

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091219\
 Data File : VU034482.D
 Acq On : 11 Sep 2019 18:19
 Operator : JC/SP
 Sample : VU0912WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 7:12:05 AM

Quant Time: Sep 12 05:14:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	248778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	356894	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	354811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	238538	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	198858	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	4.86	113	181289	54.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.18%	
50) Toluene-d8	7.54	98	671466	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
62) 4-Bromofluorobenzene	10.29	95	248131	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50764	19.511	ug/l	96
3) Chloromethane	1.32	50	61193	21.721	ug/l	99
4) Vinyl Chloride	1.40	62	62523	19.284	ug/l	100
5) Bromomethane	1.62	94	40447	22.216	ug/l	99
6) Chloroethane	1.69	64	42325	21.897	ug/l	99
7) Trichlorofluoromethane	1.88	101	92820	21.351	ug/l	99
8) Diethyl Ether	2.09	74	40942	21.411	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61068	21.209	ug/l	100
10) Methyl Iodide	2.40	142	40179	17.925	ug/l	99
11) Tert butyl alcohol	2.81	59	91384	114.917	ug/l	96
12) 1,1-Dichloroethene	2.27	96	55471	20.494	ug/l	98
13) Acrolein	2.18	56	39034	58.402	ug/l	97
14) Allyl chloride	2.58	41	104264m	20.149	ug/l	
15) Acrylonitrile	2.92	53	215124	108.634	ug/l	97
16) Acetone	2.31	43	188786	96.918	ug/l	99
17) Carbon Disulfide	2.47	76	106193	17.456	ug/l	99
18) Methyl Acetate	2.60	43	99814	21.059	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	217494	22.045	ug/l	99
20) Methylene Chloride	2.69	84	72855	22.616	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	59228	20.765	ug/l	96
22) Diisopropyl ether	3.55	45	227962	22.590	ug/l	95
23) Vinyl Acetate	3.50	43	885143	107.680	ug/l	99
24) 1,1-Dichloroethane	3.43	63	130467	21.649	ug/l	99
25) 2-Butanone	4.24	43	275822	106.078	ug/l	100
26) 2,2-Dichloropropane	4.20	77	104395	21.538	ug/l	98
27) cis-1,2-Dichloroethene	4.21	96	75429	21.774	ug/l	100
28) Bromochloromethane	4.52	49	64808	23.380	ug/l	98
29) Tetrahydrofuran	4.62	42	173465	109.633	ug/l	100
30) Chloroform	4.65	83	133181	21.741	ug/l	99
31) Cyclohexane	4.97	56	86985	19.729	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	107121	21.872	ug/l	100
36) 1,1-Dichloropropene	5.12	75	80413	20.776	ug/l	99
37) Ethyl Acetate	4.36	43	101766	22.238	ug/l	98
38) Carbon Tetrachloride	5.11	117	90498	21.898	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	81308	19.651	ug/l	99
40) Benzene	5.37	78	272710	21.835	ug/l	100
41) Methacrylonitrile	4.52	41	54868	22.509	ug/l	99
42) 1,2-Dichloroethane	5.38	62	96523	22.260	ug/l	99
43) Isopropyl Acetate	5.53	43	152158	21.314	ug/l	99
44) Trichloroethene	6.17	130	73433	21.248	ug/l	99
45) 1,2-Dichloropropane	6.41	63	80772	22.122	ug/l	98
46) Dibromomethane	6.54	93	51199	22.340	ug/l	99
47) Bromodichloromethane	6.74	83	104173	22.082	ug/l	99
48) Methyl methacrylate	6.60	41	69958	20.632	ug/l	96
49) 1,4-Dioxane	6.59	88	29571	399.391	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	539813	109.240	ug/l	100
52) Toluene	7.62	92	174754	22.305	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	103783	21.222	ug/l	98
54) cis-1,3-Dichloropropene	7.25	75	119715	22.304	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	79871	22.451	ug/l	95
56) Ethyl methacrylate	8.00	69	103779	21.096	ug/l	100
57) 1,3-Dichloropropane	8.22	76	127448	22.001	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	165718	101.219	ug/l	99
59) 2-Hexanone	8.34	43	397626	107.712	ug/l	98
60) Dibromochloromethane	8.45	129	87481	22.926	ug/l	99
61) 1,2-Dibromoethane	8.57	107	78031	22.410	ug/l	99
64) Tetrachloroethene	8.21	164	65466	21.268	ug/l	98
65) Chlorobenzene	9.10	112	198627	22.065	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	77290	22.498	ug/l	99
67) Ethyl Benzene	9.23	91	319267	21.692	ug/l	100
68) m/p-Xylenes	9.35	106	247370	44.633	ug/l	99
69) o-Xylene	9.76	106	121695	22.452	ug/l	100
70) Styrene	9.77	104	216621	22.795	ug/l	99
71) Bromoform	9.94	173	67525	22.680	ug/l #	100
73) Isopropylbenzene	10.14	105	331012	21.323	ug/l	100
74) N-amyl acetate	9.99	43	128011	20.486	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.43	83	135787	21.610	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	116108m	22.299	ug/l	
77) Bromobenzene	10.43	156	94150	21.691	ug/l	99
78) n-propylbenzene	10.57	91	385085	21.479	ug/l	100
79) 2-Chlorotoluene	10.64	91	238783	21.829	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	291475	22.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	36068m	23.295	ug/l	
82) 4-Chlorotoluene	10.75	91	276134	21.935	ug/l	100
83) tert-Butylbenzene	11.08	119	280564	21.602	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	294279	22.518	ug/l	99
85) sec-Butylbenzene	11.30	105	338214	22.058	ug/l	99
86) p-Isopropyltoluene	11.45	119	310922	21.970	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	171573	21.662	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	173366	20.985	ug/l	99
89) n-Butylbenzene	11.87	91	256075	20.822	ug/l	99
90) Hexachloroethane	12.12	117	50164	22.155	ug/l	97
91) 1,2-Dichlorobenzene	11.85	146	168352	21.627	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25358	21.962	ug/l	97

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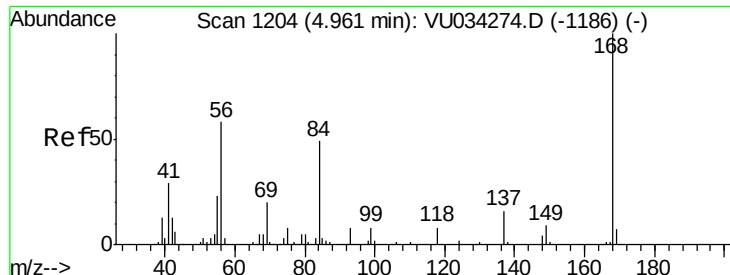
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QLast Update : Fri Sep 06 05:10:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	102854	20.413	ug/l	99
94) Hexachlorobutadiene	13.67	225	59957	22.020	ug/l	98
95) Naphthalene	13.72	128	257087	18.854	ug/l	98
96) 1,2,3-Trichlorobenzene	13.97	180	105591	20.981	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion:168 Resp: 248778

Ion Ratio Lower Upper

168 100

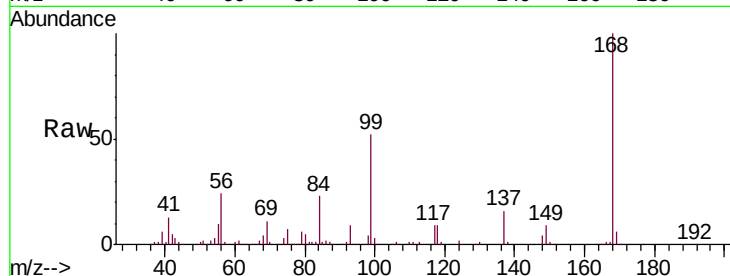
99 51.5 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

4.96

120000

100000

80000

60000

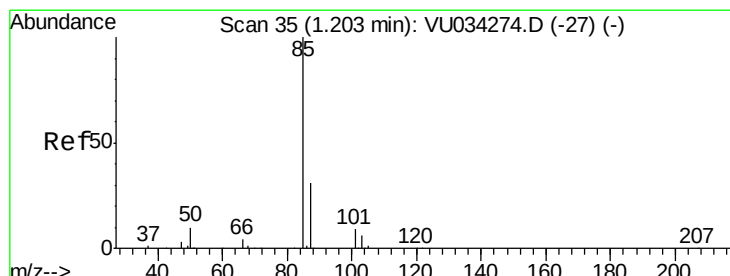
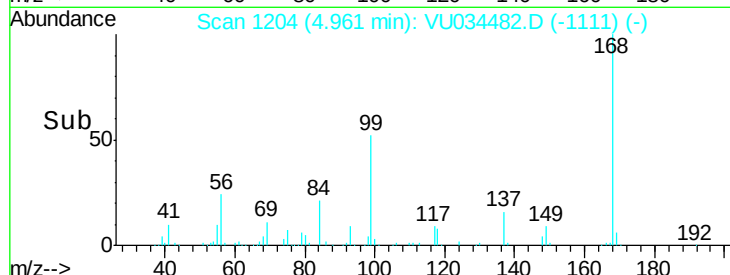
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.511 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034482.D

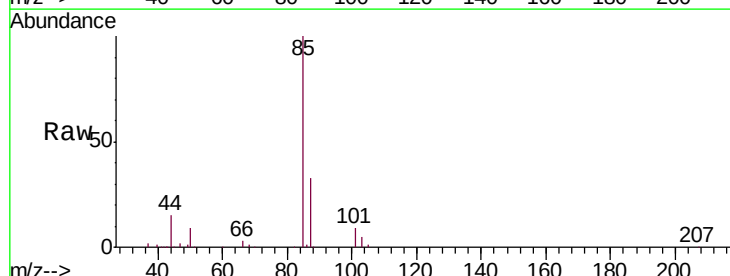
Acq: 11 Sep 2019 18:19

Tgt Ion: 85 Resp: 50764

Ion Ratio Lower Upper

85 100

87 33.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

50000

40000

30000

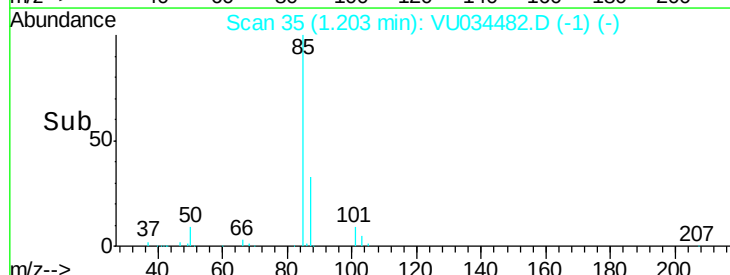
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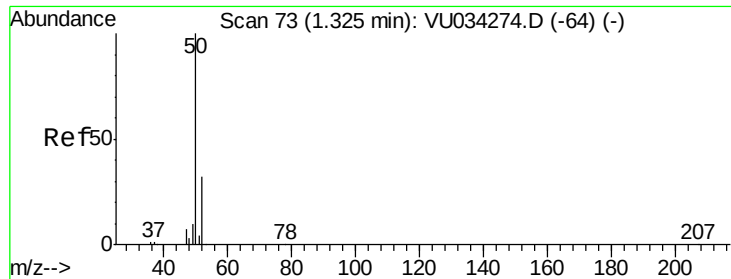
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 21.721 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 50 Resp: 61193

Ion Ratio Lower Upper

50 100

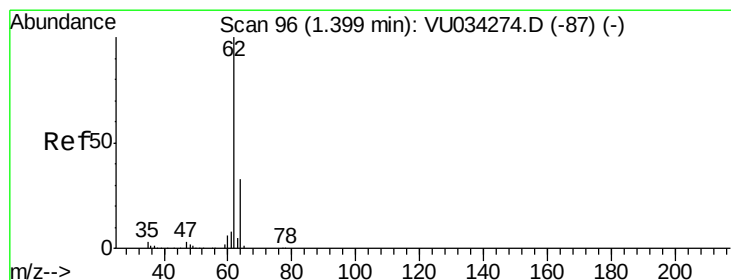
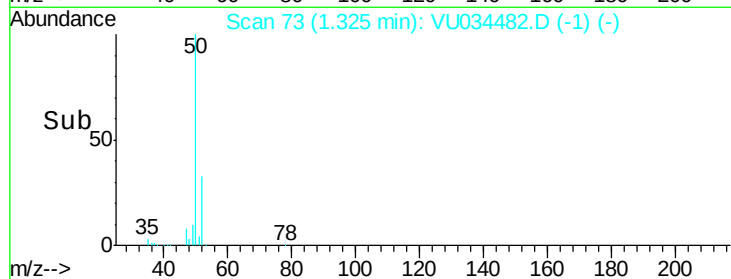
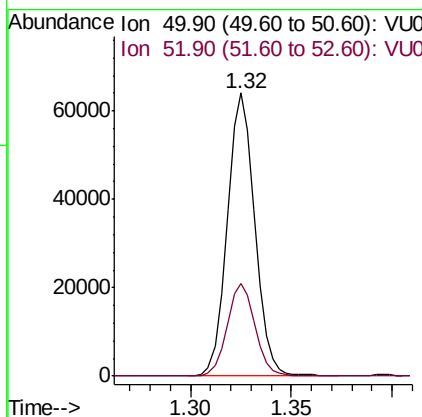
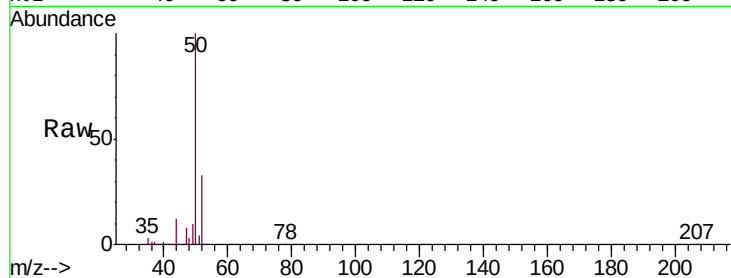
52 32.9 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.284 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034482.D

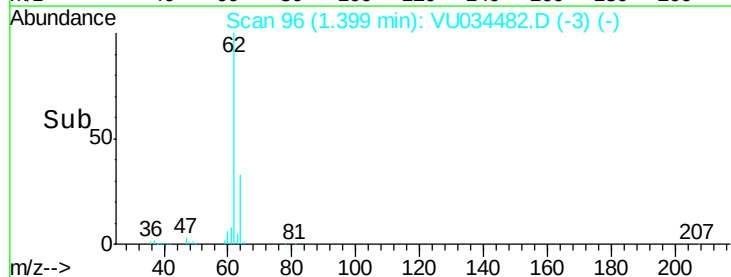
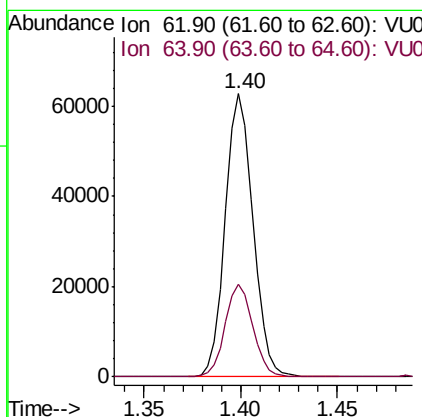
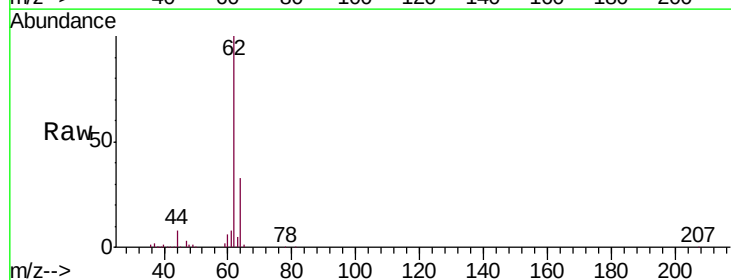
Acq: 11 Sep 2019 18:19

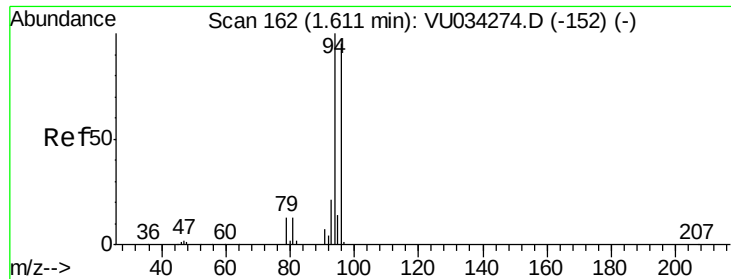
Tgt Ion: 62 Resp: 62523

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 22.216 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 94 Resp: 40447

Ion Ratio Lower Upper

94 100

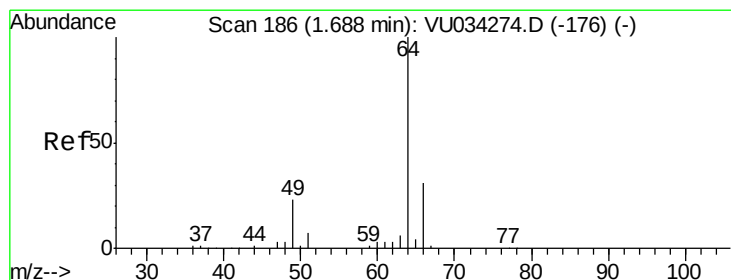
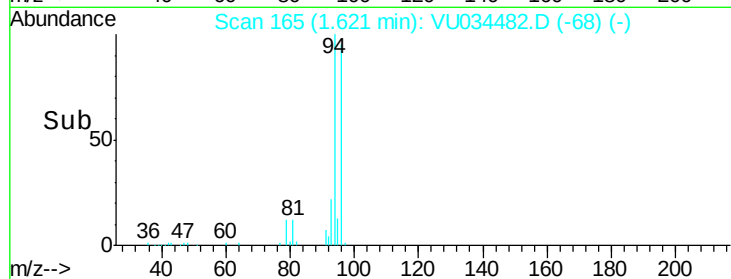
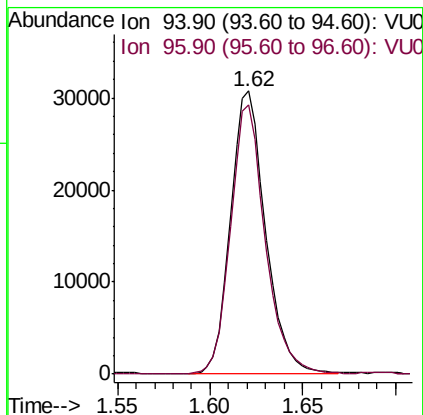
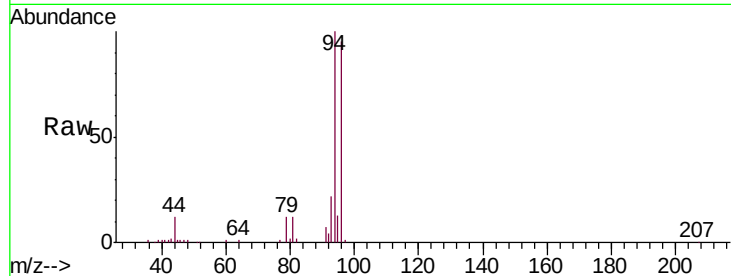
96 95.3 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 21.897 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034482.D

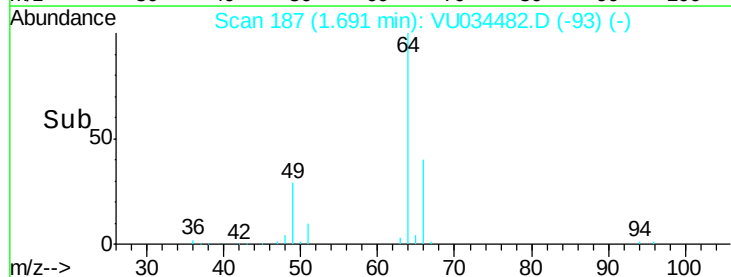
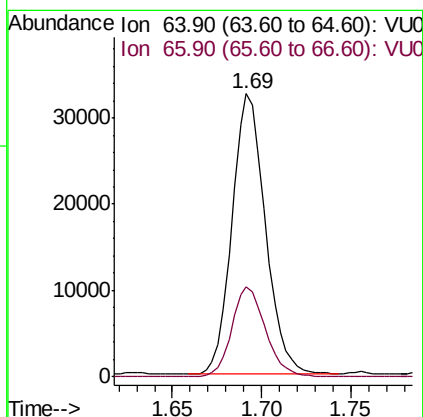
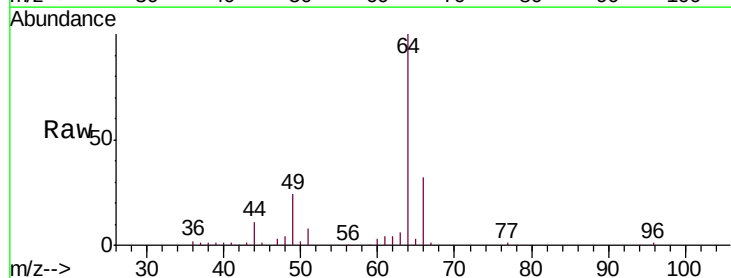
Acq: 11 Sep 2019 18:19

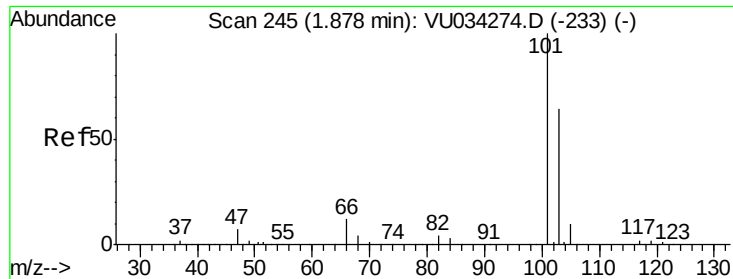
Tgt Ion: 64 Resp: 42325

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.6





#7

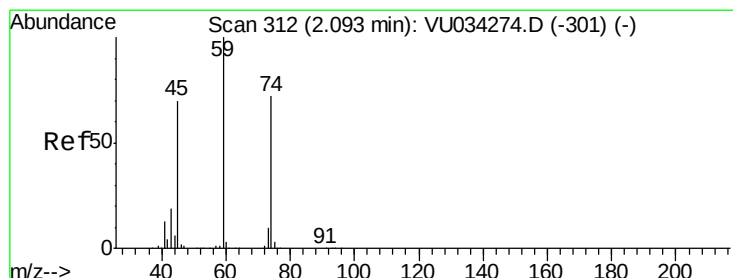
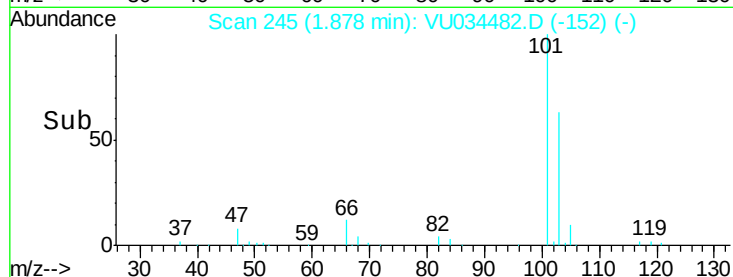
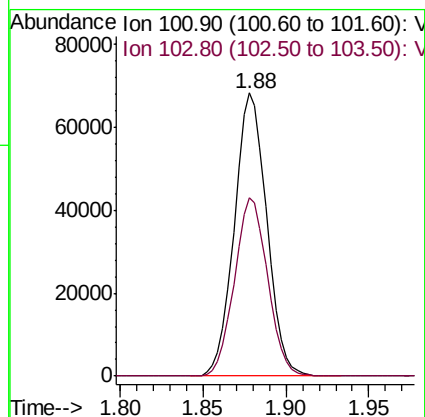
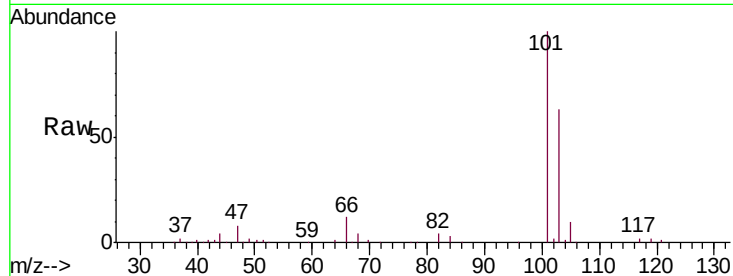
Trichlorofluoromethane
Concen: 21.351 ug/l
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion:101 Resp: 92820
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.6

