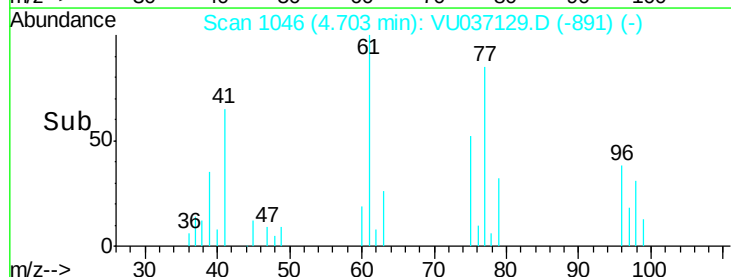
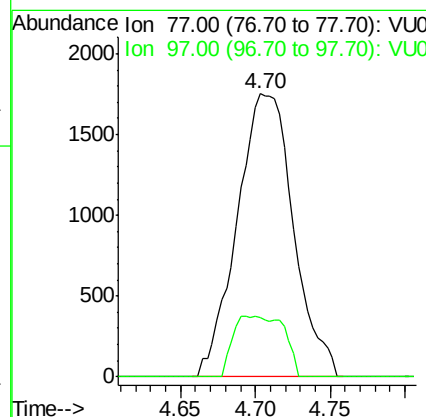
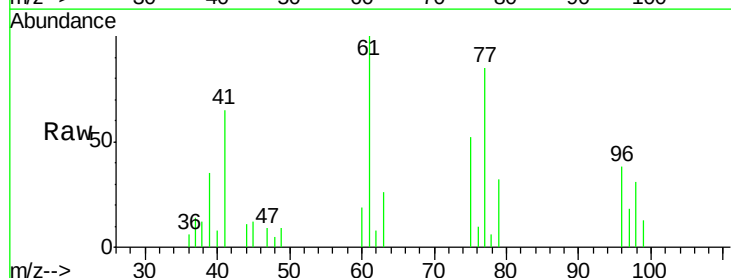
Manual Integrations
APPROVED

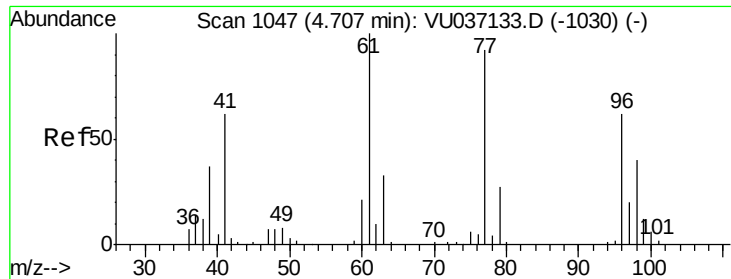
sam
3/10/2020 3:06:14 PM



#21
2,2-Dichloropropane
Concen: 0.691 ug/l
RT: 4.70 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
77	100		
97	19.3	19.0	28.4





#22

cis-1,2-Dichloroethene

Concen: 0.453 ug/l

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

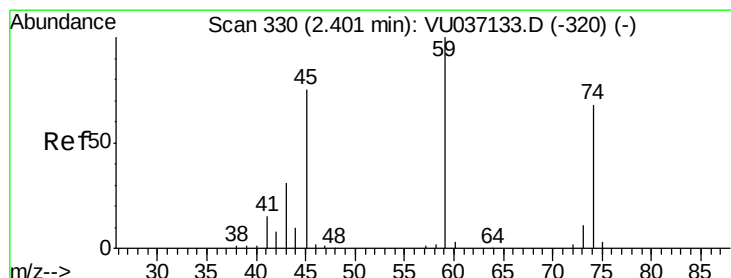
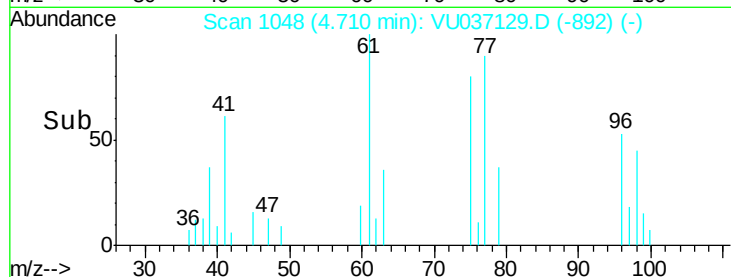
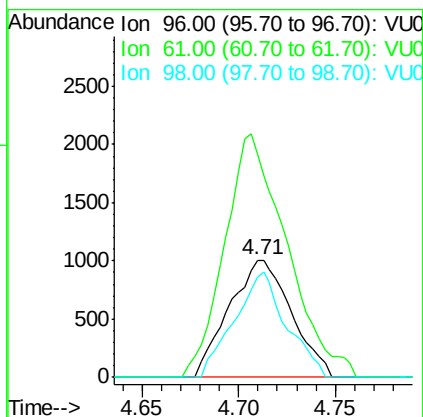
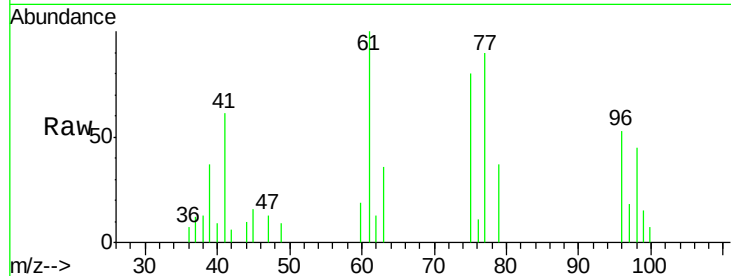
ClientSampled :

VSTDIC0.5

Tot Ion:	96	Resp:	2247
Ion	Ratio	Lower	Upper
96	100		
61	208.1	0.0	342.0
98	75.1	32.0	96.0

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#23

Diethyl Ether

Concen: 0.527 ug/l

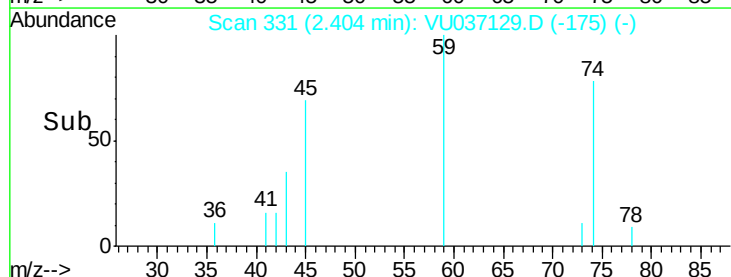
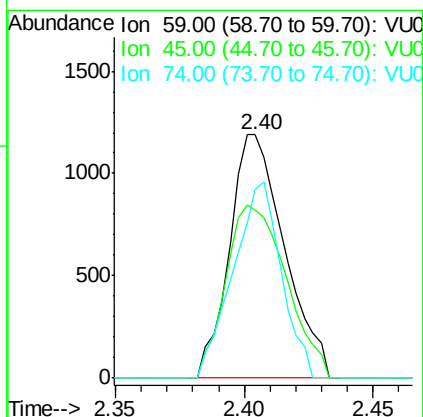
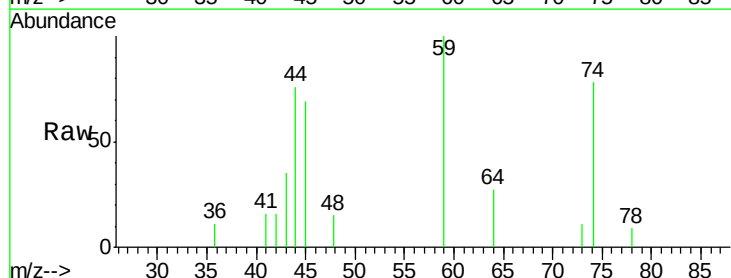
RT: 2.40 min Scan# 331

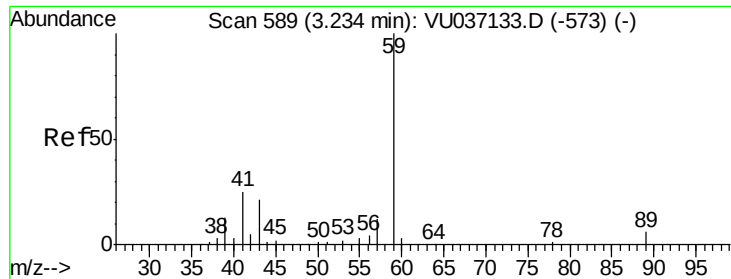
Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	59	Resp:	1764
Ion	Ratio	Lower	Upper
59	100		
45	78.1	52.4	78.6
74	70.2	62.1	93.1





#24

tert-Butyl Alcohol

Concen: 4.747 ug/l m

RT: 3.30 min Scan# 609

Delta R.T. 0.06 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 1419

Ion Ratio Lower Upper

59 100

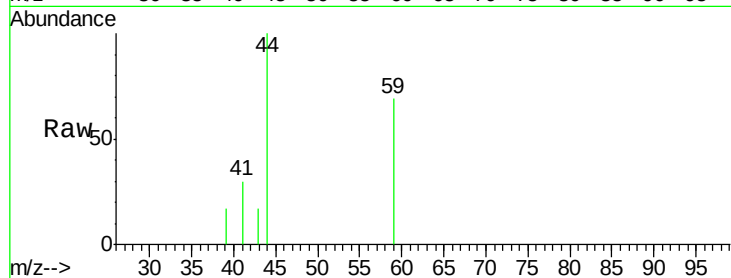
57 0.0 8.4 12.6#

Manual Integrations

APPROVED

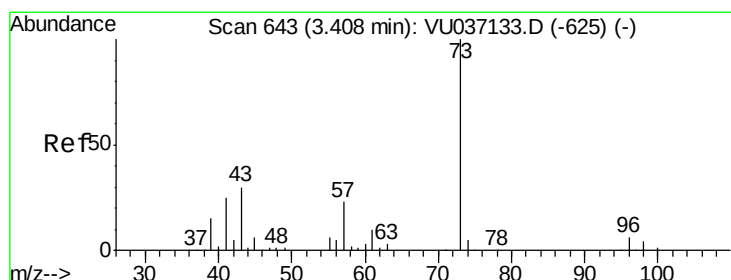
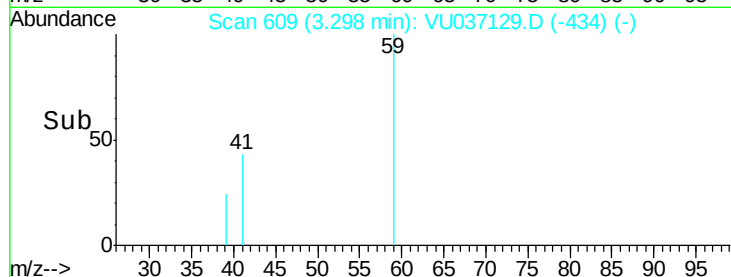
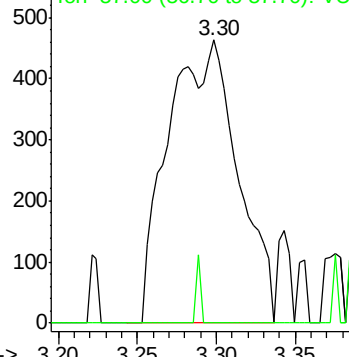
sam

3/10/2020 3:06:14 PM



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#25

Methyl tert-Butyl Ether

Concen: 0.523 ug/l

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU037129.D

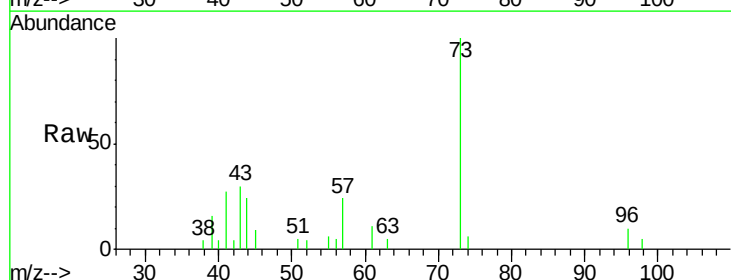
Acq: 09 Mar 2020 12:23

Tgt Ion: 73 Resp: 5937

Ion Ratio Lower Upper

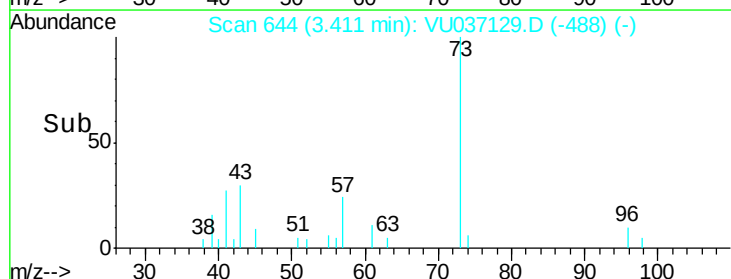
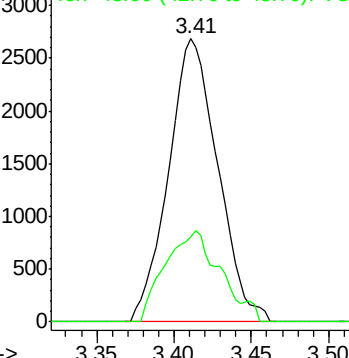
73 100

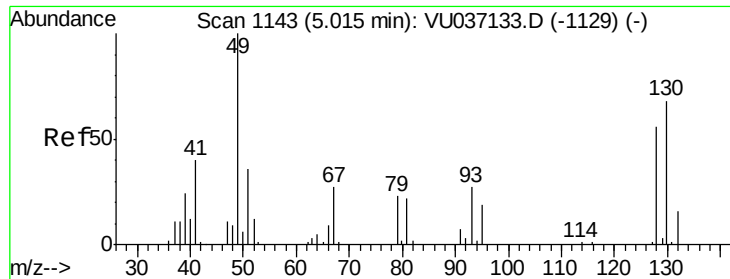
43 36.3 14.5 21.7#



Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0





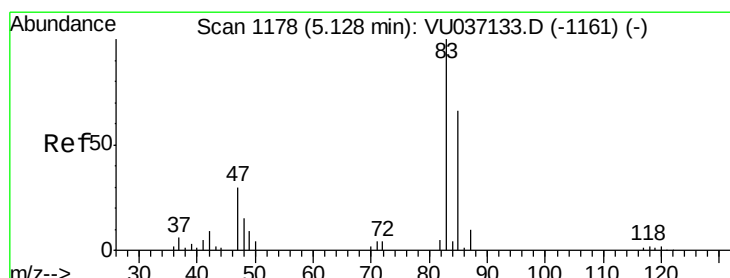
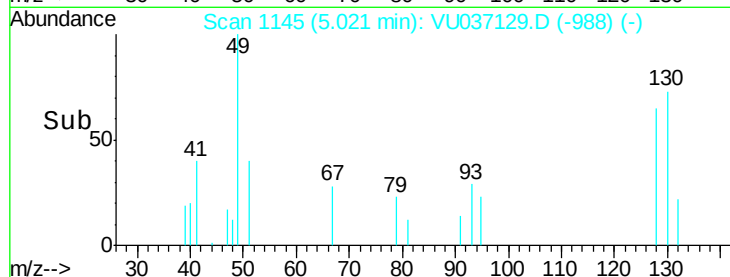
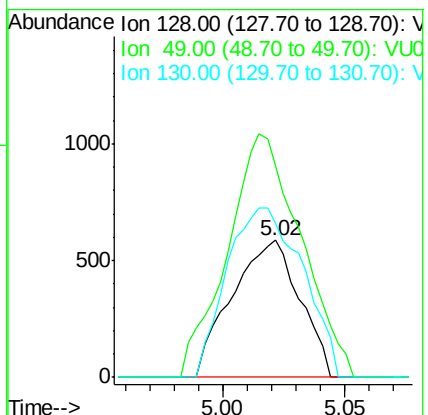
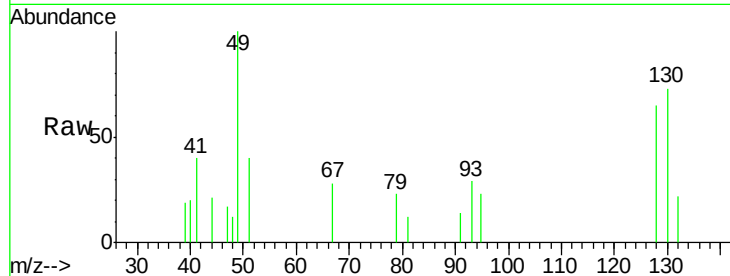
#26
Bromochloromethane
Concen: 0.528 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:128 Resp: 1133
Ion Ratio Lower Upper
128 100
49 191.5 0.0 286.2
130 138.2 104.3 156.5

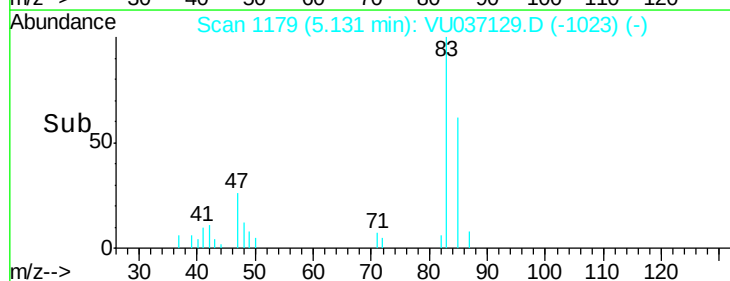
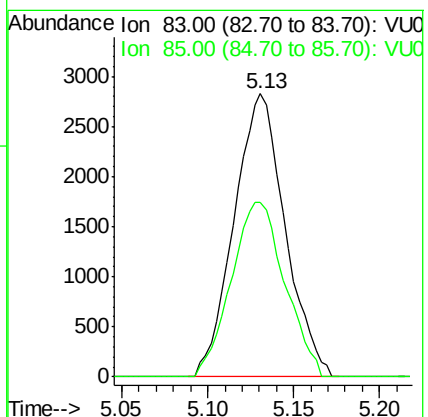
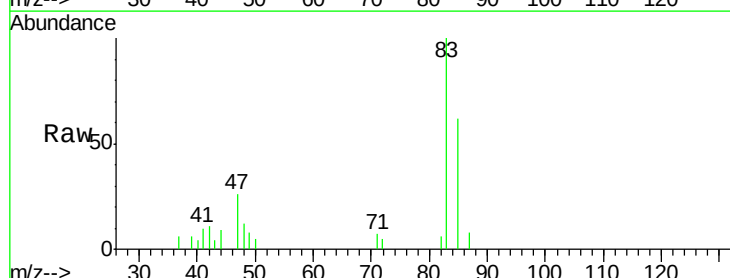
Manual Integrations
APPROVED

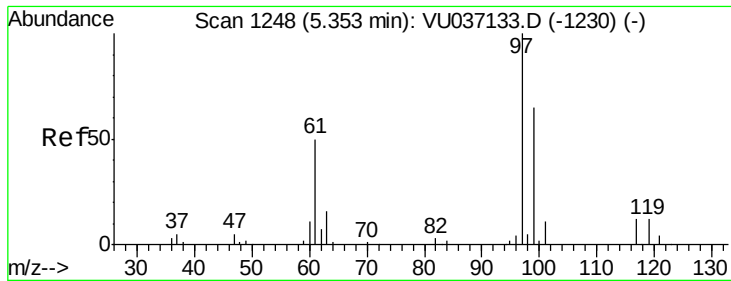
sam
3/10/2020 3:06:14 PM



#27
Chloroform
Concen: 0.756 ug/l
RT: 5.13 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 83 Resp: 5822
Ion Ratio Lower Upper
83 100
85 61.8 0.0 129.0





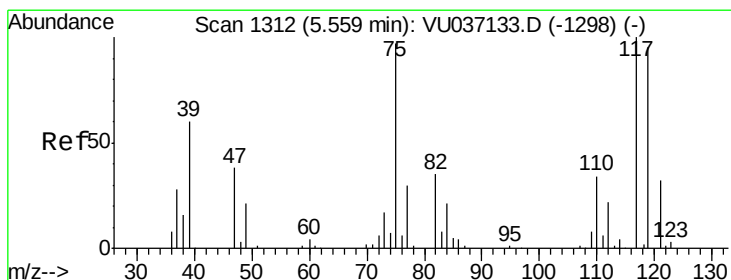
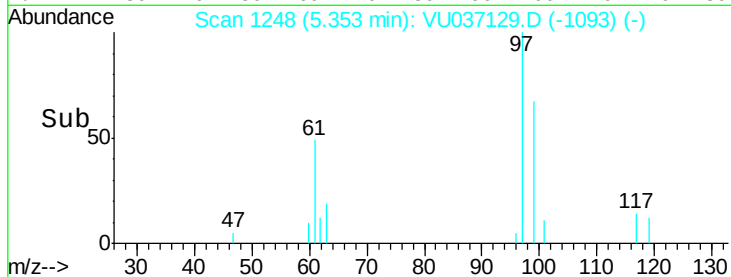
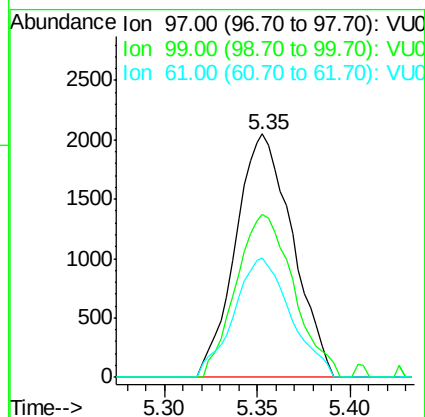
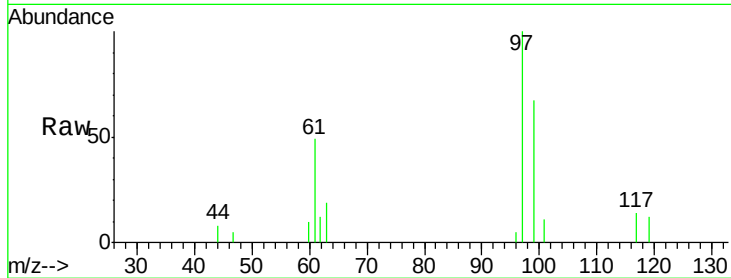
#28
 1,1,1-Trichloroethane
 Concen: 0.676 ug/l
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
97	100		
99	67.7	32.1	96.3
61	48.9	22.7	68.0

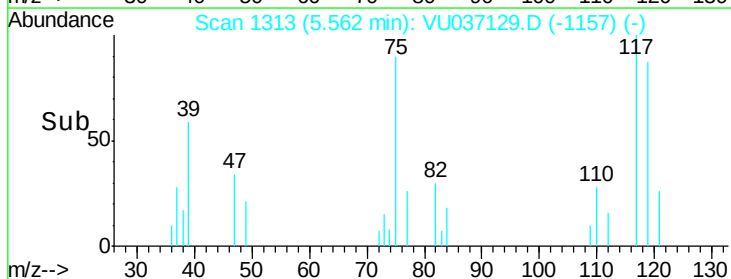
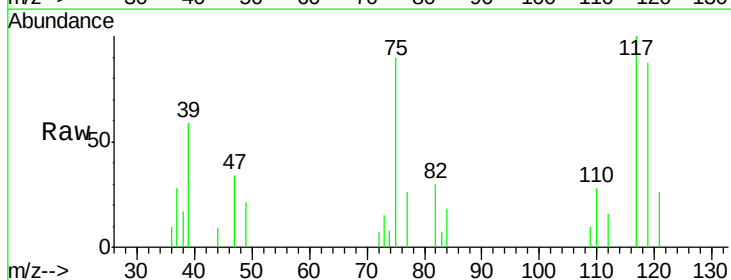
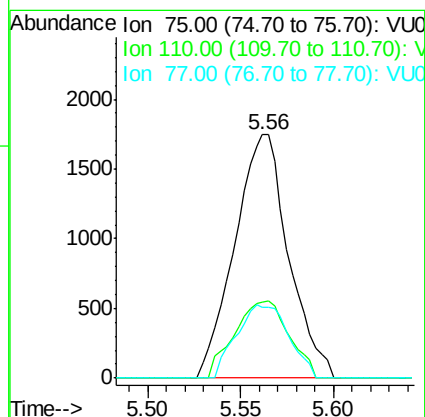
Manual Integrations
 APPROVED

