

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U012220\
 Data File : VU036527.D
 Acq On : 22 Jan 2020 15:46
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

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1/23/2020 3:21:34 PM

Quant Time: Jan 22 22:24:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U012220DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jan 22 22:08:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.15	96	36312	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	13294	0.92	ug/l	0.00
Spiked Amount 1.000			Recovery	=	92.00%	
68) 1,2-Dichlorobenzene-d4	12.21	152	14622	1.16	ug/l	0.00
Spiked Amount 1.000			Recovery	=	116.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.39	85	61783	5.947	ug/l	99
3) Chloromethane	1.54	50	65028	4.837	ug/l	98
4) Vinyl Chloride	1.62	62	74400	4.820	ug/l	100
5) Bromomethane	1.88	94	43976	5.365	ug/l	100
6) Chloroethane	1.95	64	39679	4.404	ug/l	97
7) Trichlorofluoromethane	2.16	101	73533	4.102	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	45614	4.861	ug/l	99
9) 1,1-Dichloroethene	2.61	96	48606	5.079	ug/l	98
10) Iodomethane	2.75	142	57288	4.999	ug/l	99
11) Allyl Chloride	2.95	41	68314	3.640	ug/l	100
12) Acrylonitrile	3.37	53	24643	9.178	ug/l	94
13) Acetone	2.68	43	41571	12.912	ug/l	99
14) Carbon Disulfide	2.82	76	167779	4.694	ug/l	100
15) Methylene Chloride	3.08	84	57447	4.556	ug/l	96
16) trans-1,2-Dichloroethene	3.39	96	53349	4.984	ug/l	99
17) 1,1-Dichloroethane	3.92	63	86683	4.531	ug/l	99
18) 2-Butanone	4.78	43	62932	18.149	ug/l	98
19) Cyclohexane	5.42	56	81066m	4.361	ug/l	
20) Methylcyclohexane	6.80	83	91512	4.963	ug/l	100
21) 2,2-Dichloropropane	4.71	77	75074	4.340	ug/l	99
22) cis-1,2-Dichloroethene	4.71	96	54955	5.067	ug/l	99
23) Diethyl Ether	2.41	59	37291	4.469	ug/l	99
24) tert-Butyl Alcohol	3.29	59	34646	40.127	ug/l	99
25) Methyl tert-Butyl Ether	3.42	73	127933	4.369	ug/l	99
26) Bromochloromethane	5.02	128	24119	5.549	ug/l	98
27) Chloroform	5.13	83	86917	4.563	ug/l	99
28) 1,1,1-Trichloroethane	5.36	97	72900	4.323	ug/l	99
29) 1,1-Dichloropropene	5.56	75	71119	4.616	ug/l	99
30) Carbon Tetrachloride	5.56	117	62418	4.401	ug/l	97
31) Isopropyl Ether	4.06	45	132313	4.110	ug/l	100
32) Ethyl-t-butyl ether	4.56	59	138266	4.391	ug/l	99
33) Tert-Amyl methyl ether	5.99	73	127412	4.452	ug/l	99
34) Propionitrile	4.85	54	20181	23.330	ug/l #	97
35) Benzene	5.81	78	204368	4.743	ug/l	100
36) 1,2-Dichloroethane	5.84	62	54764	3.969	ug/l	99
37) Trichloroethene	6.58	130	56850	5.434	ug/l	99
38) 1,2-Dichloropropane	6.83	63	51374	4.541	ug/l	98
39) Methacrylonitrile	5.03	41	15972	3.897	ug/l	97
40) Methyl acrylate	4.91	55	27334	4.495	ug/l	99
41) Tetrahydrofuran	5.13	42	16546	7.785	ug/l	98
42) 1-Chlorobutane	5.50	56	91008	4.078	ug/l	99

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Manual Integrations
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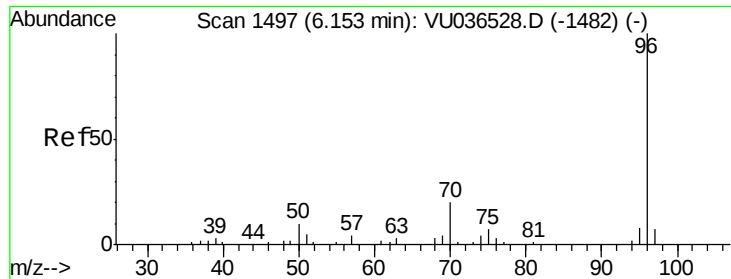
apatel

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Quant Time: Jan 22 22:24:37 2020
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.95	93	27339	4.705	ug/l	99
44) Bromodichloromethane	7.14	83	63282	4.231	ug/l	100
45) 4-Methyl-2-Pentanone	7.83	43	151217	18.817	ug/l	99
46) t-1,4-Dichloro-2-butene	10.86	75	22700m	6.959	ug/l	
47) Methyl methacrylate	7.00	69	52511	9.476	ug/l	99
48) Ethyl methacrylate	8.37	69	51522	4.704	ug/l	100
49) Toluene	8.00	92	130966	4.901	ug/l	99
50) t-1,3-Dichloropropene	8.24	75	64968	4.426	ug/l	99
51) cis-1,3-Dichloropropene	7.64	75	77371	4.561	ug/l	100
52) 1,1,2-Trichloroethane	8.43	97	38493	4.996	ug/l	96
53) 1,3-Dichloropropane	8.61	76	66080	4.595	ug/l	99
54) 2-Hexanone	8.73	43	107710	19.468	ug/l	99
55) Dibromochloromethane	8.84	129	44222	4.901	ug/l	99
56) 1,2-Dibromoethane	8.95	107	37380	4.936	ug/l	100
58) Tetrachloroethene	8.58	164	52775	6.107	ug/l	99
59) Chlorobenzene	9.47	112	144204	5.112	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.56	131	47616	4.985	ug/l	98
61) Pentachloroethane	11.45	117	34161	4.347	ug/l	100
62) Hexachloroethane	12.50	117	39044	4.732	ug/l	98
63) Ethyl Benzene	9.60	91	246965	4.815	ug/l	97
64) m/p-Xylenes	9.72	106	194465	10.253	ug/l	98
65) o-Xylene	10.12	106	94048	5.080	ug/l	100
66) Styrene	10.14	104	156995	5.139	ug/l	100
67) Bromoform	10.32	173	25543	5.717	ug/l	98
69) Isopropylbenzene	10.51	105	245258	4.928	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.81	83	49138	4.734	ug/l	96
71) 1,2,3-Trichloropropane	10.85	75	32845m	4.148	ug/l	
72) Bromobenzene	10.81	156	60066	5.702	ug/l	99
73) n-propylbenzene	10.93	120	70766	5.303	ug/l	98
74) 2-Chlorotoluene	11.01	126	59045	5.160	ug/l	97
75) 1,3,5-Trimethylbenzene	11.11	105	211921	5.018	ug/l	100
76) 4-Chlorotoluene	11.12	126	62692	5.319	ug/l	99
77) tert-Butylbenzene	11.44	119	203034	5.018	ug/l	100
78) 1,2,4-Trimethylbenzene	11.49	105	217894	4.981	ug/l	100
79) sec-Butylbenzene	11.66	105	278363	4.957	ug/l	100
80) Nitrobenzene	13.23	77	3716	20.413	ug/l	99
81) p-Isopropyltoluene	11.81	119	234923	5.246	ug/l	100
82) 1,3-Dichlorobenzene	11.77	146	119262	5.403	ug/l	100
83) 1,4-Dichlorobenzene	11.86	146	119721	5.477	ug/l	100
84) n-Butylbenzene	12.23	91	219828	4.664	ug/l	99
85) 1,2-Dichlorobenzene	12.23	146	113246	5.423	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.02	75	7910	4.193	ug/l	96
87) 1,2,4-Trichlorobenzene	13.86	180	76239	5.749	ug/l	99
88) Hexachlorobutadiene	14.04	225	40171	6.452	ug/l	99
89) Naphthalene	14.10	128	131815	5.011	ug/l	100
90) 1,2,3-Trichlorobenzene	14.35	180	70335	5.775	ug/l	99

(#) = 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

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Instrument :

MSVOA_U

ClientSampleId :

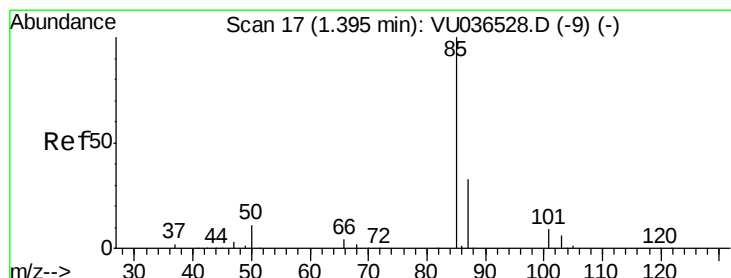
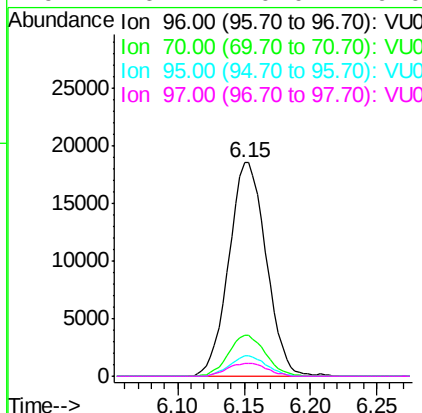
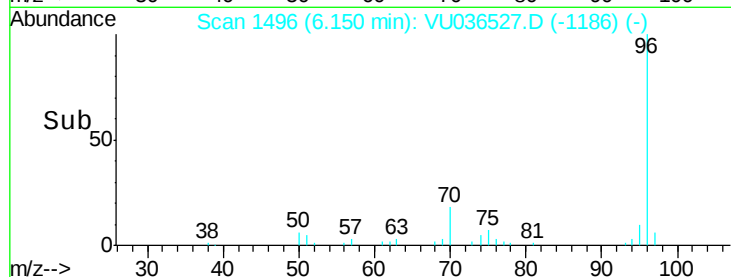
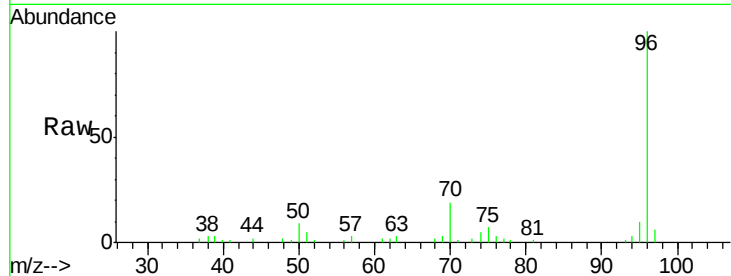
VSTDIC005

Tot Ion:	96	Resp:	36312
Ion Ratio	Lower	Upper	
96	100		
70	19.1	15.6	23.4
95	9.3	7.0	10.6
97	6.4	0.0	0.0#

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#2

Dichlorodifluoromethane

Concen: 5.947 ug/l

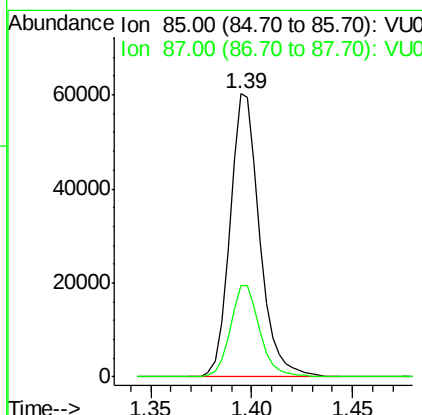
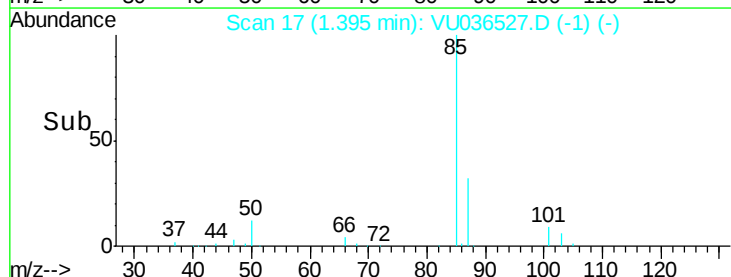
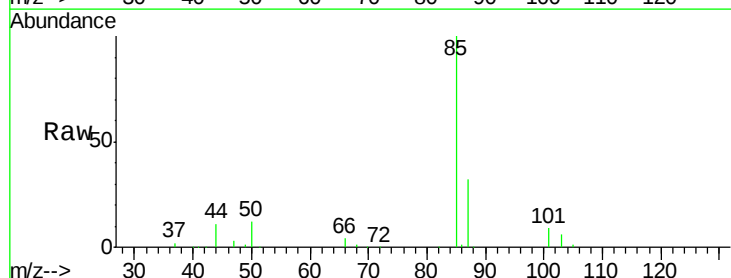
RT: 1.39 min Scan# 17

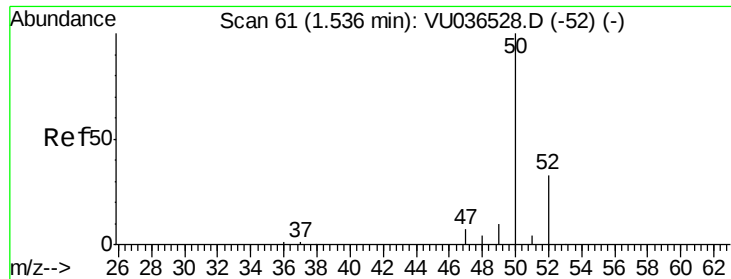
Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Tgt Ion:	85	Resp:	61783
Ion Ratio	Lower	Upper	
85	100		
87	32.1	16.4	49.2





#3

Chloromethane

Concen: 4.837 ug/l

RT: 1.54 min Scan# 62

Delta R.T. 0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 65028

Ion Ratio Lower Upper

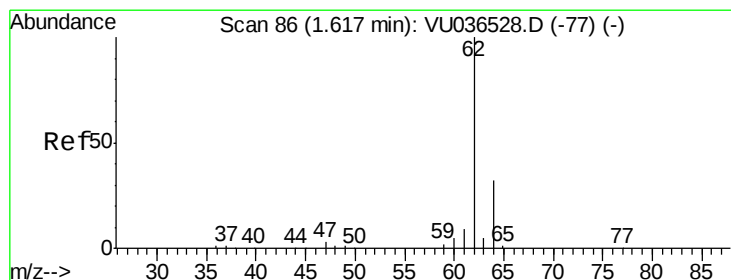
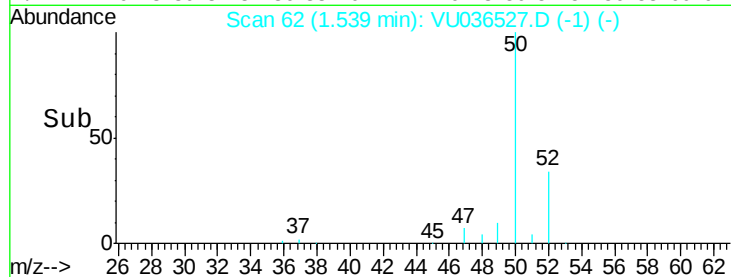
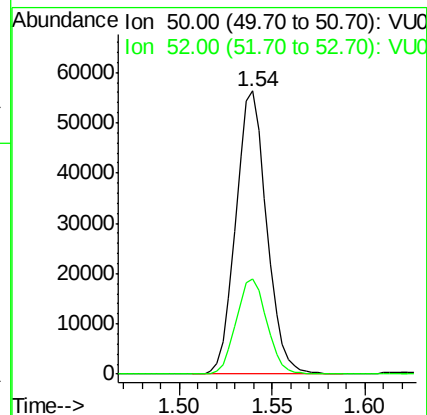
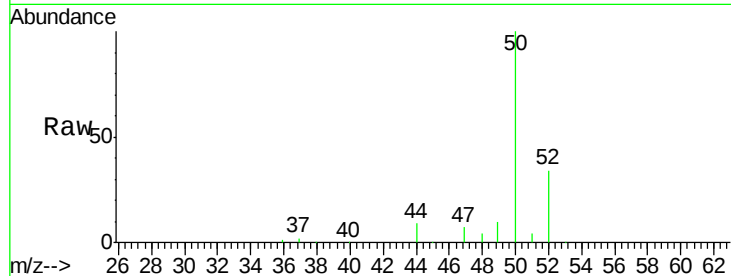
50 100

52 33.6 26.0 39.0

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#4

Vinyl Chloride

Concen: 4.820 ug/l

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU036527.D

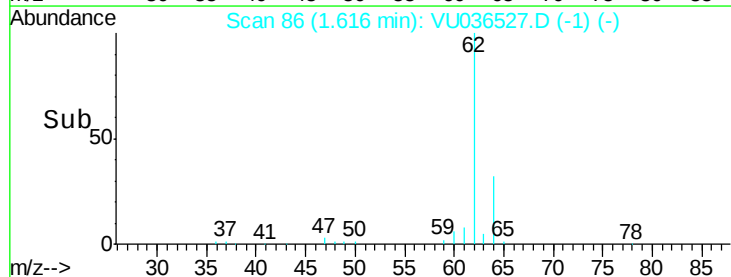
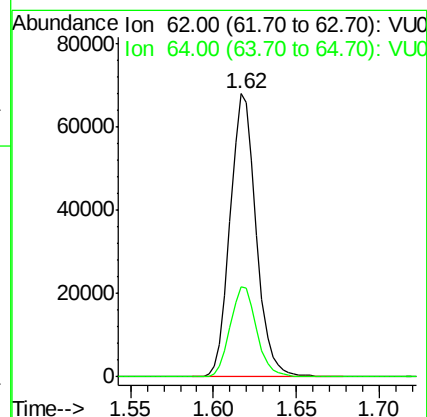
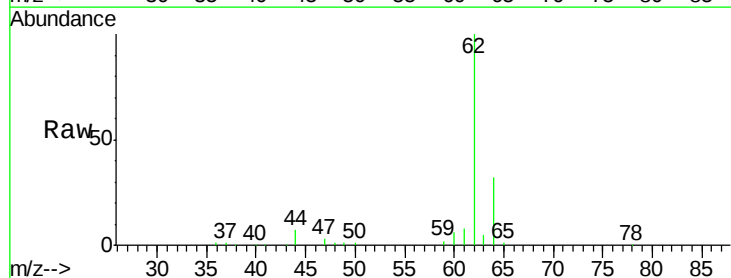
Acq: 22 Jan 2020 15:46

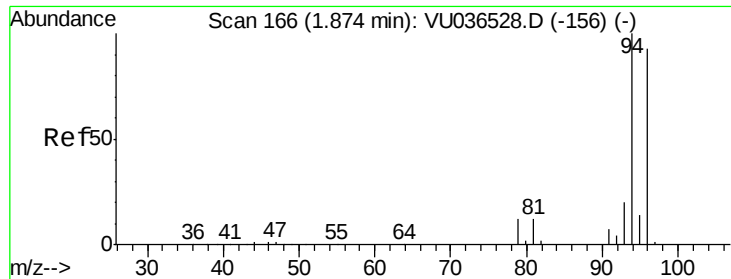
Tgt Ion: 62 Resp: 74400

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5
Bromomethane
Concen: 5.365 ug/l
RT: 1.88 min Scan# 167
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

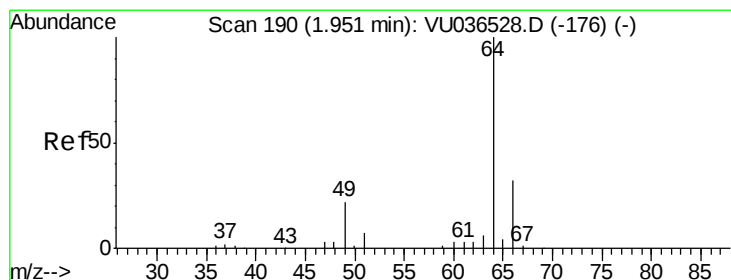
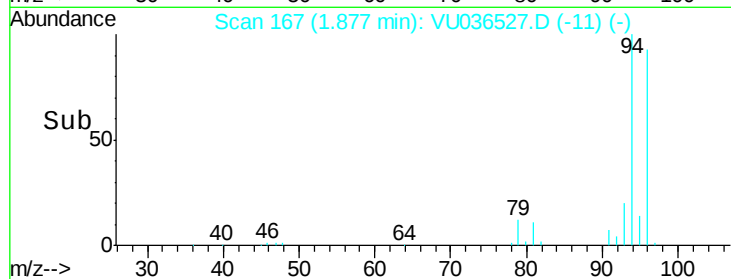
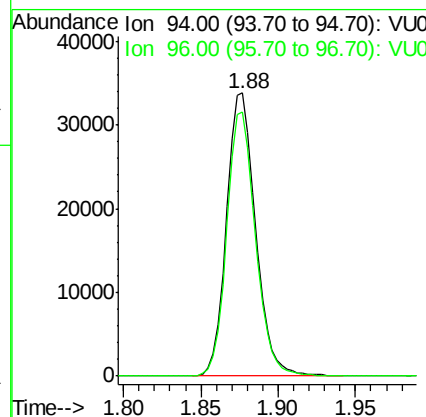
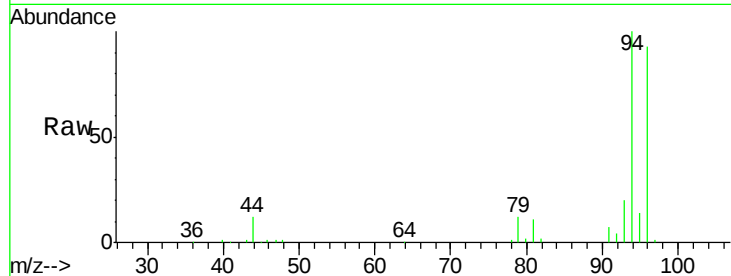
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 94 Resp: 43976
Ion Ratio Lower Upper
94 100
96 93.5 74.6 112.0

Manual Integrations
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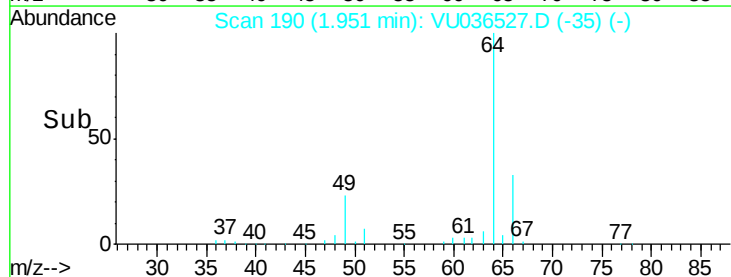
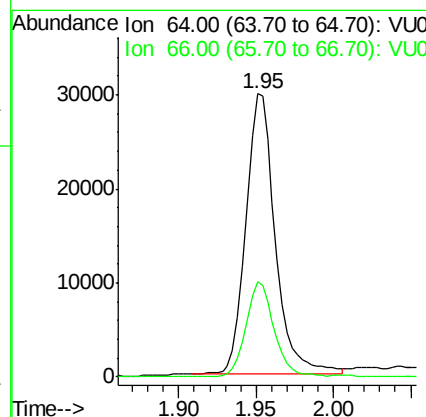
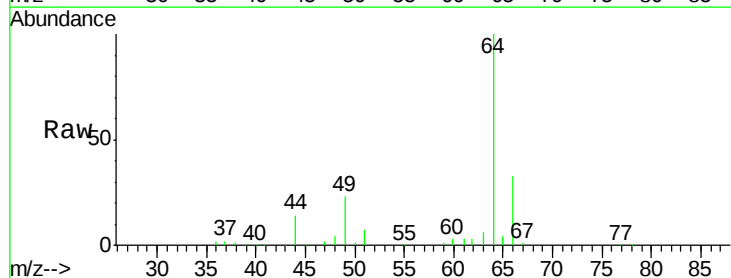
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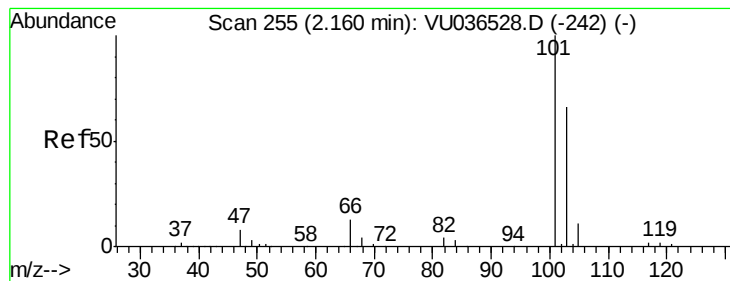
1/23/2020 3:21:34 PM



#6
Chloroethane
Concen: 4.404 ug/l
RT: 1.95 min Scan# 190
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion: 64 Resp: 39679
Ion Ratio Lower Upper
64 100
66 33.7 25.5 38.3





#7

Trichlorofluoromethane
 Concen: 4.102 ug/l
 RT: 2.16 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

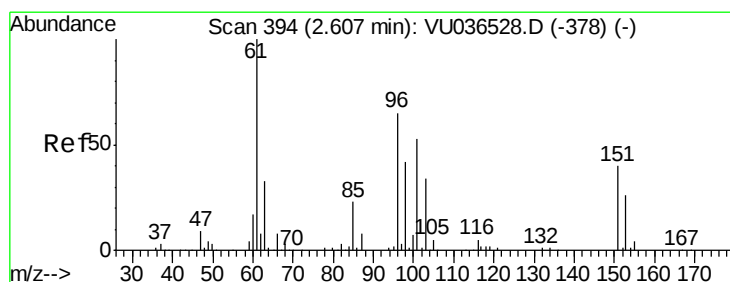
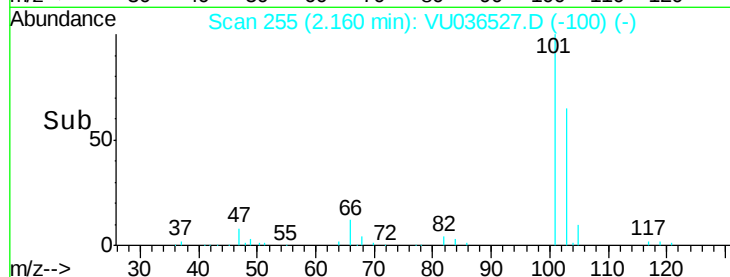
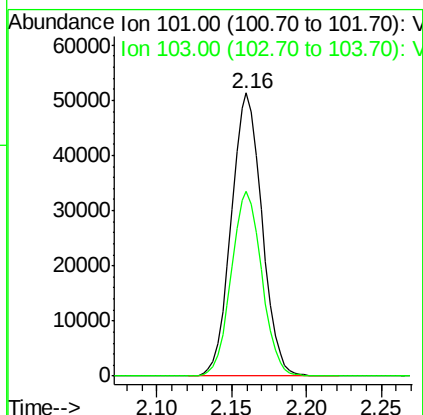
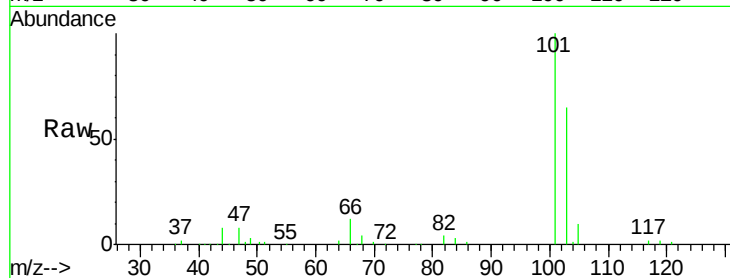
Instrument :
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 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.0	79.6

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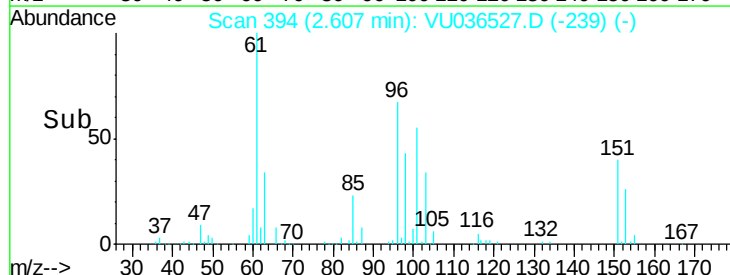
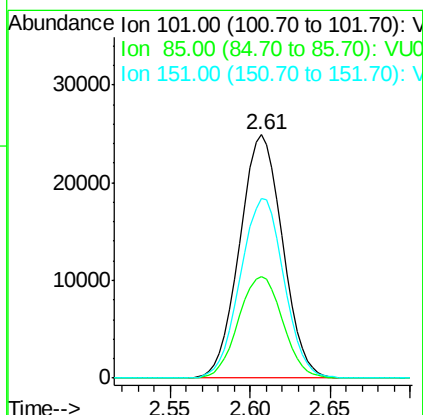
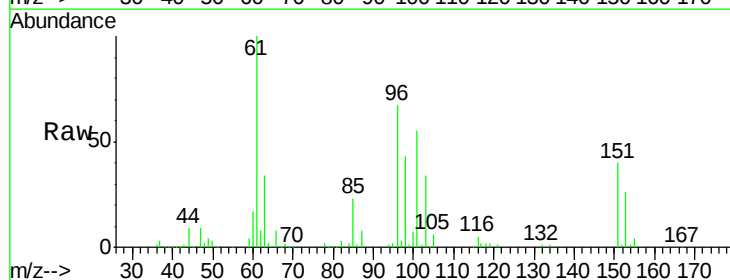
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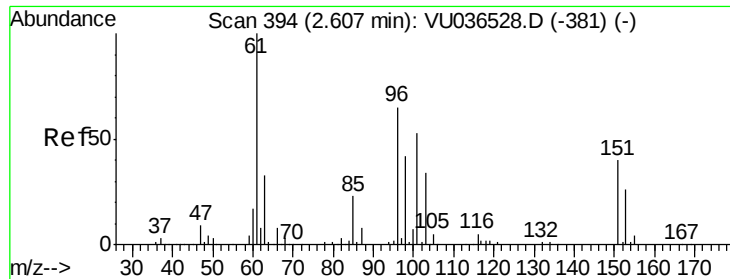


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.861 ug/l
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.9	33.9	50.9
151	75.1	59.8	89.8





#9

1,1-Dichloroethene

Concen: 5.079 ug/l

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

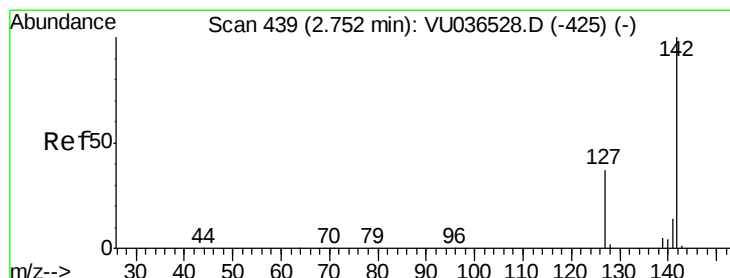
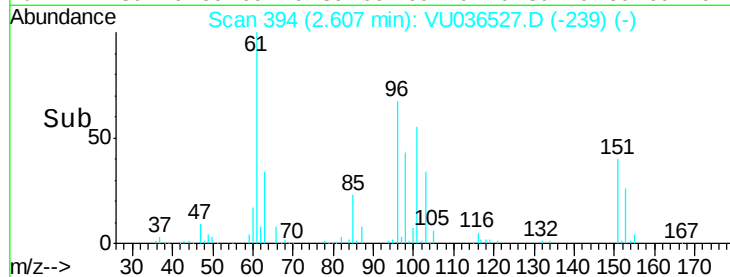
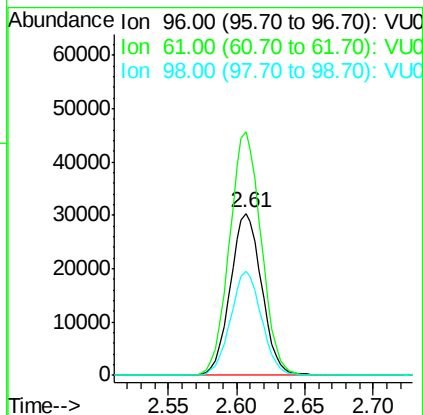
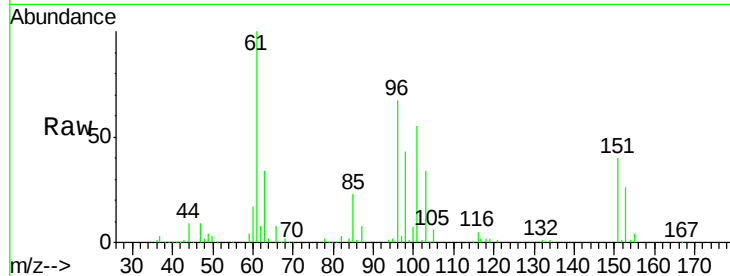
VSTDIC005