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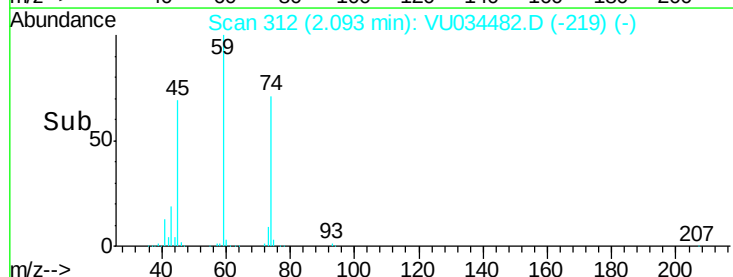
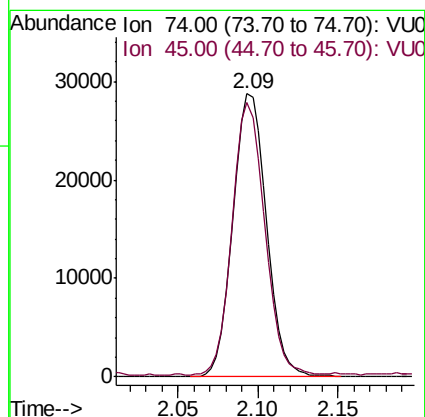
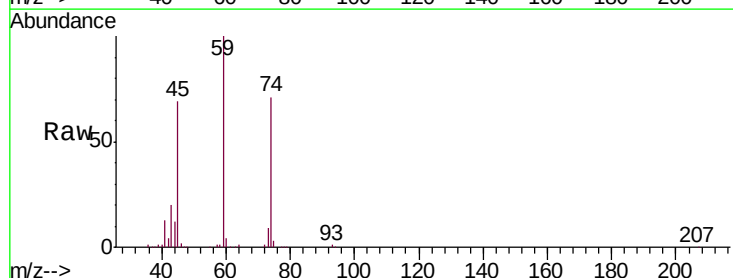
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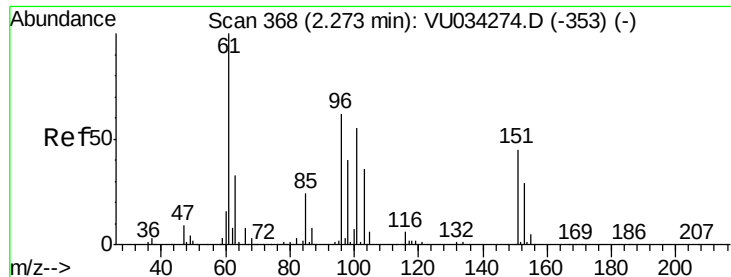


#8

Diethyl Ether
Concen: 21.411 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion: 74 Resp: 40942
Ion Ratio Lower Upper
74 100
45 93.3 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.209 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

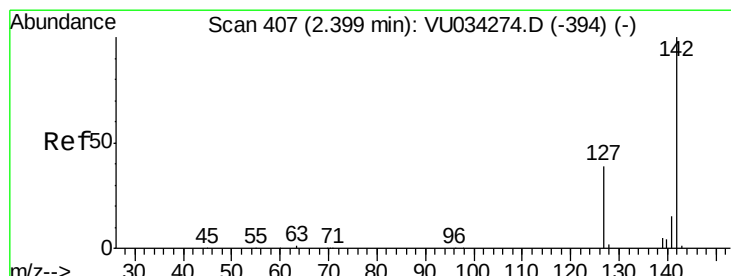
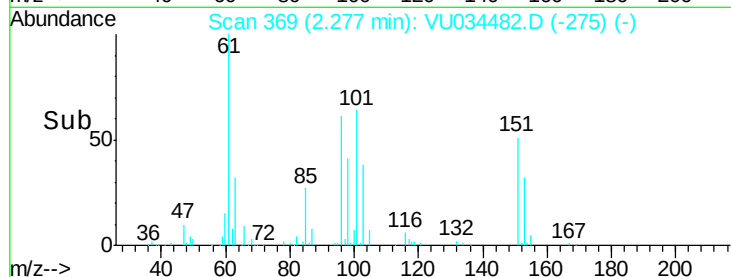
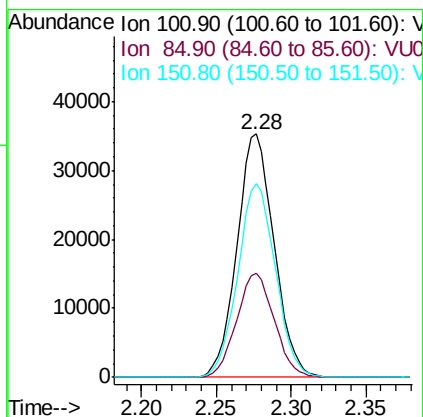
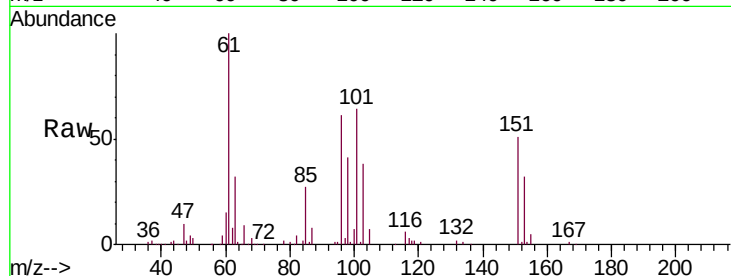
ClientSampleId :

VU0912WBS01

Tgt Ion:	101	Resp:	61068
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.4	51.6
151	80.8	64.4	96.6

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#10

Methyl Iodide

Concen: 17.925 ug/l

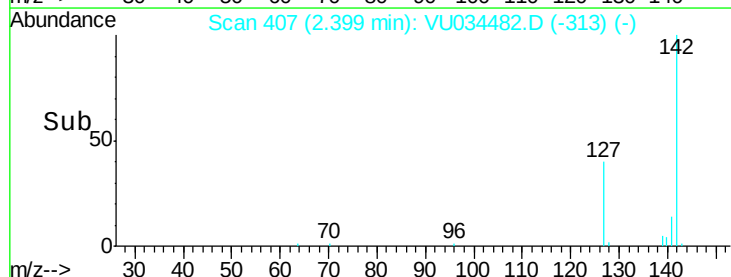
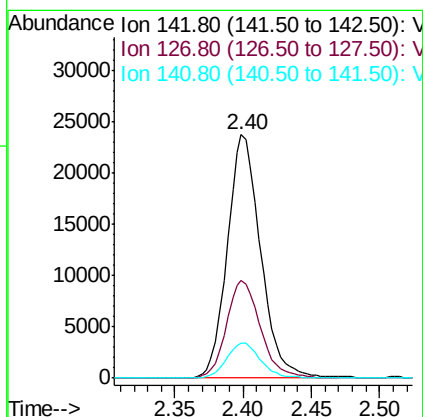
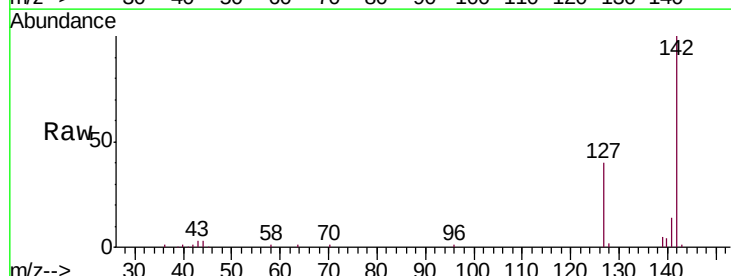
RT: 2.40 min Scan# 407

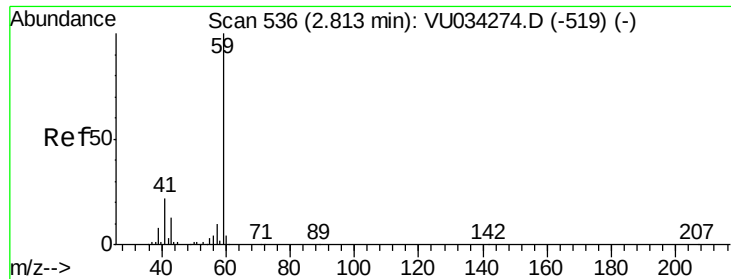
Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Tgt Ion:	142	Resp:	40179
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.1	48.1
141	14.5	11.5	17.3





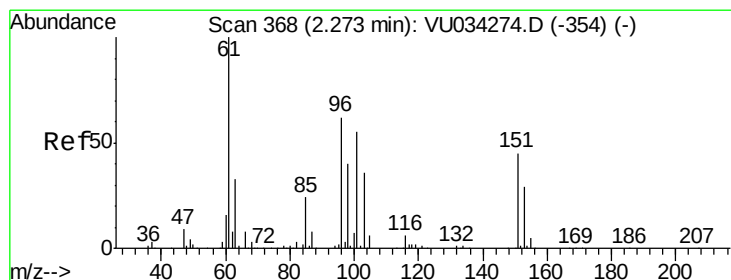
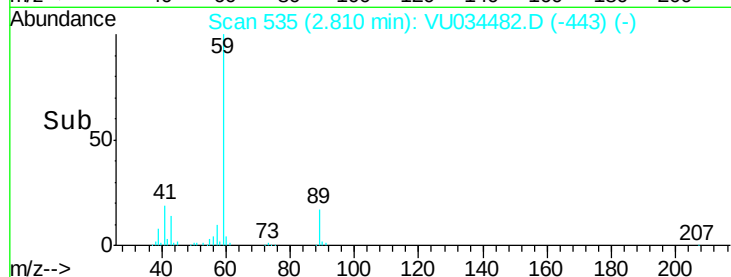
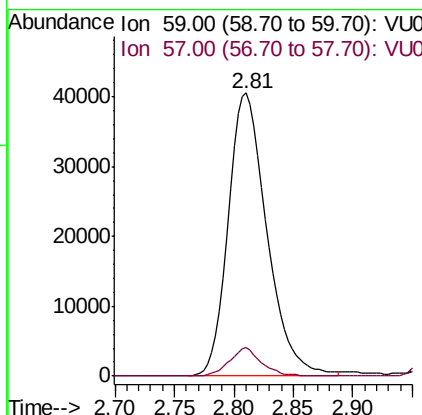
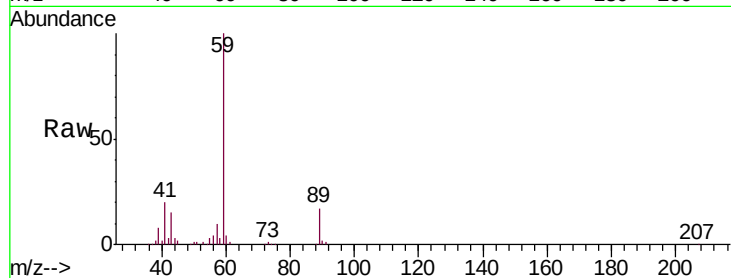
#11
Tert butyl alcohol
Concen: 114.917 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	8.2	7.9	11.9

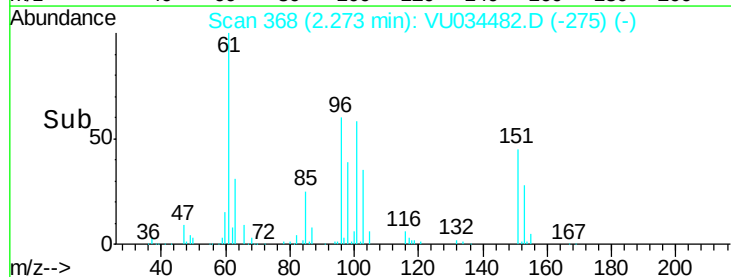
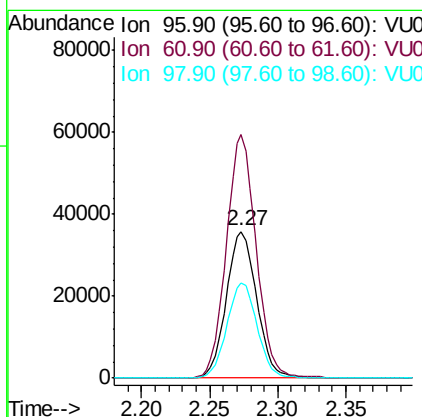
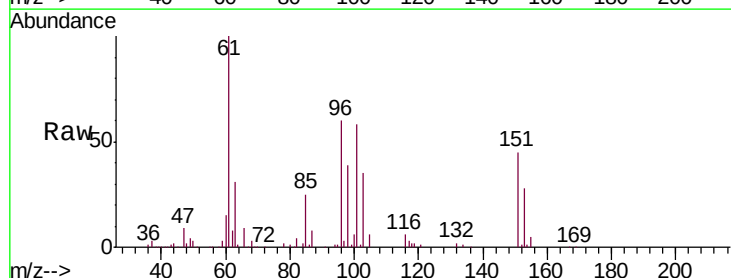
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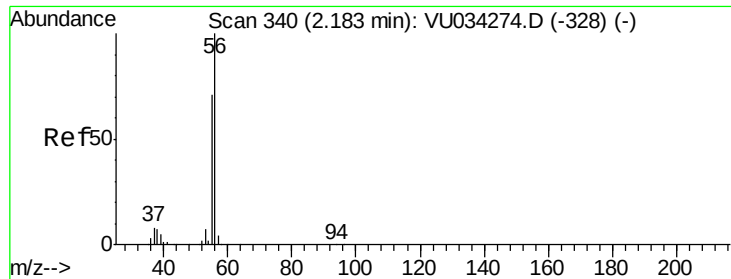
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#12
1,1-Dichloroethene
Concen: 20.494 ug/l
RT: 2.27 min Scan# 368
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	130.0	195.0
98	65.0	52.2	78.4





#13

Acrolein

Concen: 58.402 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 56 Resp: 39034

Ion Ratio Lower Upper

56 100

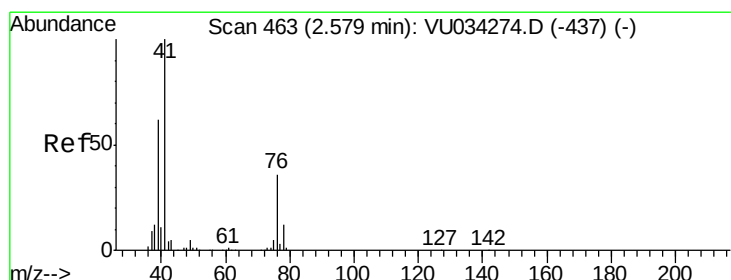
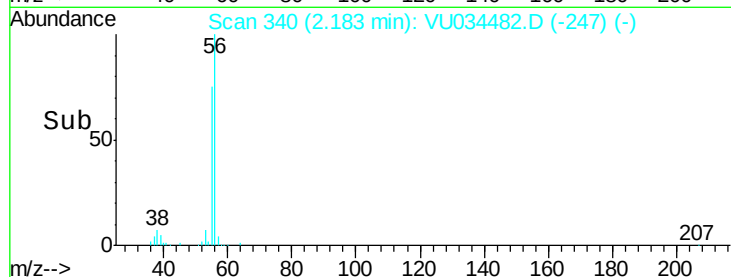
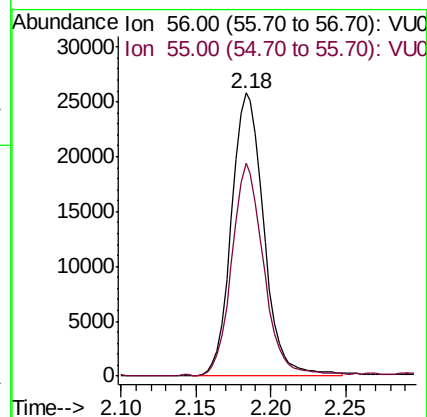
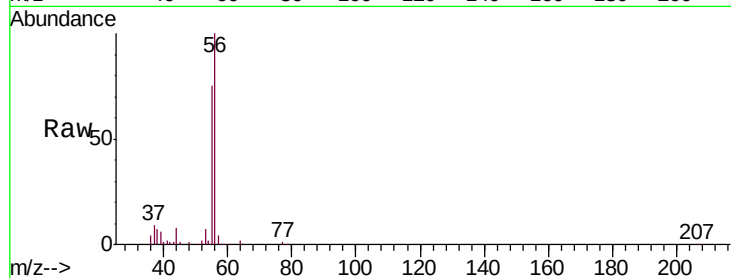
55 74.4 57.4 86.2

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#14

Allyl chloride

Concen: 20.149 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

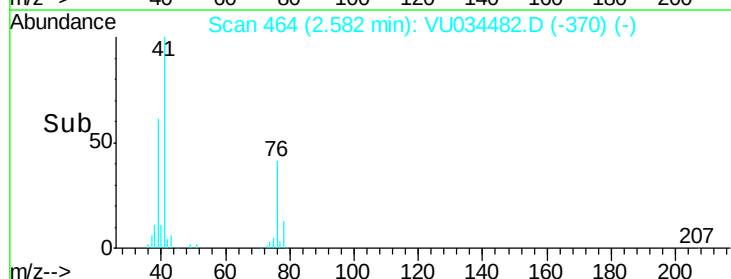
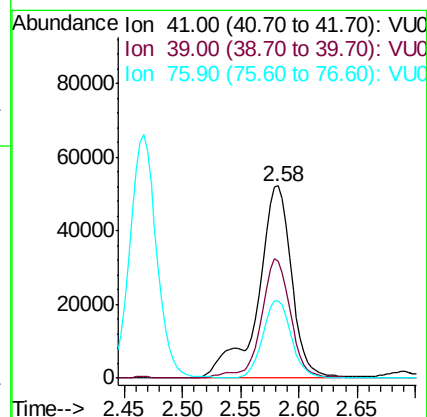
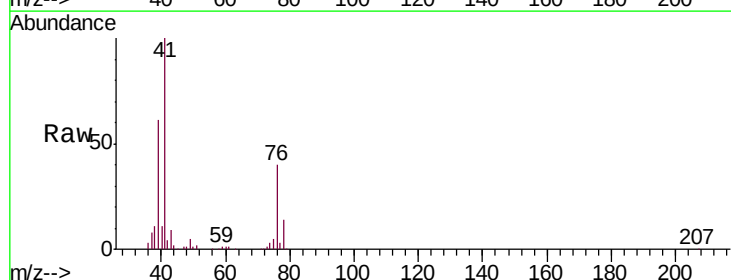
Tgt Ion: 41 Resp: 104264

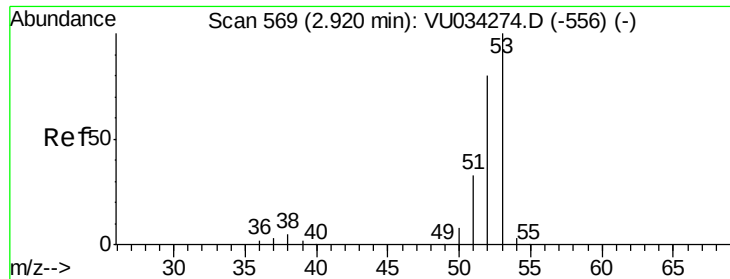
Ion Ratio Lower Upper

41 100

39 54.3 43.5 65.3

76 34.2 27.0 40.6





#15

Acrylonitrile

Concen: 108.634 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

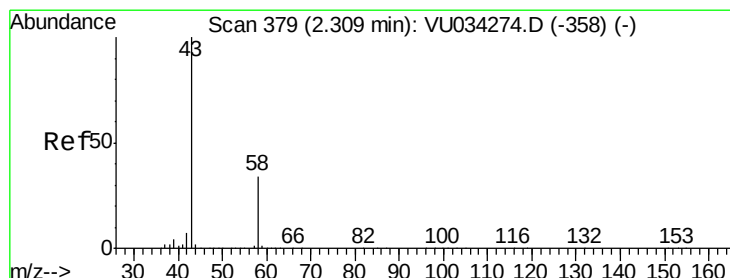
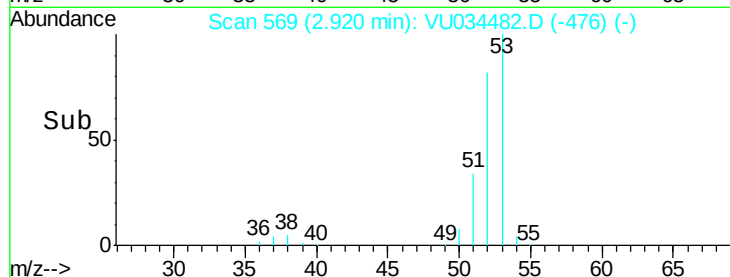
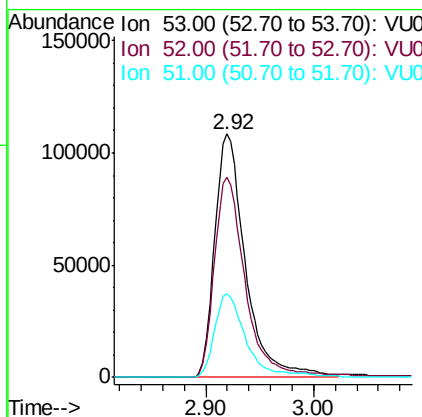
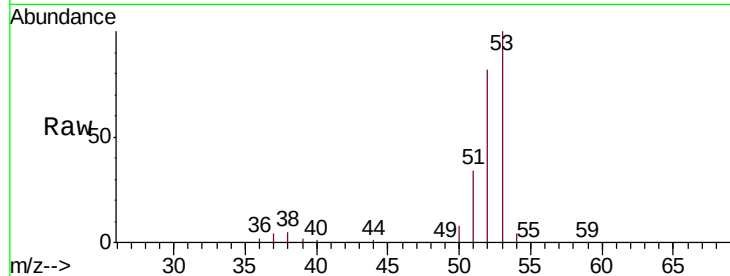
ClientSampled :

VU0912WBS01

Tgt Ion:	53	Resp:	215124
Ion	Ratio	Lower	Upper
53	100		
52	83.1	64.1	96.1
51	35.5	27.4	41.0

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#16

Acetone

Concen: 96.918 ug/l

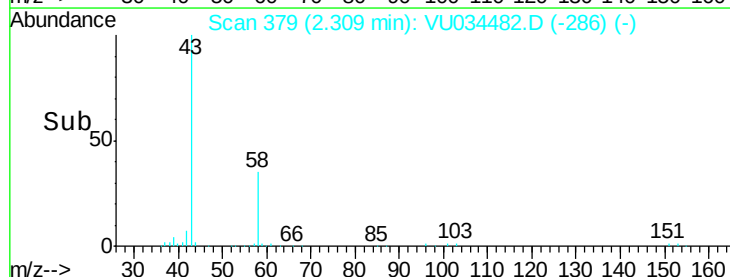
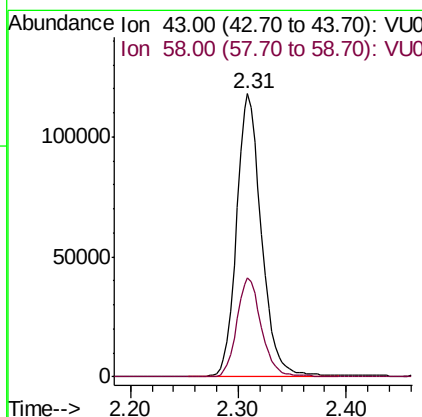
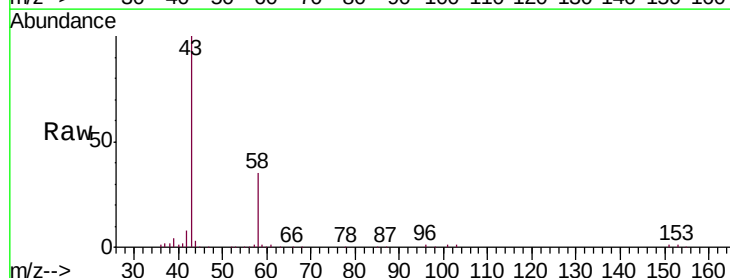
RT: 2.31 min Scan# 379

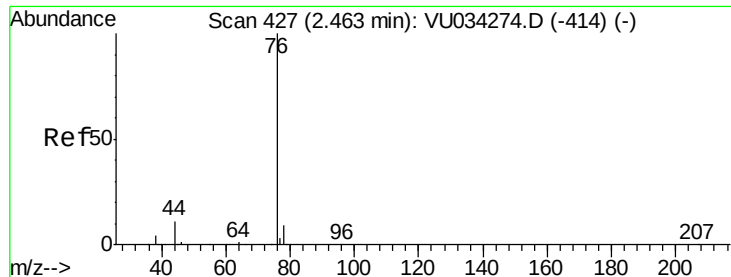
Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Tgt Ion:	43	Resp:	188786
Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.6	41.4





#17

Carbon Disulfide

Concen: 17.456 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 76 Resp: 106193

Ion Ratio Lower Upper

76 100

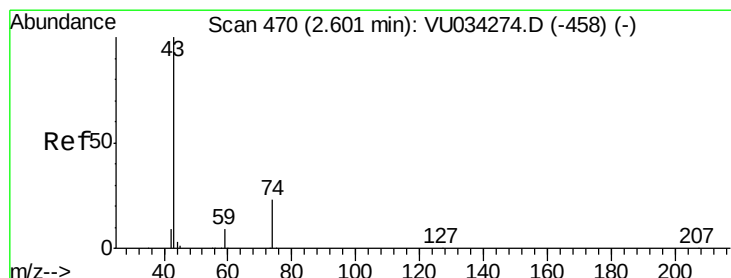
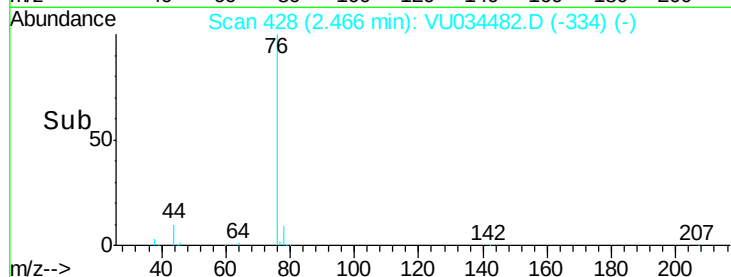
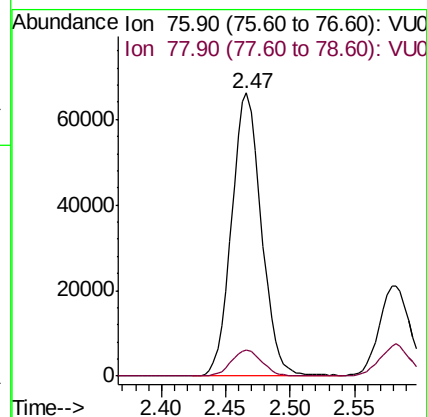
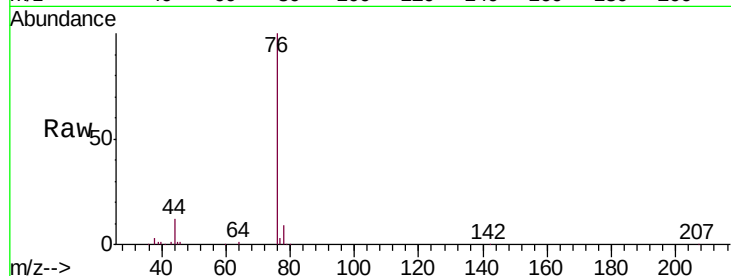
78 9.4 7.2 10.8