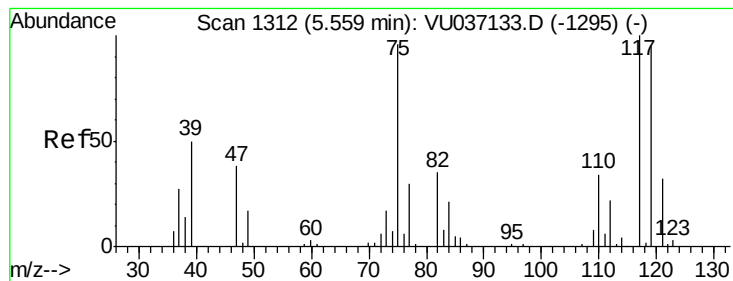
sam
 3/10/2020 3:06:14 PM



#29
 1,1-Dichloropropene
 Concen: 0.560 ug/l
 RT: 5.56 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	18.6	55.8
77	29.2	25.0	37.4





#30

Carbon Tetrachloride

Concen: 0.717 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 3962

Ion Ratio Lower Upper

117 100

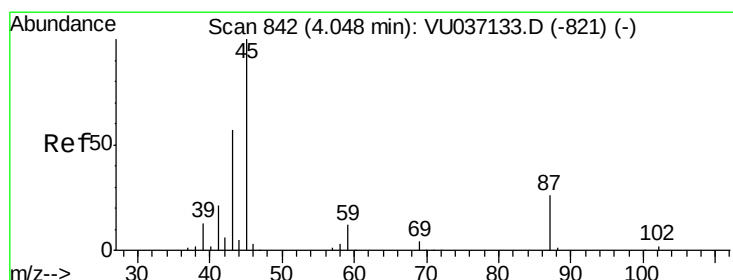
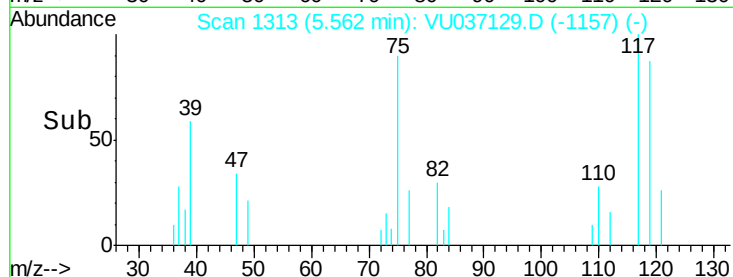
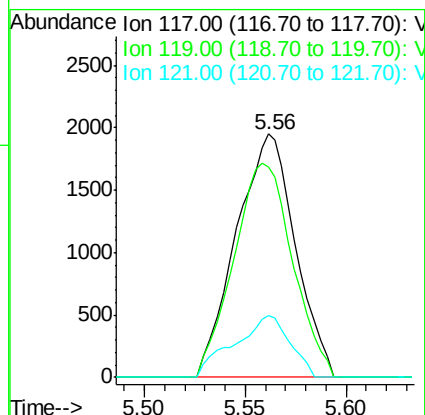
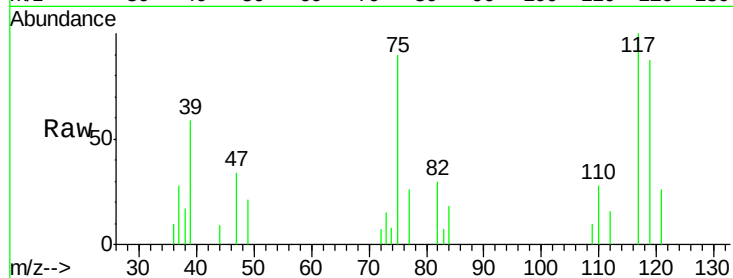
119 86.6 77.0 115.6

121 25.6 23.3 34.9

Manual Integrations
APPROVED

sam

3/10/2020 3:06:14 PM



#31

Isopropyl Ether

Concen: 0.664 ug/l

RT: 4.05 min Scan# 842

Delta R.T. -0.00 min

Lab File: VU037129.D

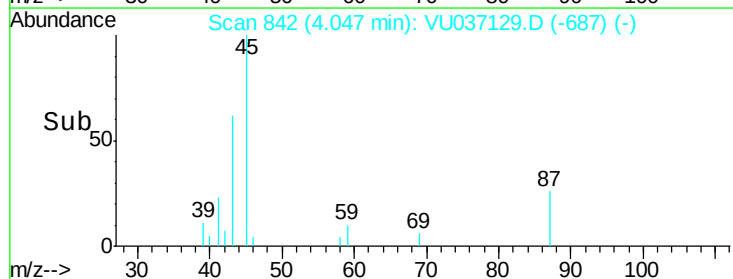
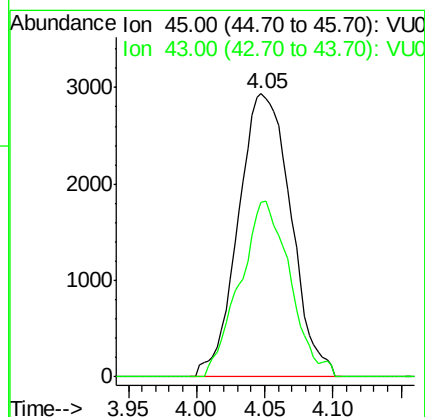
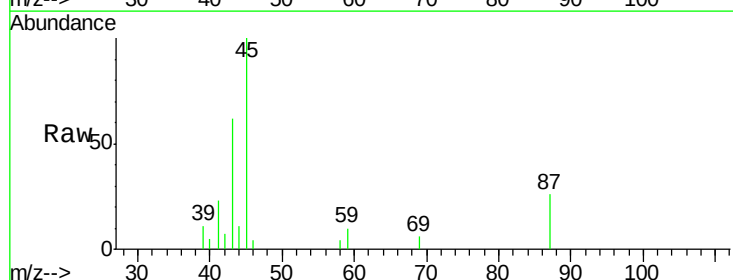
Acq: 09 Mar 2020 12:23

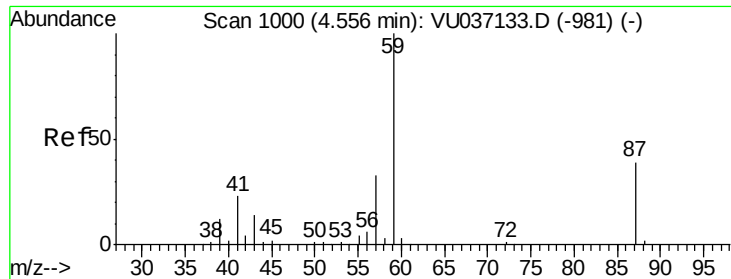
Tgt Ion: 45 Resp: 7842

Ion Ratio Lower Upper

45 100

43 59.4 24.0 72.0





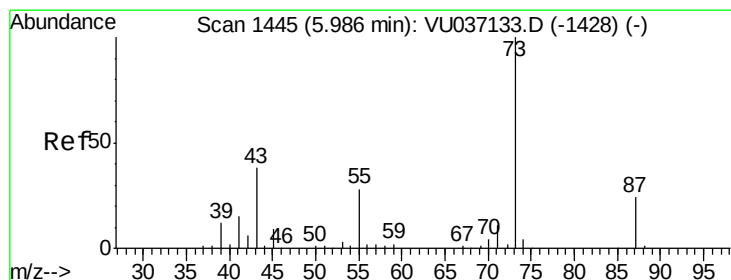
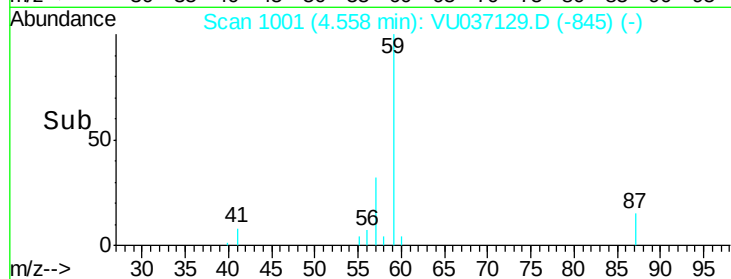
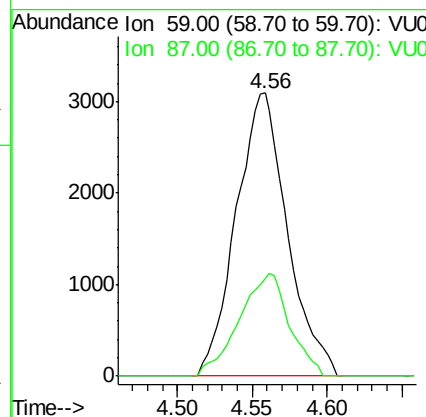
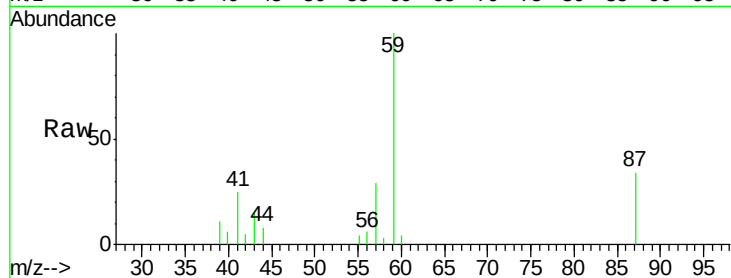
#32
Ethyl-t-butyl ether
Concen: 0.596 ug/l
RT: 4.56 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 59 Resp: 7367
Ion Ratio Lower Upper
59 100
87 35.4 35.1 52.7

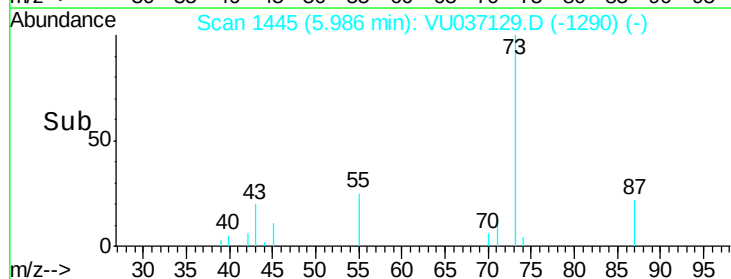
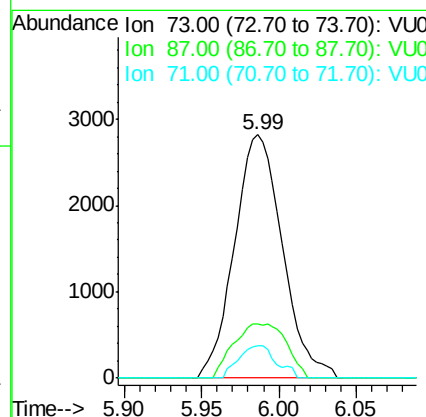
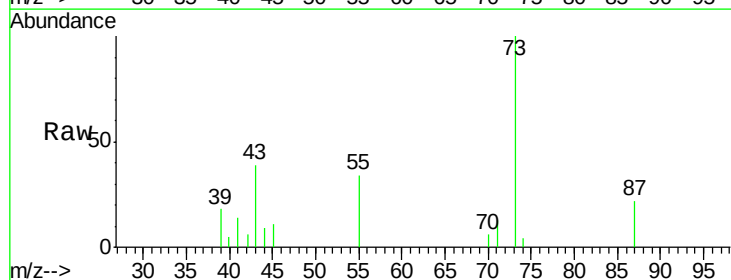
Manual Integrations
APPROVED

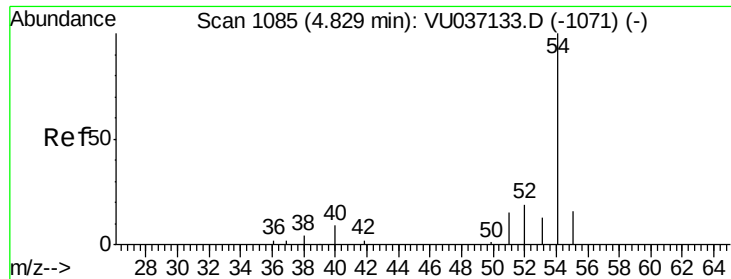
sam
3/10/2020 3:06:14 PM



#33
Tert-Amyl methyl ether
Concen: 0.538 ug/l
RT: 5.99 min Scan# 1445
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 73 Resp: 6086
Ion Ratio Lower Upper
73 100
87 24.5 19.8 29.6
71 10.3 9.1 13.7





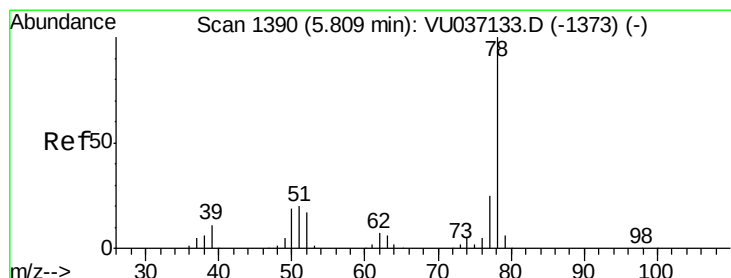
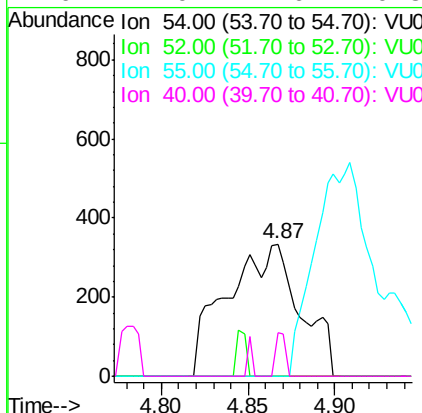
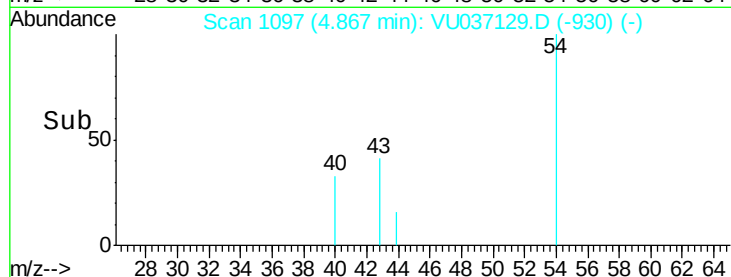
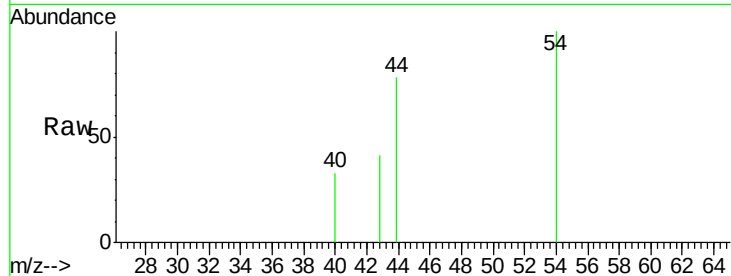
#34
 Propionitrile
 Concen: 2.997 ug/l m
 RT: 4.87 min Scan# 1097
 Delta R.T. 0.04 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	54	Resp:	985
Ion	Ratio	Lower	Upper
54	100		
52	4.4	15.2	22.8#
55	0.0	9.5	14.3#
40	2.0	4.6	6.8#

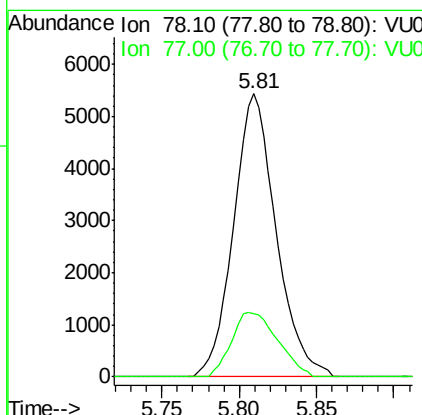
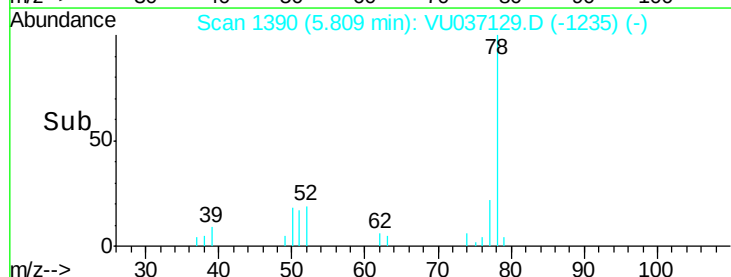
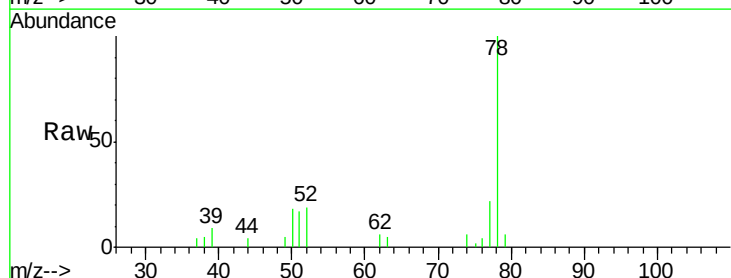
Manual Integrations
 APPROVED

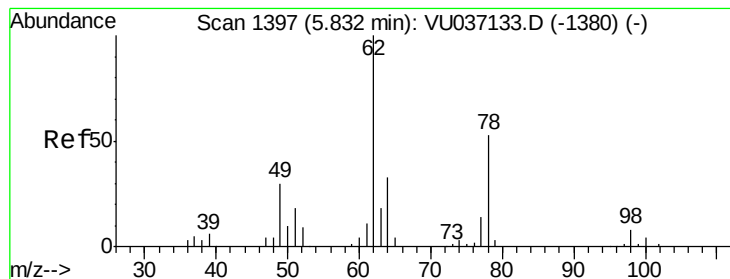
sam
 3/10/2020 3:06:14 PM



#35
 Benzene
 Concen: 0.570 ug/l
 RT: 5.81 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:	78	Resp:	10393
Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.4	29.0





#36

1,2-Dichloroethane

Concen: 0.827 ug/l

RT: 5.84 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 4060

Ion Ratio Lower Upper

62 100

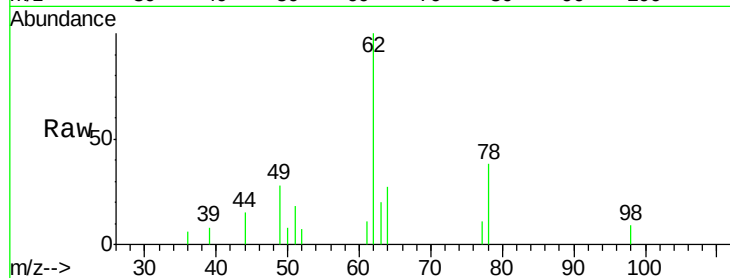
98 5.6 7.8 11.8#

Manual Integrations

APPROVED

sam

3/10/2020 3:06:14 PM



Abundance Ion 62.00 (61.70 to 62.70): VU037133.D (-1380) (-)

Ion 98.00 (97.70 to 98.70): VU037133.D (-1380) (-)

5.84

2000

1500

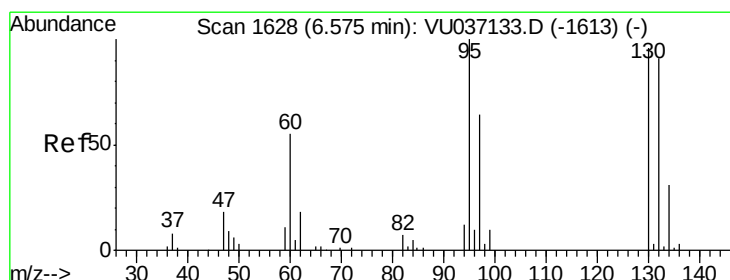
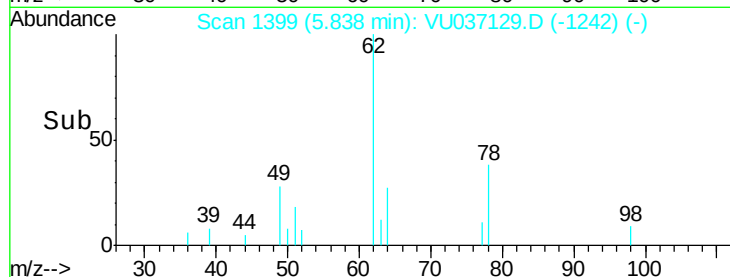
1000

500

0

5.80 5.85 5.90

Time-->



#37

Trichloroethene

Concen: 0.548 ug/l

RT: 6.57 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VU037129.D

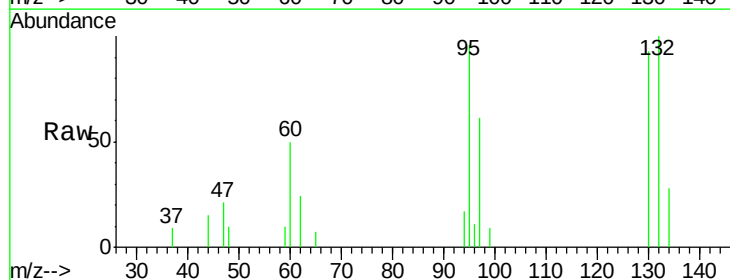
Acq: 09 Mar 2020 12:23

Tgt Ion: 130 Resp: 2762

Ion Ratio Lower Upper

130 100

95 103.7 77.0 115.4



Abundance Ion 129.90 (129.60 to 130.60): VU037133.D (-1613) (-)

Ion 94.90 (94.60 to 95.60): VU037133.D (-1613) (-)