Tot Ion:	96	Resp:	48606
Ion Ratio	Lower	Upper	
96	100		
61	150.2	0.0	463.2
98	64.5	0.0	130.0

Manual Integrations
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#10

Iodomethane

Concen: 4.999 ug/l

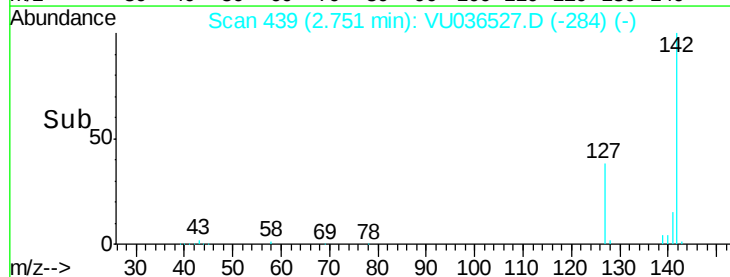
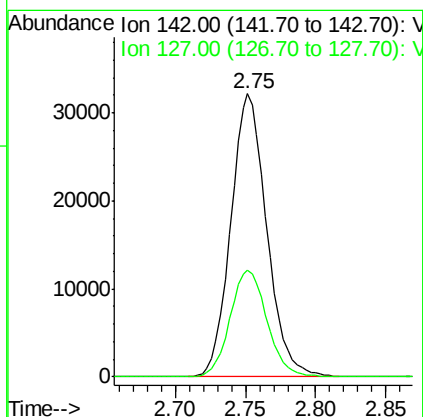
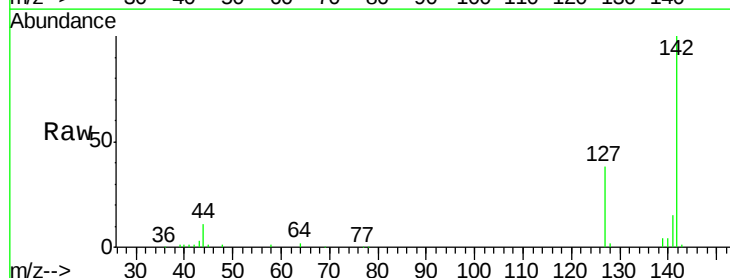
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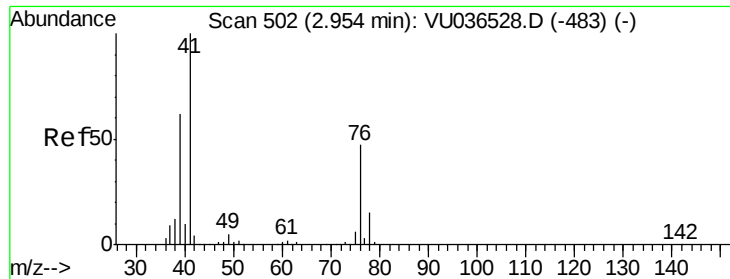
Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Tgt Ion:	142	Resp:	57288
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.3	45.5





#11
Allvl Chloride
Concen: 3.640 ug/l
RT: 2.95 min Scan# 502
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

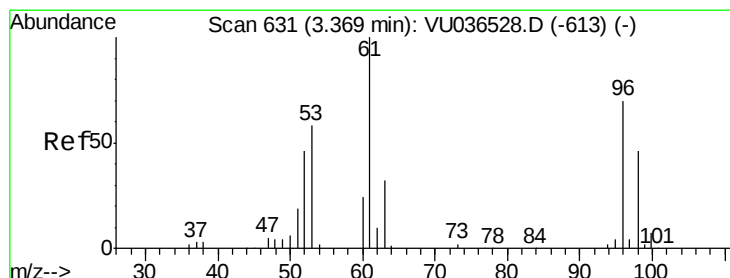
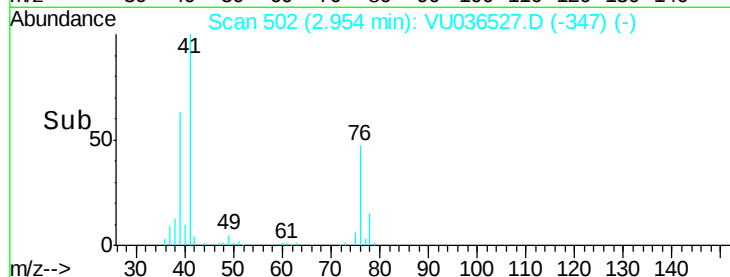
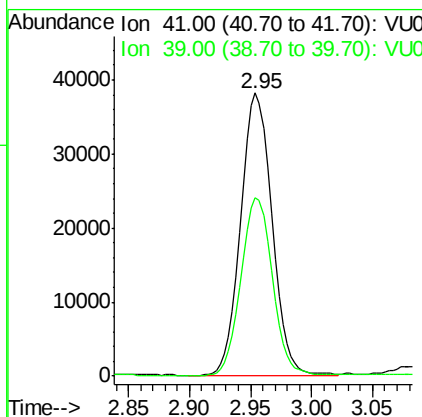
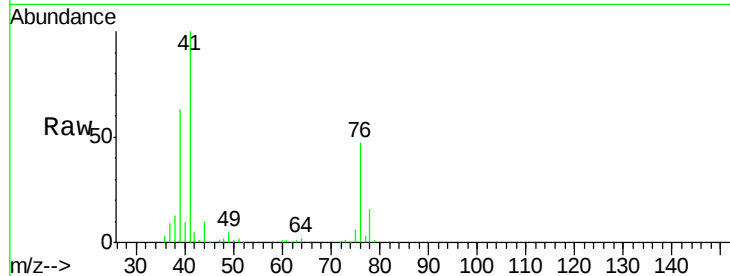
Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion: 41 Resp: 68314
Ion Ratio Lower Upper
41 100
39 63.3 50.7 76.1

Manual Integrations
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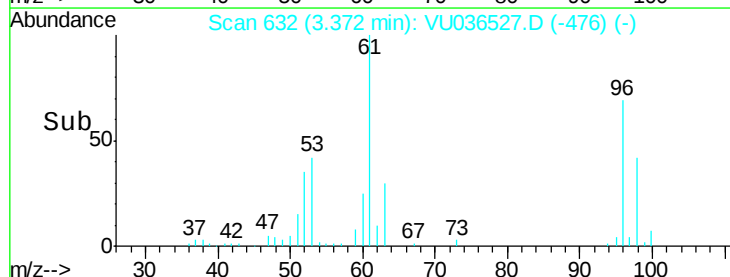
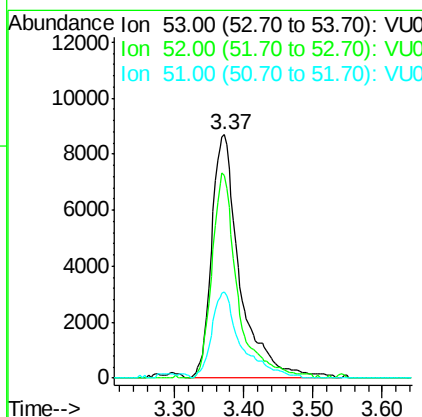
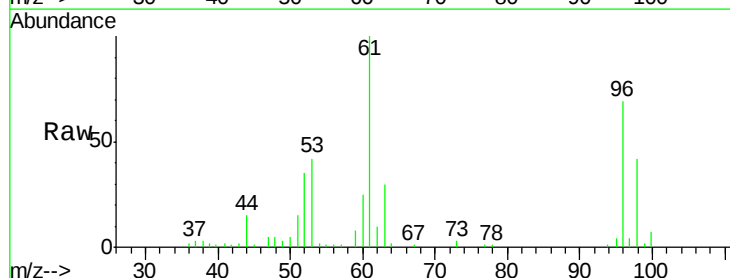
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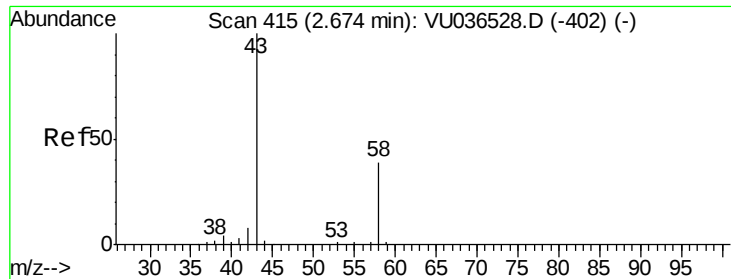
1/23/2020 3:21:34 PM



#12
Acrylonitrile
Concen: 9.178 ug/l
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion: 53 Resp: 24643
Ion Ratio Lower Upper
53 100
52 75.5 64.6 97.0
51 36.7 27.2 40.8





#13
Acetone
Concen: 12.912 ug/l
RT: 2.68 min Scan# 416
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

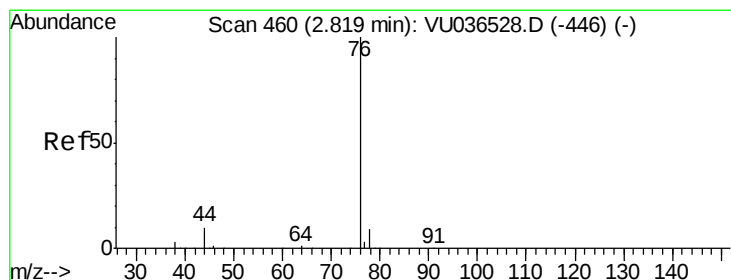
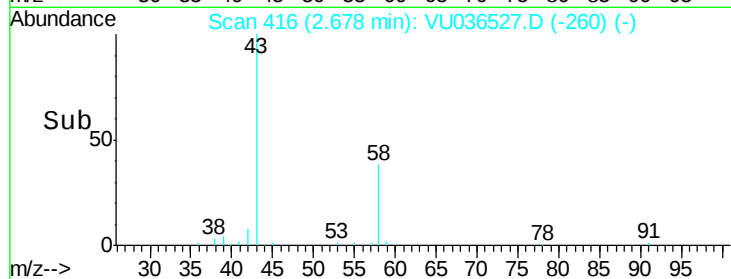
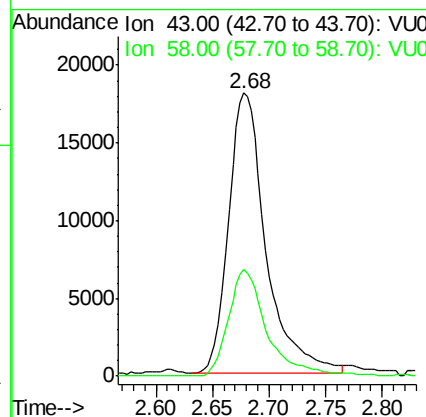
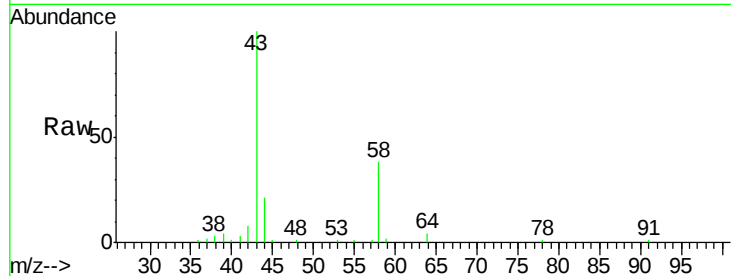
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	41571
Ion Ratio	100	Lower	Upper
58	38.1	30.8	46.2

Manual Integrations
APPROVED

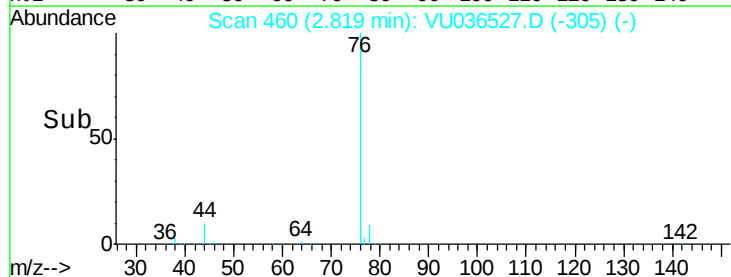
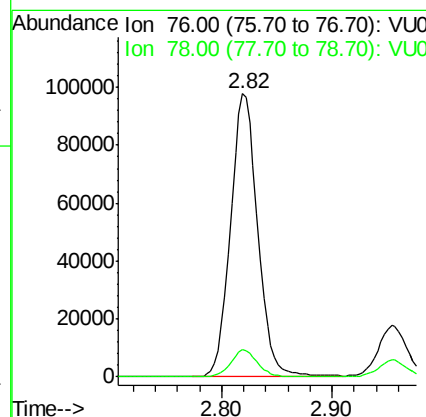
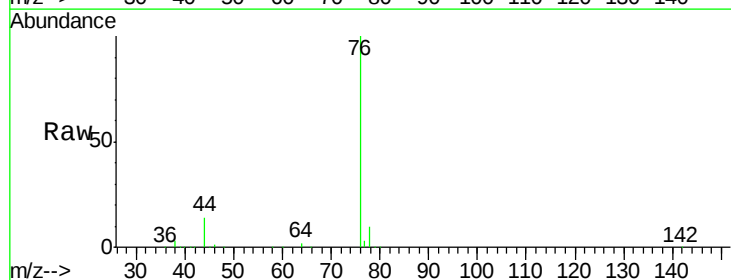
apatel

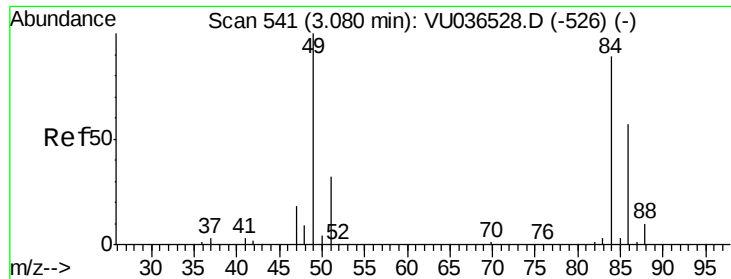
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#14
Carbon Disulfide
Concen: 4.694 ug/l
RT: 2.82 min Scan# 460
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	76	Resp	167779
Ion Ratio	100	Lower	Upper
78	9.3	7.4	11.0





#15
Methvlene Chloride
Concen: 4.556 ug/l
RT: 3.08 min Scan# 541
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

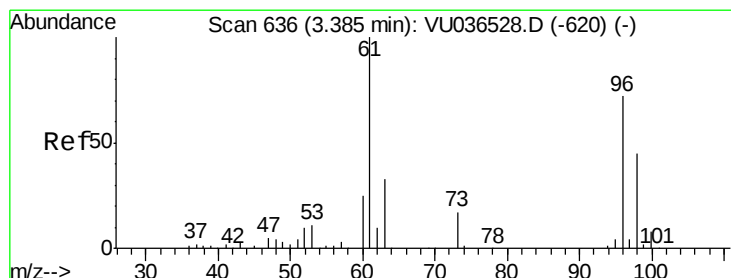
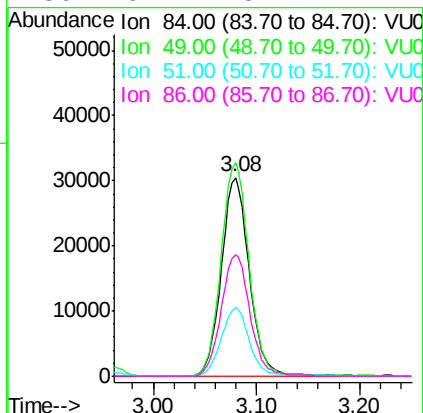
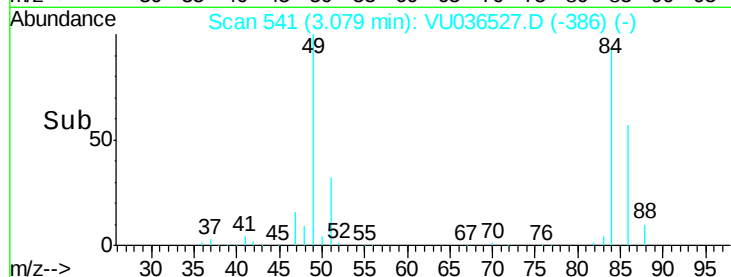
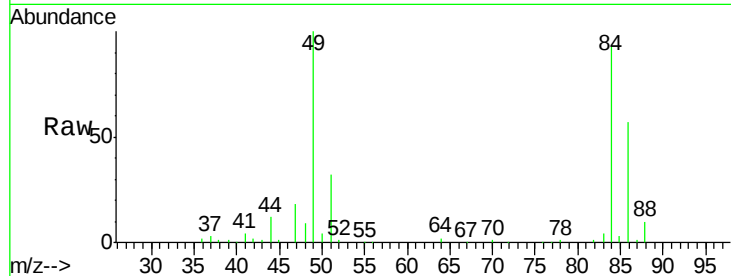
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	57447
Ion	Ratio	Lower	Upper
84	100		
49	107.6	89.7	134.5
51	35.0	0.0	71.6
86	61.4	51.4	77.2

Manual Integrations
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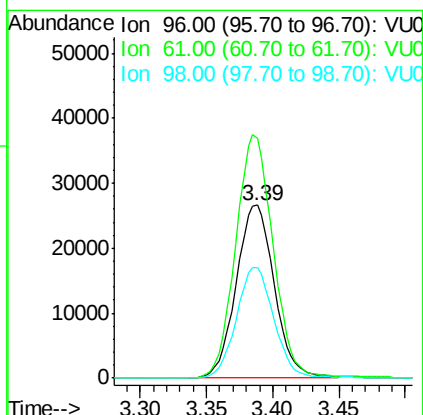
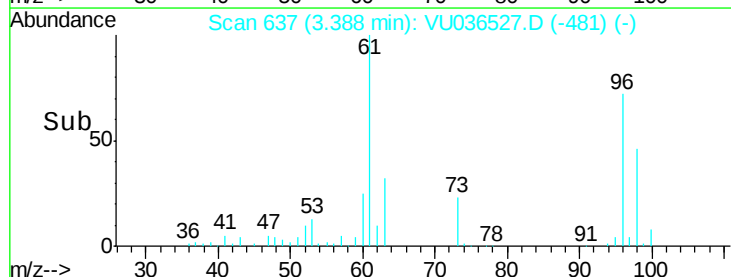
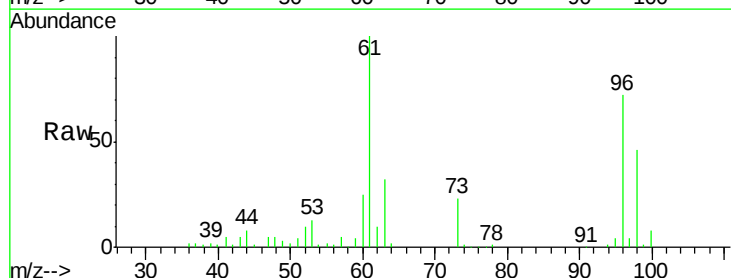
apatel

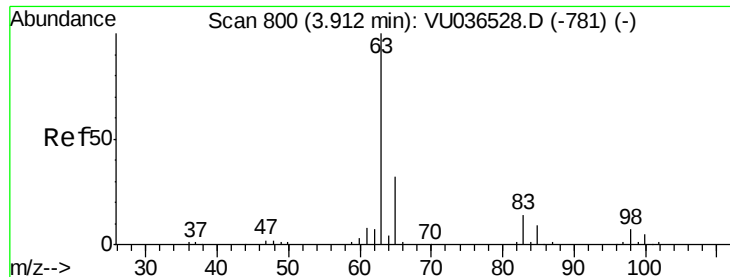
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#16
trans-1,2-Dichloroethene
Concen: 4.984 ug/l
RT: 3.39 min Scan# 637
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion:	96	Resp:	53349
Ion	Ratio	Lower	Upper
96	100		
61	138.7	110.8	166.2
98	64.2	50.3	75.5





#17
 1,1-Dichloroethane
 Concen: 4.531 ug/l
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

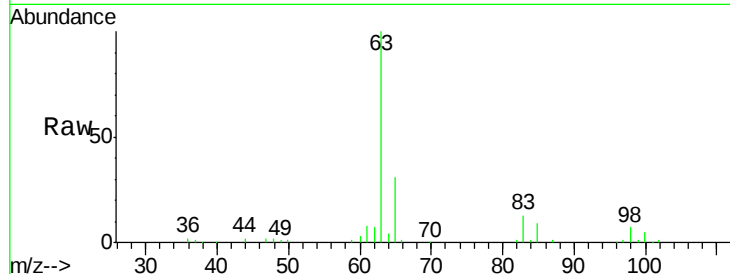
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	86683
Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.5	10.5
100	4.8	2.4	7.1

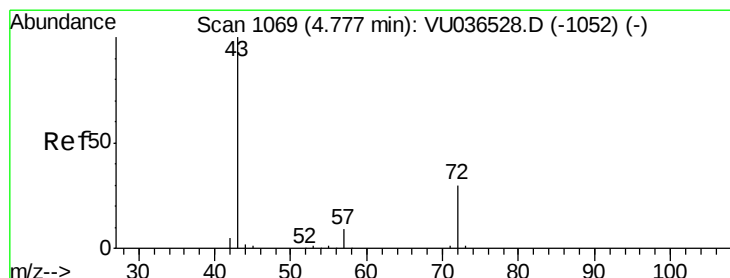
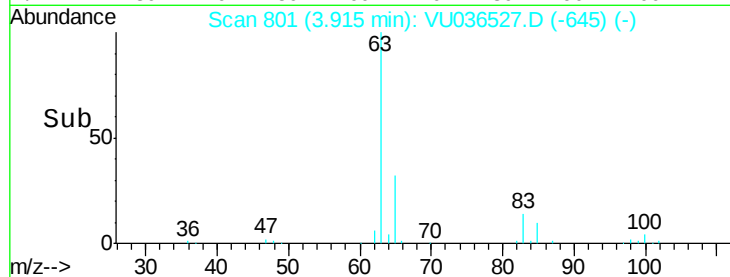
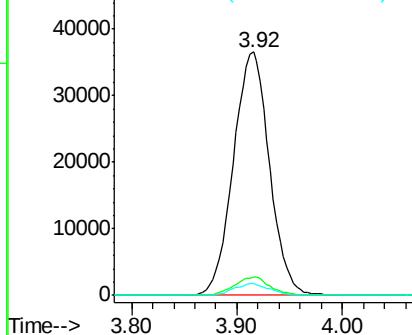
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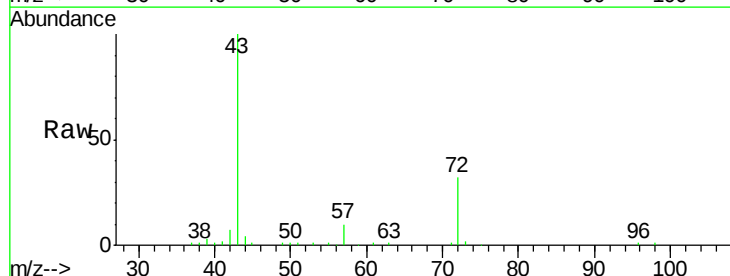


Abundance Ion 63.00 (62.70 to 63.70): VU036527.D (-645) (-)
 Ion 98.00 (97.70 to 98.70): VU036527.D (-645) (-)
 Ion 100.00 (99.70 to 100.70): VU036527.D (-645) (-)

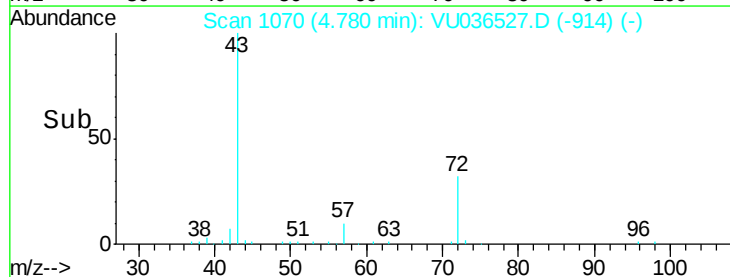
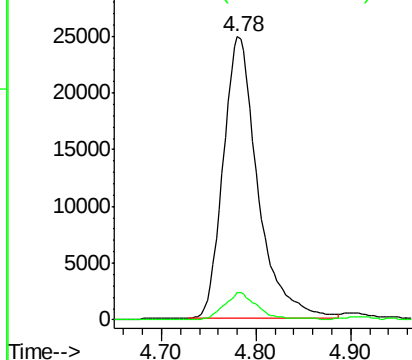


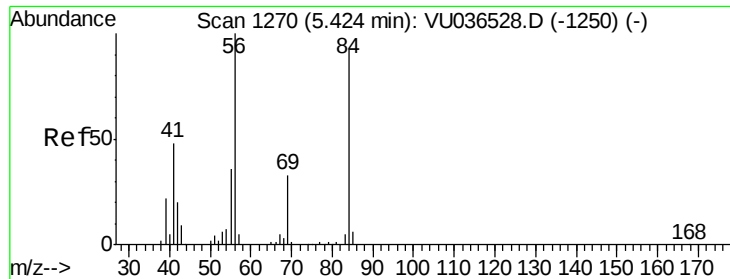
#18
 2-Butanone
 Concen: 18.149 ug/l
 RT: 4.78 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion:	43	Resp:	62932
Ion	Ratio	Lower	Upper
43	100		
57	9.6	0.0	17.8



Abundance Ion 43.00 (42.70 to 43.70): VU036527.D (-914) (-)
 Ion 57.00 (56.70 to 57.70): VU036527.D (-914) (-)





#19
Cyclohexane
Concen: 4.361 ug/l m
RT: 5.42 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

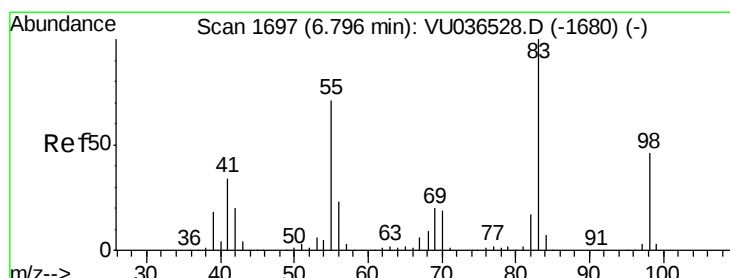
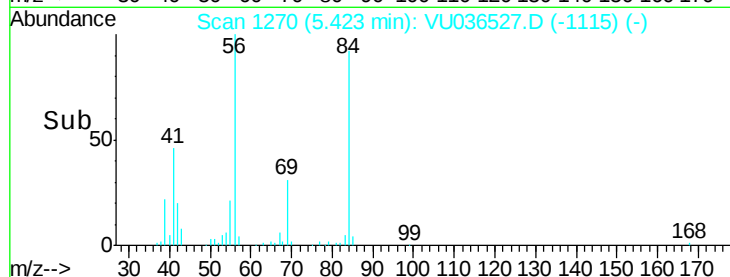
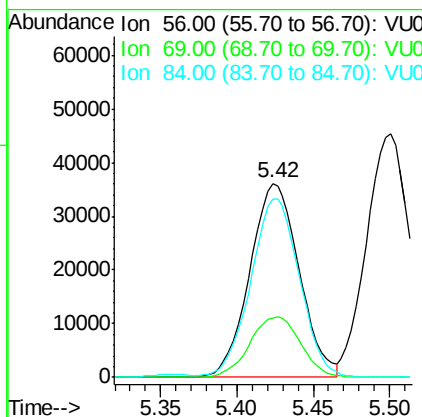
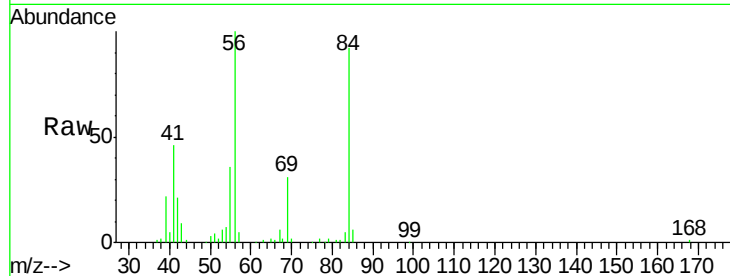
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	56	Resp	81066
Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.2	39.2
84	90.0	72.8	109.2

Manual Integrations
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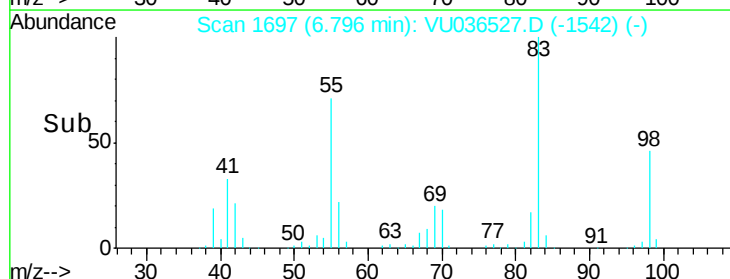
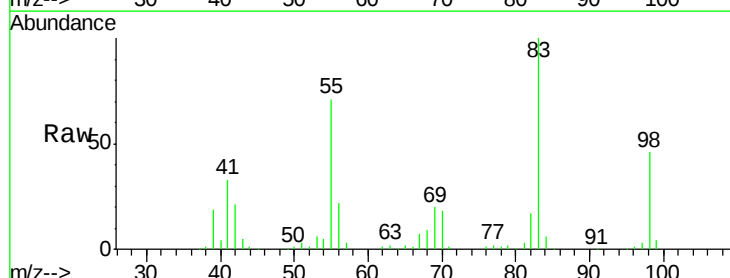
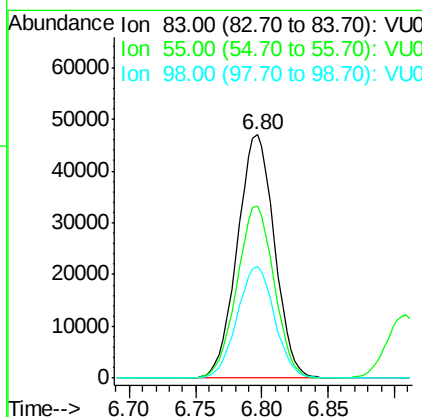
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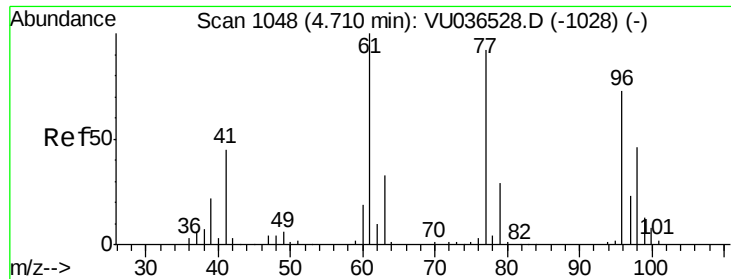
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#20
Methylcyclohexane
Concen: 4.963 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	83	Resp	91512
Ion	Ratio	Lower	Upper
83	100		
55	70.8	56.6	85.0
98	46.1	37.5	56.3





#21
2,2-Dichloropropane
Concen: 4.340 ug/l
RT: 4.71 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

