

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103019\
 Data File : VU035552.D
 Acq On : 30 Oct 2019 11:00
 Operator : JC/SP
 Sample : VU1030WBS01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 4:09:20 PM

10/31/2019 4:09:20 PM

Quant Time: Oct 31 01:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 07:13:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.16	96	65816	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.66	95	24180	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	12.22	152	25484	1.01	ug/l	0.00
Spiked Amount 1.000			Recovery	=	101.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.40	85	52971	2.055	ug/l	99
3) Chloromethane	1.54	50	60667	1.921	ug/l	98
4) Vinyl Chloride	1.62	62	55193	1.972	ug/l	98
5) Bromomethane	1.88	94	27099	1.904	ug/l	98
6) Chloroethane	1.96	64	31601	1.964	ug/l	98
7) Trichlorofluoromethane	2.16	101	68808	1.989	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	37892	2.021	ug/l	99
9) 1,1-Dichloroethene	2.61	96	34887	1.929	ug/l	99
10) Iodomethane	2.75	142	13886	1.803	ug/l	99
11) Allyl Chloride	2.96	41	59755	1.966	ug/l	100
12) Acrylonitrile	3.37	53	17405m	3.833	ug/l	
13) Acetone	2.67	43	38410	8.716	ug/l	97
14) Carbon Disulfide	2.83	76	126470	1.978	ug/l	100
15) Methylene Chloride	3.08	84	44948	1.933	ug/l	97
16) trans-1,2-Dichloroethene	3.39	96	38636	1.942	ug/l	99
17) 1,1-Dichloroethane	3.92	63	75910	2.037	ug/l	98
18) 2-Butanone	4.79	43	47607	8.335	ug/l	99
19) Cyclohexane	5.43	56	50749m	1.719	ug/l	
20) Methylcyclohexane	6.80	83	51397	1.697	ug/l	94
21) 2,2-Dichloropropane	4.72	77	61155	1.902	ug/l	99
22) cis-1,2-Dichloroethene	4.72	96	41052	1.928	ug/l	97
23) Diethyl Ether	2.41	59	29216	1.959	ug/l	98
24) tert-Butyl Alcohol	3.26	59	45175	27.176	ug/l #	94
25) Methyl tert-Butyl Ether	3.43	73	97388	2.008	ug/l	98
26) Bromochloromethane	5.03	128	19276	2.028	ug/l	97
27) Chloroform	5.14	83	78462	1.971	ug/l	92
28) 1,1,1-Trichloroethane	5.36	97	62862	1.993	ug/l	98
29) 1,1-Dichloropropene	5.57	75	48596	1.837	ug/l	99
30) Carbon Tetrachloride	5.57	117	55799	1.989	ug/l	99
31) Isopropyl Ether	4.07	45	95879	1.843	ug/l	92
32) Ethyl-t-butyl ether	4.57	59	89206	1.852	ug/l	100
33) Tert-Amyl methyl ether	6.01	73	75589	1.824	ug/l	98
34) Propionitrile	4.85	54	15144	9.154	ug/l	94
35) Benzene	5.82	78	158557	1.965	ug/l	98
36) 1,2-Dichloroethane	5.84	62	45656	1.974	ug/l	100
37) Trichloroethene	6.58	130	40577	1.810	ug/l	98
38) 1,2-Dichloropropane	6.84	63	43115	1.948	ug/l	96
39) Methacrylonitrile	5.04	41	10555	1.699	ug/l #	90
40) Methyl acrylate	4.92	55	14716	1.556	ug/l #	92
41) Tetrahydrofuran	5.14	42	11670	3.654	ug/l #	39
42) 1-Chlorobutane	5.50	56	65867	1.810	ug/l	99

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Manual Integrations
 APPROVED

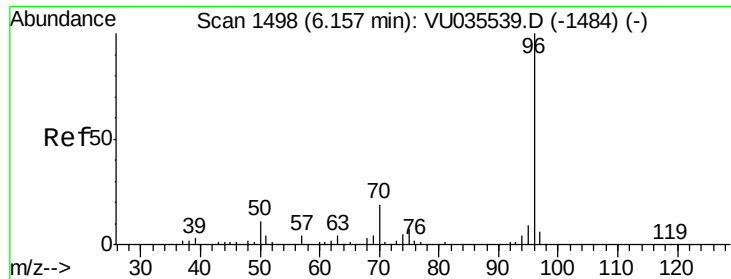
MMDadoda
 10/31/2019 4:09:20 PM

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Quant Time: Oct 31 01:22:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Oct 30 07:13:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.96	93	22110	2.000	ug/l	98
44) Bromodichloromethane	7.15	83	56331	2.045	ug/l	98
45) 4-Methyl-2-Pentanone	7.85	43	107635	9.130	ug/l	97
46) t-1,4-Dichloro-2-butene	10.88	75	18271m	4.264	ug/l	
47) Methyl methacrylate	7.02	69	33712	3.682	ug/l	95
48) Ethyl methacrylate	8.38	69	27395	1.712	ug/l	91
49) Toluene	8.01	92	88077	1.897	ug/l	99
50) t-1,3-Dichloropropene	8.25	75	45076	1.848	ug/l	96
51) cis-1,3-Dichloropropene	7.65	75	54346	1.878	ug/l	98
52) 1,1,2-Trichloroethane	8.44	97	32665	2.108	ug/l	96
53) 1,3-Dichloropropane	8.61	76	53487	2.037	ug/l	97
54) 2-Hexanone	8.75	43	68989	8.234	ug/l	95
55) Dibromochloromethane	8.85	129	38664	2.044	ug/l	96
56) 1,2-Dibromoethane	8.96	107	26837	1.893	ug/l	95
58) Tetrachloroethene	8.59	164	42176	2.052	ug/l	94
59) Chlorobenzene	9.48	112	99542	1.860	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.57	131	42080	2.045	ug/l	97
61) Pentachloroethane	11.46	117	34474	2.056	ug/l	96
62) Hexachloroethane	12.50	117	29550	1.929	ug/l	97
63) Ethyl Benzene	9.60	91	146820	1.766	ug/l	98
64) m/p-Xylenes	9.73	106	117294	3.574	ug/l #	5
65) o-Xylene	10.13	106	57048	1.799	ug/l	100
66) Styrene	10.15	104	91863	1.750	ug/l	99
67) Bromoform	10.32	173	23355	1.990	ug/l	98
69) Isopropylbenzene	10.51	105	148686	1.798	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.82	83	41673	2.017	ug/l #	65
71) 1,2,3-Trichloropropane	10.86	75	32079m	2.068	ug/l	
72) Bromobenzene	10.82	156	45036	1.955	ug/l	95
73) n-propylbenzene	10.93	120	38530	1.669	ug/l	97
74) 2-Chlorotoluene	11.02	126	39385	1.819	ug/l	97
75) 1,3,5-Trimethylbenzene	11.12	105	115648	1.697	ug/l	100
76) 4-Chlorotoluene	11.13	126	40483	1.841	ug/l	97
77) tert-Butylbenzene	11.45	119	123738	1.771	ug/l	100
78) 1,2,4-Trimethylbenzene	11.50	105	109190	1.584	ug/l	99
79) sec-Butylbenzene	11.67	105	148756	1.664	ug/l	98
80) Nitrobenzene	13.23	77	2511	3.627	ug/l #	88
81) p-Isopropyltoluene	11.82	119	108317	1.515	ug/l #	68
82) 1,3-Dichlorobenzene	11.78	146	78002	1.778	ug/l	97
83) 1,4-Dichlorobenzene	11.87	146	76593	1.820	ug/l	99
84) n-Butylbenzene	12.24	91	82039	1.398	ug/l	96
85) 1,2-Dichlorobenzene	12.24	146	74100	1.793	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	13.03	75	4919	1.870	ug/l	95
87) 1,2,4-Trichlorobenzene	13.87	180	21082	1.636	ug/l	98
88) Hexachlorobutadiene	14.04	225	25755	1.674	ug/l	97
89) Naphthalene	14.11	128	24271	1.565	ug/l	99
90) 1,2,3-Trichlorobenzene	14.36	180	22413	1.624	ug/l	100

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

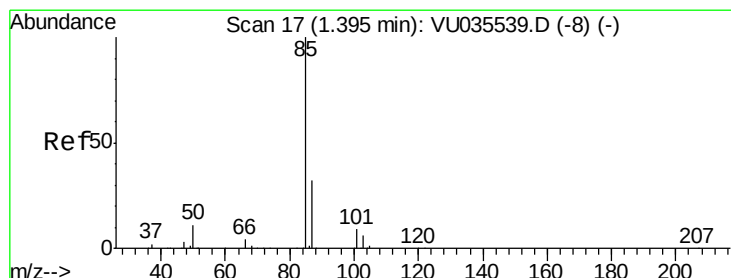
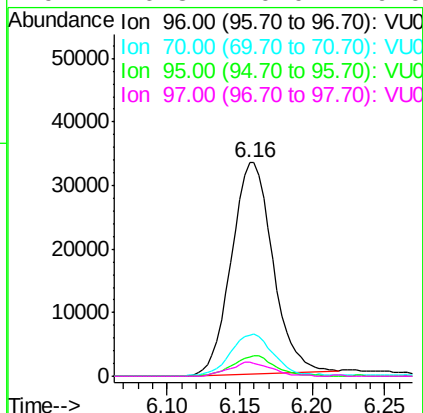
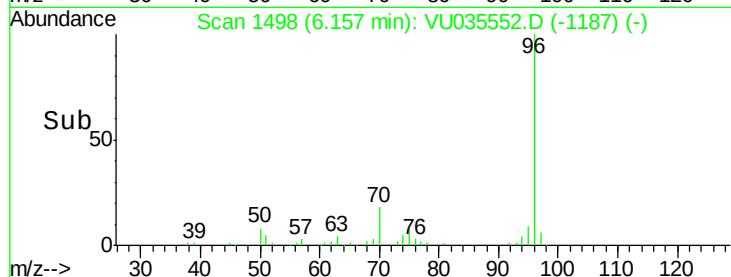
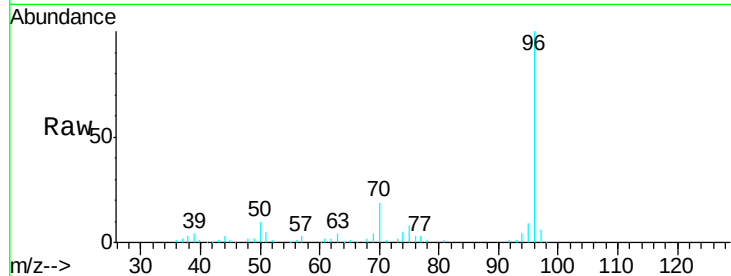
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
70	19.6	15.8	23.8
95	9.8	7.4	11.2
97	6.8	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.055 ug/l

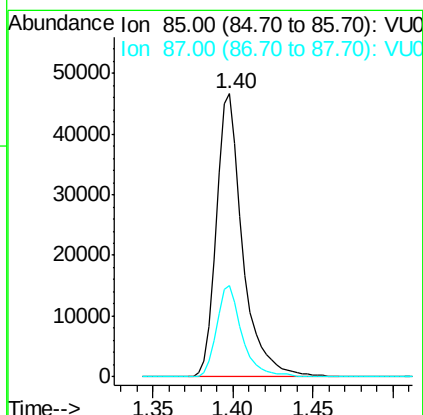
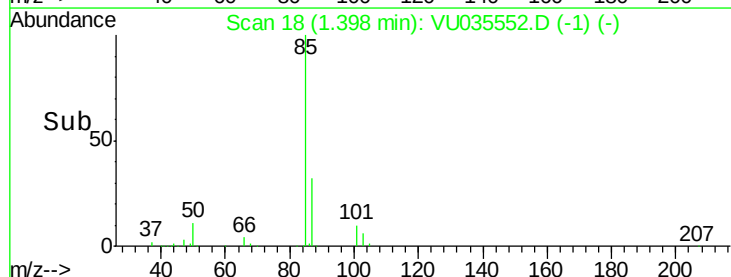
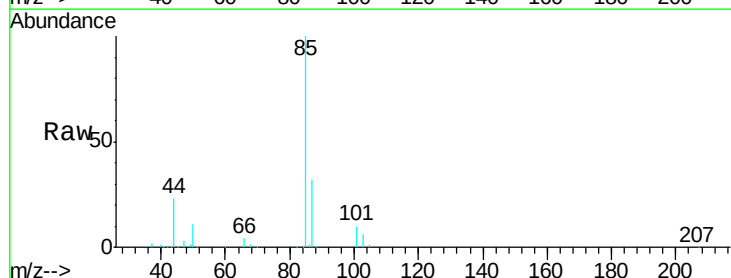
RT: 1.40 min Scan# 18

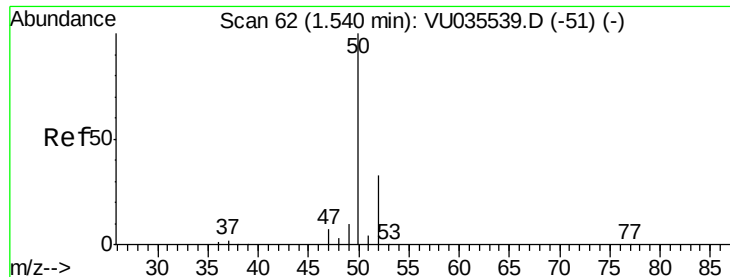
Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	15.8	47.4





#3

Chloromethane

Concen: 1.921 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 50 Resp: 60667

Ion Ratio Lower Upper

50 100

52 31.5 26.0 39.0

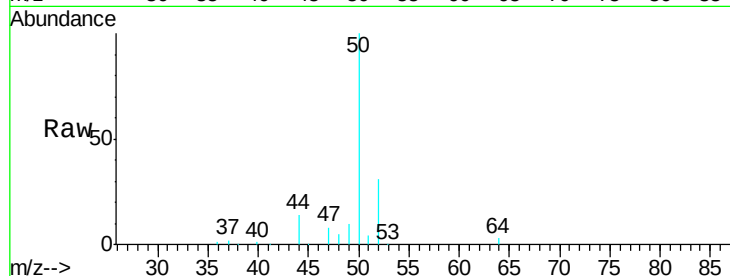
Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

1.54

50000

40000

30000

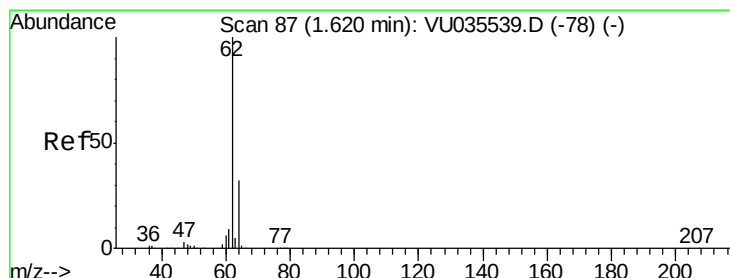
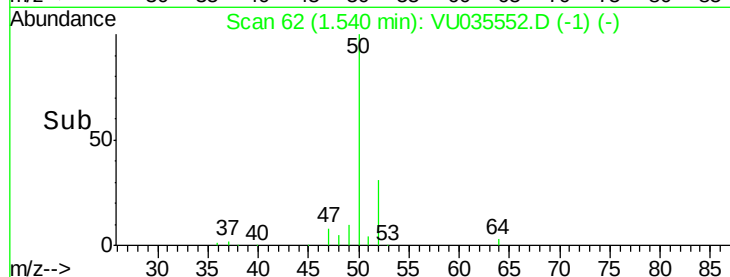
20000

10000

0

Time-->

1.50 1.55 1.60



#4

Vinyl Chloride

Concen: 1.972 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035552.D

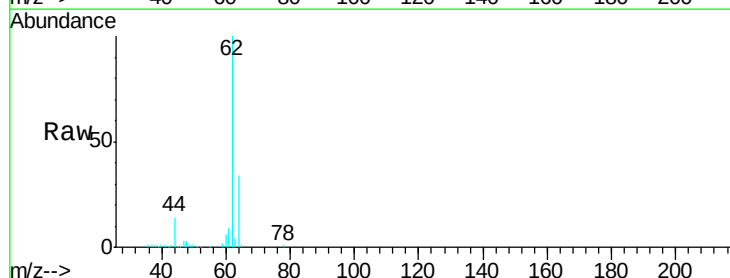
Acq: 30 Oct 2019 11:00

Tgt Ion: 62 Resp: 55193

Ion Ratio Lower Upper

62 100

64 30.8 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.62

50000

40000

30000

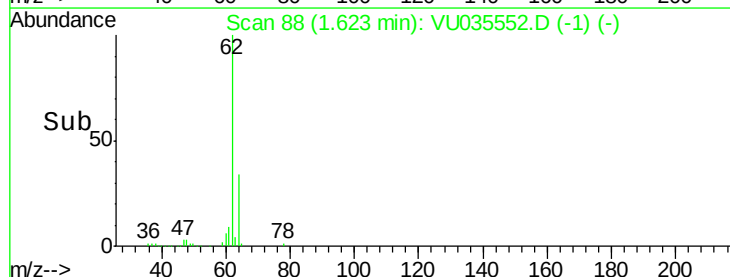
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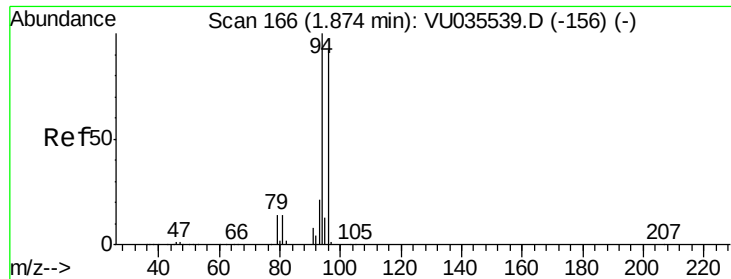
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Time-->

1.55 1.60 1.65 1.70





#5

Bromomethane

Concen: 1.904 ug/l

RT: 1.88 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 94 Resp: 27099

Ion Ratio Lower Upper

94 100

96 93.8 73.8 110.8

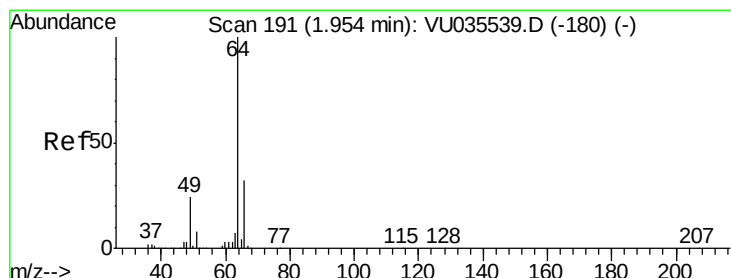
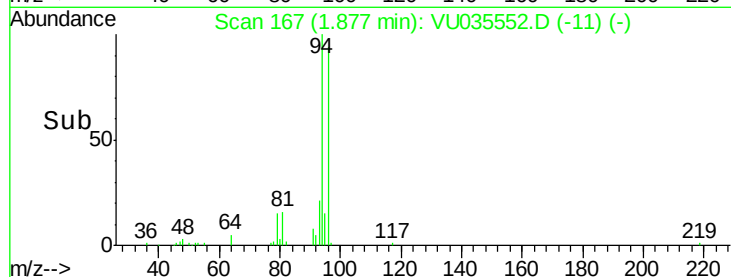
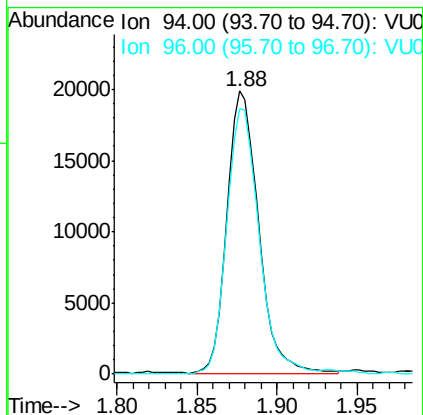
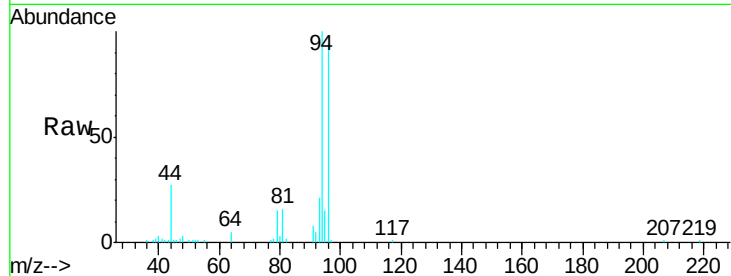
Manual Integrations

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#6

Chloroethane

Concen: 1.964 ug/l

RT: 1.96 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU035552.D

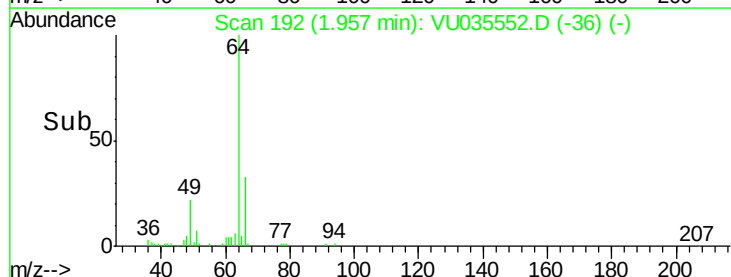
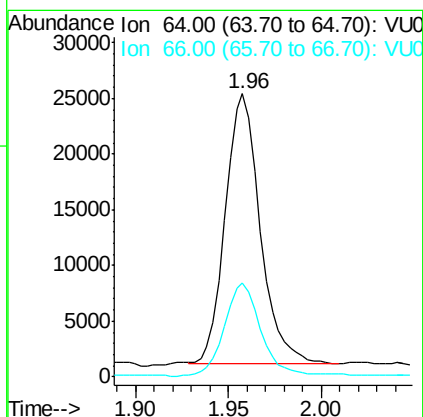
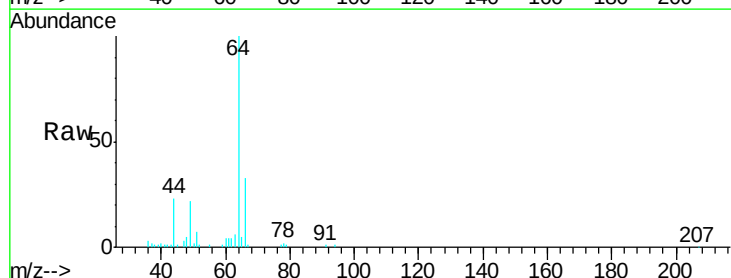
Acq: 30 Oct 2019 11:00

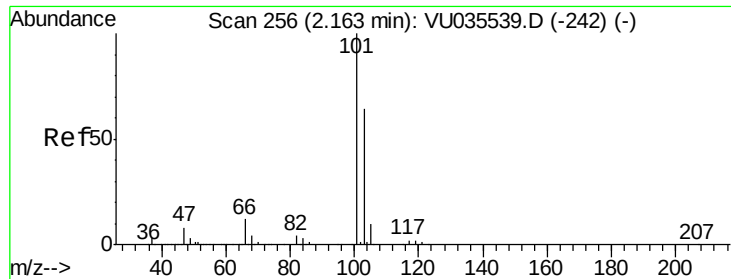
Tgt Ion: 64 Resp: 31601

Ion Ratio Lower Upper

64 100

66 33.8 25.9 38.9





#7

Trichlorofluoromethane
 Concen: 1.989 ug/l
 RT: 2.16 min Scan# 256
 Delta R.T. -0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

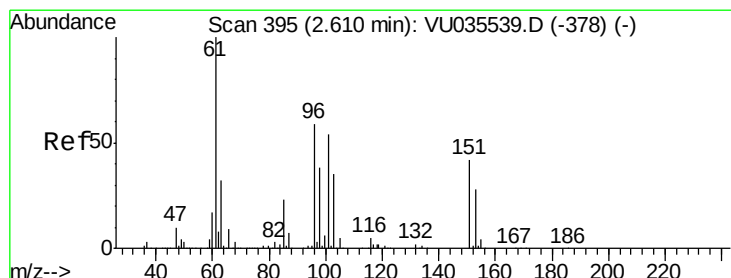
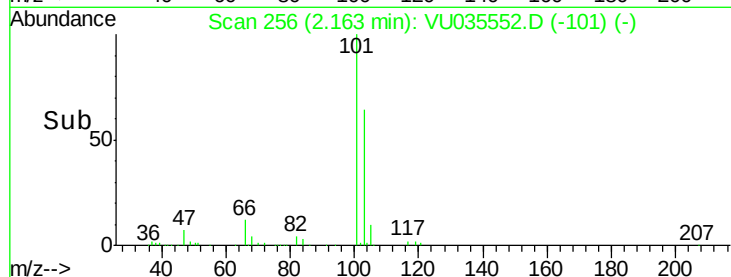
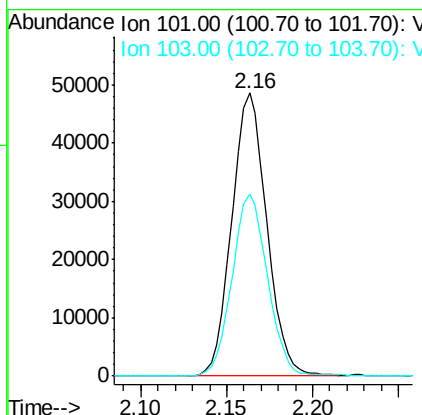
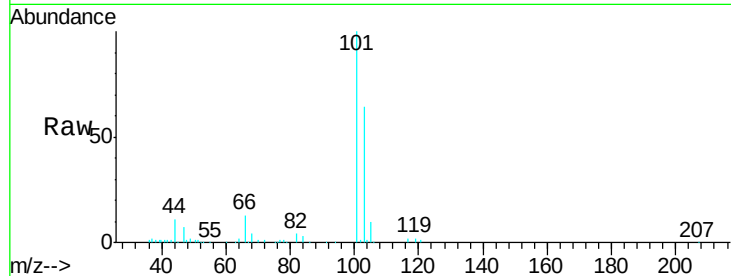
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion:101 Resp: 68808
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.0 76.6

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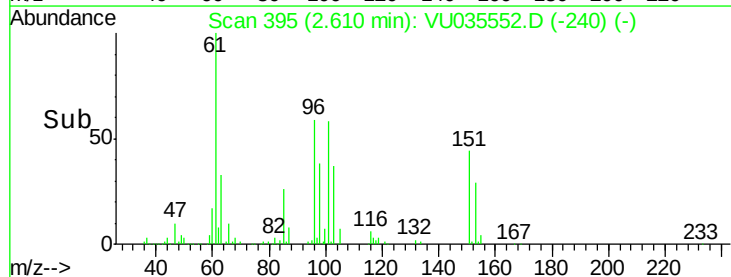
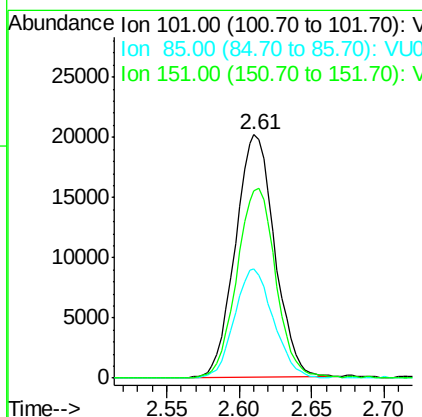
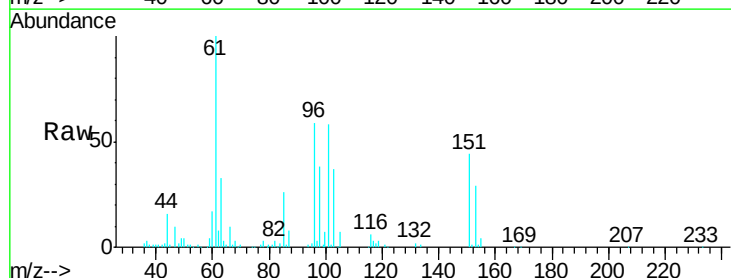
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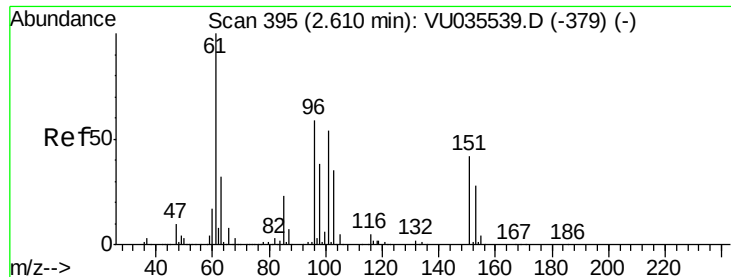


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.021 ug/l
 RT: 2.61 min Scan# 395
 Delta R.T. -0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion:101 Resp: 37892
 Ion Ratio Lower Upper
 101 100
 85 44.5 35.8 53.6
 151 77.7 61.8 92.6





#9

1,1-Dichloroethene

Concen: 1.929 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

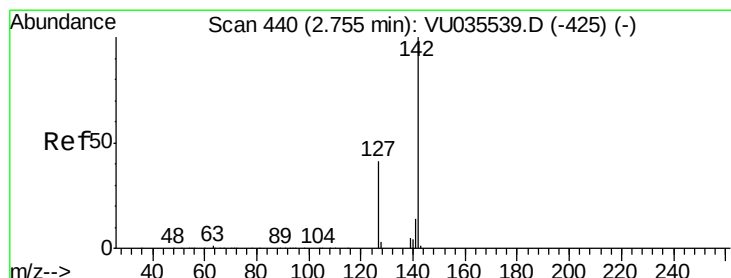
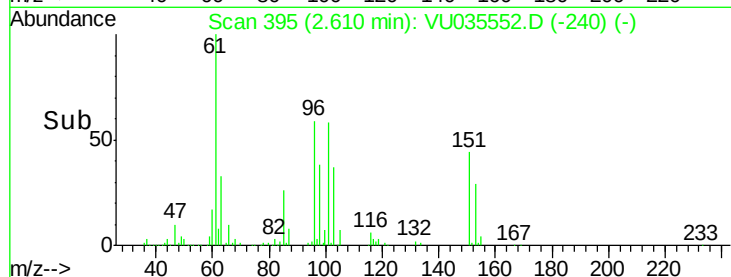
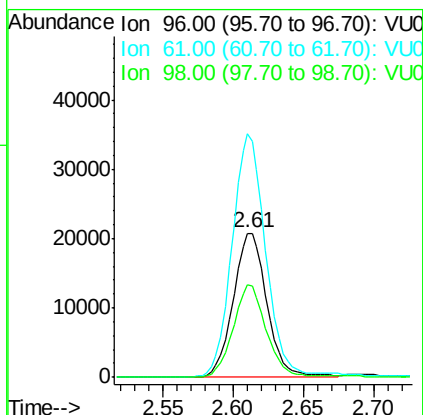
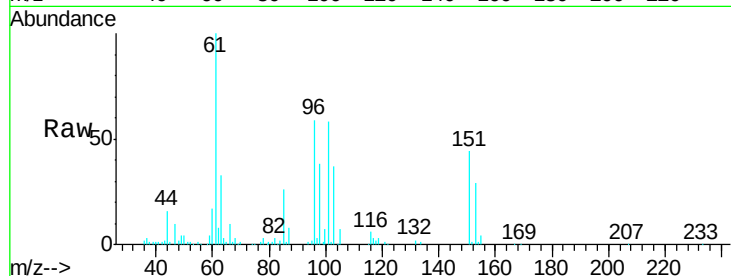
VU1030WBS01