6.57

1500

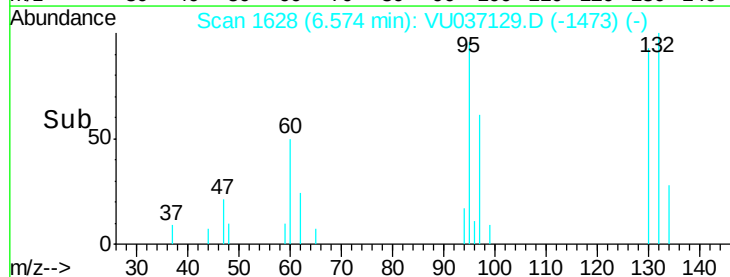
1000

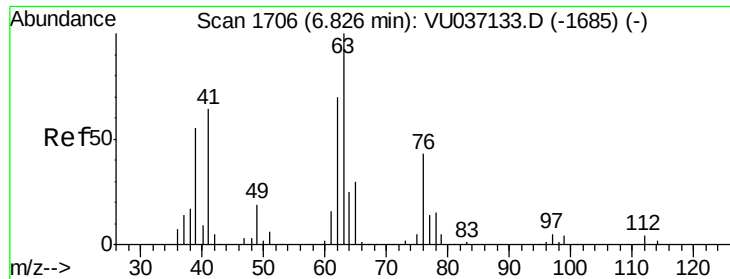
500

0

6.55 6.60

Time-->





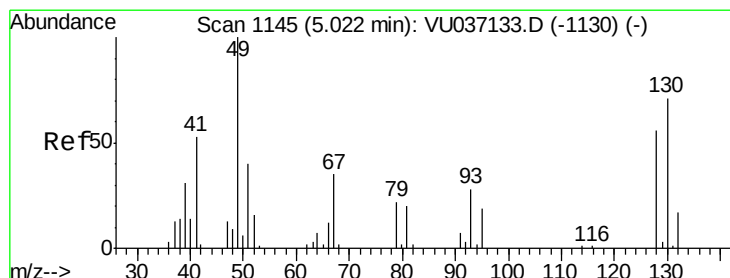
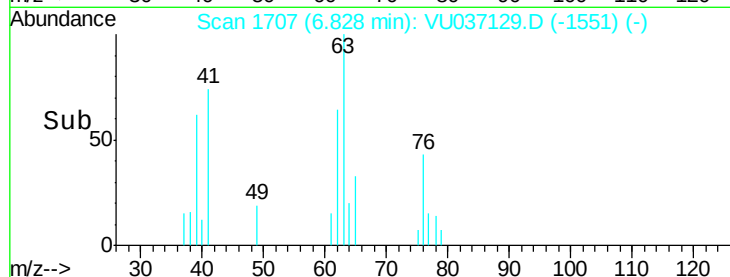
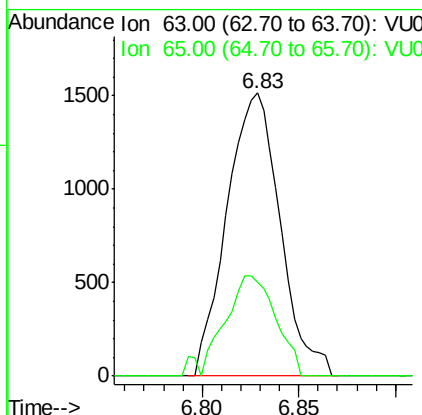
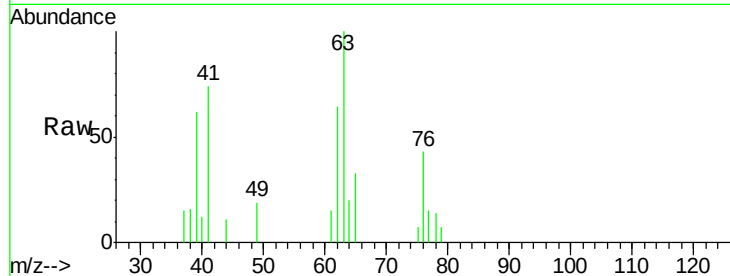
#38
 1,2-Dichloropropane
 Concen: 0.633 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 63 Resp: 2905
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.7 37.1

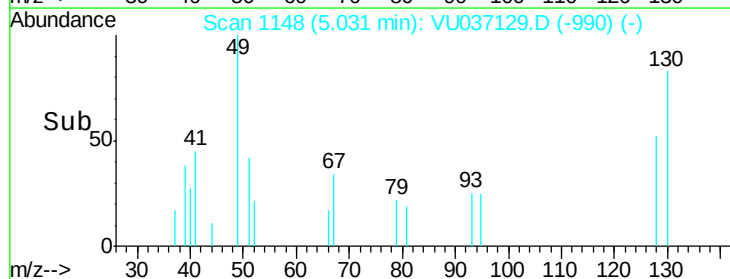
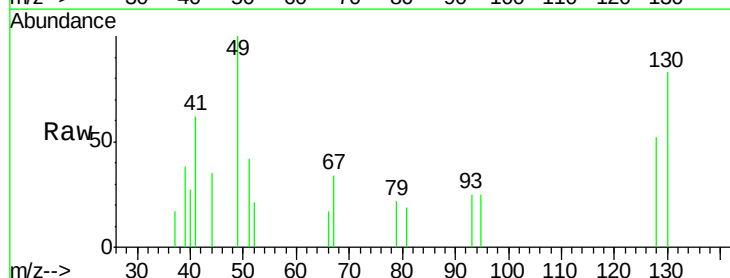
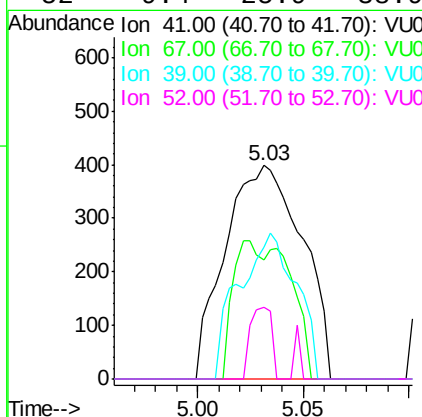
Manual Integrations
 APPROVED

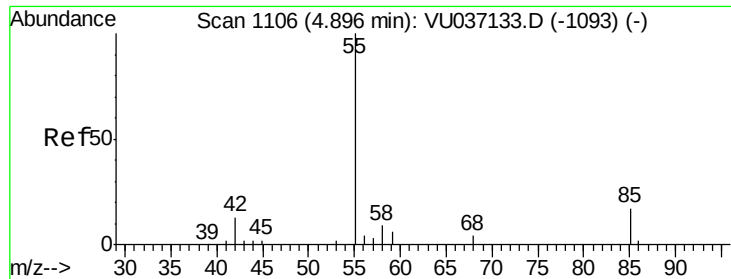
sam
 3/10/2020 3:06:14 PM



#39
 Methacrylonitrile
 Concen: 0.734 ug/l
 RT: 5.03 min Scan# 1148
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 41 Resp: 1014
 Ion Ratio Lower Upper
 41 100
 67 25.2 69.6 104.4#
 39 50.9 41.6 62.4
 52 9.4 25.9 38.9#





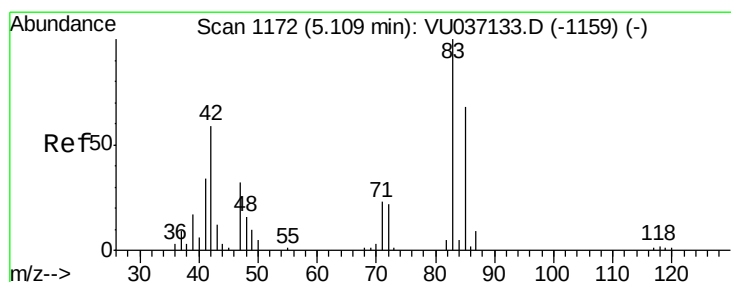
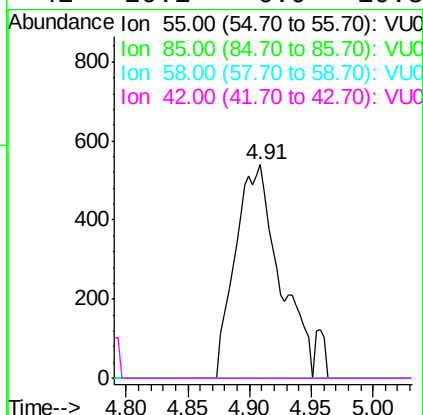
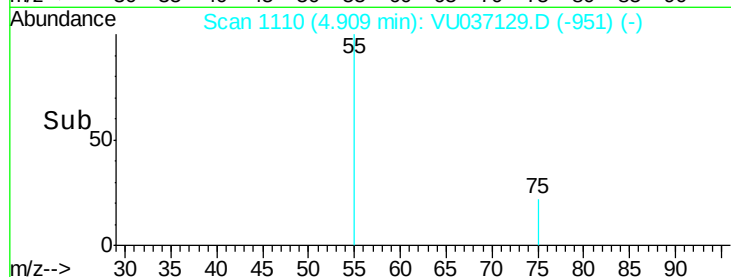
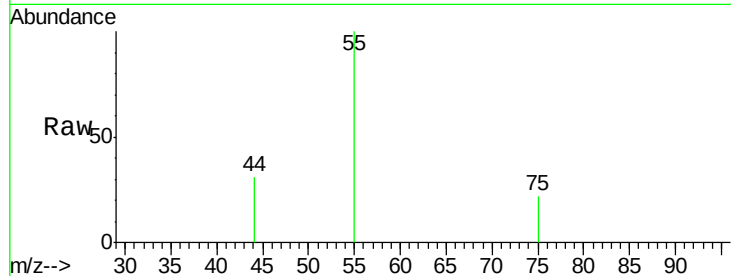
#40
Methyl acrylate
Concen: 0.643 ug/l m
RT: 4.91 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
55	100		
85	0.0	14.7	22.1#
58	0.0	7.1	10.7#
42	20.1	6.9	10.3#

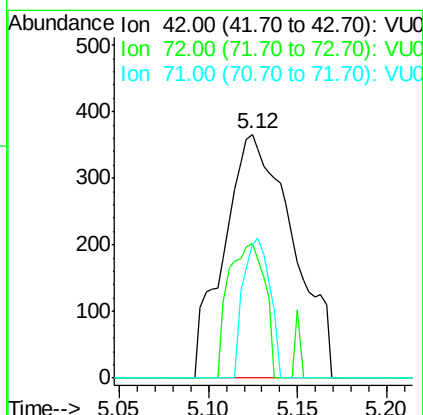
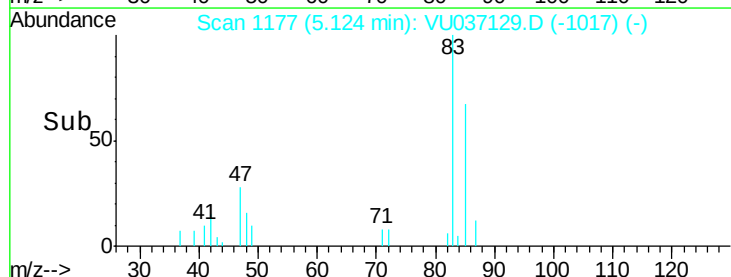
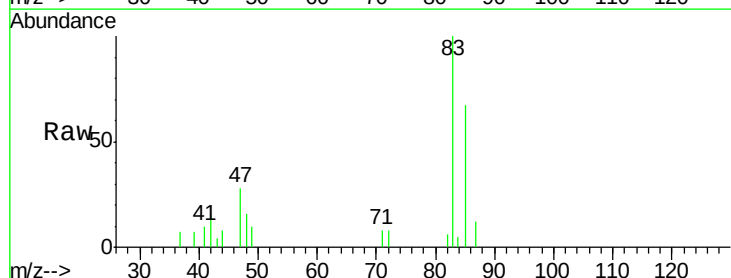
Manual Integrations
APPROVED

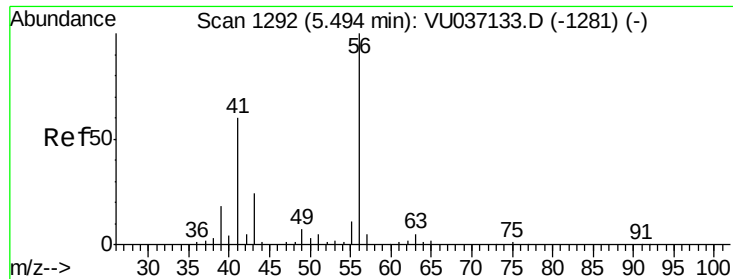
sam
3/10/2020 3:06:14 PM



#41
Tetrahydrofuran
Concen: 1.307 ug/l
RT: 5.12 min Scan# 1177
Delta R.T. 0.02 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
42	100		
72	29.1	42.5	63.7#
71	22.4	37.3	55.9#





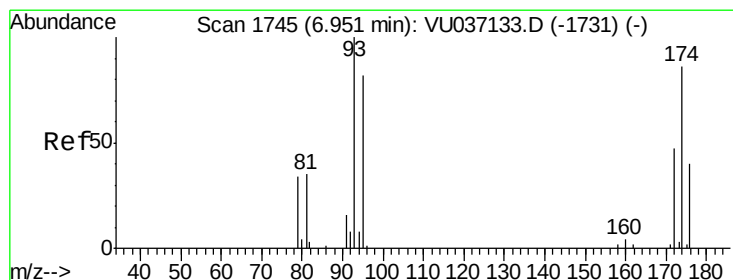
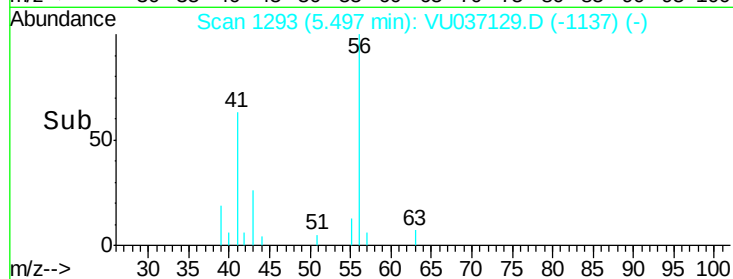
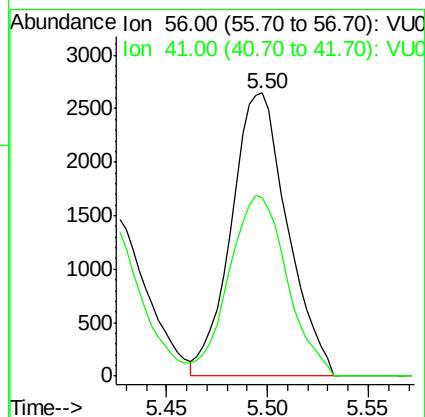
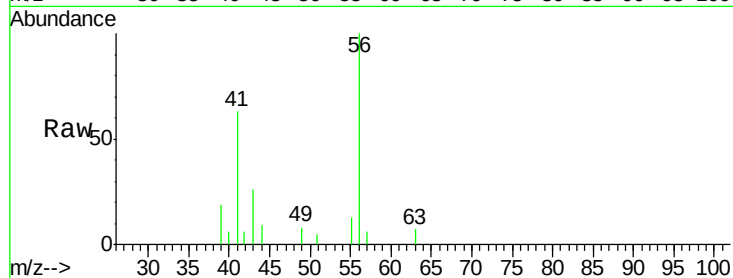
#42
1-Chlorobutane
Concen: 0.632 ug/l
RT: 5.50 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 56 Resp: 5163
Ion Ratio Lower Upper
56 100
41 65.6 24.8 74.3

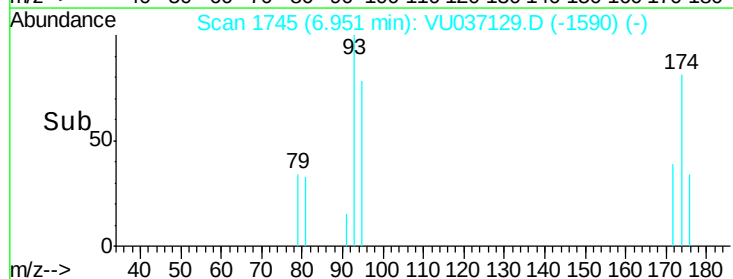
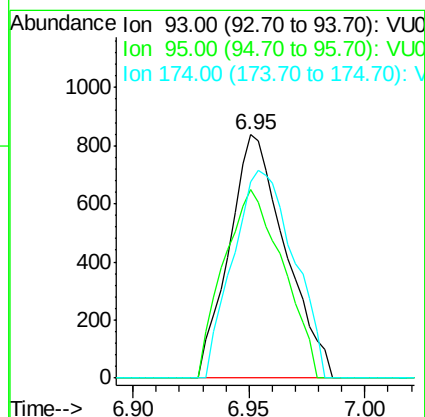
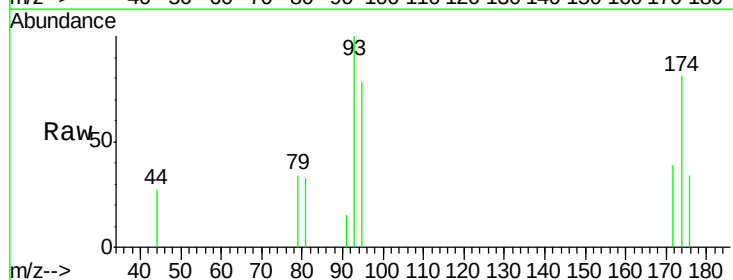
Manual Integrations
APPROVED

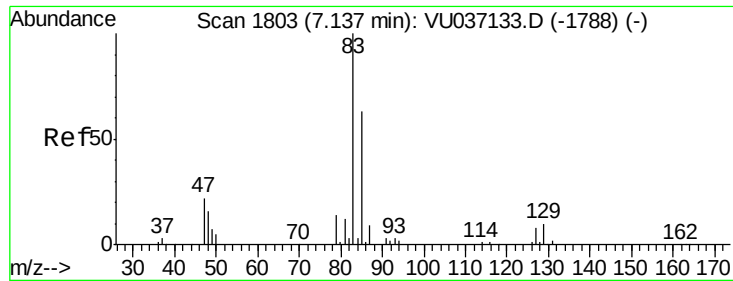
sam
3/10/2020 3:06:14 PM



#43
Dibromomethane
Concen: 0.588 ug/l
RT: 6.95 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 93 Resp: 1408
Ion Ratio Lower Upper
93 100
95 81.8 67.9 101.9
174 92.5 83.4 125.0





#44

Bromodichloromethane

Concen: 0.694 ug/l

RT: 7.14 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

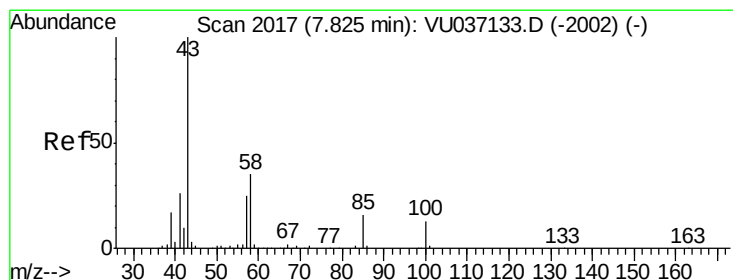
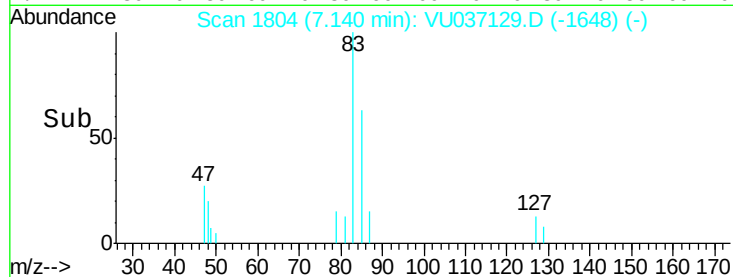
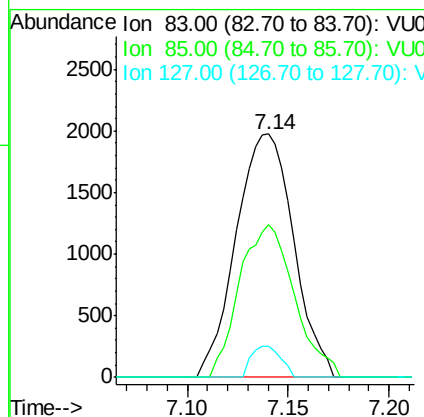
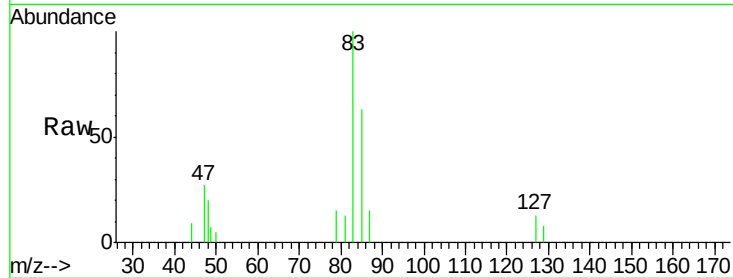
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	3933
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.8	77.6
127	12.7	6.8	10.2#

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#45

4-Methyl-2-Pentanone

Concen: 3.665 ug/l

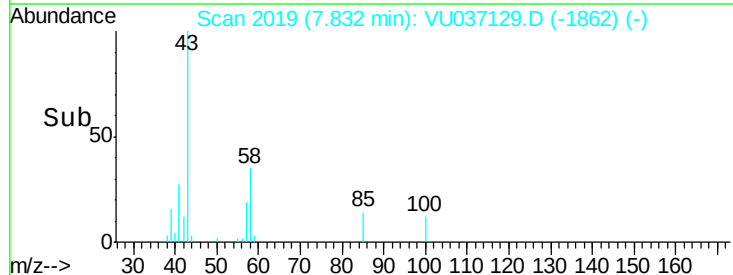
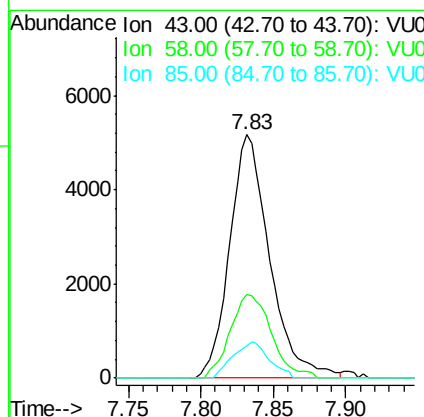
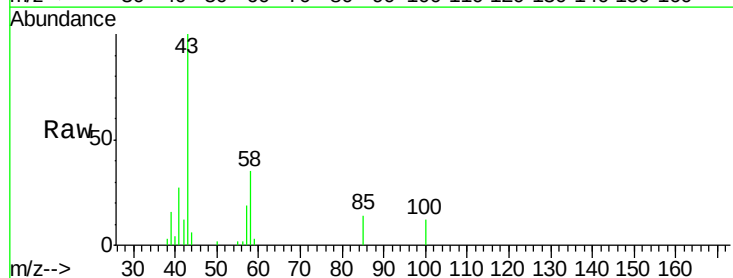
RT: 7.83 min Scan# 2019

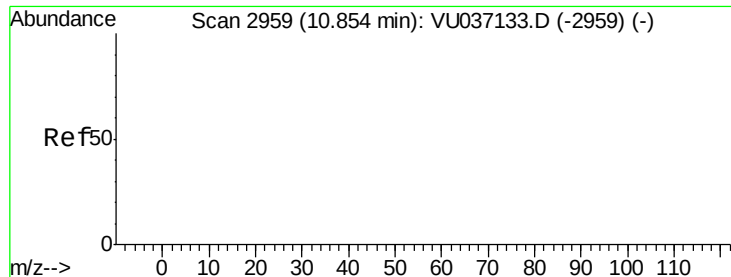
Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	43	Resp:	9888
Ion	Ratio	Lower	Upper
43	100		
58	35.5	22.1	66.1
85	13.5	17.4	26.0#