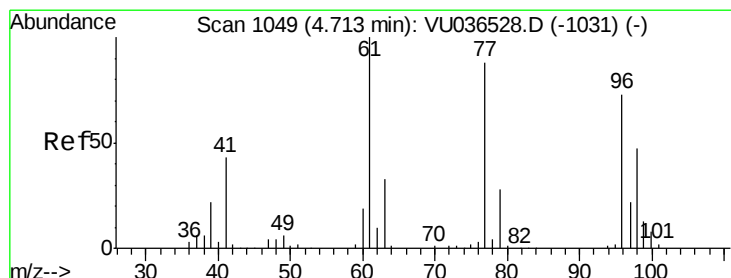
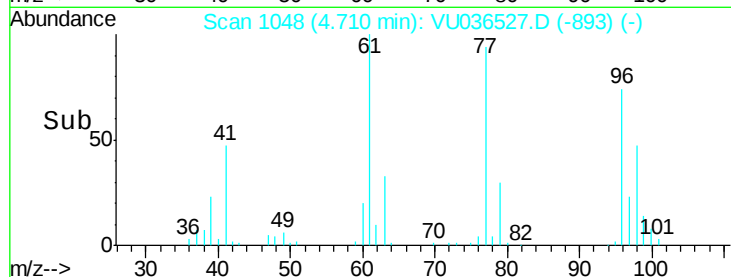
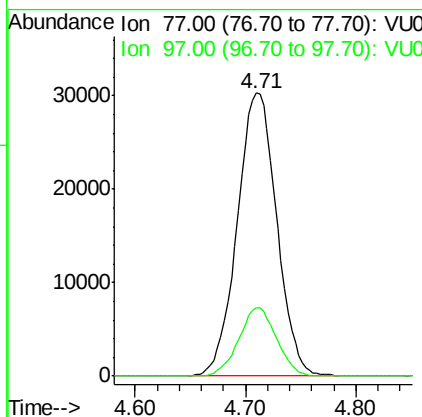
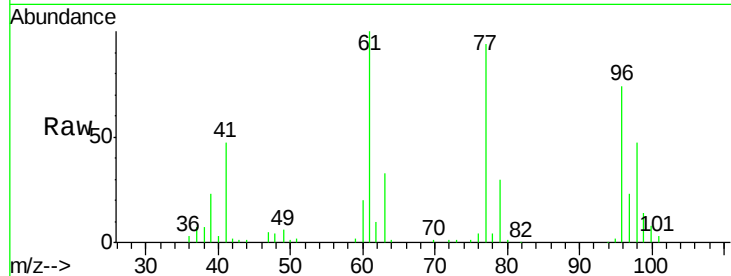
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 77 Resp: 75074
Ion Ratio Lower Upper
77 100
97 23.1 19.0 28.4

Manual Integrations
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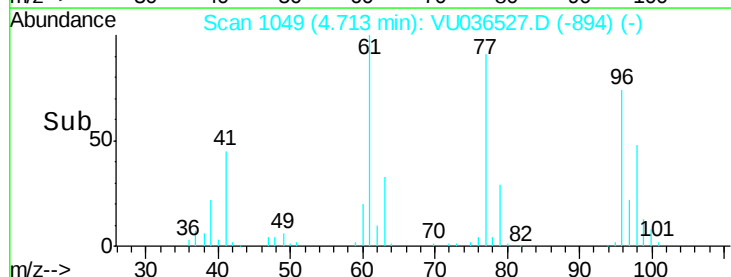
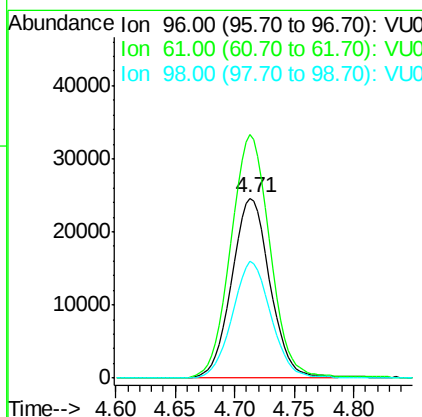
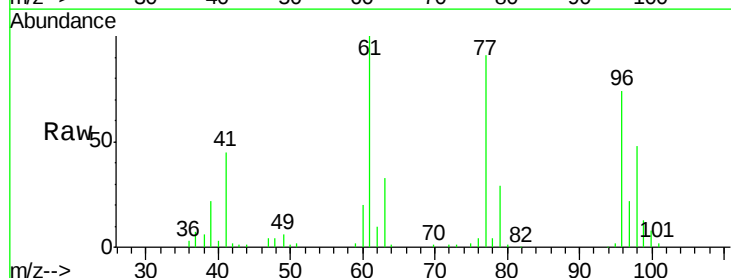
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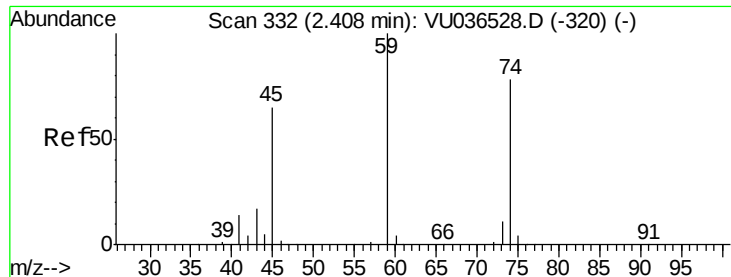
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#22
cis-1,2-Dichloroethene
Concen: 5.067 ug/l
RT: 4.71 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion: 96 Resp: 54955
Ion Ratio Lower Upper
96 100
61 138.3 0.0 342.0
98 65.3 32.0 96.0





#23
Diethyl Ether
Concen: 4.469 ug/l
RT: 2.41 min Scan# 332
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

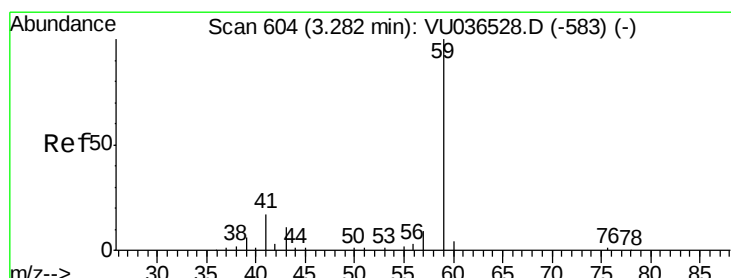
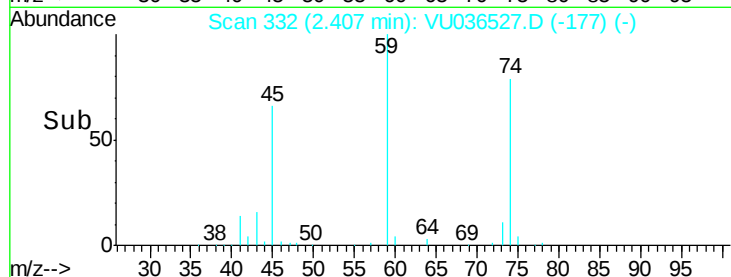
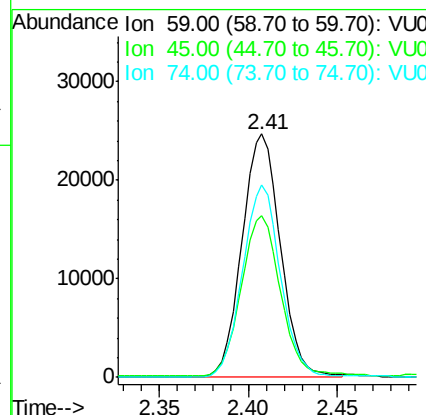
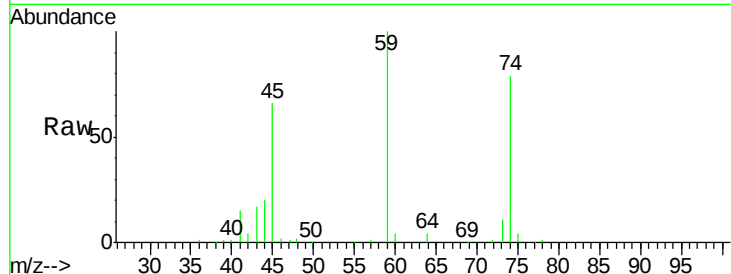
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	59	Resp:	37291
Ion	Ratio	Lower	Upper
59	100		
45	67.3	52.4	78.6
74	77.9	62.1	93.1

Manual Integrations
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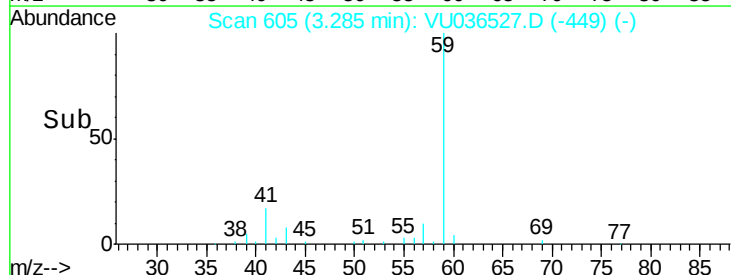
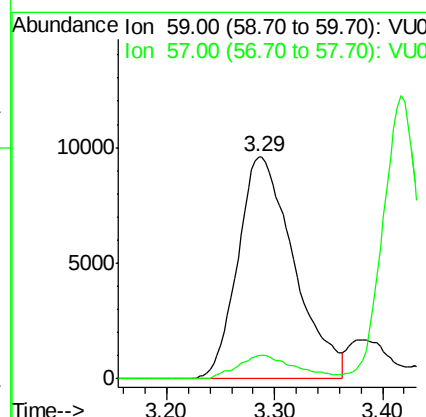
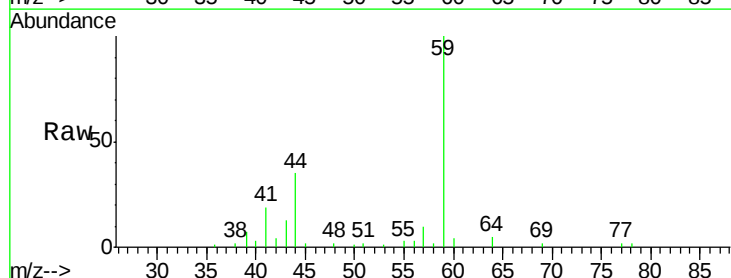
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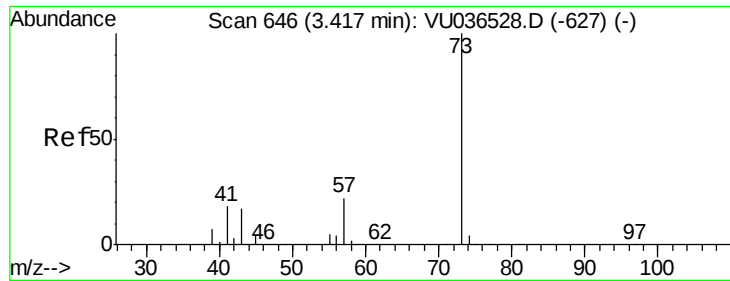
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#24
tert-Butyl Alcohol
Concen: 40.127 ug/l
RT: 3.29 min Scan# 605
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion:	59	Resp:	34646
Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.4	12.6





#25
Methvl tert-Butvl Ether
Concen: 4.369 ug/l
RT: 3.42 min Scan# 646
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

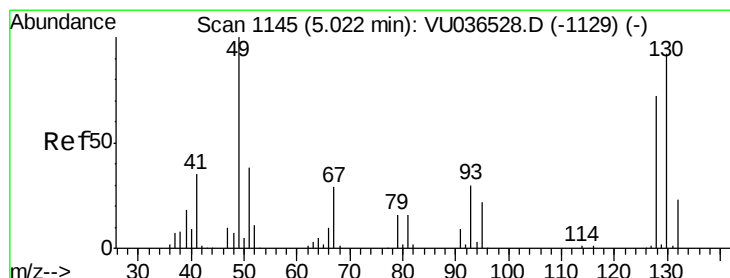
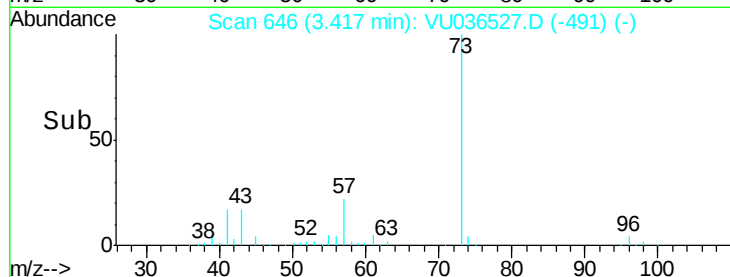
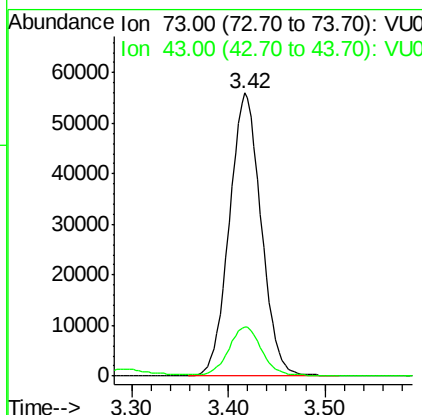
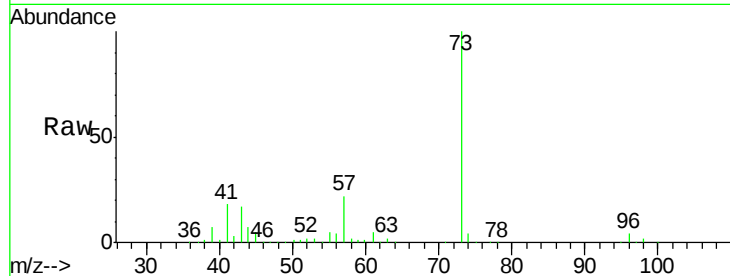
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 127933
Ion Ratio Lower Upper
73 100
43 17.7 14.5 21.7

Manual Integrations
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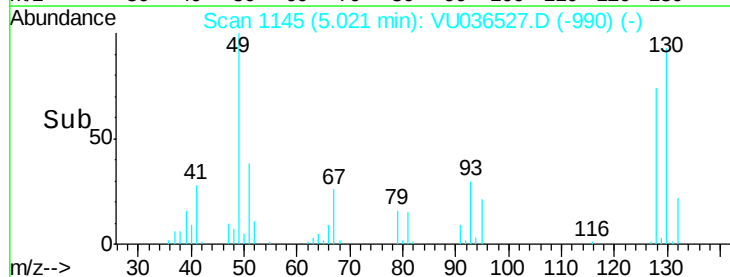
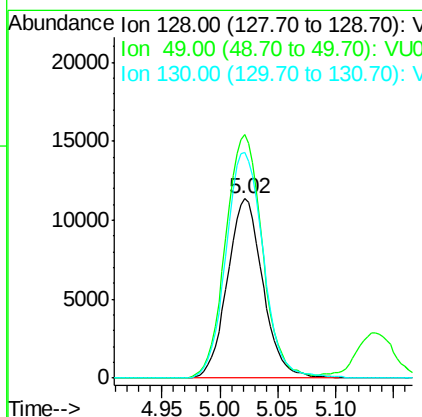
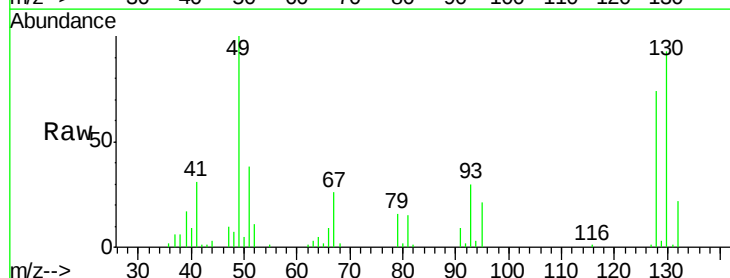
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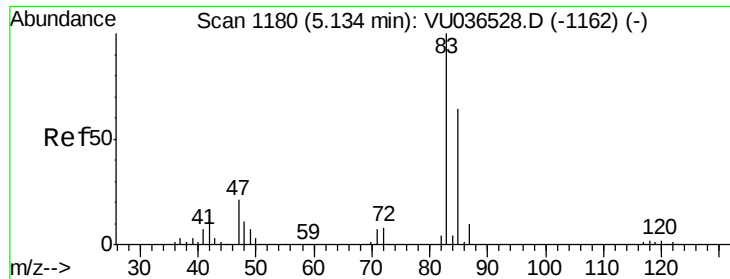
1/23/2020 3:21:34 PM



#26
Bromochloromethane
Concen: 5.549 ug/l
RT: 5.02 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion: 128 Resp: 24119
Ion Ratio Lower Upper
128 100
49 140.2 0.0 286.2
130 132.4 104.3 156.5





#27
Chloroform
Concen: 4.563 ug/l
RT: 5.13 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

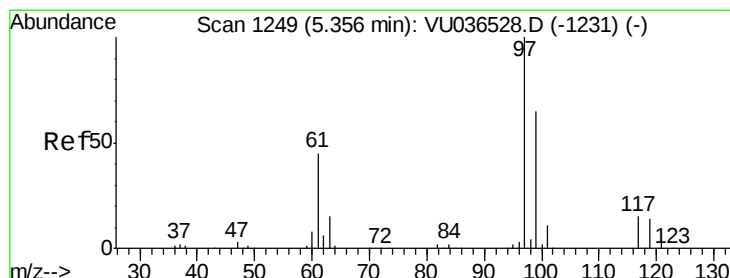
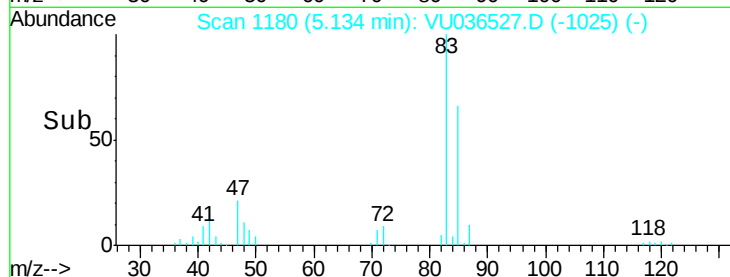
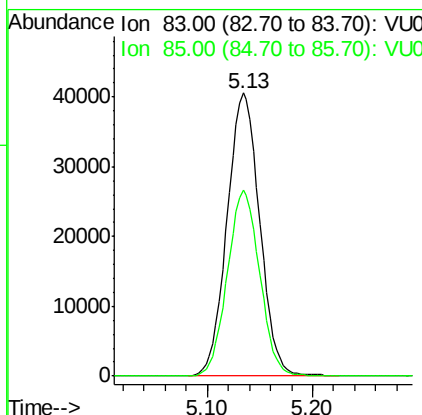
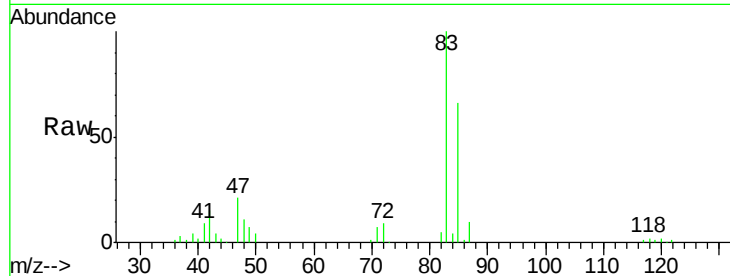
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	86917
Ion Ratio	100	Lower	Upper
85	65.6	0.0	129.0

Manual Integrations
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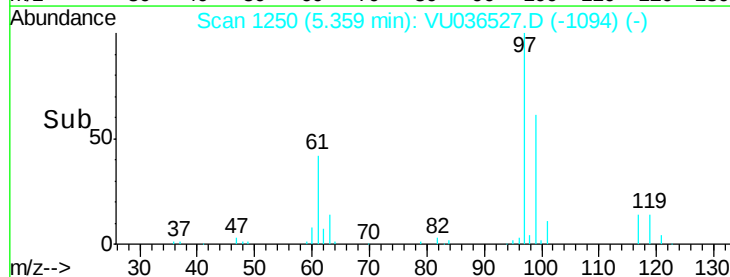
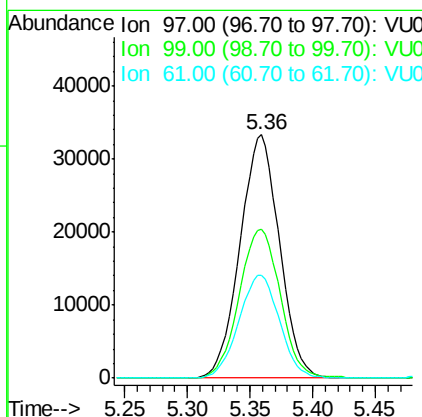
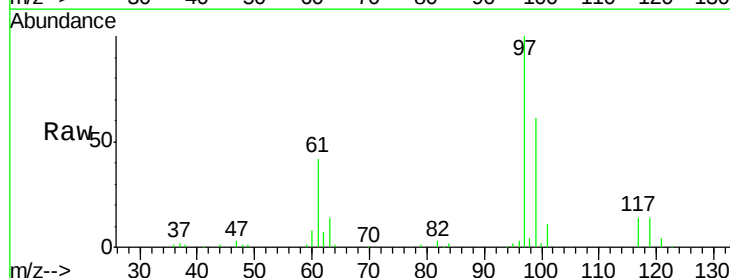
apatel

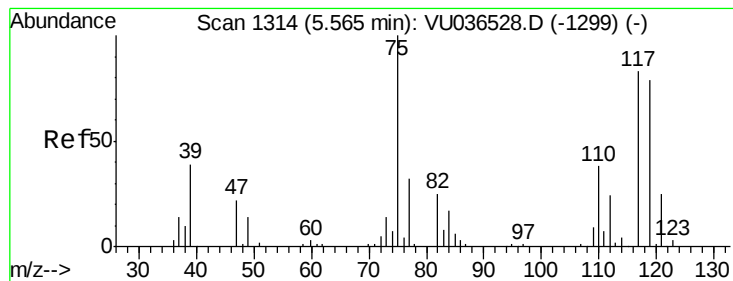
1/23/2020 3:21:34 PM



#28
1,1,1-Trichloroethane
Concen: 4.323 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	97	Resp	72900
Ion Ratio	100	Lower	Upper
99	63.7	32.1	96.3
61	43.6	22.7	68.0





#29

1,1-Dichloropropene

Concen: 4.616 ug/l

RT: 5.56 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 71119

Ion Ratio Lower Upper

75 100

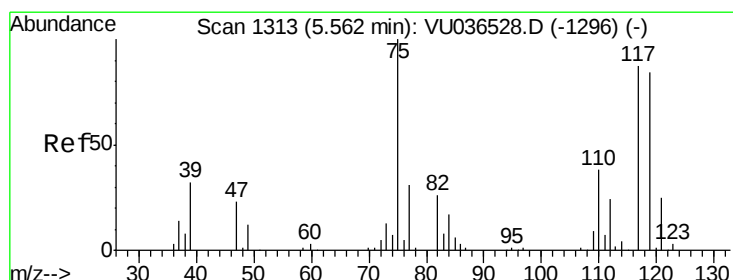
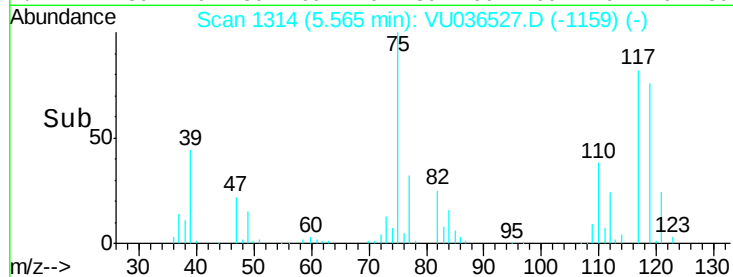
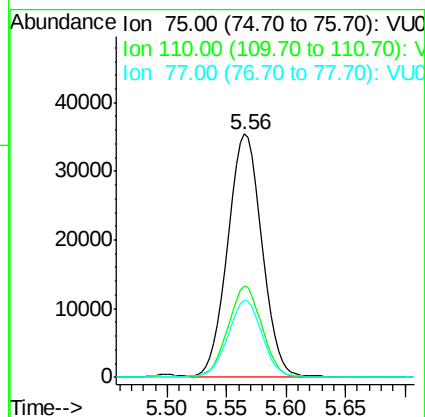
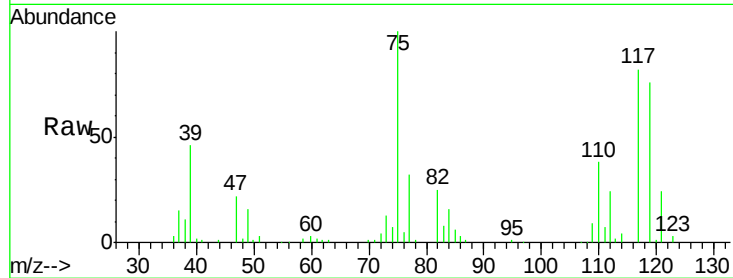
110 36.9 18.6 55.8

77 31.8 25.0 37.4

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 4.401 ug/l

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

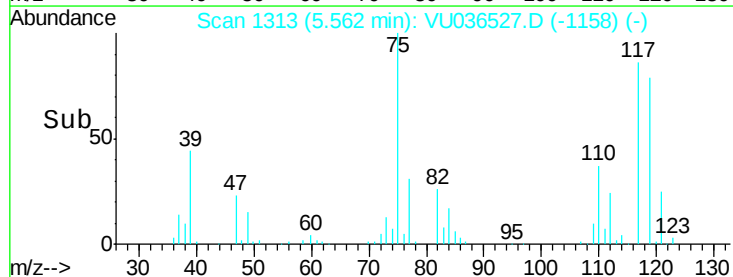
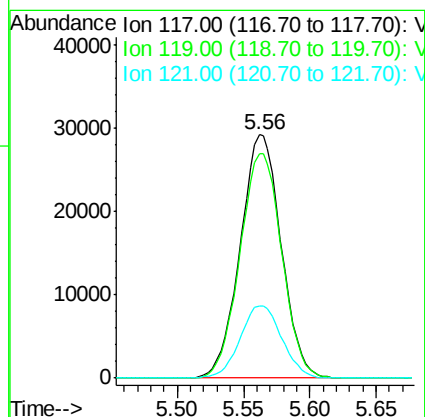
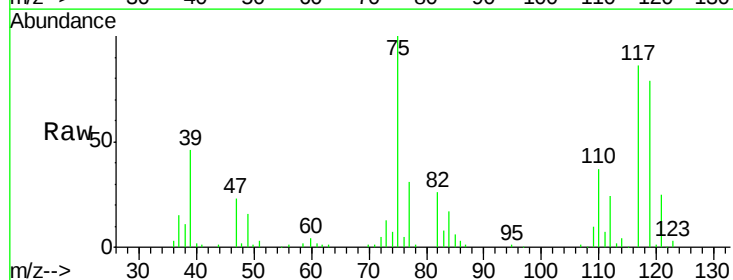
Tgt Ion: 117 Resp: 62418

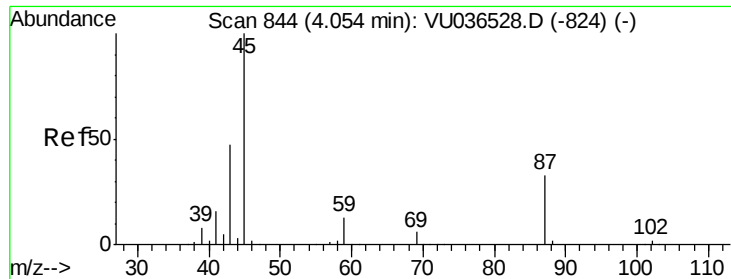
Ion Ratio Lower Upper

117 100

119 92.2 77.0 115.6

121 29.7 23.3 34.9





#31

Isopropyl Ether

Concen: 4.110 ug/l

RT: 4.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Tot Ion: 45 Resp: 132313

Ion Ratio Lower Upper

45 100

43 48.2 24.0 72.0

Instrument :

MSVOA_U

ClientSampleId :

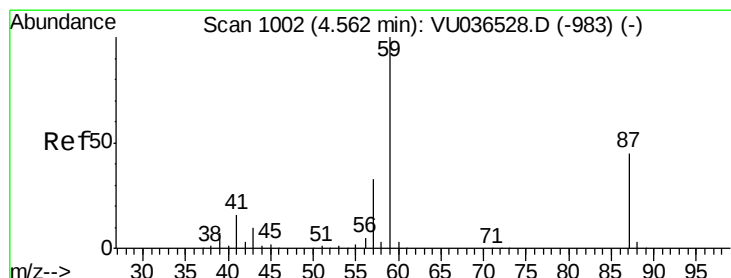
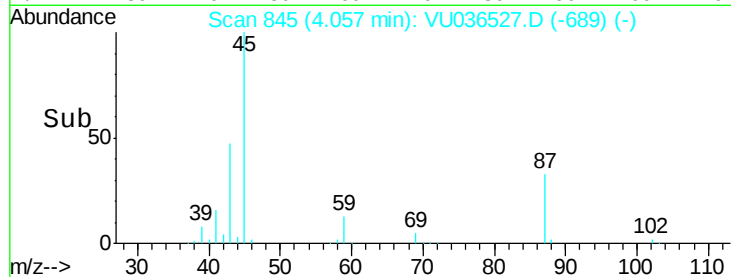
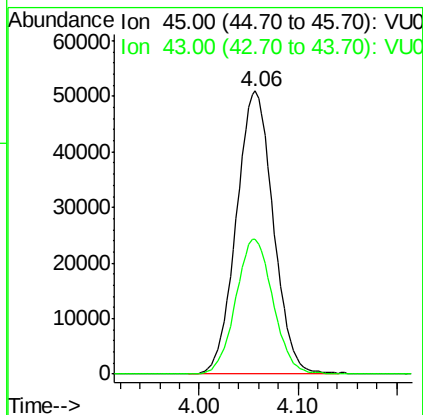
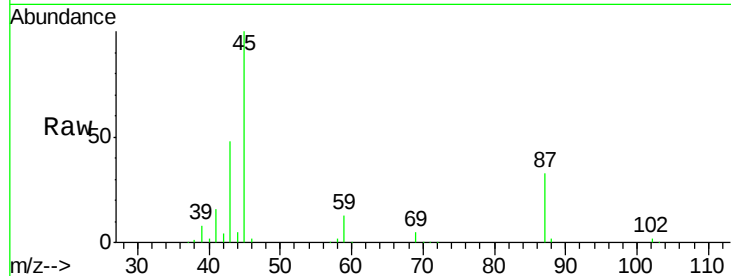
VSTDIC005

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 4.391 ug/l

RT: 4.56 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VU036527.D

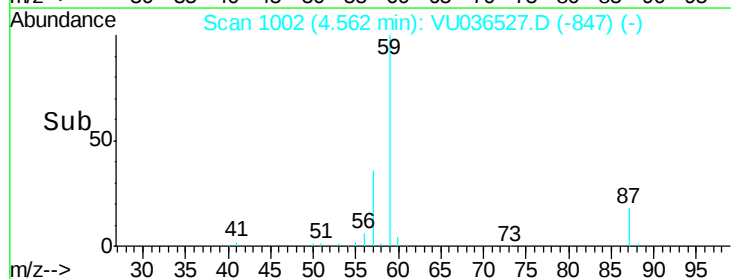
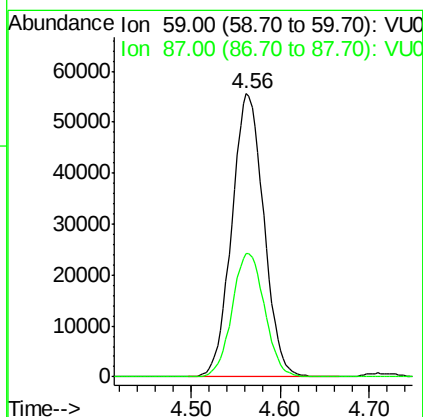
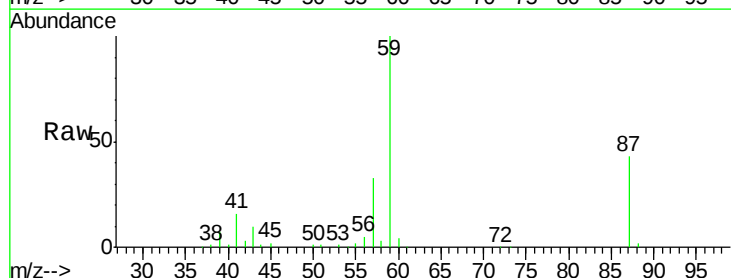
Acq: 22 Jan 2020 15:46