Tgt Ion:	96	Resp:	34887
Ion	Ratio	Lower	Upper
96	100		
61	169.1	0.0	508.8
98	63.9	0.0	130.4

Manual Integrations
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#10

Iodomethane

Concen: 1.803 ug/l

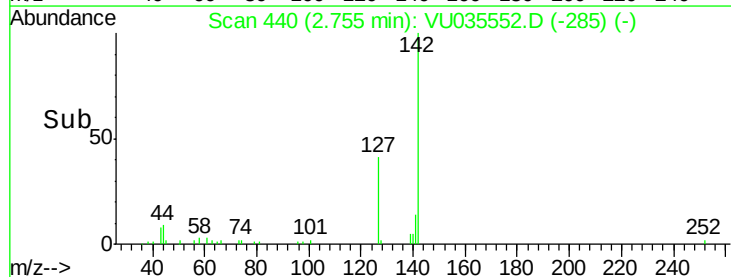
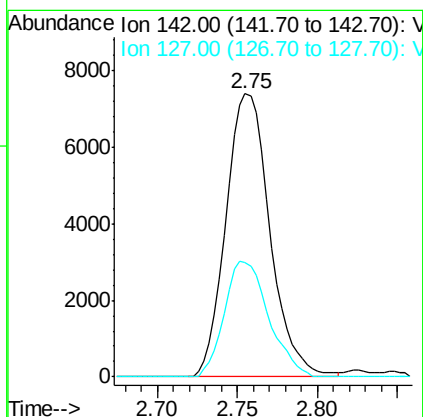
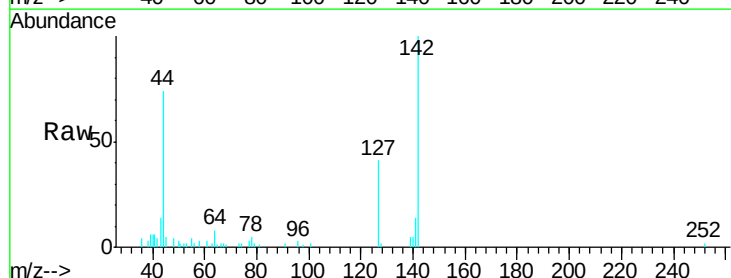
RT: 2.75 min Scan# 440

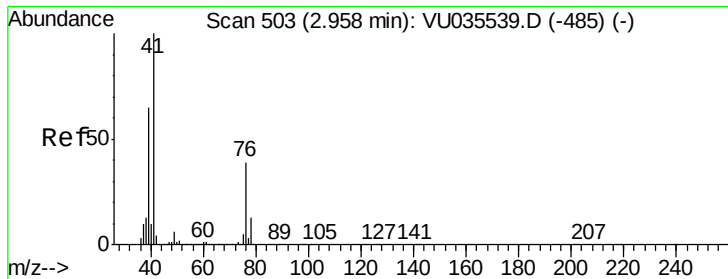
Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Tgt Ion:	142	Resp:	13886
Ion	Ratio	Lower	Upper
142	100		
127	41.0	33.4	50.0





#11
 Allyl Chloride
 Concen: 1.966 ug/l
 RT: 2.96 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

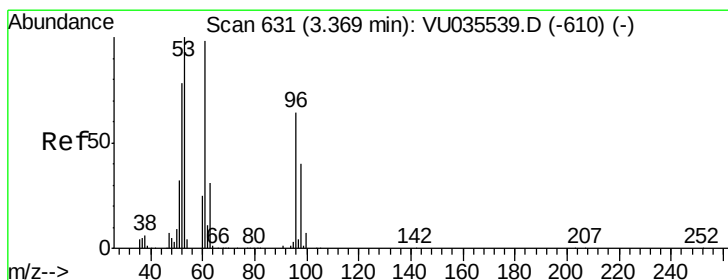
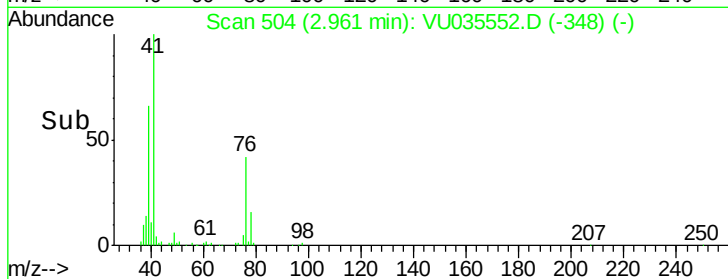
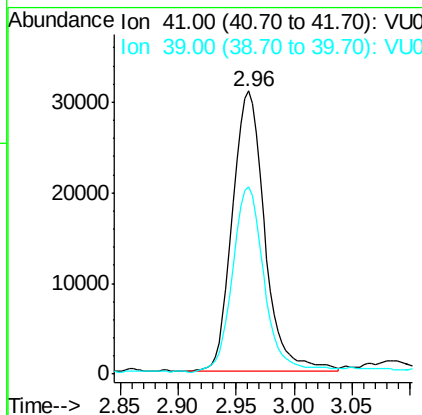
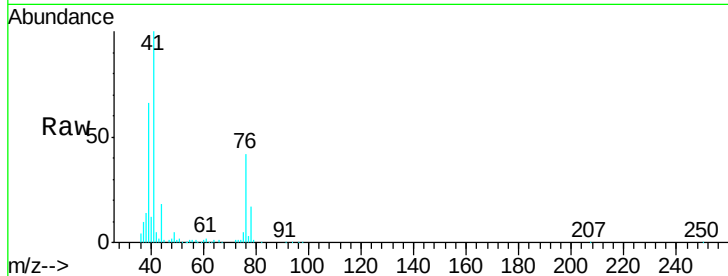
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion: 41 Resp: 59755
 Ion Ratio Lower Upper
 41 100
 39 64.8 52.0 78.0

Manual Integrations
 APPROVED

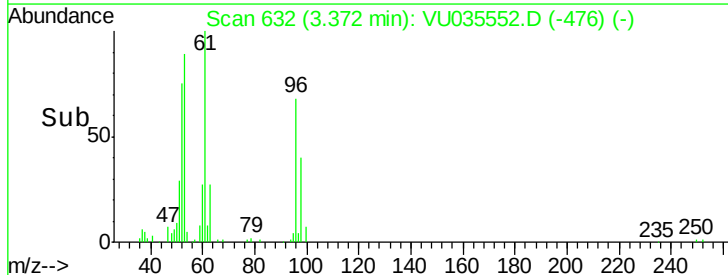
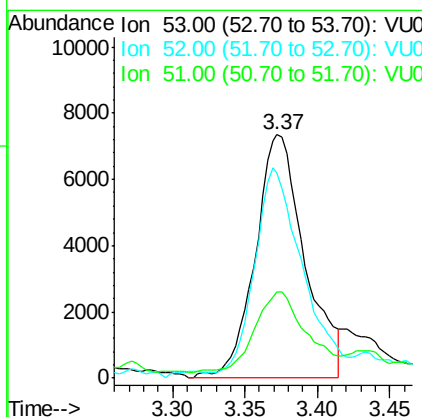
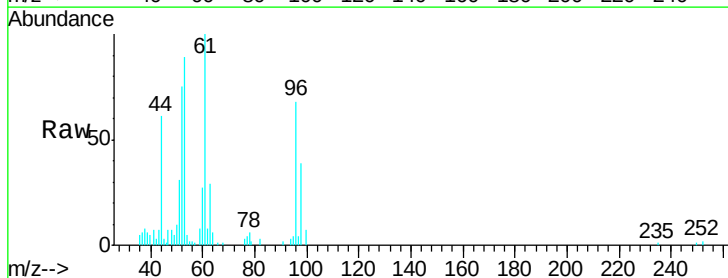
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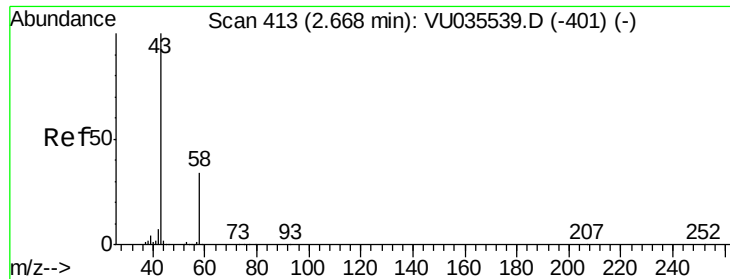
10/31/2019 4:09:20 PM



#12
 Acrylonitrile
 Concen: 3.833 ug/l m
 RT: 3.37 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion: 53 Resp: 17405
 Ion Ratio Lower Upper
 53 100
 52 80.7 67.4 101.0
 51 34.3 27.0 40.4





#13

Acetone

Concen: 8.716 ug/l

RT: 2.67 min Scan# 414

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 43 Resp: 38410

Ion Ratio Lower Upper

43 100

58 33.0 27.6 41.4

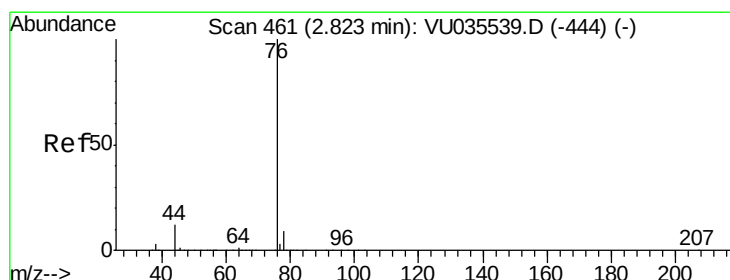
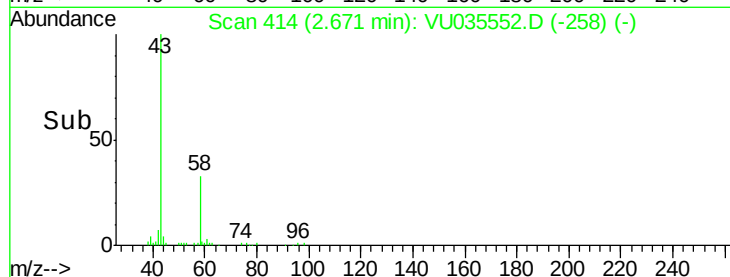
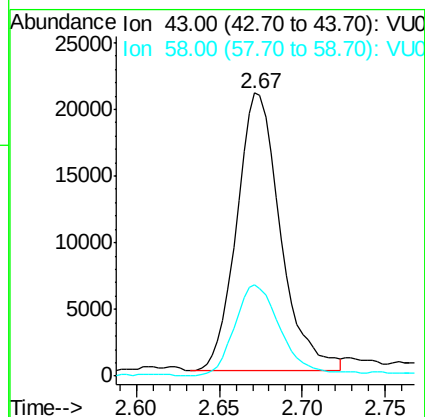
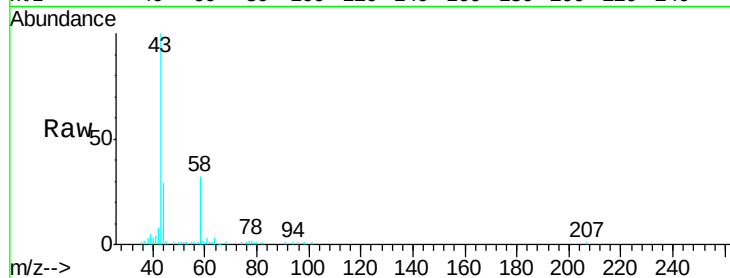
Manual Integrations

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#14

Carbon Disulfide

Concen: 1.978 ug/l

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035552.D

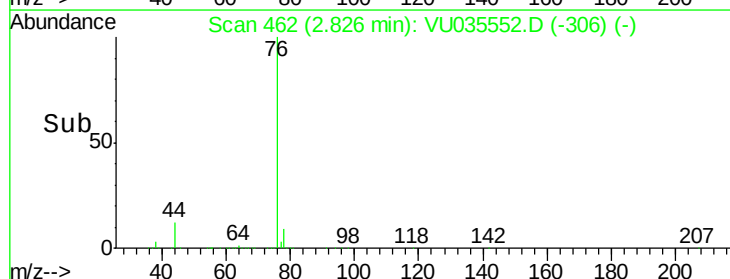
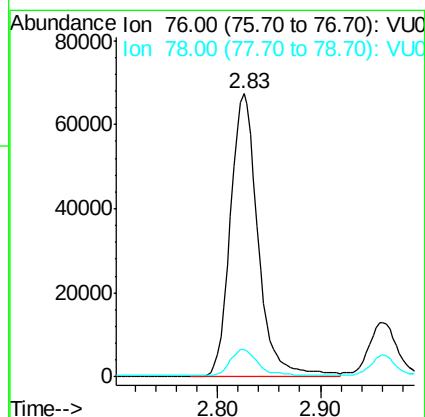
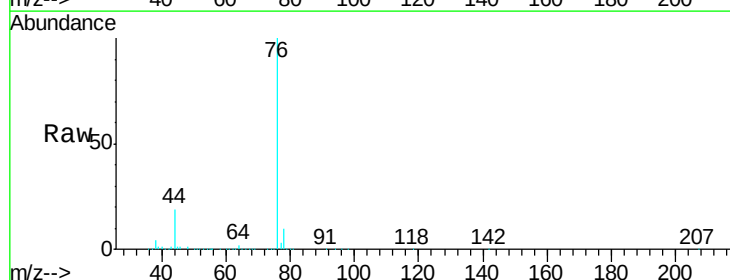
Acq: 30 Oct 2019 11:00

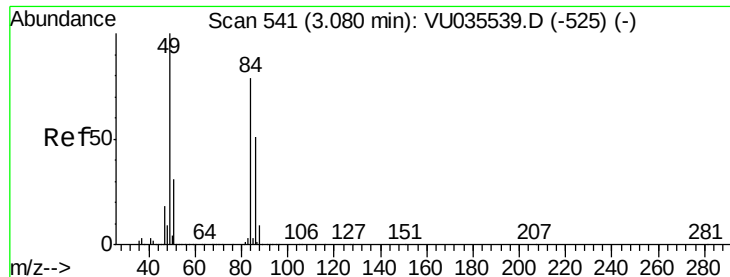
Tgt Ion: 76 Resp: 126470

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15
Methylene Chloride
Concen: 1.933 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

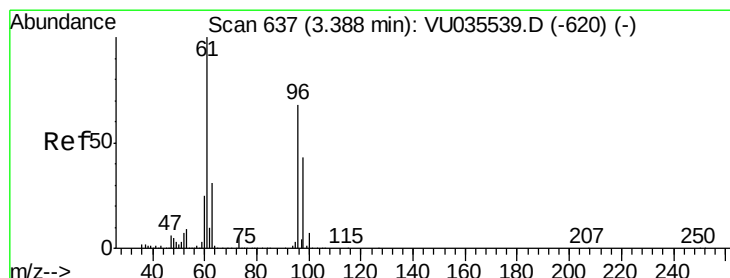
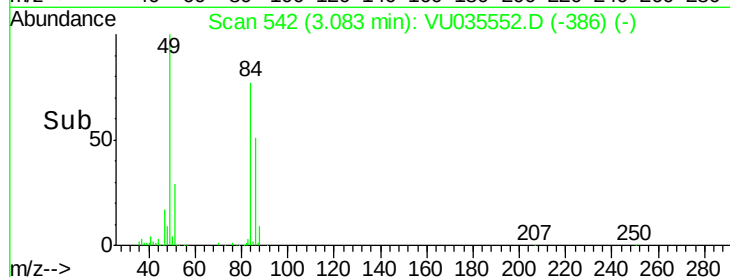
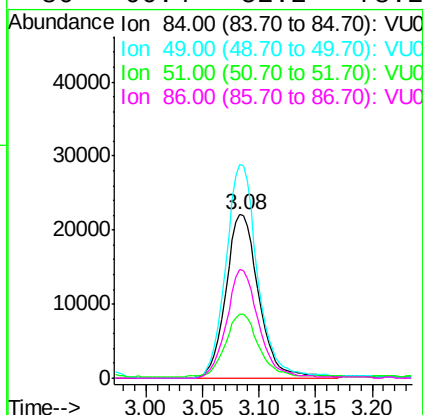
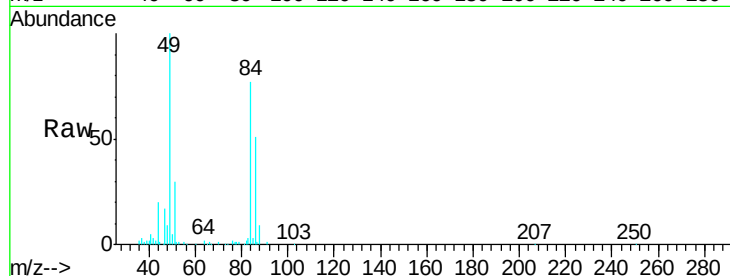
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.4	101.5	152.3
51	37.4	0.0	78.6
86	66.4	52.2	78.2

Manual Integrations
APPROVED

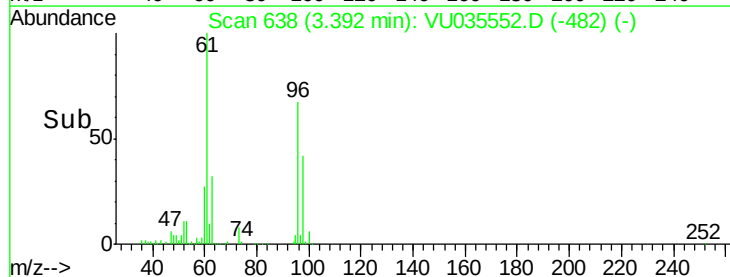
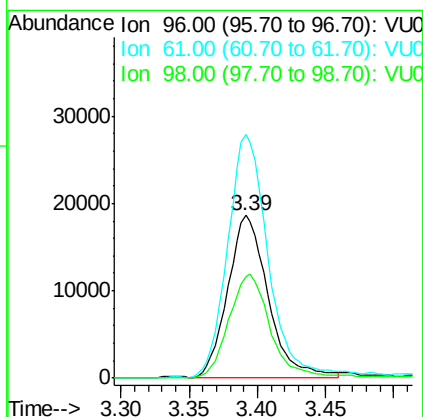
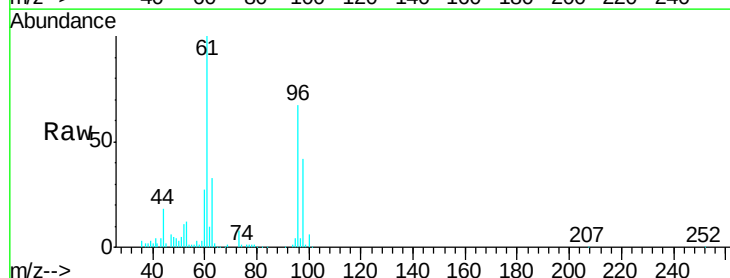
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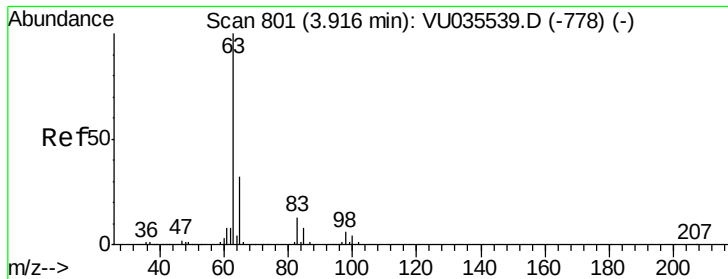
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#16
trans-1,2-Dichloroethene
Concen: 1.942 ug/l
RT: 3.39 min Scan# 638
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.1	117.8	176.8
98	62.6	50.2	75.2





#17

1,1-Dichloroethane

Concen: 2.037 ug/l

RT: 3.92 min Scan# 802

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

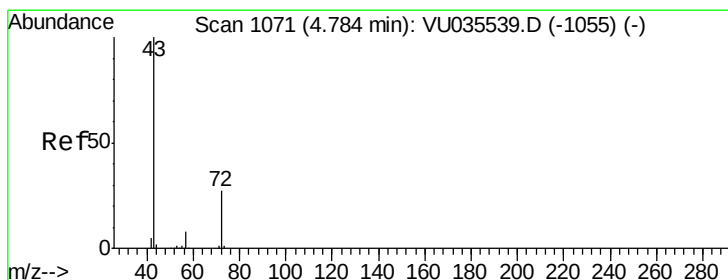
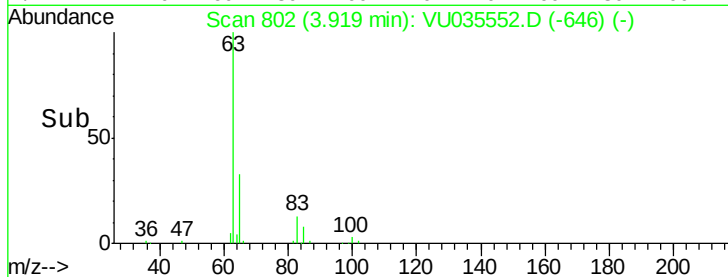
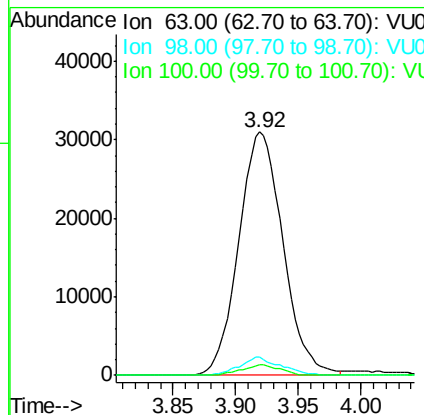
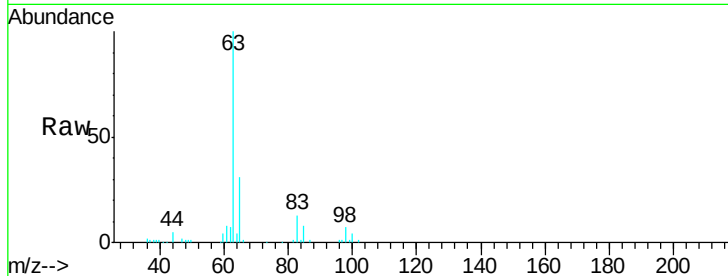
VU1030WBS01

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	7.3	3.1	9.3
100	4.2	2.1	6.3

Manual Integrations
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#18

2-Butanone

Concen: 8.335 ug/l

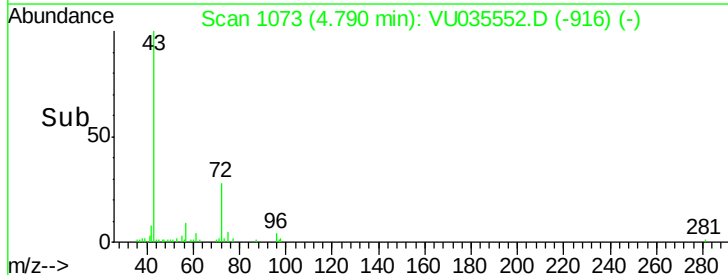
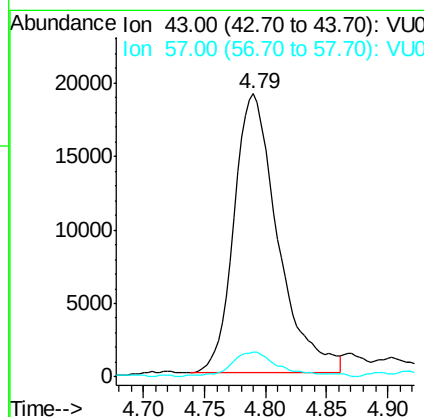
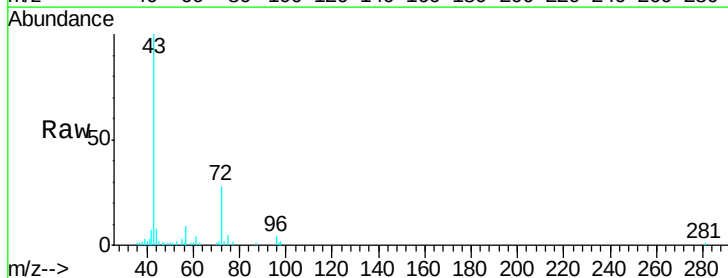
RT: 4.79 min Scan# 1073

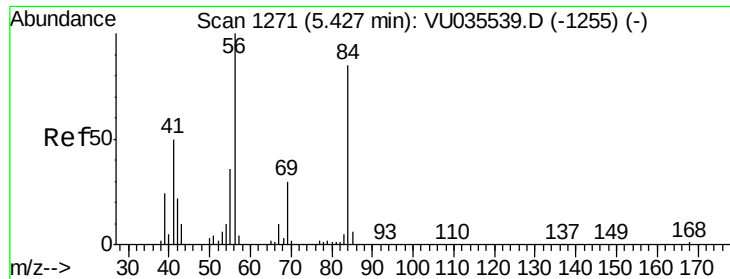
Delta R.T. 0.01 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	0.0	17.0





#19
Cyclohexane
Concen: 1.719 ug/l m
RT: 5.43 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

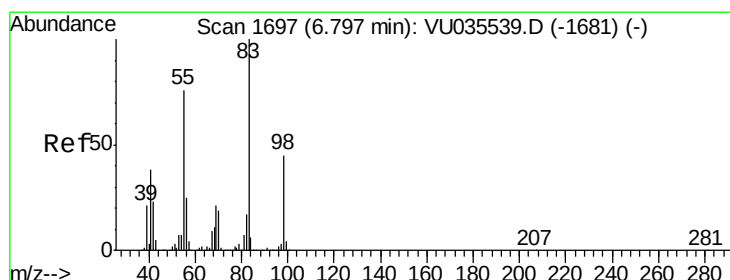
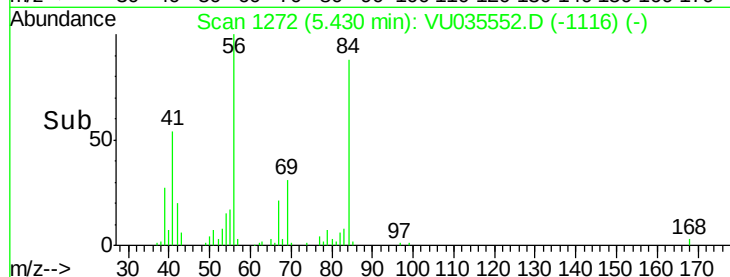
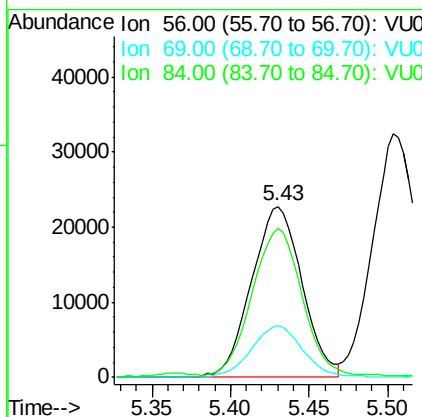
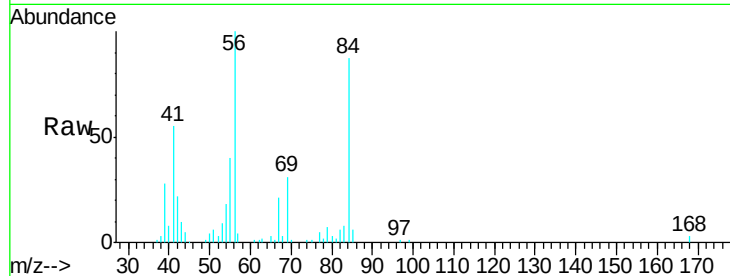
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.9	26.4	39.6
84	83.9	72.9	109.3

Manual Integrations
APPROVED

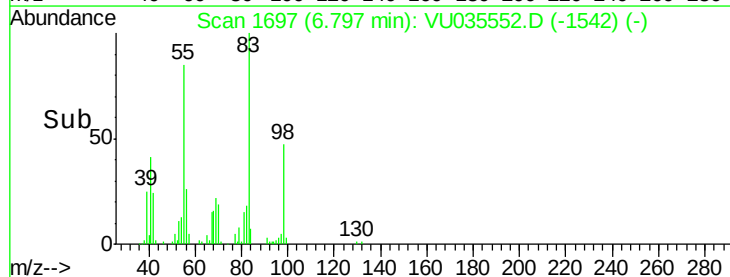
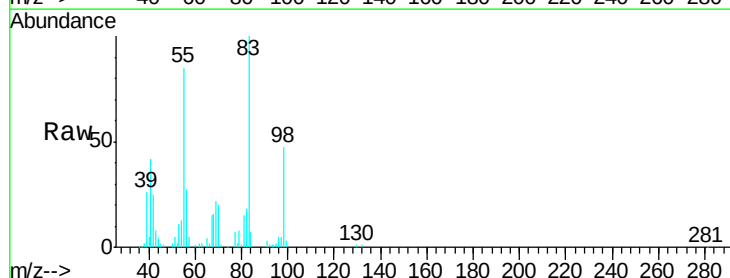
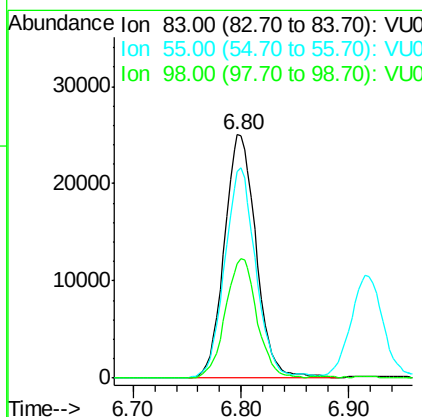
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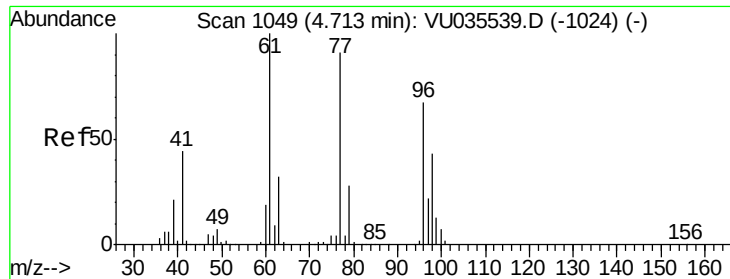
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#20
Methylcyclohexane
Concen: 1.697 ug/l
RT: 6.80 min Scan# 1697
Delta R.T. -0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.9	61.2	91.8
98	48.7	36.7	55.1





#21
 2,2-Dichloropropane
 Concen: 1.902 ug/l
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