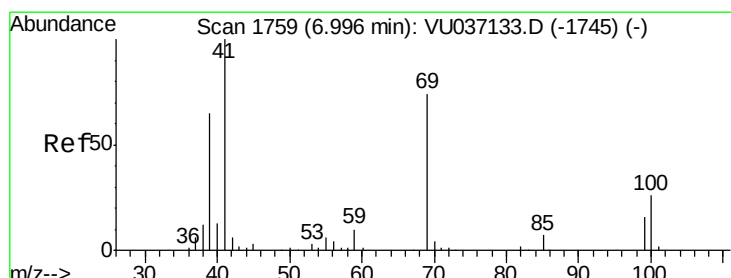
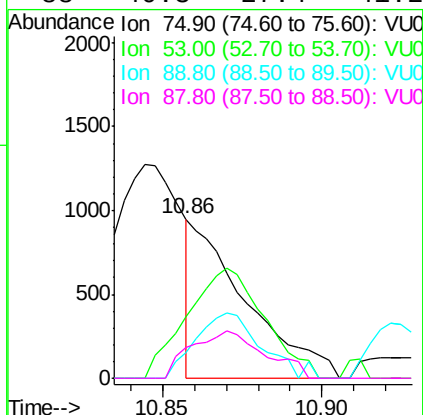
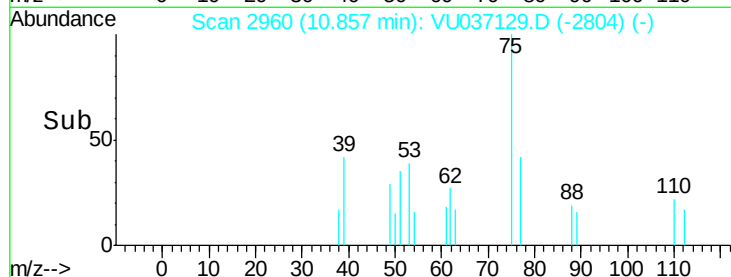
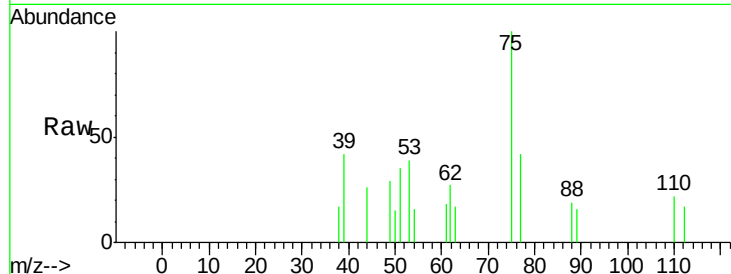
#46
t-1,4-Dichloro-2-butene
Concen: 0.943 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	52.2	78.2#
89	49.8	39.8	59.6
88	40.3	27.4	41.2

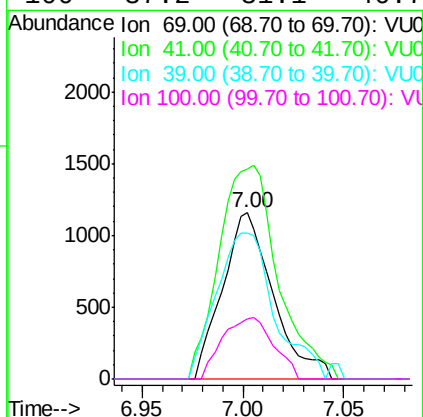
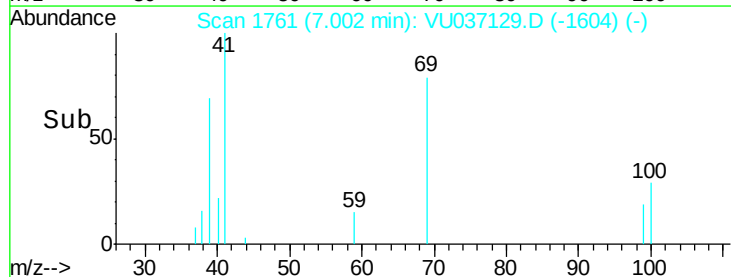
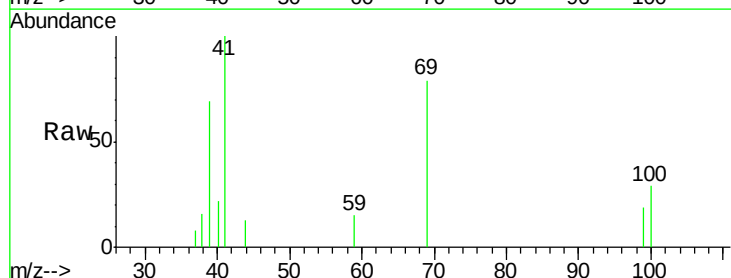
Manual Integrations
APPROVED

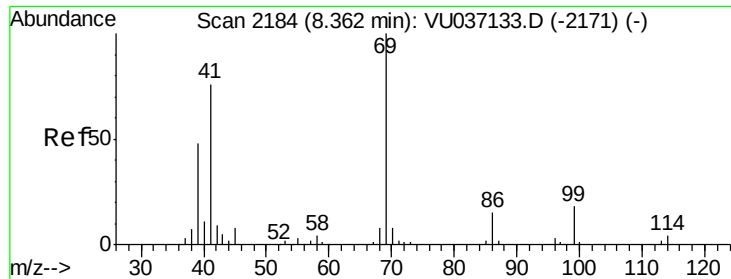
sam
3/10/2020 3:06:14 PM



#47
Methyl methacrylate
Concen: 0.868 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	149.1	0.0	200.8
39	99.9	43.5	65.3#
100	37.2	31.1	46.7





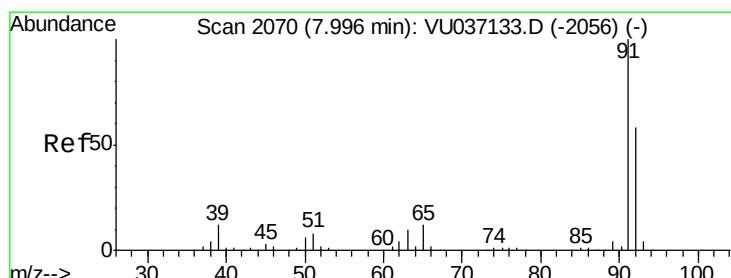
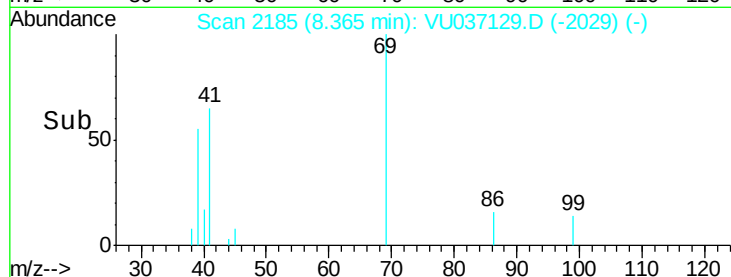
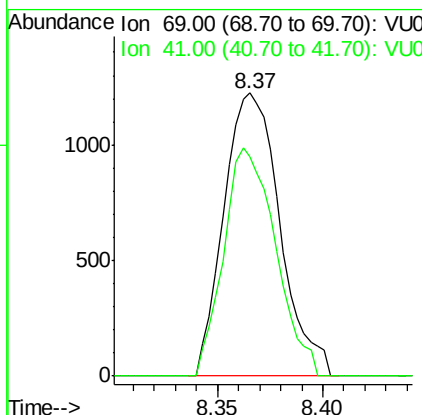
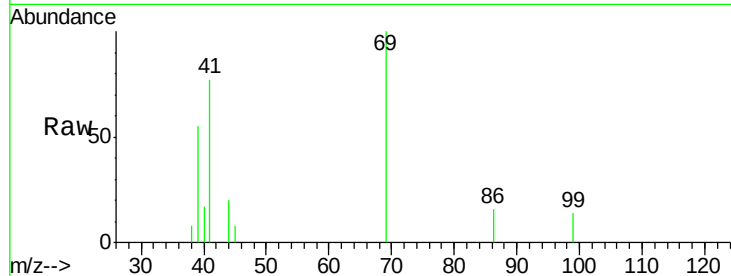
#48
Ethyl methacrylate
Concen: 0.499 ug/l
RT: 8.37 min Scan# 2185
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 69 Resp: 2261
Ion Ratio Lower Upper
69 100
41 74.5 27.9 83.6

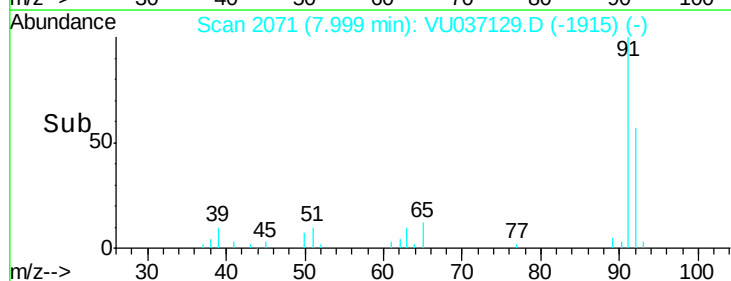
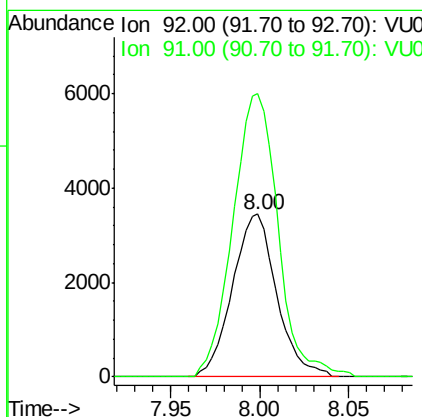
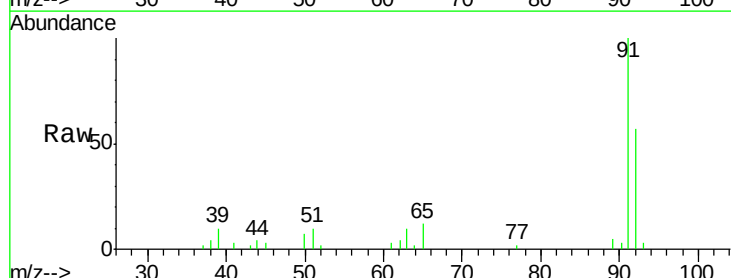
Manual Integrations
APPROVED

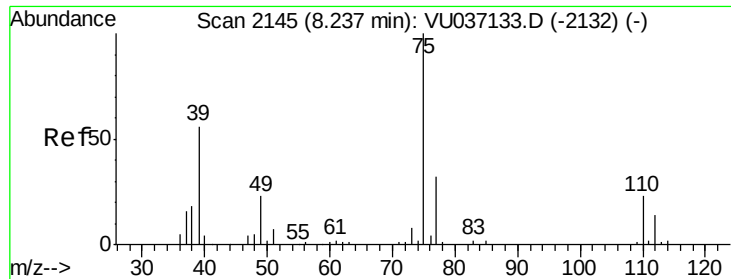
sam
3/10/2020 3:06:14 PM



#49
Toluene
Concen: 0.509 ug/l
RT: 8.00 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 92 Resp: 5930
Ion Ratio Lower Upper
92 100
91 177.9 139.1 208.7





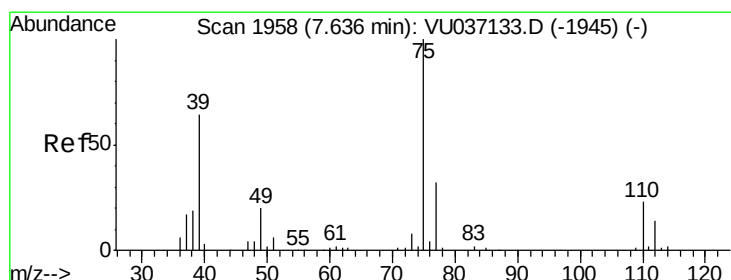
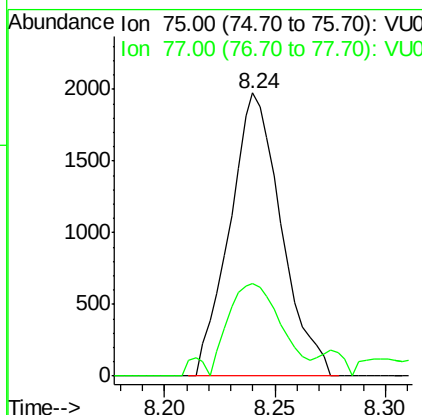
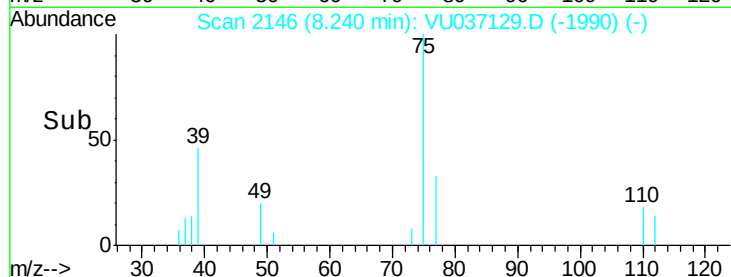
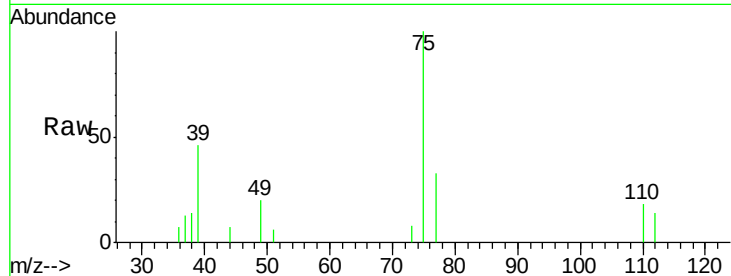
#50
t-1,3-Dichloropropene
Concen: 0.569 ug/l
RT: 8.24 min Scan# 2146
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 3212
Ion Ratio Lower Upper
75 100
77 27.1 25.4 38.2

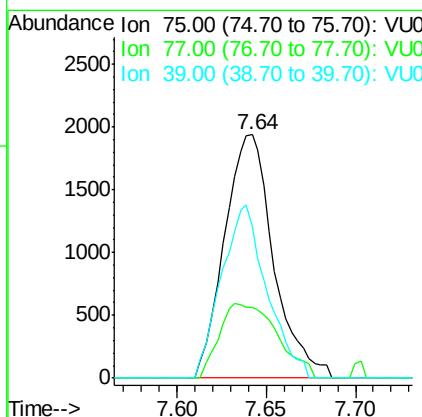
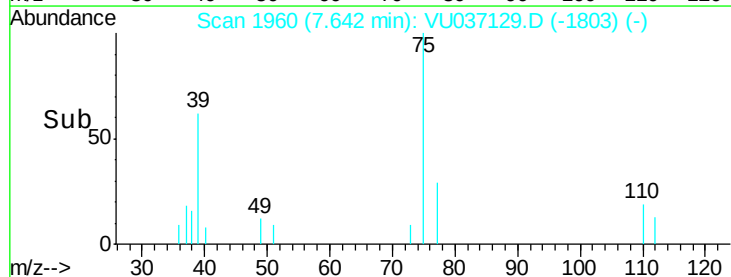
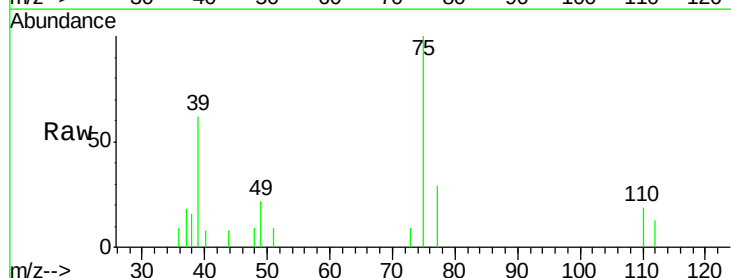
Manual Integrations
APPROVED

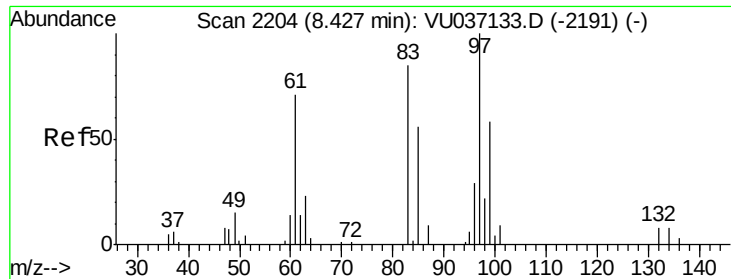
sam
3/10/2020 3:06:14 PM



#51
cis-1,3-Dichloropropene
Concen: 0.542 ug/l
RT: 7.64 min Scan# 1960
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion: 75 Resp: 3709
Ion Ratio Lower Upper
75 100
77 29.2 25.3 37.9
39 62.0 31.8 47.6#





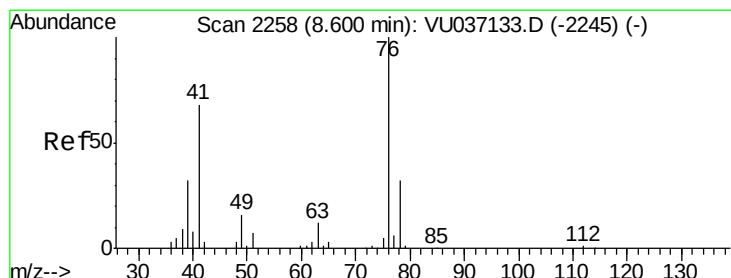
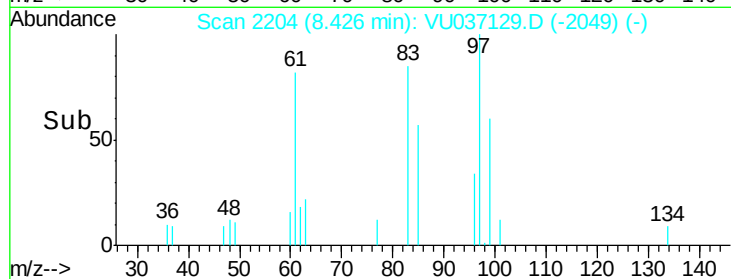
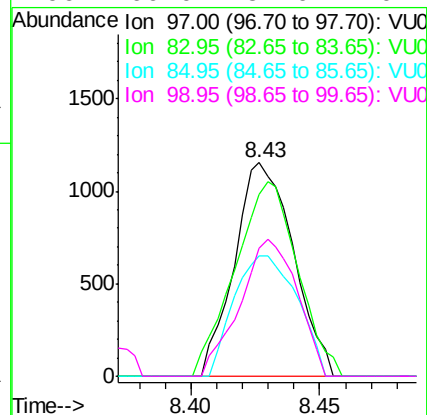
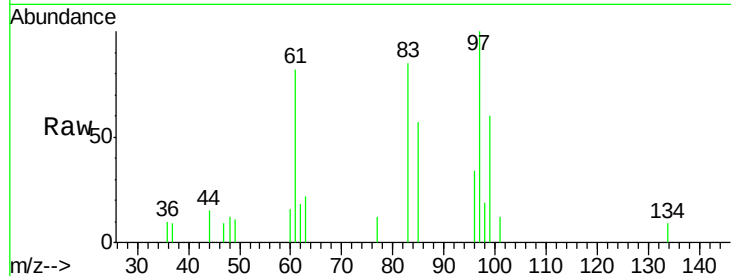
#52
 1,1,2-Trichloroethane
 Concen: 0.540 ug/l
 RT: 8.43 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	1835
Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.9	106.3
85	56.5	45.6	68.4
99	60.0	51.0	76.4

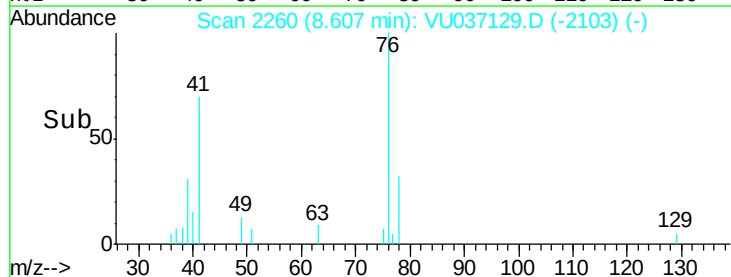
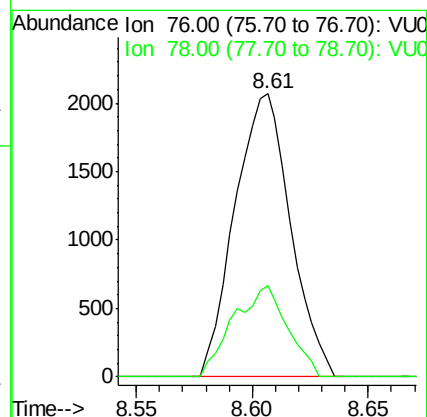
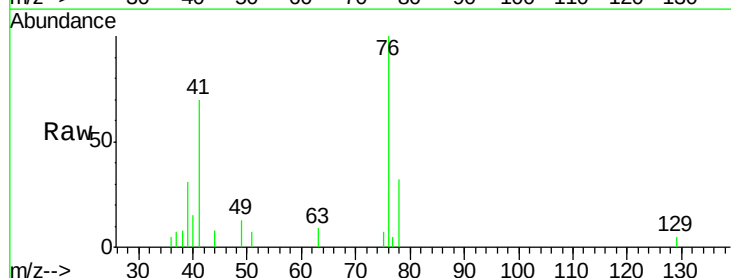
Manual Integrations
 APPROVED

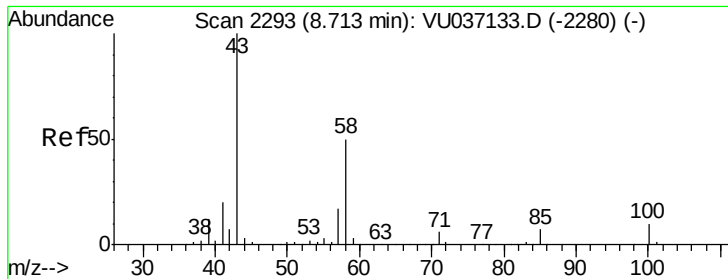
sam
 3/10/2020 3:06:14 PM



#53
 1,3-Dichloropropane
 Concen: 0.593 ug/l
 RT: 8.61 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion:	76	Resp:	3455
Ion	Ratio	Lower	Upper
76	100		
78	31.4	25.4	38.2





#54

2-Hexanone

Concen: 3.413 ug/l

RT: 8.73 min Scan# 2297

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

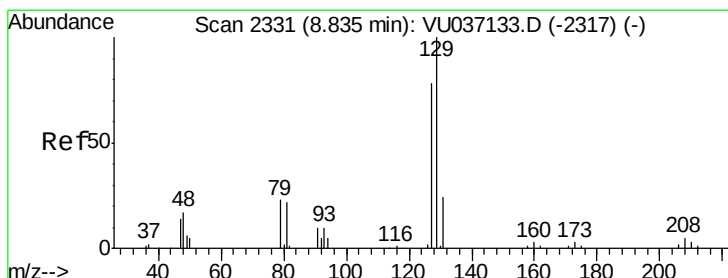
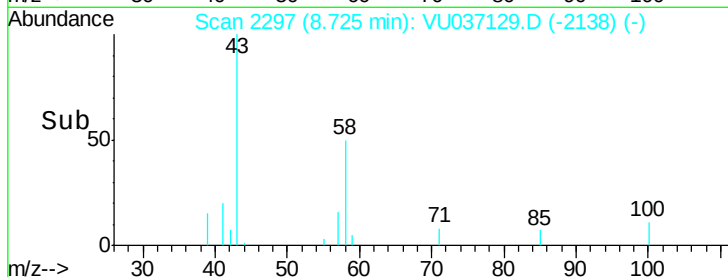
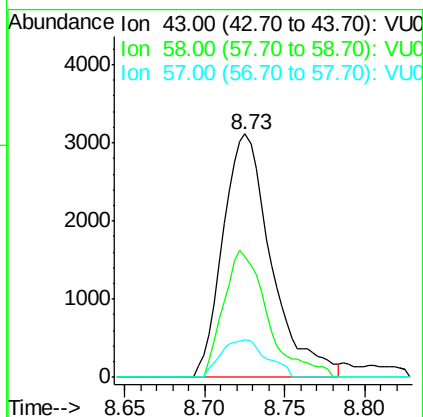
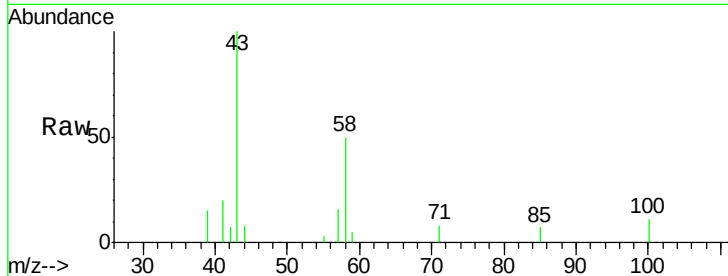
ClientSampleId :