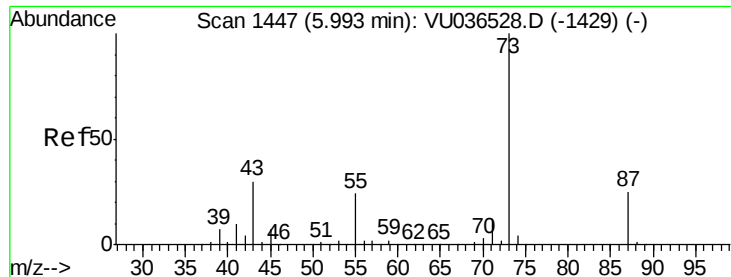
Tgt Ion: 59 Resp: 138266

Ion Ratio Lower Upper

59 100

87 44.4 35.1 52.7





#33
Tert-Butyl methyl ether
Concen: 4.452 ug/l
RT: 5.99 min Scan# 1447
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

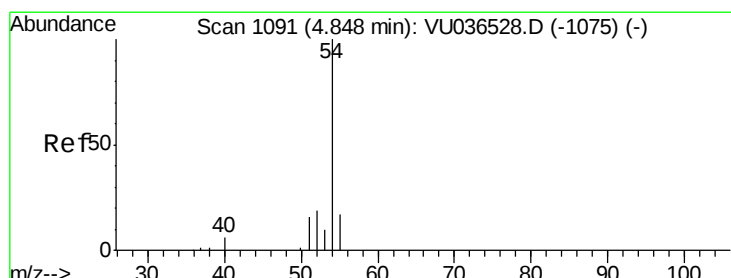
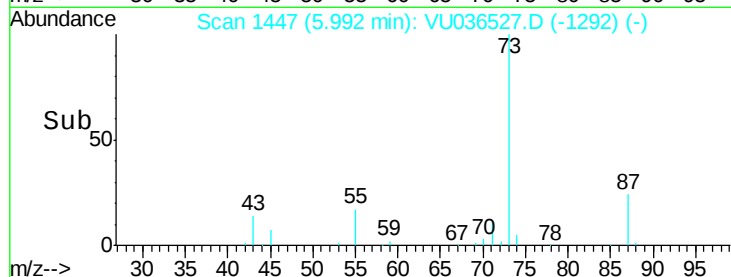
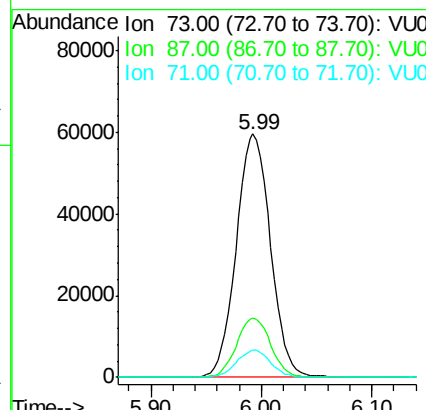
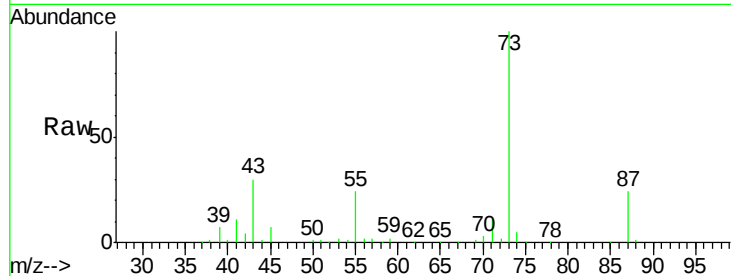
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	73	Resp:	127412
Ion	Ratio	Lower	Upper
73	100		
87	24.4	19.8	29.6
71	11.1	9.1	13.7

Manual Integrations
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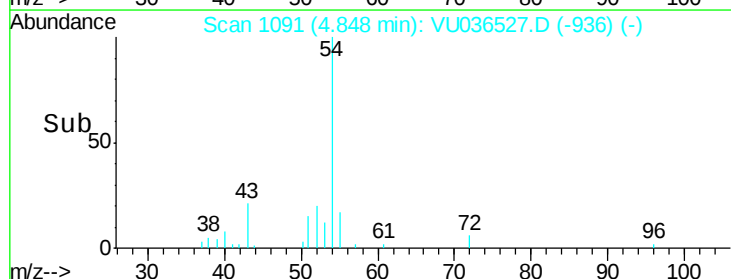
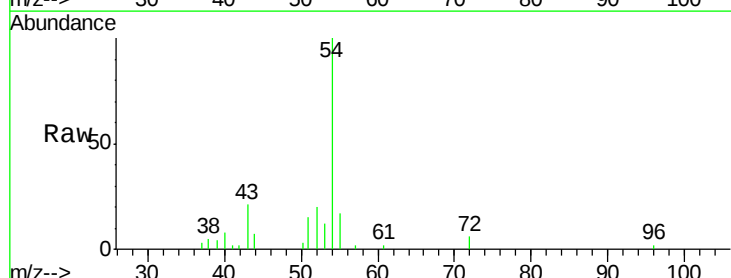
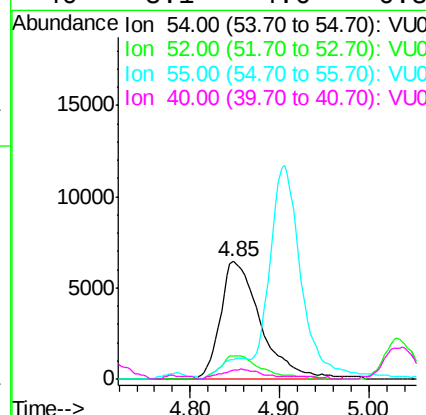
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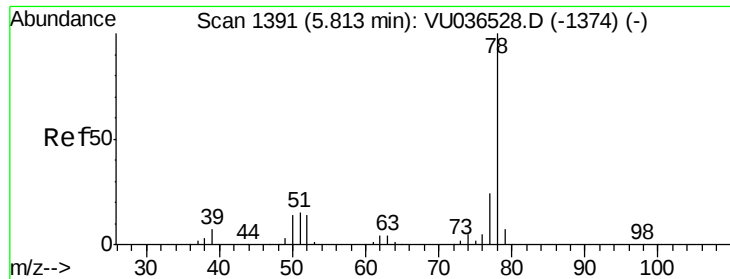
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#34
Propionitrile
Concen: 23.330 ug/l
RT: 4.85 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion:	54	Resp:	20181
Ion	Ratio	Lower	Upper
54	100		
52	20.0	15.2	22.8
55	12.8	9.5	14.3
40	8.1	4.6	6.8





#35
Benzene
Concen: 4.743 ug/l
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

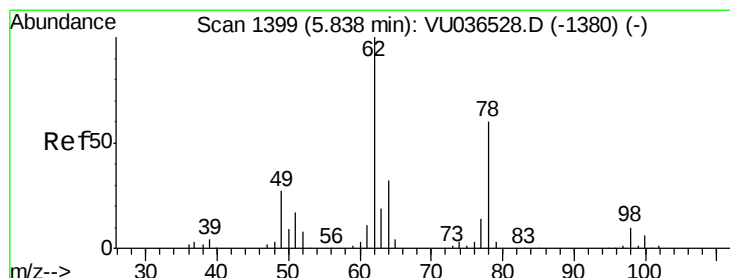
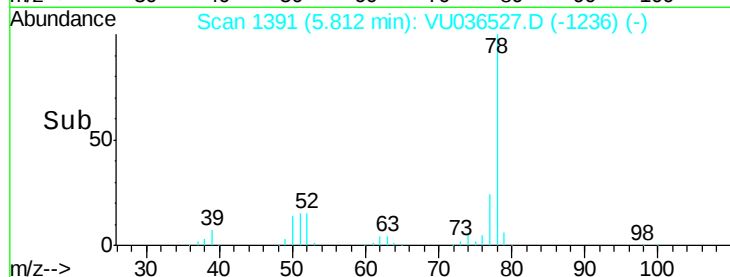
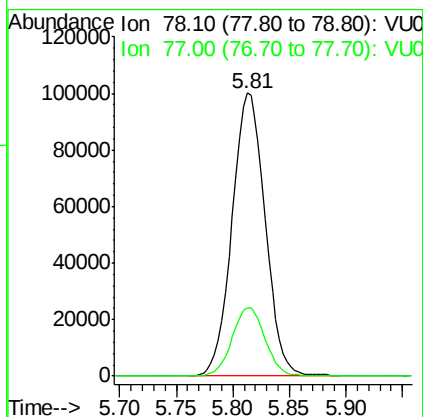
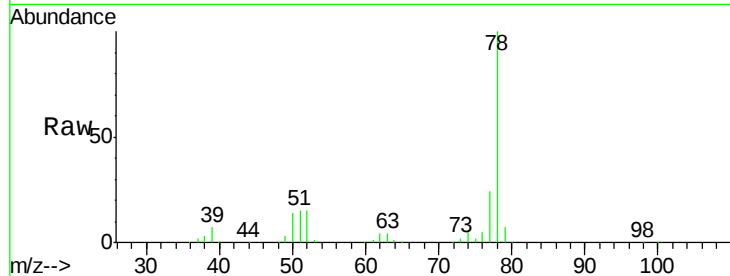
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.4	29.0

Manual Integrations
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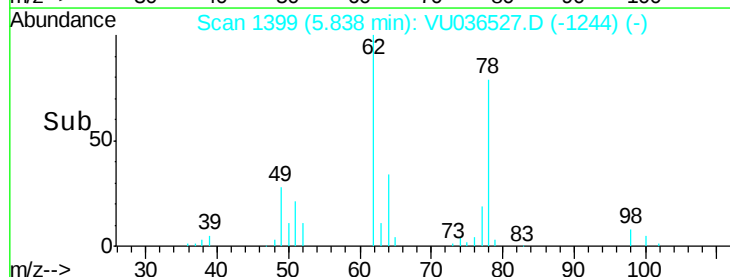
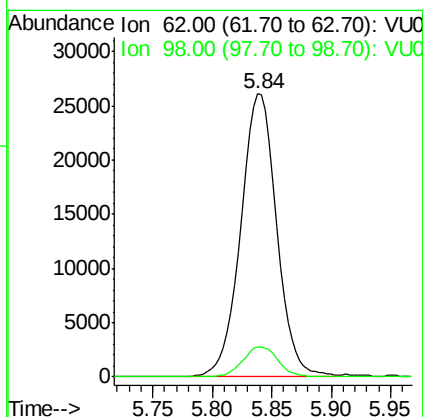
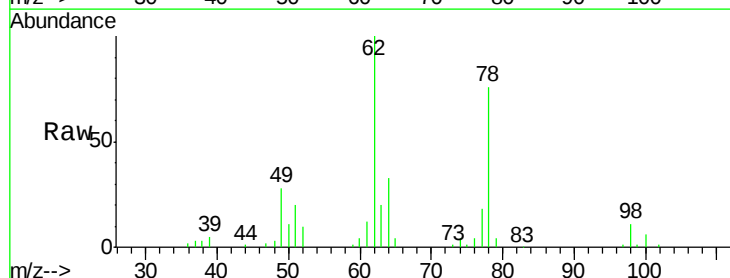
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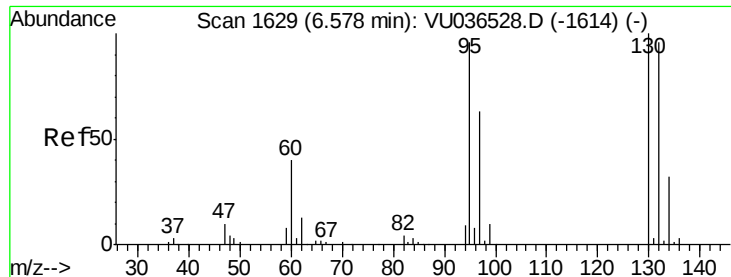
1/23/2020 3:21:34 PM



#36
1,2-Dichloroethane
Concen: 3.969 ug/l
RT: 5.84 min Scan# 1399
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	7.8	11.8





#37
 Trichloroethene
 Concen: 5.434 ug/l
 RT: 6.58 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

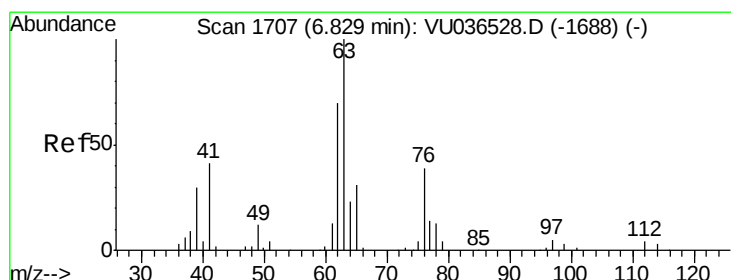
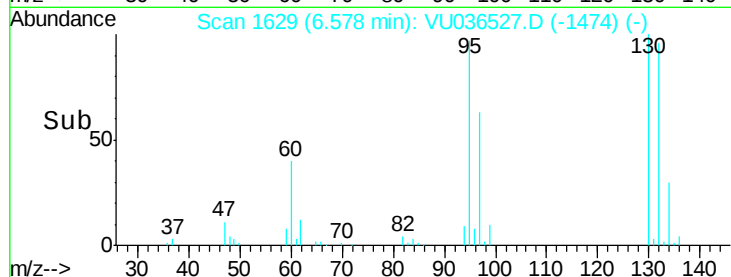
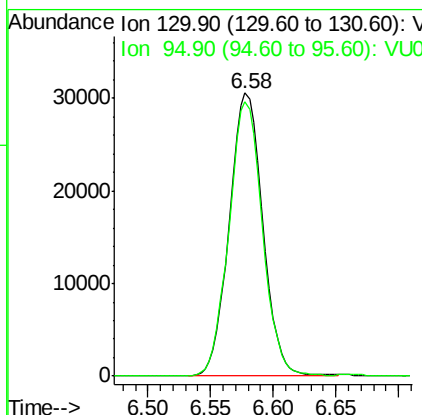
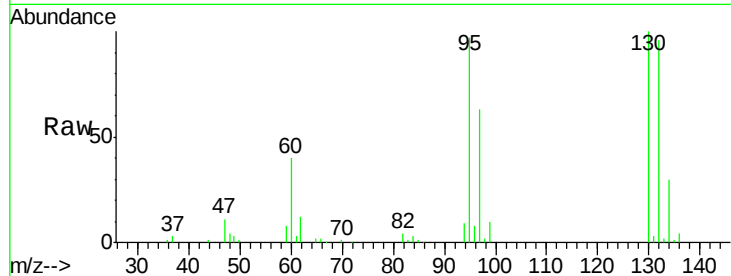
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 56850
 Ion Ratio Lower Upper
 130 100
 95 97.0 77.0 115.4

Manual Integrations
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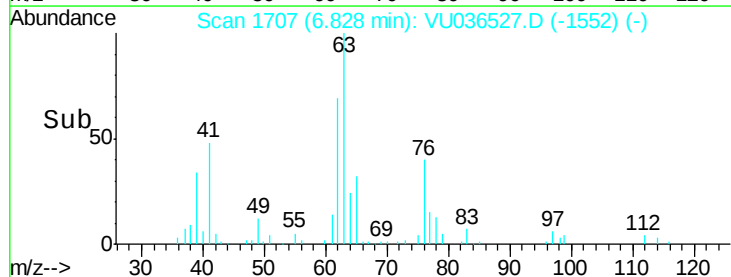
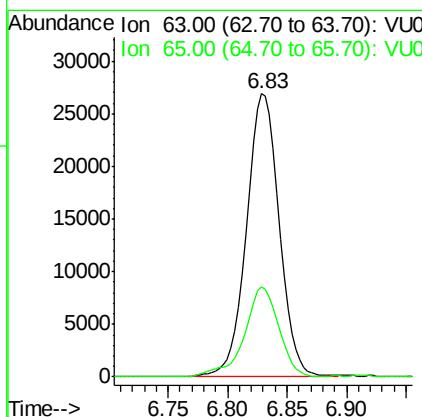
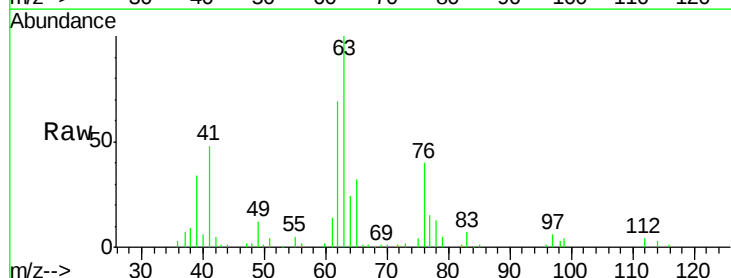
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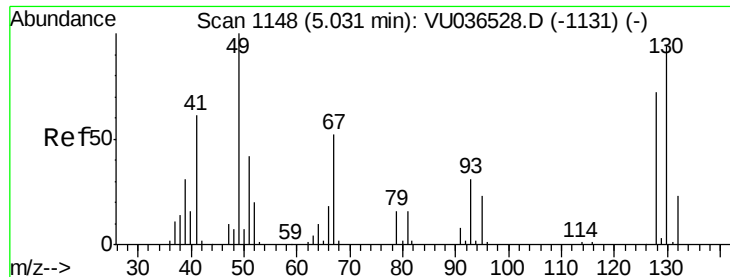
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#38
 1,2-Dichloropropane
 Concen: 4.541 ug/l
 RT: 6.83 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion: 63 Resp: 51374
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.7 37.1





#39
Methacrylonitrile
Concen: 3.897 ug/l
RT: 5.03 min Scan# 1149
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

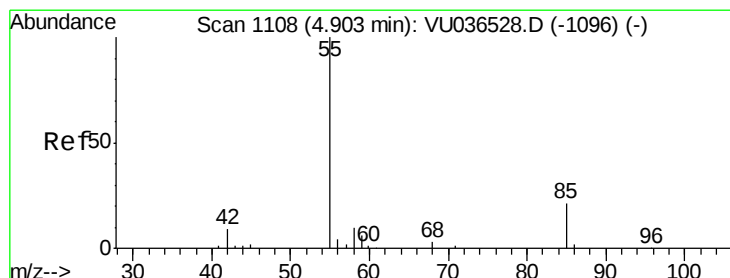
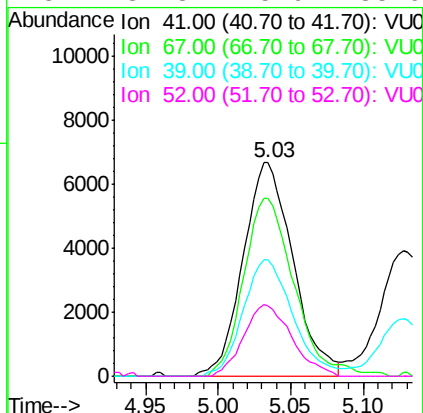
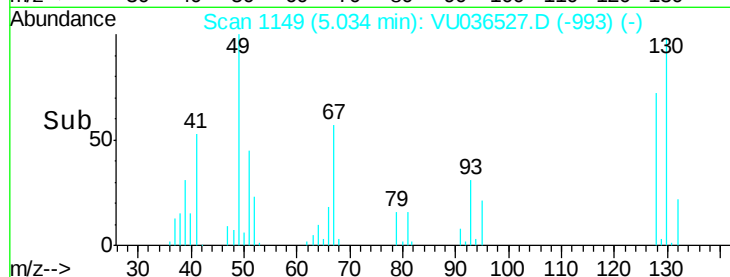
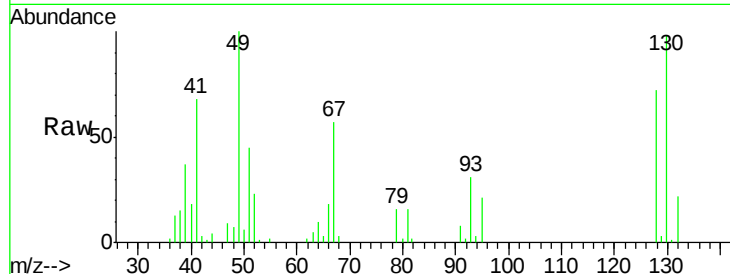
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	15972
Ion	Ratio	Lower	Upper
41	100		
67	84.3	69.6	104.4
39	54.3	41.6	62.4
52	32.3	25.9	38.9

Manual Integrations
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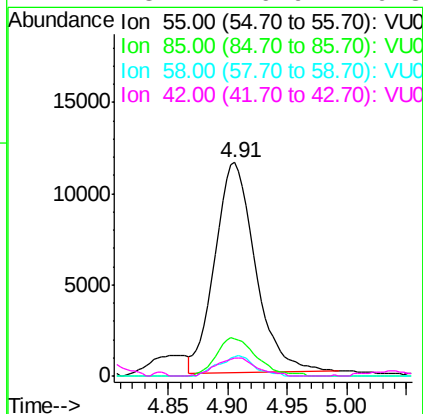
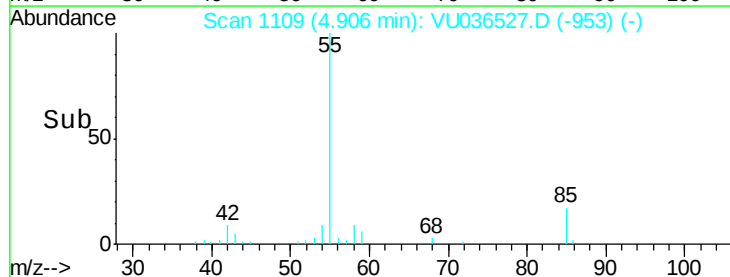
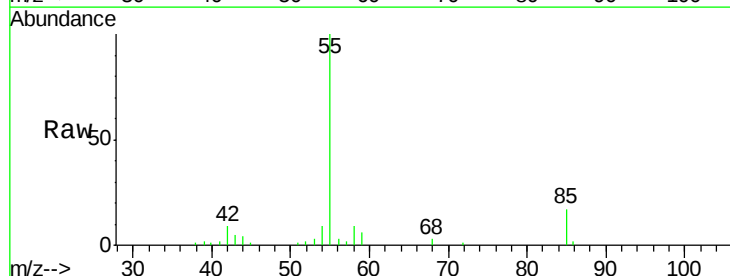
apatel

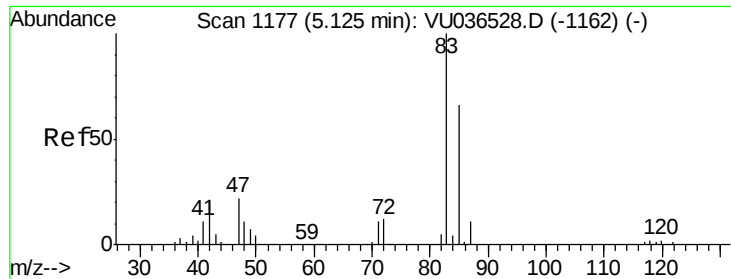
1/23/2020 3:21:34 PM



#40
Methyl acrylate
Concen: 4.495 ug/l
RT: 4.91 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion:	55	Resp:	27334
Ion	Ratio	Lower	Upper
55	100		
85	17.8	14.7	22.1
58	8.5	7.1	10.7
42	8.4	6.9	10.3





#41
Tetrahydrofuran
Concen: 7.785 ug/l
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

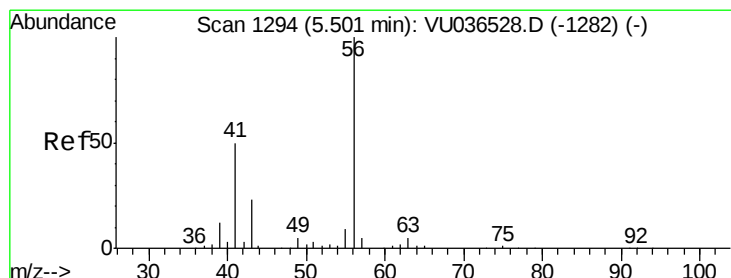
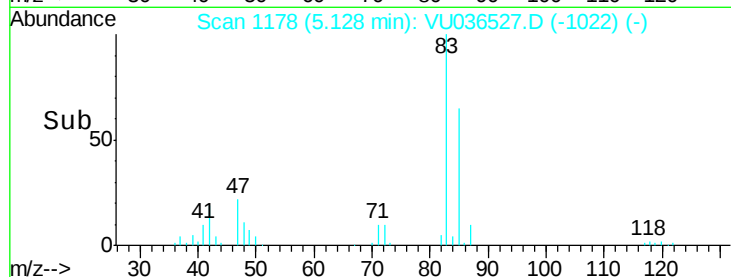
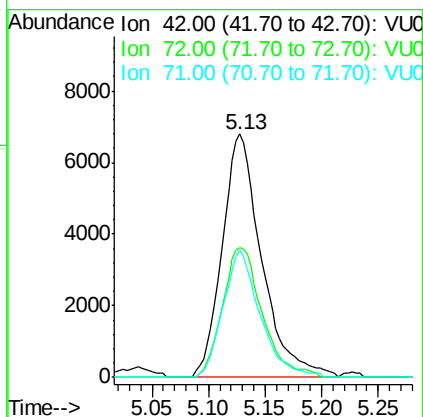
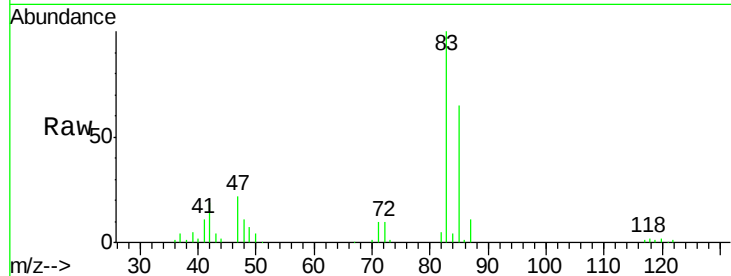
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.4	42.5	63.7
71	49.2	37.3	55.9

Manual Integrations
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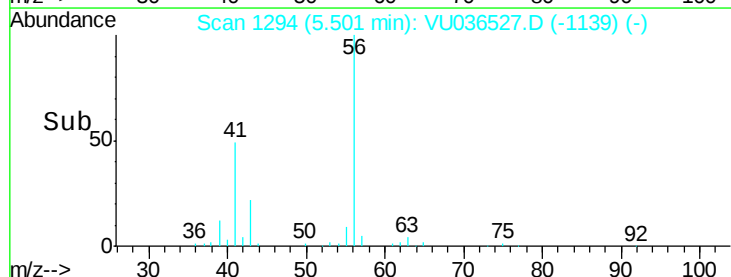
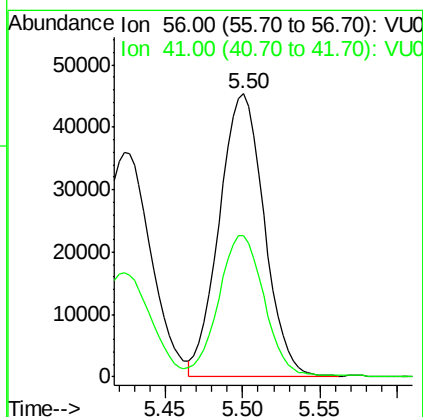
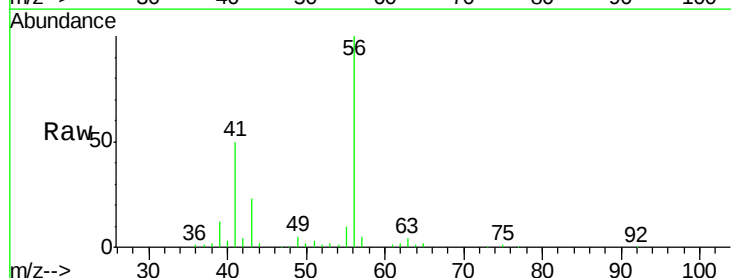
apatel

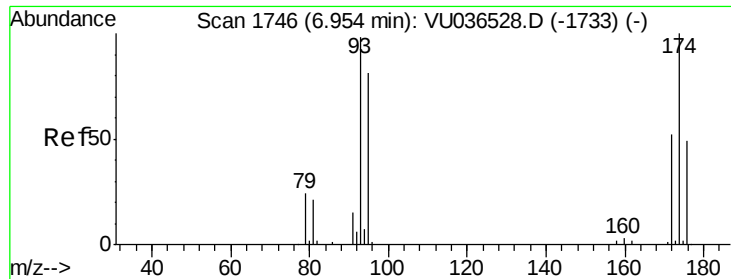
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#42
1-Chlorobutane
Concen: 4.078 ug/l
RT: 5.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
56	100		
41	49.9	24.8	74.3





#43
Dibromomethane
Concen: 4.705 ug/l
RT: 6.95 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

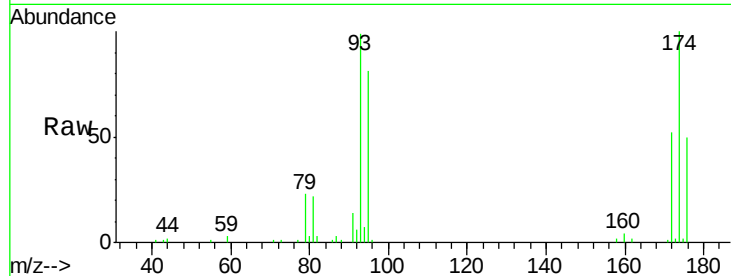
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
93	100		
95	85.3	67.9	101.9
174	105.0	83.4	125.0

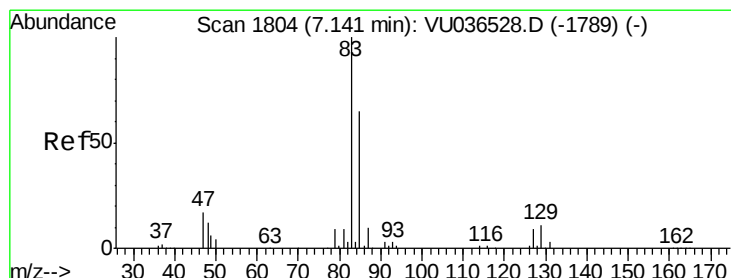
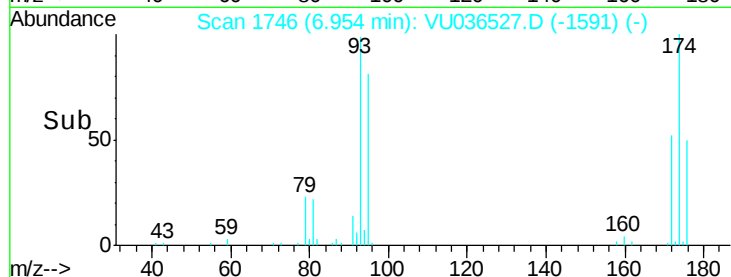
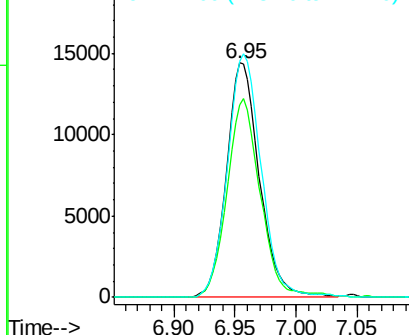
Manual Integrations
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apatel