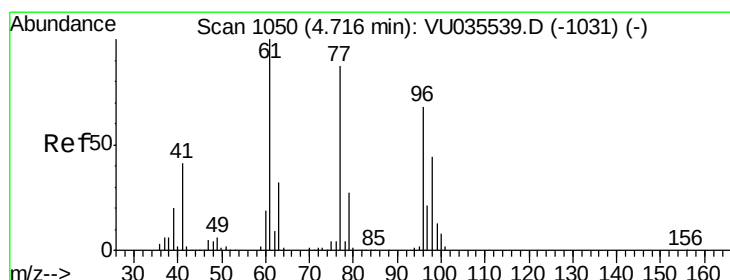
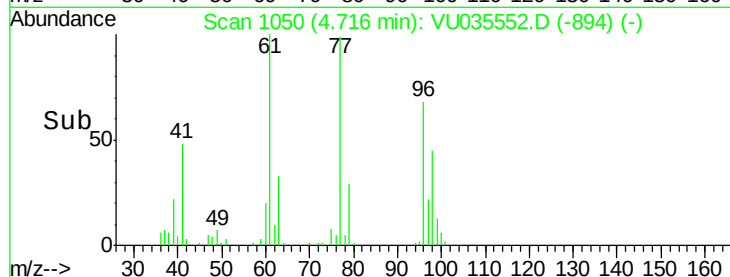
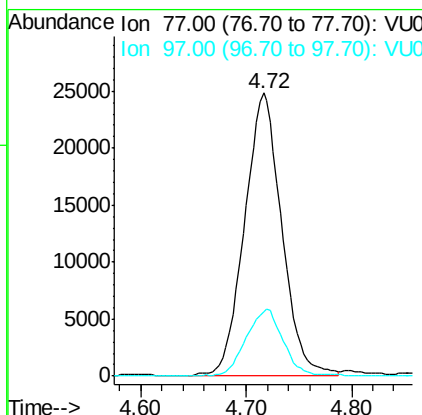
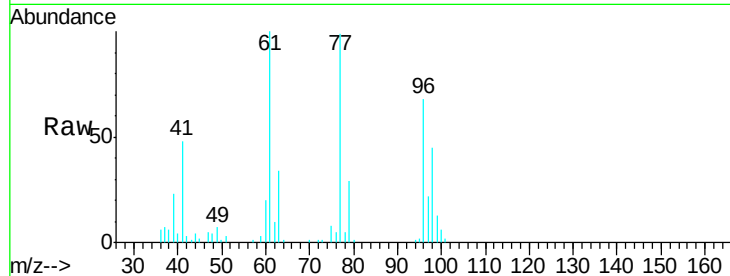
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion: 77 Resp: 61155
 Ion Ratio Lower Upper
 77 100
 97 23.3 18.8 28.2

Manual Integrations
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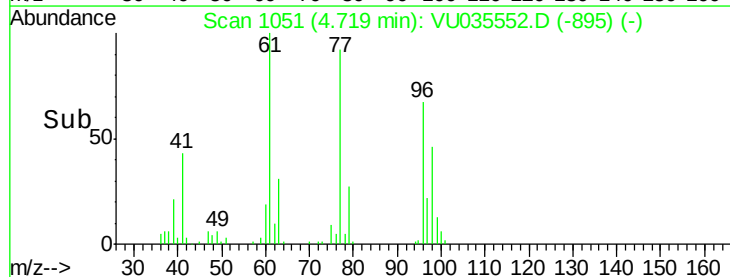
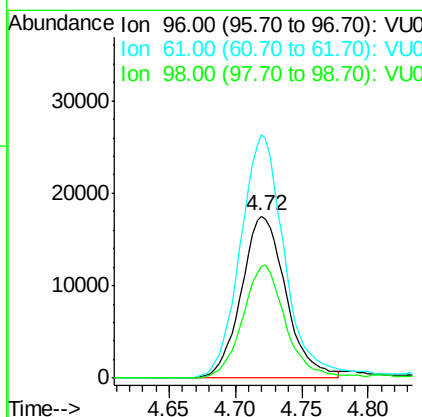
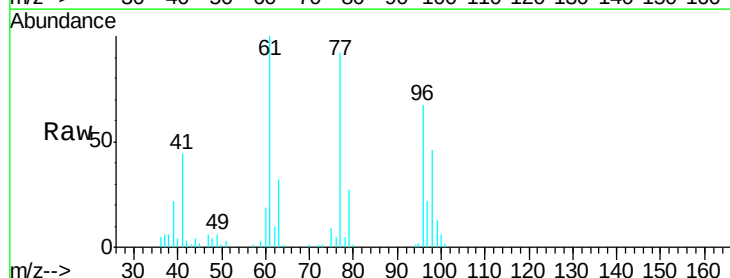
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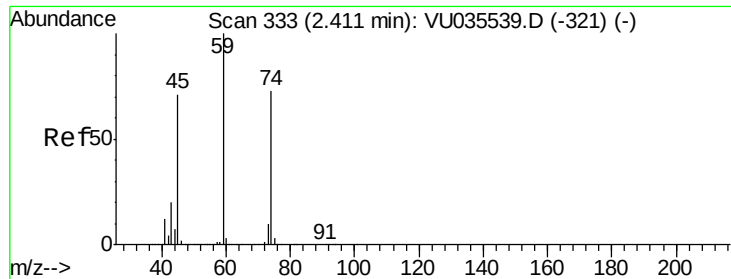
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#22
 cis-1,2-Dichloroethene
 Concen: 1.928 ug/l
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion: 96 Resp: 41052
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 370.5
 98 67.1 31.8 95.4





#23
Diethyl Ether
Concen: 1.959 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

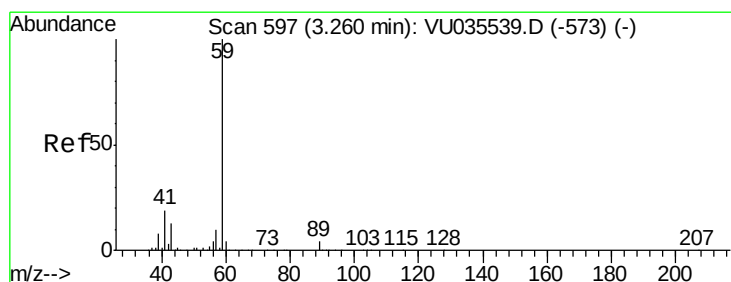
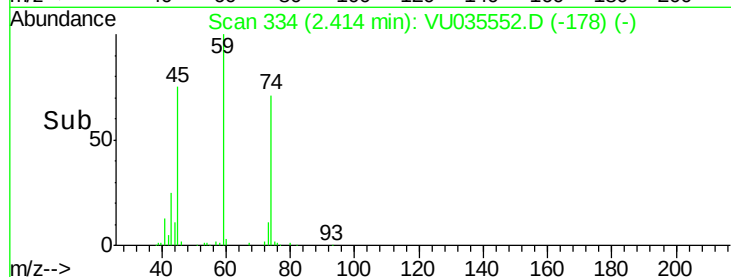
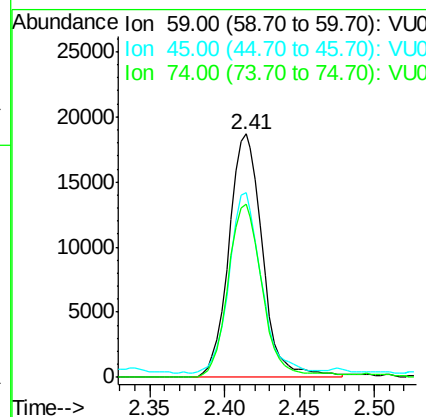
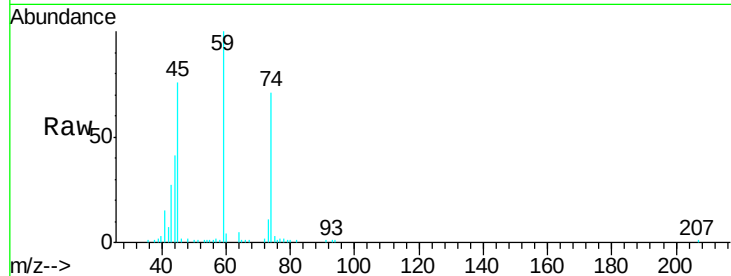
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
45	71.3	56.9	85.3
74	71.3	59.5	89.3

Manual Integrations
APPROVED

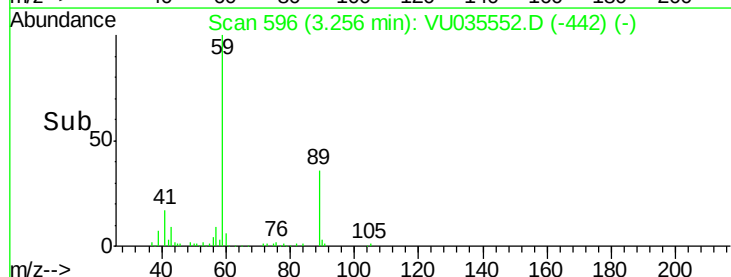
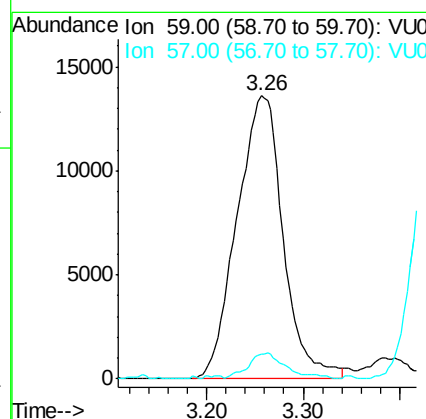
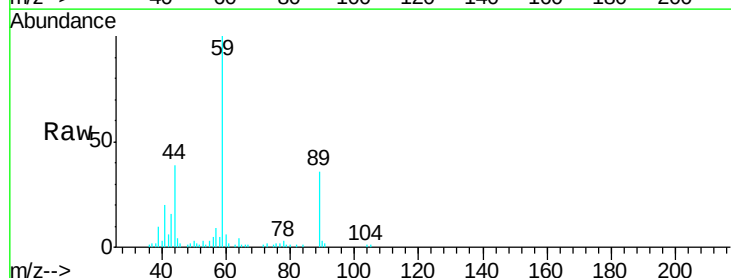
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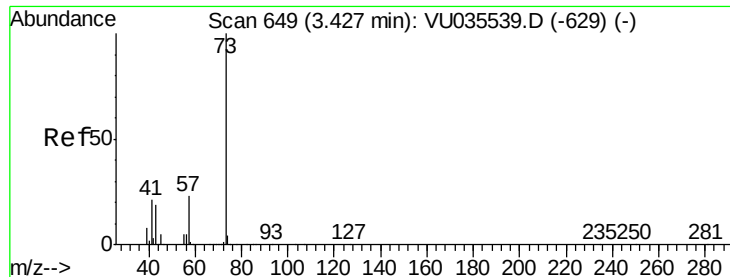
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#24
tert-Butyl Alcohol
Concen: 27.176 ug/l
RT: 3.26 min Scan# 596
Delta R.T. -0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.0	7.4	11.0#





#25
Methyl tert-Butyl Ether
Concen: 2.008 ug/l
RT: 3.43 min Scan# 649
Delta R.T. -0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

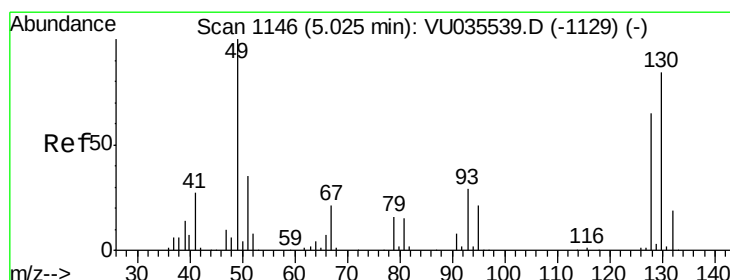
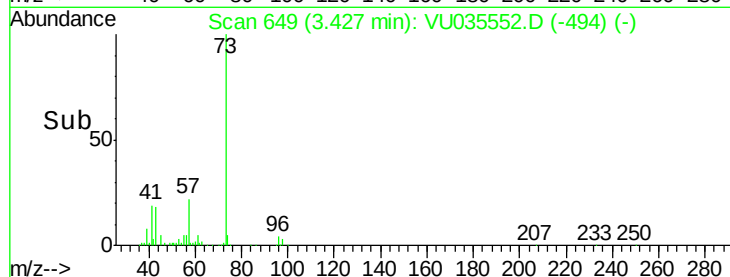
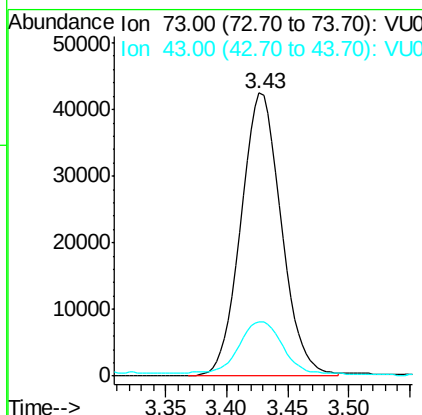
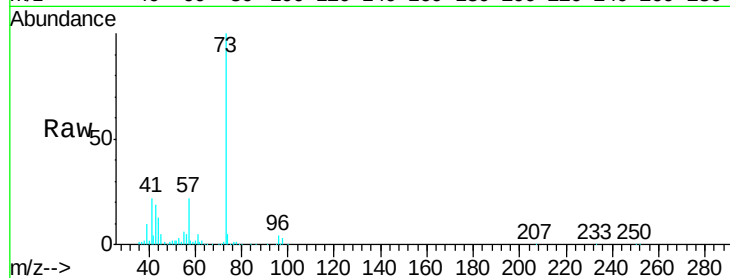
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion: 73 Resp: 97388
Ion Ratio Lower Upper
73 100
43 20.2 15.4 23.2

Manual Integrations
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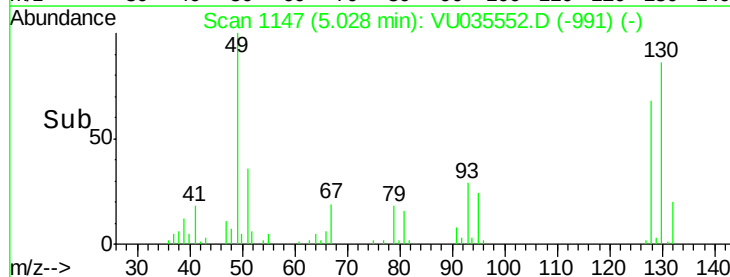
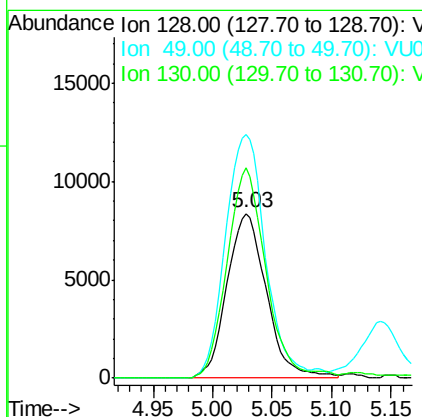
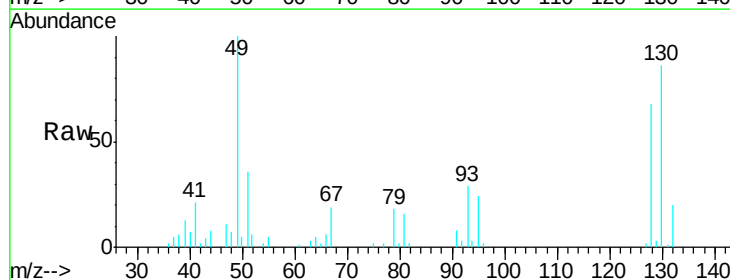
MMDadoda
10/31/2019 4:09:20 PM

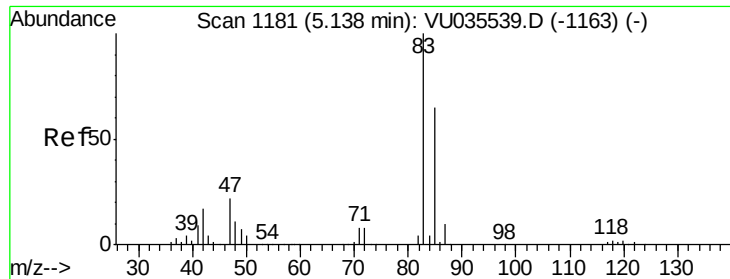
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#26
Bromochloromethane
Concen: 2.028 ug/l
RT: 5.03 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion: 128 Resp: 19276
Ion Ratio Lower Upper
128 100
49 149.3 0.0 309.0
130 124.3 101.8 152.8





#27
Chloroform
Concen: 1.971 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

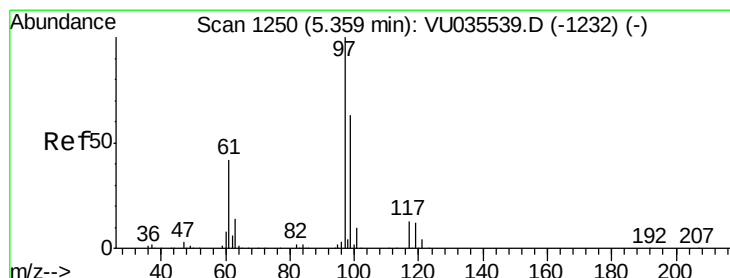
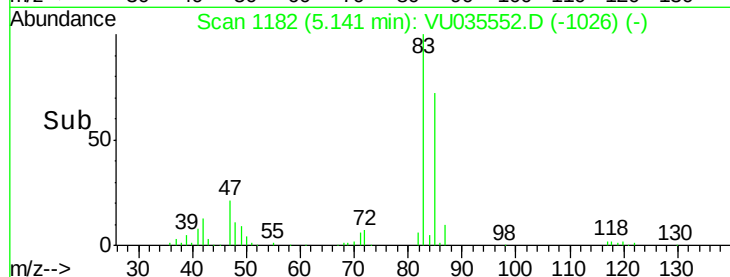
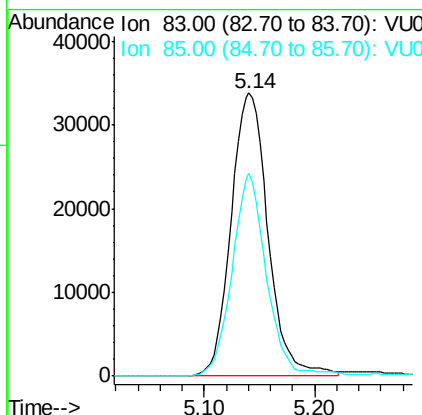
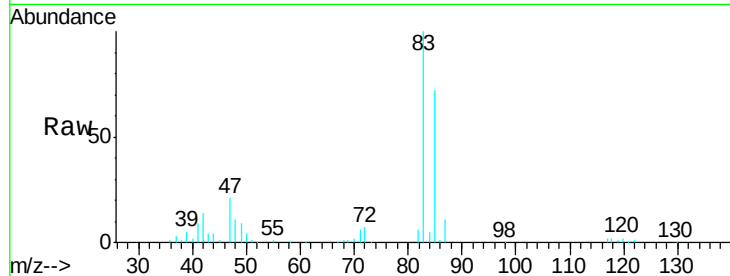
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion: 83 Resp: 78462
Ion Ratio Lower Upper
83 100
85 71.8 0.0 130.6

Manual Integrations
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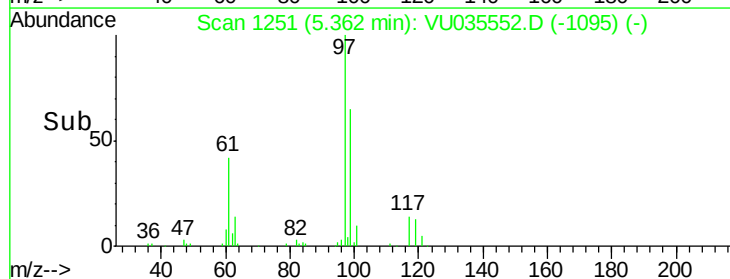
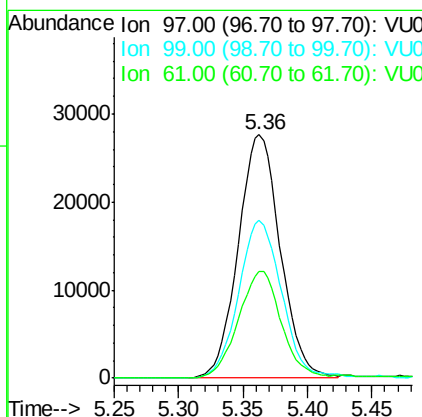
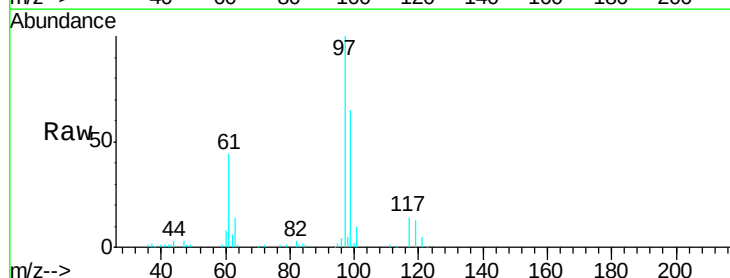
MMDadoda
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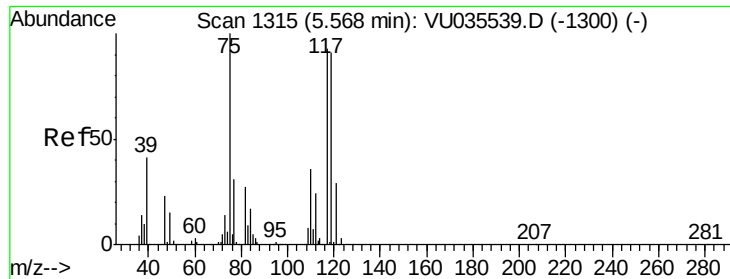
10/31/2019 4:09:20 PM



#28
1,1,1-Trichloroethane
Concen: 1.993 ug/l
RT: 5.36 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion: 97 Resp: 62862
Ion Ratio Lower Upper
97 100
99 66.3 32.6 97.7
61 44.6 21.8 65.4





#29

1,1-Dichloropropene

Concen: 1.837 ug/l

RT: 5.57 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 75 Resp: 48596

Ion Ratio Lower Upper

75 100

110 36.9 18.3 54.8

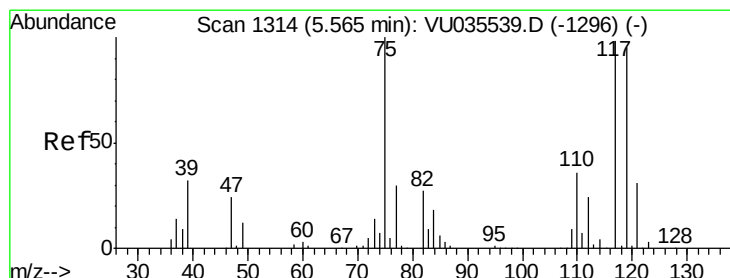
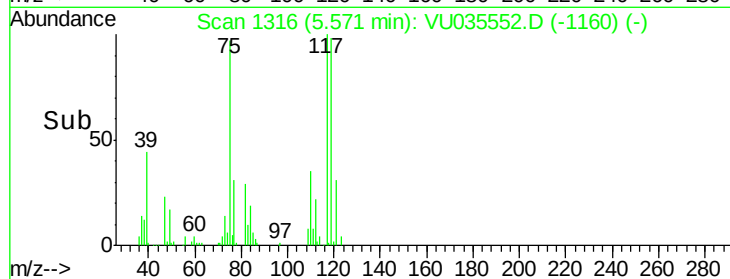
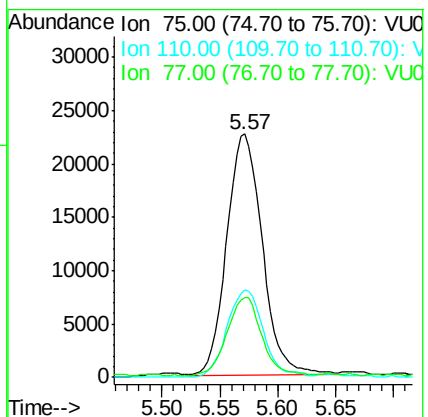
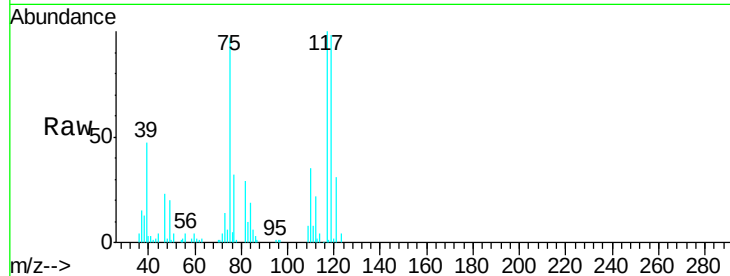
77 31.1 24.6 37.0

Manual Integrations
APPROVED

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#30

Carbon Tetrachloride

Concen: 1.989 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

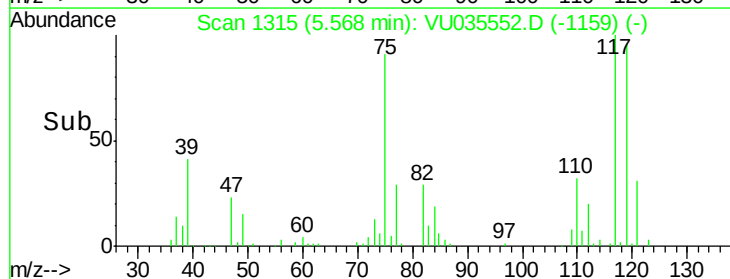
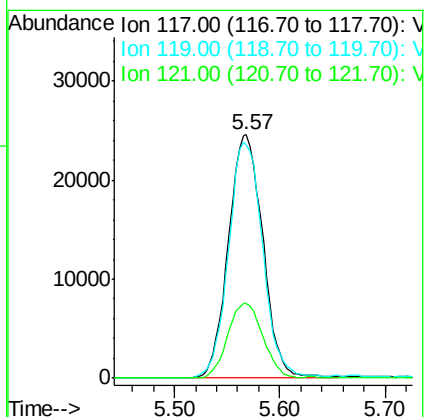
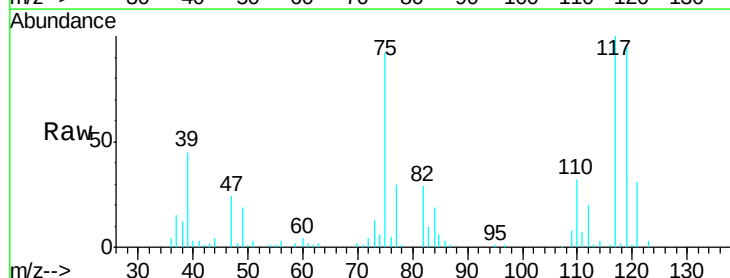
Tgt Ion: 117 Resp: 55799

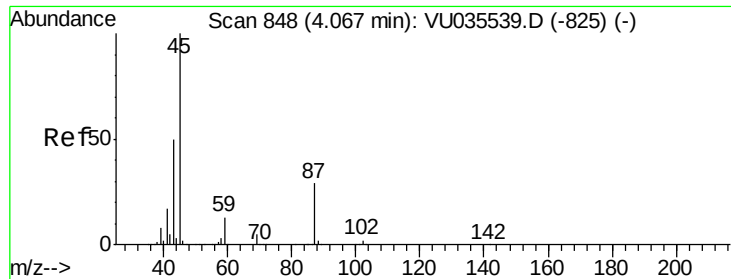
Ion Ratio Lower Upper

117 100

119 95.7 77.3 115.9

121 30.9 25.2 37.8





#31

Isopropyl Ether

Concen: 1.843 ug/l

RT: 4.07 min Scan# 848

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 45 Resp: 95879

Ion Ratio Lower Upper

45 100

43 55.7 25.3 75.8

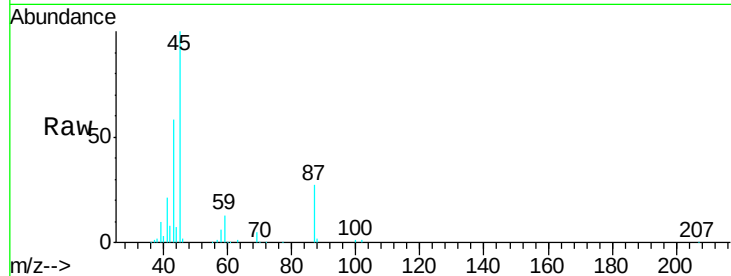
Manual Integrations

APPROVED

MMDadoda

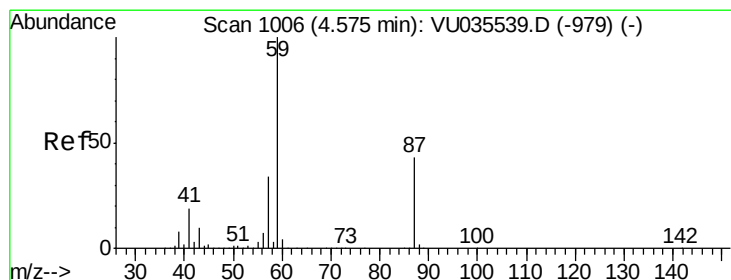
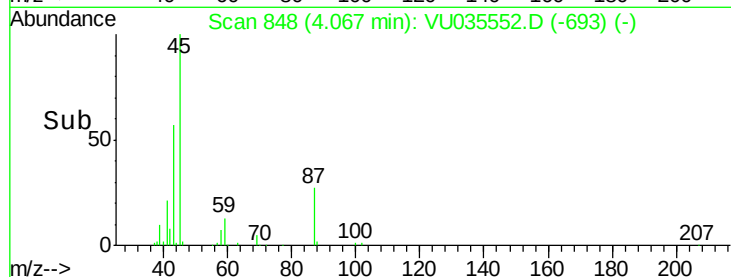
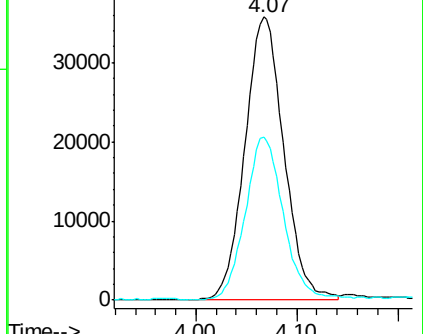
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Abundance Ion 45.00 (44.70 to 45.70): VU035539.D (-825) (-)

Ion 43.00 (42.70 to 43.70): VU035539.D (-825) (-)



#32

Ethyl-t-butyl ether

Concen: 1.852 ug/l

RT: 4.57 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VU035552.D

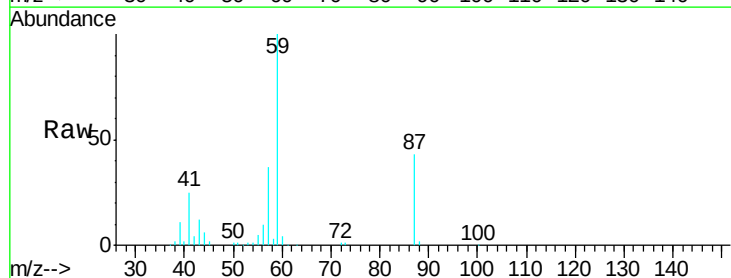
Acq: 30 Oct 2019 11:00

Tgt Ion: 59 Resp: 89206

Ion Ratio Lower Upper

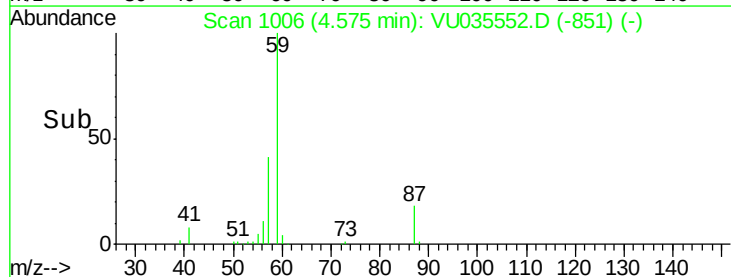
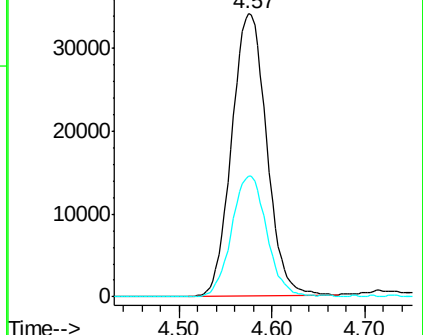
59 100