VSTDIC0.5

Tot Ion:	43	Resp:	6457
Ion	Ratio	Lower	Upper
43	100		
58	47.6	40.6	80.6
57	14.5	1.2	41.2

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#55

Dibromochloromethane

Concen: 0.626 ug/l

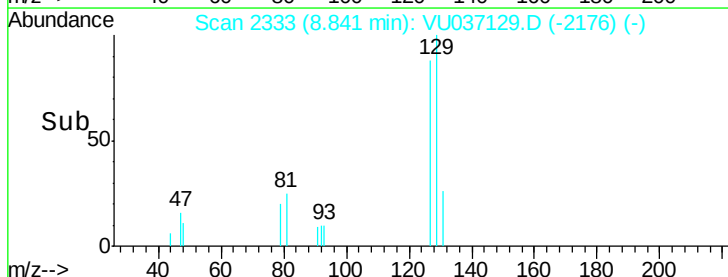
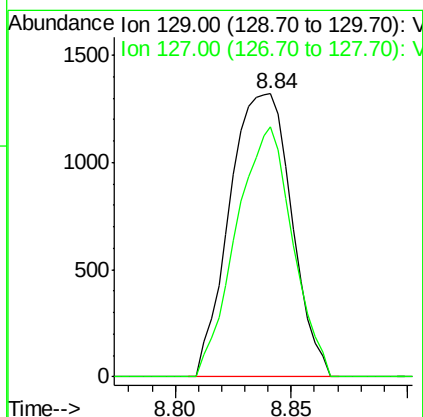
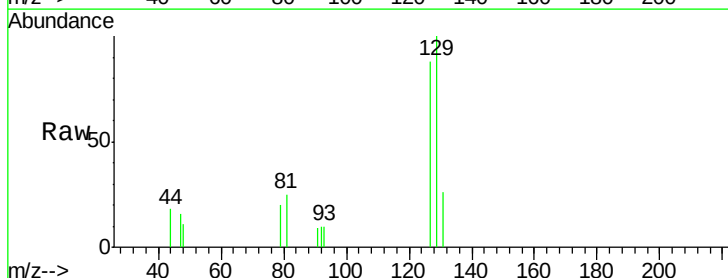
RT: 8.84 min Scan# 2333

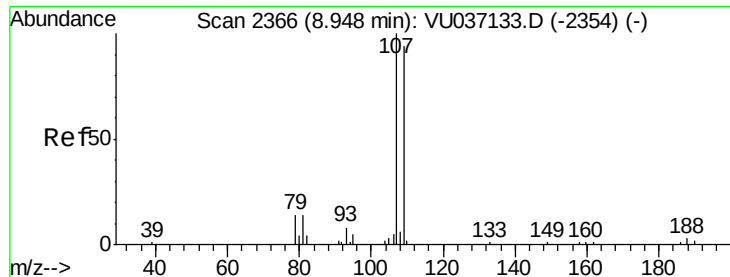
Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	129	Resp:	2449
Ion	Ratio	Lower	Upper
129	100		
127	80.6	62.6	94.0





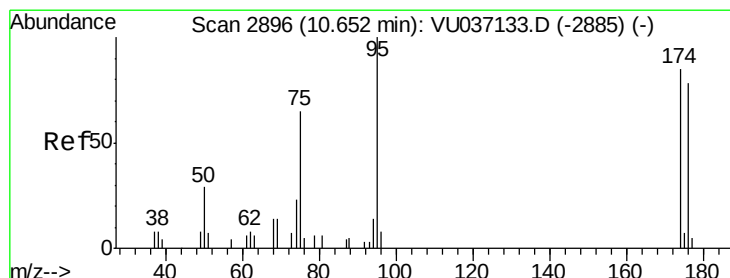
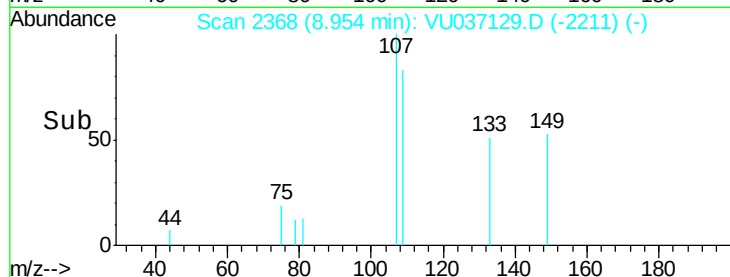
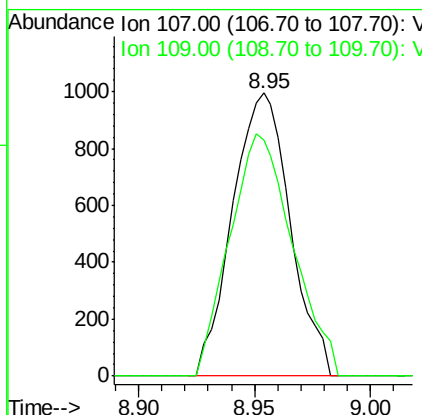
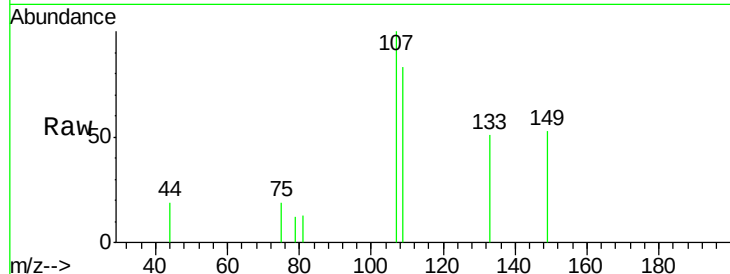
#56
 1,2-Dibromoethane
 Concen: 0.525 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion:107 Resp: 1719
 Ion Ratio Lower Upper
 107 100
 109 93.2 0.0 190.8

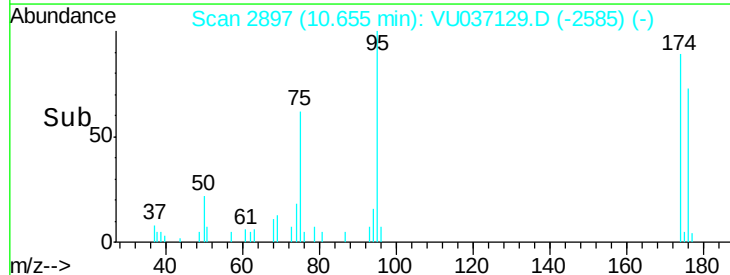
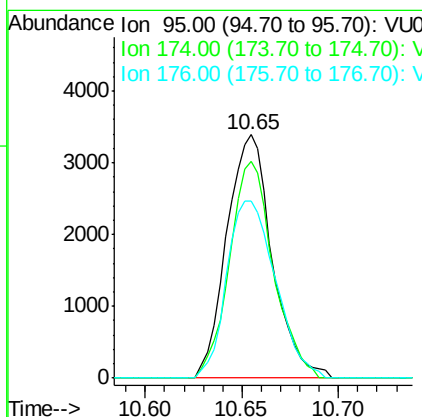
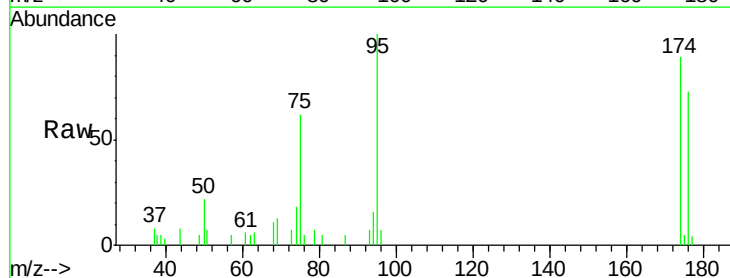
Manual Integrations
 APPROVED

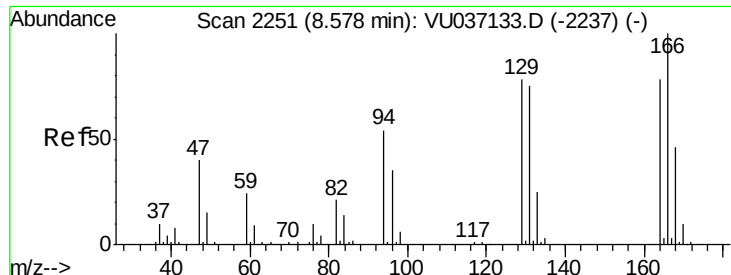
sam
 3/10/2020 3:06:14 PM



#57
 4-Bromofluorobenzene
 Concen: 0.889 ug/l
 RT: 10.65 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion: 95 Resp: 5527
 Ion Ratio Lower Upper
 95 100
 174 85.7 64.7 97.1
 176 78.3 60.6 91.0





#58

Tetrachloroethene

Concen: 0.520 ug/l

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:164 Resp: 2617

Ion Ratio Lower Upper

164 100

166 108.5 102.0 153.0

129 101.5 74.9 112.3

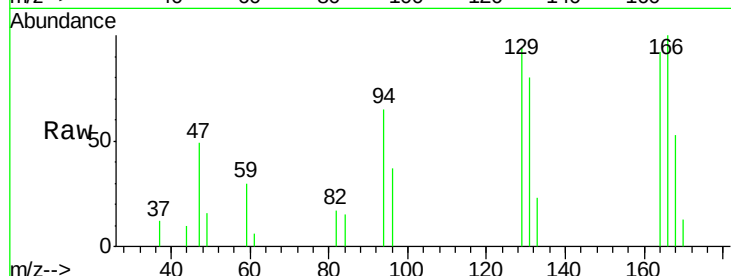
131 86.5 72.6 108.8

Manual Integrations

APPROVED

sam

3/10/2020 3:06:14 PM



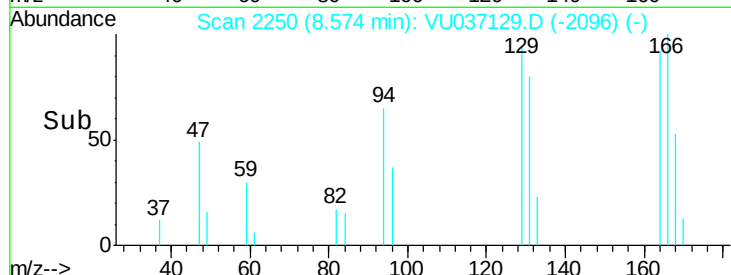
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

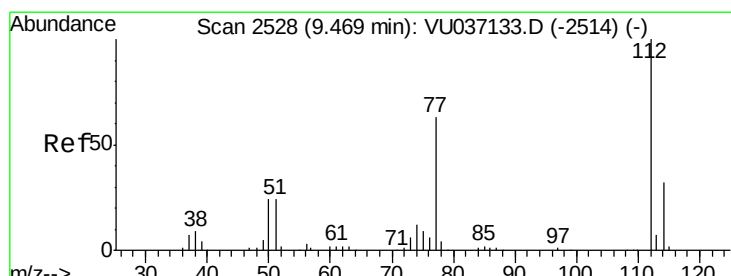
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



Time-->



#59

Chlorobenzene

Concen: 0.547 ug/l

RT: 9.47 min Scan# 2529

Delta R.T. 0.00 min

Lab File: VU037129.D

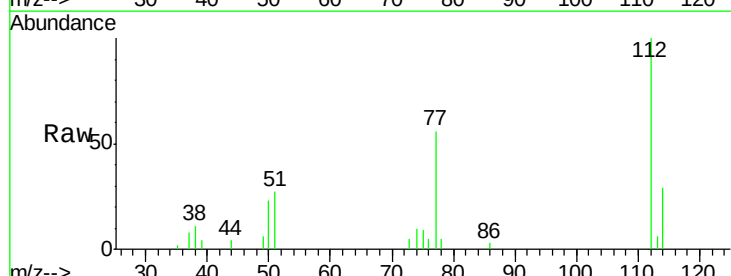
Acq: 09 Mar 2020 12:23

Tgt Ion:112 Resp: 7095

Ion Ratio Lower Upper

112 100

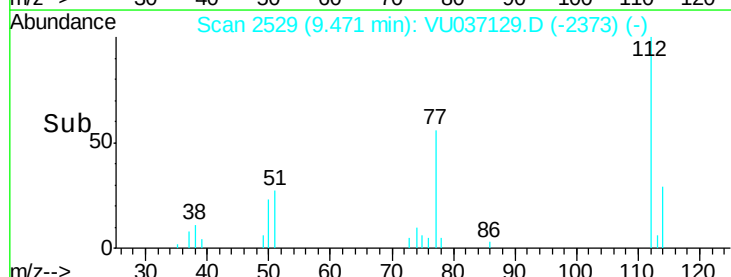
114 29.2 25.8 38.8



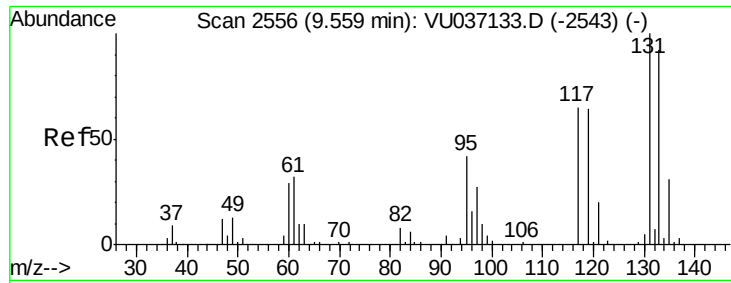
Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Time-->



Time-->



#60

1,1,1,2-Tetrachloroethane

Concen: 0.573 ug/l

RT: 9.56 min Scan# 2555

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

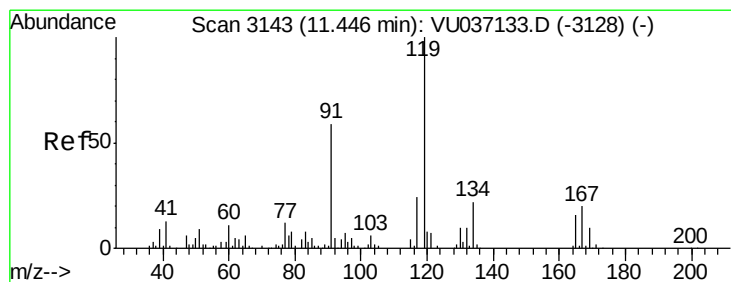
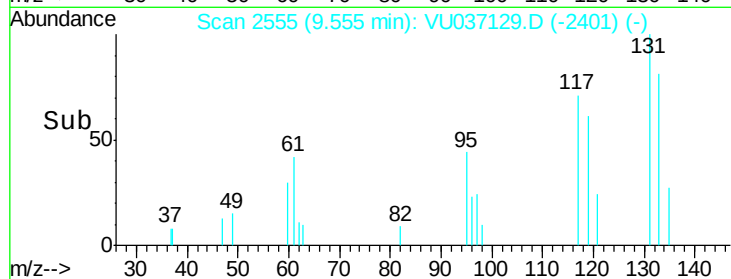
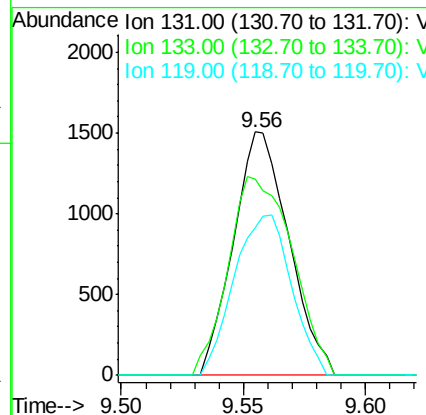
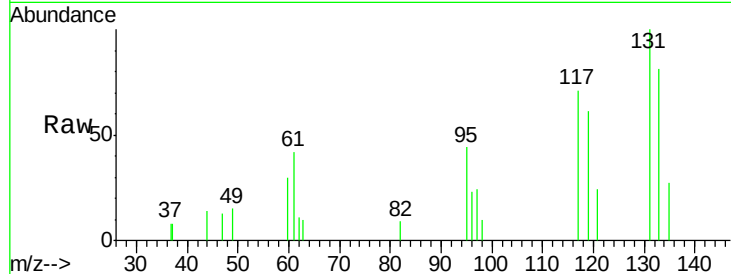
ClientSampleId :

VSTDIC0.5

Tot Ion:	131	Resp:	2373
Ion	Ratio	Lower	Upper
131	100		
133	94.7	76.4	114.6
119	68.1	56.6	85.0

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#61

Pentachloroethane

Concen: 0.701 ug/l

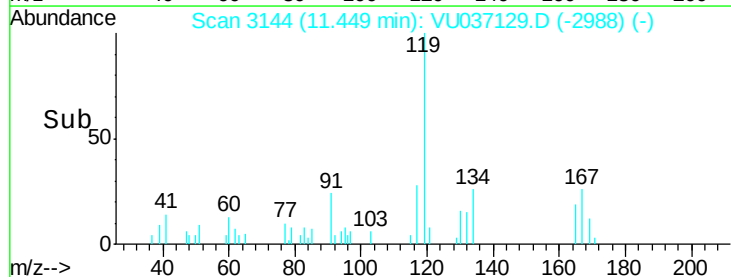
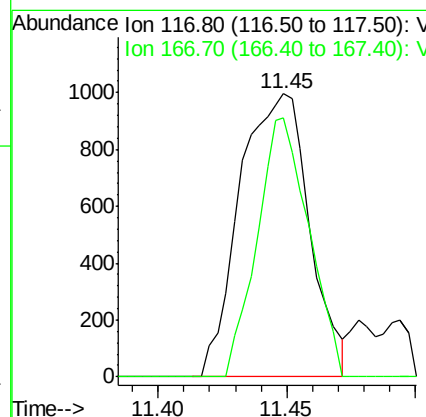
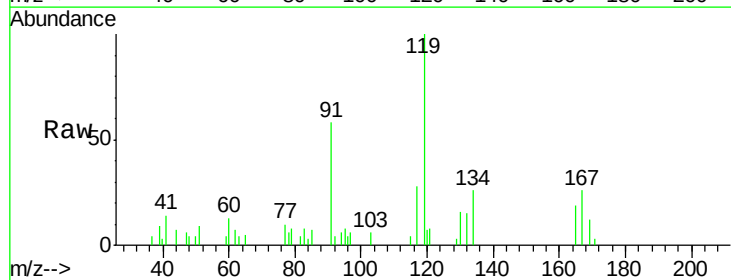
RT: 11.45 min Scan# 3144

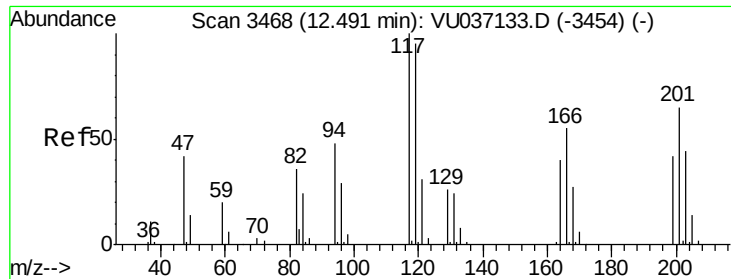
Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	117	Resp:	1873
Ion	Ratio	Lower	Upper
117	100		
167	67.9	66.7	100.1





#62

Hexachloroethane

Concen: 0.550 ug/l

RT: 12.49 min Scan# 3469

Delta R.T. 0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:117 Resp: 1874

Ion Ratio Lower Upper

117 100

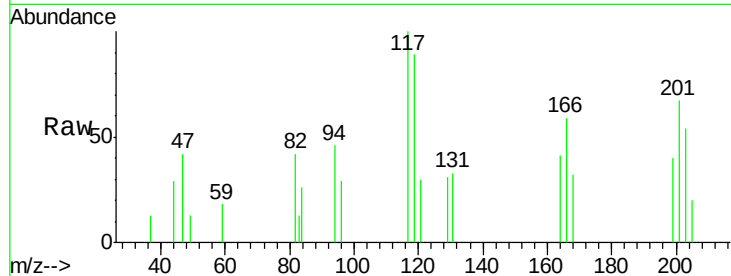
201 70.4 65.0 97.4

Manual Integrations

APPROVED

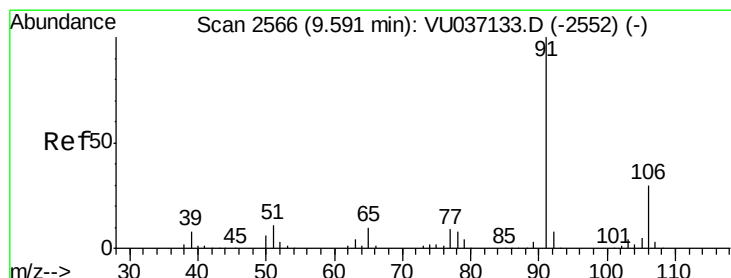
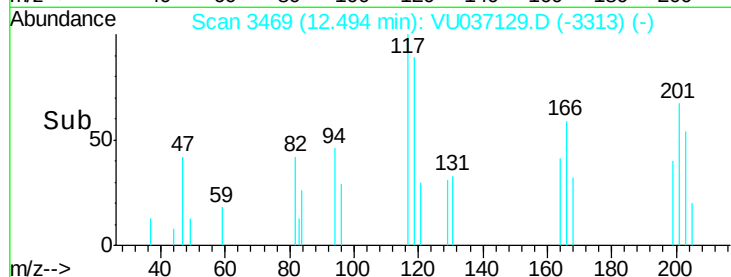
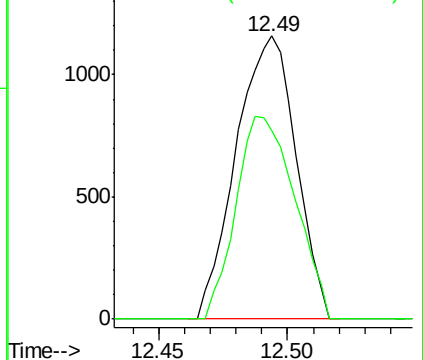
sam

3/10/2020 3:06:14 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



#63

Ethyl Benzene

Concen: 0.498 ug/l

RT: 9.59 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VU037129.D

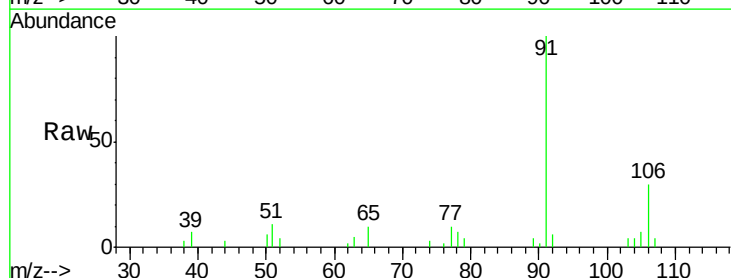
Acq: 09 Mar 2020 12:23

Tgt Ion: 91 Resp: 10821

Ion Ratio Lower Upper

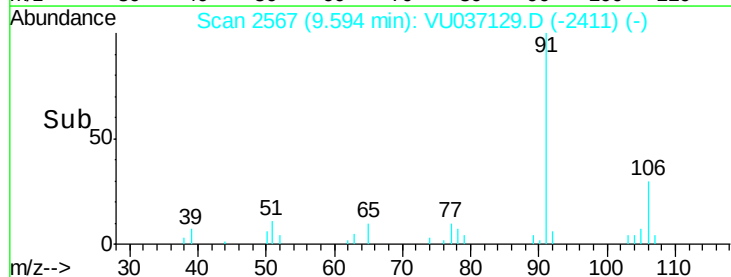
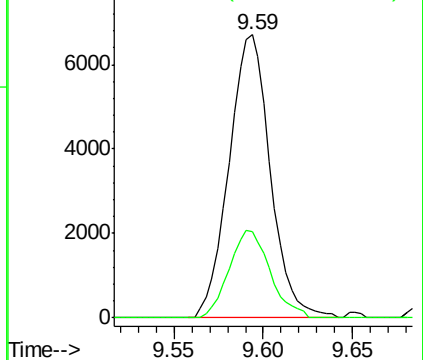
91 100