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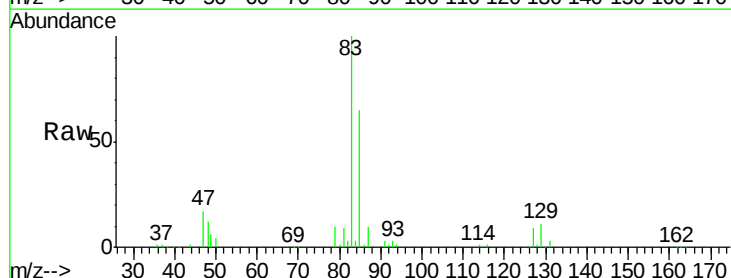


Abundance Ion 93.00 (92.70 to 93.70): VU0
Ion 95.00 (94.70 to 95.70): VU0
Ion 174.00 (173.70 to 174.70): V

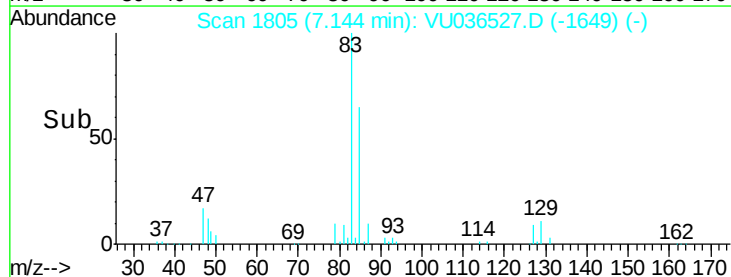
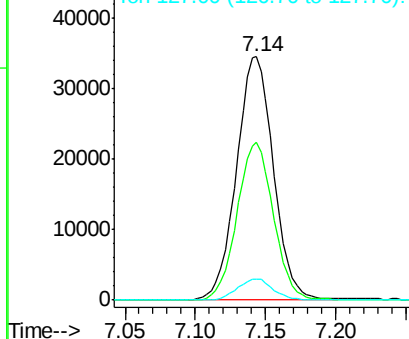


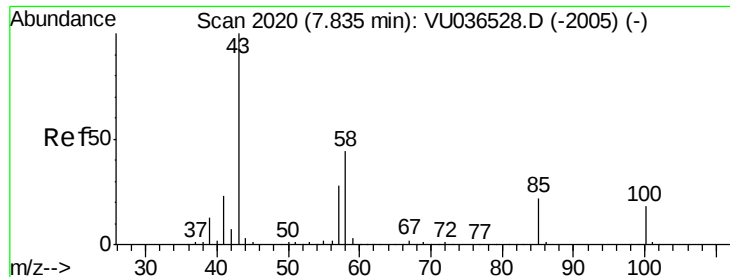
#44
Bromodichloromethane
Concen: 4.231 ug/l
RT: 7.14 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.8	77.6
127	8.8	6.8	10.2



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





#45
4-Methyl-2-Pentanone
Concen: 18.817 ug/l
RT: 7.83 min Scan# 2020
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

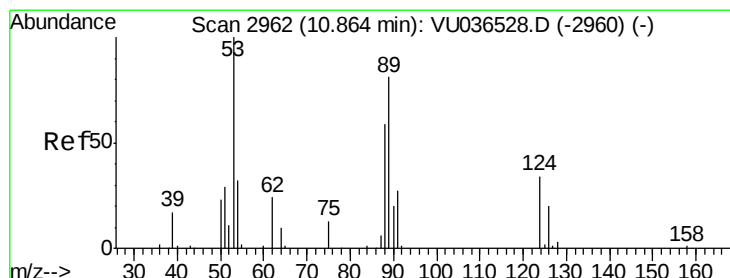
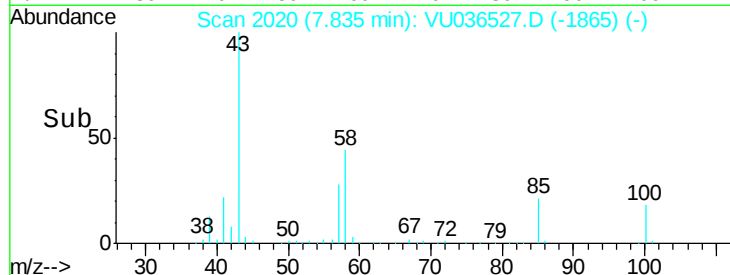
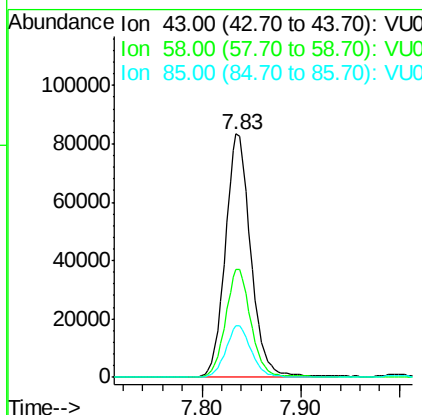
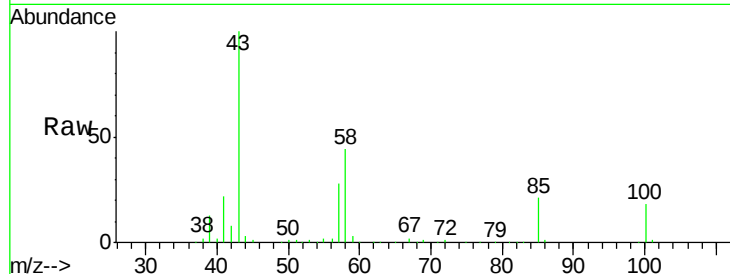
Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.4	22.1	66.1
85	21.3	17.4	26.0

Manual Integrations
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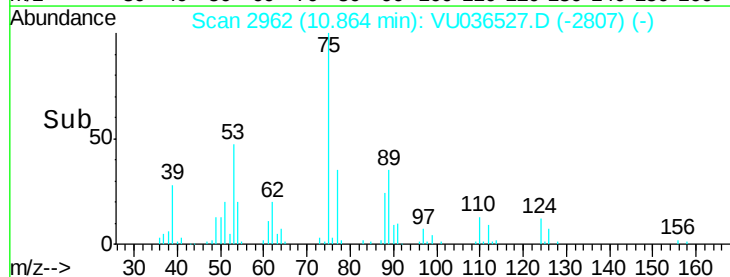
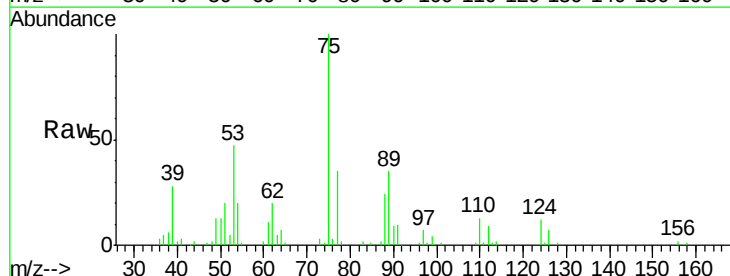
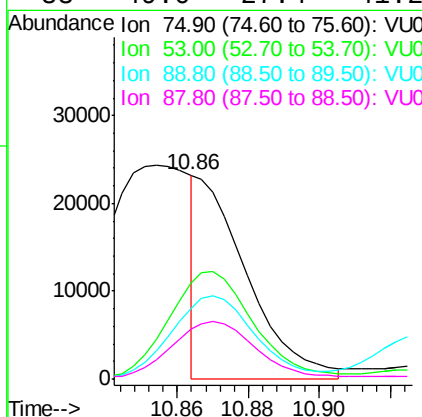
apatel

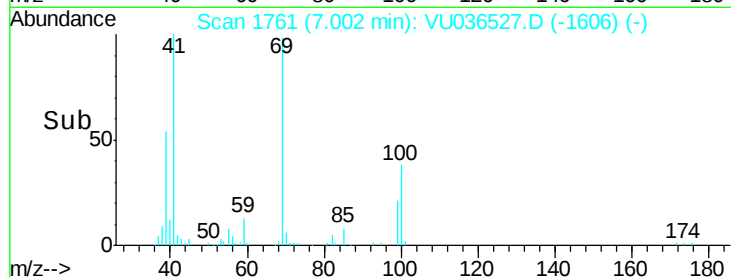
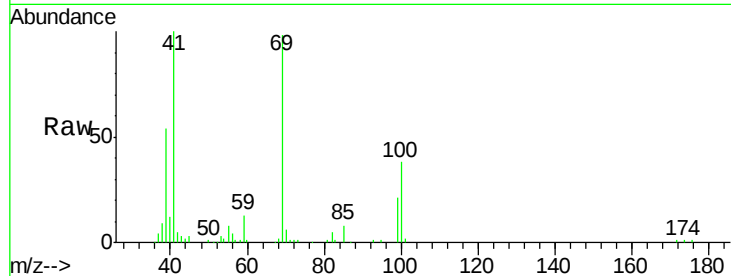
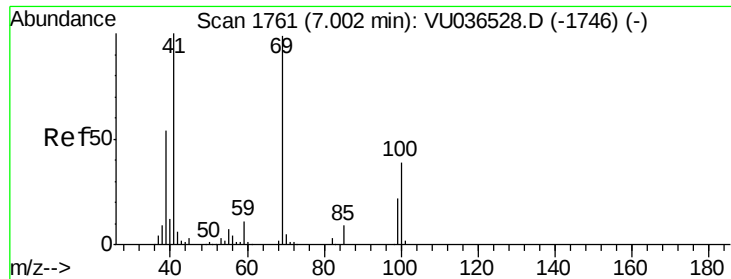
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#46
t-1,4-Dichloro-2-butene
Concen: 6.959 ug/l m
RT: 10.86 min Scan# 2962
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
53	90.7	52.2	78.2#
89	68.8	39.8	59.6#
88	49.0	27.4	41.2#





#47
Methyl methacrylate
Concen: 9.476 ug/l
RT: 7.00 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

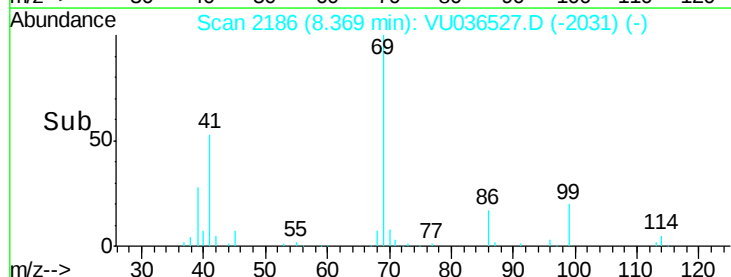
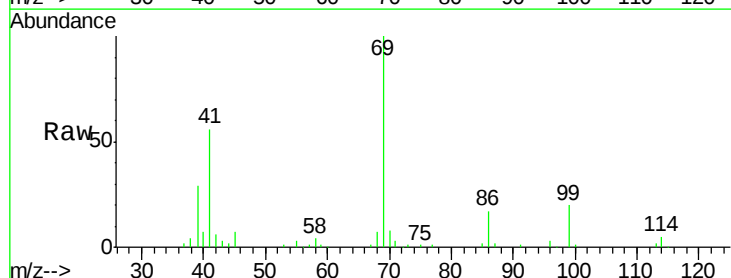
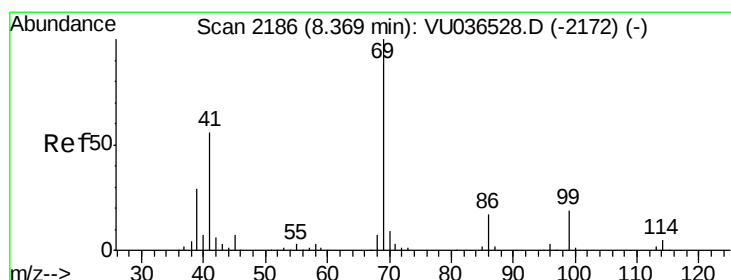
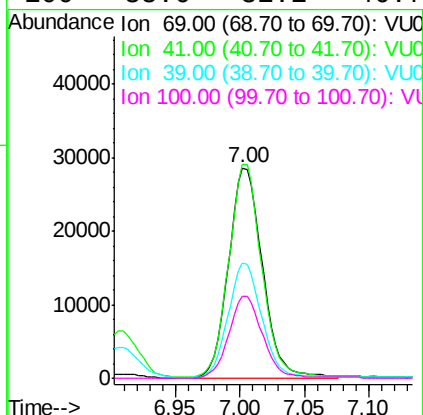
Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	98.2	0.0	200.8		
39	54.7	43.5	65.3		
100	38.6	31.1	46.7		

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

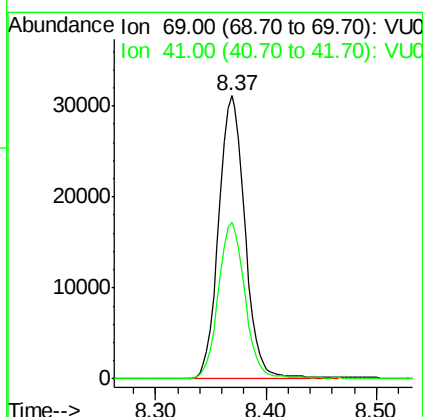
apatel

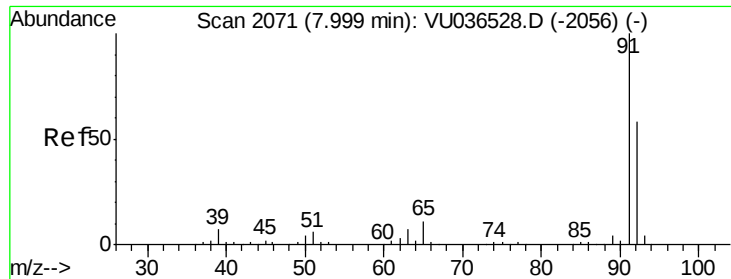
1/23/2020 3:21:34 PM



#48
Ethyl methacrylate
Concen: 4.704 ug/l
RT: 8.37 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	55.8	27.9	83.6		





#49

Toluene

Concen: 4.901 ug/l

RT: 8.00 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 130966

Ion Ratio Lower Upper

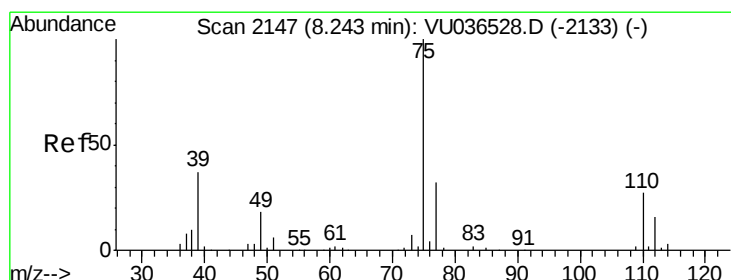
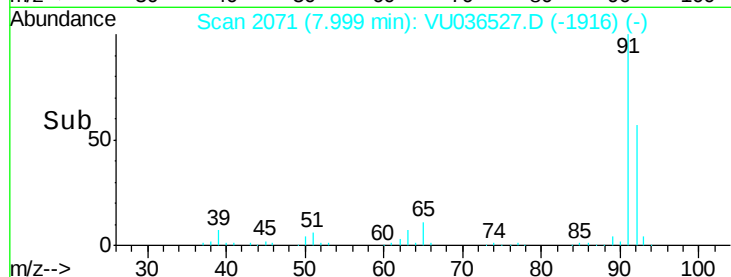
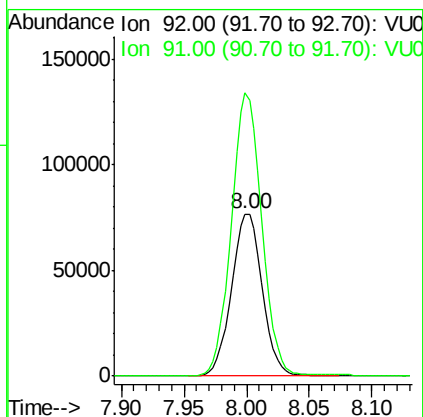
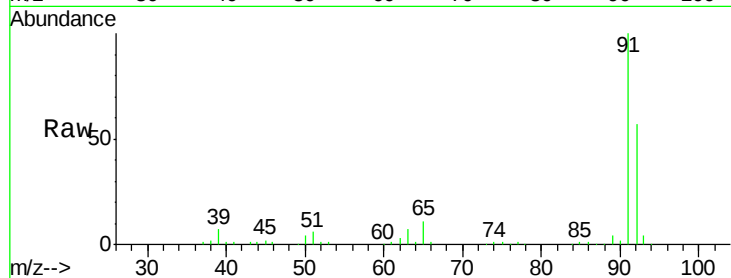
92 100

91 172.8 139.1 208.7

Manual Integrations
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#50

t-1,3-Dichloropropene

Concen: 4.426 ug/l

RT: 8.24 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VU036527.D

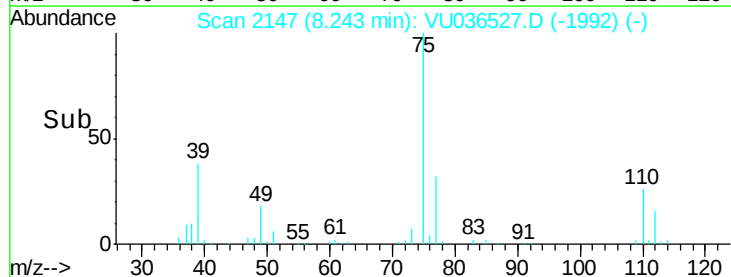
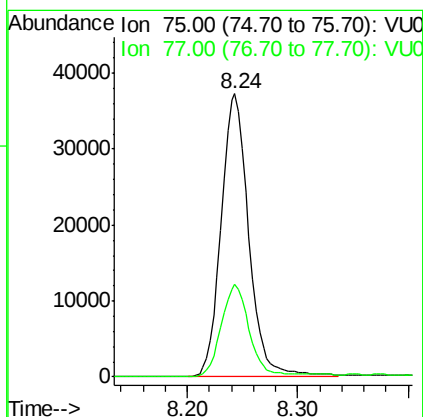
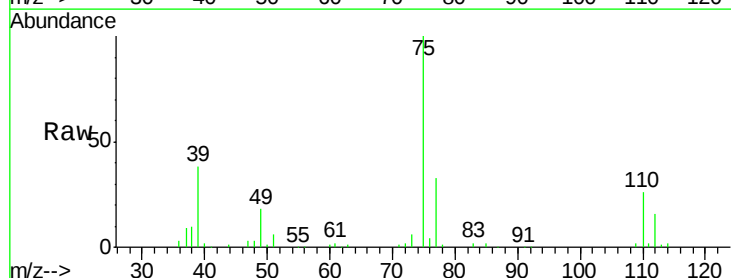
Acq: 22 Jan 2020 15:46

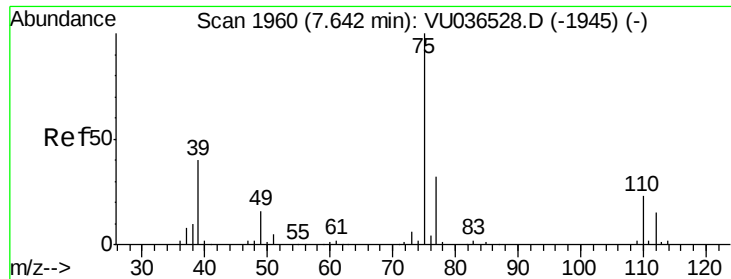
Tgt Ion: 75 Resp: 64968

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.2





#51
 cis-1,3-Dichloropropene
 Concen: 4.561 ug/l
 RT: 7.64 min Scan# 1960
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

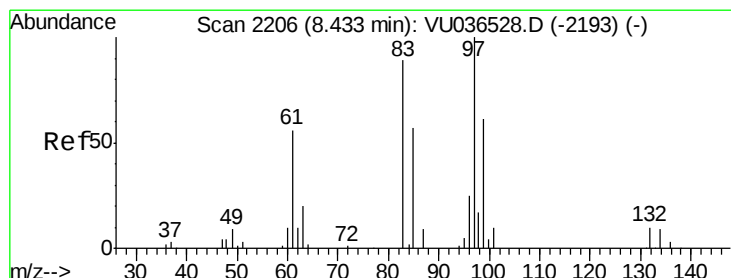
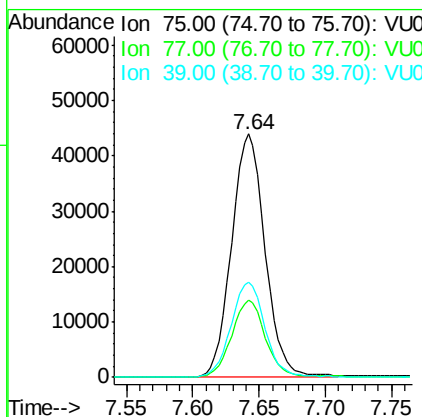
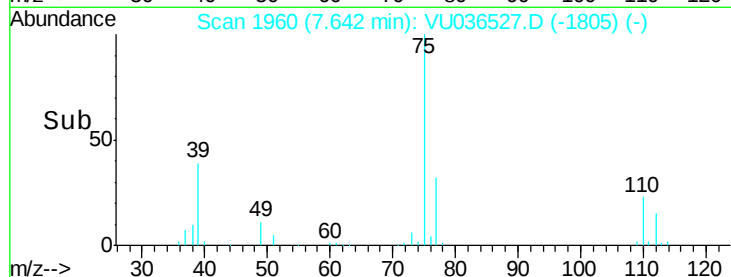
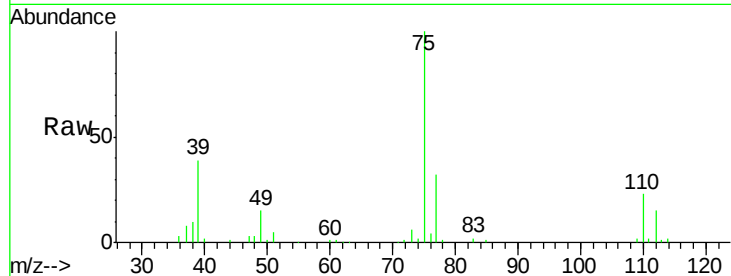
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	75	Resp:	77371
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9
39	39.2	31.8	47.6

Manual Integrations
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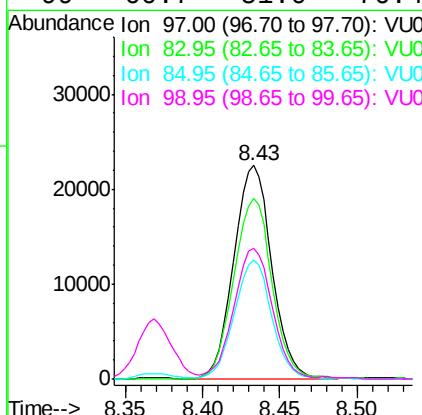
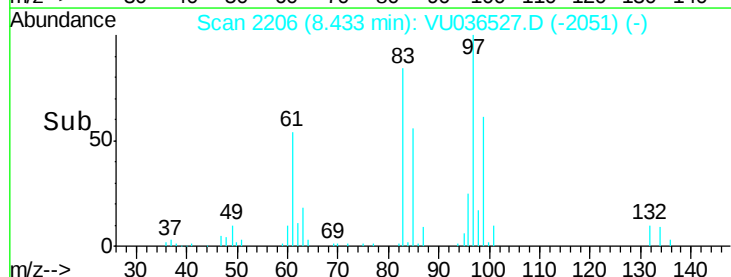
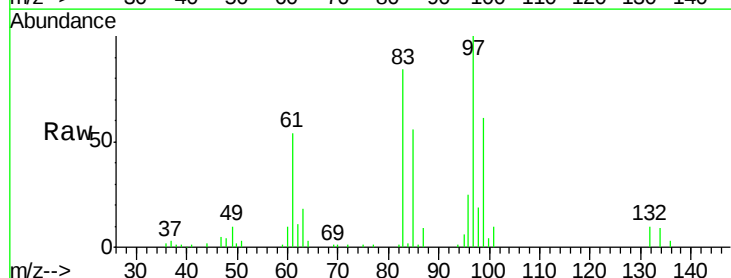
apatel

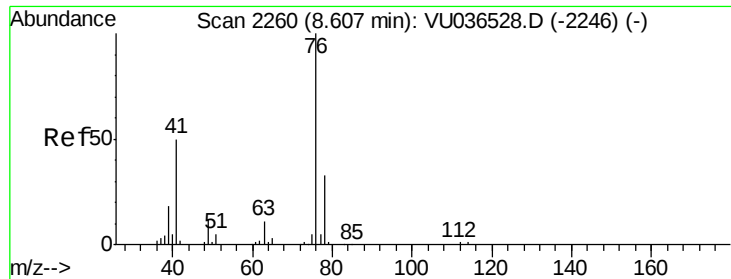
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#52
 1,1,2-Trichloroethane
 Concen: 4.996 ug/l
 RT: 8.43 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion:	97	Resp:	38493
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.9	106.3
85	55.0	45.6	68.4
99	60.7	51.0	76.4





#53

1,3-Dichloropropane

Concen: 4.595 ug/l

RT: 8.61 min Scan# 2260

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 66080

Ion Ratio Lower Upper

76 100

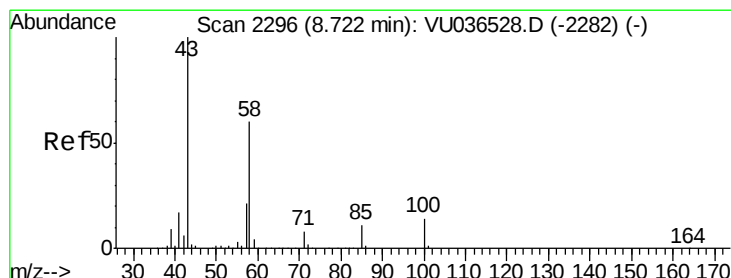
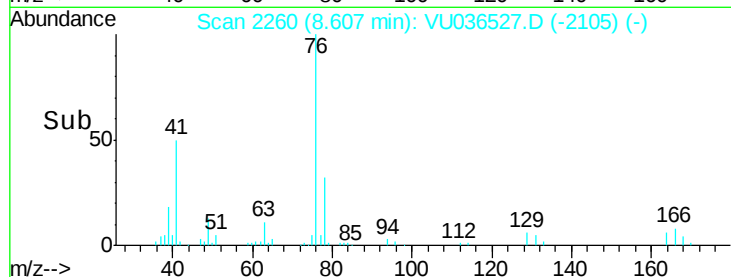
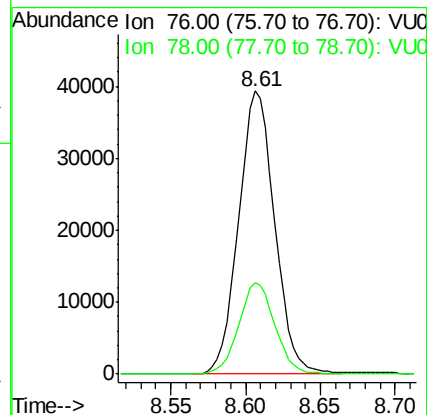
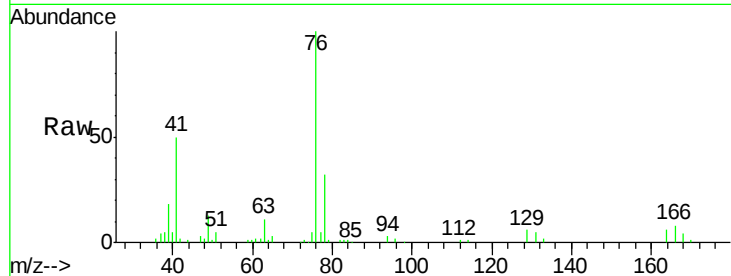
78 32.3 25.4 38.2

Manual Integrations

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#54

2-Hexanone

Concen: 19.468 ug/l

RT: 8.73 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

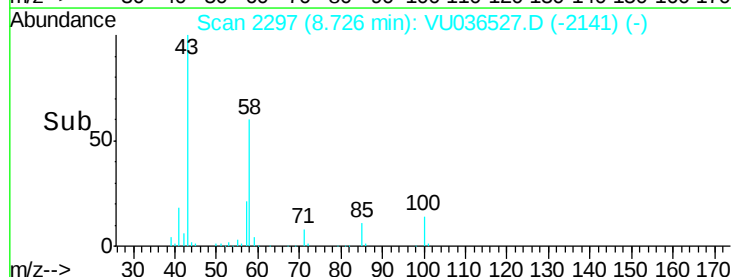
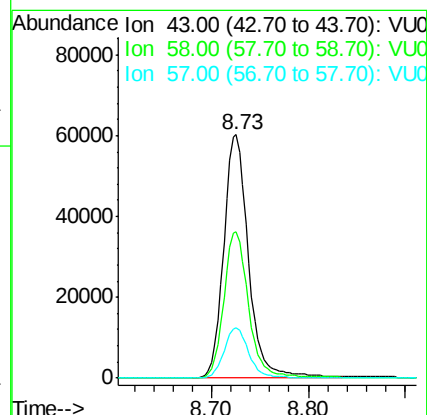
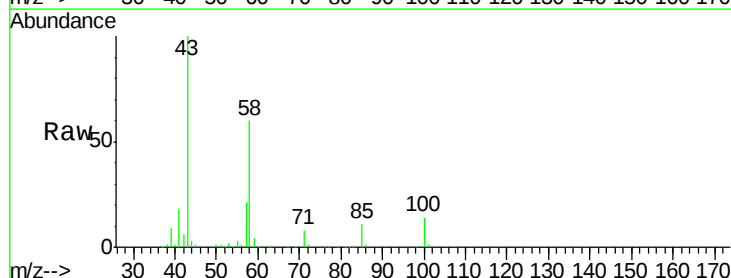
Tgt Ion: 43 Resp: 107710

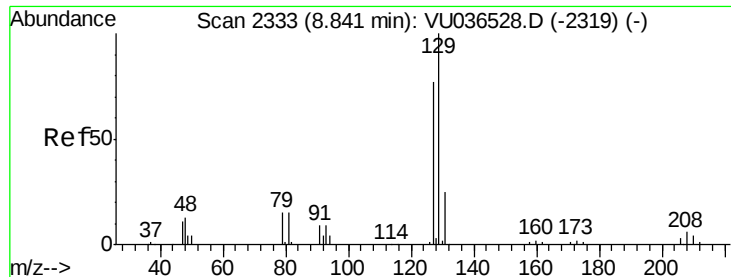
Ion Ratio Lower Upper

43 100

58 59.5 40.6 80.6

57 20.7 1.2 41.2





#55
 Dibromochloromethane
 Concen: 4.901 ug/l
 RT: 8.84 min Scan# 2333
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

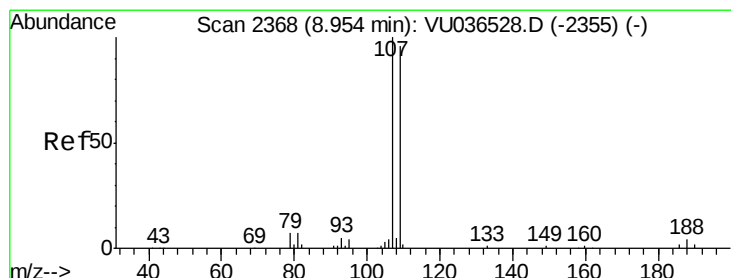
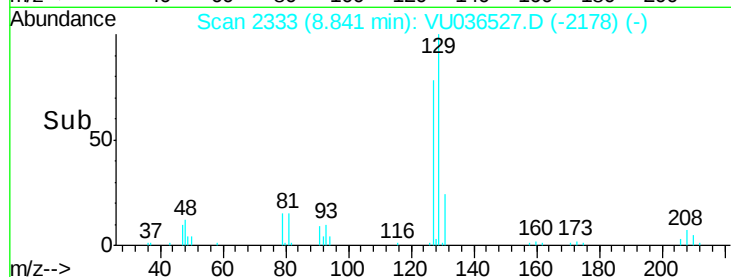
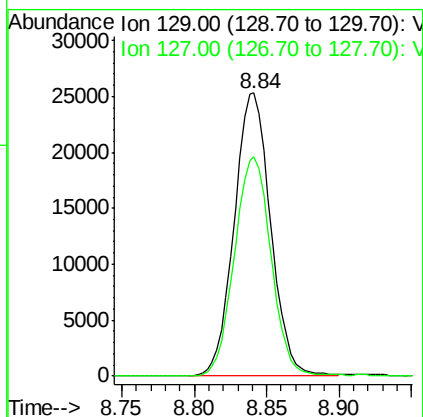
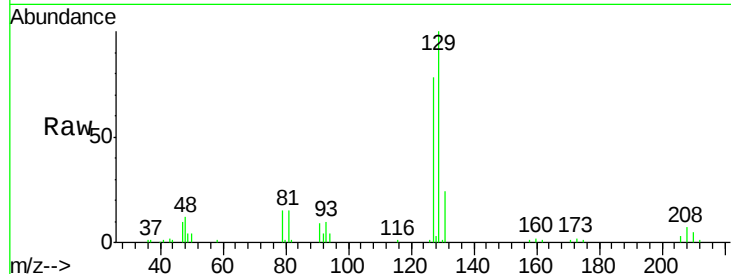
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
129	100			
127	77.8	62.6	94.0	