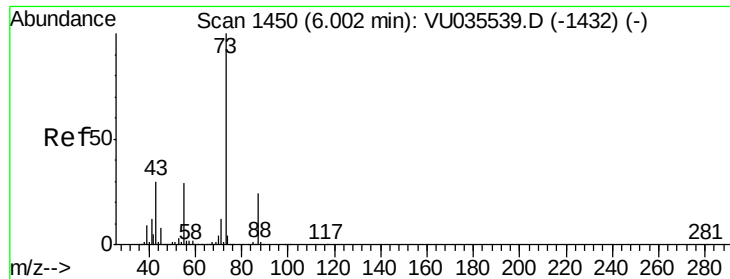
87 42.6 33.9 50.9



Abundance Ion 59.00 (58.70 to 59.70): VU035539.D (-979) (-)

Ion 87.00 (86.70 to 87.70): VU035539.D (-979) (-)





#33
Tert-Amyl methyl ether
Concen: 1.824 ug/l
RT: 6.01 min Scan# 1451
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

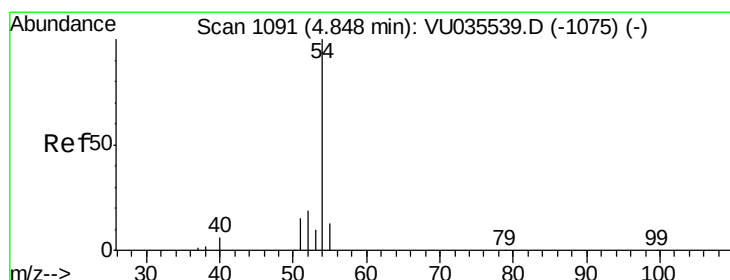
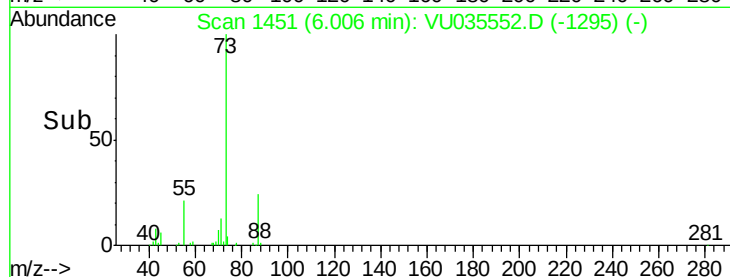
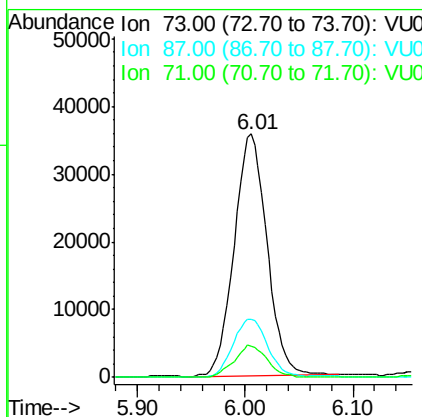
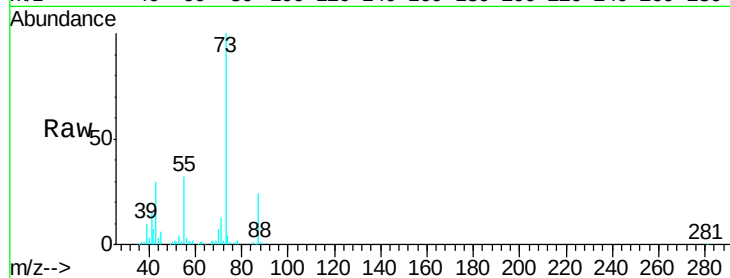
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.9	19.5	29.3
71	13.2	9.4	14.2

Manual Integrations
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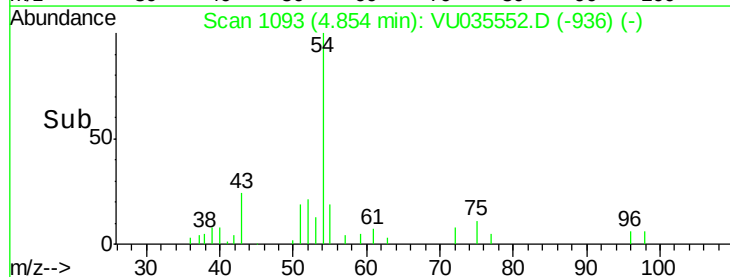
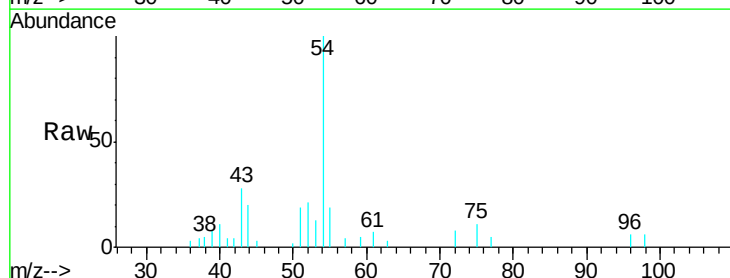
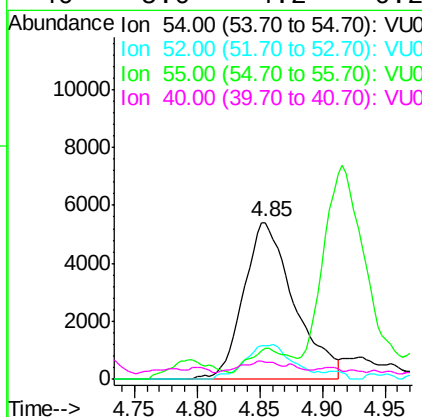
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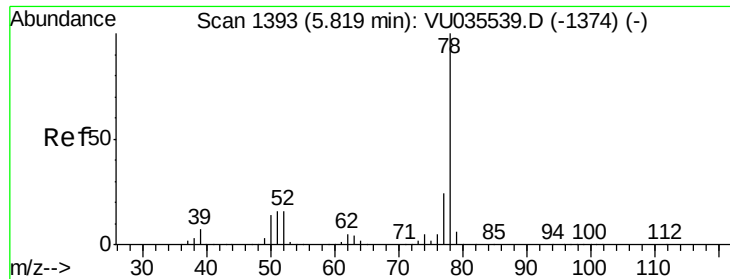
10/31/2019 4:09:20 PM



#34
Propionitrile
Concen: 9.154 ug/l
RT: 4.85 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.9	14.6	21.8
55	11.7	11.7	17.5
40	5.0	4.2	6.2





#35

Benzene

Concen: 1.965 ug/l

RT: 5.82 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 78 Resp: 158557

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4

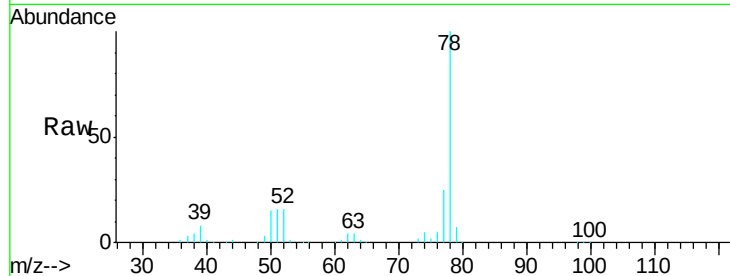
Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.82

80000

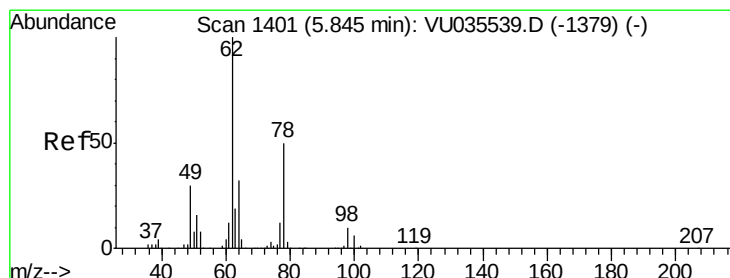
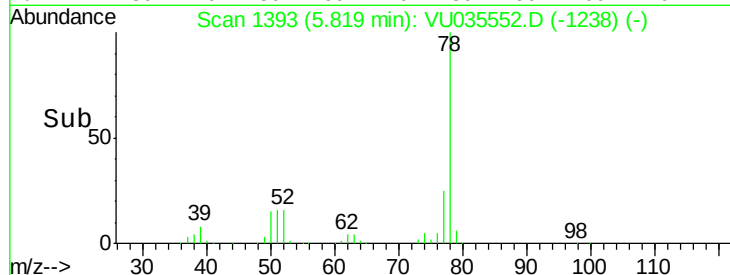
60000

40000

20000

0

Time-->



#36

1,2-Dichloroethane

Concen: 1.974 ug/l

RT: 5.84 min Scan# 1401

Delta R.T. -0.00 min

Lab File: VU035552.D

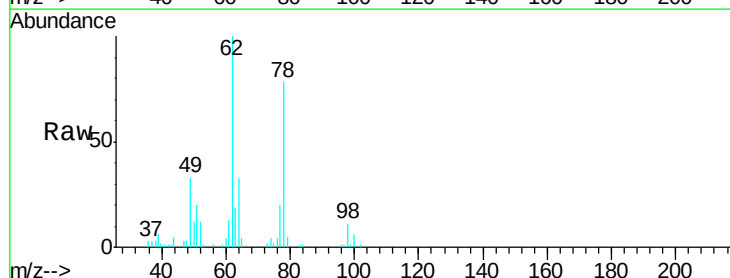
Acq: 30 Oct 2019 11:00

Tgt Ion: 62 Resp: 45656

Ion Ratio Lower Upper

62 100

98 9.6 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.84

20000

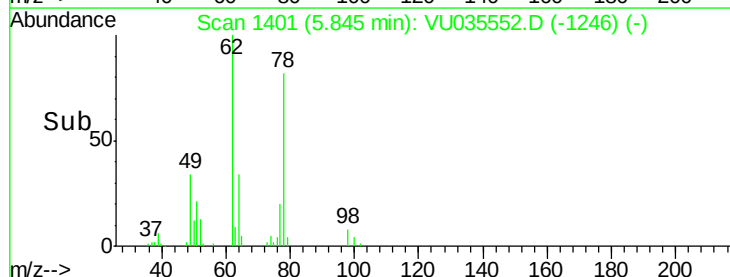
15000

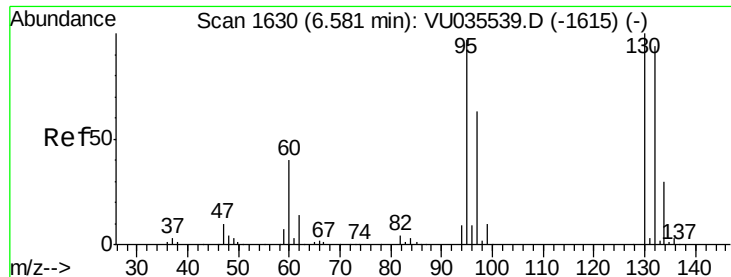
10000

5000

0

Time-->





#37
 Trichloroethene
 Concen: 1.810 ug/l
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

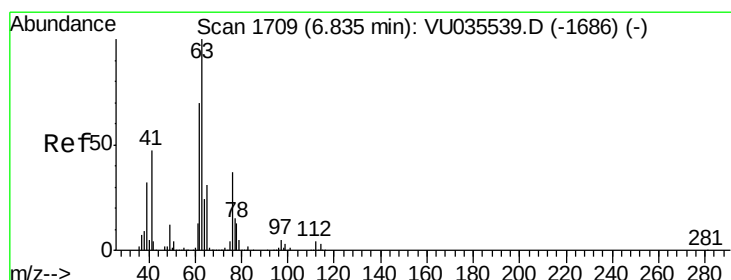
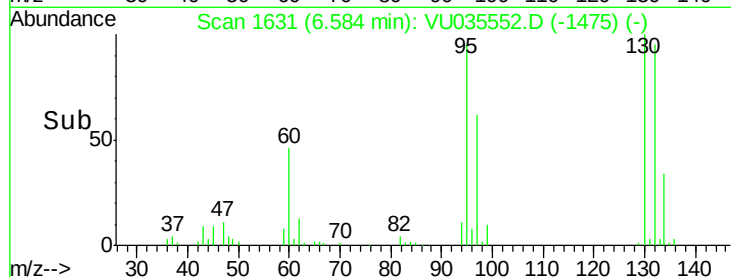
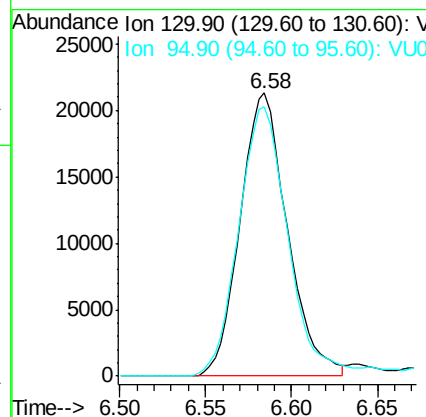
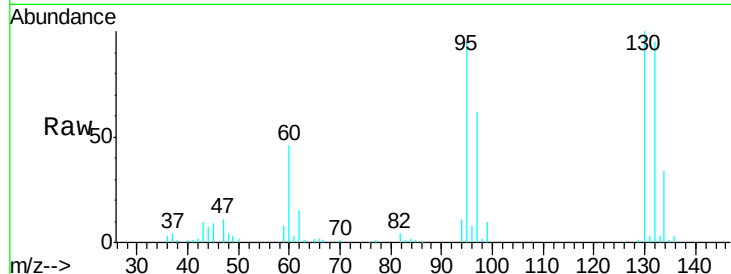
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion:130 Resp: 40577
 Ion Ratio Lower Upper
 130 100
 95 95.2 77.5 116.3

Manual Integrations
 APPROVED

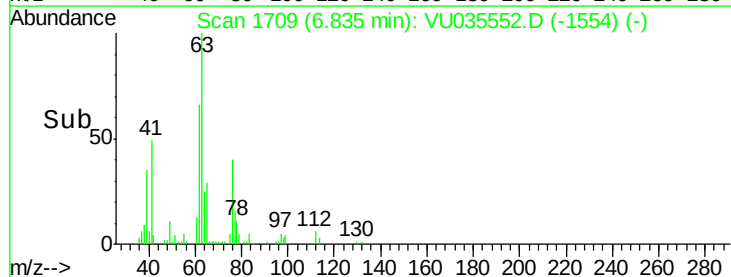
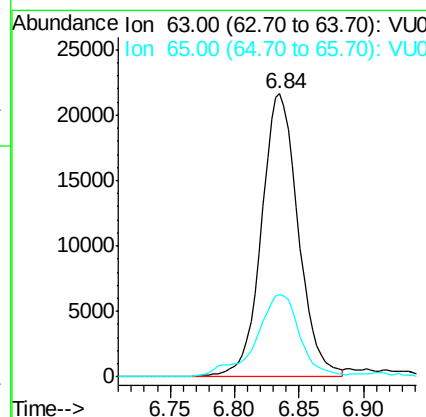
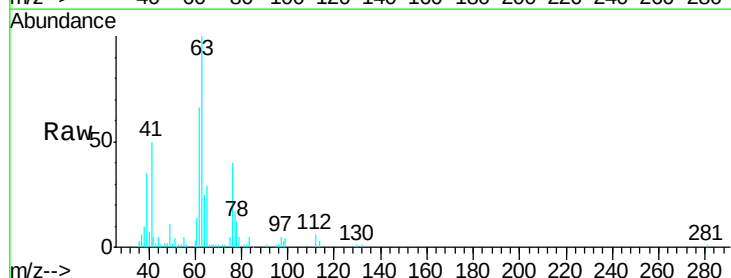
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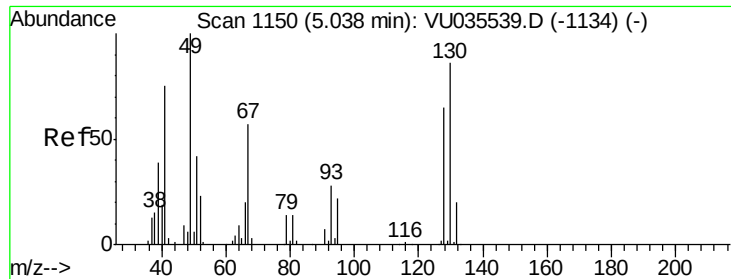
10/31/2019 4:09:20 PM



#38
 1,2-Dichloropropane
 Concen: 1.948 ug/l
 RT: 6.84 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion: 63 Resp: 43115
 Ion Ratio Lower Upper
 63 100
 65 29.1 25.0 37.6





#39
Methacrylonitrile
Concen: 1.699 ug/l
RT: 5.04 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

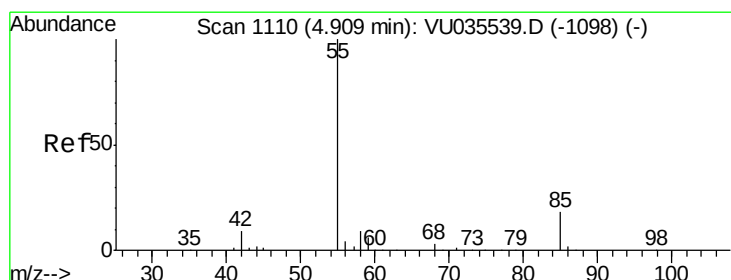
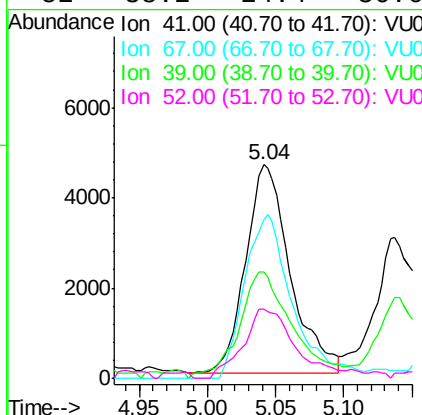
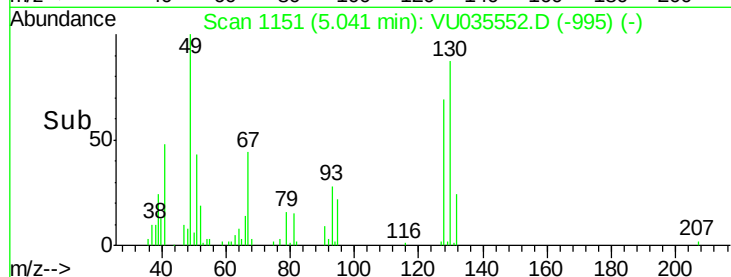
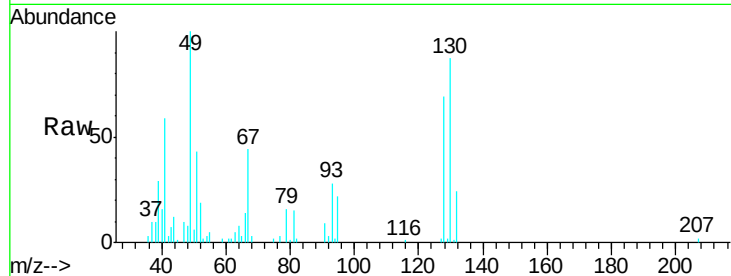
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Resp Lower	Upper
41	100		
67	83.4	61.5	92.3
39	60.5	41.3	61.9
52	38.2	24.4	36.6#

Manual Integrations
APPROVED

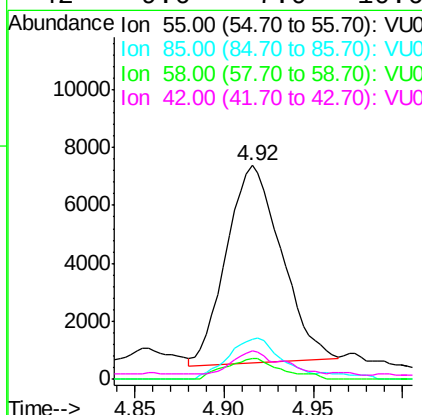
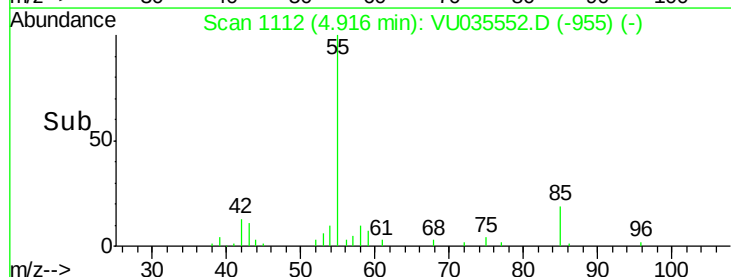
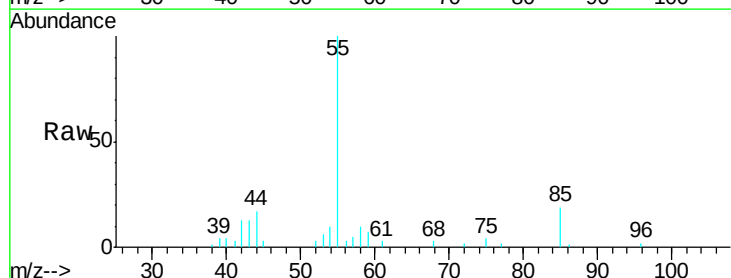
MMDadoda
10/31/2019 4:09:20 PM

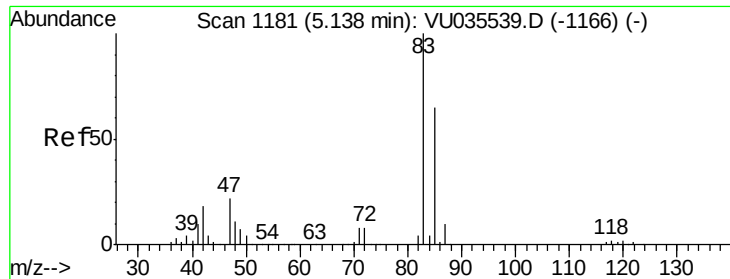
10/31/2019 4:09:20 PM



#40
Methyl acrylate
Concen: 1.556 ug/l
RT: 4.92 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Resp Lower	Upper
55	100		
85	21.9	13.5	20.3#
58	10.4	6.6	10.0#
42	9.6	7.0	10.6





#41
Tetrahydrofuran
Concen: 3.654 ug/l
RT: 5.14 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

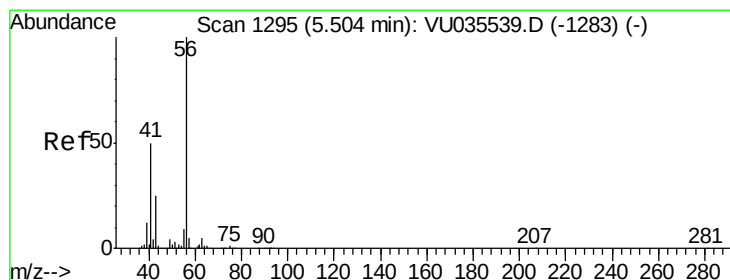
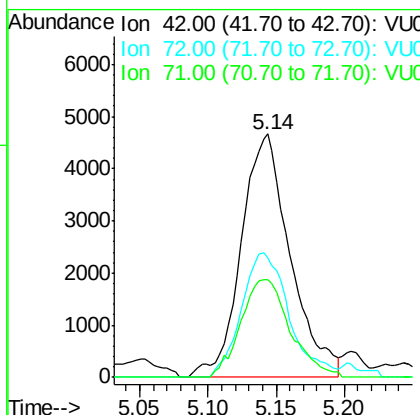
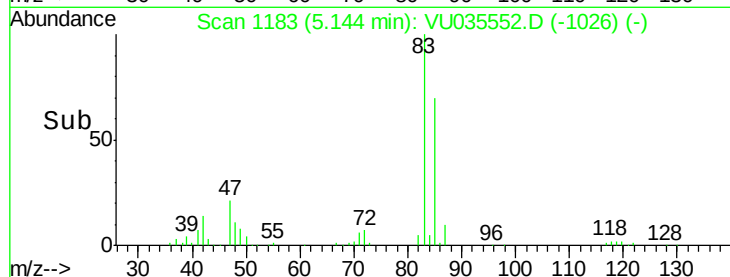
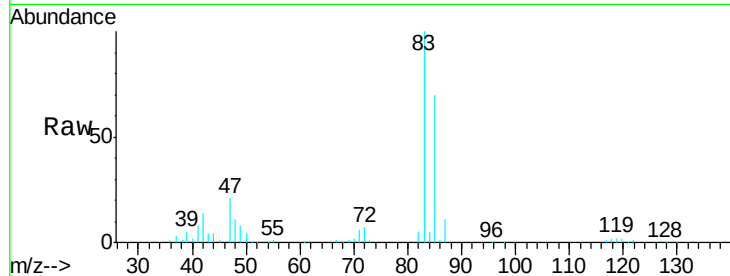
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.7	89.9	134.9#
71	40.2	3.7	5.5#

Manual Integrations
APPROVED

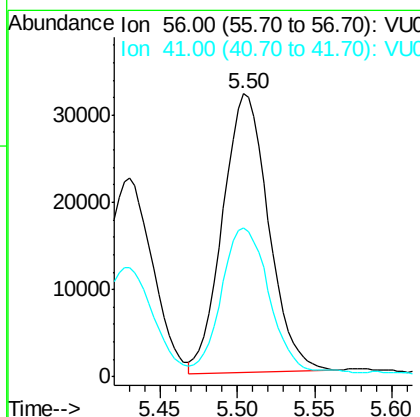
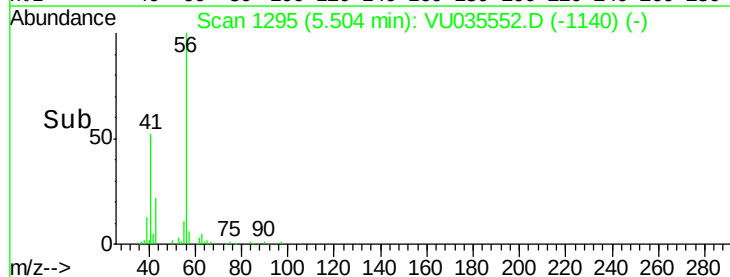
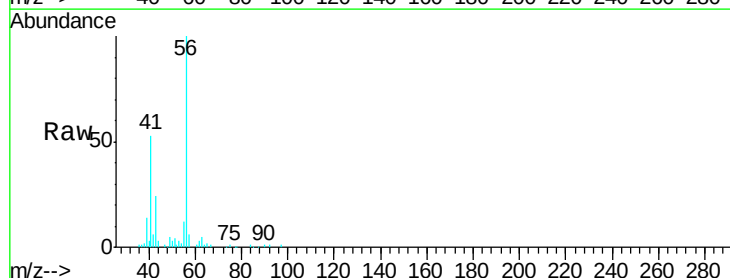
MMDadoda
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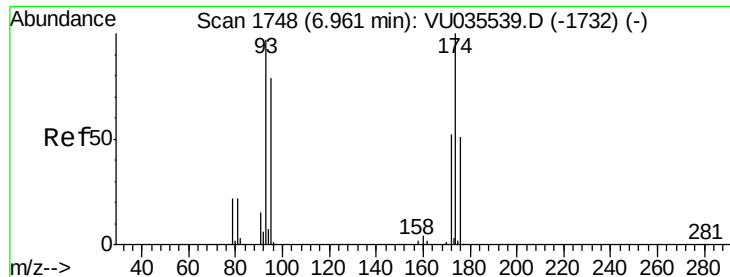
10/31/2019 4:09:20 PM



#42
1-Chlorobutane
Concen: 1.810 ug/l
RT: 5.50 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
56	100		
41	51.9	25.5	76.5





#43

Dibromomethane

Concen: 2.000 ug/l

RT: 6.96 min Scan# 1749

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 93 Resp: 22110

Ion Ratio Lower Upper

93 100

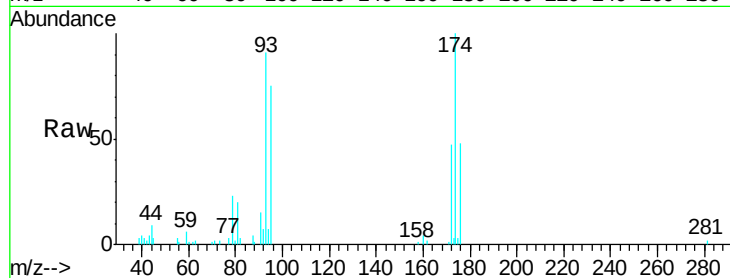
95 78.7 65.1 97.7

174 103.4 84.2 126.4

Manual Integrations
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10/31/2019 4:09:20 PM

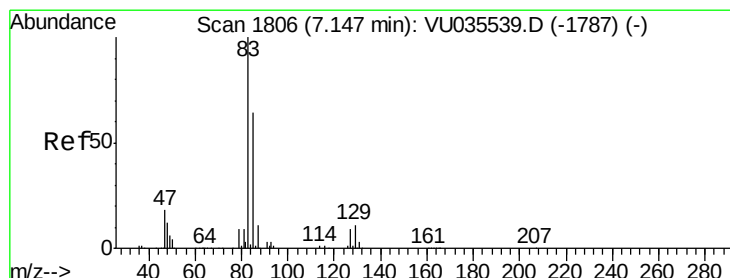
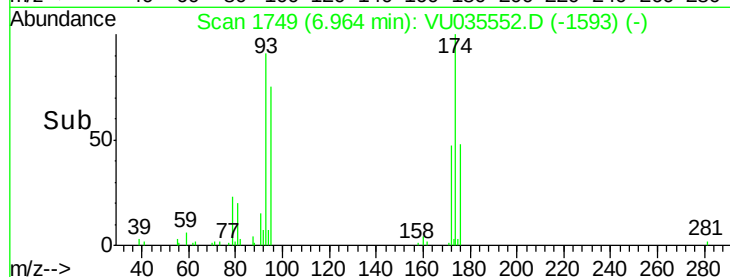
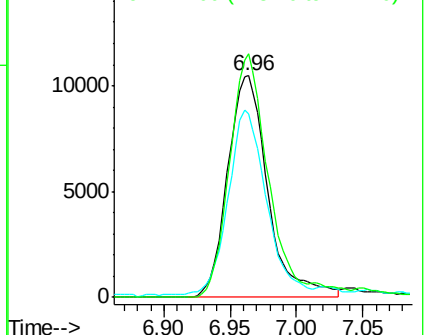