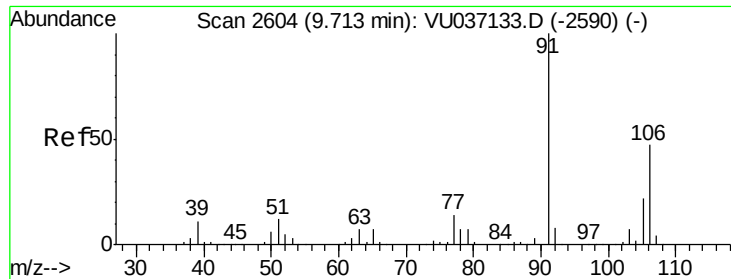
106 30.4 26.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





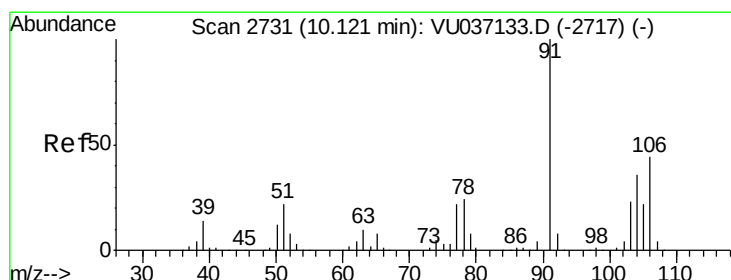
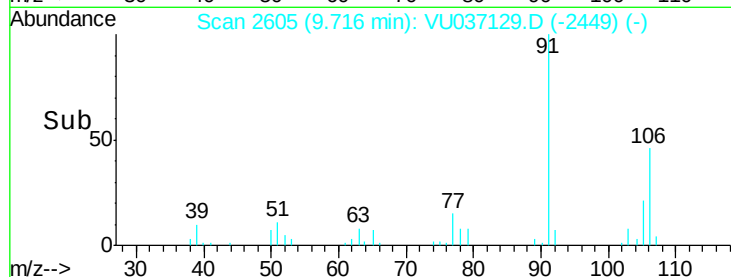
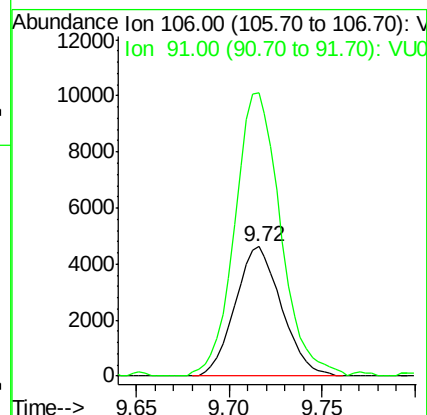
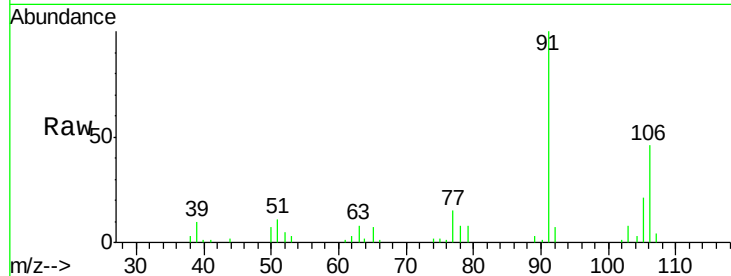
#64
m/p-Xylenes
Concen: 0.931 ug/l
RT: 9.72 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion:106 Resp: 8015
Ion Ratio Lower Upper
106 100
91 216.5 158.2 237.4

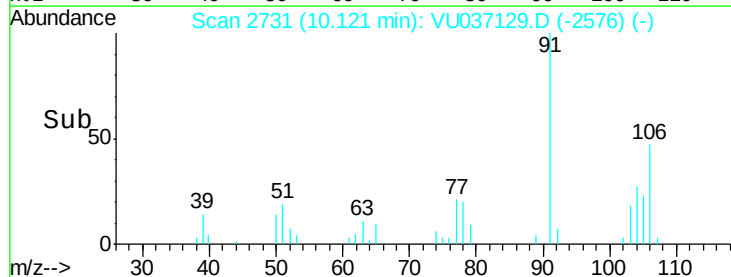
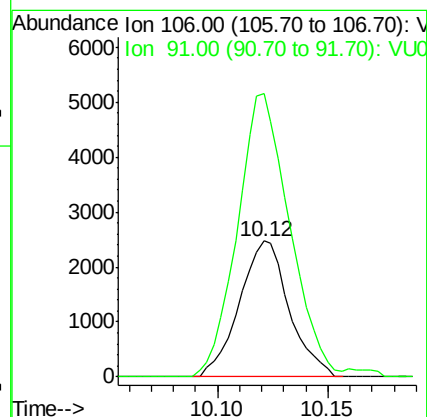
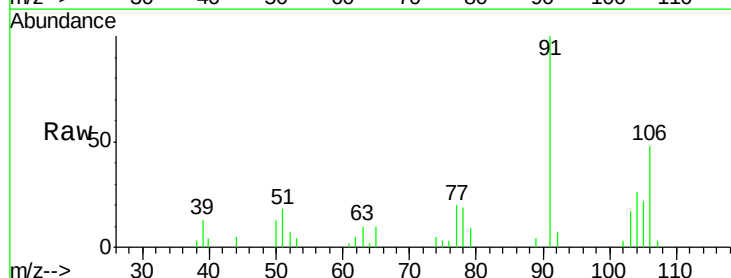
Manual Integrations
APPROVED

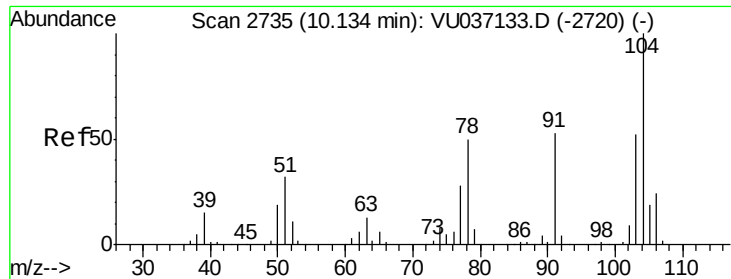
sam
3/10/2020 3:06:14 PM



#65
o-Xylene
Concen: 0.464 ug/l
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:106 Resp: 3867
Ion Ratio Lower Upper
106 100
91 218.1 104.3 312.9





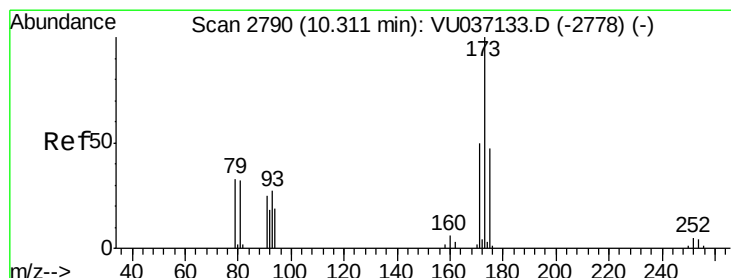
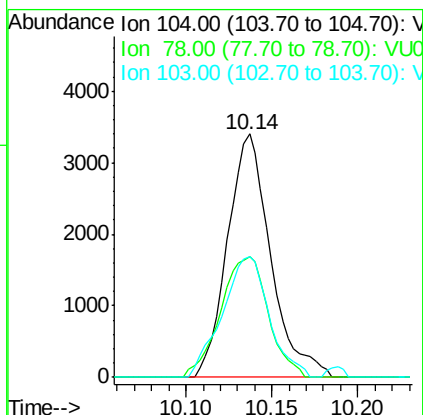
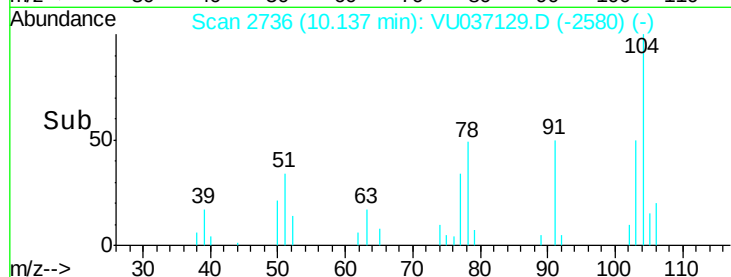
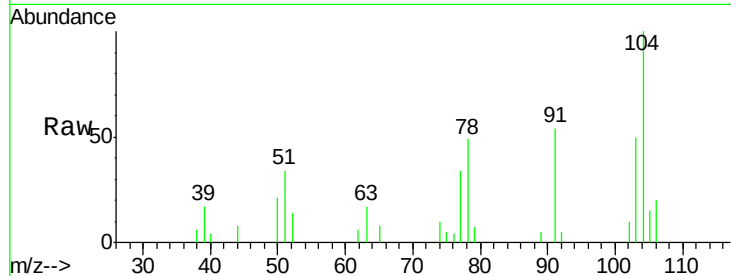
#66
Stvrene
Concen: 0.425 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.5	38.6	57.8
103	54.0	44.4	66.6

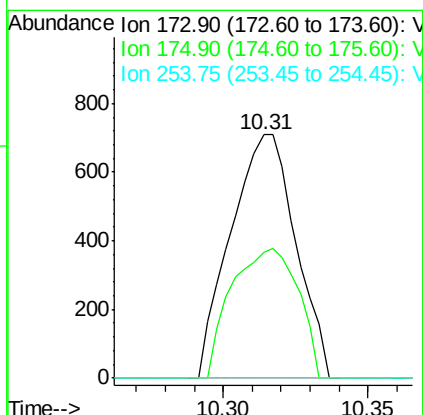
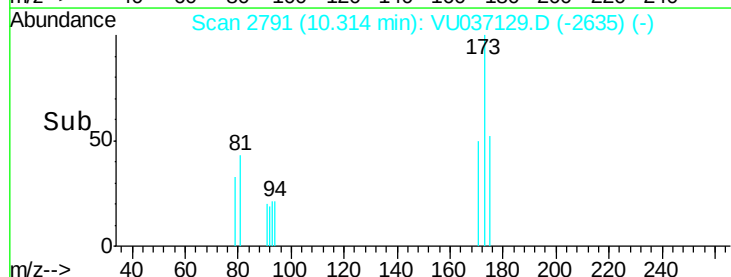
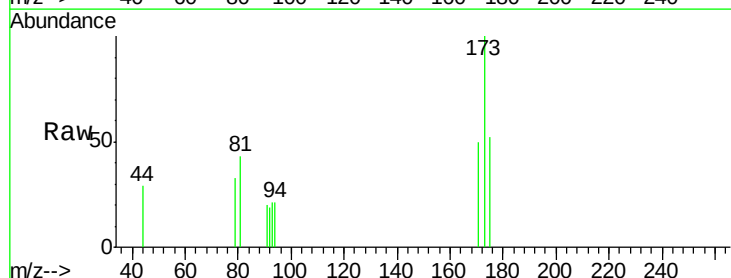
Manual Integrations
APPROVED

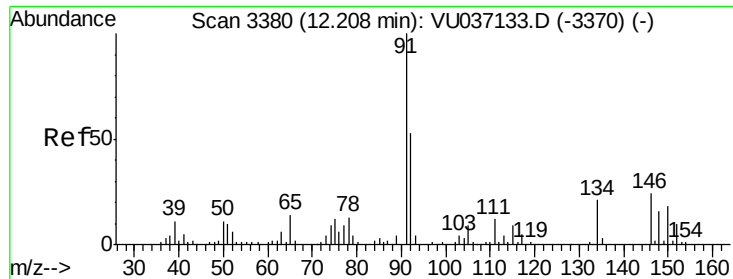
sam
3/10/2020 3:06:14 PM



#67
Bromoform
Concen: 0.493 ug/l
RT: 10.31 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
173	100		
175	54.5	38.3	57.5
254	0.0	6.6	9.8#





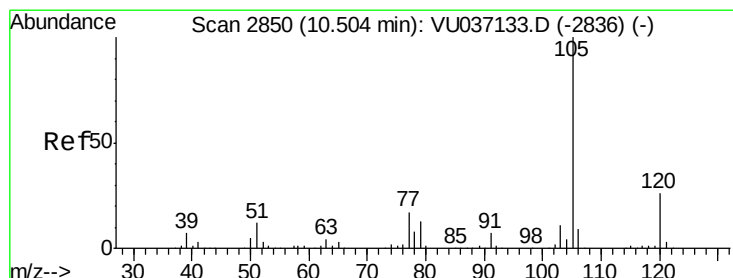
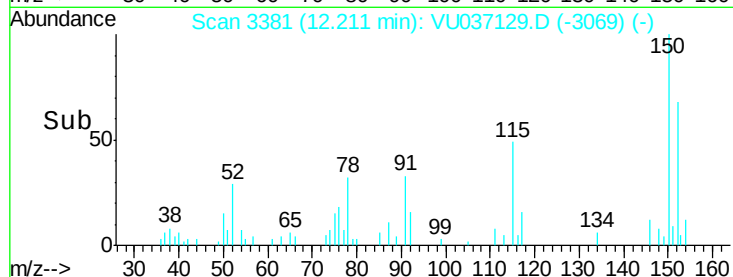
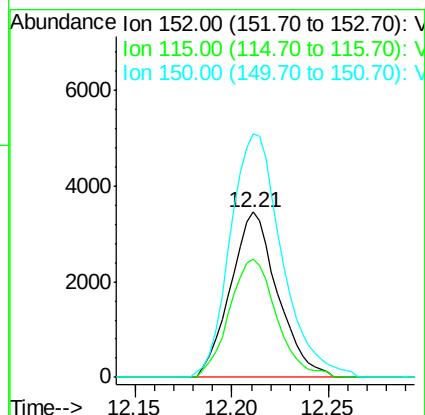
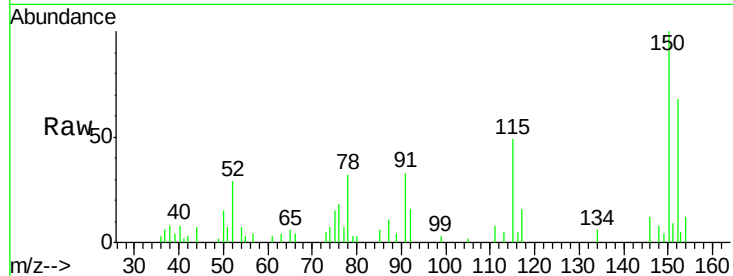
#68
 1,2-Dichlorobenzene-d4
 Concen: 0.919 ug/l
 RT: 12.21 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
152	100		
115	71.8	0.0	241.8
150	161.9	0.0	652.4

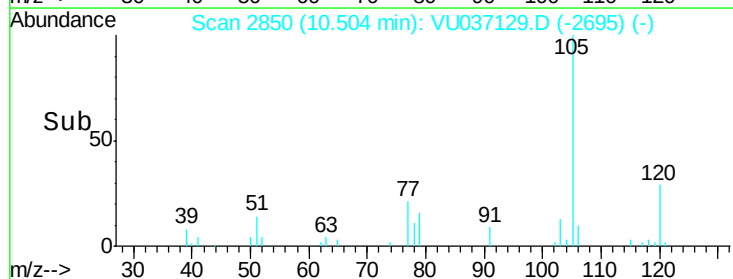
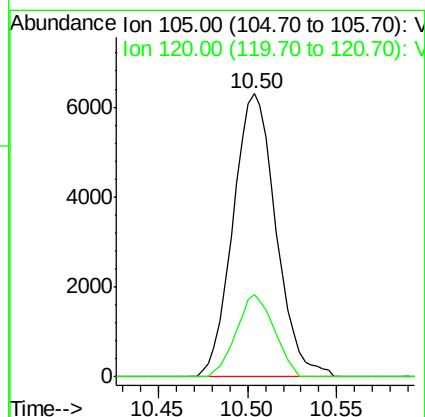
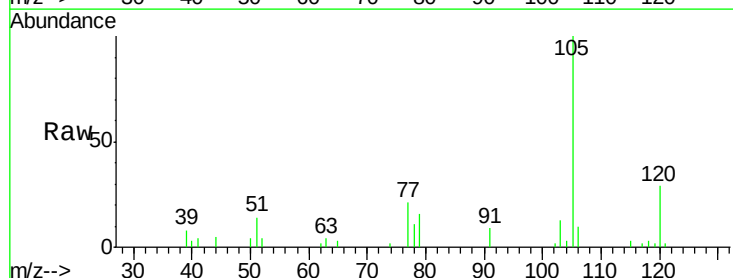
Manual Integrations
 APPROVED

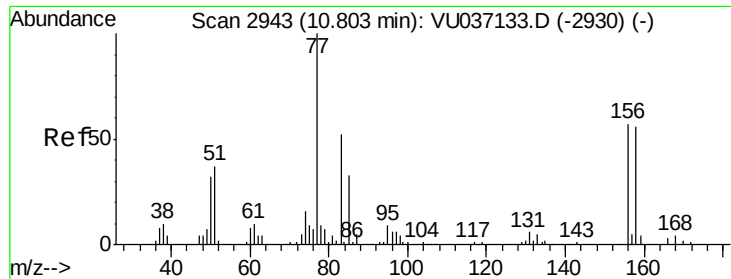
sam
 3/10/2020 3:06:14 PM



#69
 Isopropylbenzene
 Concen: 0.483 ug/l
 RT: 10.50 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.6	40.7





#70

1,1,2,2-Tetrachloroethane

Concen: 0.528 ug/l

RT: 10.80 min Scan# 2942

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

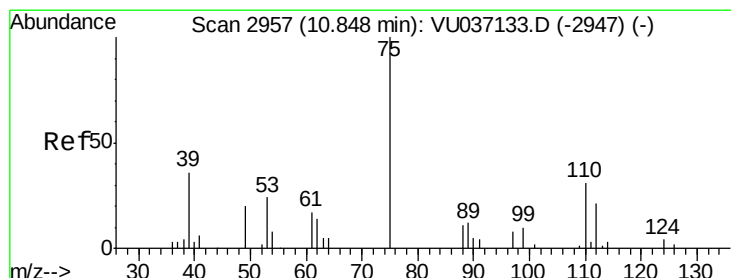
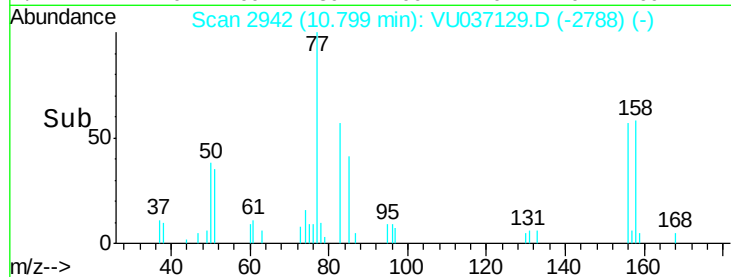
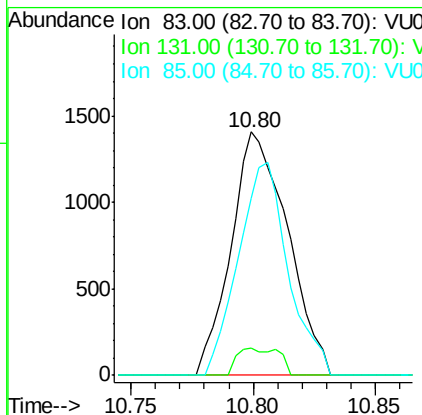
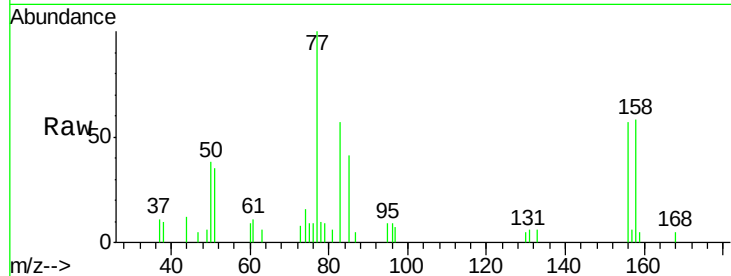
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	2264
Ion	Ratio	Lower	Upper
83	100		
131	8.3	7.8	11.8
85	76.5	53.2	79.8

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#71

1,2,3-Trichloropropane

Concen: 0.635 ug/l m

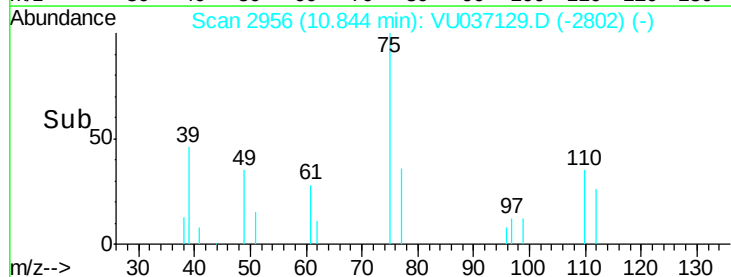
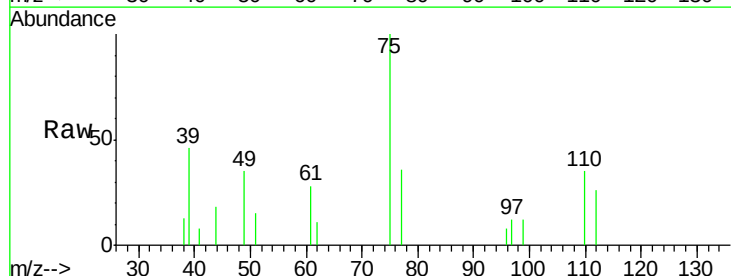
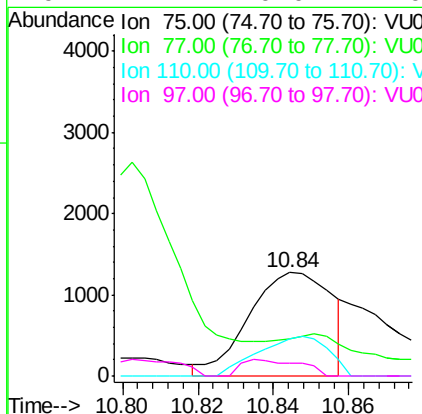
RT: 10.84 min Scan# 2956

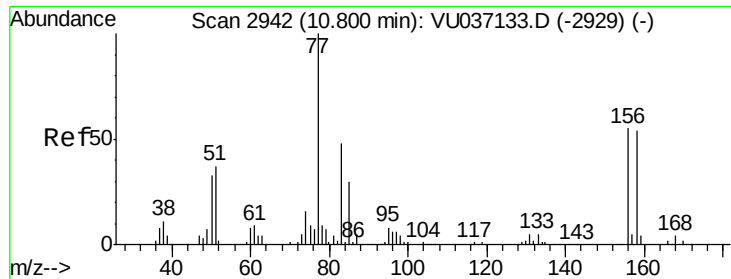
Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	75	Resp:	1941
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	129.6
110	32.1	0.0	77.4
97	11.4	0.0	42.0