Manual Integrations
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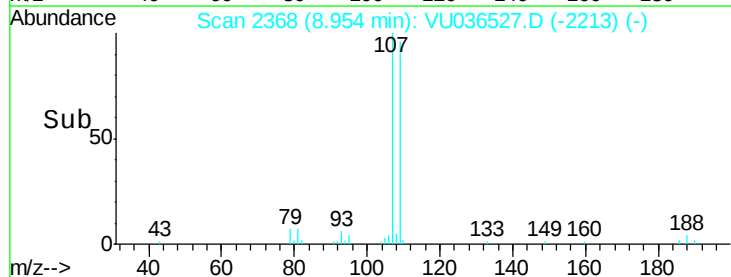
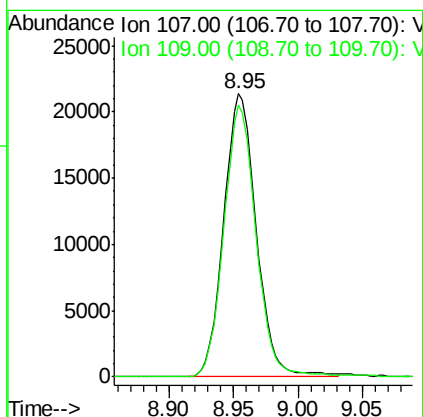
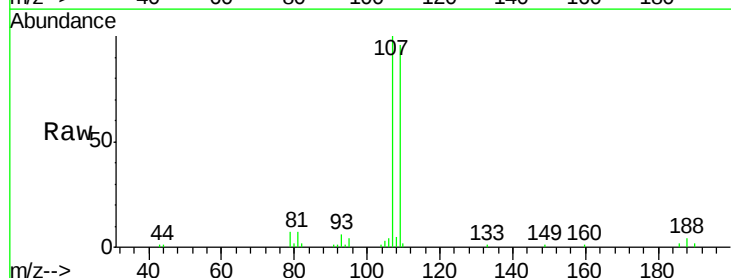
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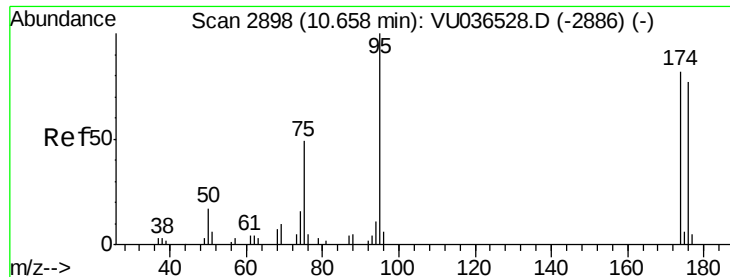
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#56
 1,2-Dibromoethane
 Concen: 4.936 ug/l
 RT: 8.95 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
109	95.2	0.0	190.8	





#57
4-Bromofluorobenzene
Concen: 0.923 ug/l
RT: 10.66 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

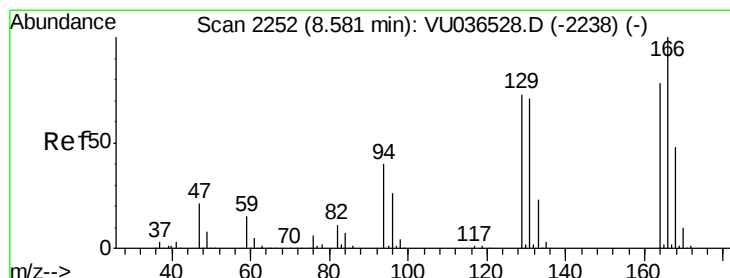
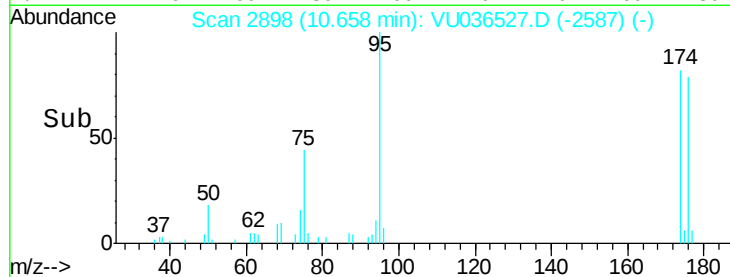
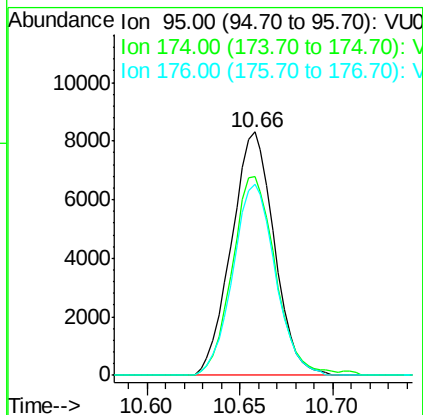
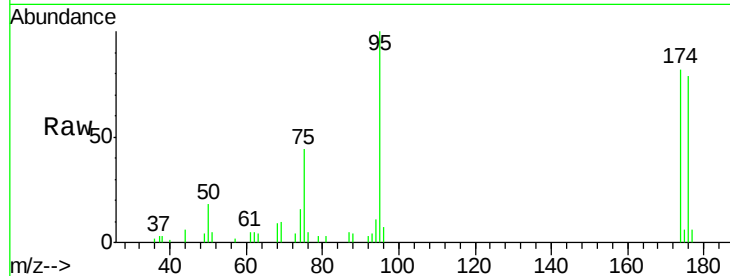
Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
95	100		
174	83.2	64.7	97.1
176	77.9	60.6	91.0

Manual Integrations
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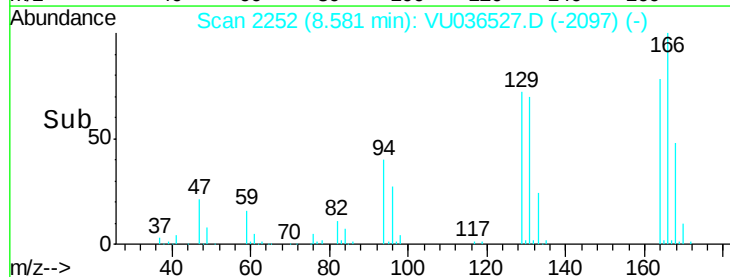
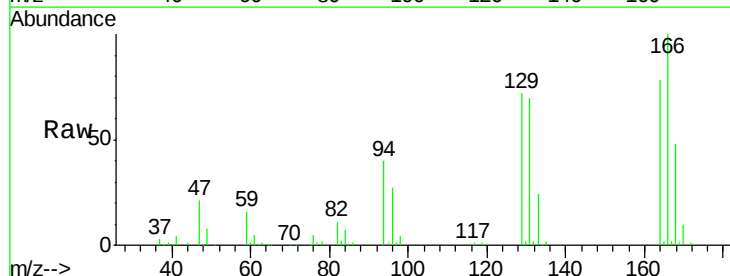
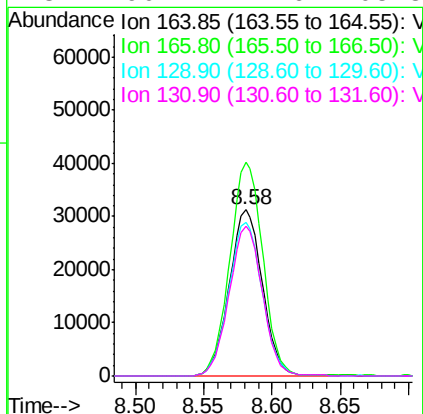
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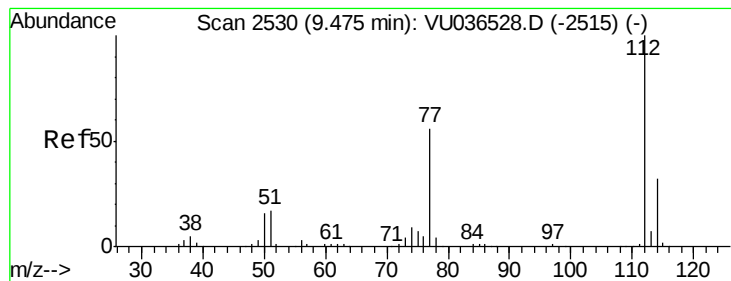
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#58
Tetrachloroethene
Concen: 6.107 ug/l
RT: 8.58 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.0	153.0
129	92.8	74.9	112.3
131	90.4	72.6	108.8





#59

Chlorobenzene

Concen: 5.112 ug/l

RT: 9.47 min Scan# 2530

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 144204

Ion Ratio Lower Upper

112 100

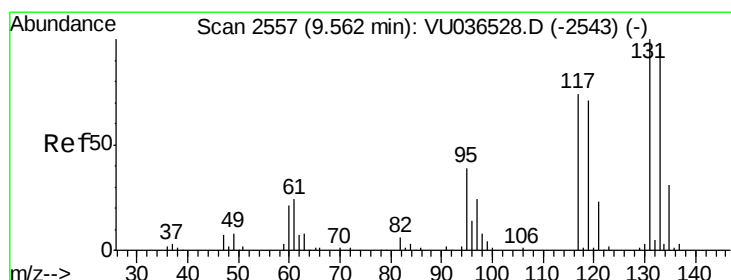
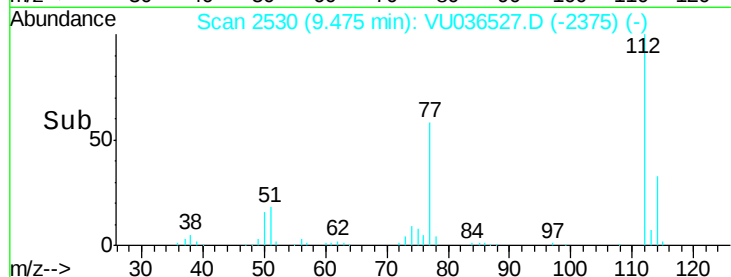
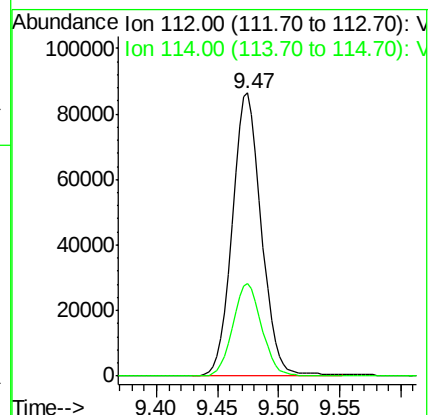
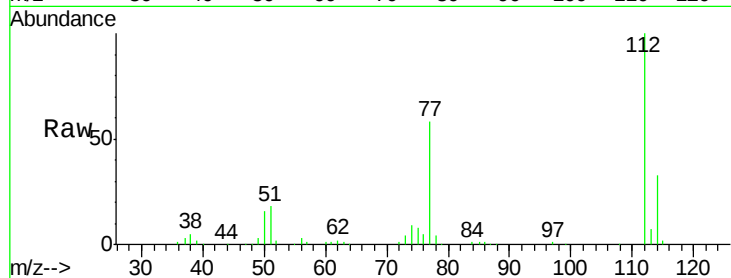
114 32.8 25.8 38.8

Manual Integrations

APPROVED

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#60

1,1,1,2-Tetrachloroethane

Concen: 4.985 ug/l

RT: 9.56 min Scan# 2557

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

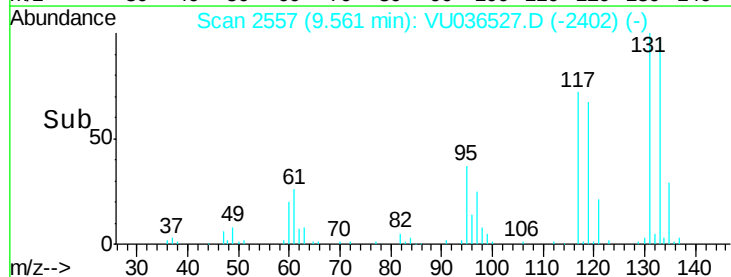
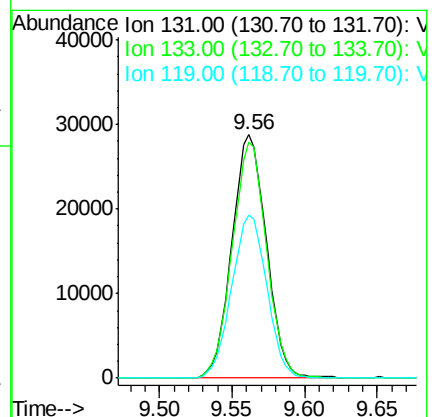
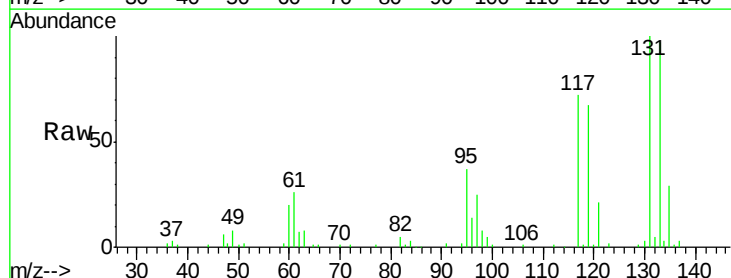
Tgt Ion:131 Resp: 47616

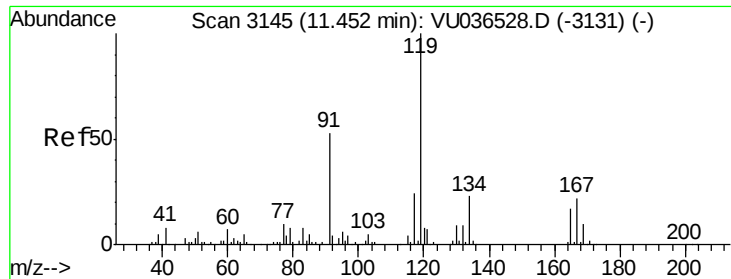
Ion Ratio Lower Upper

131 100

133 96.2 76.4 114.6

119 68.1 56.6 85.0





#61
 Pentachloroethane
 Concen: 4.347 ug/l
 RT: 11.45 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

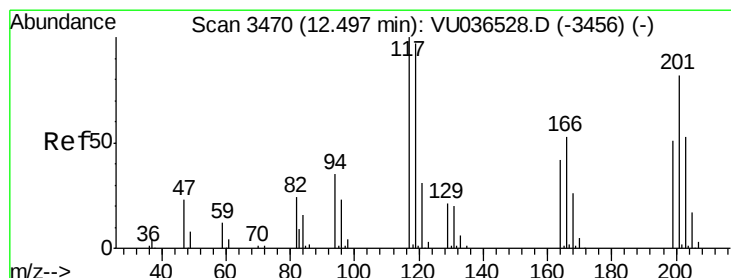
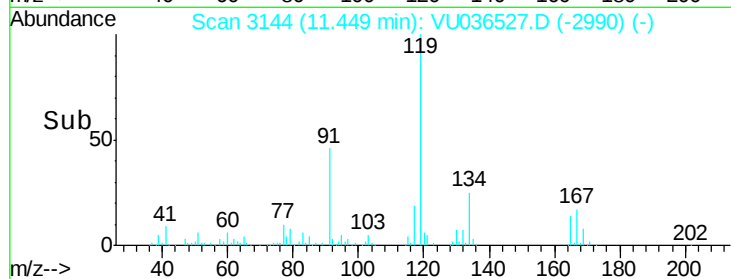
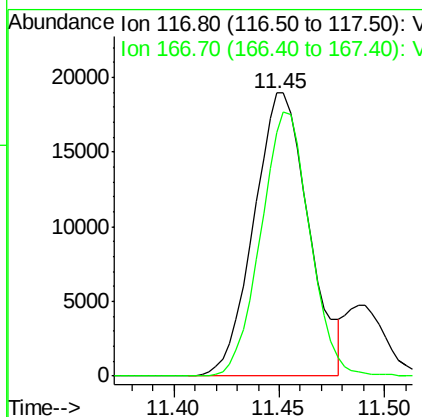
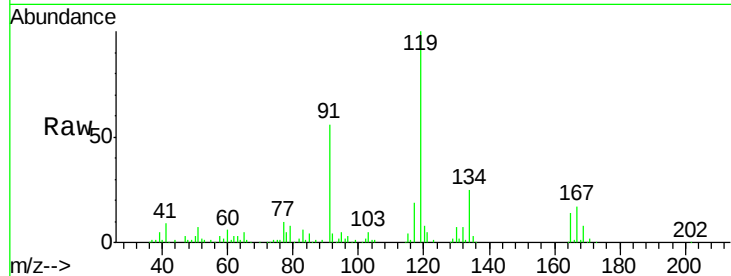
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:117 Resp: 34161
 Ion Ratio Lower Upper
 117 100
 167 83.7 66.7 100.1

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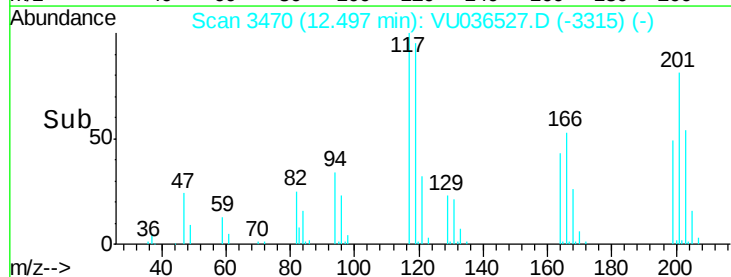
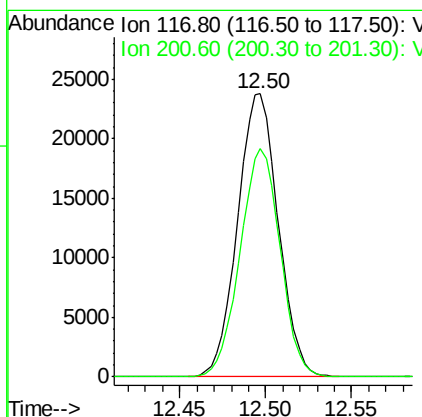
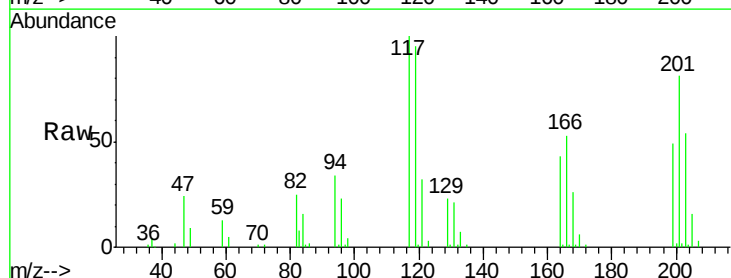
apatel

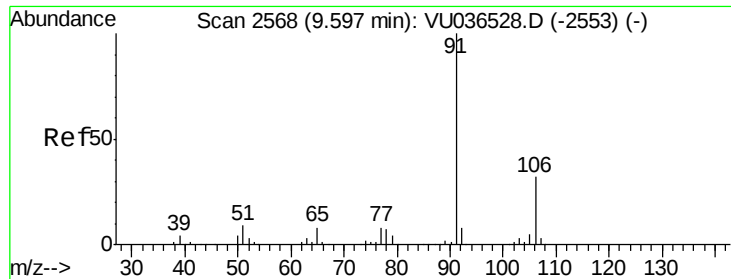
1/23/2020 3:21:34 PM



#62
 Hexachloroethane
 Concen: 4.732 ug/l
 RT: 12.50 min Scan# 3470
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion:117 Resp: 39044
 Ion Ratio Lower Upper
 117 100
 201 79.3 65.0 97.4





#63
Ethyl Benzene
Concen: 4.815 ug/l
RT: 9.60 min Scan# 2568
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

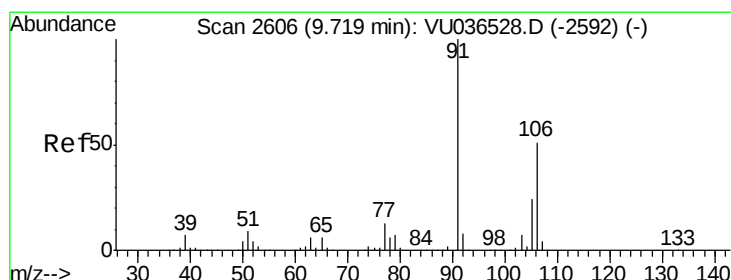
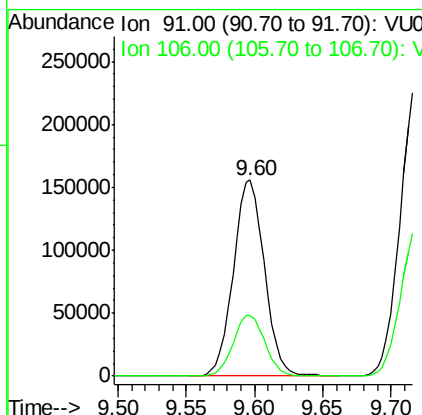
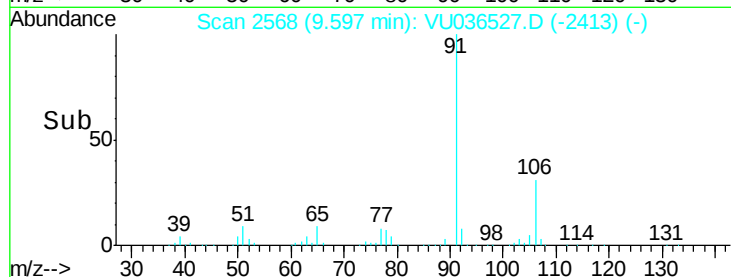
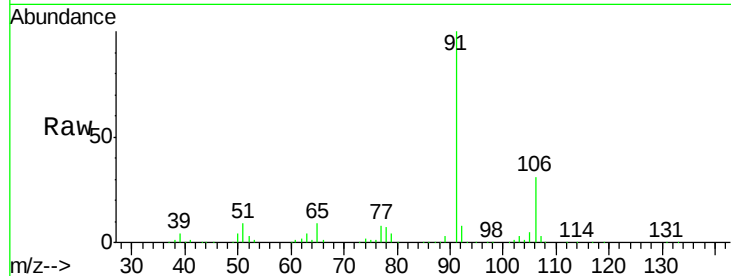
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 246965
Ion Ratio Lower Upper
91 100
106 31.1 26.0 39.0

Manual Integrations
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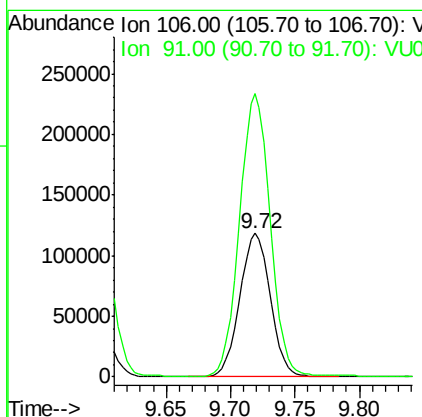
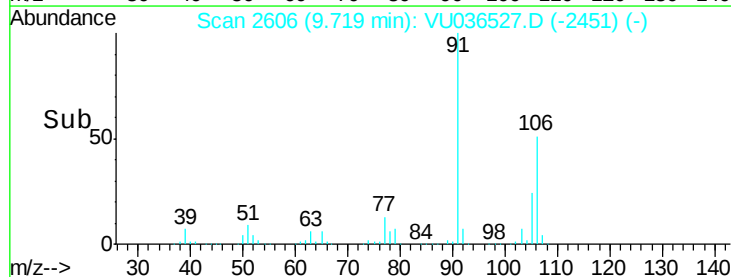
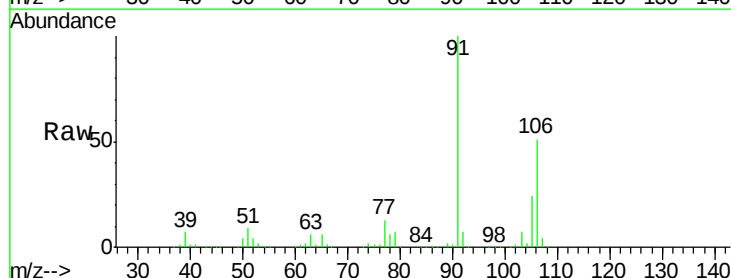
apatel

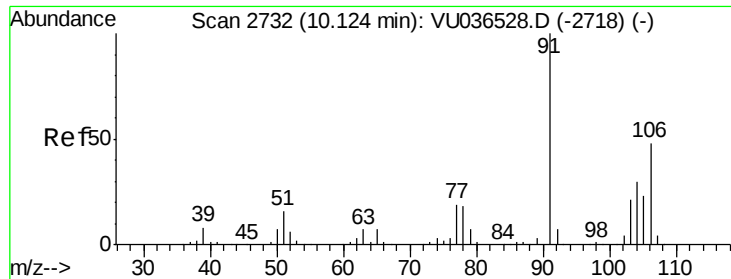
1/23/2020 3:21:34 PM



#64
m/p-Xylenes
Concen: 10.253 ug/l
RT: 9.72 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion: 106 Resp: 194465
Ion Ratio Lower Upper
106 100
91 200.9 158.2 237.4





#65
o-Xylene
Concen: 5.080 ug/l
RT: 10.12 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

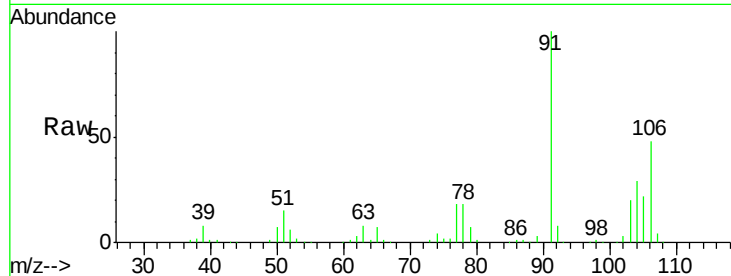
Instrument :
MSVOA_U
ClientSampleID :
VSTDIC005

Tot Ion:106 Resp: 94048
Ion Ratio Lower Upper
106 100
91 209.3 104.3 312.9

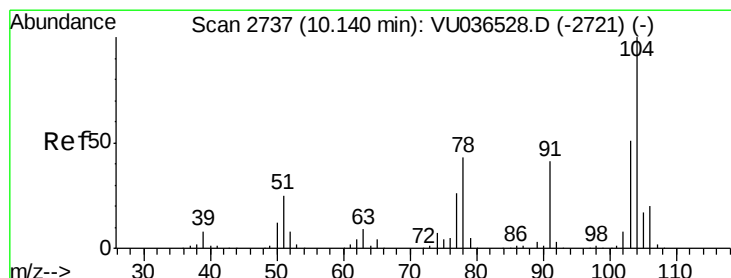
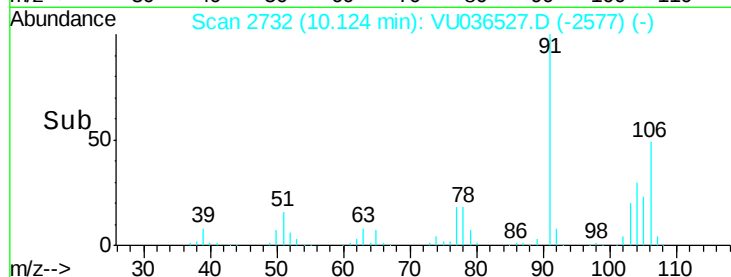
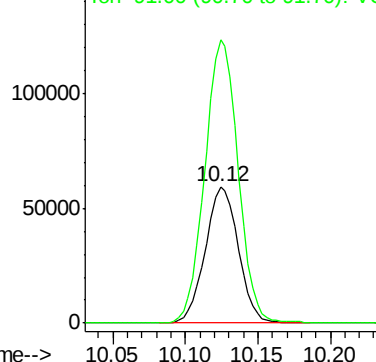
Manual Integrations
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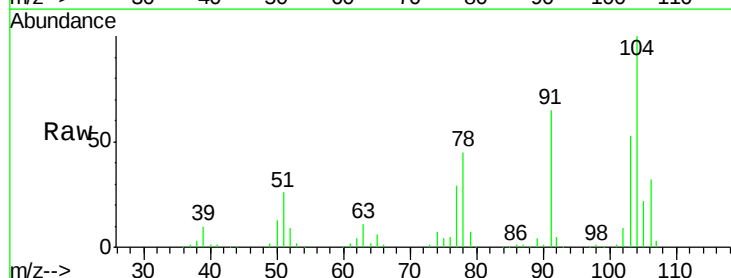


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

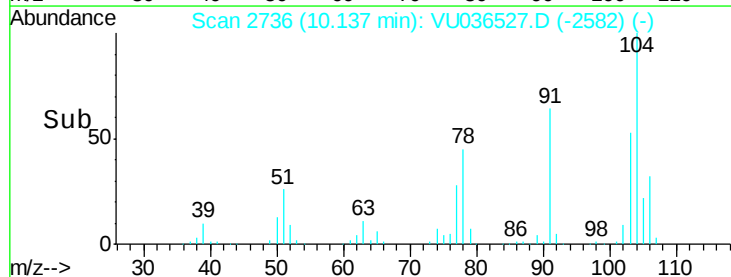
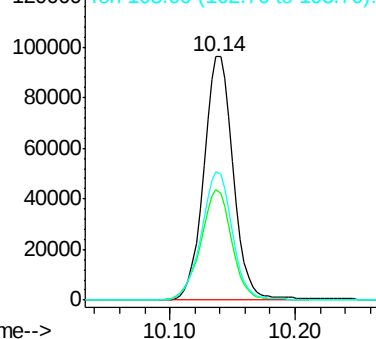


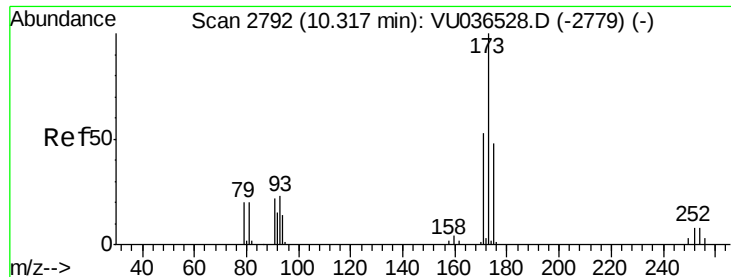
#66
Styrene
Concen: 5.139 ug/l
RT: 10.14 min Scan# 2736
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion:104 Resp: 156995
Ion Ratio Lower Upper
104 100
78 47.9 38.6 57.8
103 55.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#67
Bromoform
Concen: 5.717 ug/l
RT: 10.32 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