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#18

Methyl Acetate

Concen: 21.059 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU034482.D

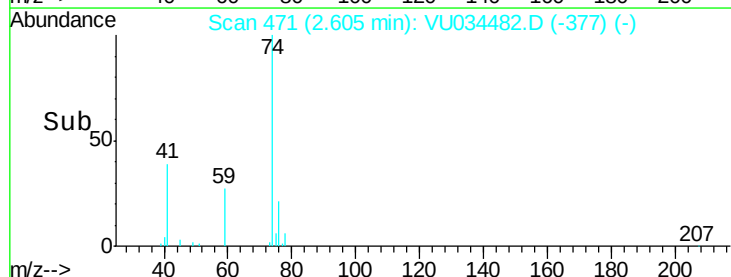
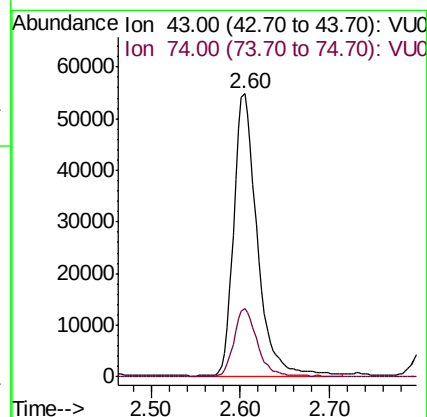
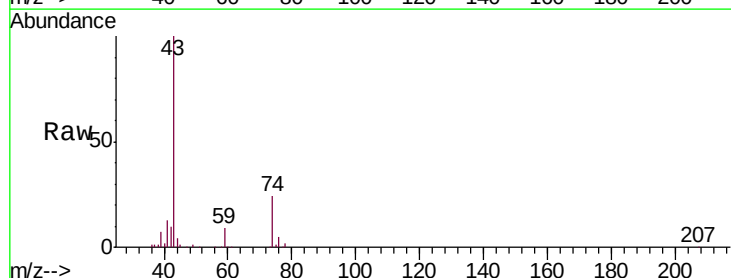
Acq: 11 Sep 2019 18:19

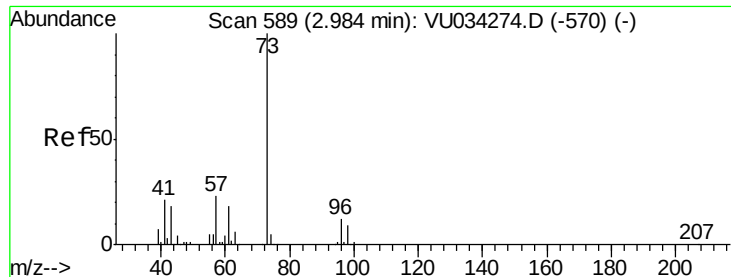
Tgt Ion: 43 Resp: 99814

Ion Ratio Lower Upper

43 100

74 24.3 18.9 28.3





#19

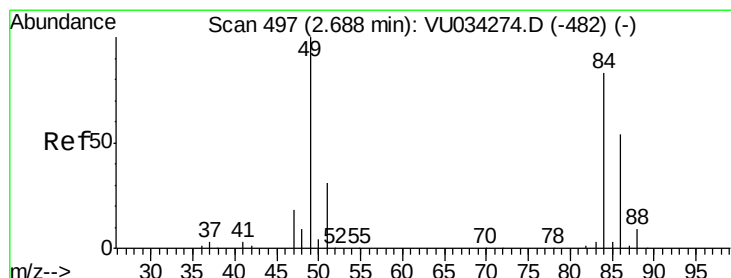
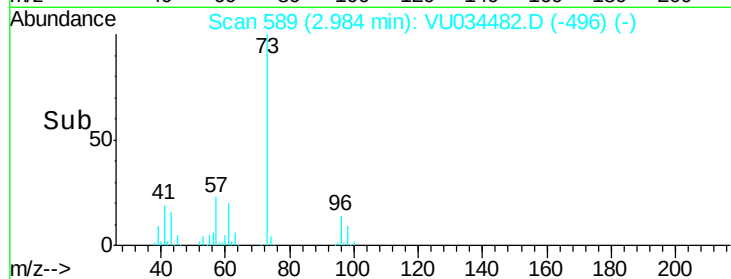
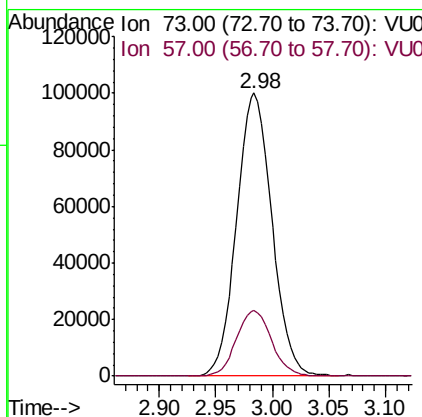
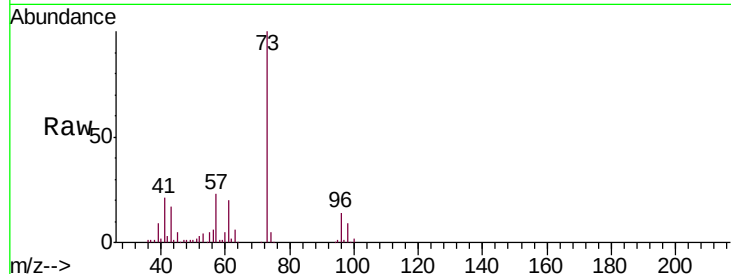
Methyl tert-butyl Ether
 Concen: 22.045 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion: 73 Resp: 217494
 Ion Ratio Lower Upper
 73 100
 57 23.2 18.2 27.4

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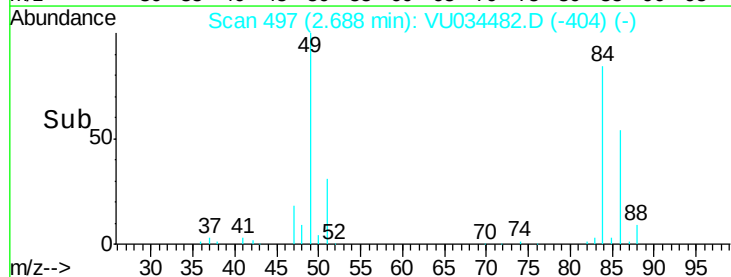
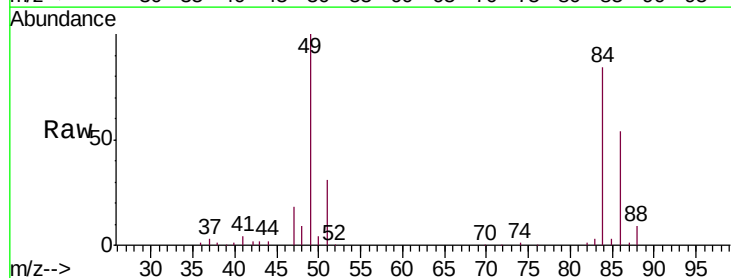
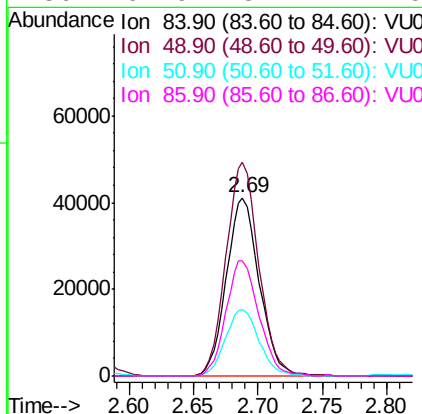
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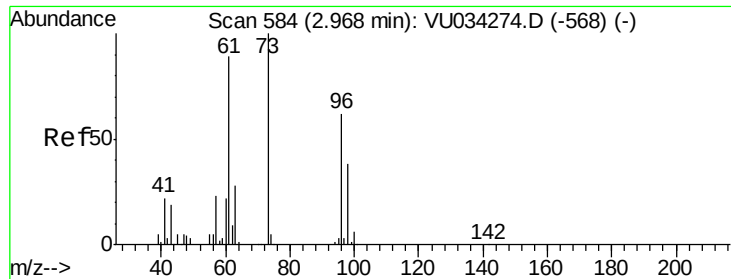


#20

Methylene Chloride
 Concen: 22.616 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion: 84 Resp: 72855
 Ion Ratio Lower Upper
 84 100
 49 119.7 96.0 144.0
 51 37.3 30.0 45.0
 86 64.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.765 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

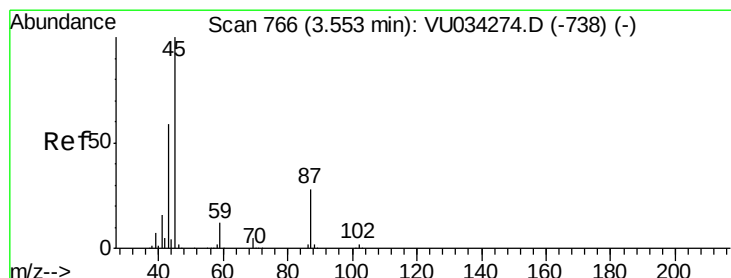
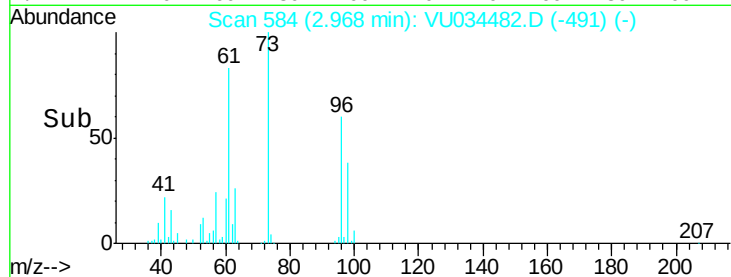
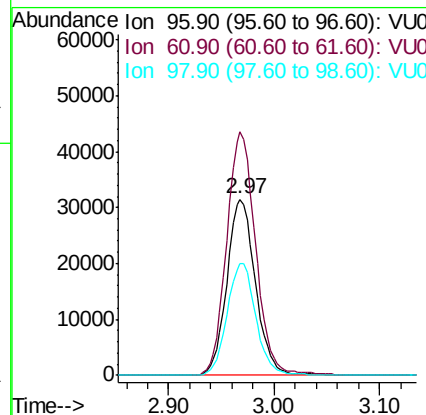
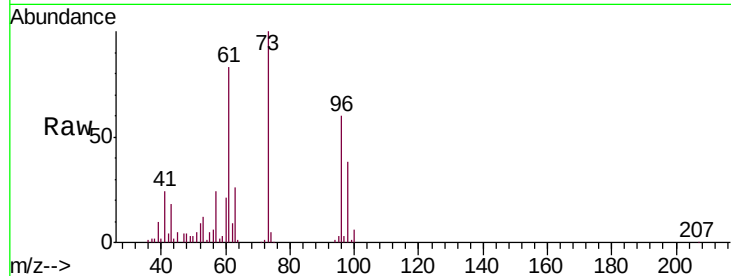
ClientSampleId :

VU0912WBS01

Tgt Ion:	96	Resp:	59228
Ion	Ratio	Lower	Upper
96	100		
61	138.1	114.8	172.2
98	63.5	49.8	74.8

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#22

Diisopropyl ether

Concen: 22.590 ug/l

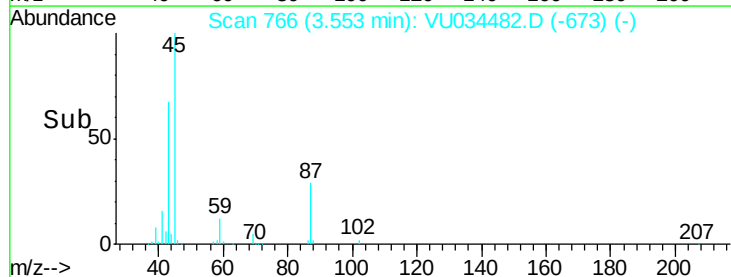
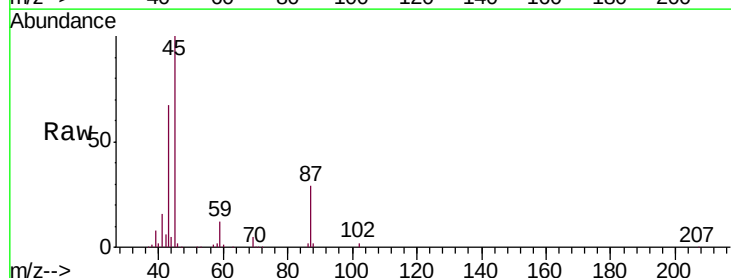
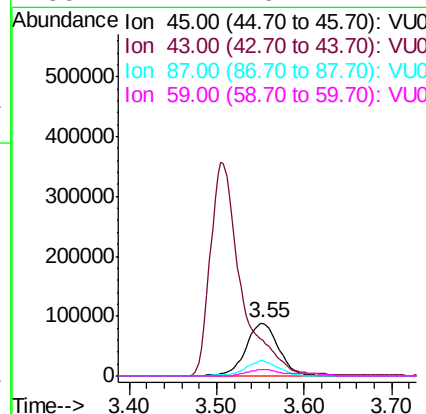
RT: 3.55 min Scan# 766

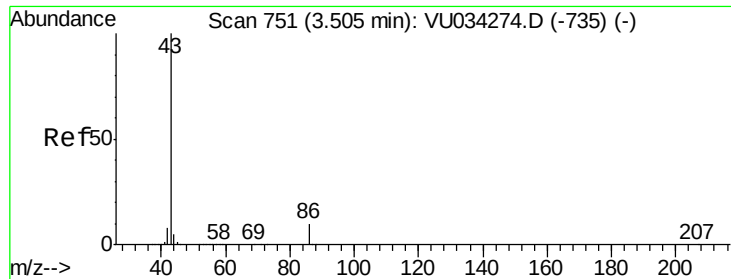
Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Tgt Ion:	45	Resp:	227962
Ion	Ratio	Lower	Upper
45	100		
43	64.8	47.5	71.3
87	29.0	22.2	33.4
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 107.680 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 43 Resp: 885143

Ion Ratio Lower Upper

43 100

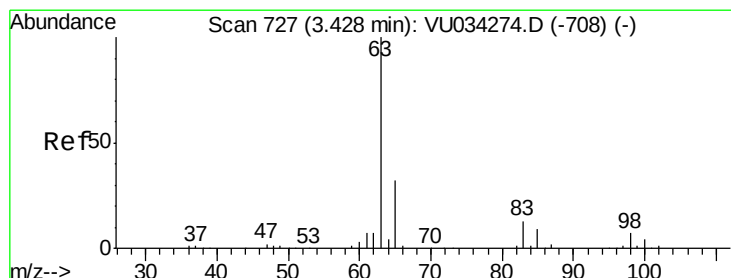
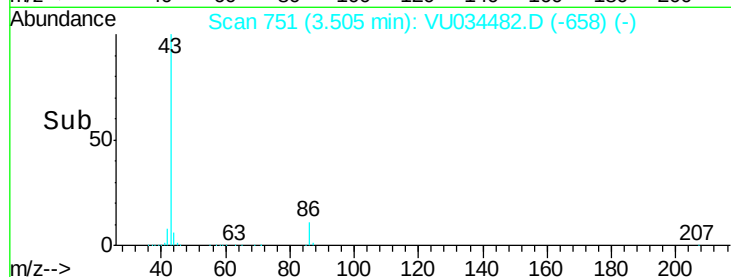
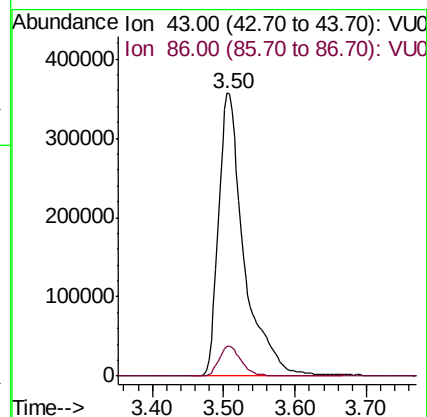
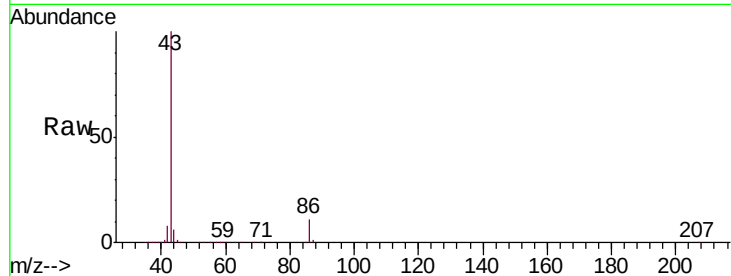
86 10.6 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.649 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

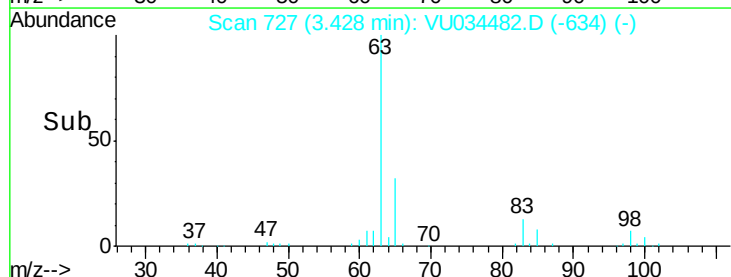
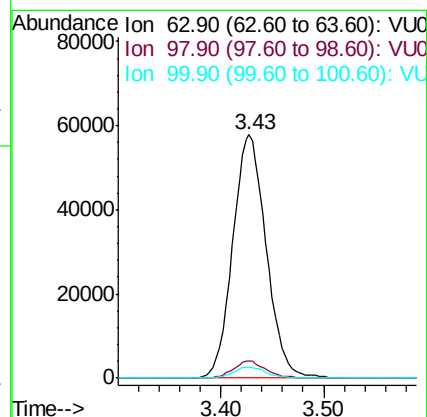
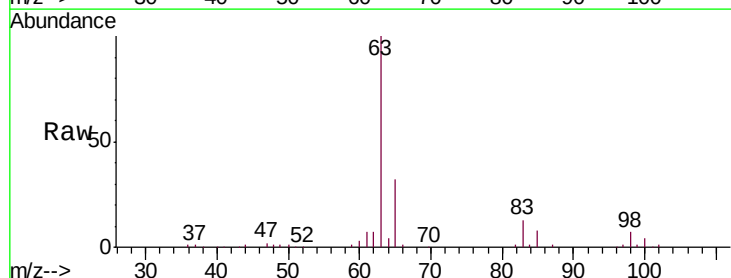
Tgt Ion: 63 Resp: 130467

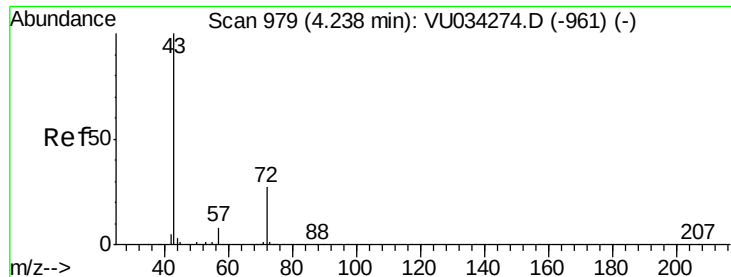
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.3 2.1 6.5





#25

2-Butanone

Concen: 106.078 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 43 Resp: 275822

Ion Ratio Lower Upper

43 100

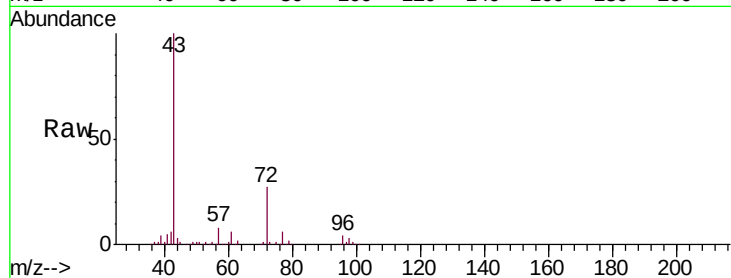
72 27.0 21.8 32.6

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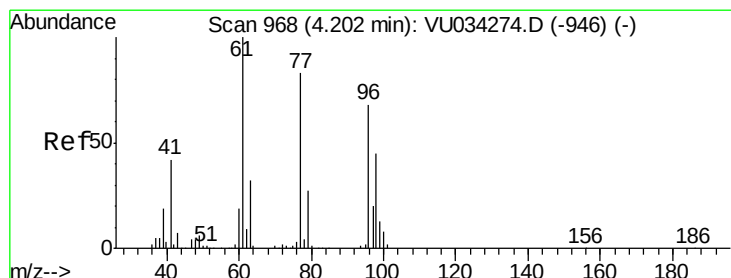
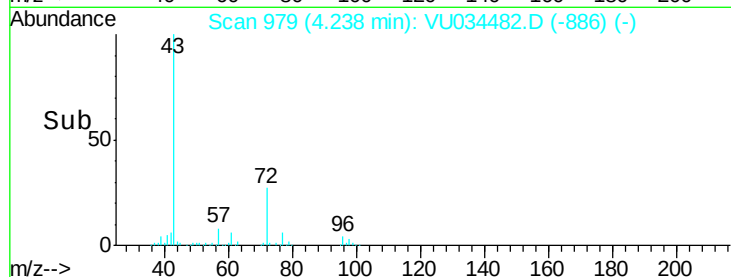
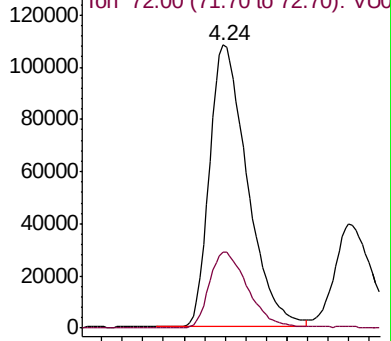
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Abundance Ion 43.00 (42.70 to 43.70): VU034482.D (-886) (-)



#26

2,2-Dichloropropane

Concen: 21.538 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034482.D

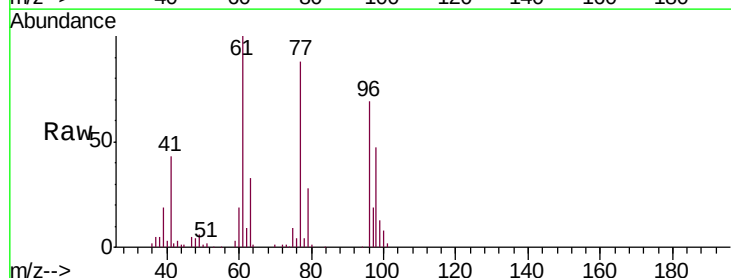
Acq: 11 Sep 2019 18:19

Tgt Ion: 77 Resp: 104395

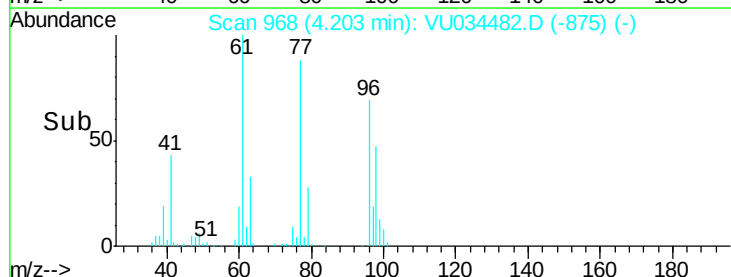
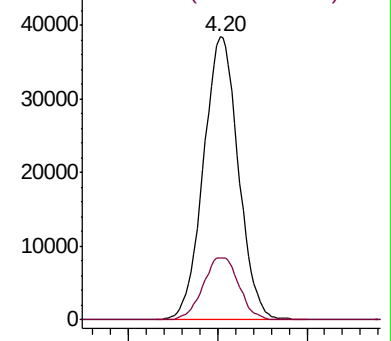
Ion Ratio Lower Upper

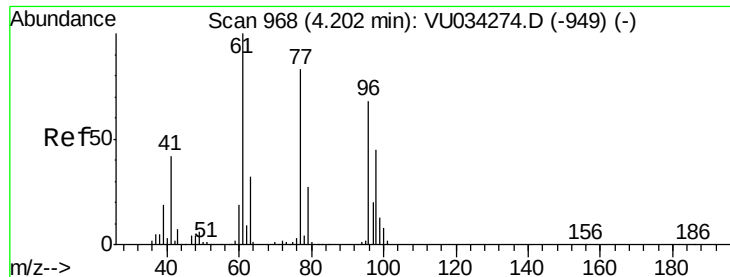
77 100

97 22.5 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034482.D (-875) (-)