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 2.045 ug/l

RT: 7.15 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

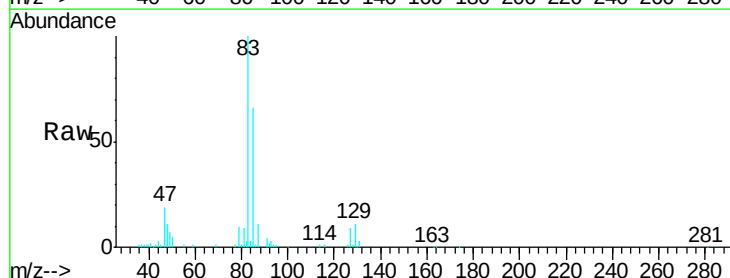
Tgt Ion: 83 Resp: 56331

Ion Ratio Lower Upper

83 100

85 66.3 51.6 77.4

127 8.6 7.0 10.4

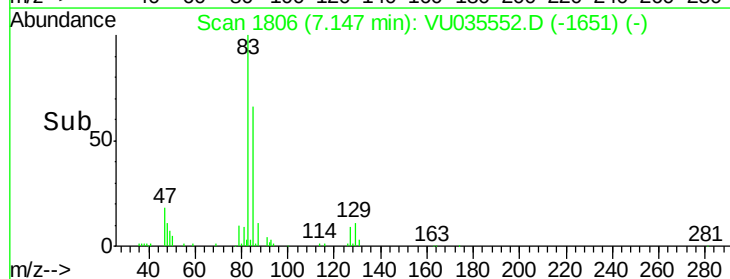
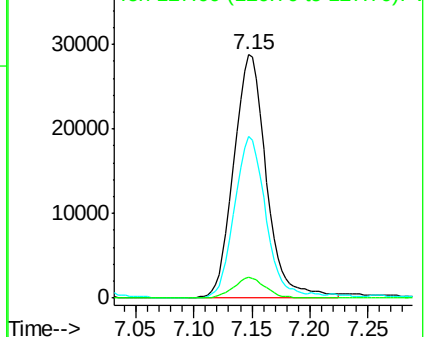


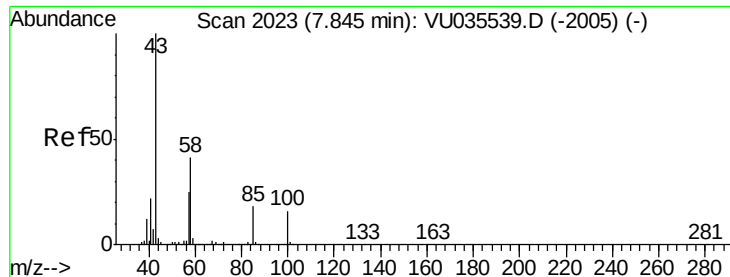
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45

4-Methyl-2-Pentanone

Concen: 9.130 ug/l

RT: 7.85 min Scan# 2024

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 43 Resp: 107635
Ion Ratio Lower Upper

43 100

58 39.9 20.6 61.8

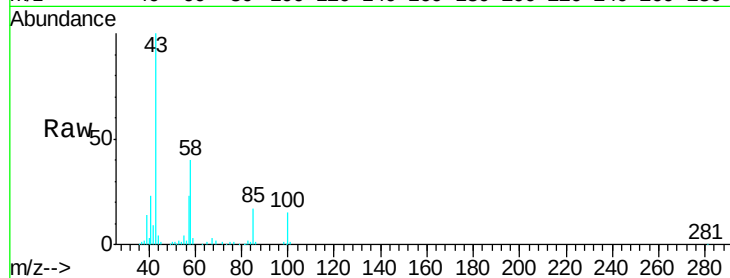
85 16.4 14.5 21.7

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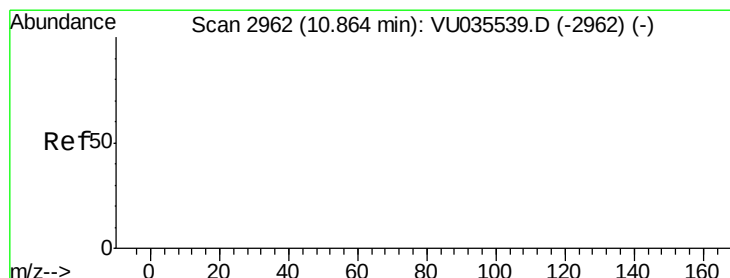
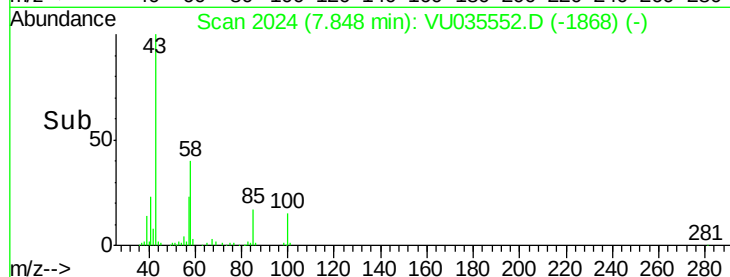
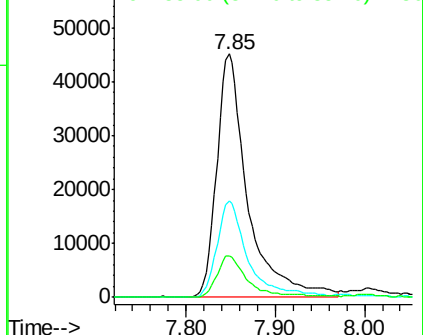
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Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 85.00 (84.70 to 85.70): VU0



#46

t-1,4-Dichloro-2-butene

Concen: 4.264 ug/l m

RT: 10.88 min Scan# 2966

Delta R.T. 0.01 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Tgt Ion: 75 Resp: 18271
Ion Ratio Lower Upper

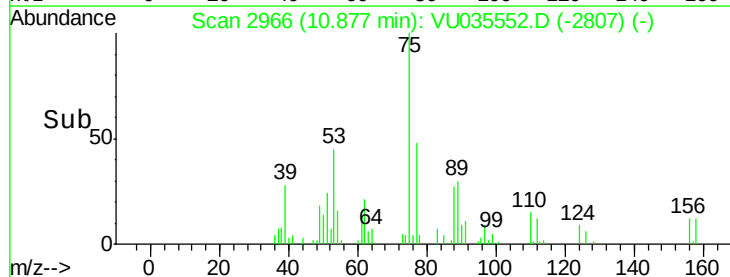
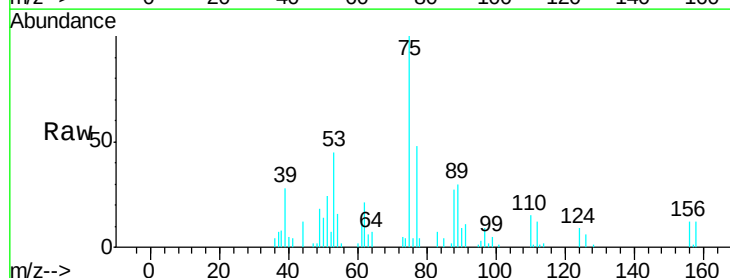
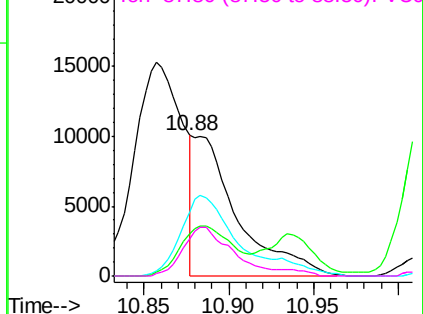
75 100

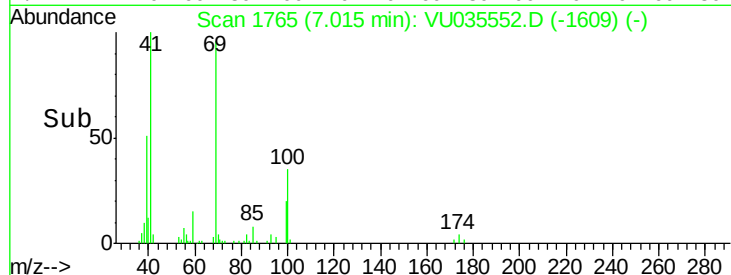
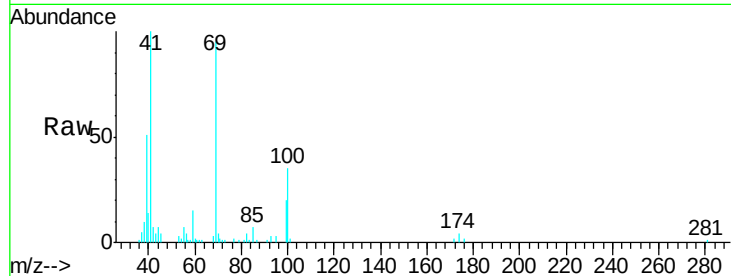
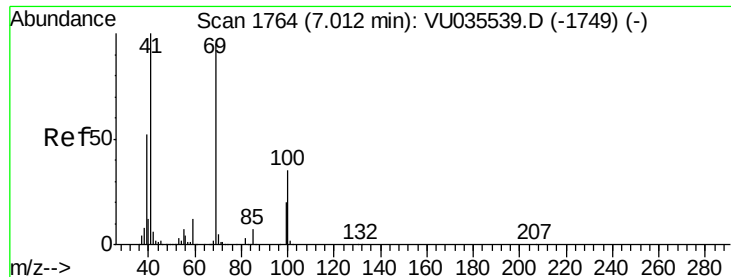
53 67.0 54.1 81.1

89 42.3 38.2 57.4

88 38.4 30.6 45.8

Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.80 (88.50 to 89.50): VU0
Ion 87.80 (87.50 to 88.50): VU0





#47
Methyl methacrylate
Concen: 3.682 ug/l
RT: 7.02 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

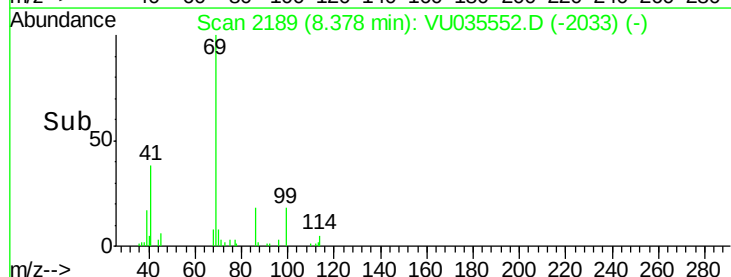
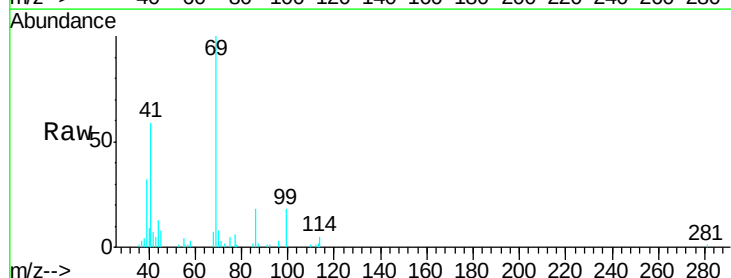
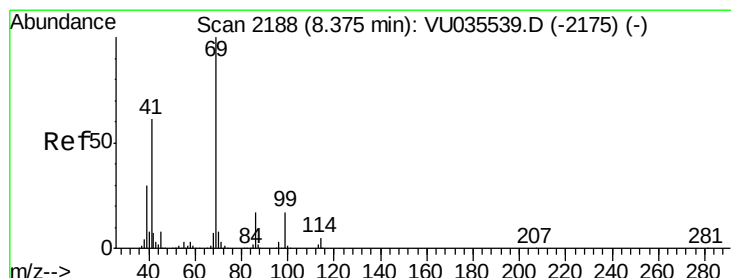
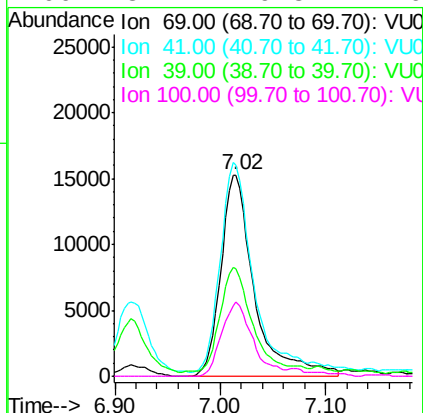
Tgt Ion	Ratio	Lower	Upper
69	100		
41	103.7	0.0	216.8
39	52.9	45.1	67.7
100	34.1	29.8	44.6

Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

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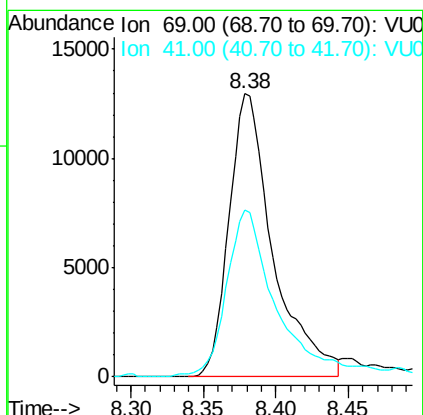
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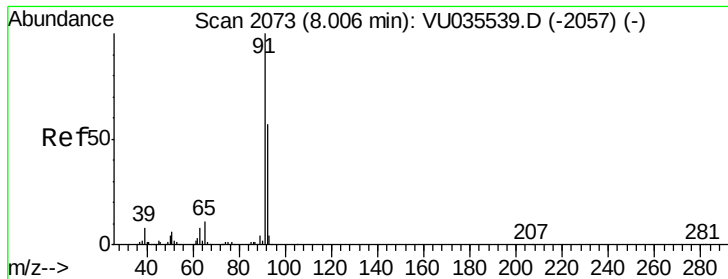
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#48
Ethyl methacrylate
Concen: 1.712 ug/l
RT: 8.38 min Scan# 2189
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.4	30.4	91.2





#49

Toluene

Concen: 1.897 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 92 Resp: 88077

Ion Ratio Lower Upper

92 100

91 178.7 141.4 212.0

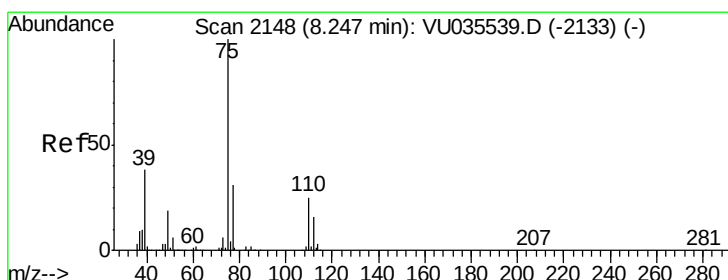
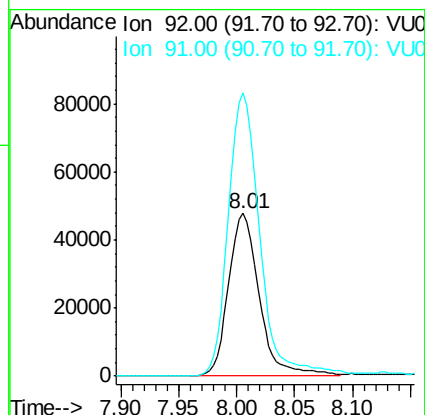
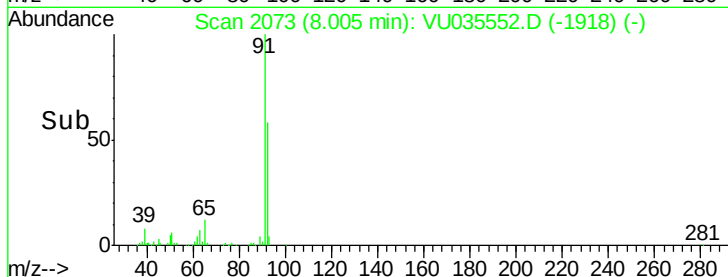
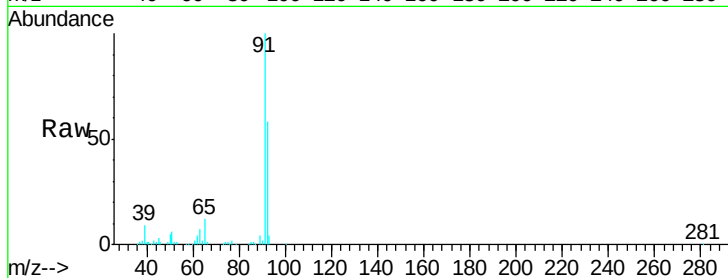
Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 1.848 ug/l

RT: 8.25 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VU035552.D

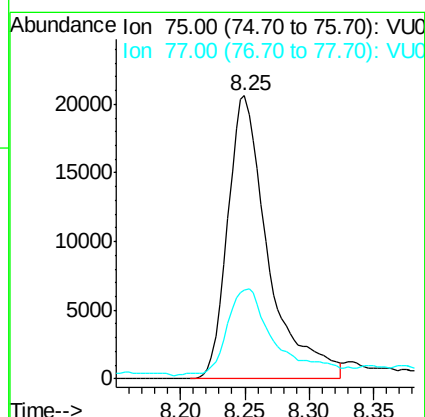
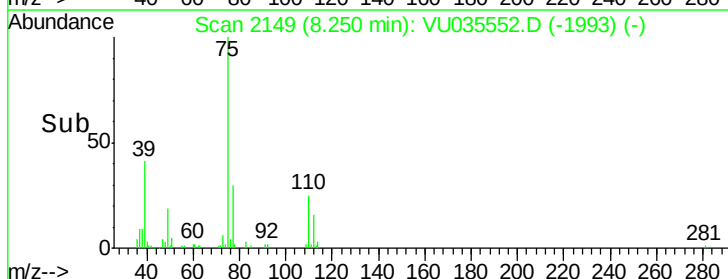
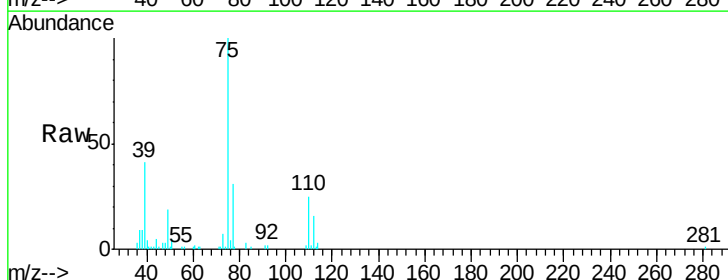
Acq: 30 Oct 2019 11:00

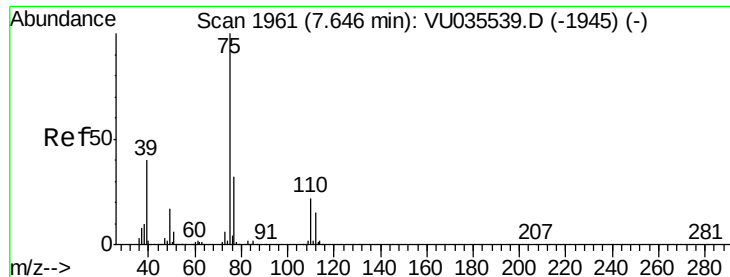
Tgt Ion: 75 Resp: 45076

Ion Ratio Lower Upper

75 100

77 29.4 25.2 37.8





#51

cis-1,3-Dichloropropene
Concen: 1.878 ug/l
RT: 7.65 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

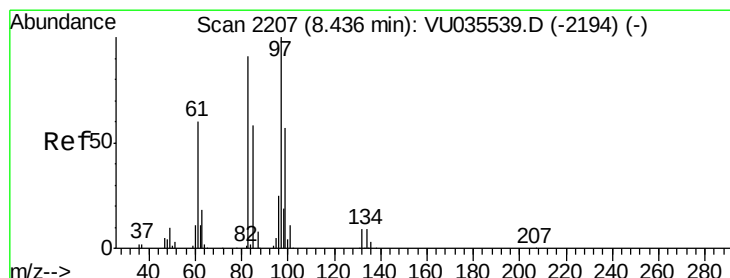
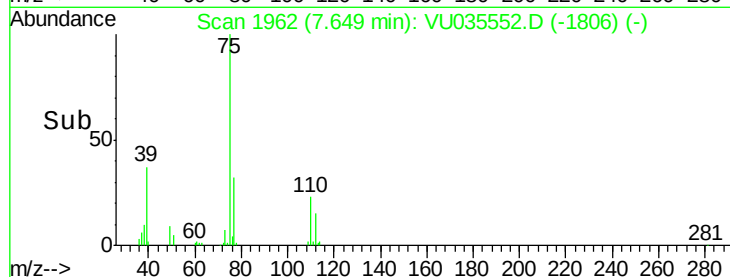
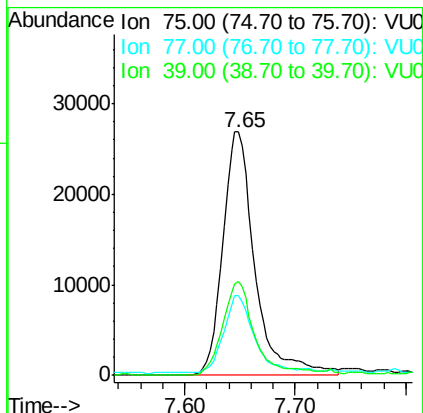
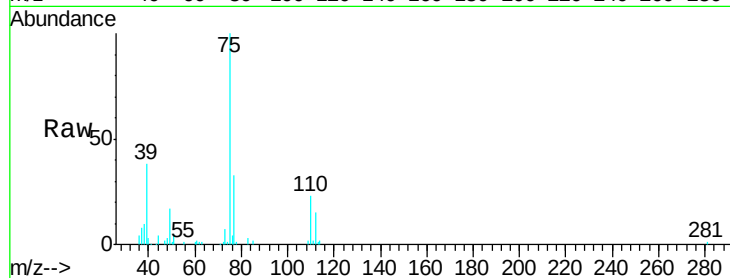
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion:	75	Resp:	54346
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.2	37.8
39	38.4	32.1	48.1

Manual Integrations
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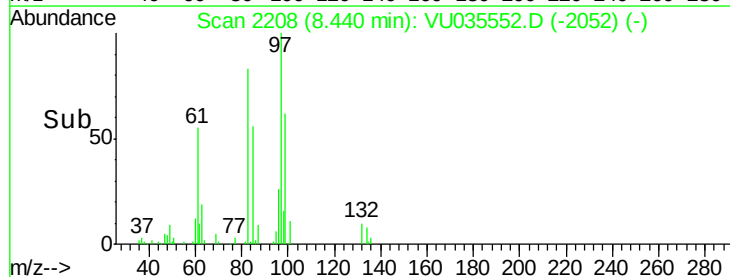
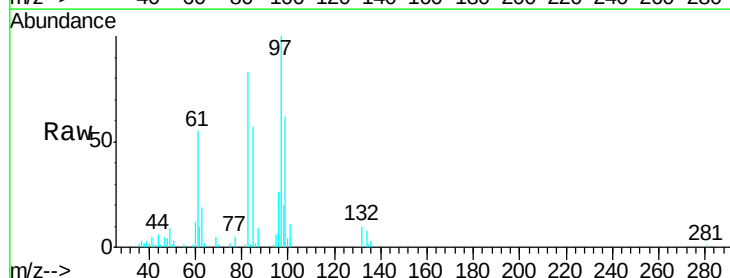
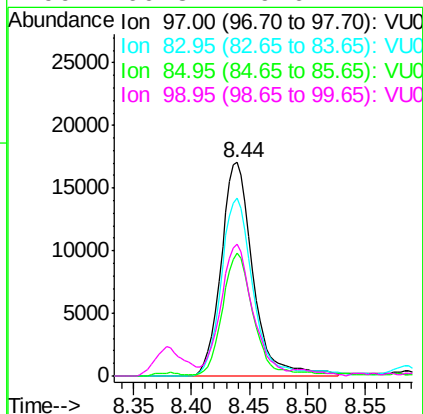
10/31/2019 4:09:20 PM

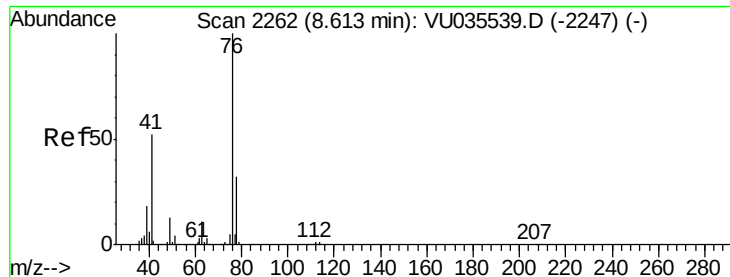


#52

1,1,2-Trichloroethane
Concen: 2.108 ug/l
RT: 8.44 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion:	97	Resp:	32665
Ion Ratio	Lower	Upper	
97	100		
83	83.0	72.6	108.8
85	56.8	46.4	69.6
99	60.8	49.6	74.4





#53
 1,3-Dichloropropane
 Concen: 2.037 ug/l
 RT: 8.61 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

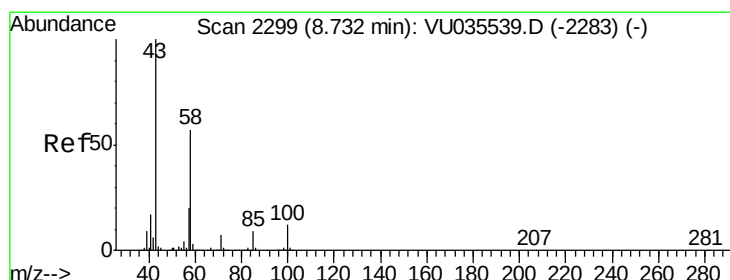
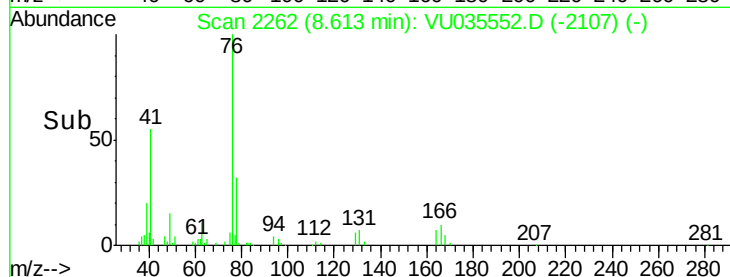
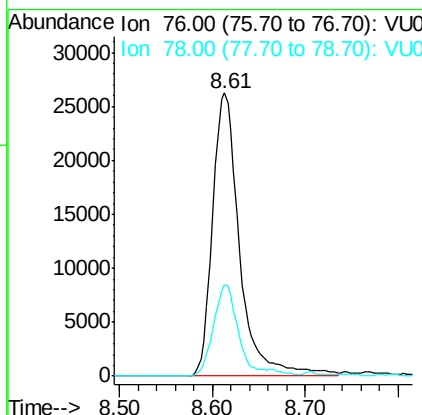
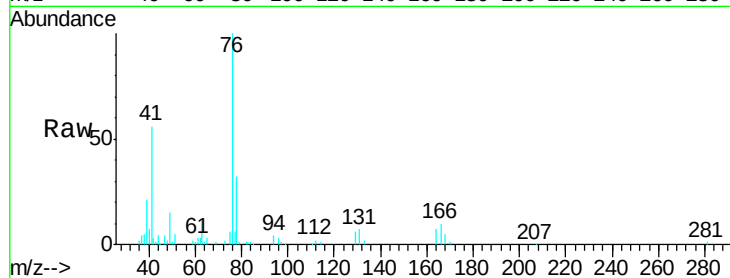
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion: 76 Resp: 53487
 Ion Ratio Lower Upper
 76 100
 78 30.5 25.6 38.4

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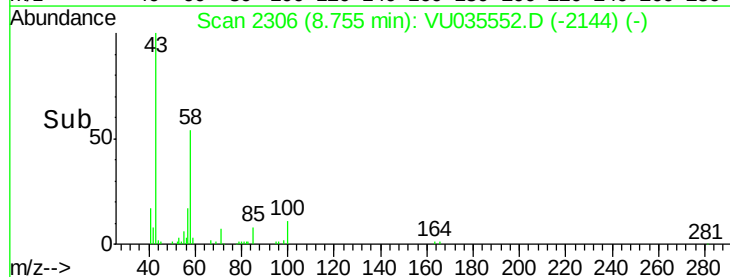
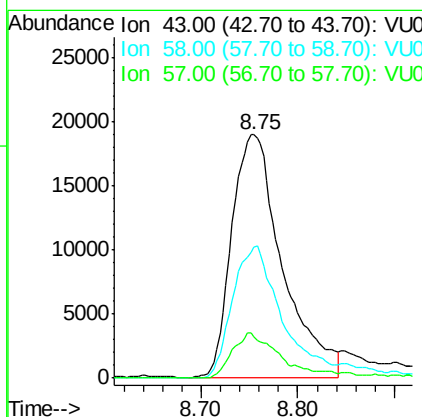
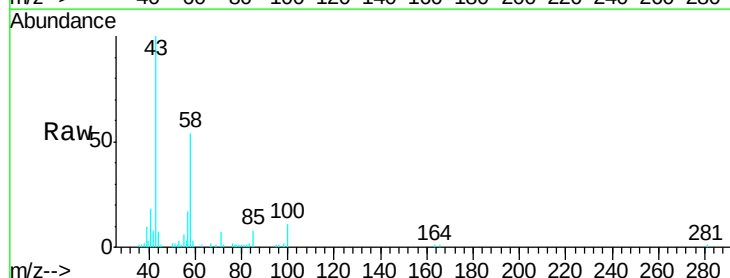
MMDadoda
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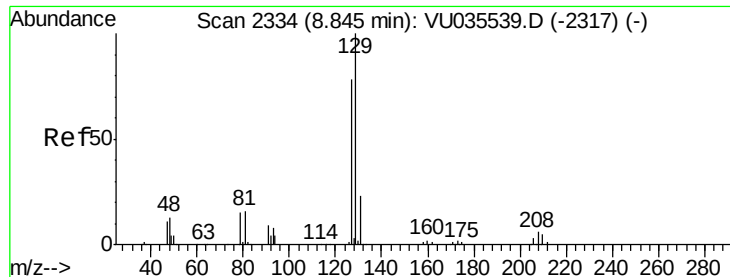
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#54
 2-Hexanone
 Concen: 8.234 ug/l
 RT: 8.75 min Scan# 2306
 Delta R.T. 0.02 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion: 43 Resp: 68989
 Ion Ratio Lower Upper
 43 100
 58 52.7 37.2 77.2
 57 17.7 0.0 39.1





#55

Dibromochloromethane

Concen: 2.044 ug/l

RT: 8.85 min Scan# 2335

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion:129 Resp: 38664

Ion Ratio Lower Upper

129 100

127 74.2 62.3 93.5

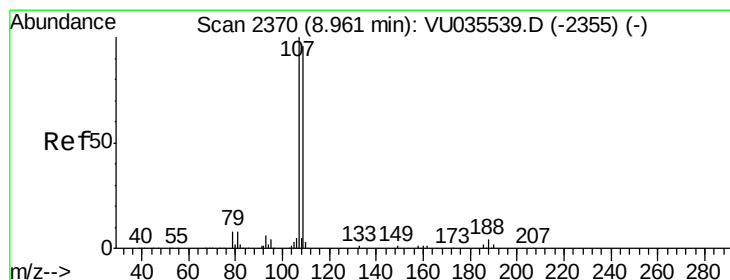
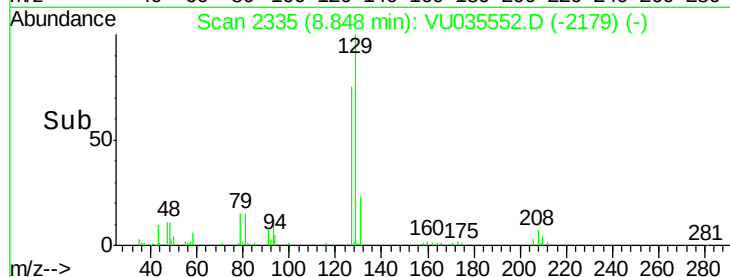
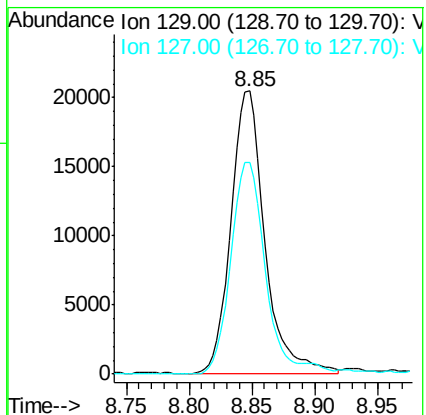
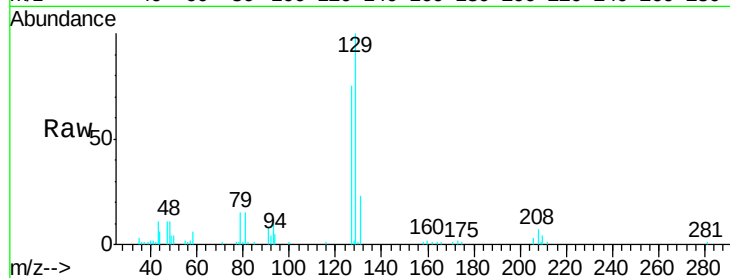
Manual Integrations