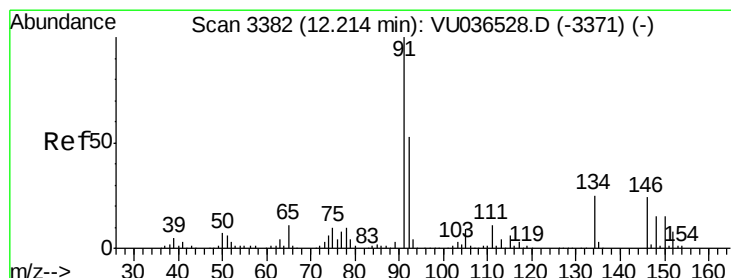
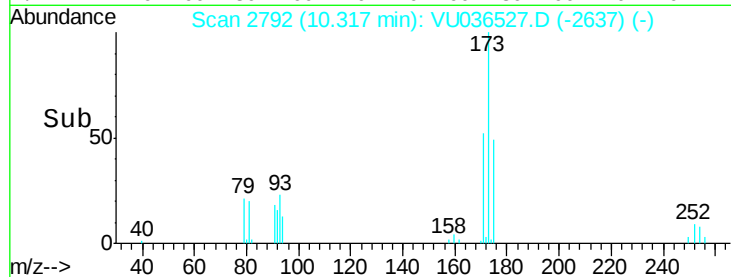
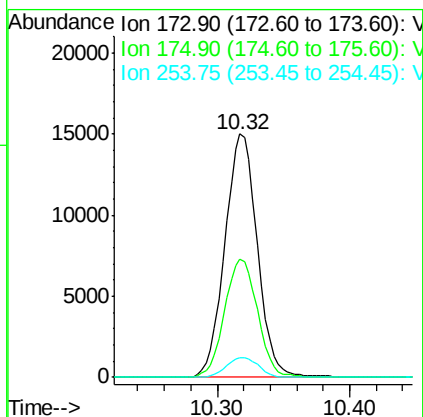
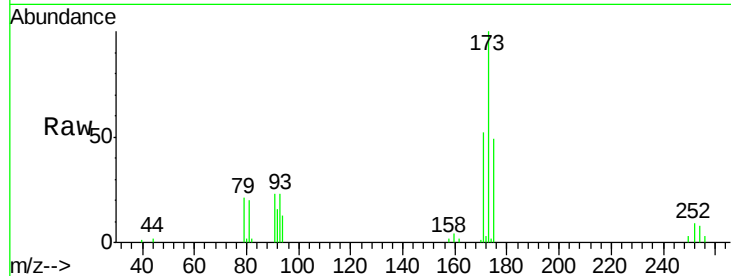
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.3	57.5
254	8.0	6.6	9.8

Manual Integrations
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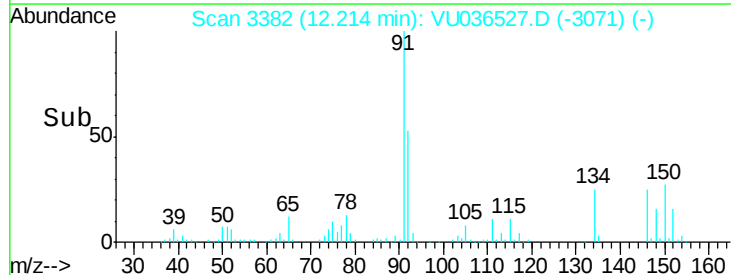
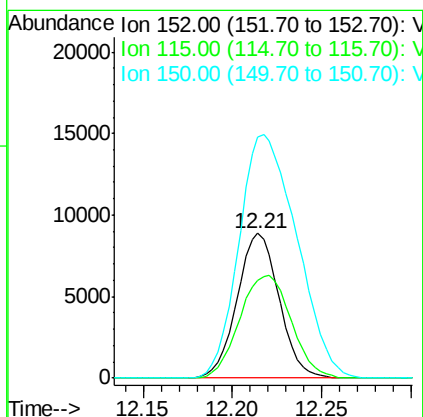
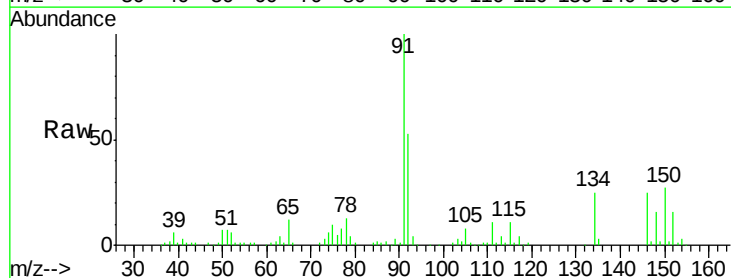
apatel

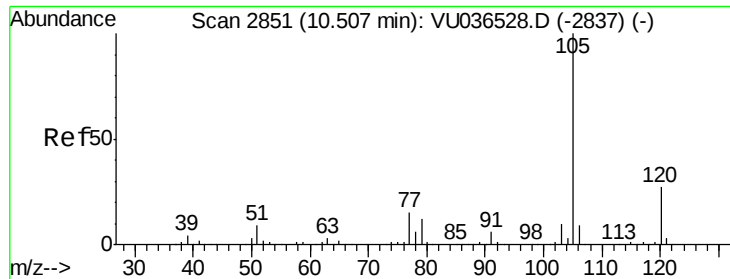
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#68
1,2-Dichlorobenzene-d4
Concen: 1.159 ug/l
RT: 12.21 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	86.8	0.0	241.8
150	230.5	0.0	652.4





#69

Isopropylbenzene

Concen: 4.928 ug/l

RT: 10.51 min Scan# 2851

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 245258

Ion Ratio Lower Upper

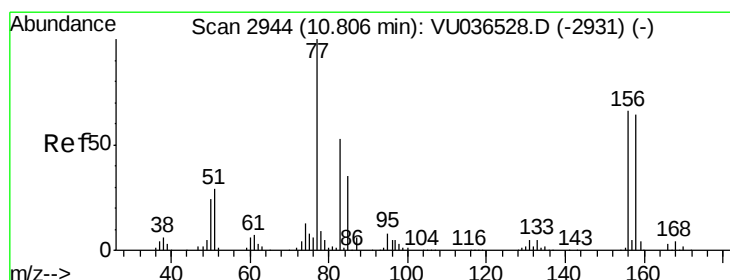
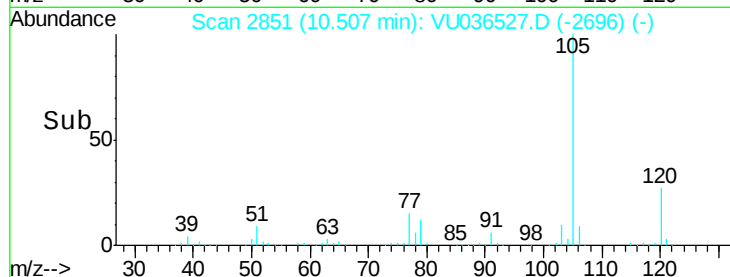
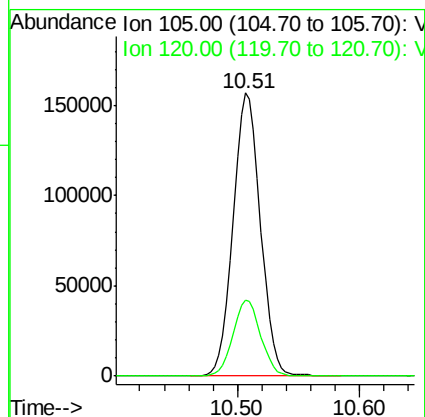
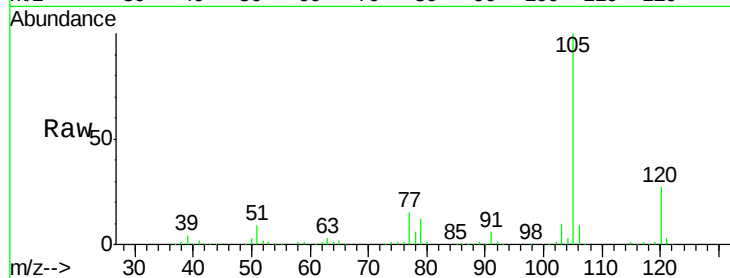
105 100

120 27.2 13.6 40.7

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 4.734 ug/l

RT: 10.81 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

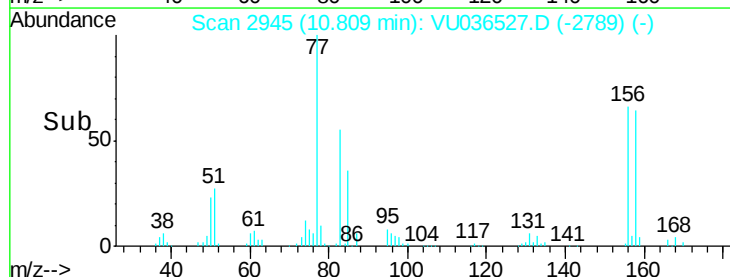
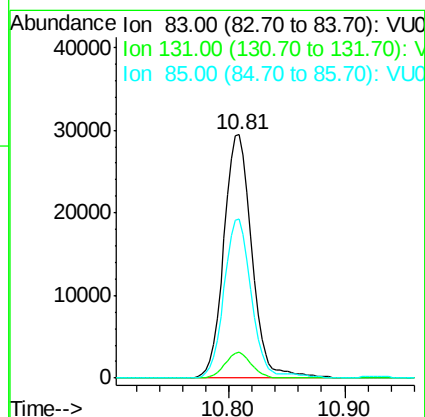
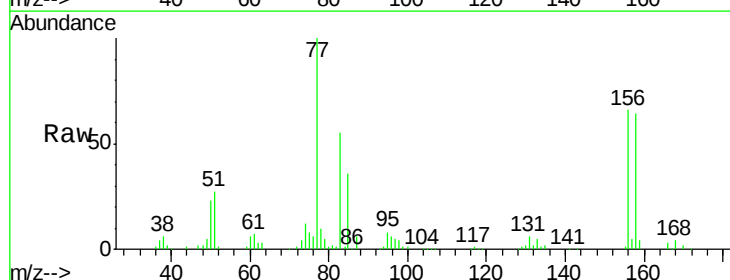
Tgt Ion: 83 Resp: 49138

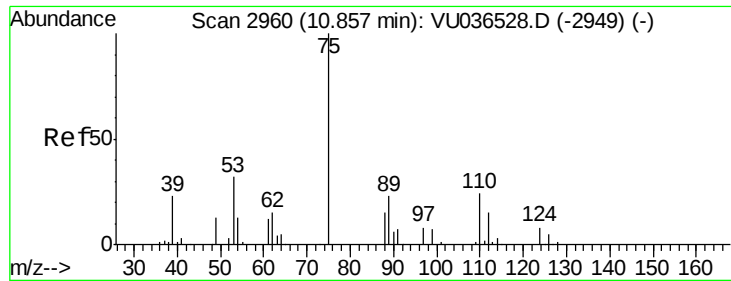
Ion Ratio Lower Upper

83 100

131 9.7 7.8 11.8

85 62.8 53.2 79.8





#71

1,2,3-Trichloropropane

Concen: 4.148 ug/l m

RT: 10.85 min Scan# 2959

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

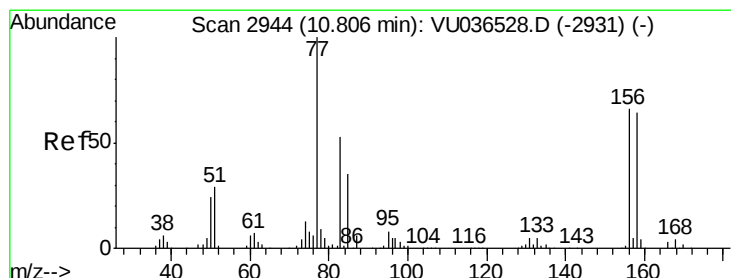
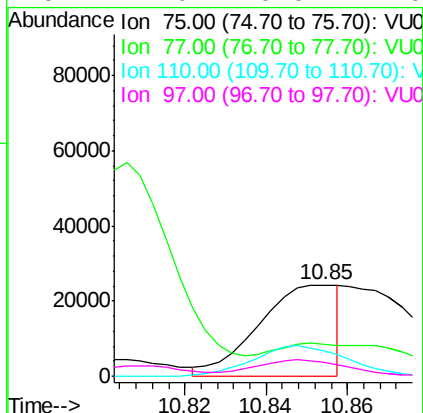
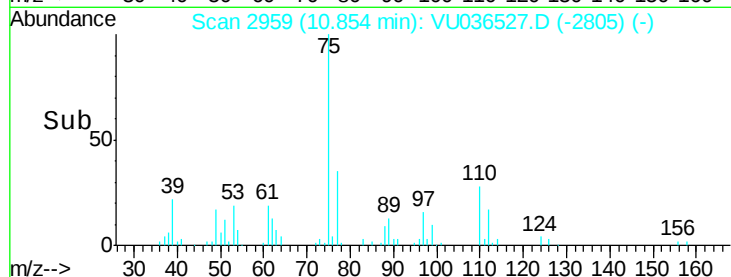
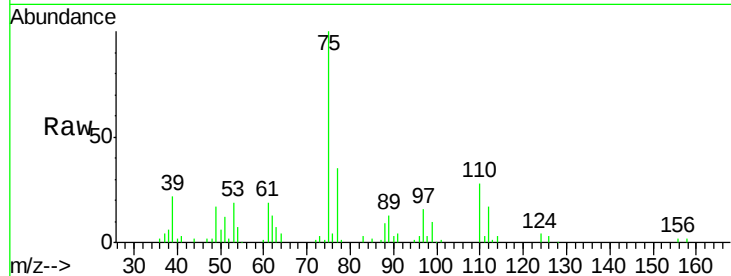
VSTDIC005

Tot Ion:	75	Resp:	32845
Ion	Ratio	Lower	Upper
75	100		
77	62.5	0.0	129.6
110	39.6	0.0	77.4
97	22.0	0.0	42.0

Manual Integrations
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#72

Bromobenzene

Concen: 5.702 ug/l

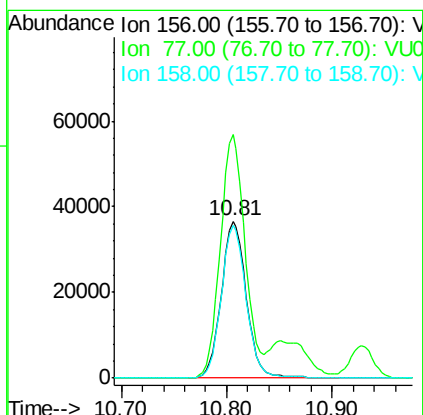
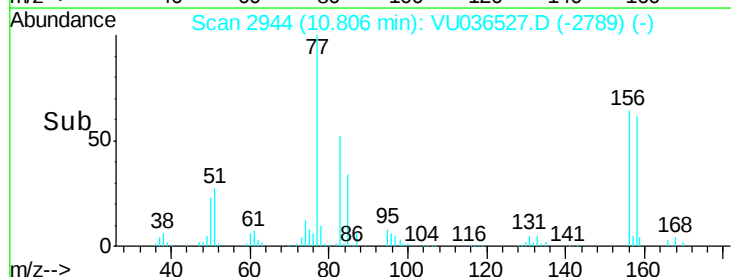
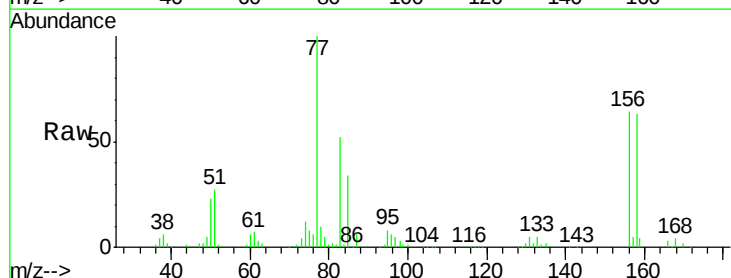
RT: 10.81 min Scan# 2944

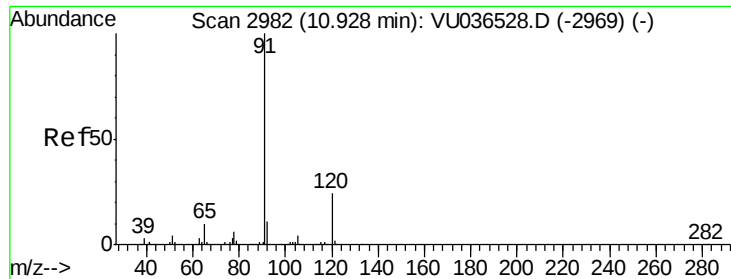
Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Tgt Ion:	156	Resp:	60066
Ion	Ratio	Lower	Upper
156	100		
77	153.6	0.0	306.6
158	97.2	0.0	192.0





#73

n-propylbenzene

Concen: 5.303 ug/l

RT: 10.93 min Scan# 2982

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:120 Resp: 70766

Ion Ratio Lower Upper

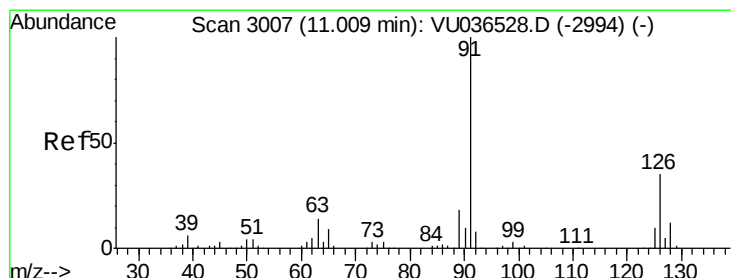
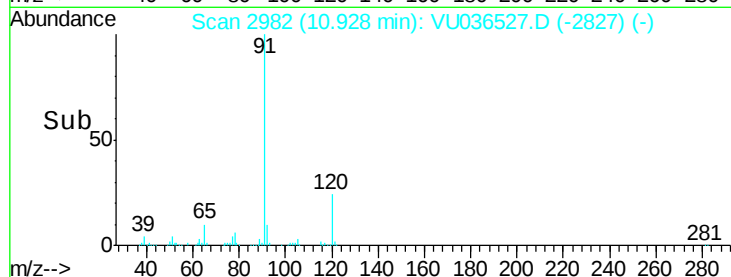
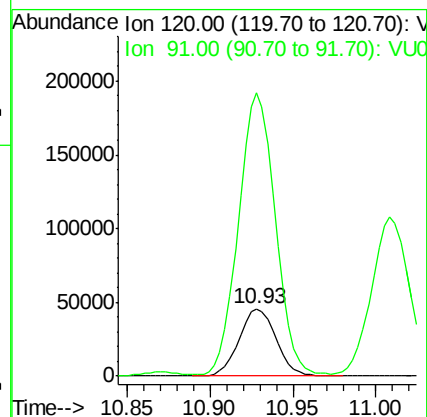
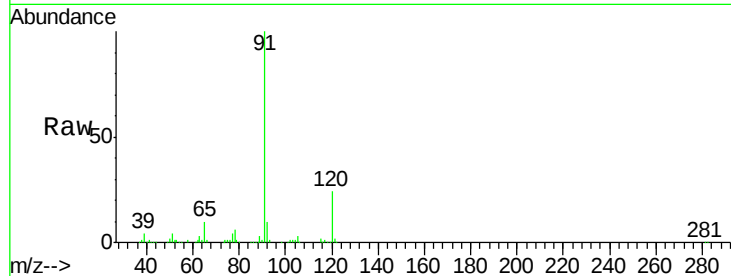
120 100

91 415.8 329.5 494.3

Manual Integrations
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#74

2-Chlorotoluene

Concen: 5.160 ug/l

RT: 11.01 min Scan# 3007

Delta R.T. -0.00 min

Lab File: VU036527.D

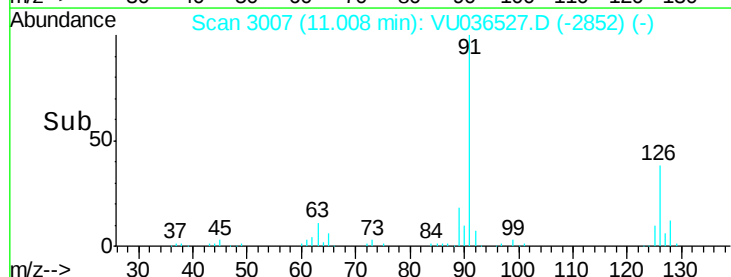
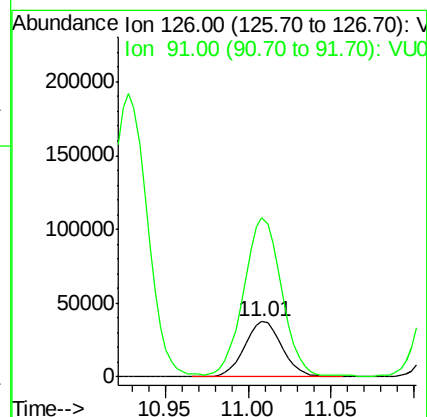
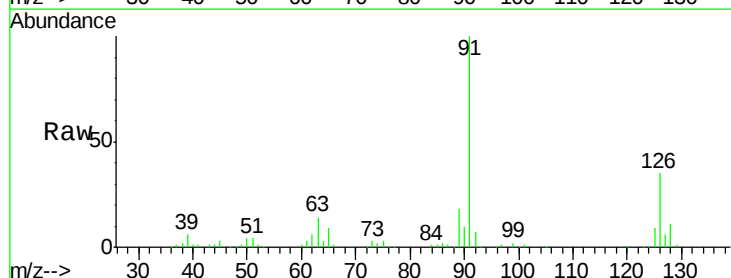
Acq: 22 Jan 2020 15:46

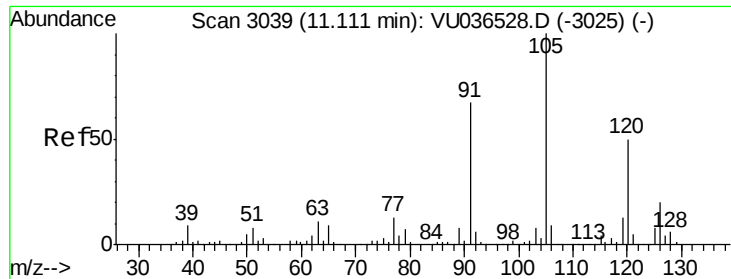
Tgt Ion:126 Resp: 59045

Ion Ratio Lower Upper

126 100

91 288.6 0.0 567.4





#75

1,3,5-Trimethylbenzene

Concen: 5.018 ug/l

RT: 11.11 min Scan# 3039

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 211921

Ion Ratio Lower Upper

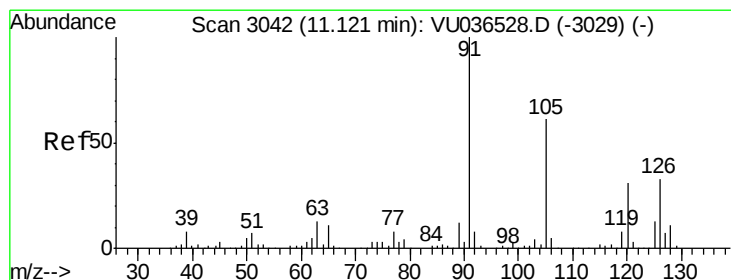
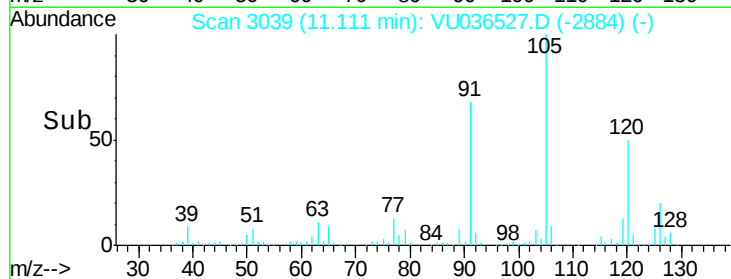
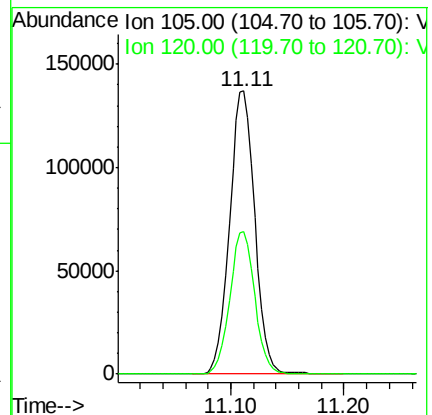
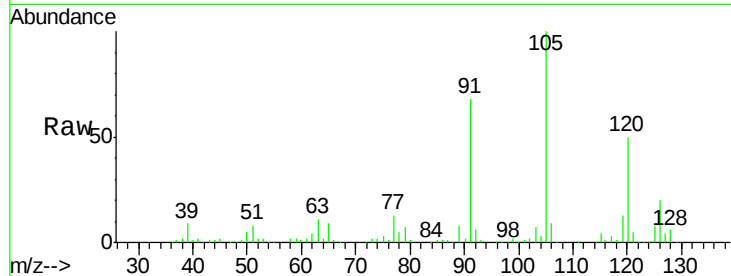
105 100

120 50.1 39.8 59.8

Manual Integrations
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#76

4-Chlorotoluene

Concen: 5.319 ug/l

RT: 11.12 min Scan# 3042

Delta R.T. -0.00 min

Lab File: VU036527.D

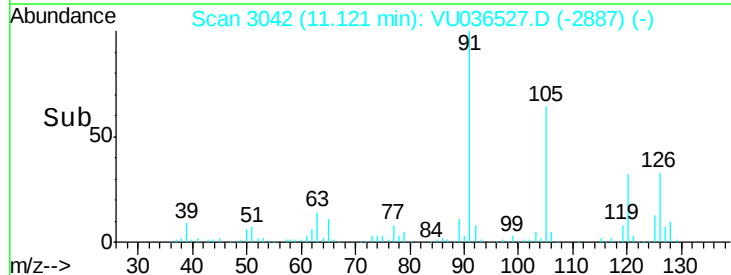
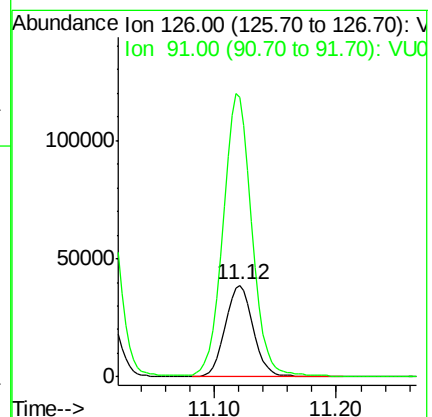
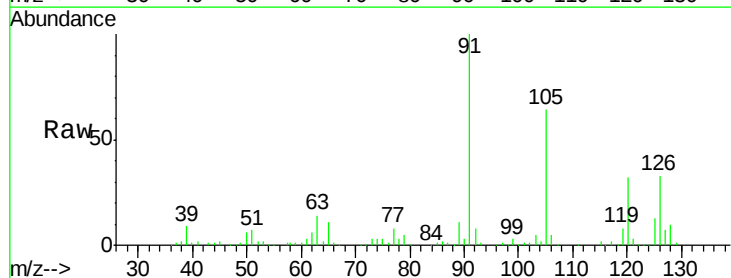
Acq: 22 Jan 2020 15:46

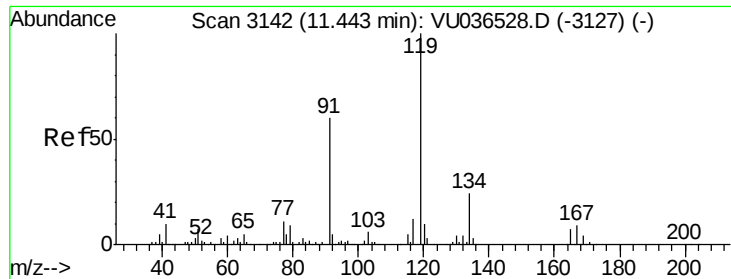
Tgt Ion:126 Resp: 62692

Ion Ratio Lower Upper

126 100

91 317.8 0.0 633.0





#77

tert-Butylbenzene

Concen: 5.018 ug/l

RT: 11.44 min Scan# 3142

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampleId :

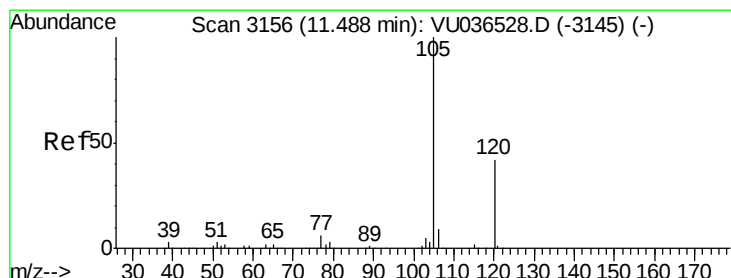
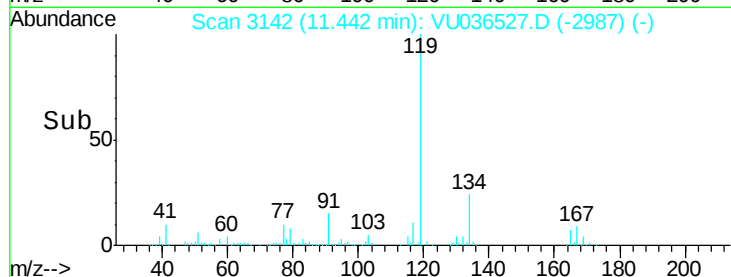
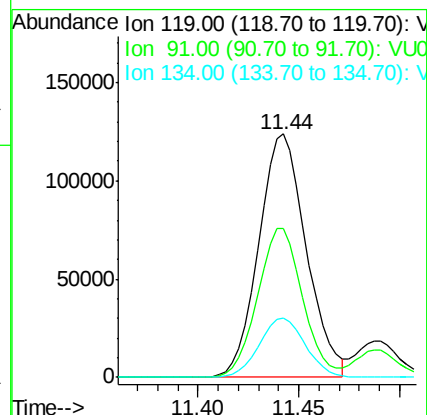
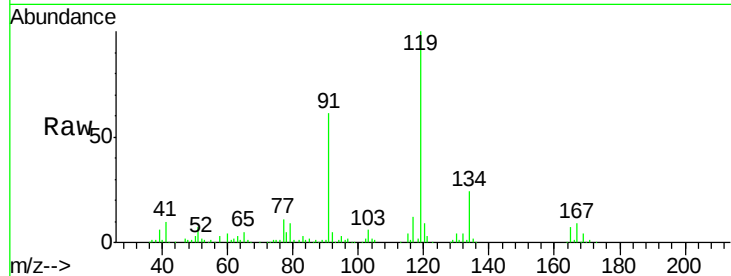
VSTDIC005

Tot Ion:	119	Resp:	203034
Ion Ratio	Lower	Upper	
119	100		
91	58.0	29.3	87.8
134	23.8	19.0	28.4

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#78

1,2,4-Trimethylbenzene

Concen: 4.981 ug/l

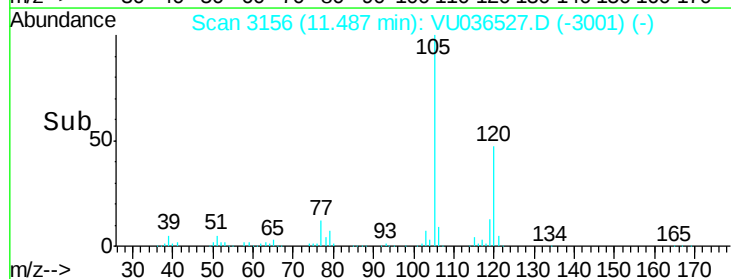
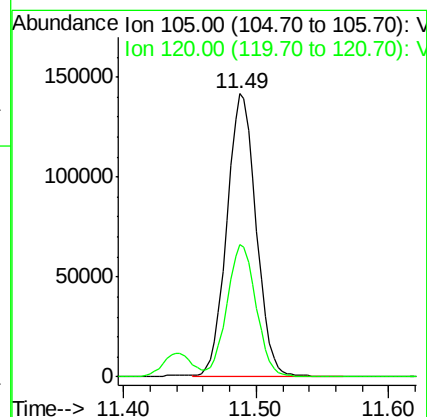
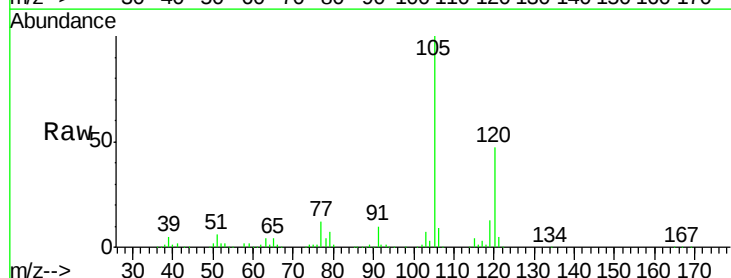
RT: 11.49 min Scan# 3156