#27

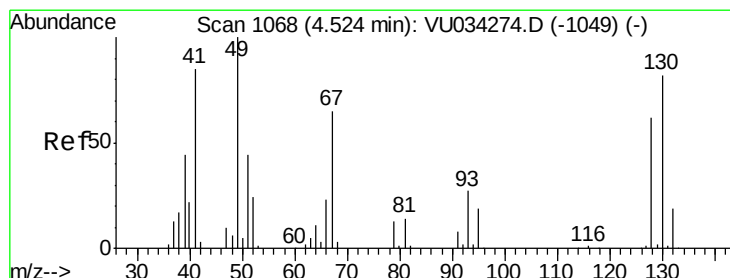
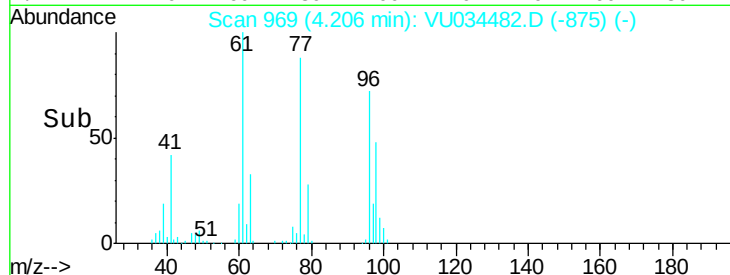
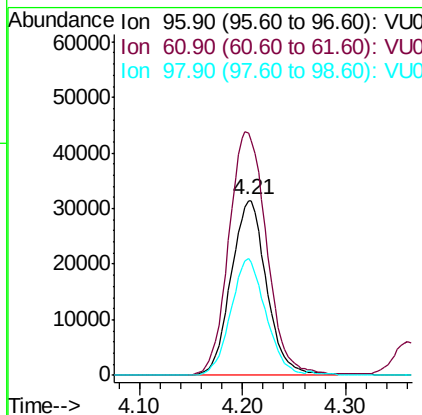
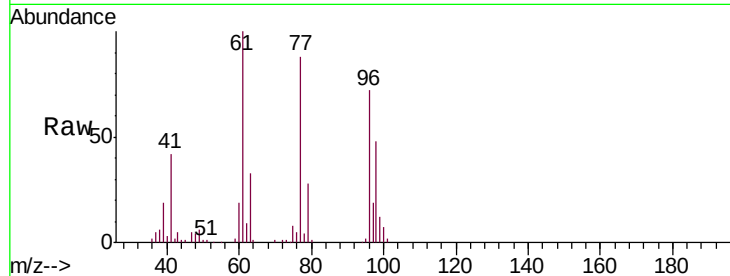
cis-1,2-Dichloroethene
Concen: 21.774 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	75429		
61	148.2	0.0	297.4	
98	65.5	0.0	130.0	

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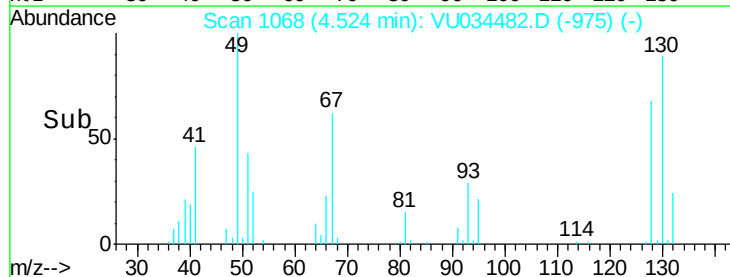
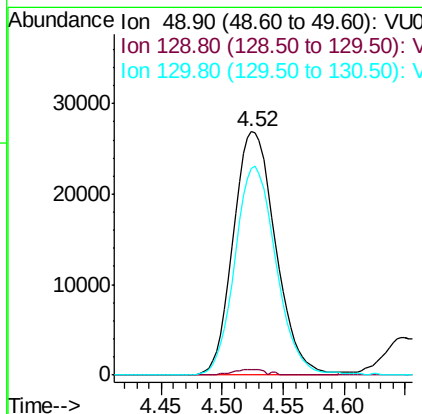
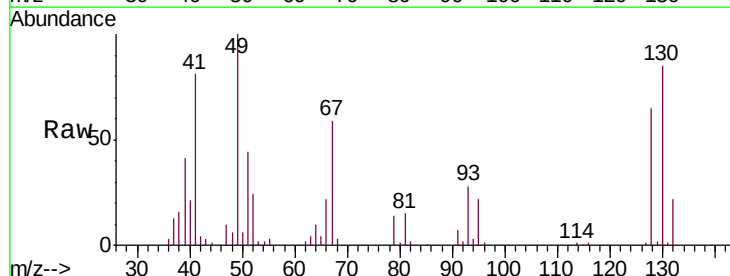
MMDadoda
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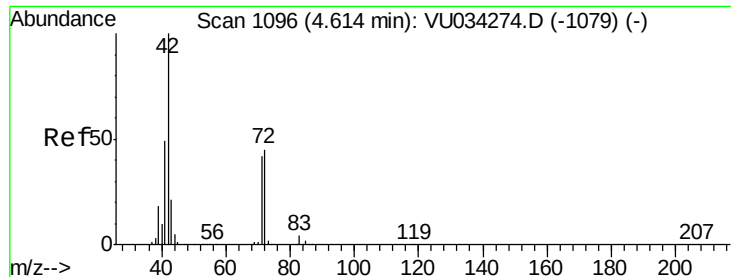


#28

Bromochloromethane
Concen: 23.380 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64808		
129	1.7	0.0	3.8	
130	83.4	65.2	97.8	





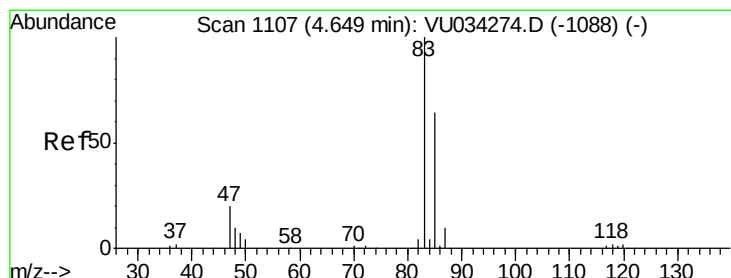
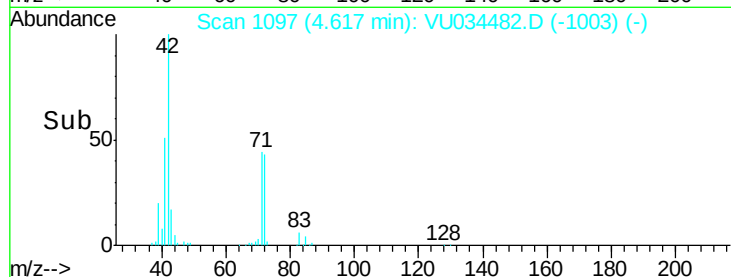
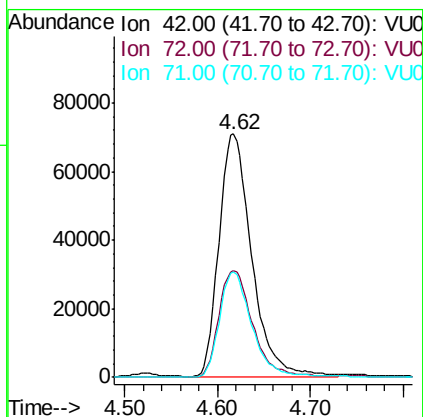
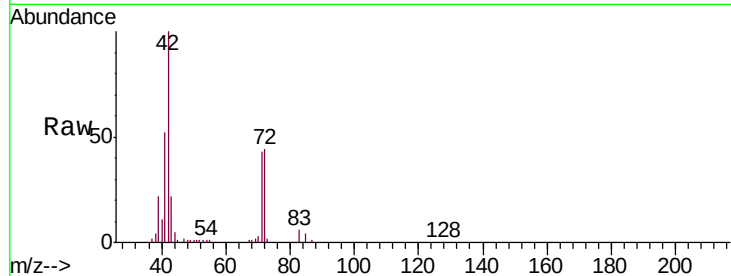
#29
Tetrahydrofuran
Concen: 109.633 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.6	36.6	54.8
71	43.0	34.3	51.5

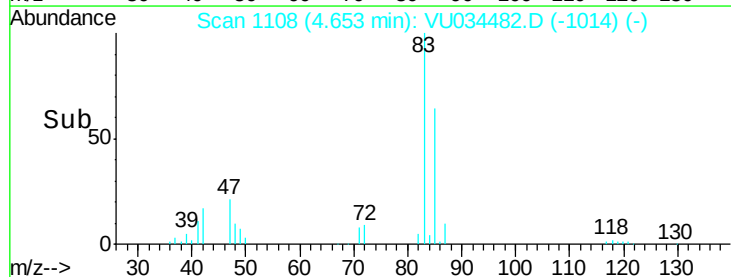
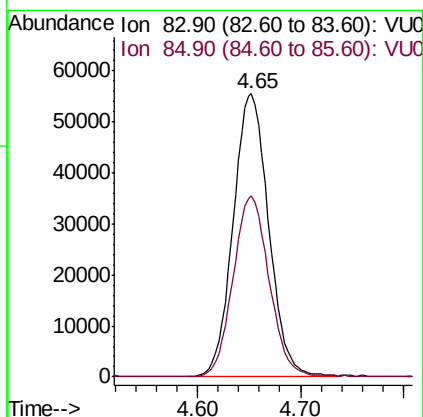
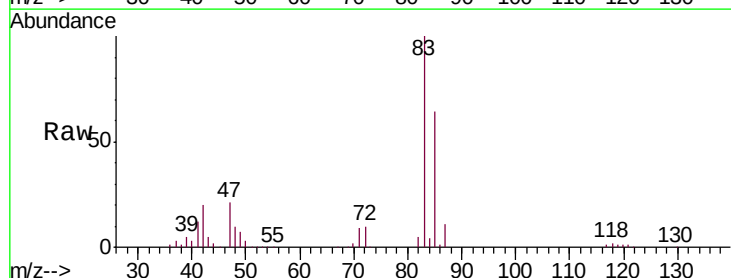
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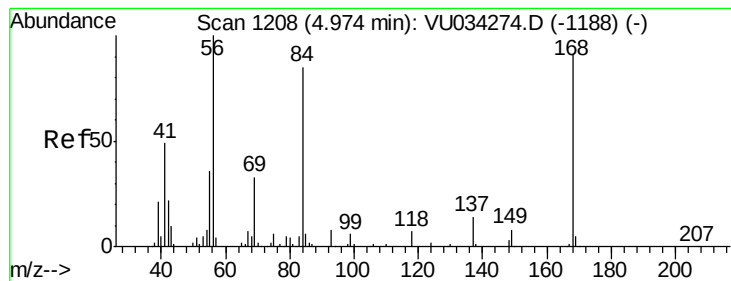
MMDadoda
9/13/2019 7:12:05 AM



#30
Chloroform
Concen: 21.741 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.5	77.3





#31

Cyclohexane

Concen: 19.729 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

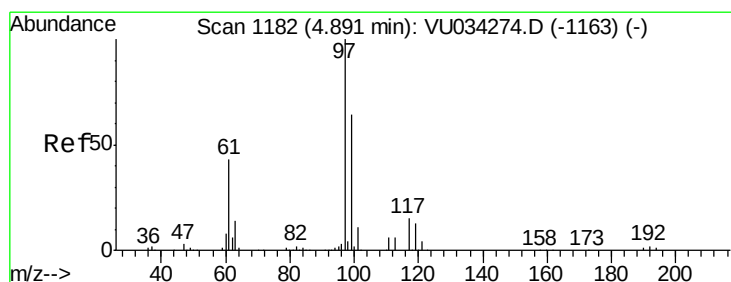
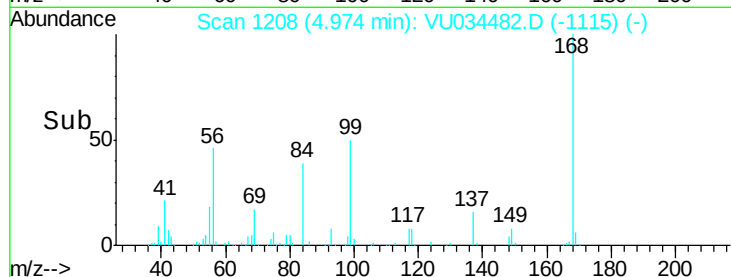
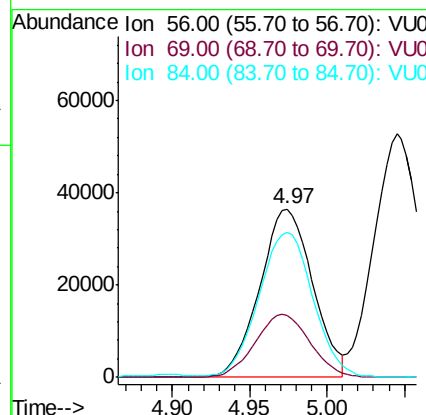
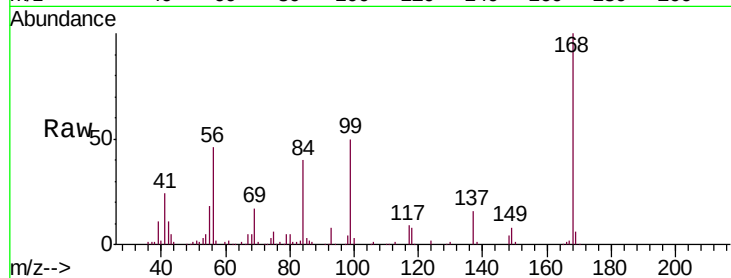
ClientSampleId :

VU0912WBS01

Tgt Ion:	56	Resp:	86985
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.7	40.1
84	85.4	68.2	102.4

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#32

1,1,1-Trichloroethane

Concen: 21.872 ug/l

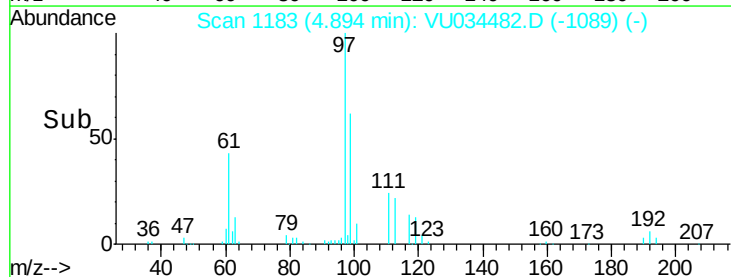
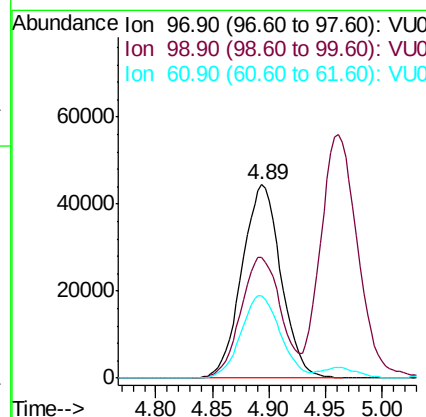
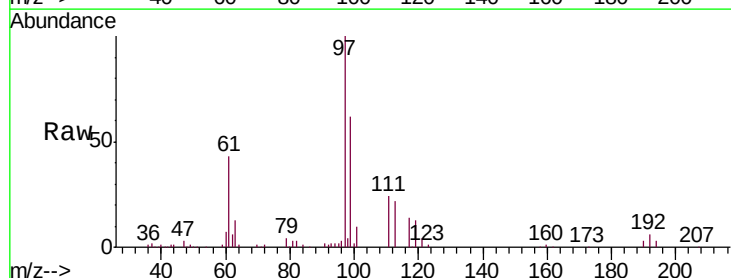
RT: 4.89 min Scan# 1183

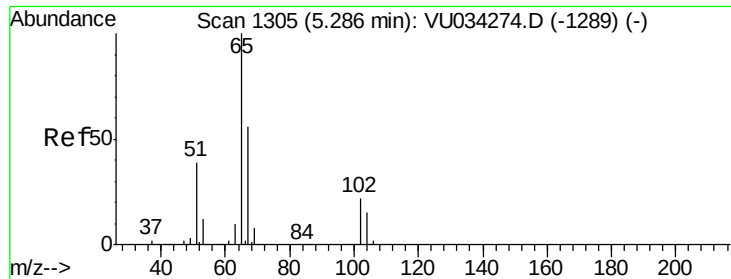
Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Tgt Ion:	97	Resp:	107121
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.9	76.3
61	42.9	34.7	52.1





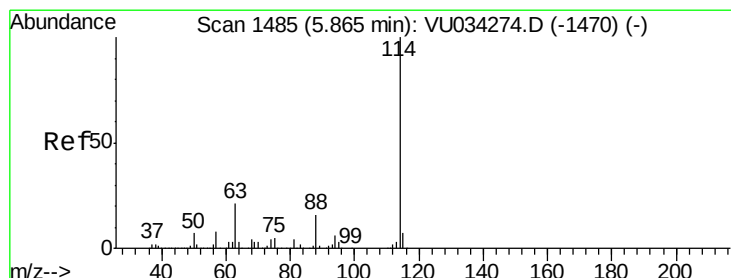
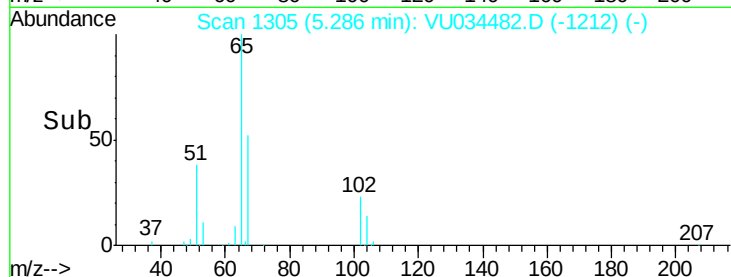
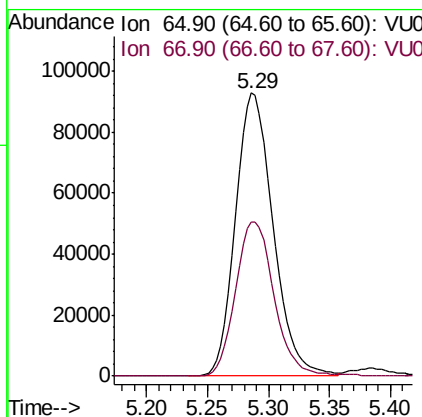
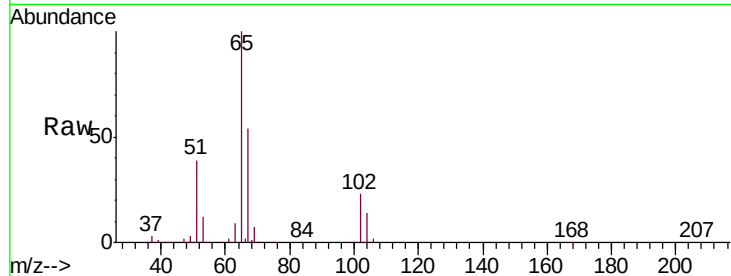
#33
 1,2-Dichloroethane-d4
 Concen: 52.830 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	198858		
67	55.8	0.0	112.4	

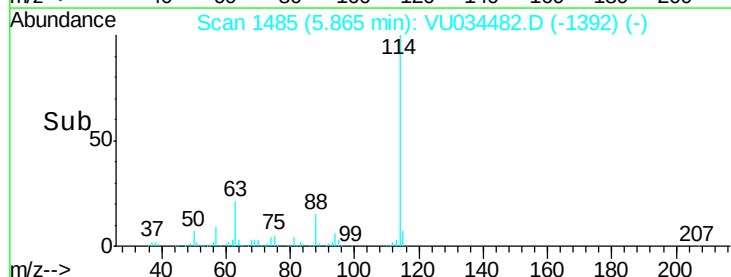
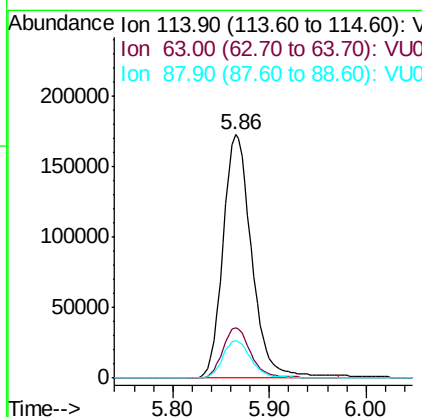
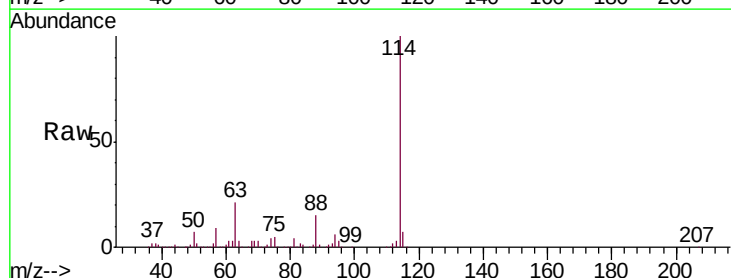
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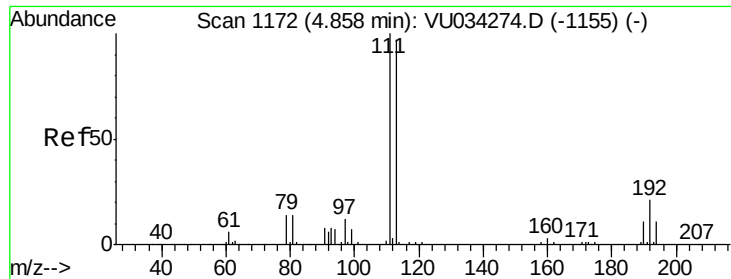
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	356894		
63	20.7	0.0	42.4	
88	15.4	0.0	32.4	





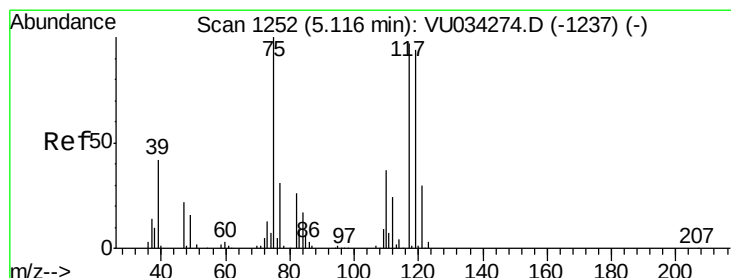
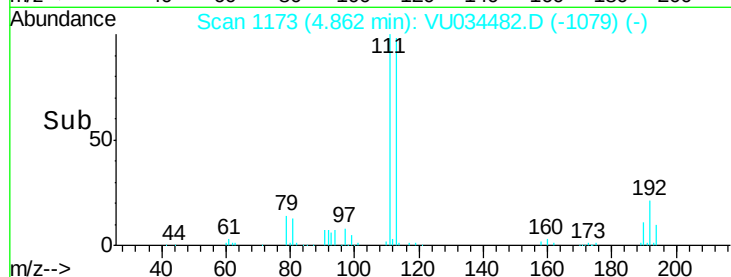
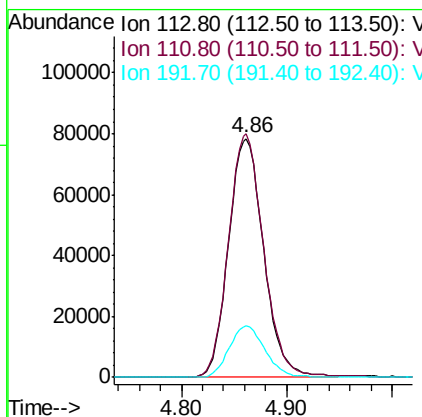
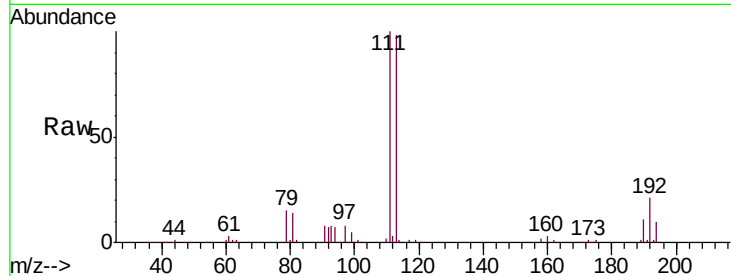
#35
 Dibromofluoromethane
 Concen: 54.590 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	181289		
111	101.8	81.5	122.3	
192	22.1	17.8	26.8	

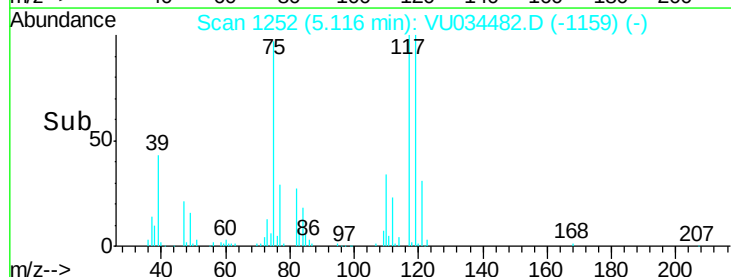
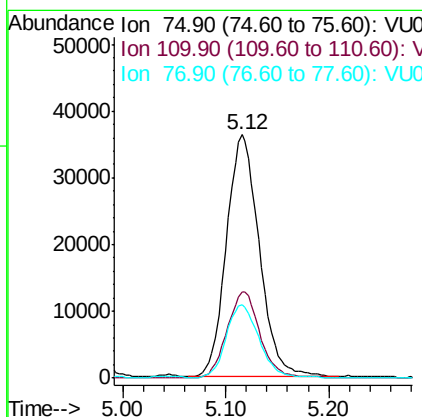
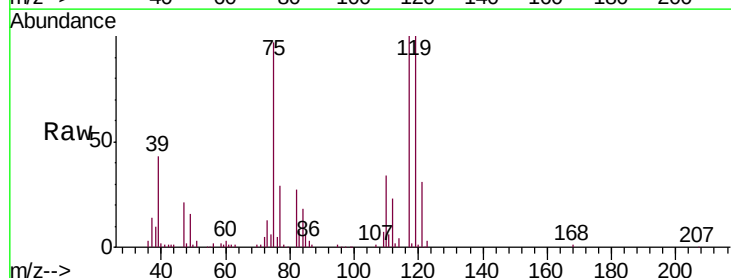
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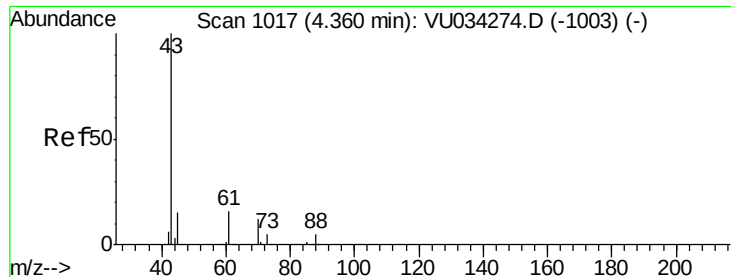
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 9/13/2019 7:12:05 AM