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#56

1,2-Dibromoethane

Concen: 1.893 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035552.D

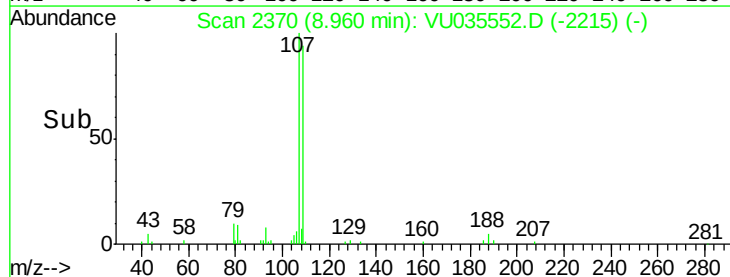
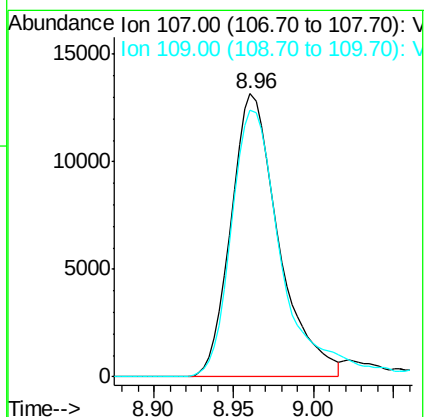
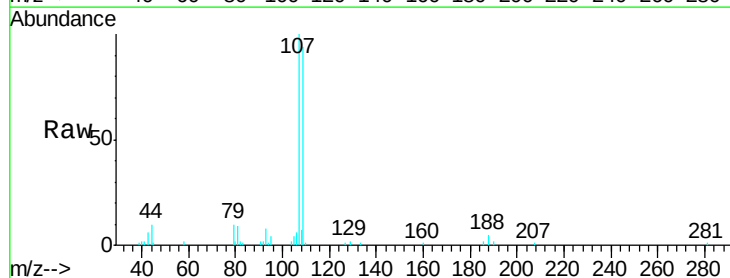
Acq: 30 Oct 2019 11:00

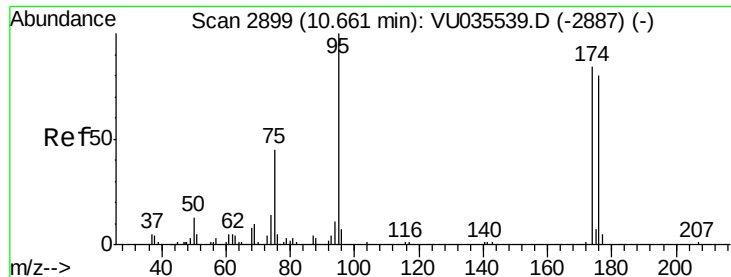
Tgt Ion:107 Resp: 26837

Ion Ratio Lower Upper

107 100

109 100.3 0.0 191.4





#57
4-Bromofluorobenzene
Concen: 1.021 ug/l
RT: 10.66 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

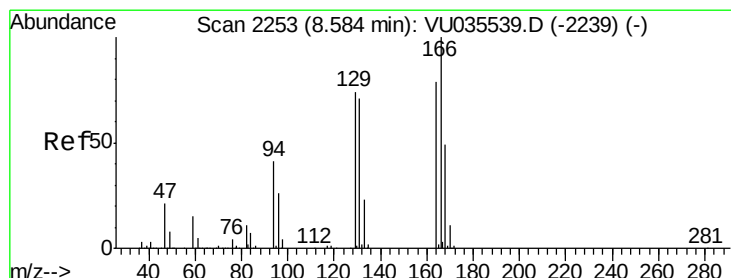
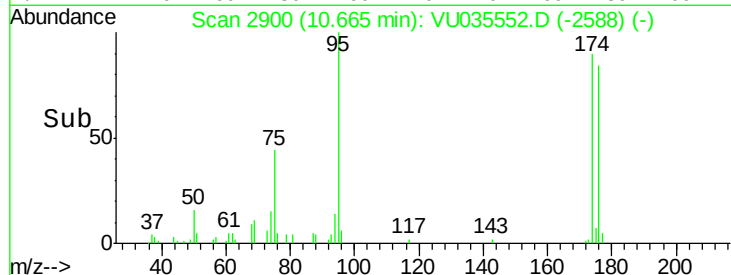
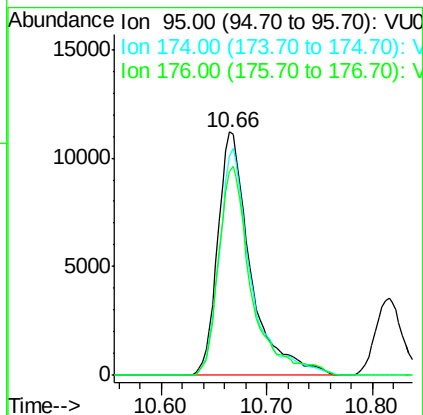
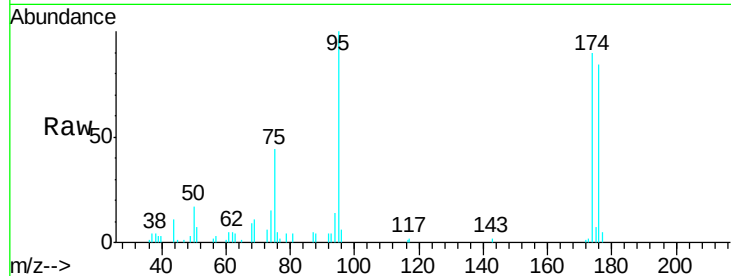
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.9	70.2	105.4
176	85.2	67.7	101.5

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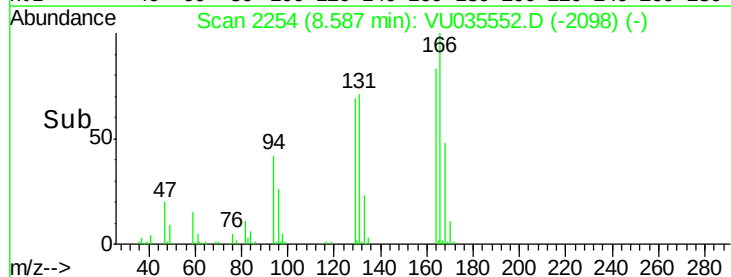
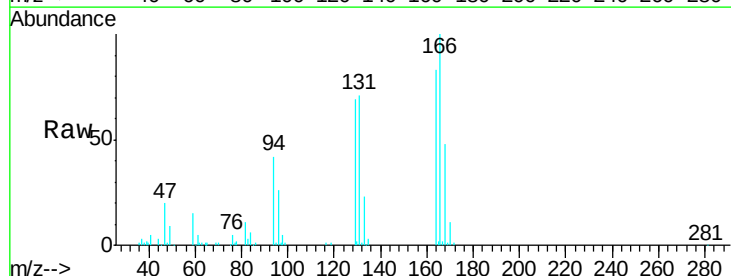
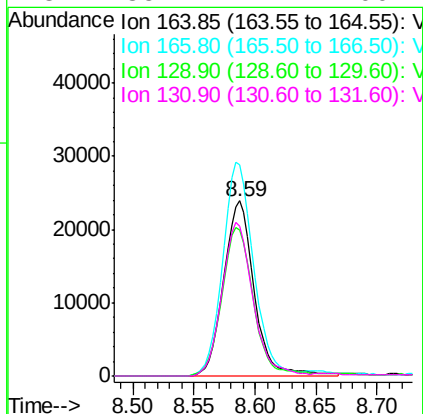
MMDadoda
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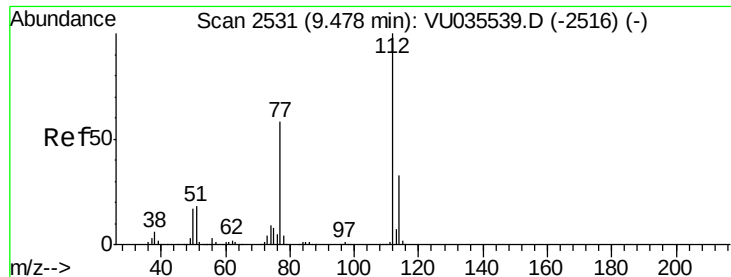
10/31/2019 4:09:20 PM



#58
Tetrachloroethene
Concen: 2.052 ug/l
RT: 8.59 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.3	100.6	151.0
129	83.1	74.1	111.1
131	85.7	71.1	106.7





#59
Chlorobenzene
Concen: 1.860 ug/l
RT: 9.48 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

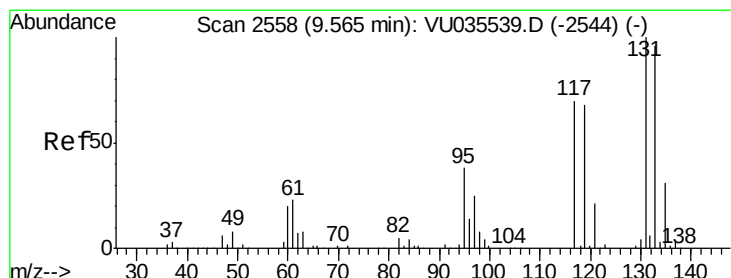
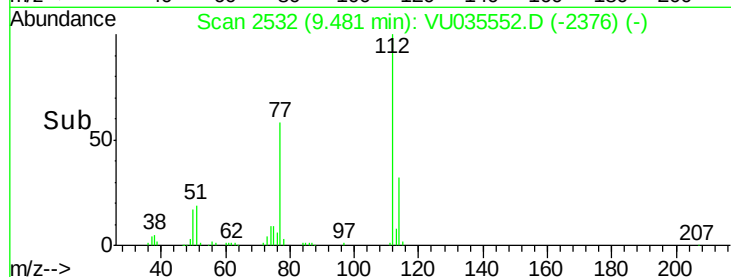
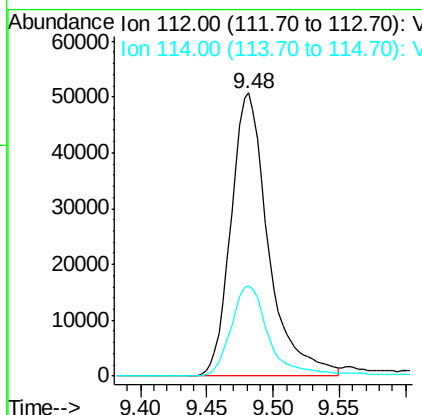
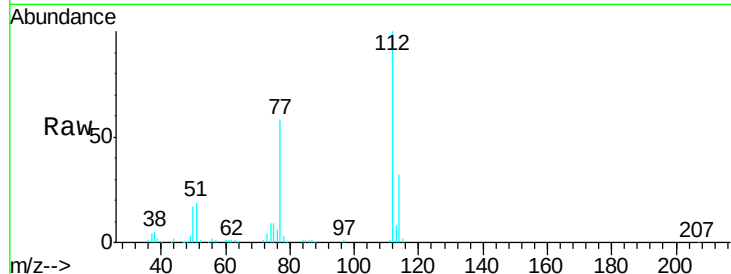
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion:112 Resp: 99542
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7

Manual Integrations
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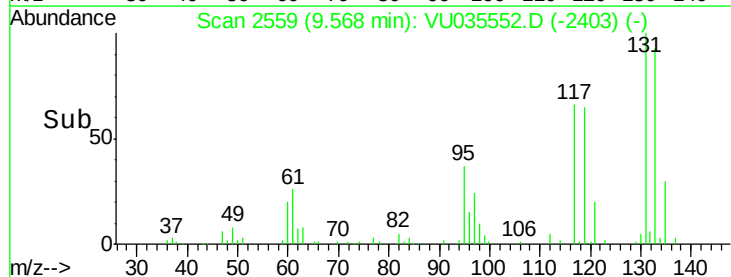
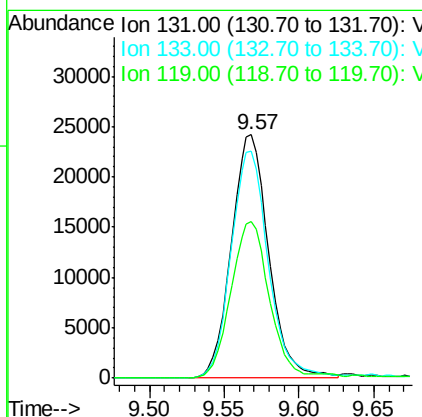
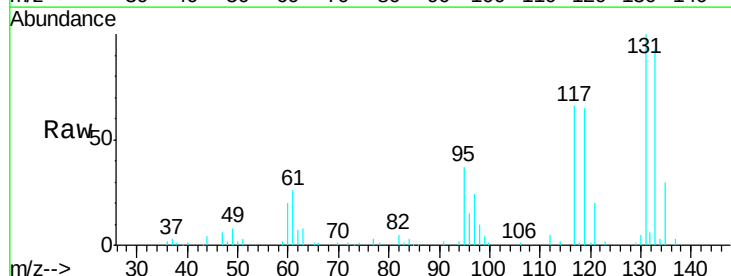
MMDadoda
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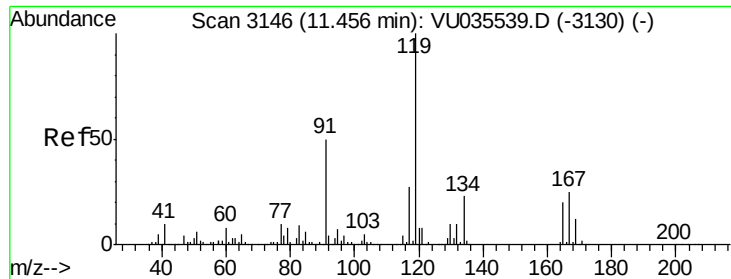
10/31/2019 4:09:20 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.045 ug/l
RT: 9.57 min Scan# 2559
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion:131 Resp: 42080
Ion Ratio Lower Upper
131 100
133 93.2 76.9 115.3
119 65.5 53.6 80.4





#61

Pentachloroethane

Concen: 2.056 ug/l

RT: 11.46 min Scan# 3146

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion:117 Resp: 34474

Ion Ratio Lower Upper

117 100

167 83.9 69.8 104.6

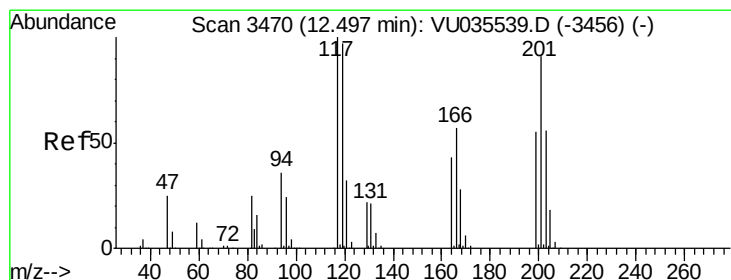
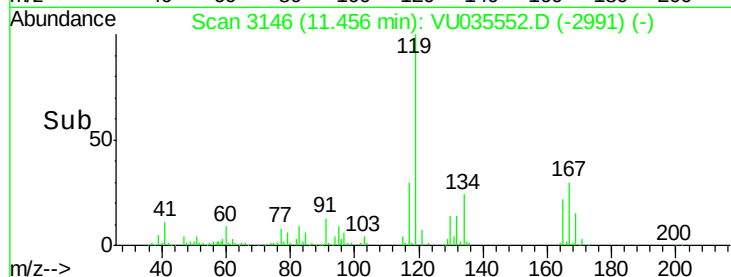
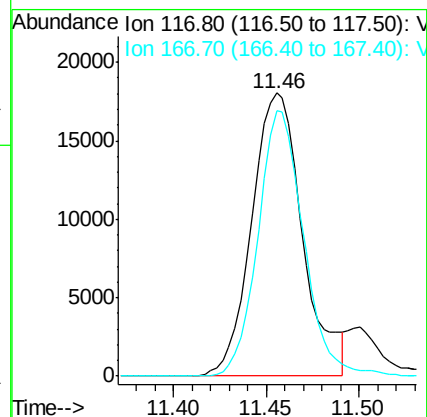
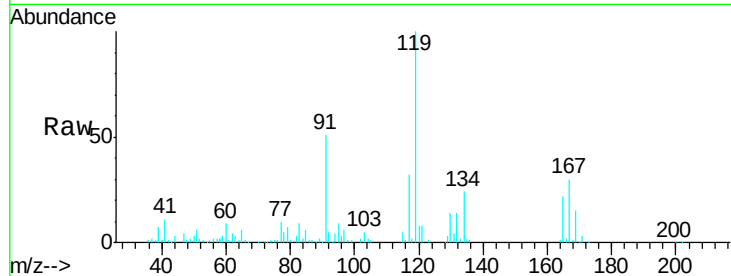
Manual Integrations

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#62

Hexachloroethane

Concen: 1.929 ug/l

RT: 12.50 min Scan# 3471

Delta R.T. 0.00 min

Lab File: VU035552.D

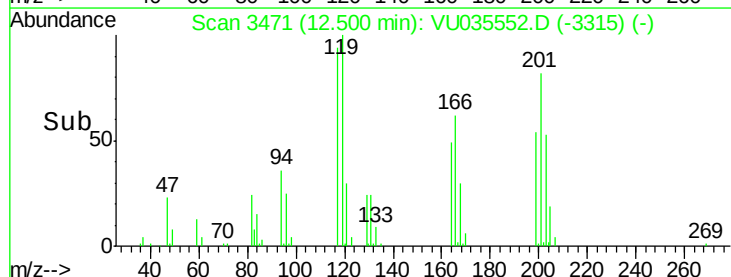
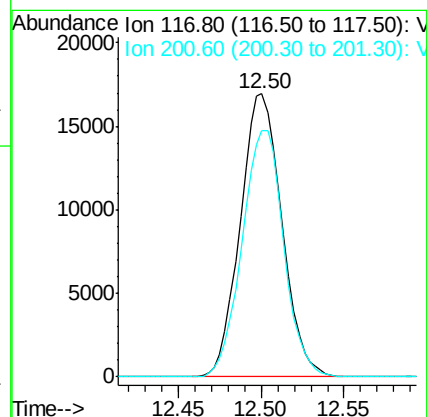
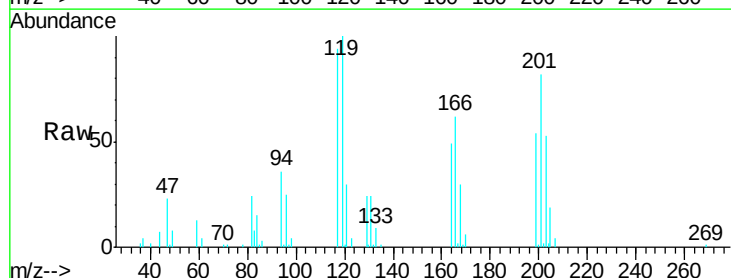
Acq: 30 Oct 2019 11:00

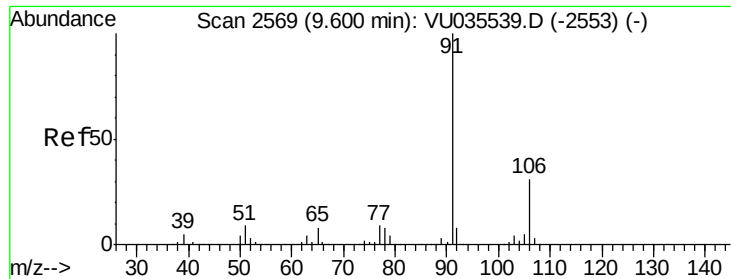
Tgt Ion:117 Resp: 29550

Ion Ratio Lower Upper

117 100

201 87.2 71.8 107.8





#63

Ethyl Benzene

Concen: 1.766 ug/l

RT: 9.60 min Scan# 2569

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 91 Resp: 146820

Ion Ratio Lower Upper

91 100

106 30.5 25.2 37.8

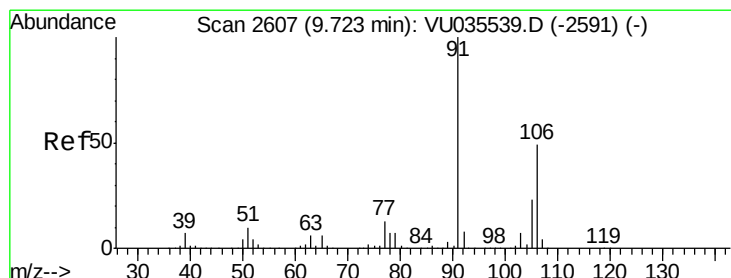
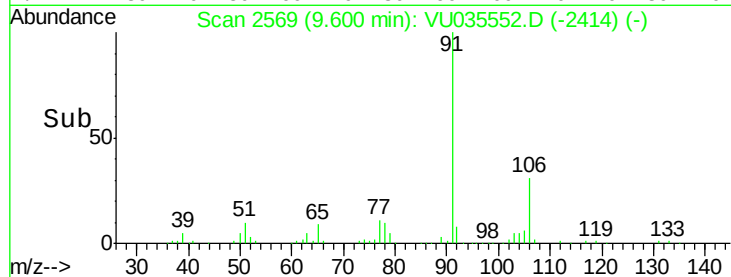
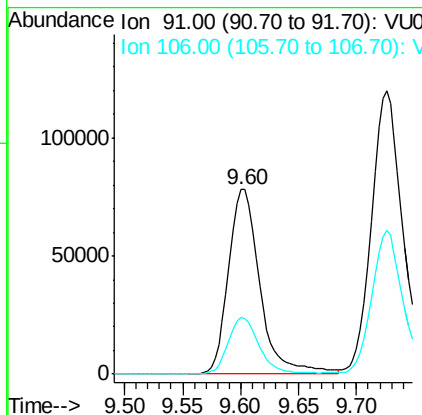
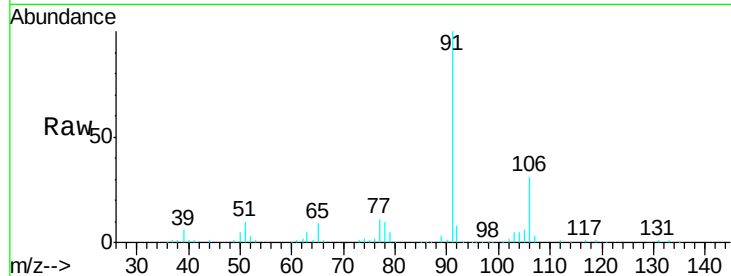
Manual Integrations

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#64

m/p-Xylenes

Concen: 3.574 ug/l

RT: 9.73 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VU035552.D

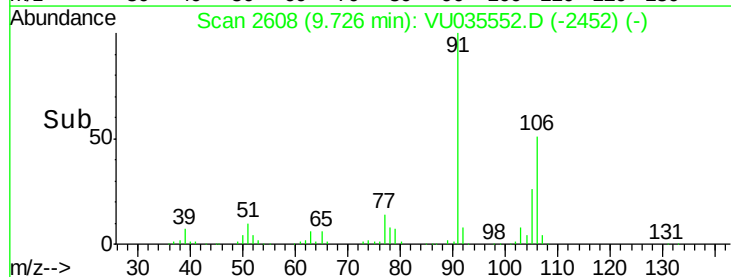
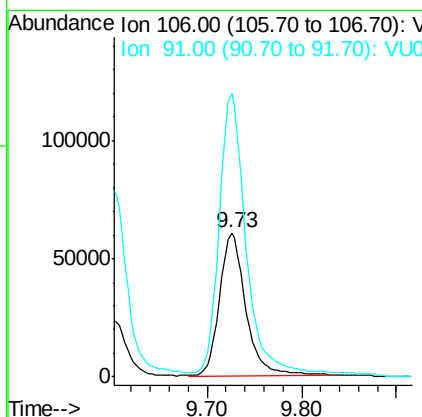
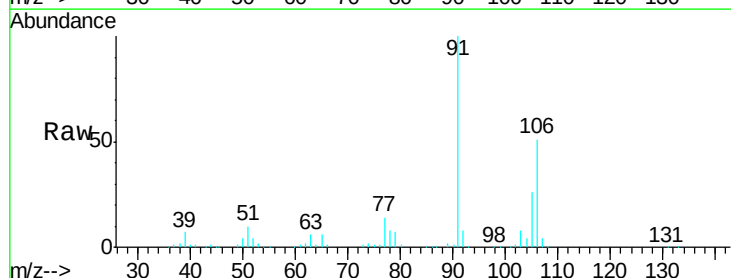
Acq: 30 Oct 2019 11:00

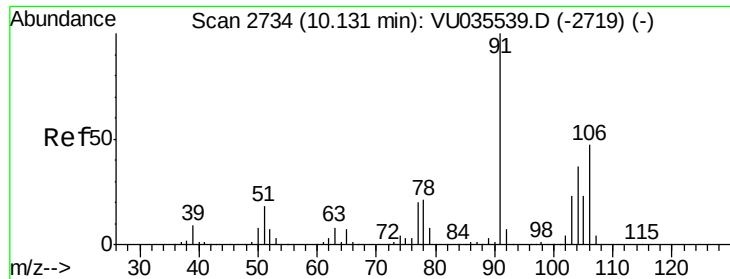
Tgt Ion: 106 Resp: 117294

Ion Ratio Lower Upper

106 100

91 196.6 81.0 121.4#





#65
o-Xylene
Concen: 1.799 ug/l
RT: 10.13 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

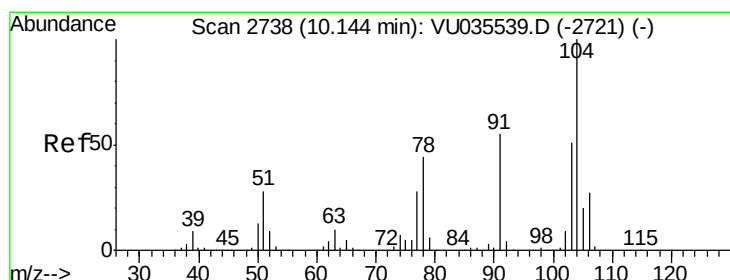
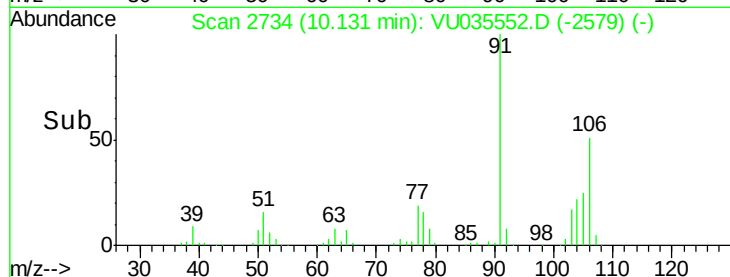
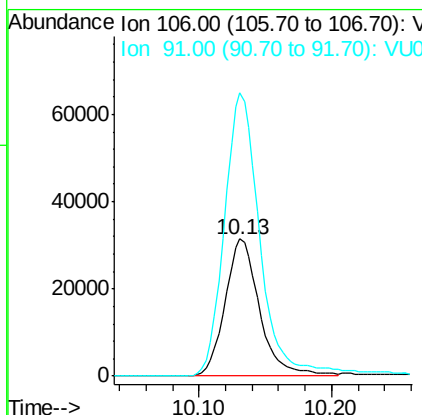
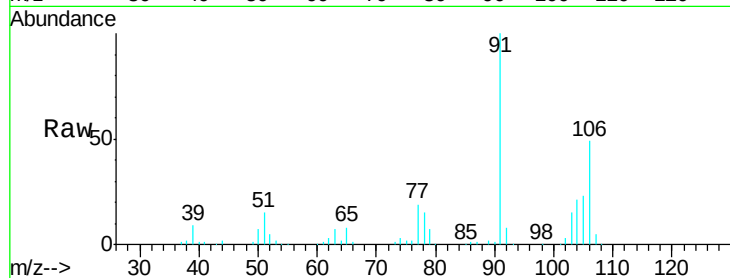
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion:106 Resp: 57048
Ion Ratio Lower Upper
106 100
91 213.3 107.1 321.1

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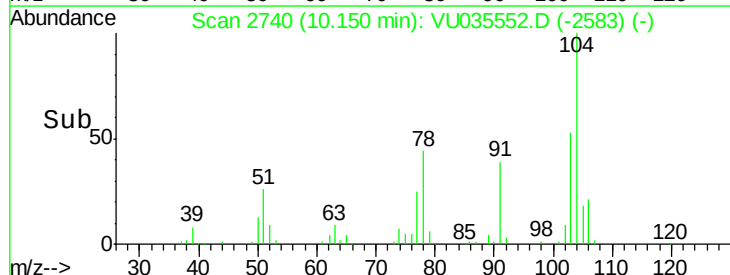
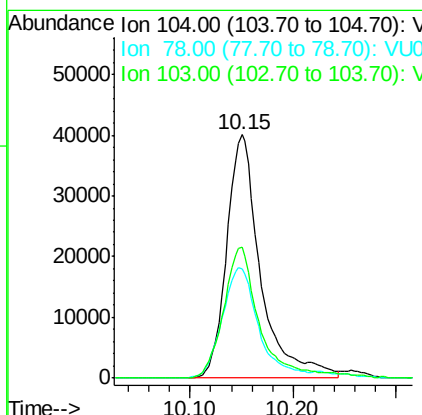
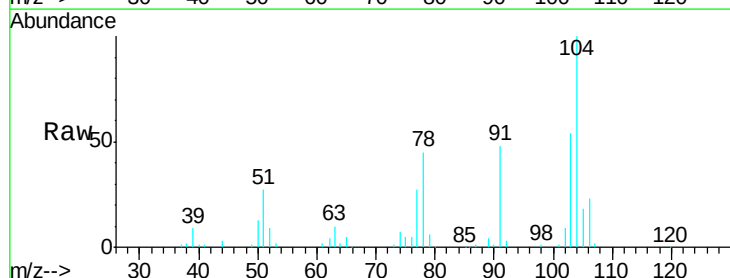
MMDadoda
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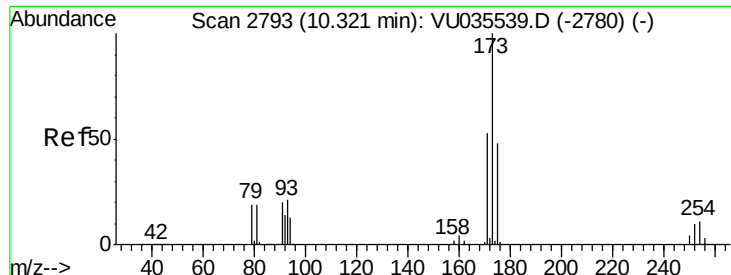
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#66
Styrene
Concen: 1.750 ug/l
RT: 10.15 min Scan# 2740
Delta R.T. 0.01 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion:104 Resp: 91863
Ion Ratio Lower Upper
104 100
78 48.8 38.6 58.0
103 55.8 43.6 65.4