#72

Bromobenzene

Concen: 0.512 ug/l

RT: 10.81 min Scan# 2944

Delta R.T. 0.01 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

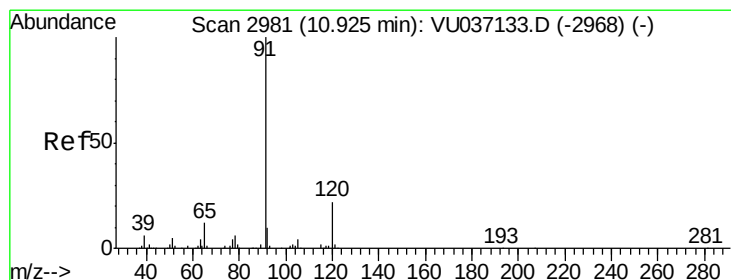
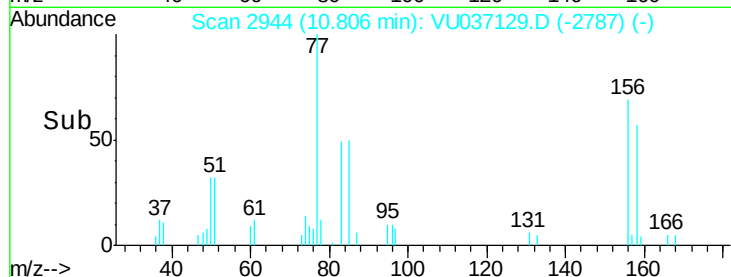
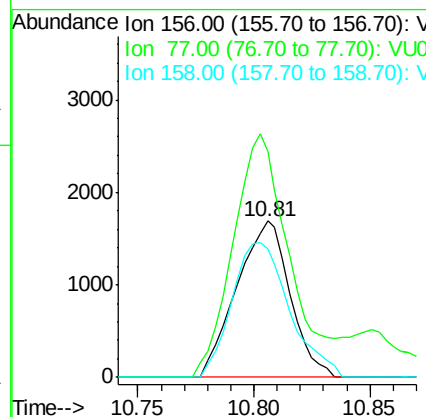
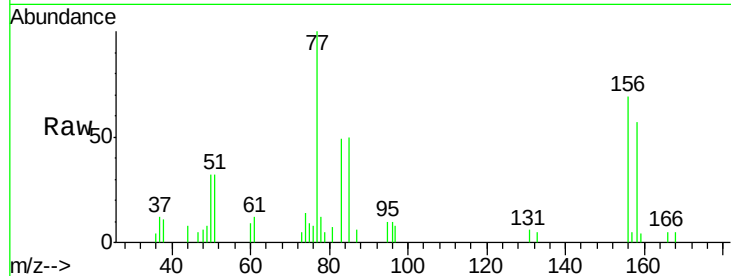
ClientSampleId :

VSTDIC0.5

Tot Ion:	156	Resp:	2702
Ion Ratio	Lower	Upper	
156	100		
77	163.3	0.0	306.6
158	92.6	0.0	192.0

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#73

n-propylbenzene

Concen: 0.428 ug/l

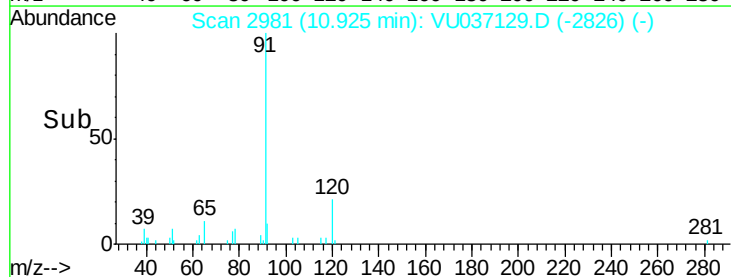
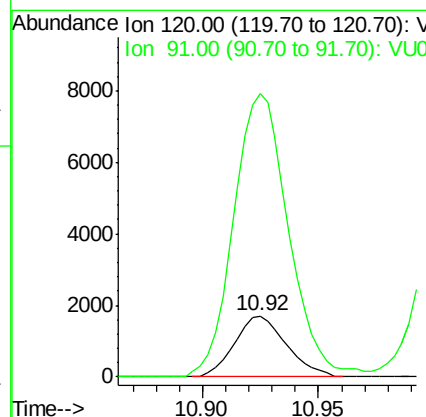
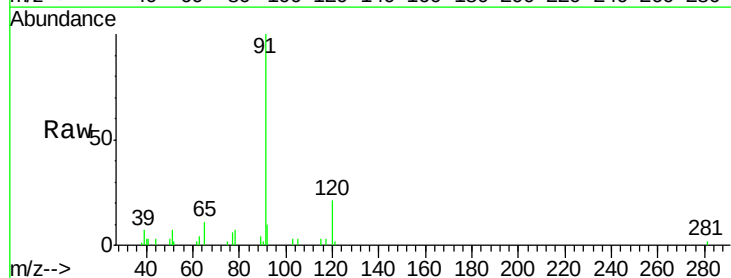
RT: 10.92 min Scan# 2981

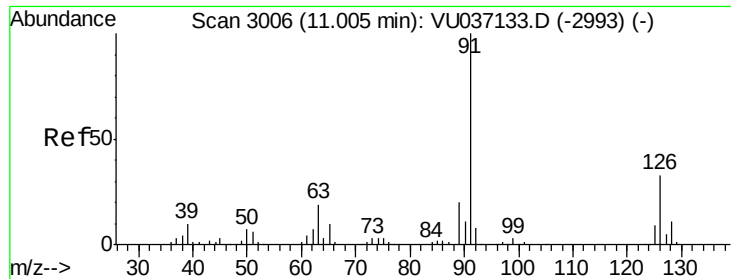
Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Tgt Ion:	120	Resp:	2630
Ion Ratio	Lower	Upper	
120	100		
91	495.7	329.5	494.3#





#74

2-Chlorotoluene

Concen: 0.485 ug/l

RT: 11.01 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU037129.D

Acq: 09 Mar 2020 12:23

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC0.5

Tot Ion:126 Resp: 2557

Ion Ratio Lower Upper

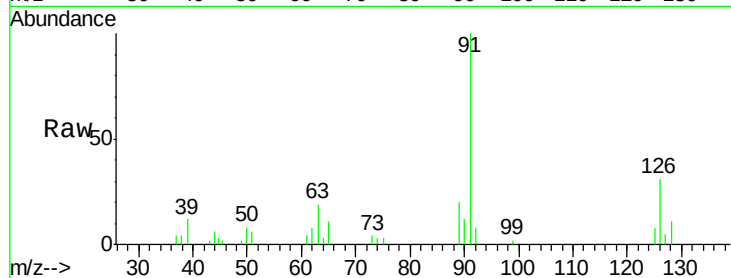
126 100

91 318.7 0.0 567.4

Manual Integrations
APPROVED

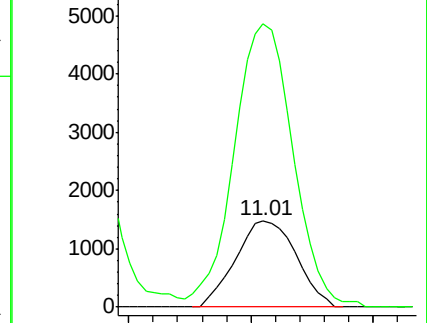
sam

3/10/2020 3:06:14 PM

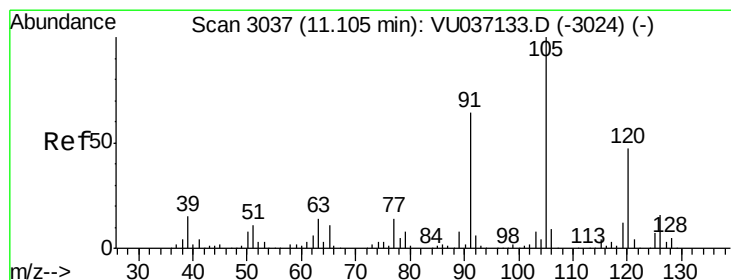
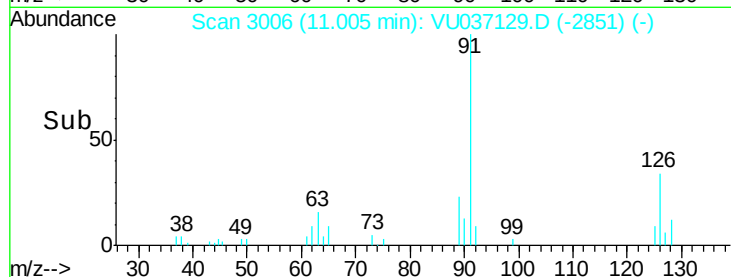


Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#75

1,3,5-Trimethylbenzene

Concen: 0.450 ug/l

RT: 11.11 min Scan# 3038

Delta R.T. 0.00 min

Lab File: VU037129.D

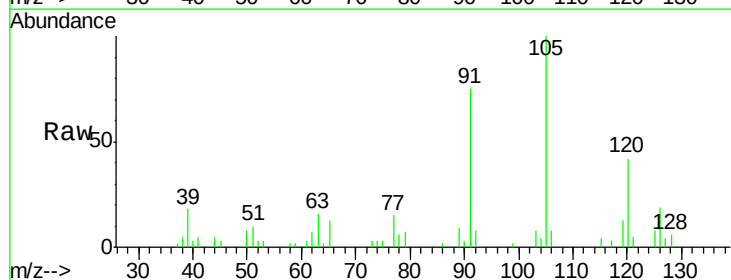
Acq: 09 Mar 2020 12:23

Tgt Ion:105 Resp: 8443

Ion Ratio Lower Upper

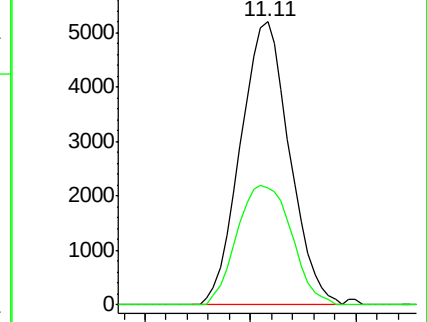
105 100

120 46.7 39.8 59.8

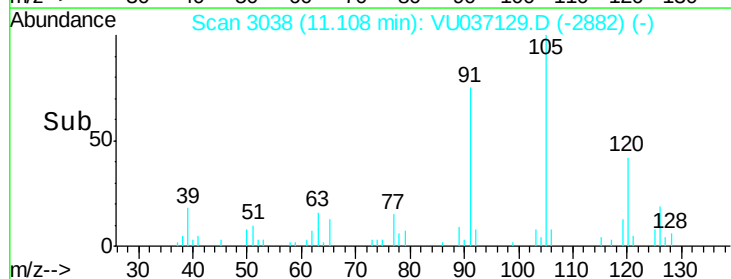


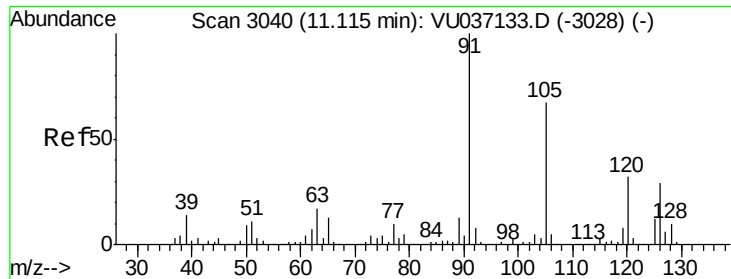
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





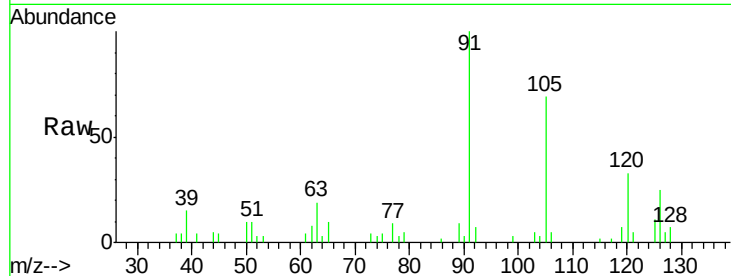
#76
4-Chlorotoluene
Concen: 0.431 ug/l
RT: 11.11 min Scan# 3040
Delta R.T. -0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

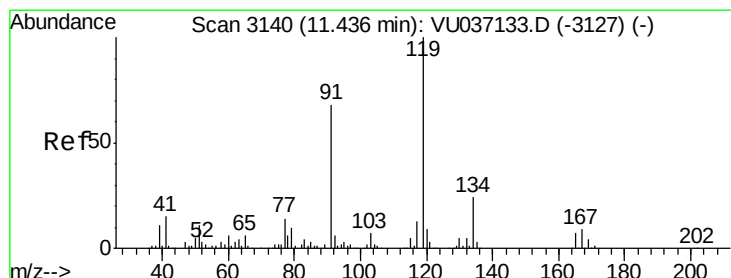
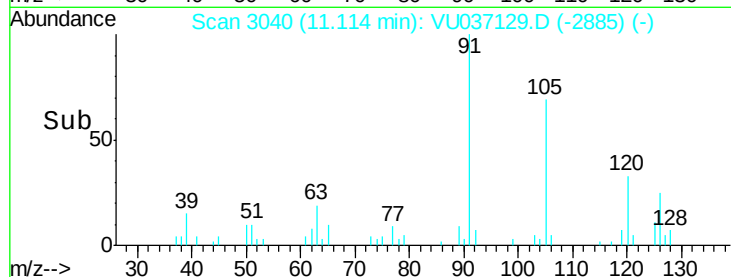
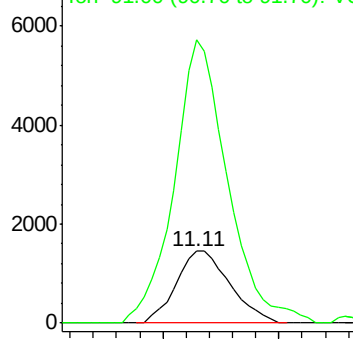
Tot Ion:126 Resp: 2350
Ion Ratio Lower Upper
126 100
91 388.0 0.0 633.0

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM

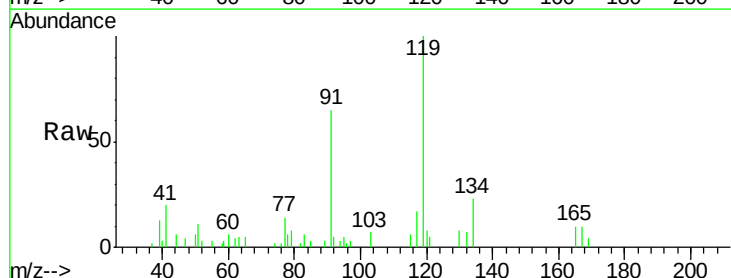


Abundance Ion 126.00 (125.70 to 126.70): V
Ion 91.00 (90.70 to 91.70): VU0

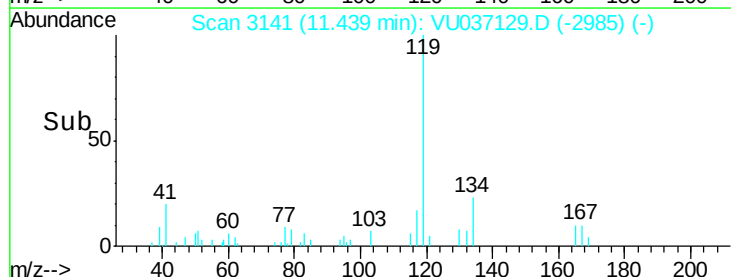
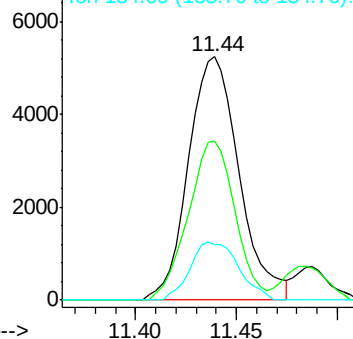


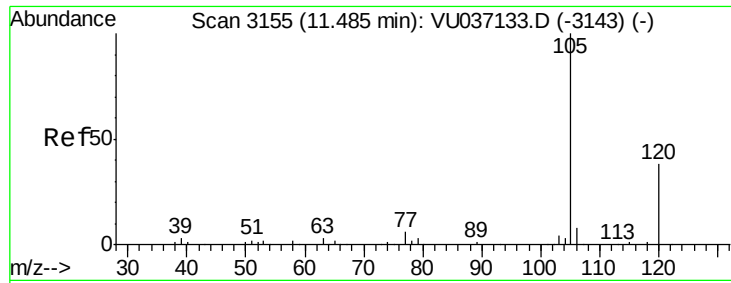
#77
tert-Butylbenzene
Concen: 0.519 ug/l
RT: 11.44 min Scan# 3141
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion:119 Resp: 9229
Ion Ratio Lower Upper
119 100
91 60.2 29.3 87.8
134 22.8 19.0 28.4



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VU0
Ion 134.00 (133.70 to 134.70): V





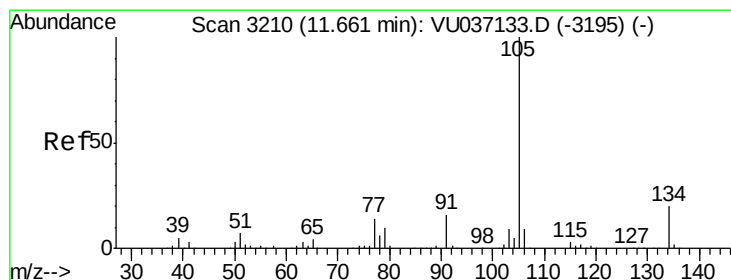
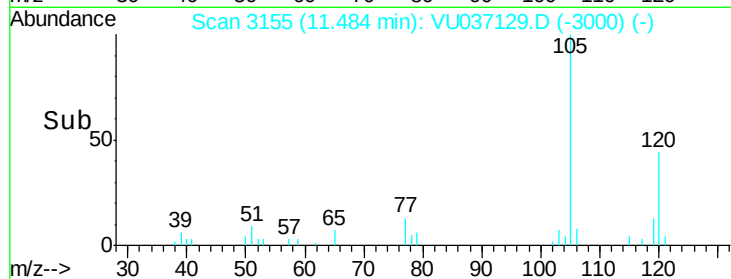
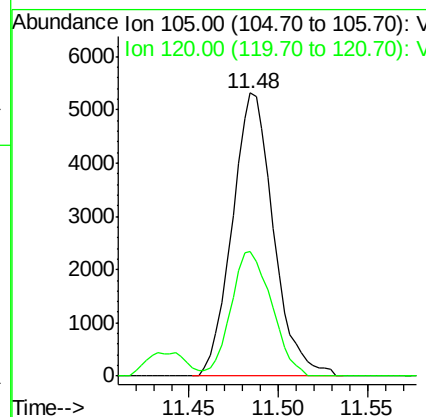
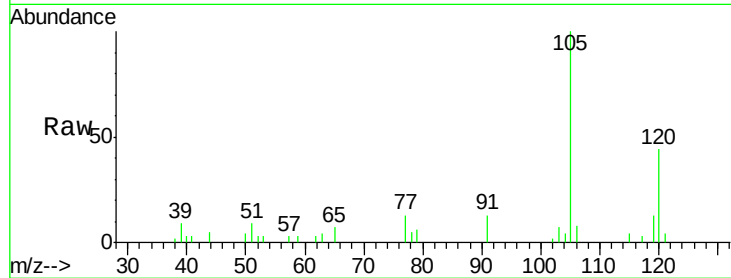
#78
 1,2,4-Trimethylbenzene
 Concen: 0.441 ug/l
 RT: 11.48 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.3	23.3	69.8

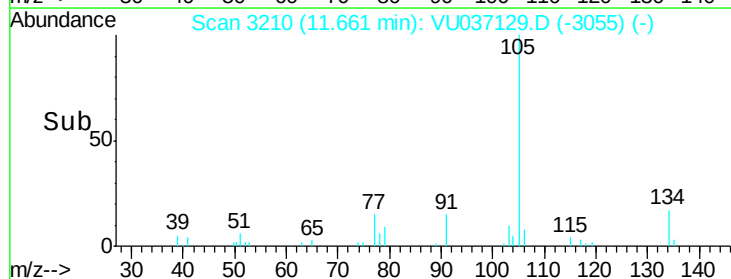
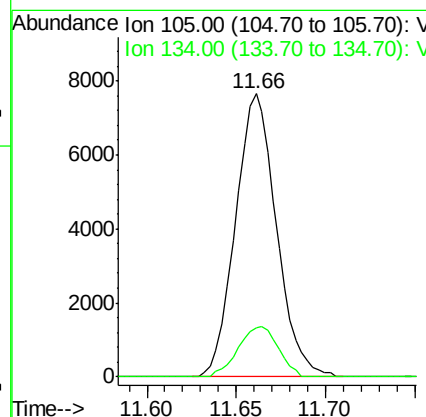
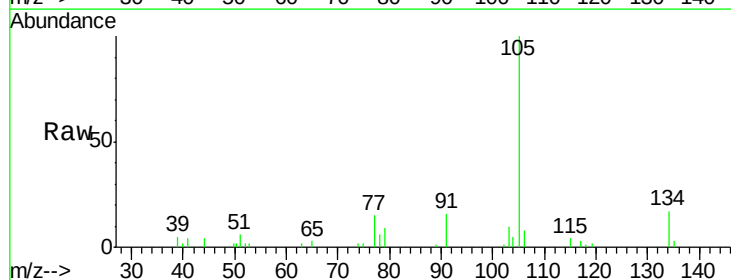
Manual Integrations
 APPROVED

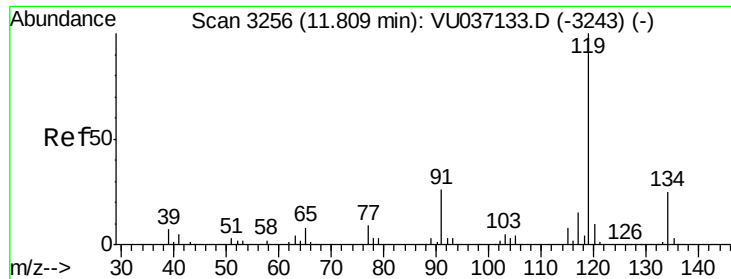
sam
 3/10/2020 3:06:14 PM



#79
 sec-Butylbenzene
 Concen: 0.493 ug/l
 RT: 11.66 min Scan# 3210
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.4	16.0	24.0





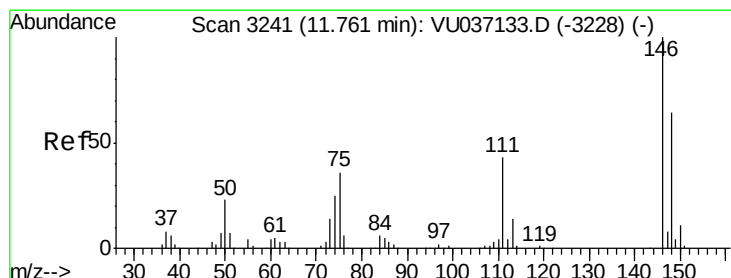
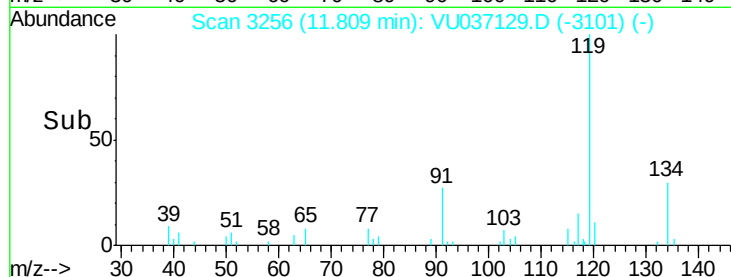
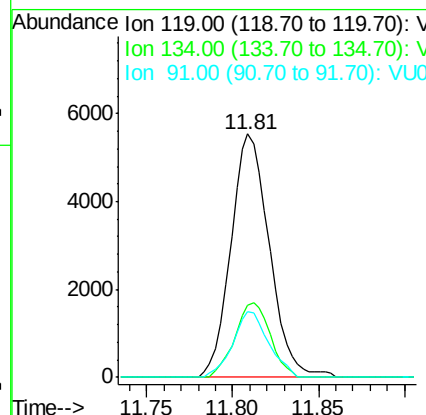
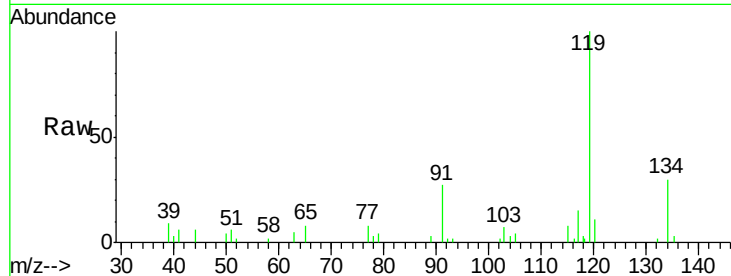
#81
 p-Isopropyltoluene
 Concen: 0.419 ug/l
 RT: 11.81 min Scan# 3256
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	21.4	32.0
91	25.2	18.3	27.5