#36
 1,1-Dichloropropene
 Concen: 20.776 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80413		
110	35.9	18.3	54.9	
77	30.6	24.9	37.3	





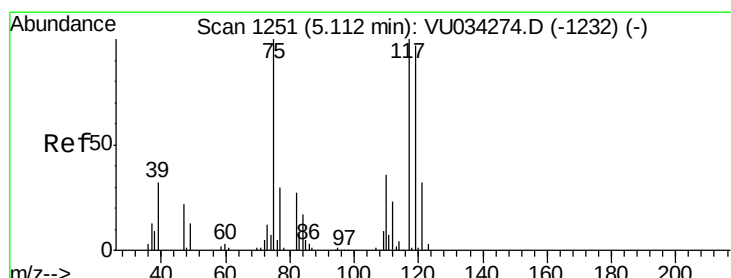
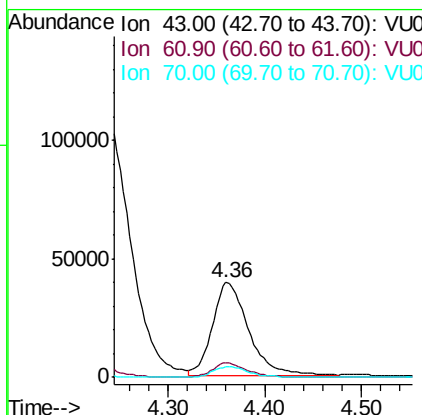
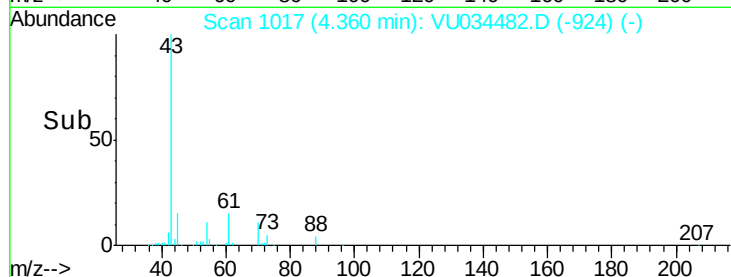
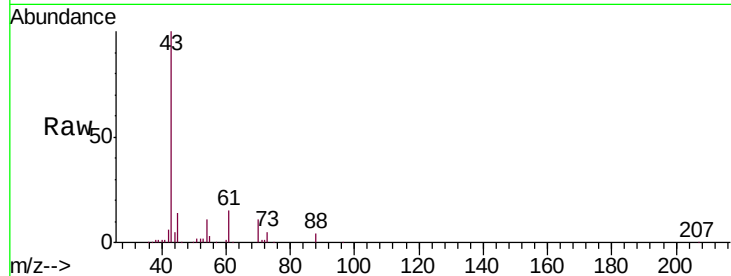
#37
Ethyl Acetate
Concen: 22.238 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.4	12.3	18.5
70	11.6	9.1	13.7

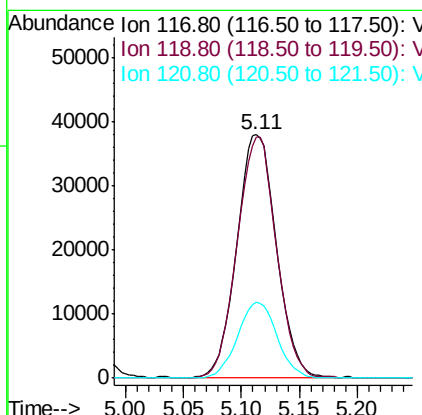
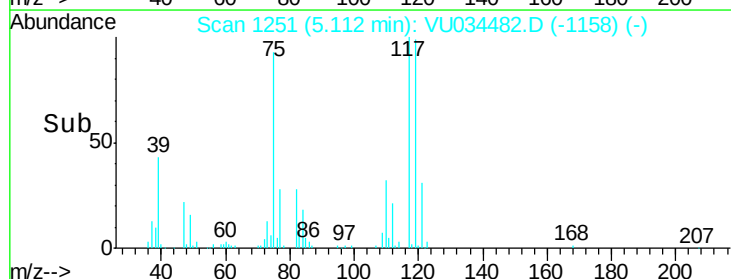
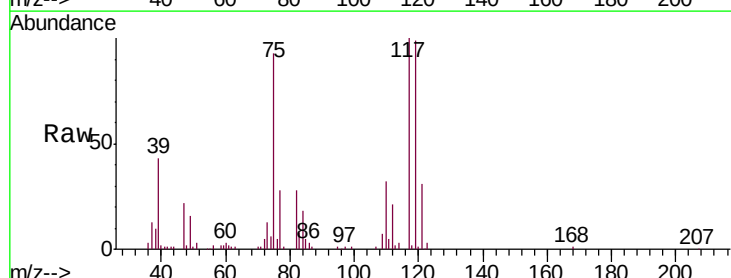
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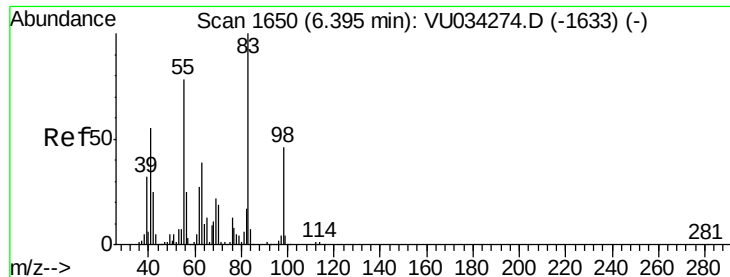
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.898 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.8	116.6
121	31.0	25.2	37.8





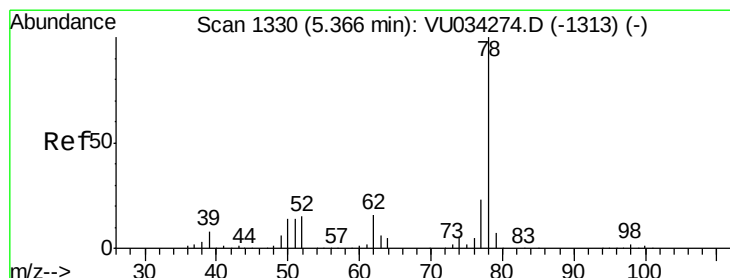
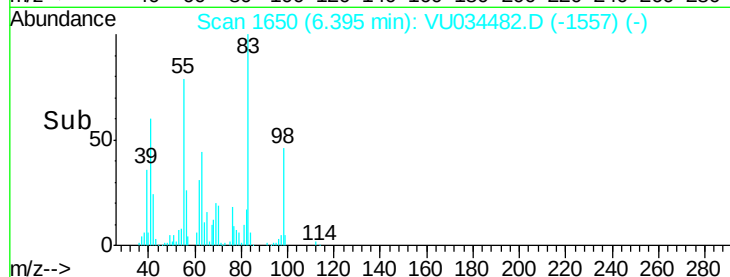
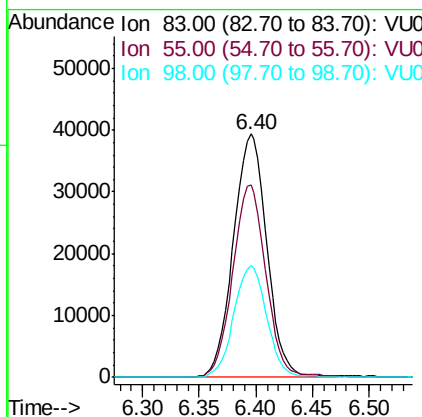
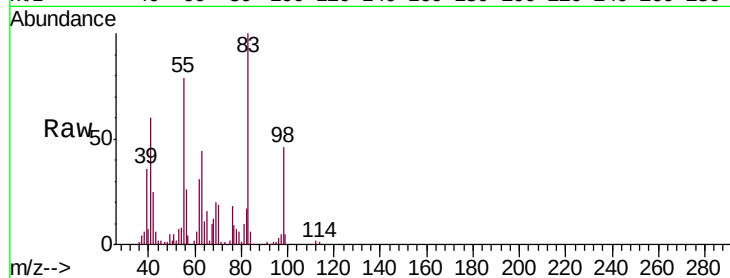
#39
Methylcyclohexane
Concen: 19.651 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.1	93.1
98	45.8	37.0	55.6

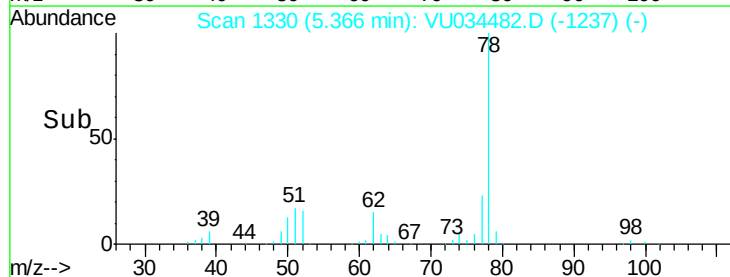
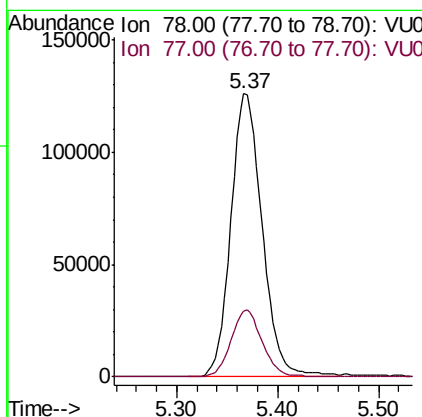
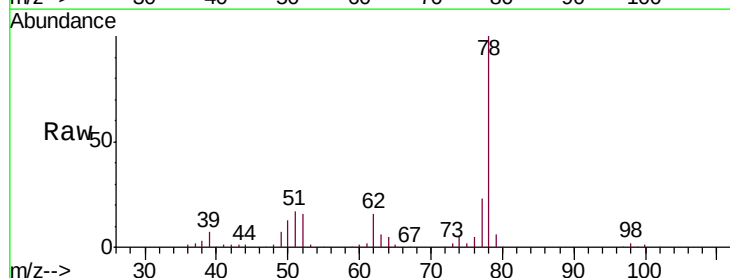
Manual Integrations
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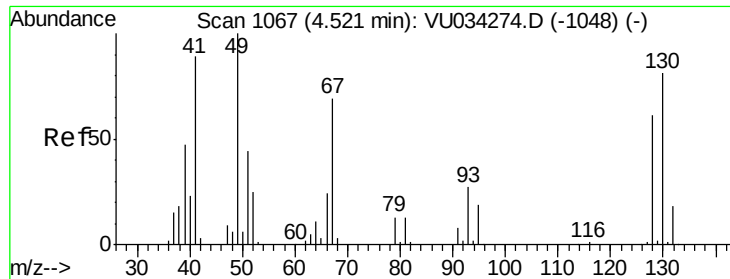
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#40
Benzene
Concen: 21.835 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





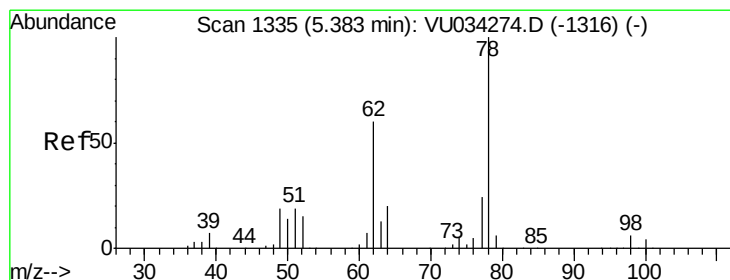
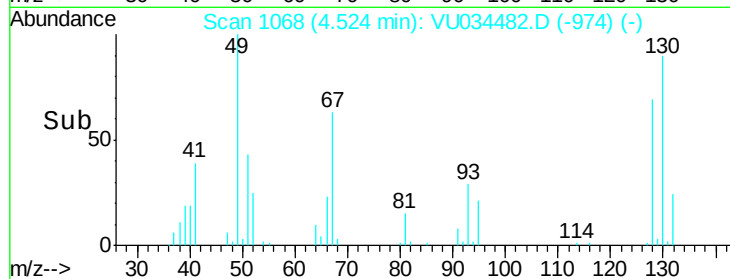
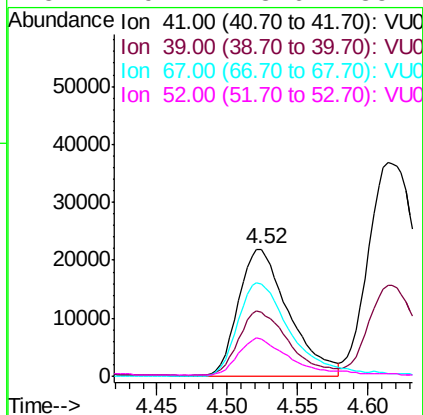
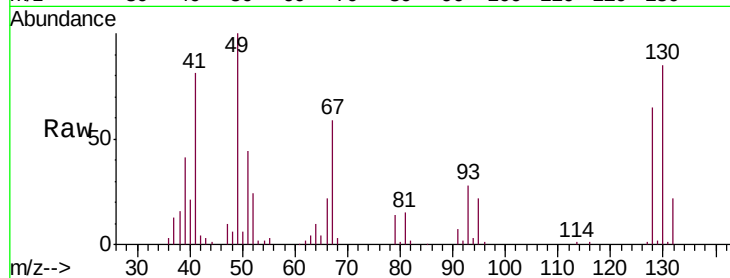
#41
Methacrylonitrile
Concen: 22.509 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.9	41.0	61.4	
67	76.6	62.4	93.6	
52	29.2	23.6	35.4	

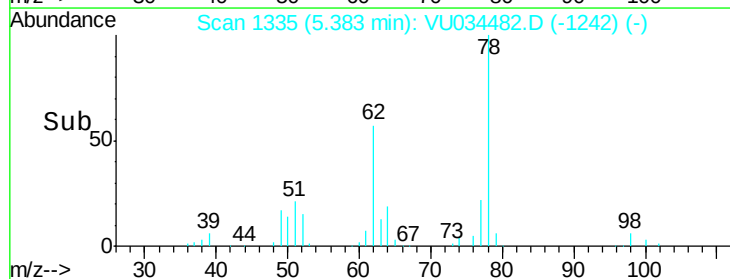
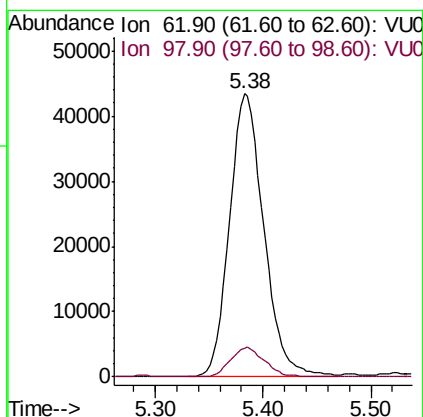
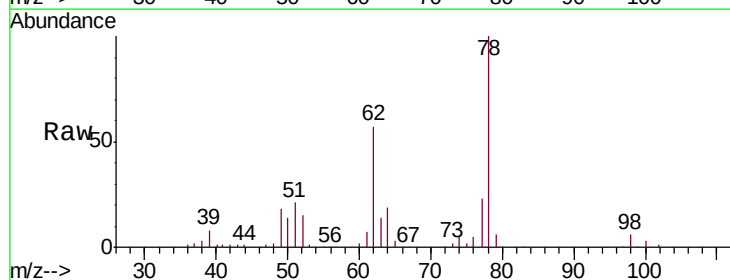
Manual Integrations
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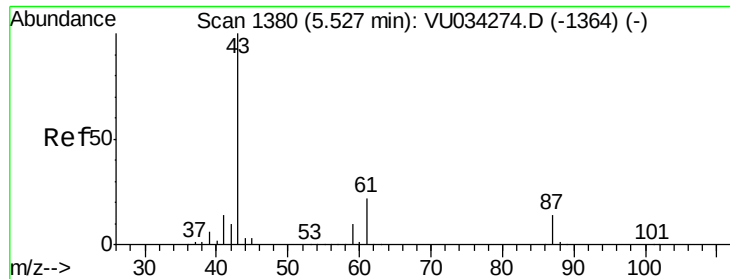
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#42
1,2-Dichloroethane
Concen: 22.260 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	20.0	





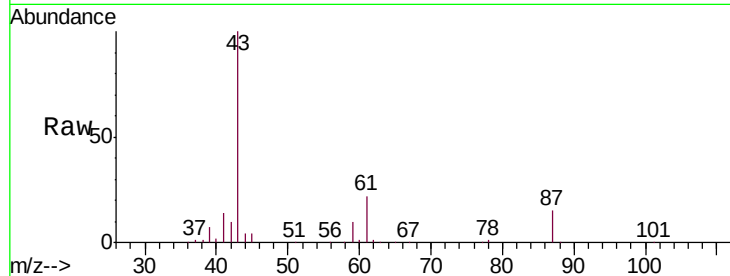
#43
Isopropyl Acetate
Concen: 21.314 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

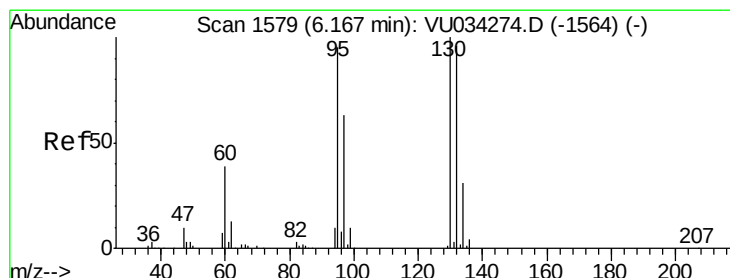
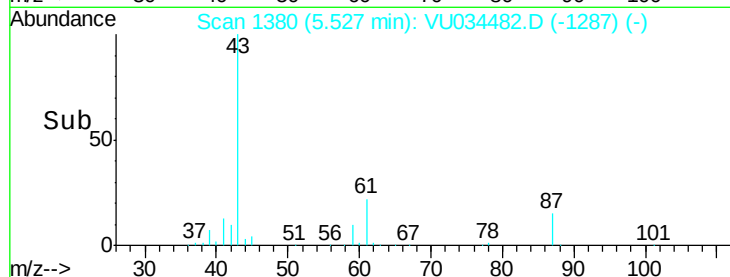
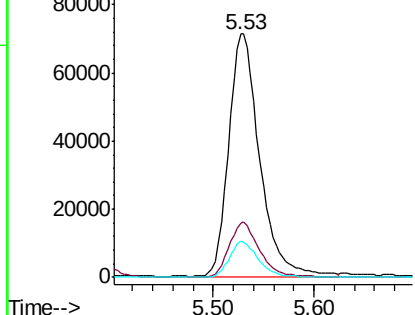
Tgt Ion	Ratio	Lower	Upper
43	100		
61	22.4	17.1	25.7
87	14.0	11.1	16.7

Manual Integrations
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MMDadoda
9/13/2019 7:12:05 AM

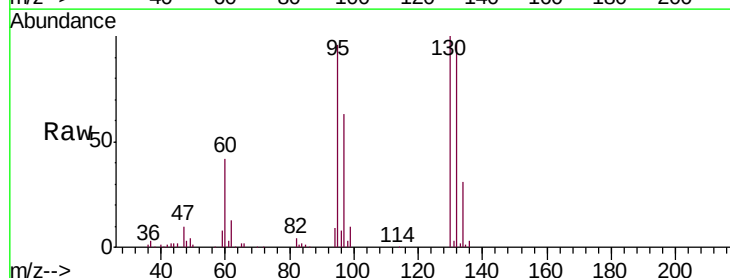


Abundance Ion 43.00 (42.70 to 43.70): VU034482.D (-1287) (-)
Ion 61.00 (60.70 to 61.70): VU034482.D (-1287) (-)
Ion 87.00 (86.70 to 87.70): VU034482.D (-1287) (-)

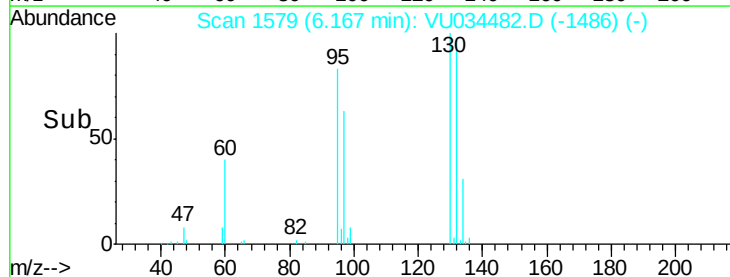
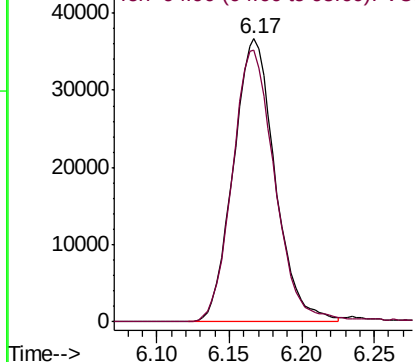


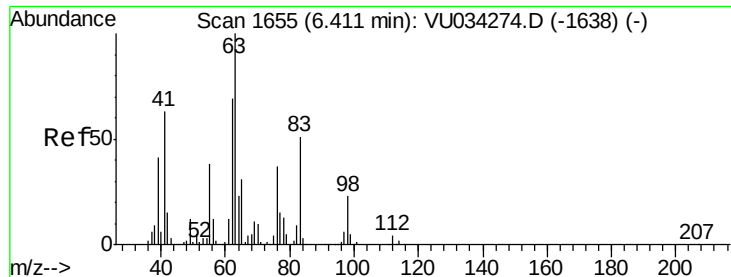
#44
Trichloroethene
Concen: 21.248 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	189.2



Abundance Ion 129.80 (129.50 to 130.50): VU034482.D (-1486) (-)
Ion 94.90 (94.60 to 95.60): VU034482.D (-1486) (-)





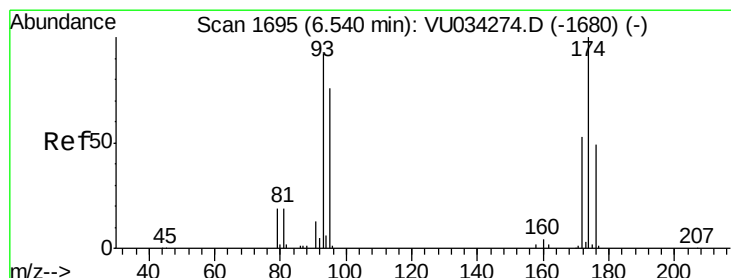
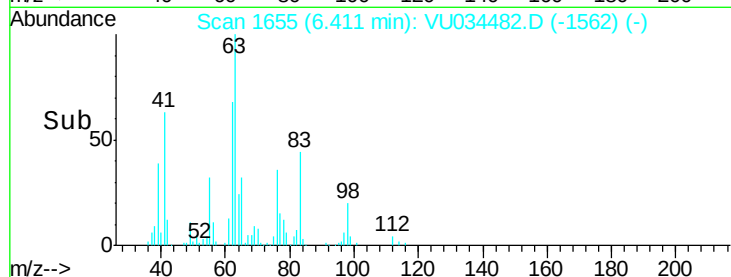
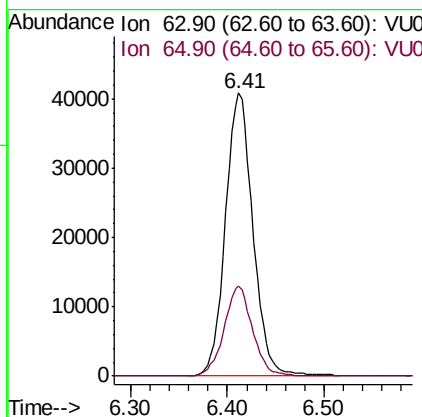
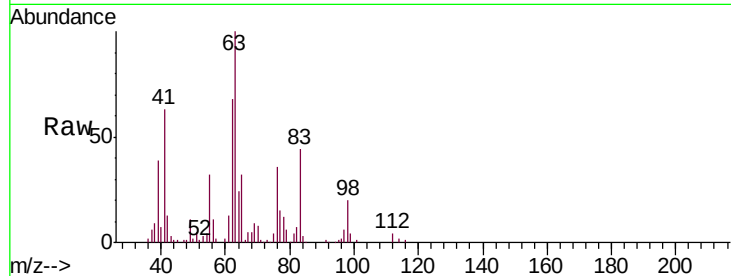
#45
 1,2-Dichloropropane
 Concen: 22.122 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion: 63 Resp: 80772
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 37.0