#67

Bromoform

Concen: 1.990 ug/l

RT: 10.32 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion:173 Resp: 23355

Ion Ratio Lower Upper

173 100

175 50.0 38.7 58.1

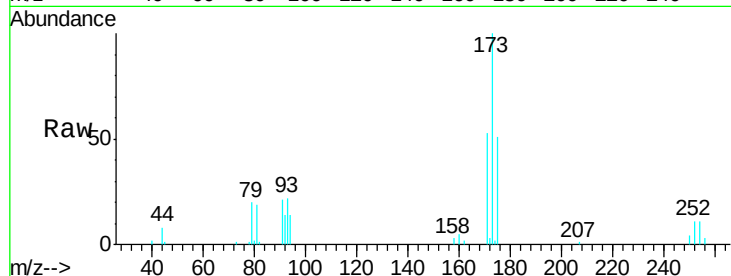
254 9.9 8.2 12.2

Manual Integrations
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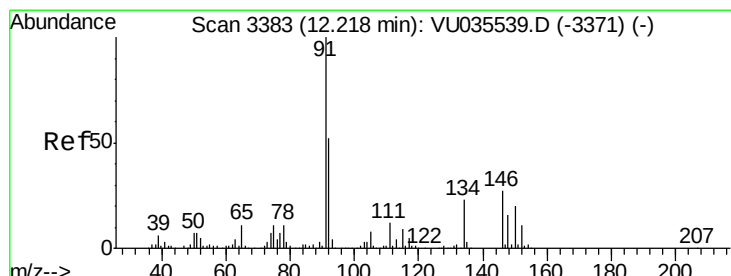
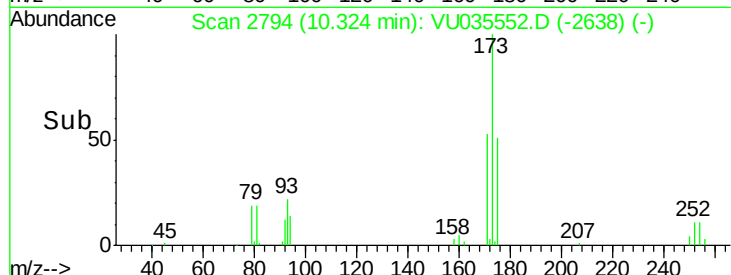
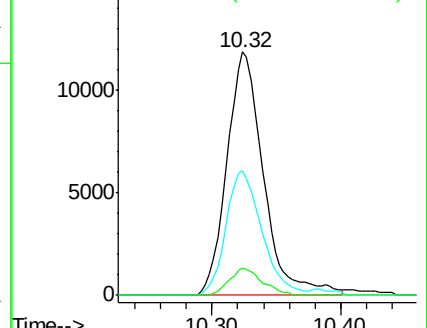
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 1.012 ug/l

RT: 12.22 min Scan# 3385

Delta R.T. 0.01 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

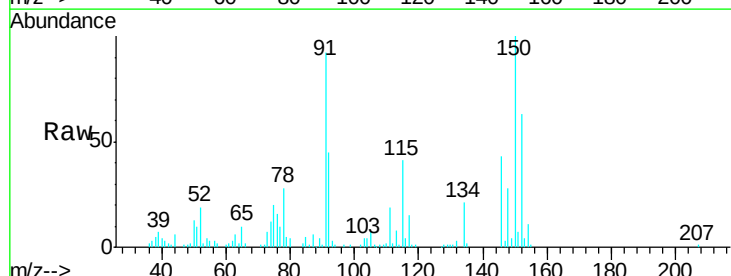
Tgt Ion:152 Resp: 25484

Ion Ratio Lower Upper

152 100

115 73.1 0.0 250.6

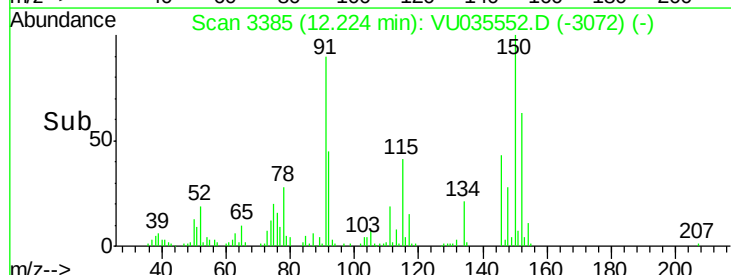
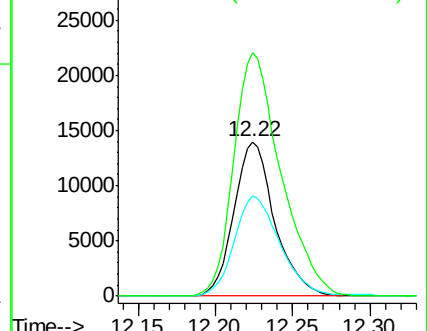
150 182.7 0.0 656.8

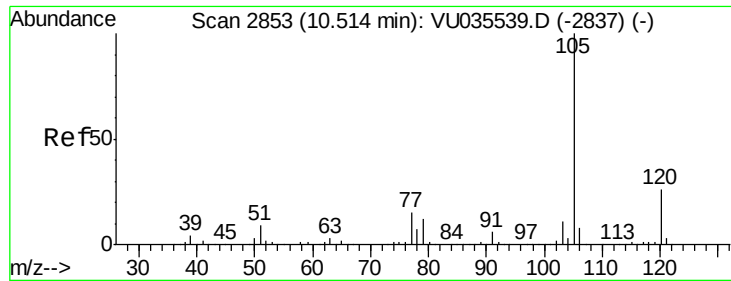


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.798 ug/l

RT: 10.51 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 105 Resp: 148686

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5

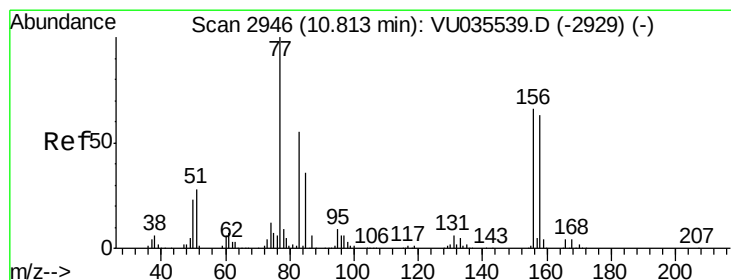
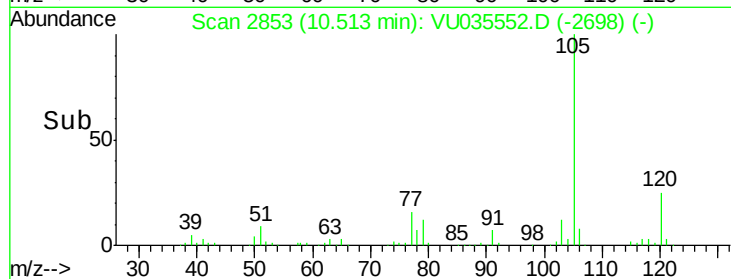
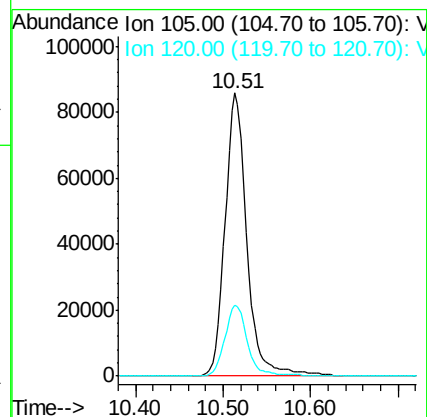
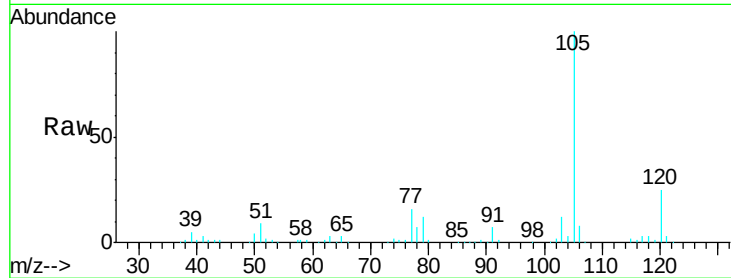
Manual Integrations

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.017 ug/l

RT: 10.82 min Scan# 2947

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

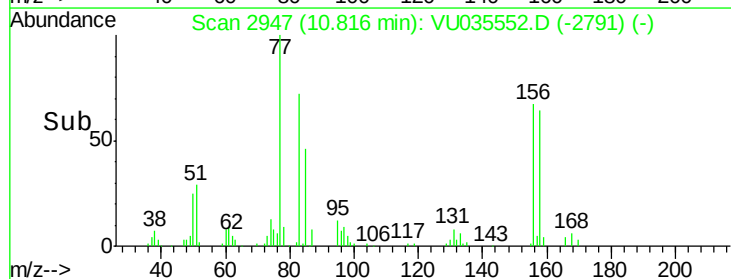
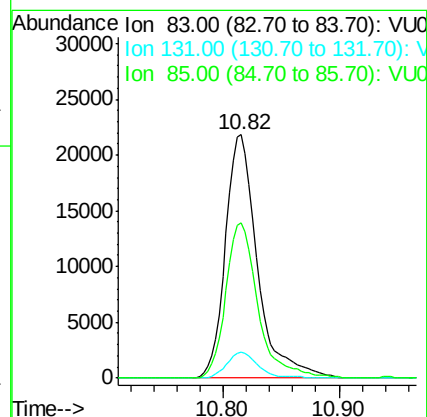
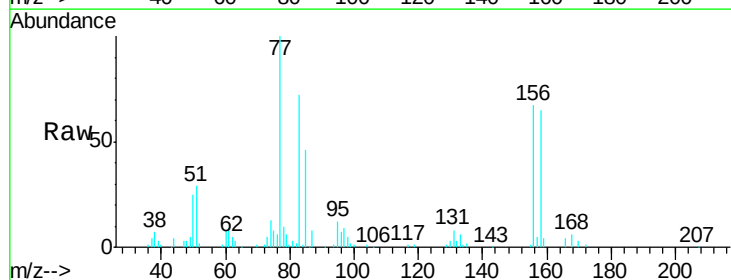
Tgt Ion: 83 Resp: 41673

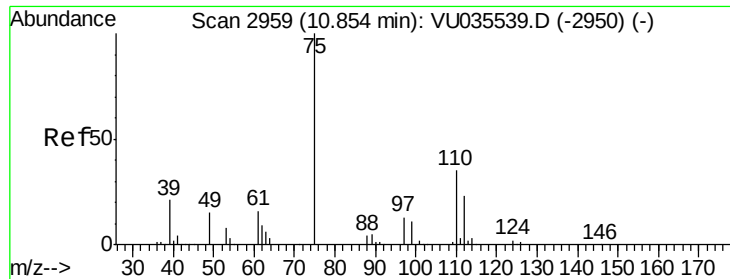
Ion Ratio Lower Upper

83 100

131 10.0 0.0 0.0#

85 64.1 33.5 50.3#





#71
1,2,3-Trichloropropane
Concen: 2.068 ug/l m
RT: 10.86 min Scan# 2960
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

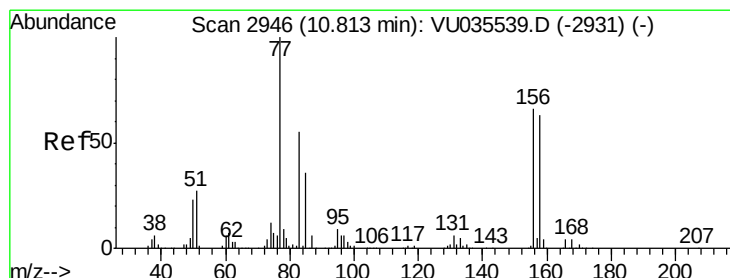
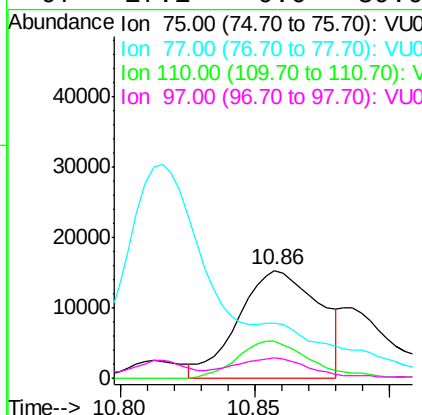
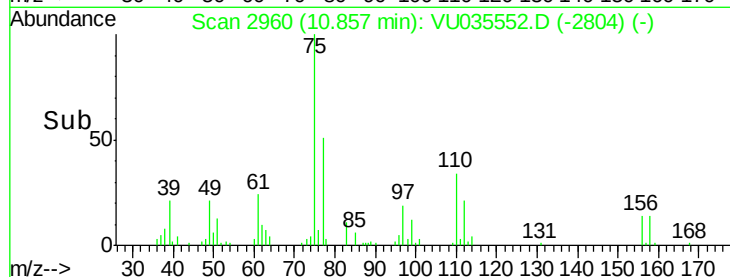
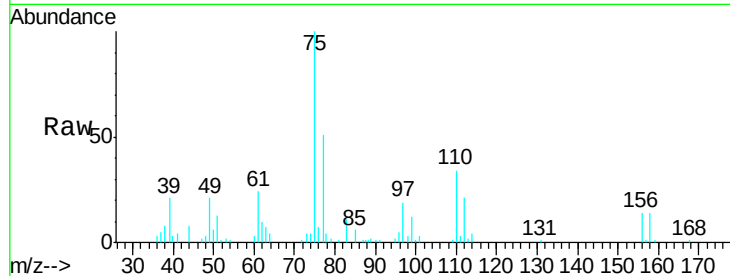
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	68.6
110	31.8	0.0	77.2
97	17.1	0.0	39.0

Manual Integrations
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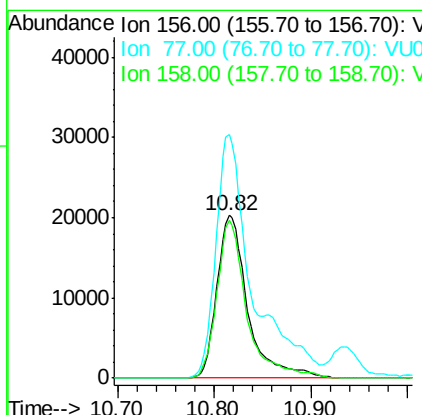
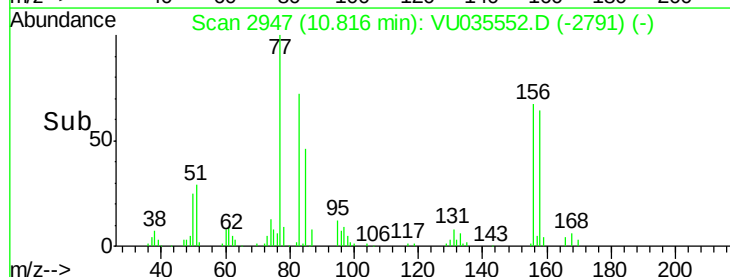
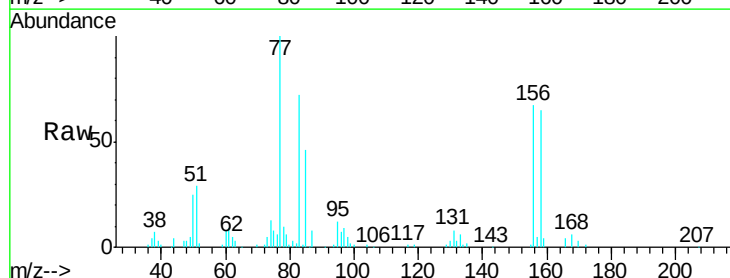
MMDadoda
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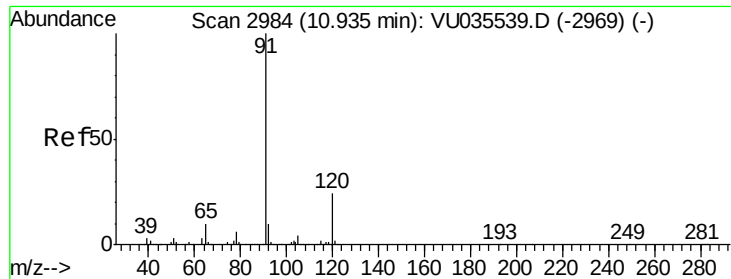
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#72
Bromobenzene
Concen: 1.955 ug/l
RT: 10.82 min Scan# 2947
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
156	100		
77	142.0	0.0	300.4
158	93.9	0.0	194.4





#73

n-propylbenzene

Concen: 1.669 ug/l

RT: 10.93 min Scan# 2984

Delta R.T. -0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion:120 Resp: 38530

Ion Ratio Lower Upper

120 100

91 418.1 340.6 510.8

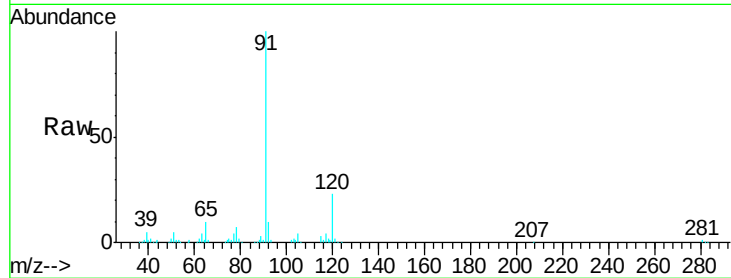
Manual Integrations

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Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0

100000

80000

60000

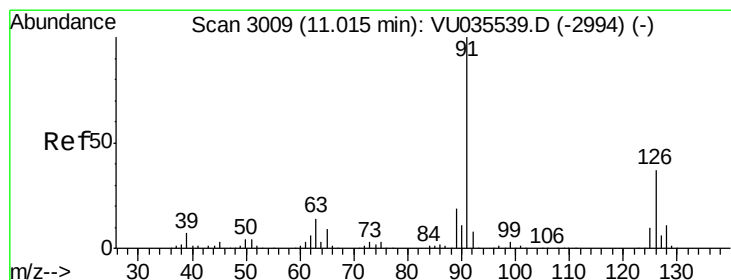
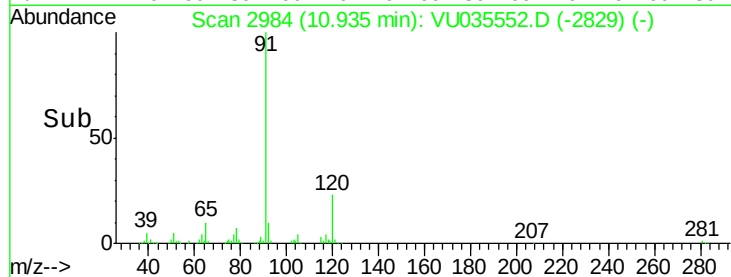
40000

20000

0

10.90 11.00

Time-->



#74

2-Chlorotoluene

Concen: 1.819 ug/l

RT: 11.02 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU035552.D

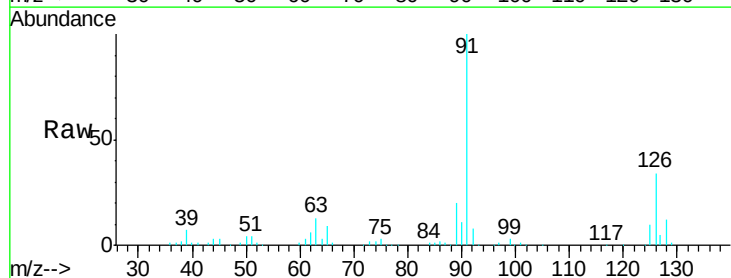
Acq: 30 Oct 2019 11:00

Tgt Ion:126 Resp: 39385

Ion Ratio Lower Upper

126 100

91 293.1 0.0 574.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

100000

80000

60000

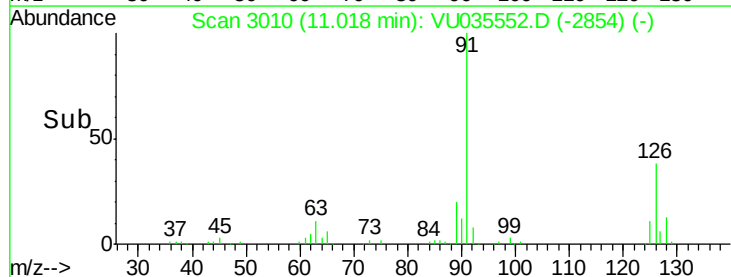
40000

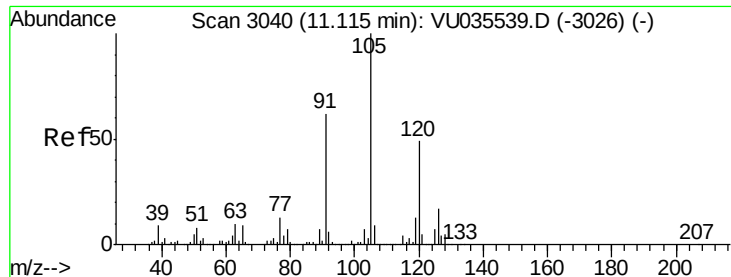
20000

0

10.95 11.05 11.10

Time-->





#75

1,3,5-Trimethylbenzene

Concen: 1.697 ug/l

RT: 11.12 min Scan# 3041

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion:105 Resp: 115648

Ion Ratio Lower Upper

105 100

120 49.0 39.4 59.2

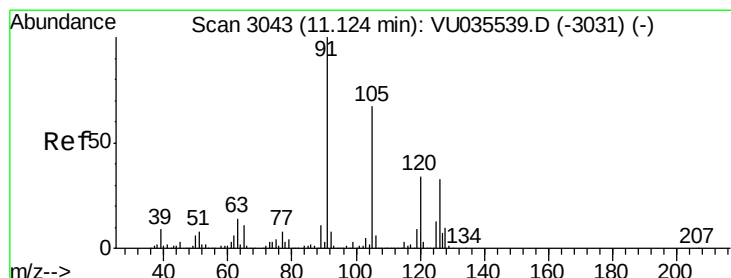
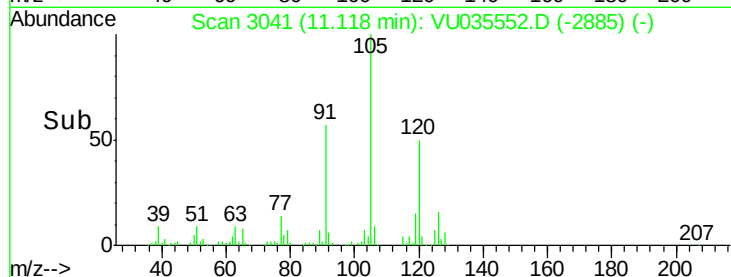
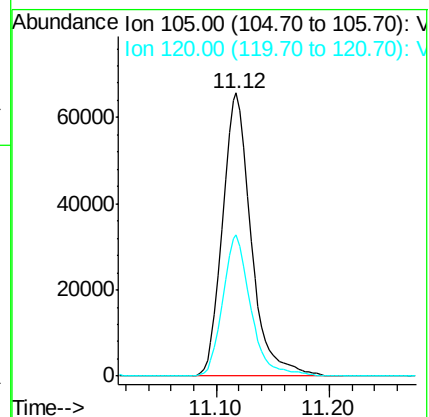
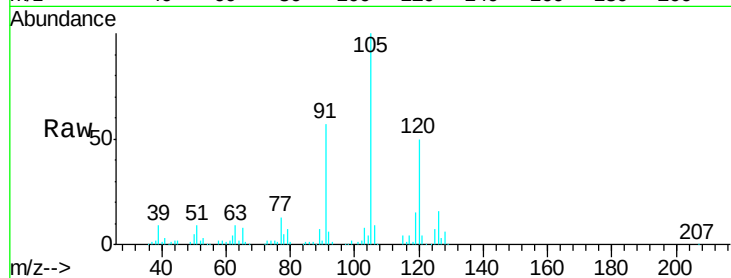
Manual Integrations

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#76

4-Chlorotoluene

Concen: 1.841 ug/l

RT: 11.13 min Scan# 3045

Delta R.T. 0.01 min

Lab File: VU035552.D

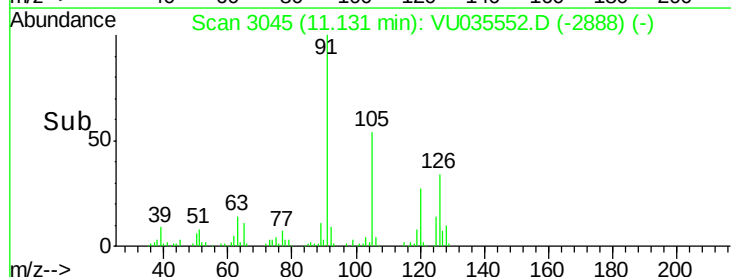
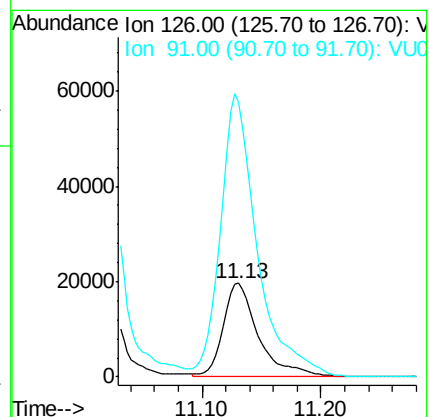
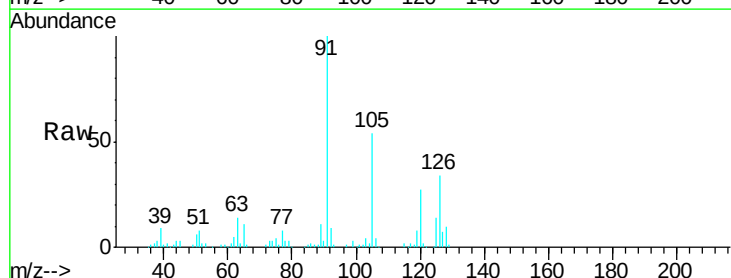
Acq: 30 Oct 2019 11:00

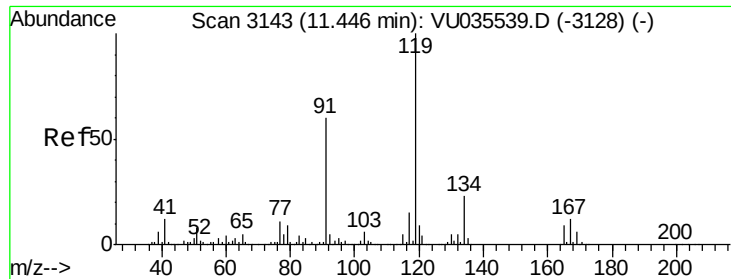
Tgt Ion:126 Resp: 40483

Ion Ratio Lower Upper

126 100

91 312.1 0.0 637.0





#77

tert-Butylbenzene

Concen: 1.771 ug/l

RT: 11.45 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

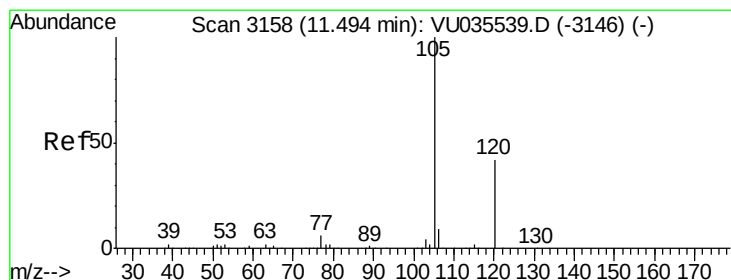
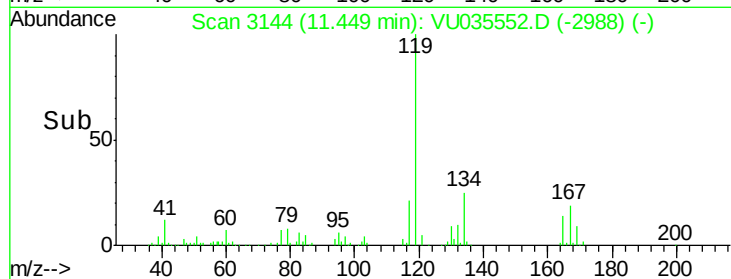
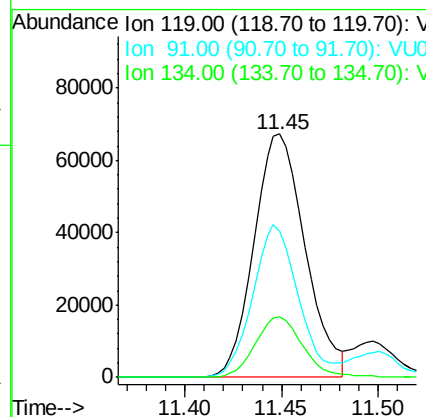
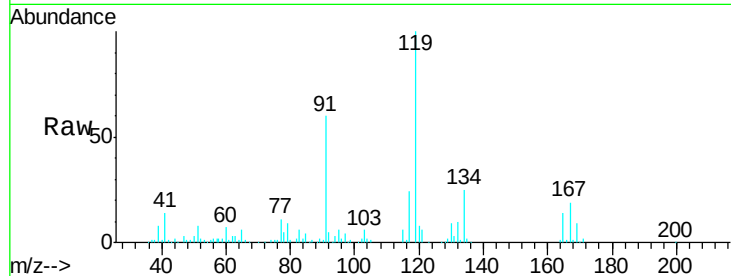
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	55.5	27.9	83.7
134	23.3	18.3	27.5

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#78

1,2,4-Trimethylbenzene

Concen: 1.584 ug/l

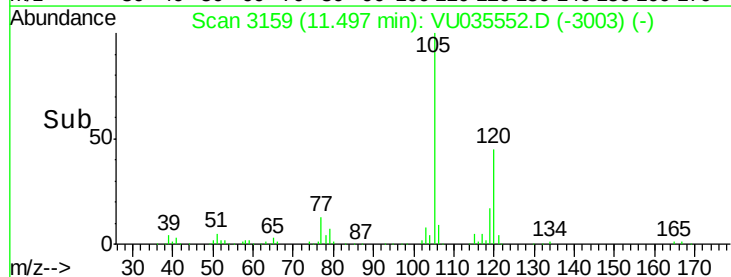
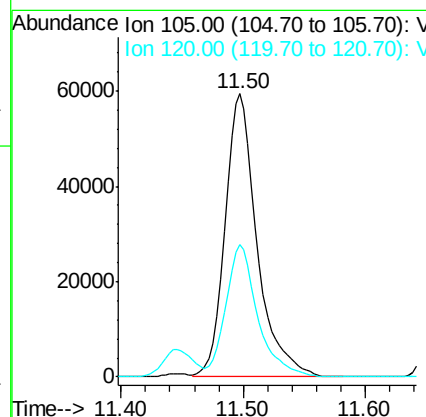
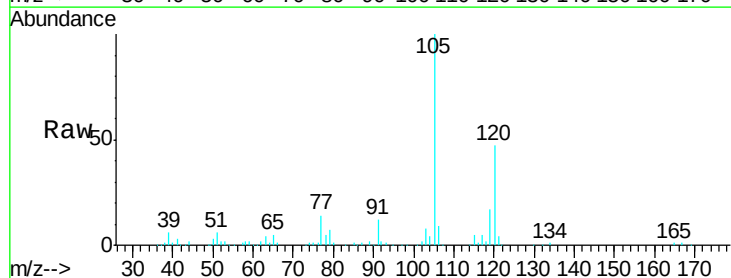
RT: 11.50 min Scan# 3159