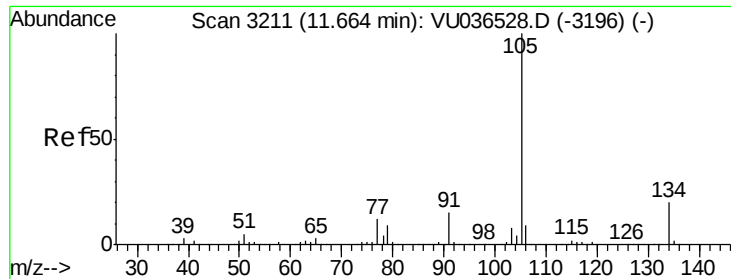
Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Tgt Ion:	105	Resp:	217894
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.3	69.8





#79

sec-Butylbenzene

Concen: 4.957 ug/l

RT: 11.66 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

Instrument :

MSVOA_U

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 278363

Ion Ratio Lower Upper

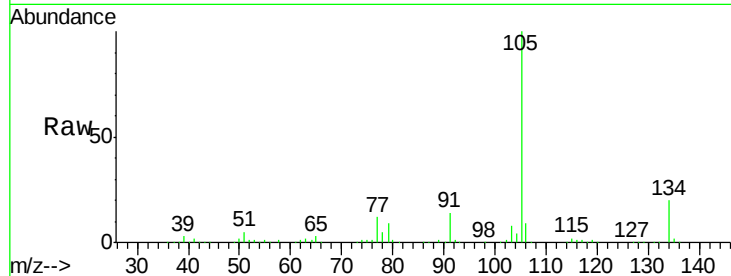
105 100

134 20.2 16.0 24.0

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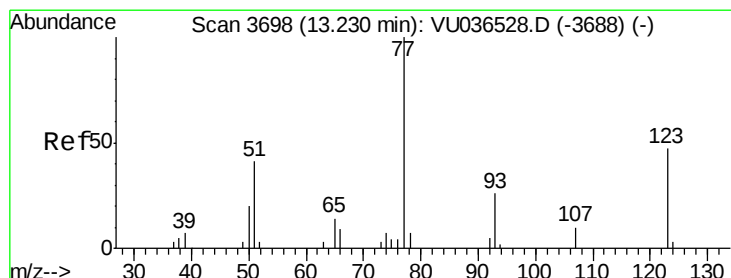
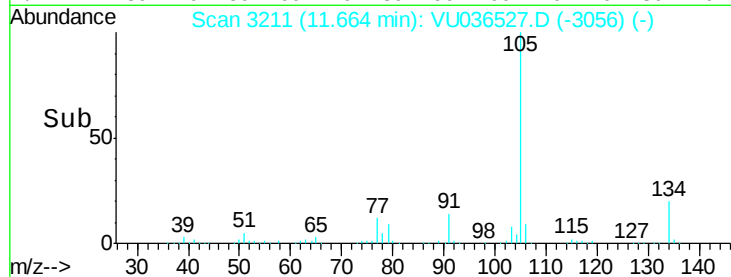
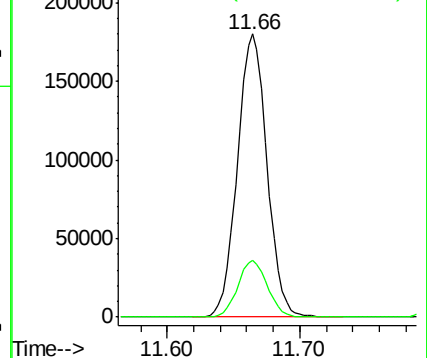
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 20.413 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VU036527.D

Acq: 22 Jan 2020 15:46

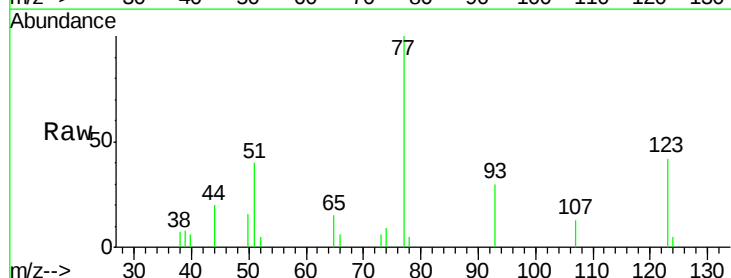
Tgt Ion: 77 Resp: 3716

Ion Ratio Lower Upper

77 100

123 44.0 19.6 69.6

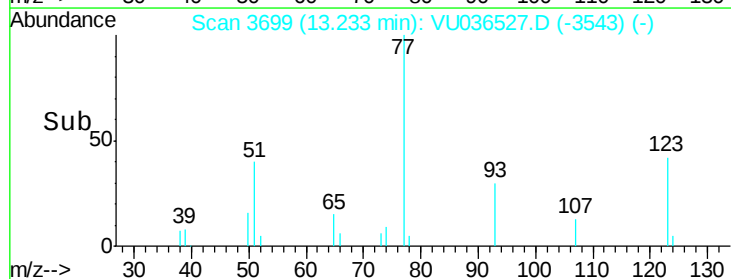
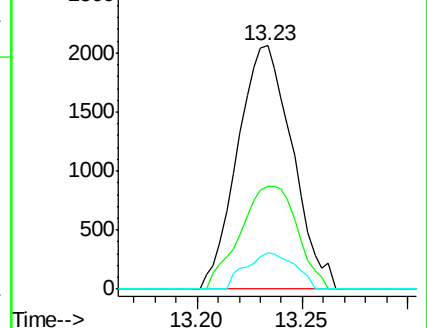
65 13.4 12.7 16.1

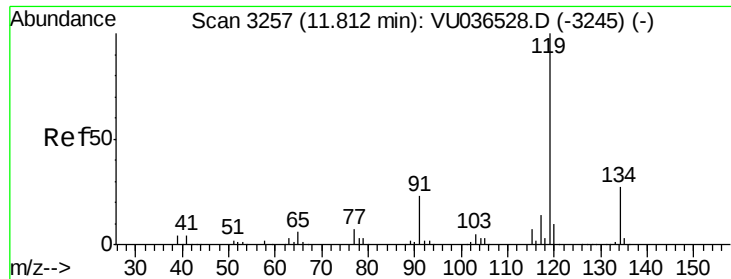


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





#81
p-Isopropyltoluene
Concen: 5.246 ug/l
RT: 11.81 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

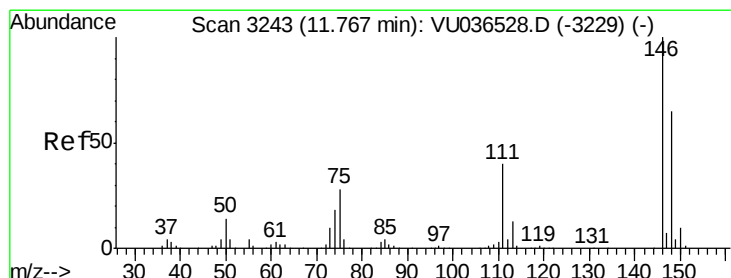
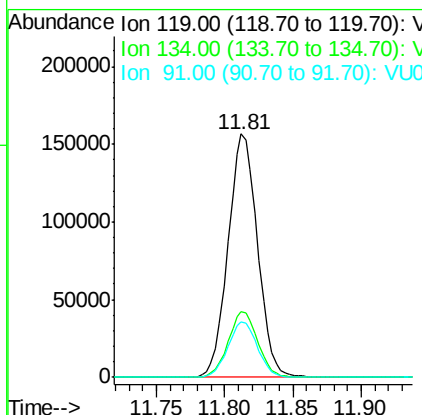
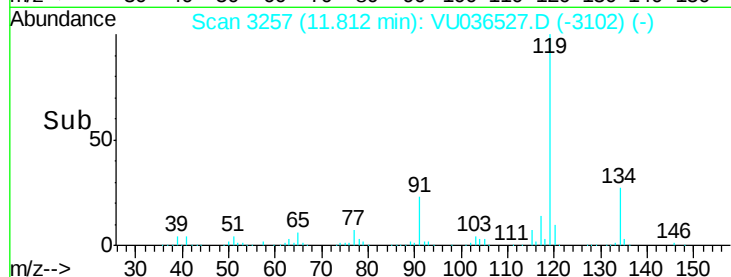
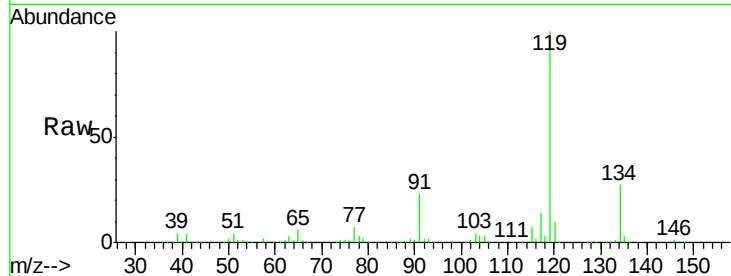
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	21.4	32.0
91	22.9	18.3	27.5

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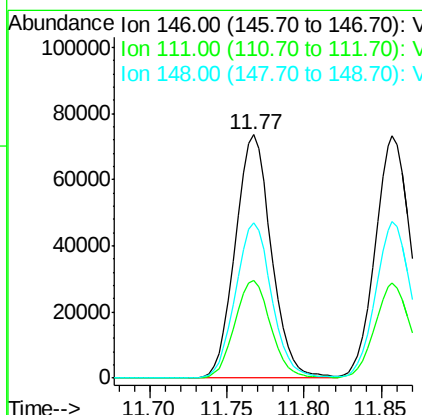
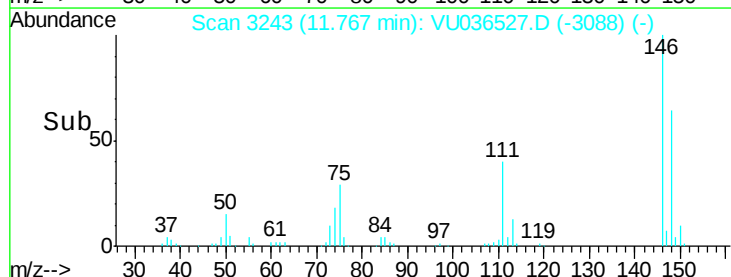
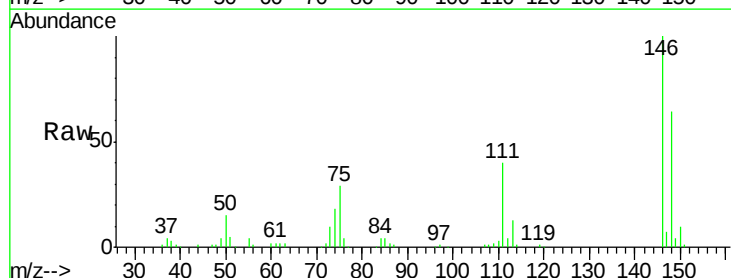
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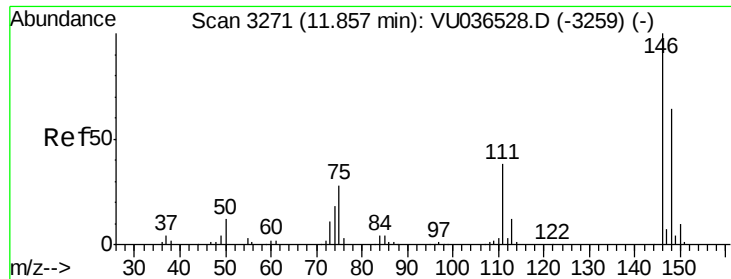
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#82
1,3-Dichlorobenzene
Concen: 5.403 ug/l
RT: 11.77 min Scan# 3243
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	32.2	48.2
148	64.3	51.4	77.2





#83
 1,4-Dichlorobenzene
 Concen: 5.477 ug/l
 RT: 11.86 min Scan# 3271
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

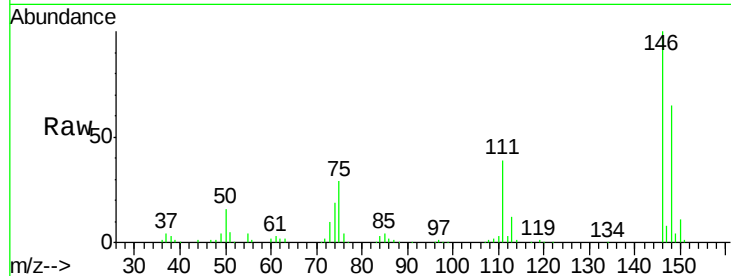
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion:	146	Resp:	119721
Ion Ratio	Lower	Upper	
146	100		
111	38.7	30.5	45.7
148	63.8	51.0	76.4

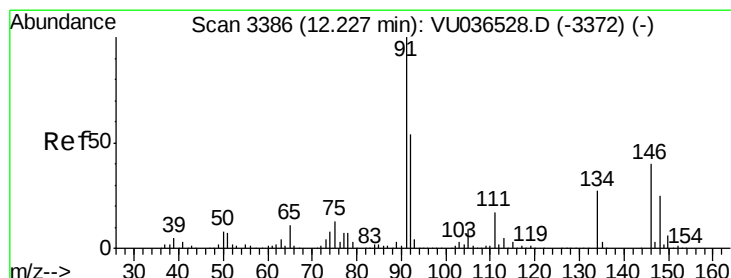
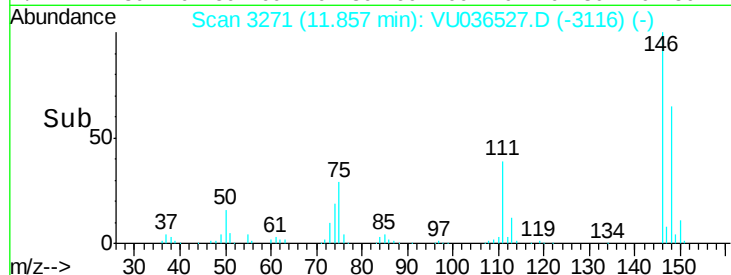
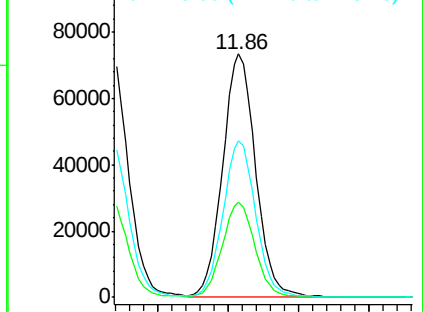
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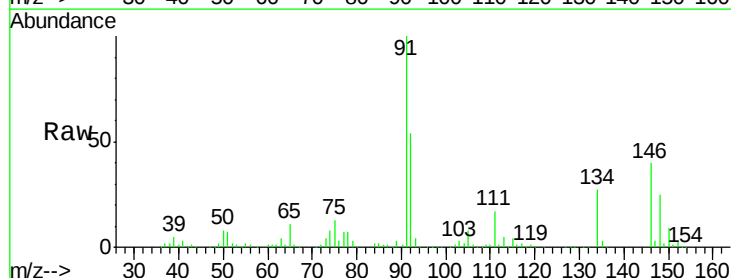


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

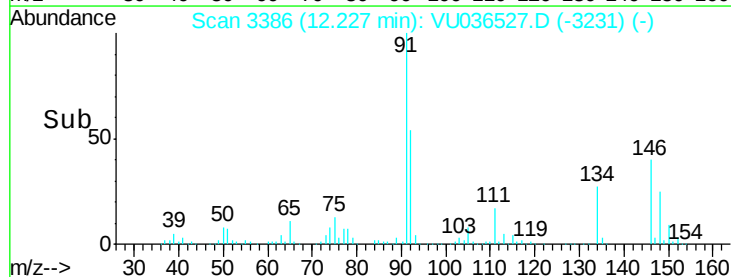
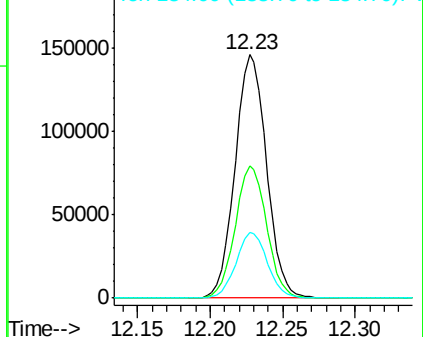


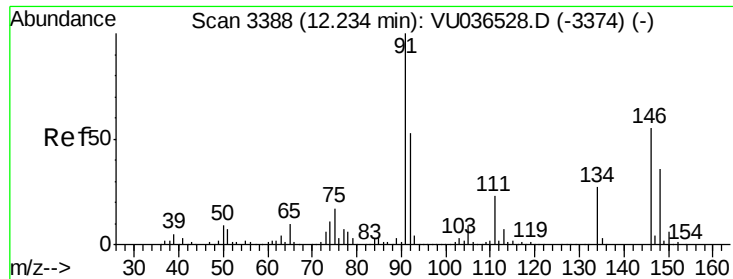
#84
 n-Butylbenzene
 Concen: 4.664 ug/l
 RT: 12.23 min Scan# 3386
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion:	91	Resp:	219828
Ion Ratio	Lower	Upper	
91	100		
92	54.1	42.9	64.3
134	26.9	21.4	32.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0
 Ion 134.00 (133.70 to 134.70): V





#85
 1,2-Dichlorobenzene
 Concen: 5.423 ug/l
 RT: 12.23 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

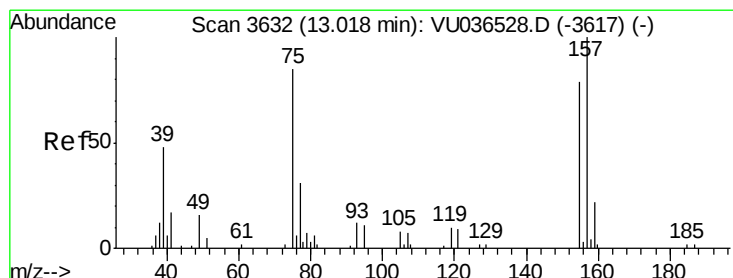
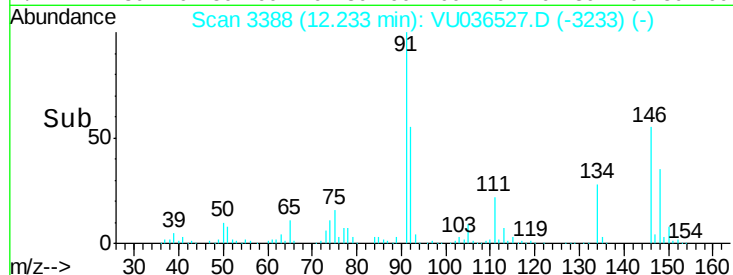
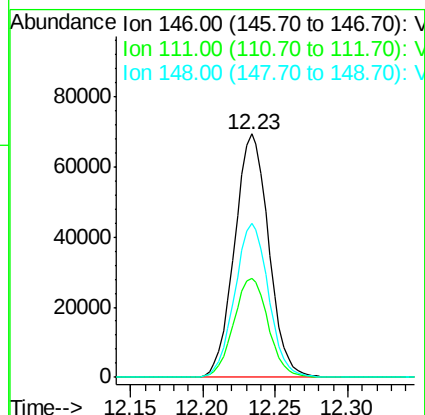
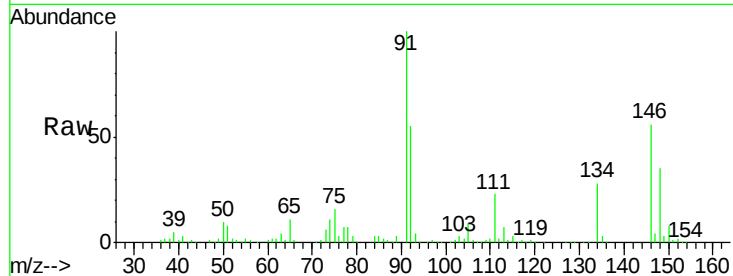
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	62.8	32.0	96.2

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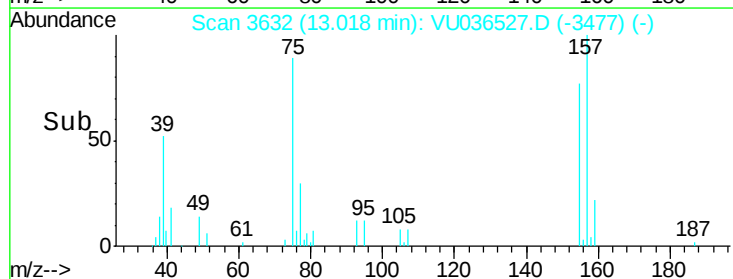
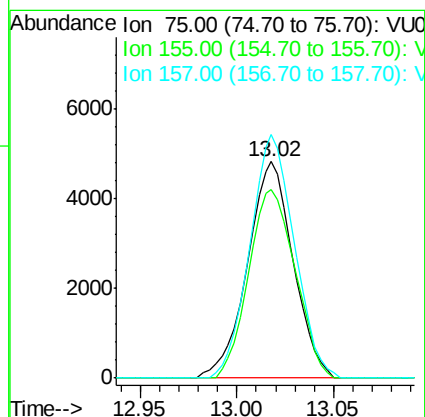
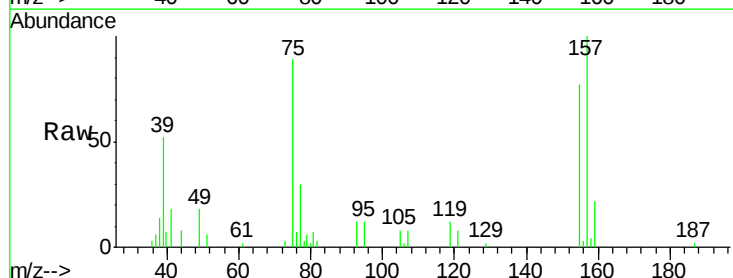
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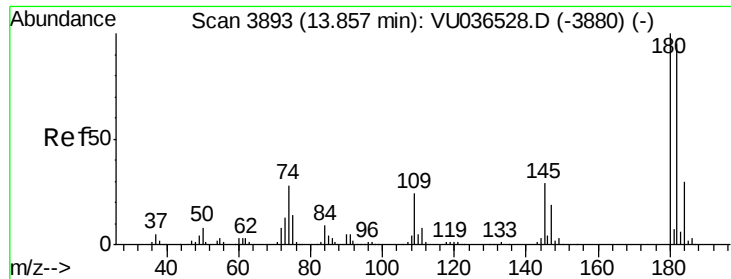
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 4.193 ug/l
 RT: 13.02 min Scan# 3632
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	71.8	107.8
157	109.3	92.4	138.6





#87
 1,2,4-Trichlorobenzene
 Concen: 5.749 ug/l
 RT: 13.86 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

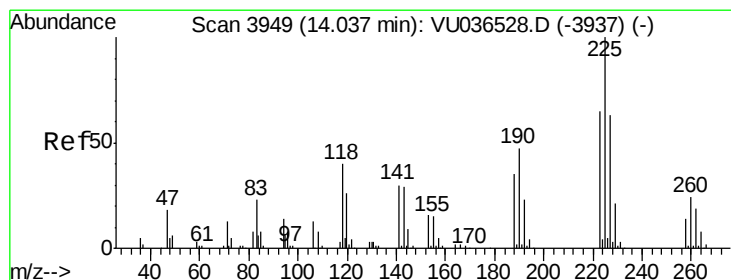
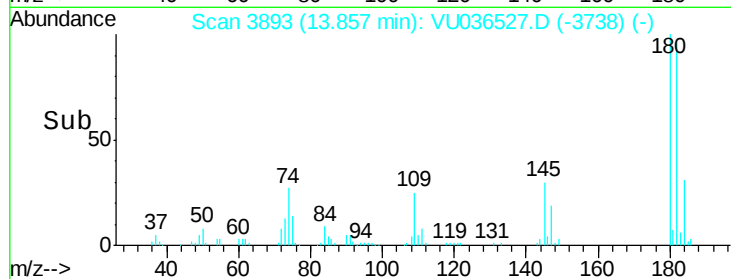
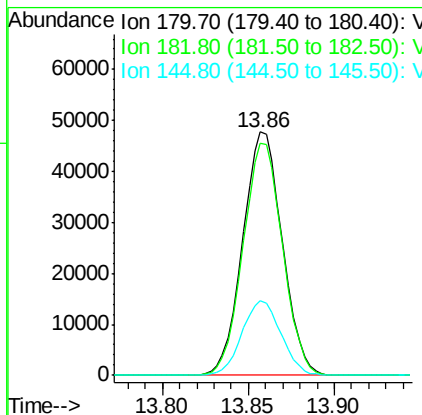
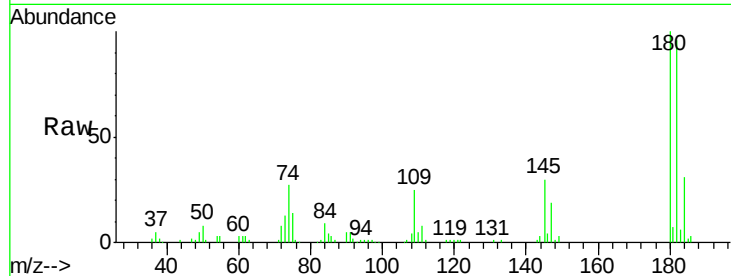
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.9	113.9
145	30.3	23.4	35.2

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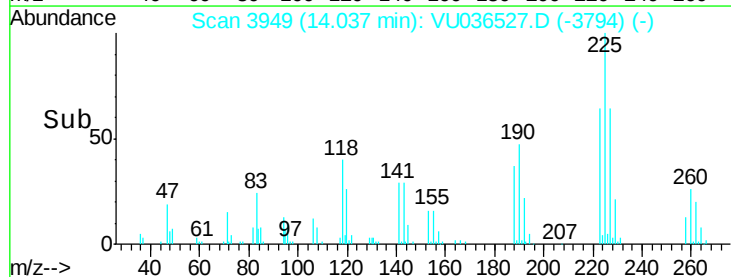
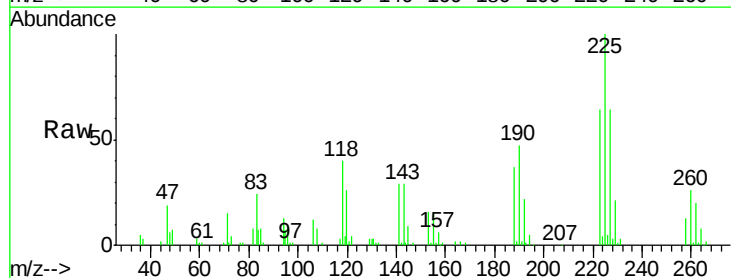
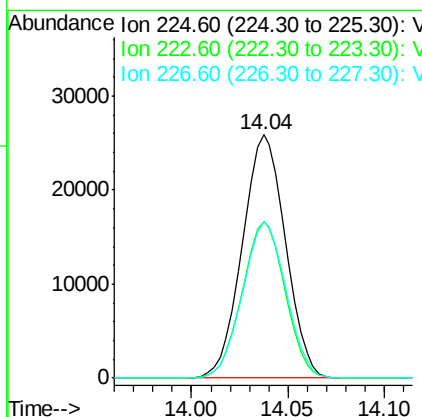
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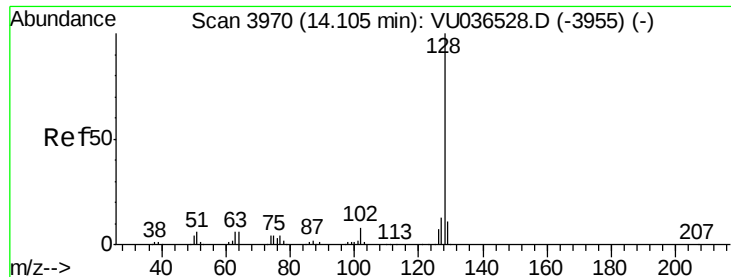
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#88
 Hexachlorobutadiene
 Concen: 6.452 ug/l
 RT: 14.04 min Scan# 3949
 Delta R.T. -0.00 min
 Lab File: VU036527.D
 Acq: 22 Jan 2020 15:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.7	77.5
227	64.5	50.6	75.8





#89
Naphthalene
Concen: 5.011 ug/l
RT: 14.10 min Scan# 3970
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

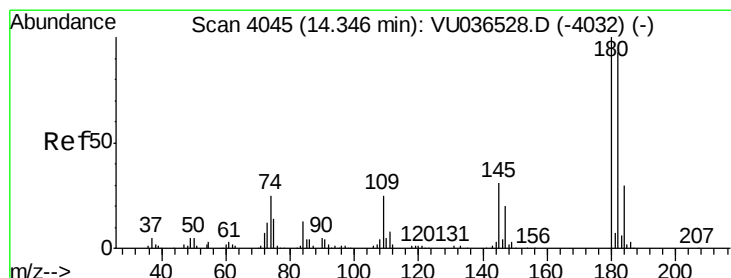
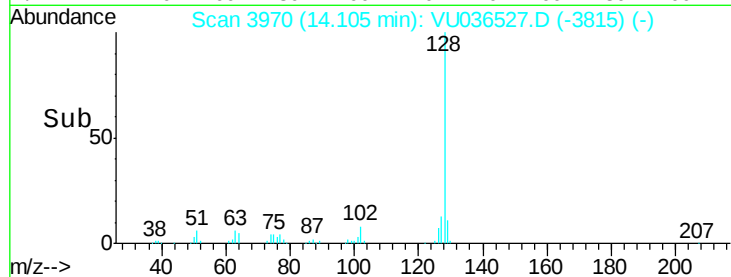
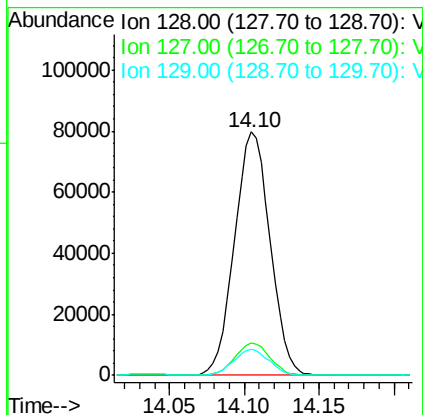
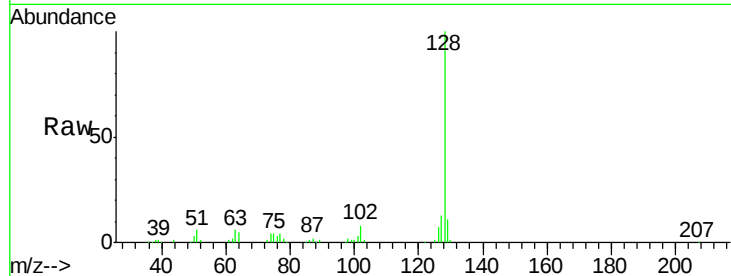
Instrument :
MSVOA_U
ClientSampled :
VSTDIC005

Tot Ion:	128	Resp:	131815
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.7	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 5.775 ug/l
RT: 14.35 min Scan# 4045
Delta R.T. -0.00 min
Lab File: VU036527.D
Acq: 22 Jan 2020 15:46

Tgt Ion:	180	Resp:	70335
Ion Ratio	Lower	Upper	
180	100		
182	96.1	76.2	114.4
145	31.8	25.2	37.8