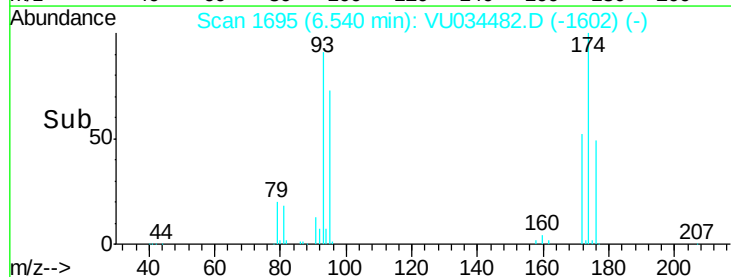
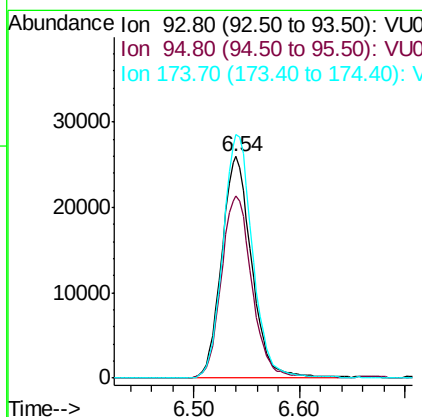
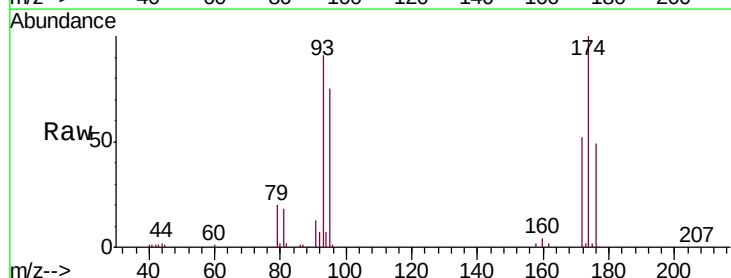
Manual Integrations
 APPROVED

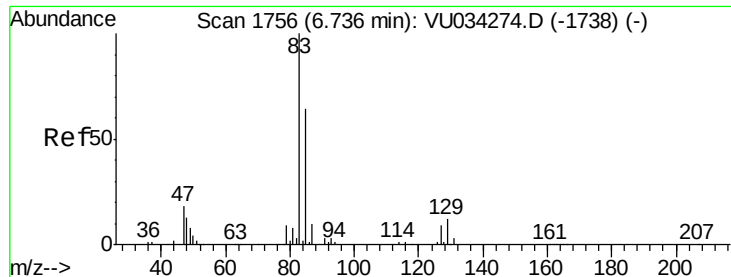
MMDadoda
 9/13/2019 7:12:05 AM



#46
 Dibromomethane
 Concen: 22.340 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion: 93 Resp: 51199
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.5 99.7
 174 107.9 87.8 131.6





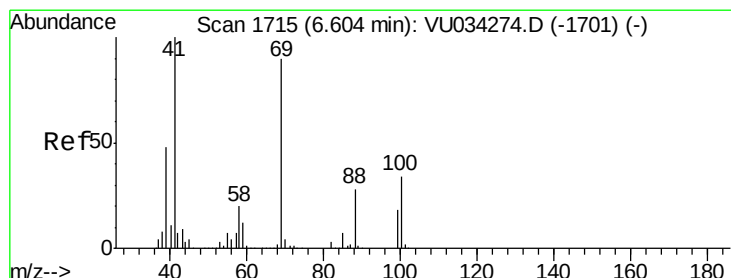
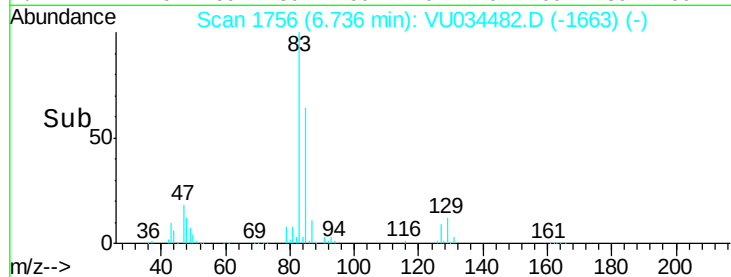
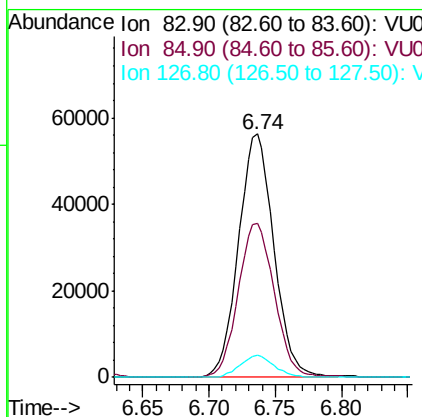
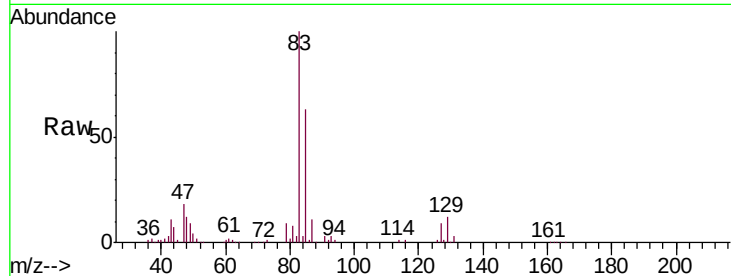
#47
 Bromodichloromethane
 Concen: 22.082 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	104173		
85	63.1	51.1	76.7	
127	9.0	7.2	10.8	

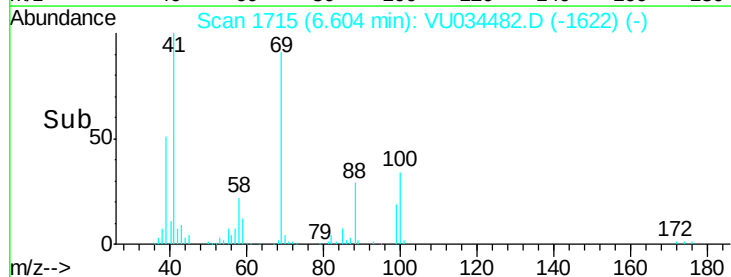
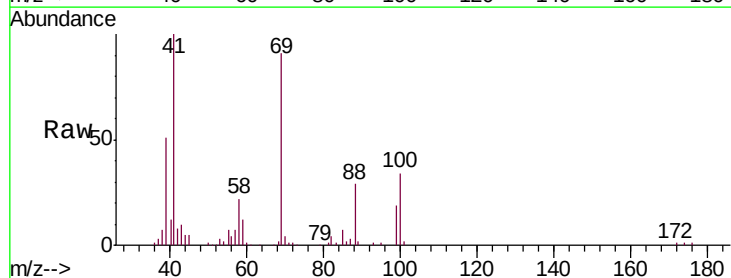
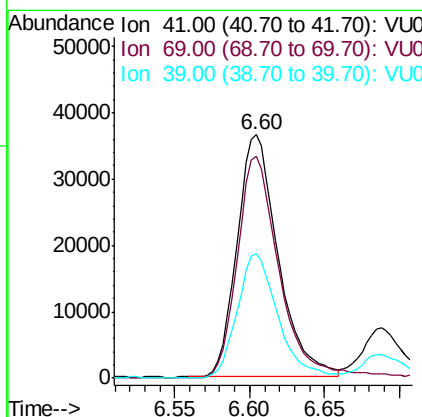
Manual Integrations
 APPROVED

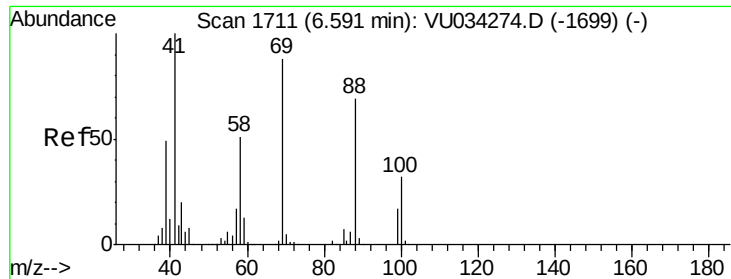
MMDadoda
 9/13/2019 7:12:05 AM



#48
 Methyl methacrylate
 Concen: 20.632 ug/l
 RT: 6.60 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	69958		
69	94.8	72.8	109.2	
39	50.5	38.6	58.0	





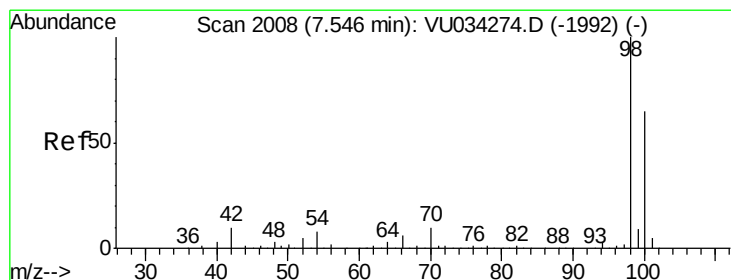
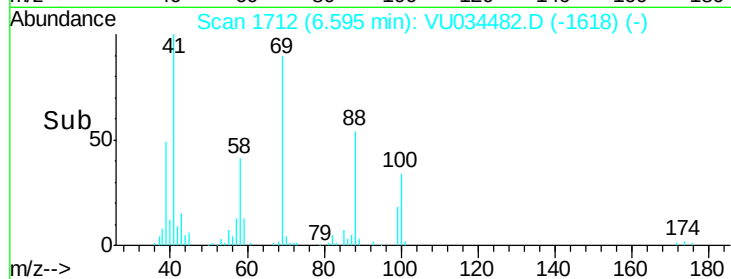
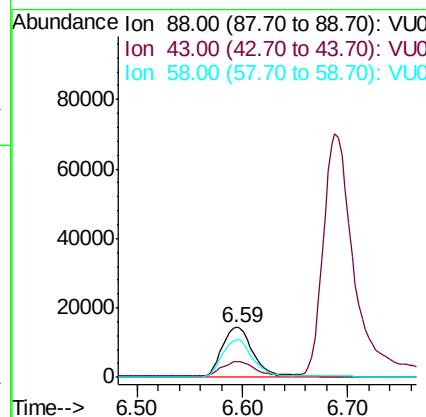
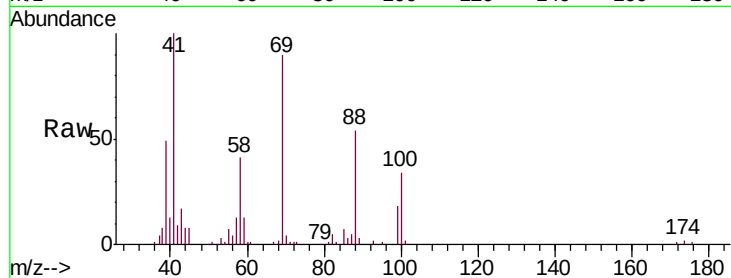
#49
1,4-Dioxane
Concen: 399.391 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.5	23.8	35.6
58	75.3	58.4	87.6

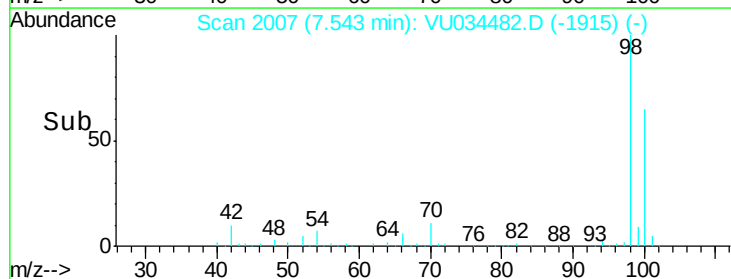
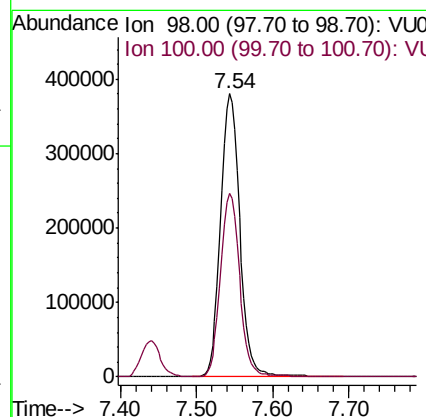
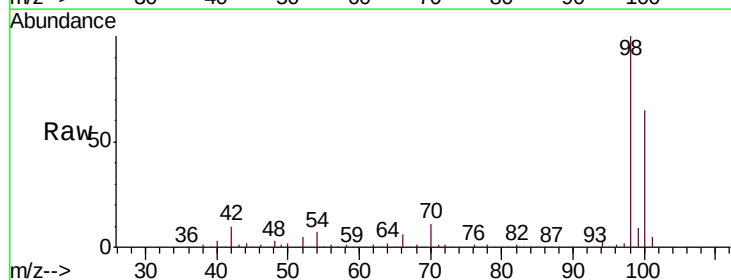
Manual Integrations
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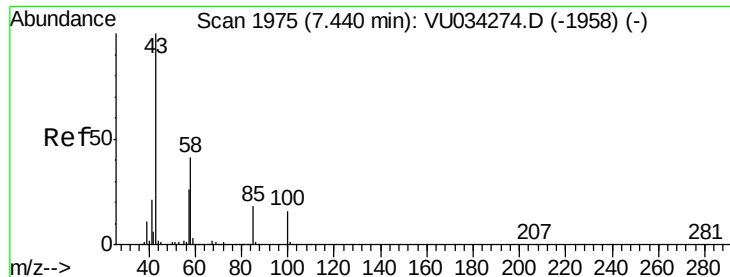
MMDadoda
9/13/2019 7:12:05 AM



#50
Toluene-d8
Concen: 53.817 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





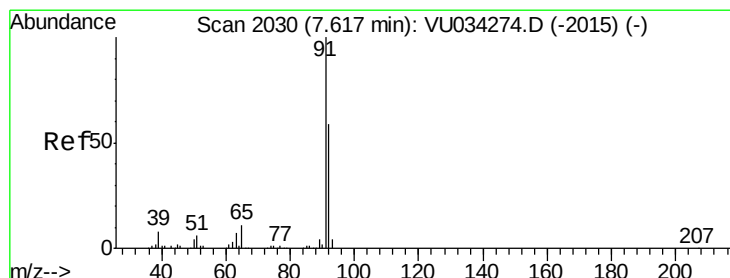
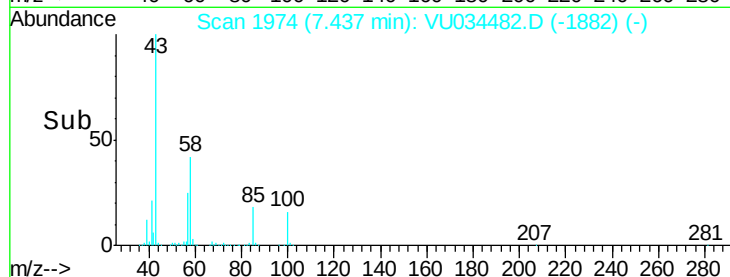
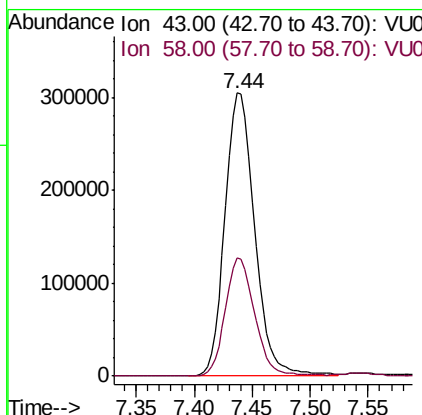
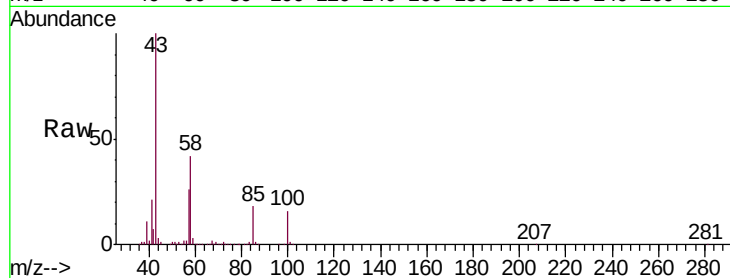
#51
4-Methyl-2-Pentanone
Concen: 109.240 ug/l
RT: 7.44 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.4	33.0	49.4

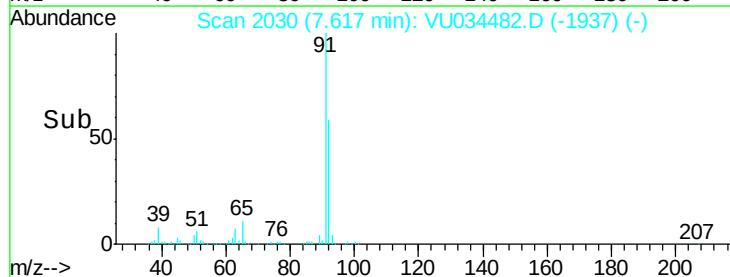
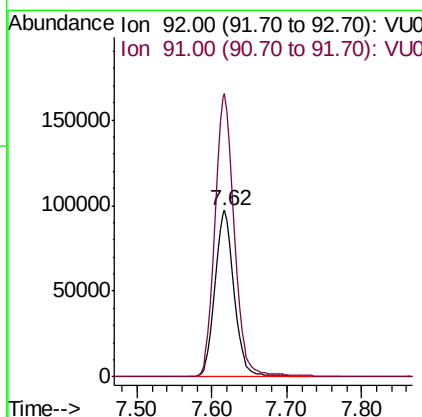
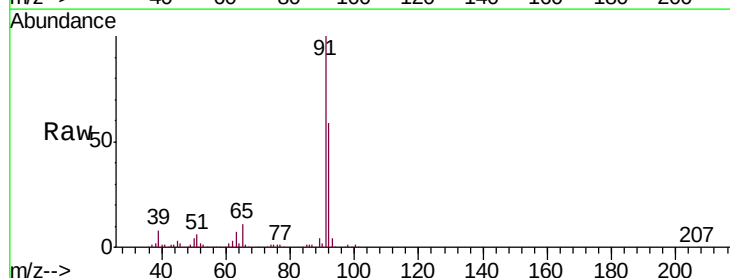
Manual Integrations
APPROVED

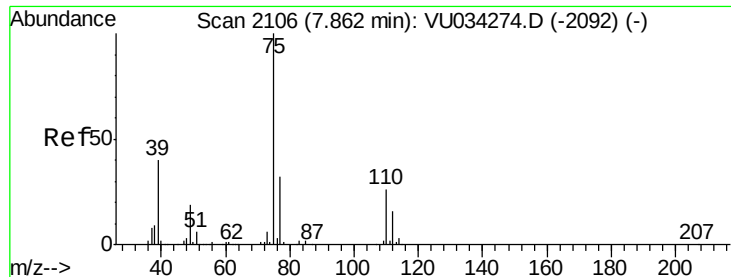
MMDadoda
9/13/2019 7:12:05 AM



#52
Toluene
Concen: 22.305 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 21.222 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 75 Resp: 103783

Ion Ratio Lower Upper

75 100

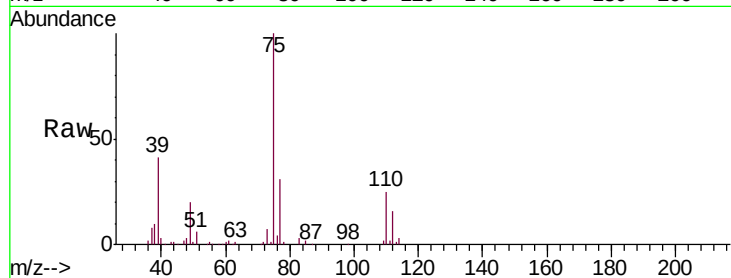
77 30.8 25.7 38.5

Manual Integrations

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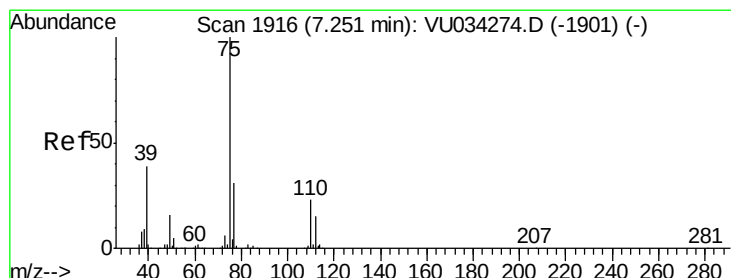
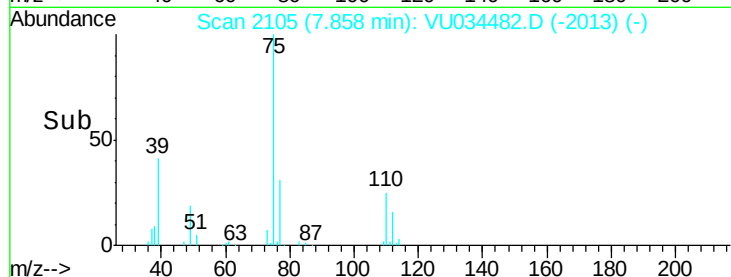
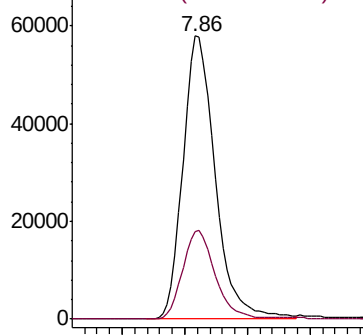
MMDadoda

9/13/2019 7:12:05 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 22.304 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

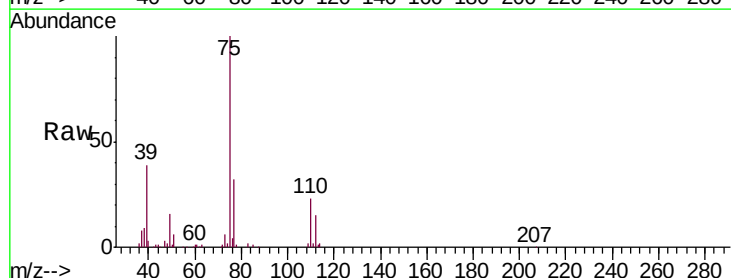
Tgt Ion: 75 Resp: 119715

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

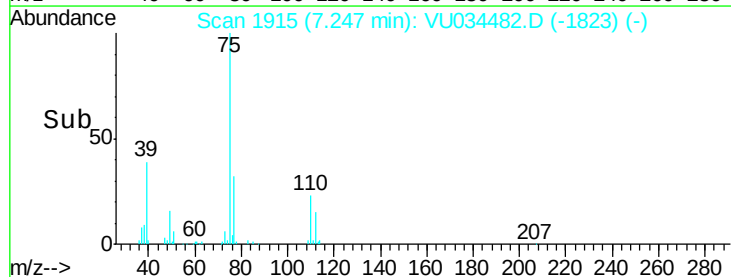
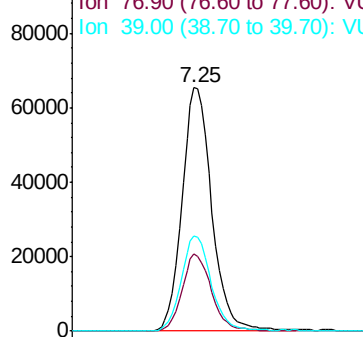
39 39.1 31.2 46.8

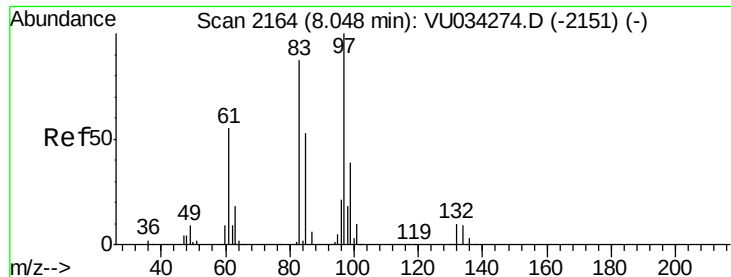


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





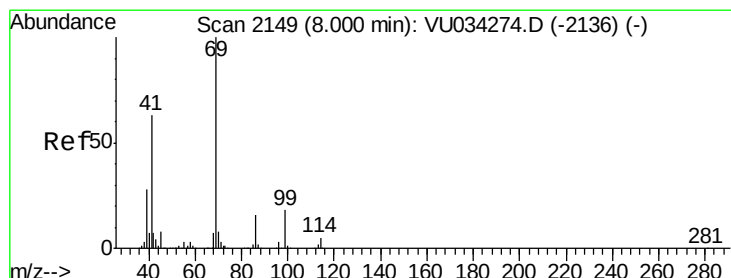
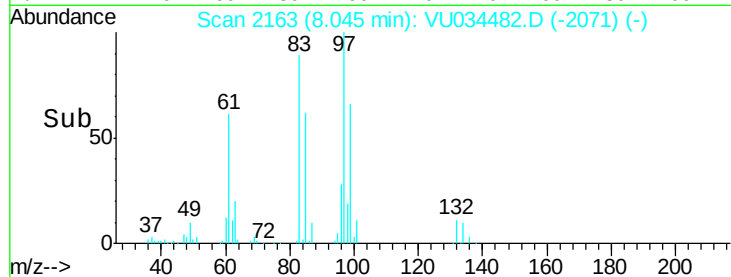
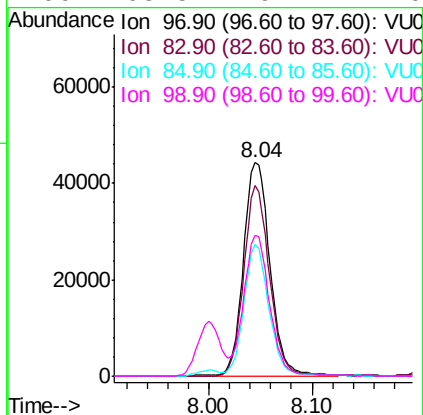
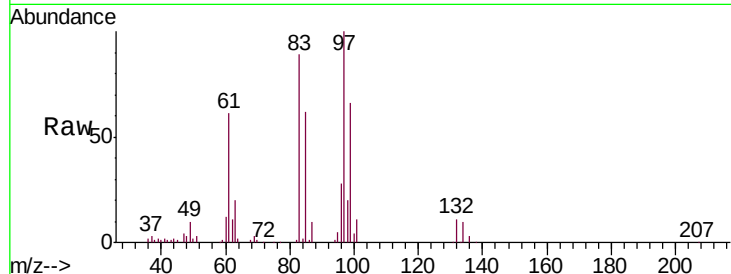
#55
 1,1,2-Trichloroethane
 Concen: 22.451 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion:	97	Resp:	79871
Ion	Ratio	Lower	Upper
97	100		
83	89.2	69.0	103.6
85	61.0	44.2	66.2
99	65.5	49.4	74.0