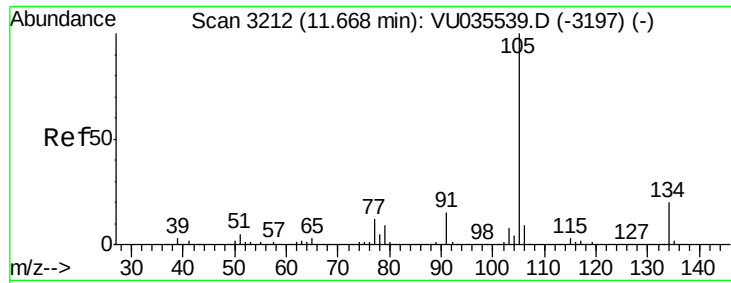
Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	46.8	23.2	69.5





#79

sec-Butylbenzene

Concen: 1.664 ug/l

RT: 11.67 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion: 105 Resp: 148756

Ion Ratio Lower Upper

105 100

134 20.8 15.9 23.9

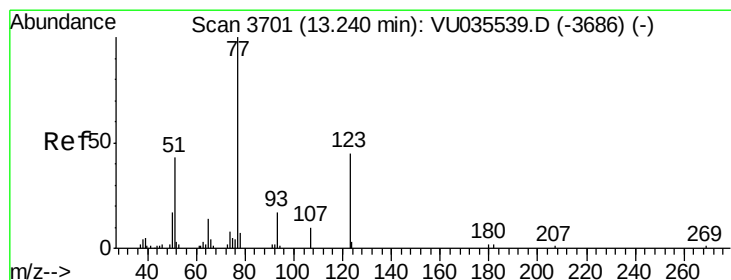
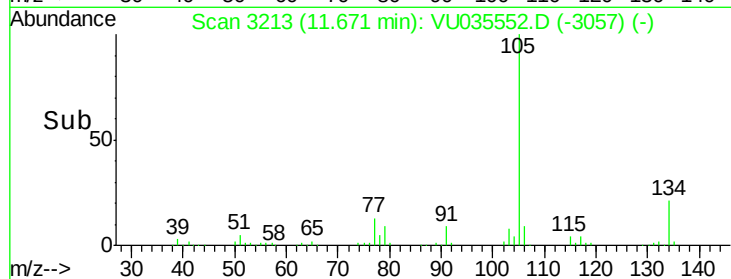
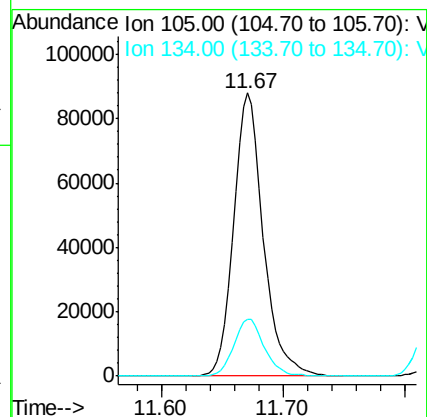
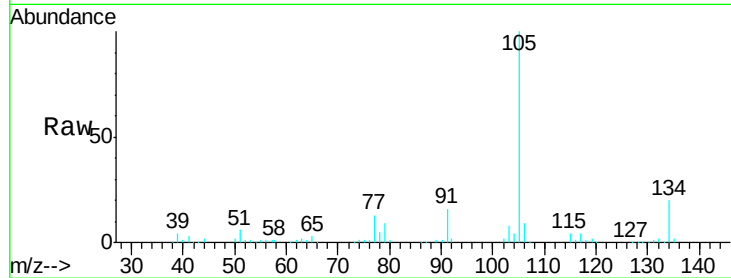
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#80

Nitrobenzene

Concen: 3.627 ug/l

RT: 13.23 min Scan# 3699

Delta R.T. -0.01 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

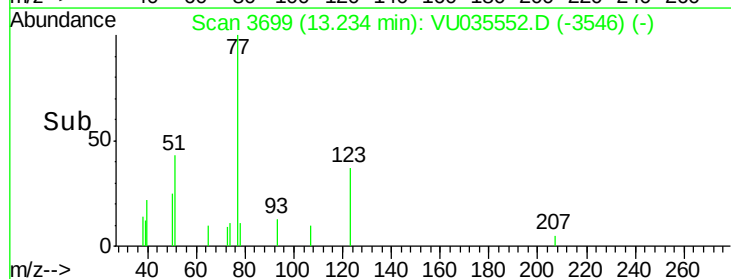
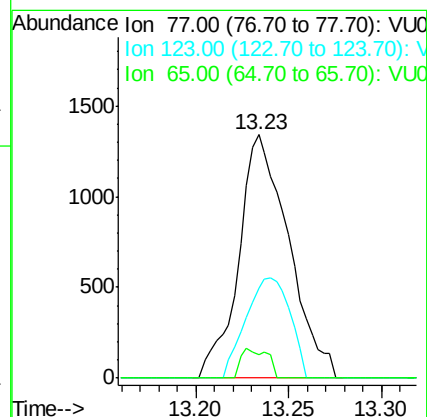
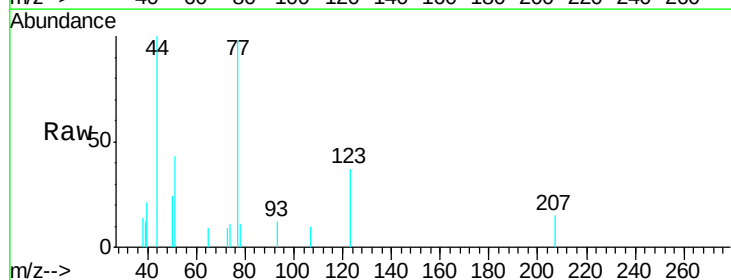
Tgt Ion: 77 Resp: 2511

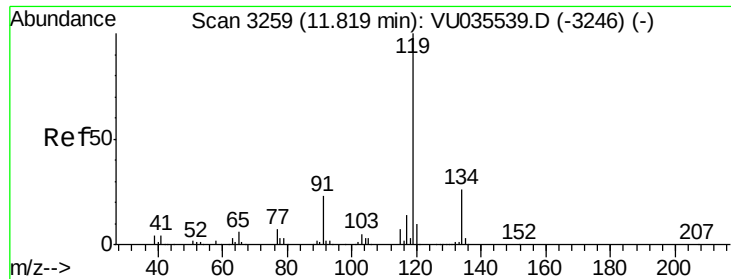
Ion Ratio Lower Upper

77 100

123 36.3 18.9 67.1

65 6.4 11.2 14.2#





#81
p-Isopropyltoluene
Concen: 1.515 ug/l
RT: 11.82 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

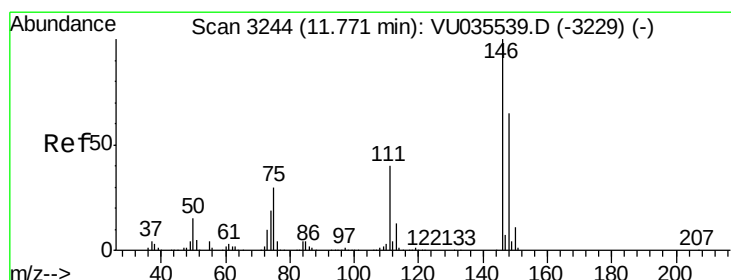
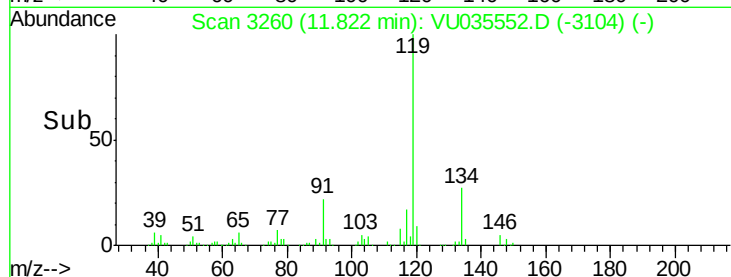
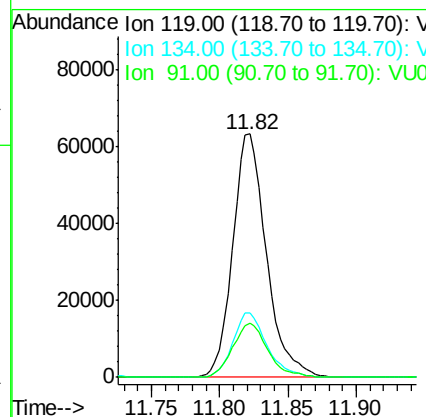
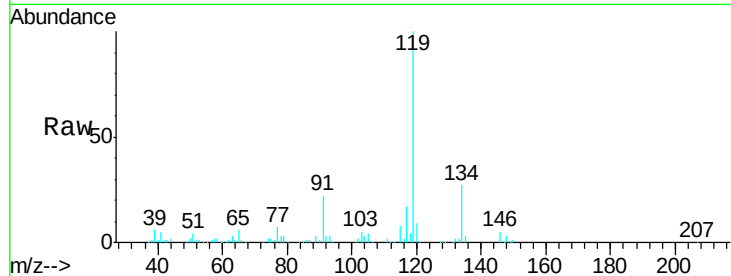
Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
134	27.0	17.0	25.4#
91	23.3	41.3	61.9#

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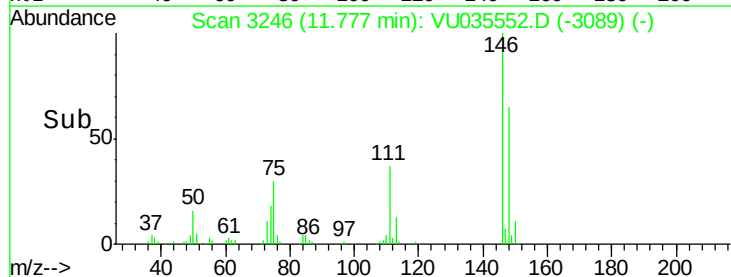
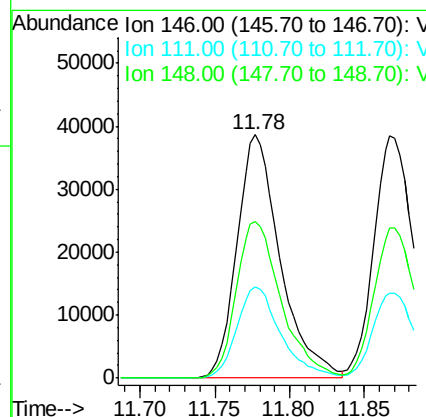
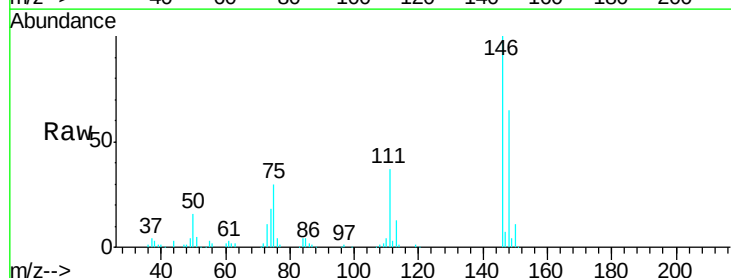
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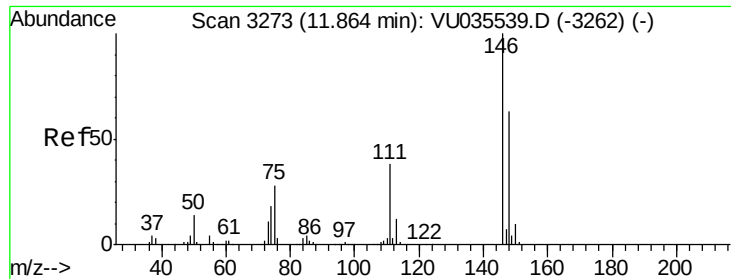
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#82
1,3-Dichlorobenzene
Concen: 1.778 ug/l
RT: 11.78 min Scan# 3246
Delta R.T. 0.01 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	37.9	31.8	47.6
148	66.6	50.9	76.3





#83
 1,4-Dichlorobenzene
 Concen: 1.820 ug/l
 RT: 11.87 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

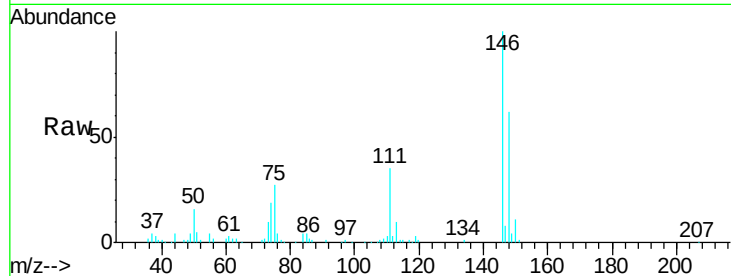
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	30.1	45.1
148	64.2	51.0	76.4

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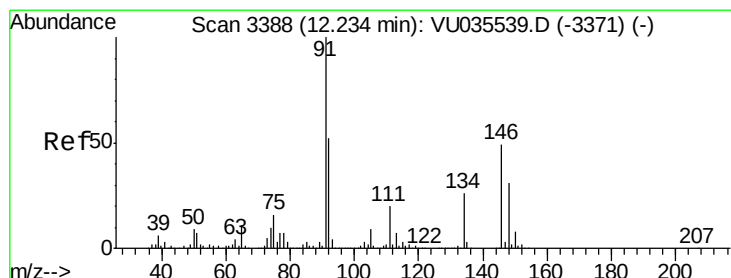
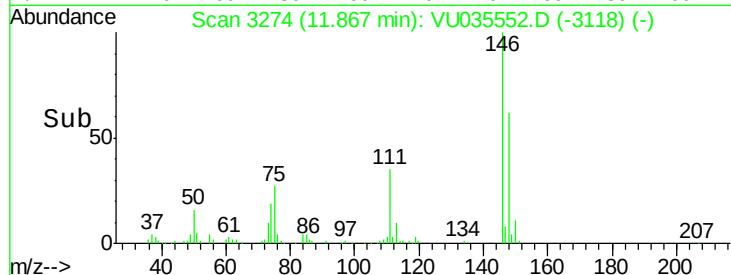
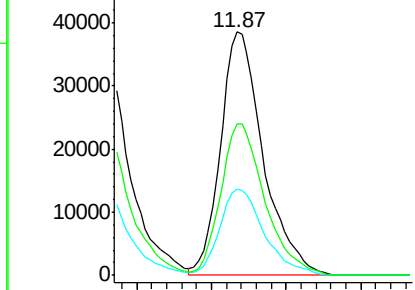


Abundance

Ion 146.00 (145.70 to 146.70): V

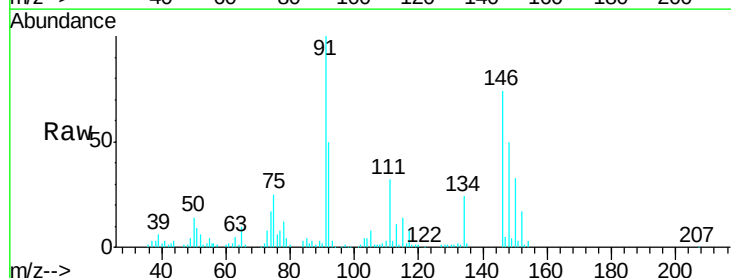
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
 n-Butylbenzene
 Concen: 1.398 ug/l
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.3	41.4	62.0
134	23.9	20.6	30.8

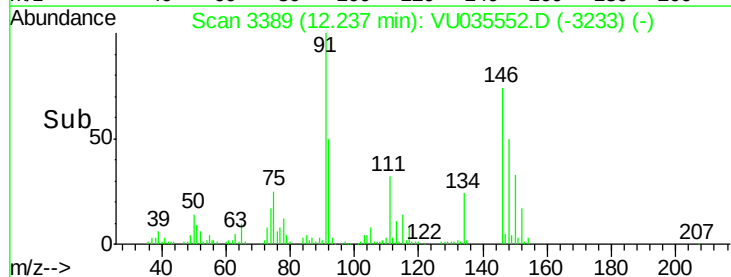
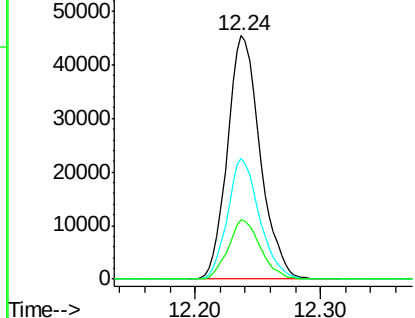


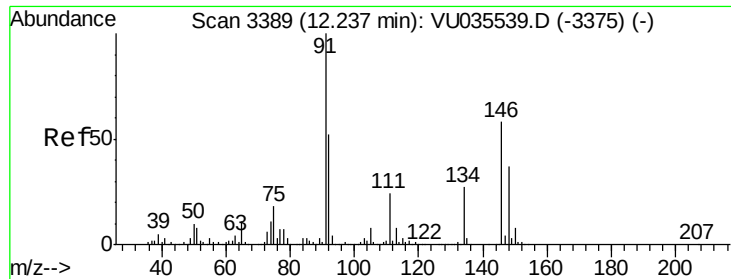
Abundance

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: 1.793 ug/l
 RT: 12.24 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

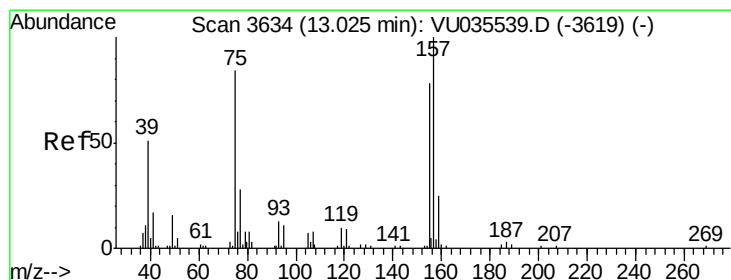
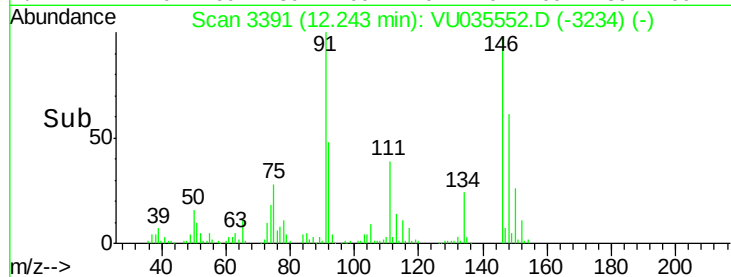
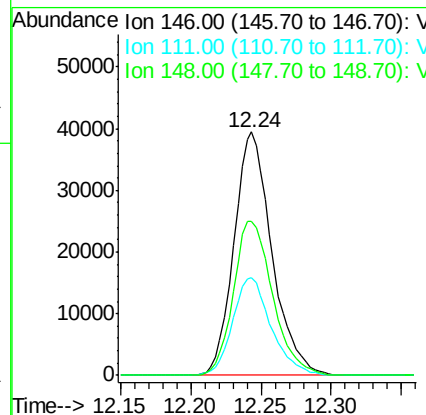
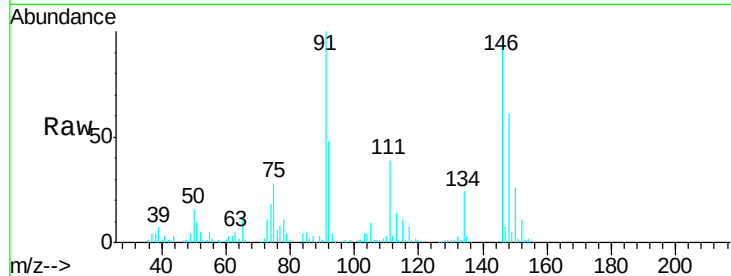
Instrument :
 MSVOA_U
 ClientSampleId :
 VU1030WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.5	61.5
148	65.6	32.0	96.2

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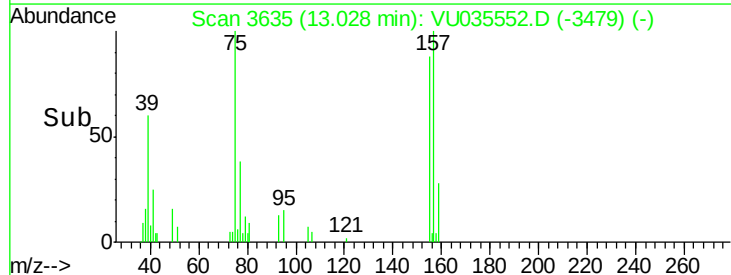
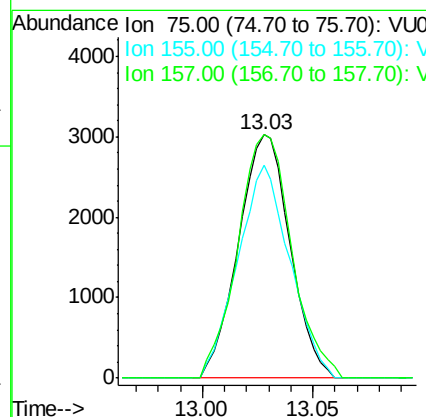
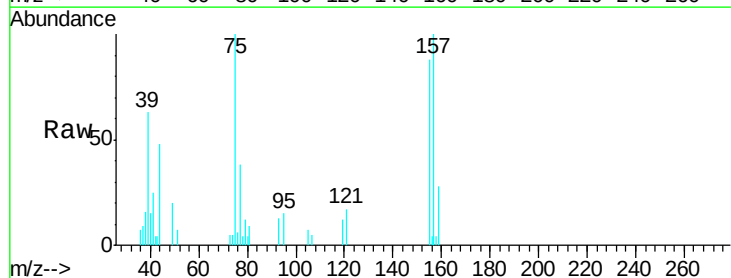
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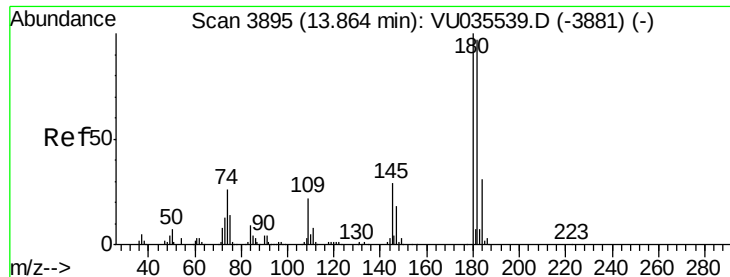
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 1.870 ug/l
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035552.D
 Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	71.3	106.9
157	104.4	91.2	136.8





#87

1,2,4-Trichlorobenzene

Concen: 1.636 ug/l

RT: 13.87 min Scan# 3896

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

Instrument :

MSVOA_U

ClientSampleId :

VU1030WBS01

Tgt Ion:180 Resp: 21082

Ion Ratio Lower Upper

180 100

182 98.7 77.4 116.0

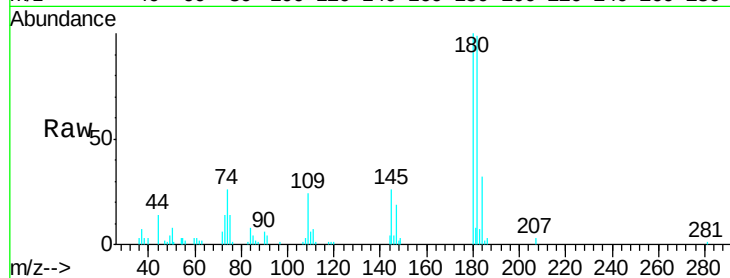
145 27.8 22.6 33.8

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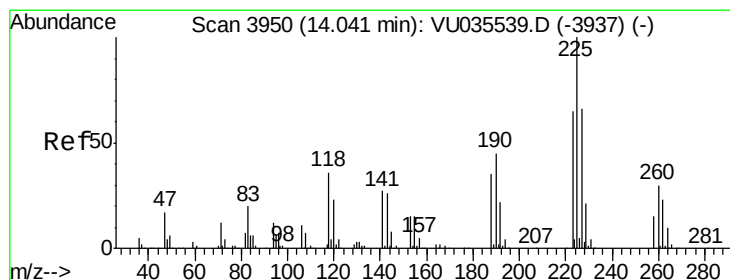
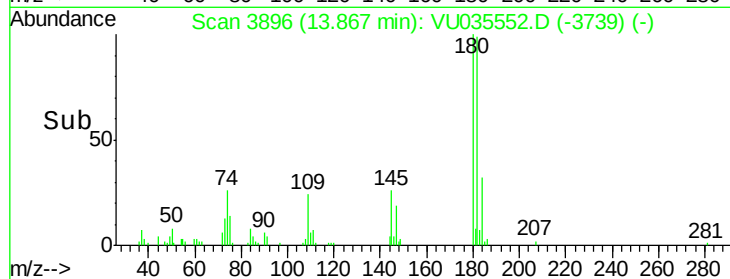
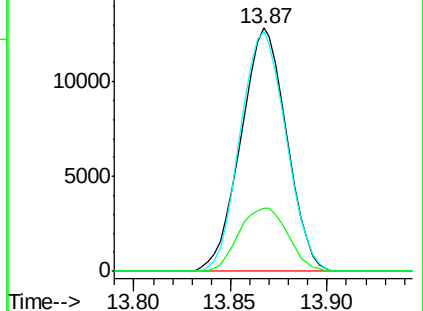
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Abundance Ion 179.70 (179.40 to 180.40): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#88

Hexachlorobutadiene

Concen: 1.674 ug/l

RT: 14.04 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VU035552.D

Acq: 30 Oct 2019 11:00

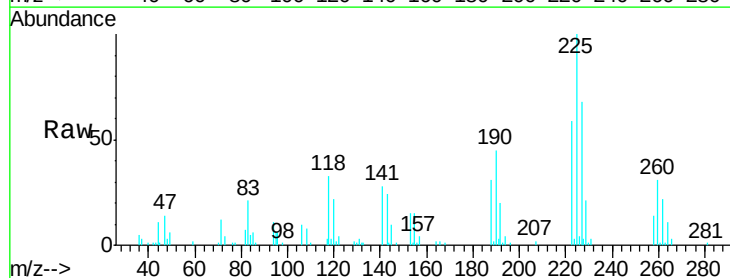
Tgt Ion:225 Resp: 25755

Ion Ratio Lower Upper

225 100

223 60.3 50.7 76.1

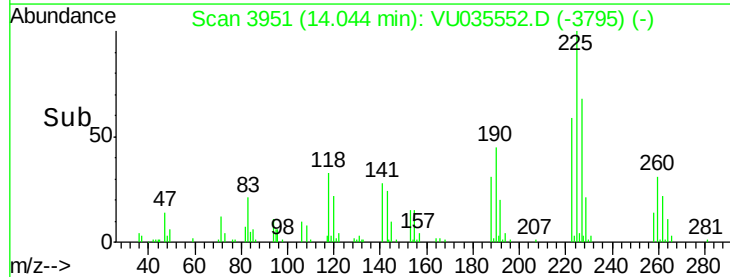
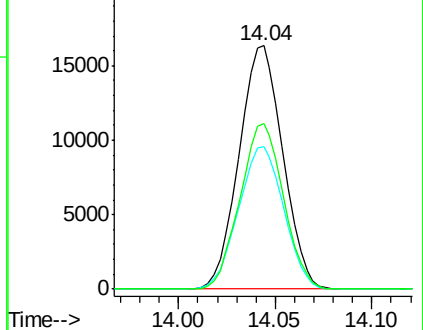
227 67.3 52.2 78.4

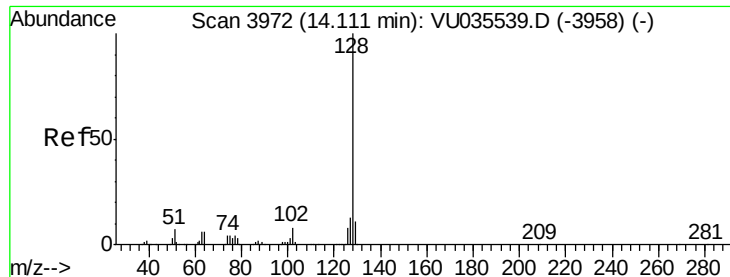


Abundance Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

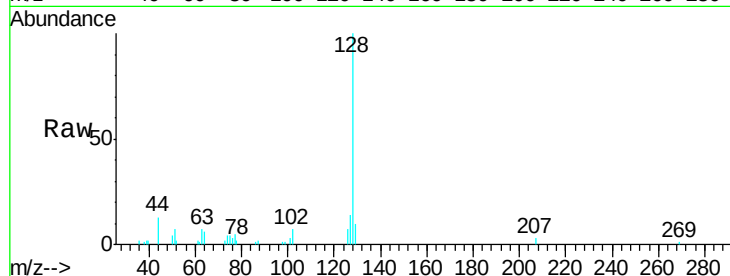
Ion 226.60 (226.30 to 227.30): V





#89
Naphthalene
Concen: 1.565 ug/l
RT: 14.11 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Instrument :
MSVOA_U
ClientSampleId :
VU1030WBS01

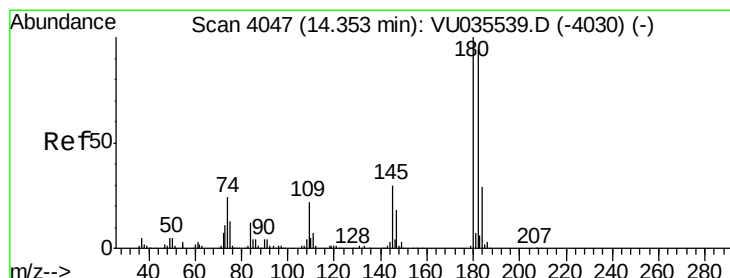
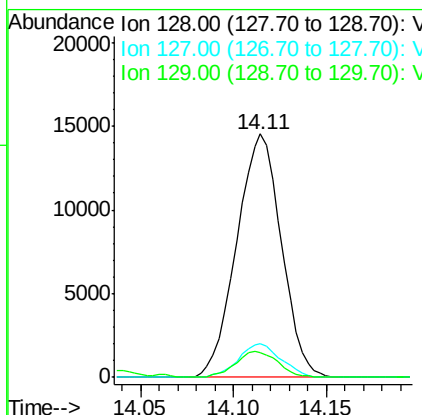
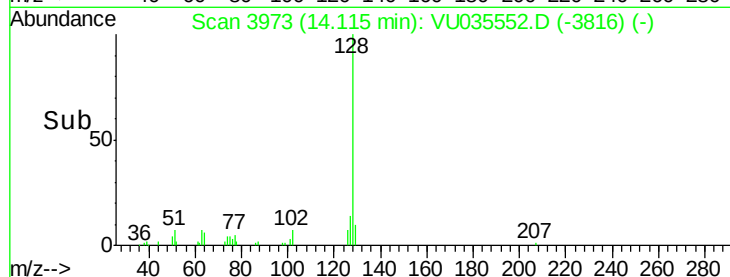


Tgt Ion	Ratio	Resp	Lower	Upper
128	100	24271		
127	13.0	10.3	15.5	
129	10.1	8.6	13.0	

Manual Integrations
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#90
1,2,3-Trichlorobenzene
Concen: 1.624 ug/l
RT: 14.36 min Scan# 4048
Delta R.T. 0.00 min
Lab File: VU035552.D
Acq: 30 Oct 2019 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	22413		
182	94.9	75.8	113.8	
145	29.6	23.7	35.5	