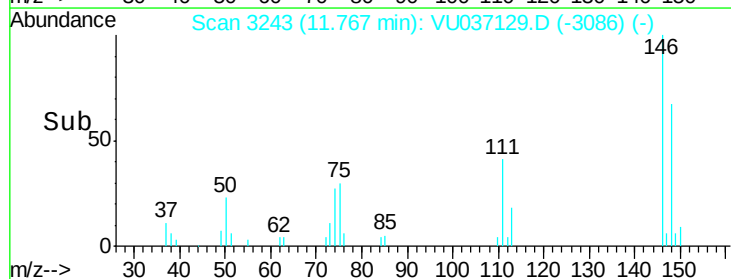
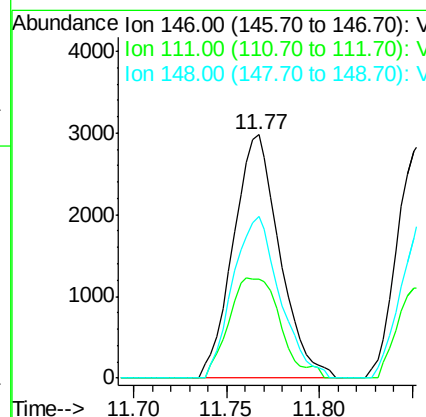
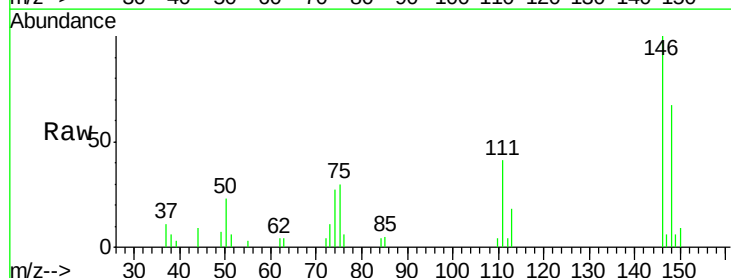
Manual Integrations
 APPROVED

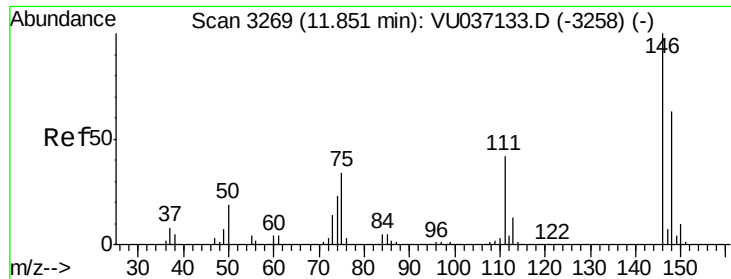
sam
 3/10/2020 3:06:14 PM



#82
 1,3-Dichlorobenzene
 Concen: 0.490 ug/l
 RT: 11.77 min Scan# 3243
 Delta R.T. 0.01 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	32.2	48.2
148	67.1	51.4	77.2





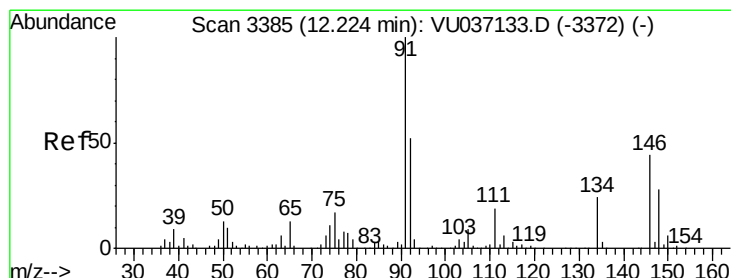
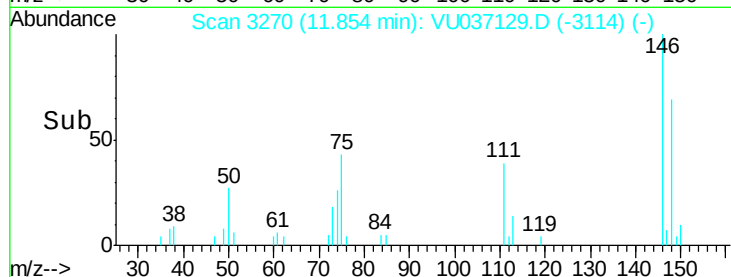
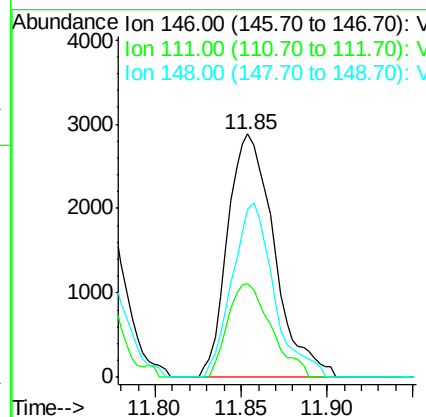
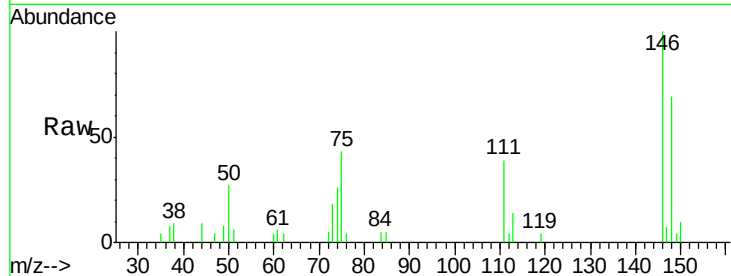
#83
 1,4-Dichlorobenzene
 Concen: 0.516 ug/l
 RT: 11.85 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	30.5	45.7
148	64.0	51.0	76.4

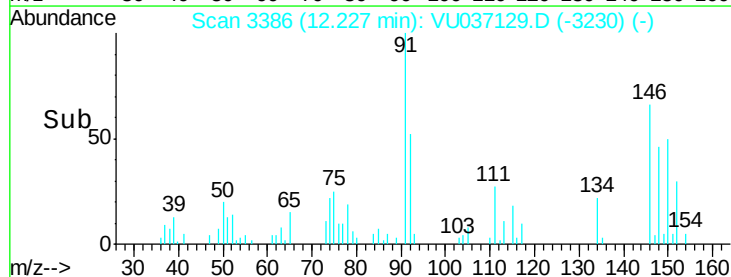
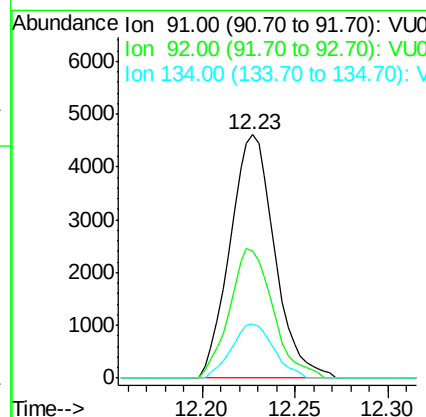
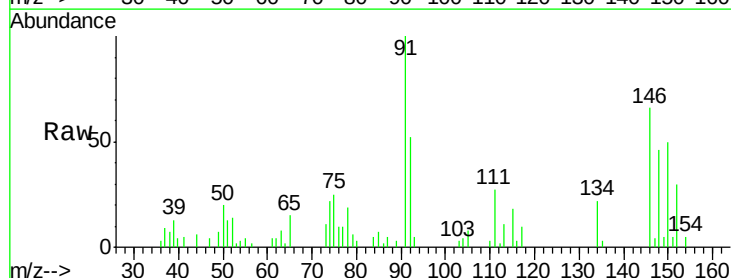
Manual Integrations
 APPROVED

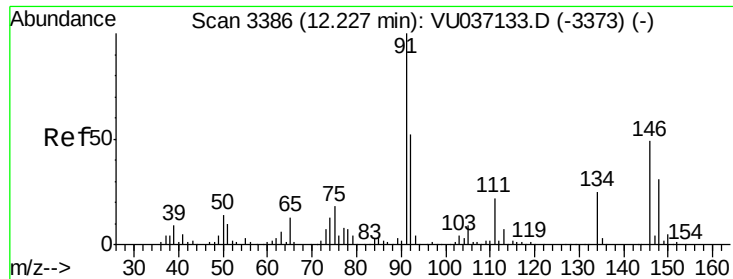
sam
 3/10/2020 3:06:14 PM



#84
 n-Butylbenzene
 Concen: 0.403 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	42.9	64.3
134	21.2	21.4	32.0#





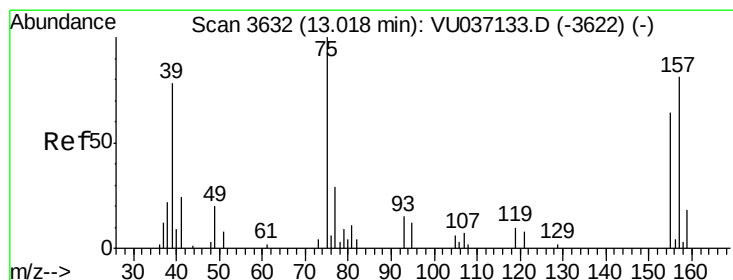
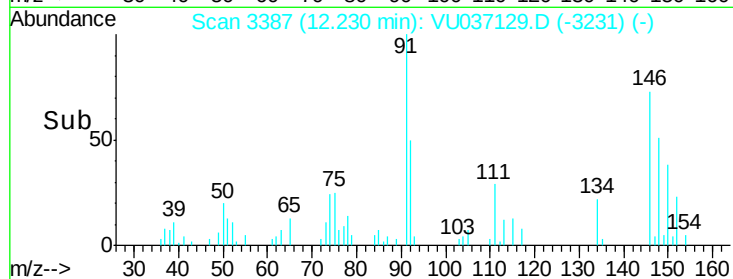
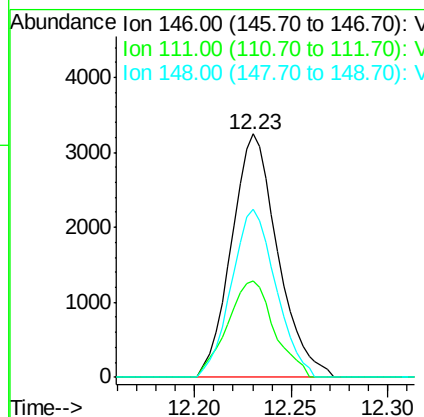
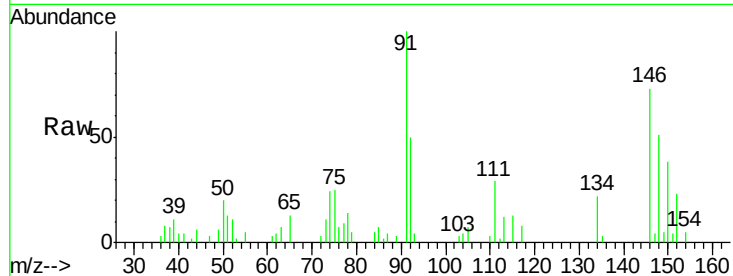
#85
 1,2-Dichlorobenzene
 Concen: 0.534 ug/l
 RT: 12.23 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.4
148	66.3	32.0	96.2

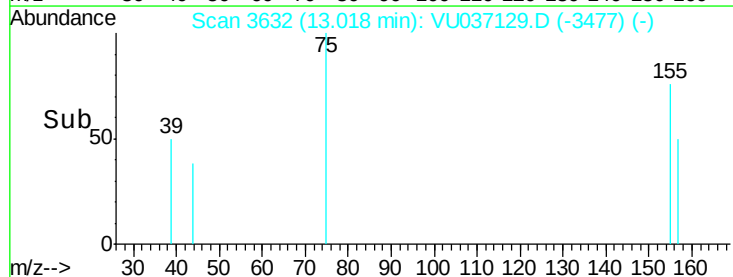
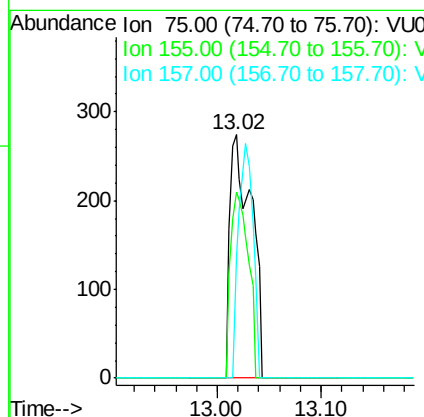
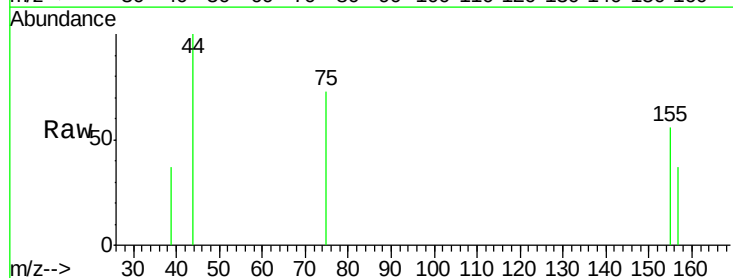
Manual Integrations
 APPROVED

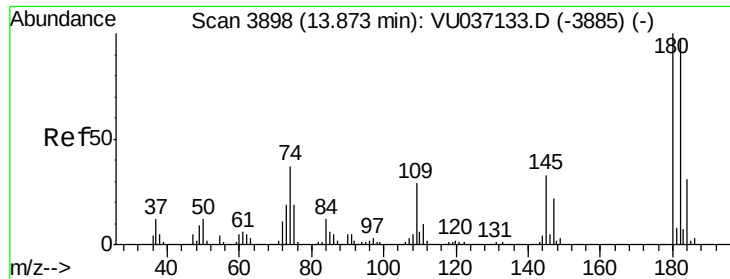
sam
 3/10/2020 3:06:14 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.538 ug/l m
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	63.3	71.8	107.8#
157	66.9	92.4	138.6#





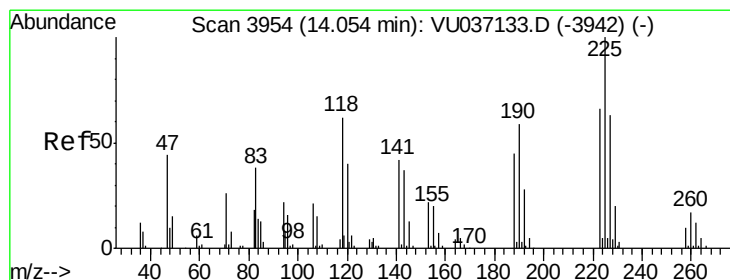
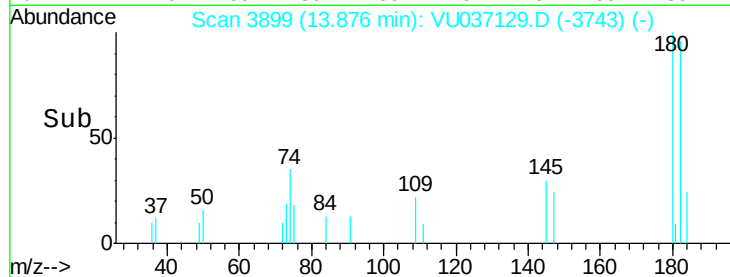
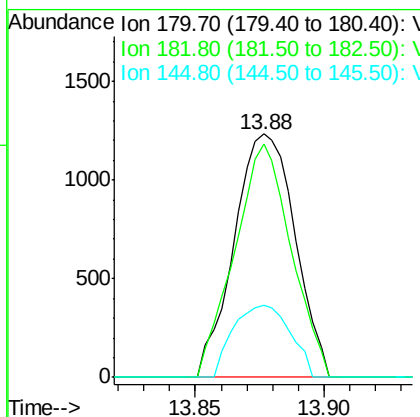
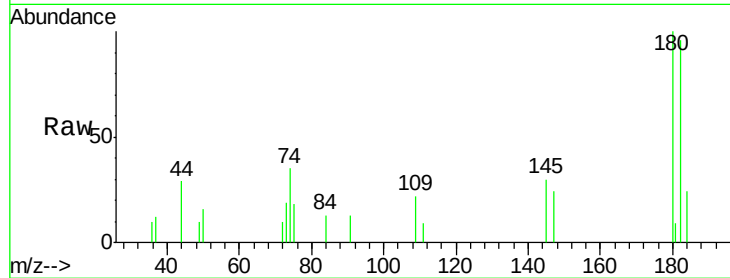
#87
 1,2,4-Trichlorobenzene
 Concen: 0.313 ug/l
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.9	75.9	113.9
145	27.7	23.4	35.2

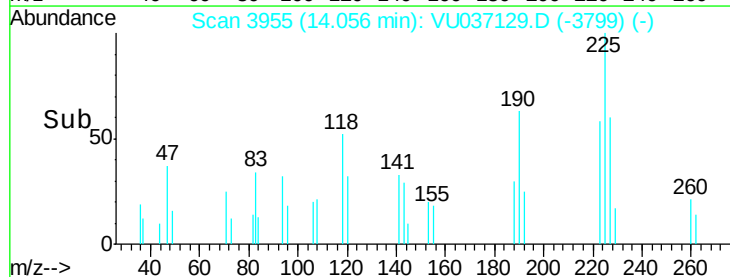
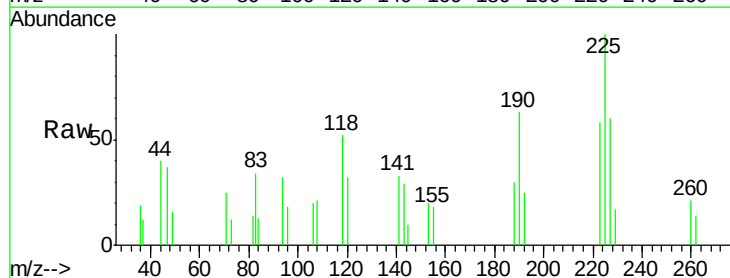
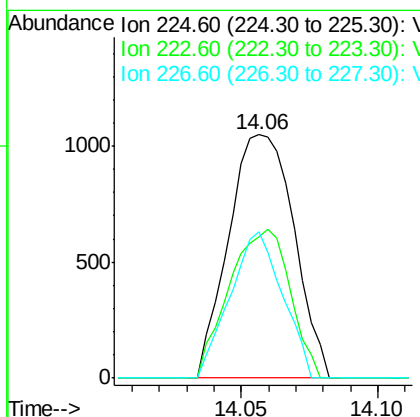
Manual Integrations
 APPROVED

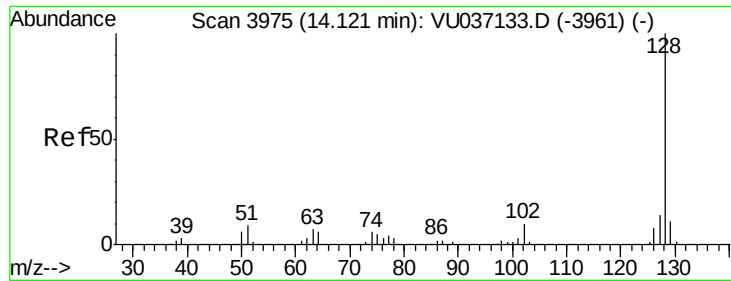
sam
 3/10/2020 3:06:14 PM



#88
 Hexachlorobutadiene
 Concen: 0.493 ug/l
 RT: 14.06 min Scan# 3955
 Delta R.T. 0.00 min
 Lab File: VU037129.D
 Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.0	51.7	77.5
227	48.2	50.6	75.8#





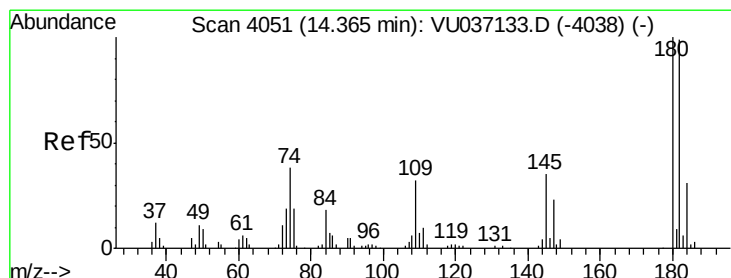
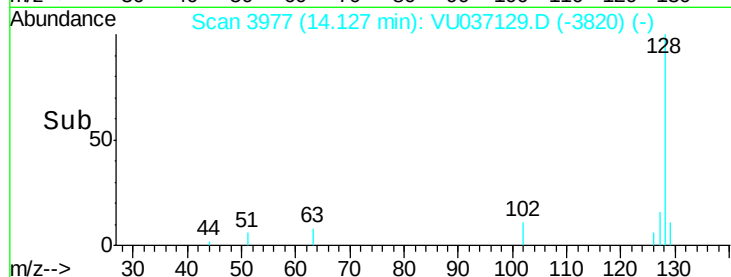
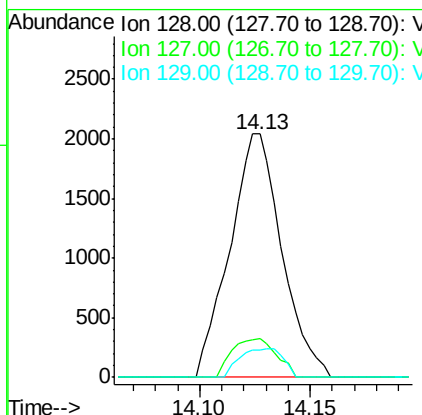
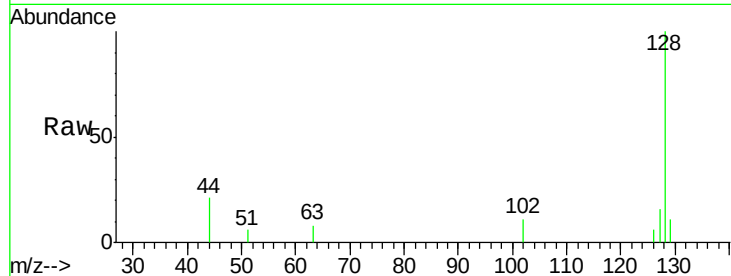
#89
Naphthalene
Concen: 0.299 ug/l
RT: 14.13 min Scan# 3977
Delta R.T. 0.01 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	9.9	8.7	13.1

Manual Integrations
APPROVED

sam
3/10/2020 3:06:14 PM



#90
1,2,3-Trichlorobenzene
Concen: 0.344 ug/l
RT: 14.37 min Scan# 4052
Delta R.T. 0.00 min
Lab File: VU037129.D
Acq: 09 Mar 2020 12:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.8	76.2	114.4
145	27.8	25.2	37.8