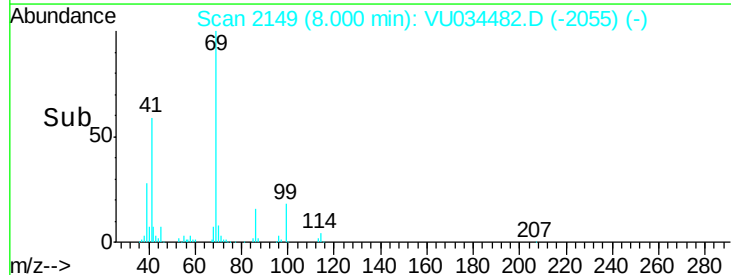
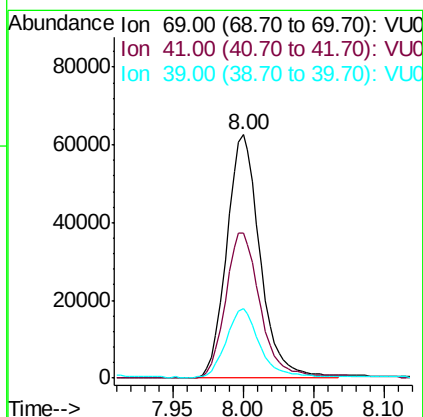
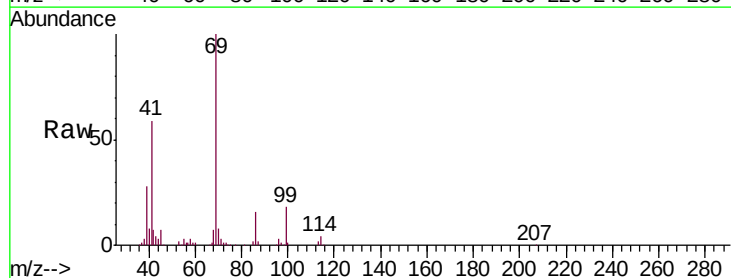
Manual Integrations
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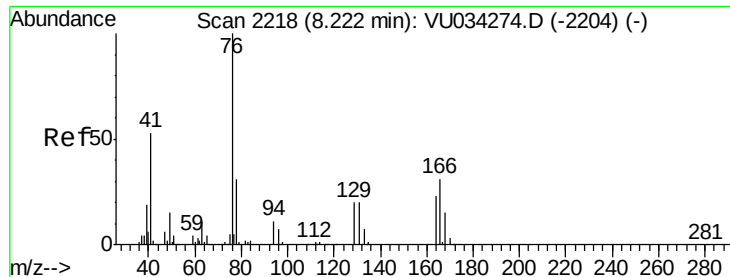
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 9/13/2019 7:12:05 AM



#56
 Ethyl methacrylate
 Concen: 21.096 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion:	69	Resp:	103779
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.5	74.3
39	27.9	22.5	33.7





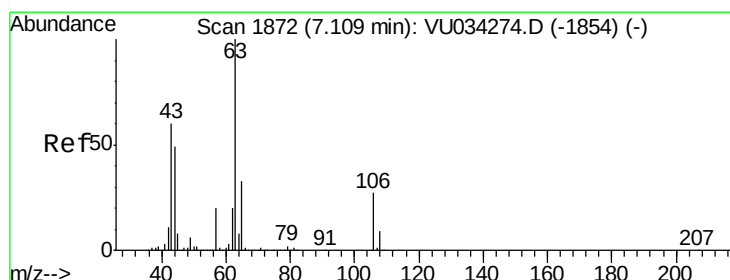
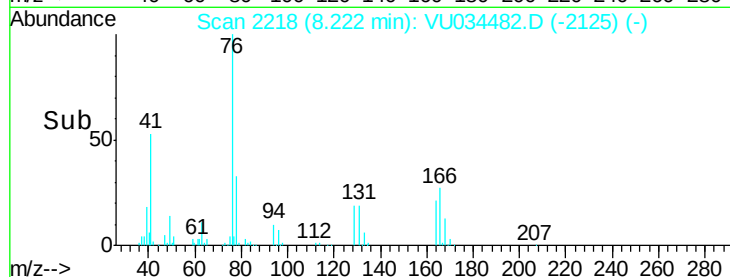
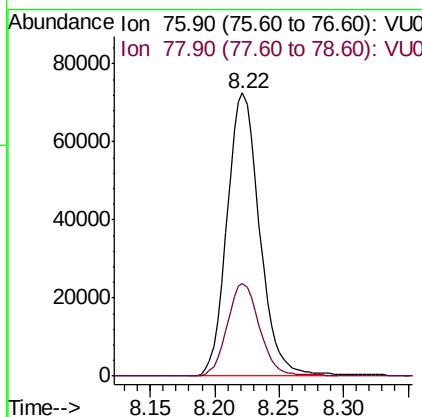
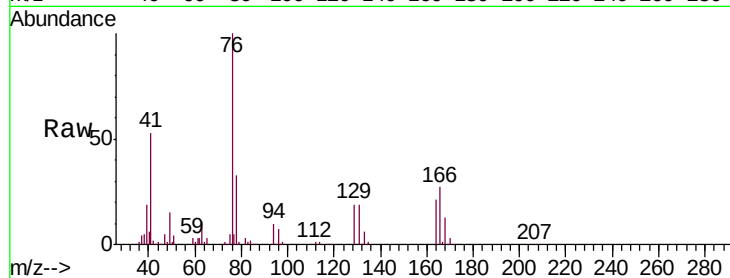
#57
 1,3-Dichloropropane
 Concen: 22.001 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion: 76 Resp: 127448
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.2

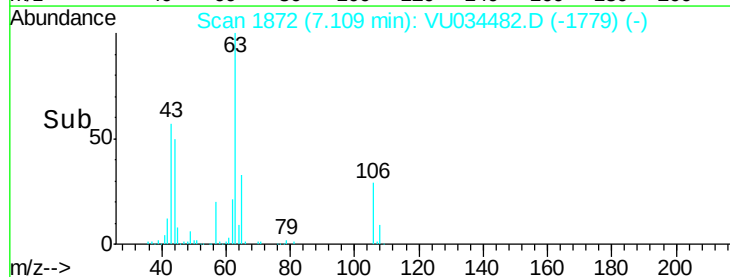
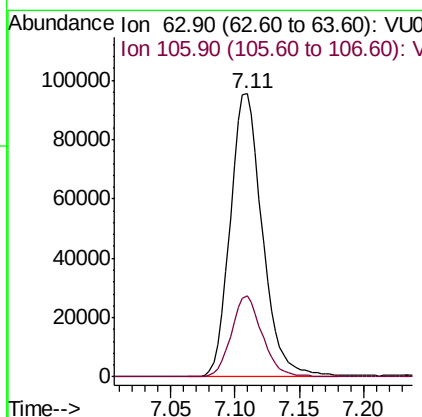
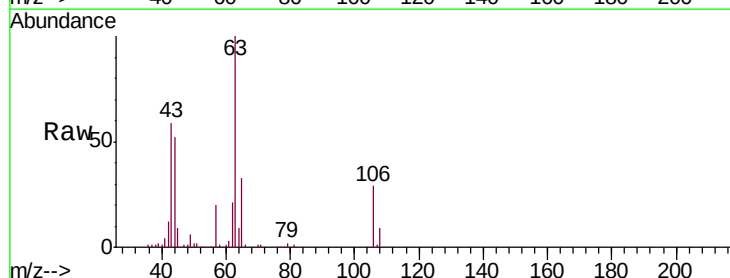
Manual Integrations
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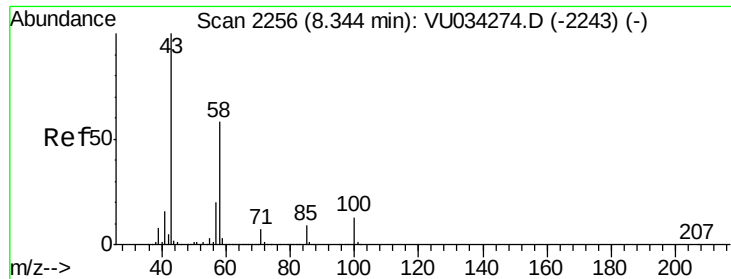
MMDadoda
 9/13/2019 7:12:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.219 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion: 63 Resp: 165718
 Ion Ratio Lower Upper
 63 100
 106 27.8 21.6 32.4





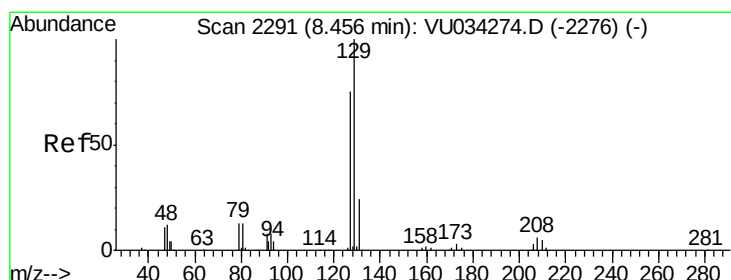
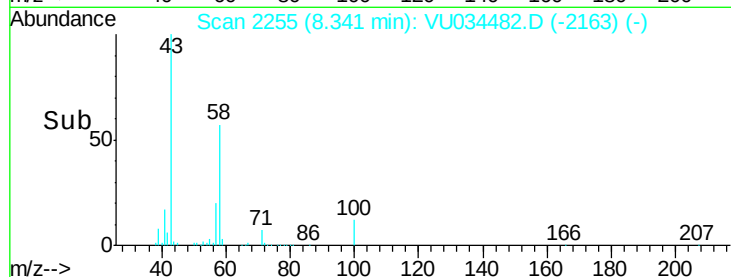
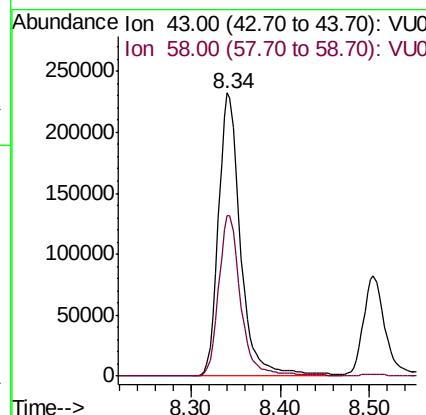
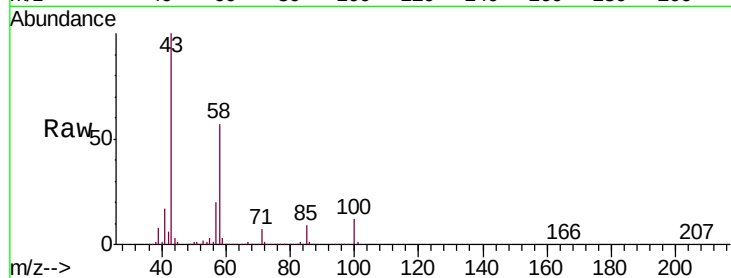
#59
2-Hexanone
Concen: 107.712 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion: 43 Resp: 397626
Ion Ratio Lower Upper
43 100
58 56.2 28.8 86.5

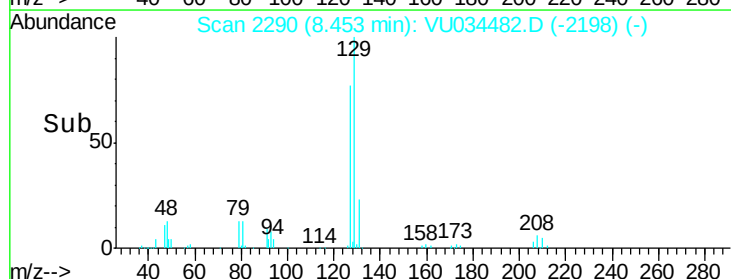
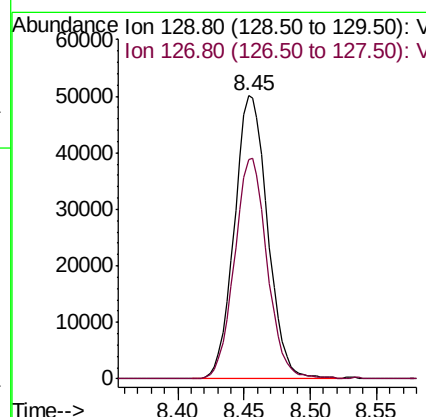
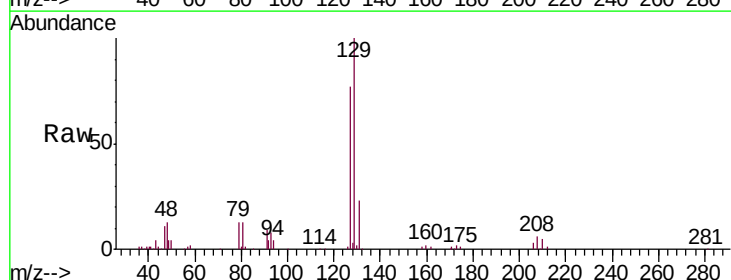
Manual Integrations
APPROVED

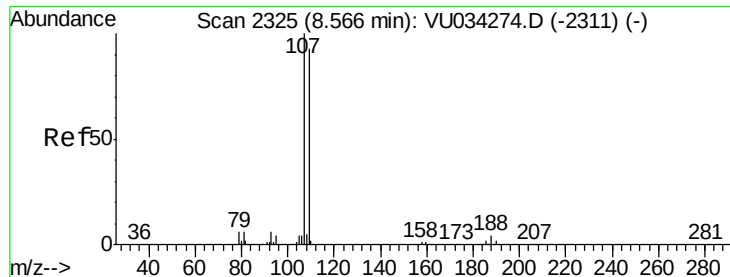
MMDadoda
9/13/2019 7:12:05 AM



#60
Dibromochloromethane
Concen: 22.926 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion: 129 Resp: 87481
Ion Ratio Lower Upper
129 100
127 76.4 37.9 113.7





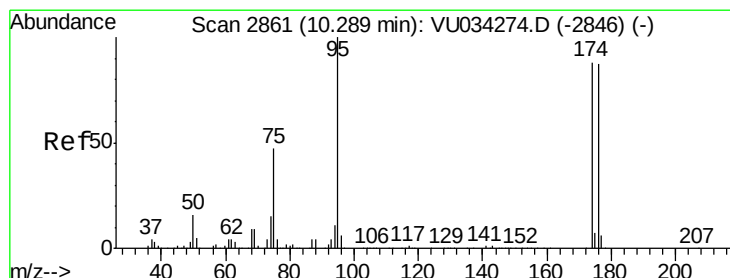
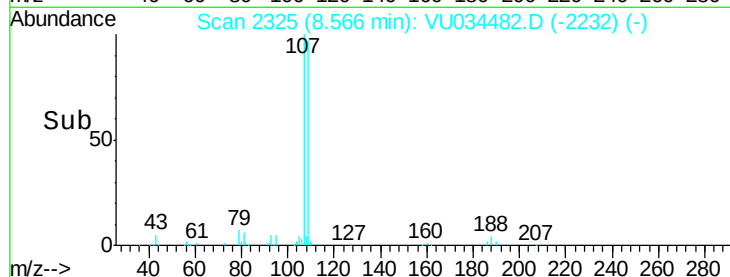
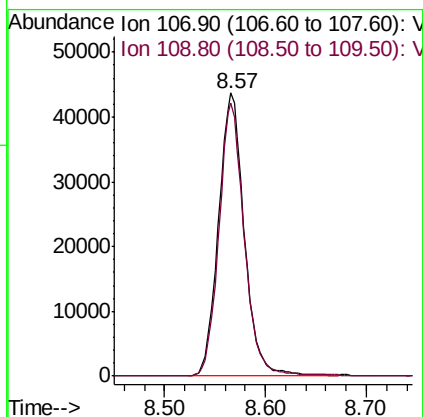
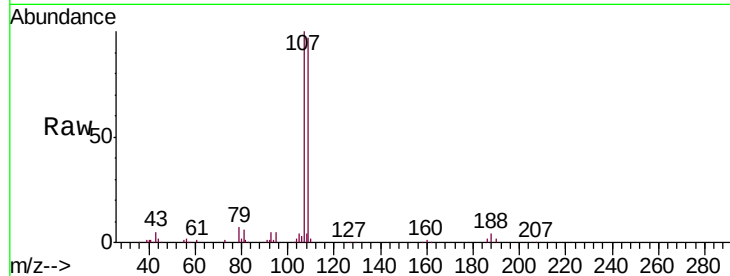
#61
 1,2-Dibromoethane
 Concen: 22.410 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.0	112.6

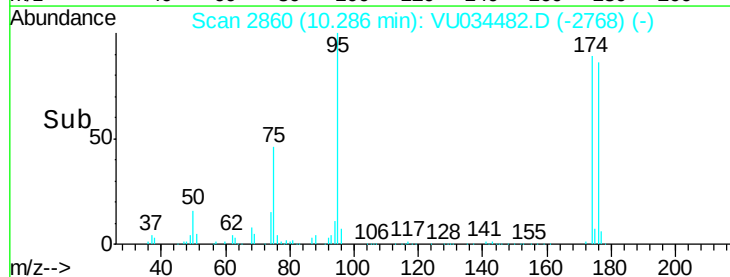
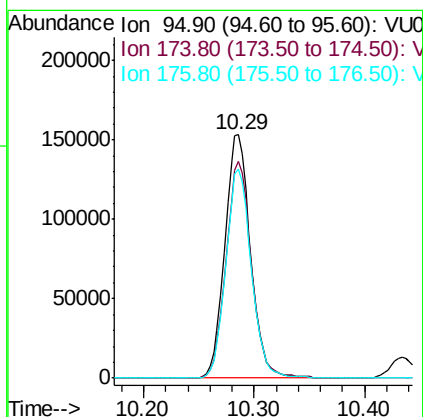
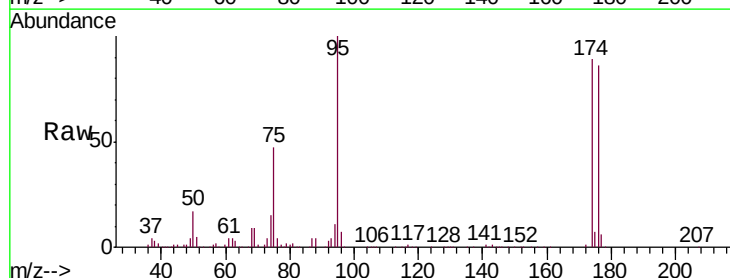
Manual Integrations
 APPROVED

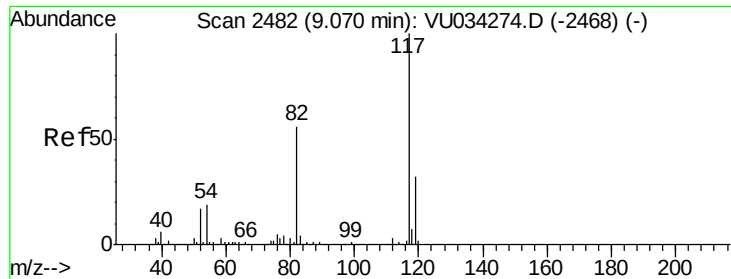
MMDadoda
 9/13/2019 7:12:05 AM



#62
 4-Bromofluorobenzene
 Concen: 51.510 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	175.2
176	85.2	0.0	168.0





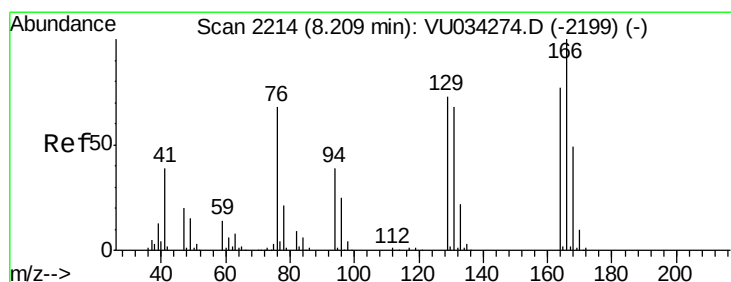
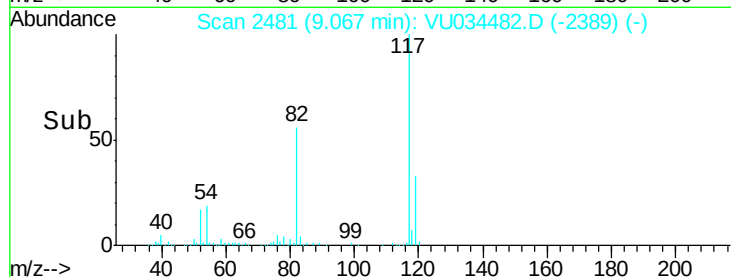
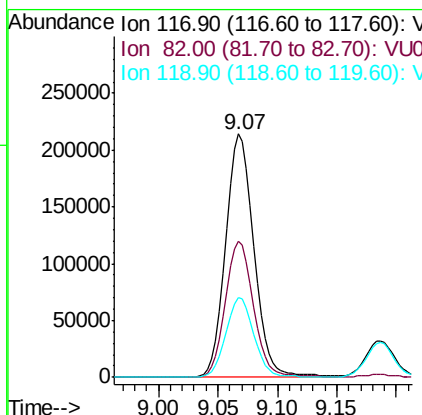
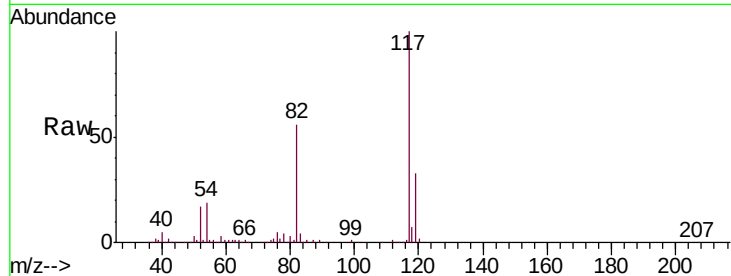
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	354811		
82	56.1	44.6	67.0	
119	32.7	25.9	38.9	

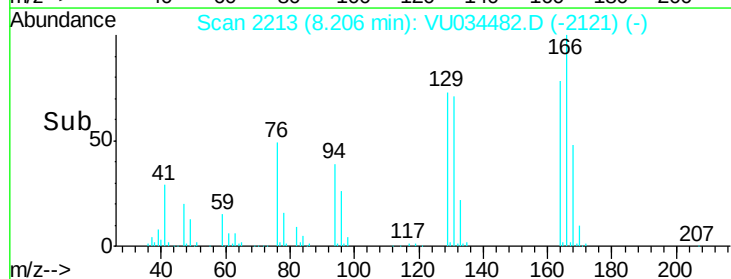
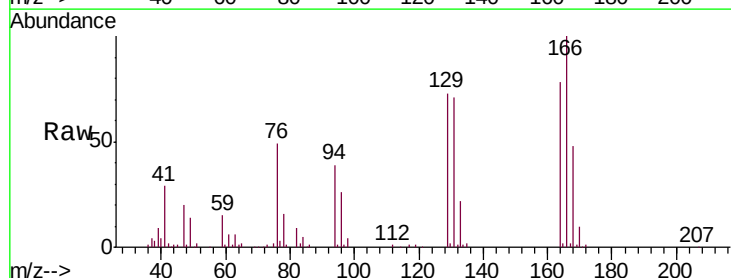
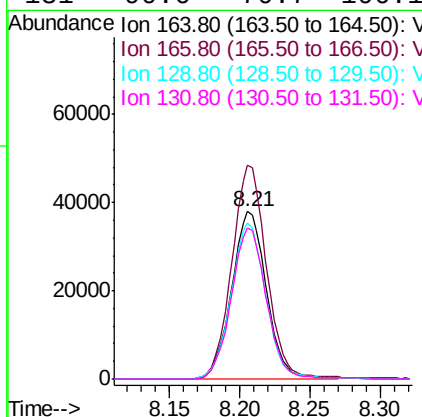
Manual Integrations
APPROVED

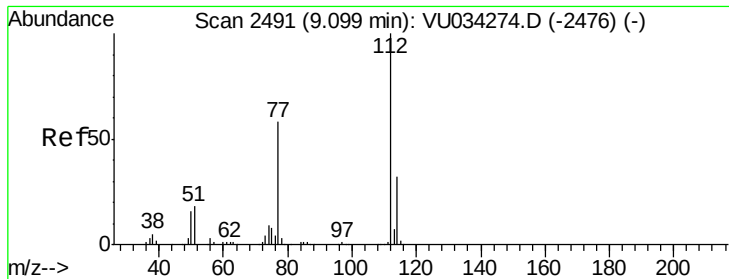
MMDadoda
9/13/2019 7:12:05 AM



#64
Tetrachloroethene
Concen: 21.268 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	65466		
166	127.8	103.7	155.5	
129	93.3	75.8	113.8	
131	90.6	70.7	106.1	





#65

Chlorobenzene

Concen: 22.065 ug/l

RT: 9.10 min Scan# 2490

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion:112 Resp: 198627

Ion Ratio Lower Upper

112 100

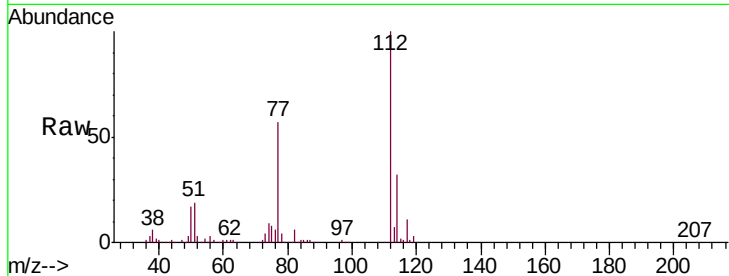
114 31.6 25.9 38.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

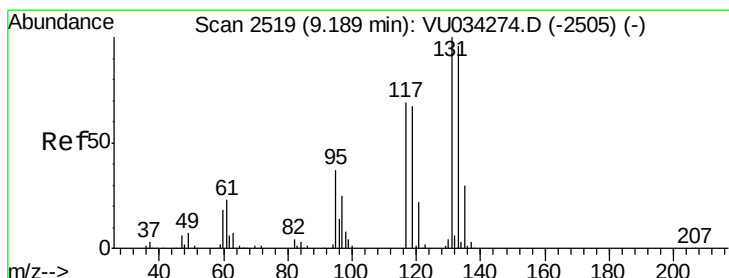
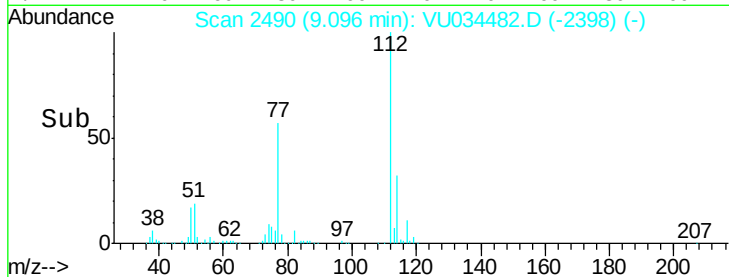
9.10

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 22.498 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

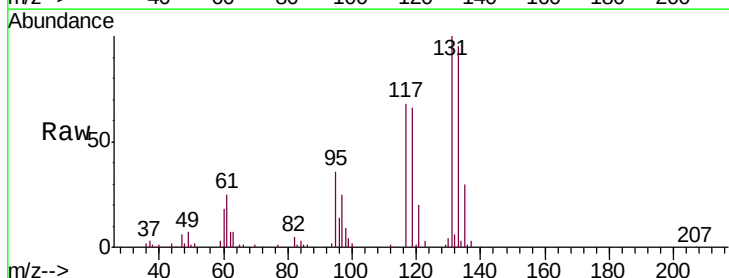
Tgt Ion:131 Resp: 77290

Ion Ratio Lower Upper

131 100

133 96.8 47.9 143.7

119 65.1 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

60000

50000

40000

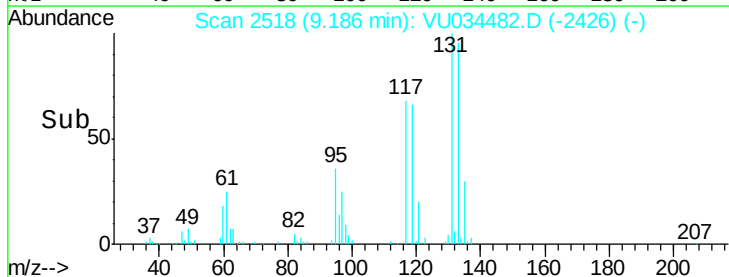
30000

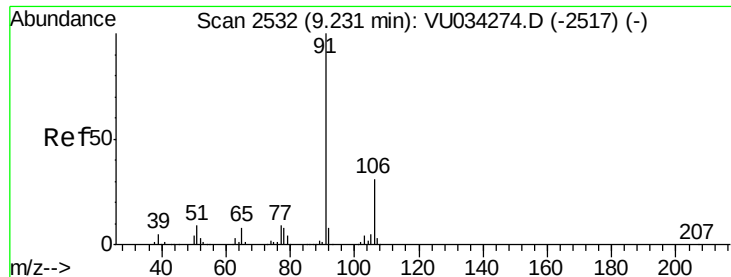
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 21.692 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 91 Resp: 319267

Ion Ratio Lower Upper

91 100

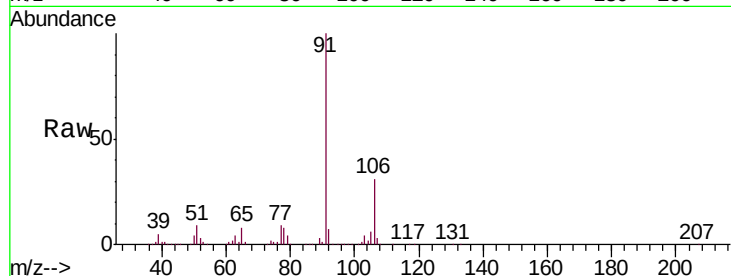
106 31.1 24.8 37.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034482.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034482.D (-2439) (-)

300000

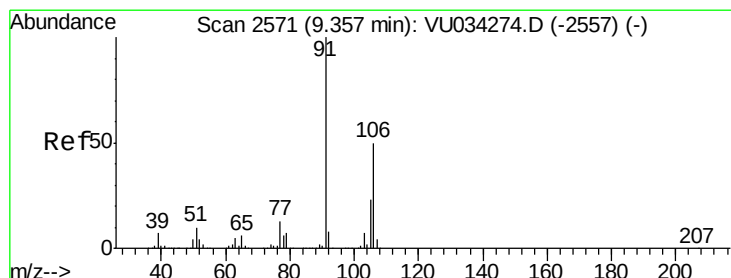
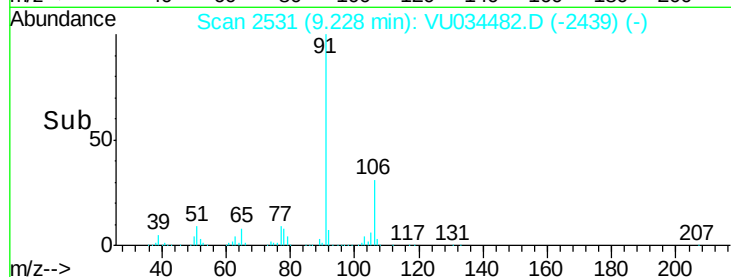
200000

100000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#68

m/p-Xylenes

Concen: 44.633 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034482.D

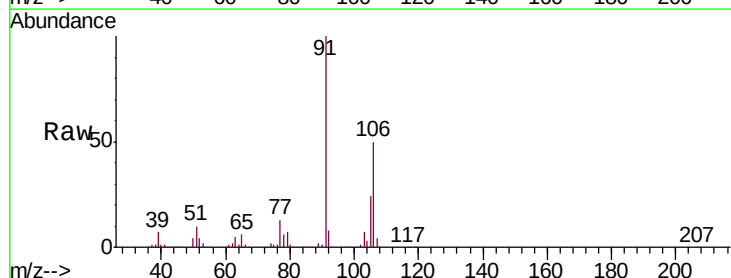
Acq: 11 Sep 2019 18:19

Tgt Ion: 106 Resp: 247370

Ion Ratio Lower Upper

106 100

91 201.6 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034482.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034482.D (-2478) (-)

300000

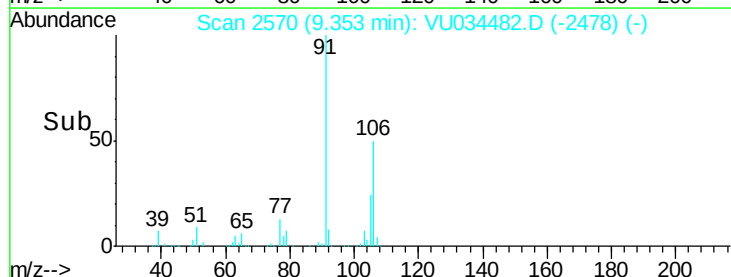
200000

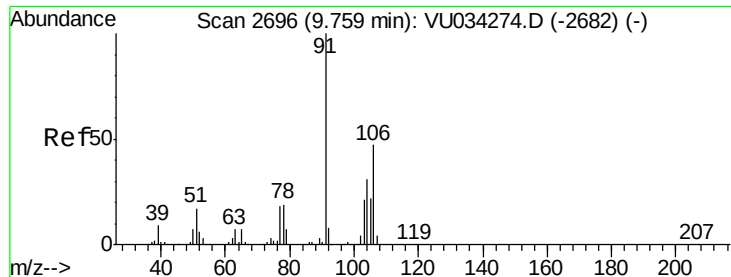
100000

0

9.30 9.40 9.50

Time-->





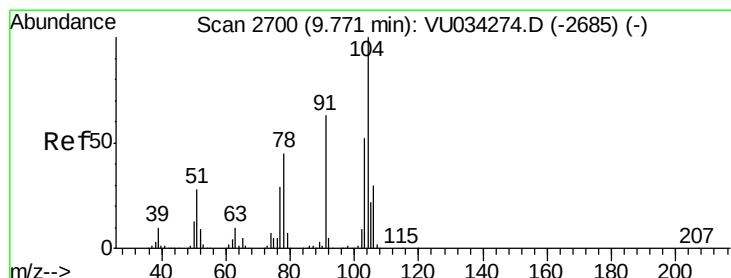
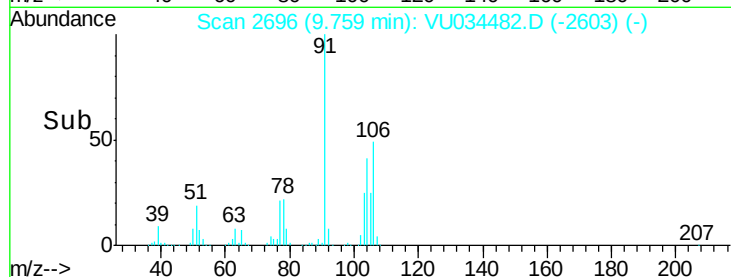
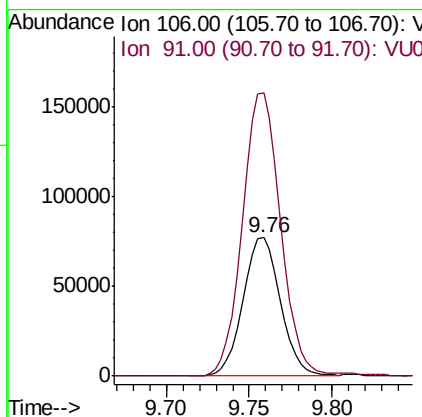
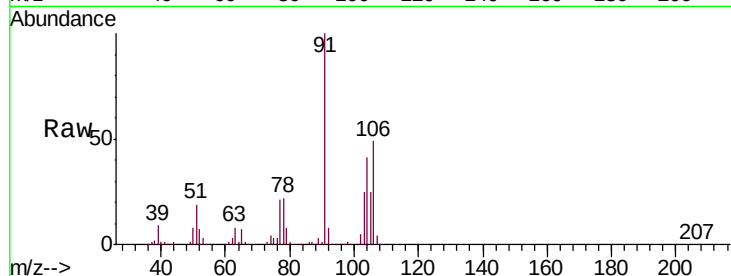
#69
o-Xylene
Concen: 22.452 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
106	100	121695		
91	210.4	105.1	315.3	

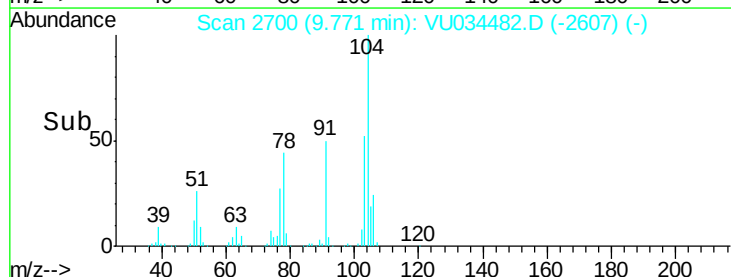
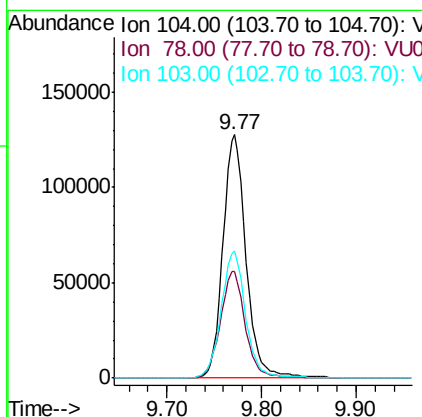
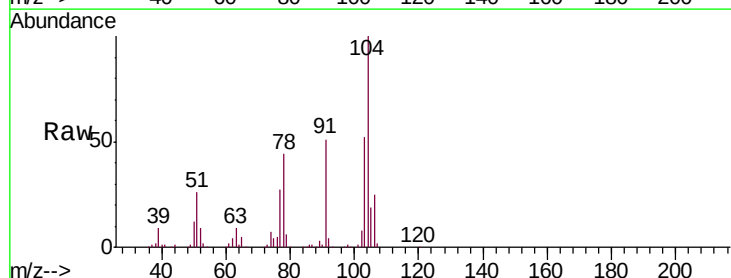
Manual Integrations
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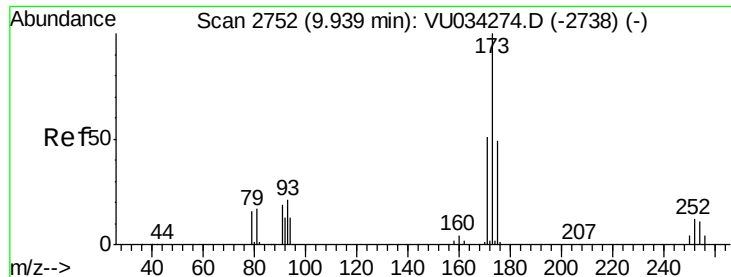
MMDadoda
9/13/2019 7:12:05 AM



#70
Styrene
Concen: 22.795 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	216621		
78	47.2	38.6	57.8	
103	55.5	44.2	66.4	





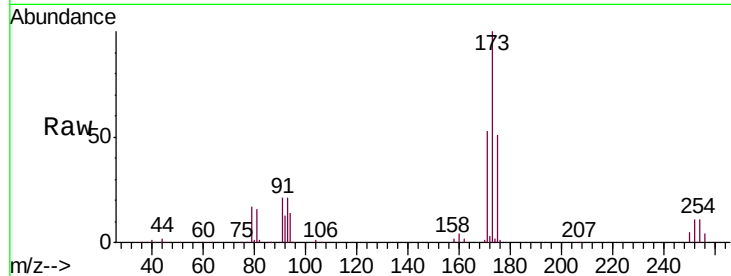
#71
Bromoform
Concen: 22.680 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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9/13/2019 7:12:05 AM

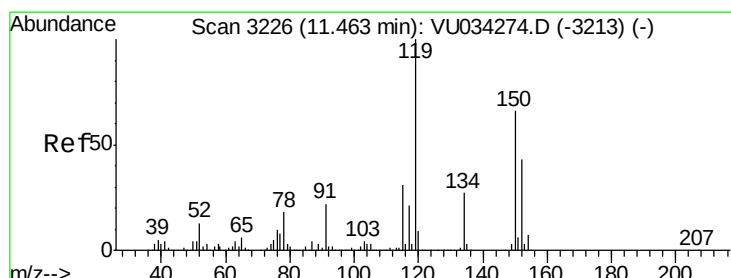
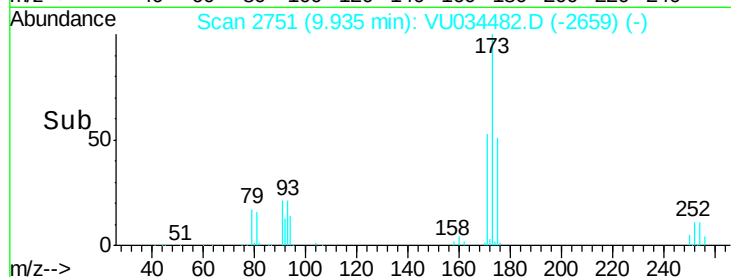
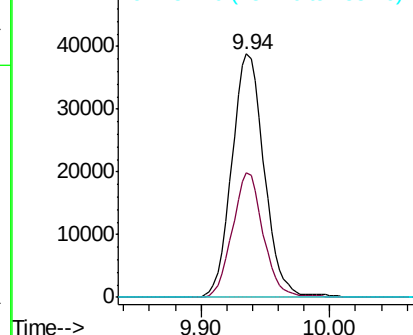


Abundance

Ion 172.70 (172.40 to 173.40): V

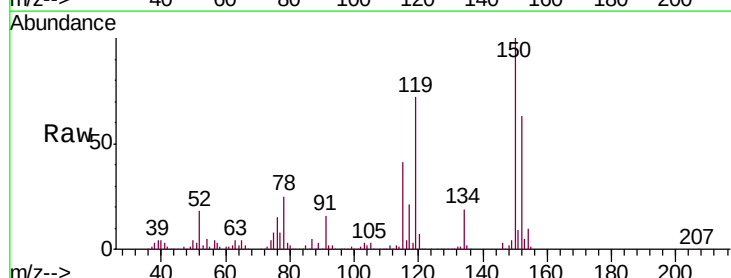
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	39.1	117.3
150	163.3	0.0	345.4

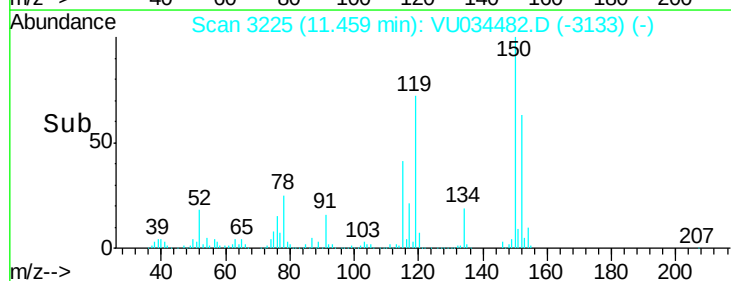
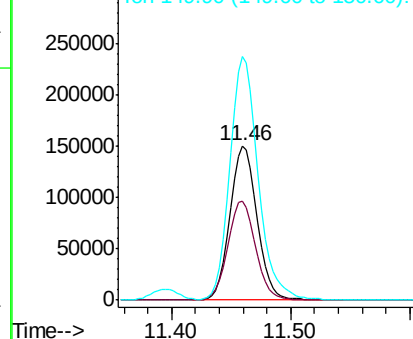


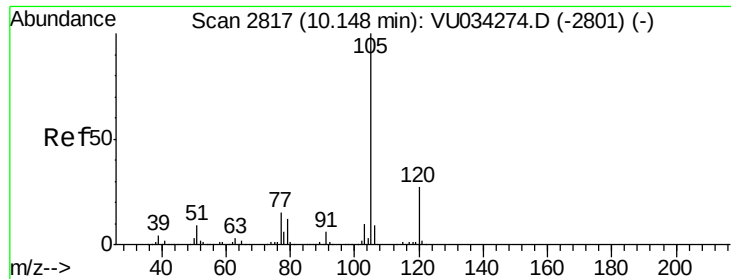
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





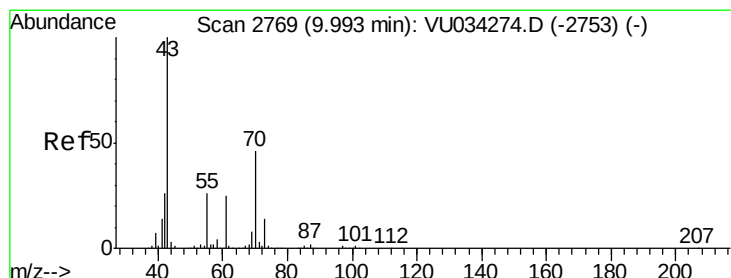
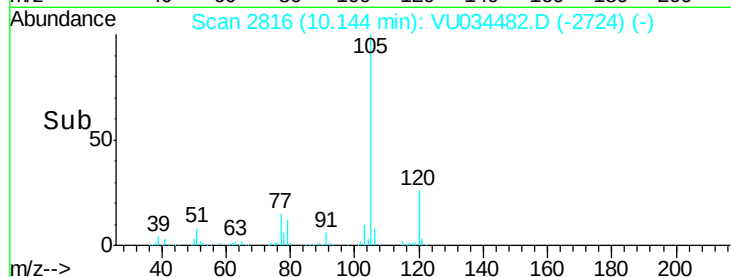
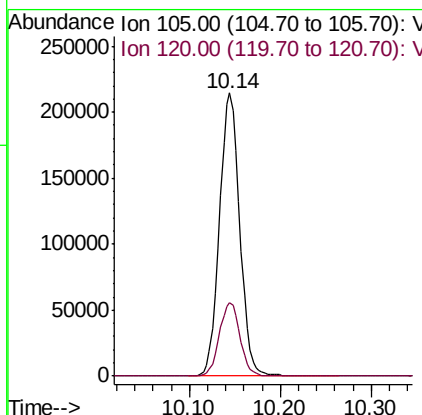
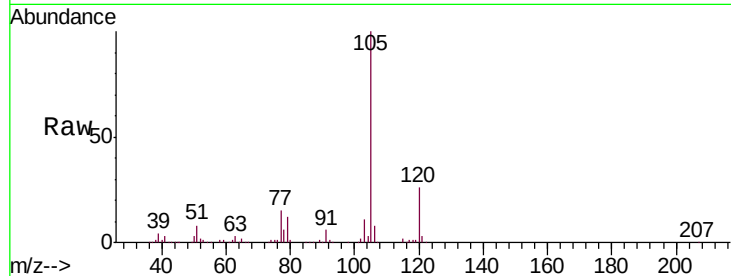
#73
Isopropylbenzene
Concen: 21.323 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

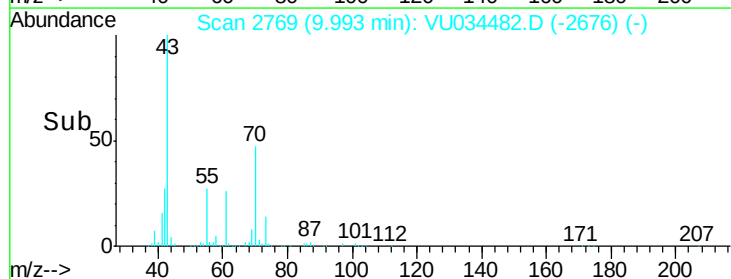
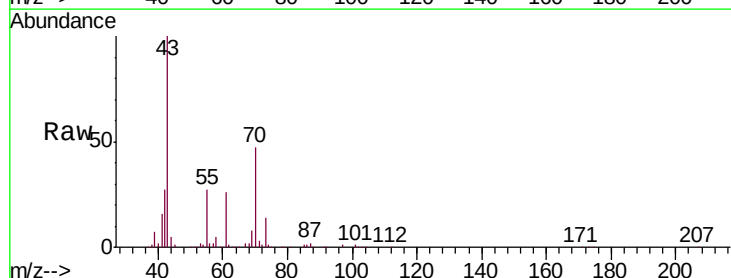
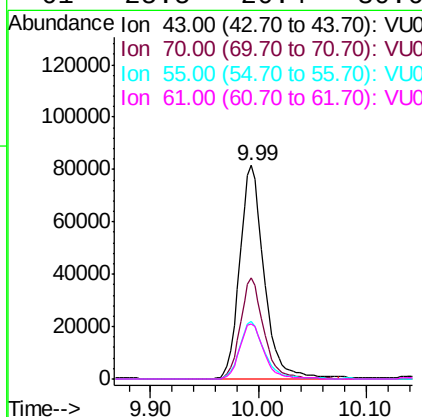
Manual Integrations
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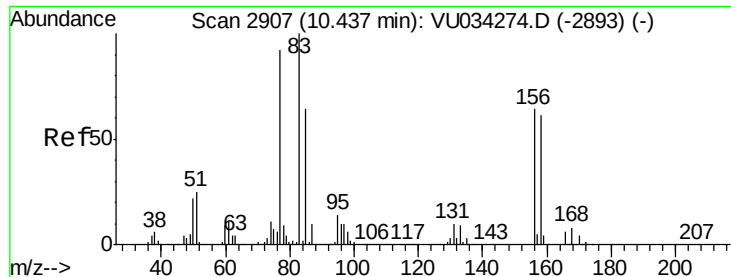
MMDadoda
9/13/2019 7:12:05 AM



#74
N-ethyl acetate
Concen: 20.486 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.4	54.6
55	27.0	21.2	31.8
61	25.5	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.610 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

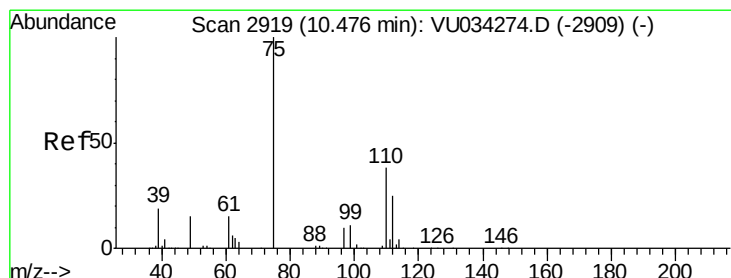
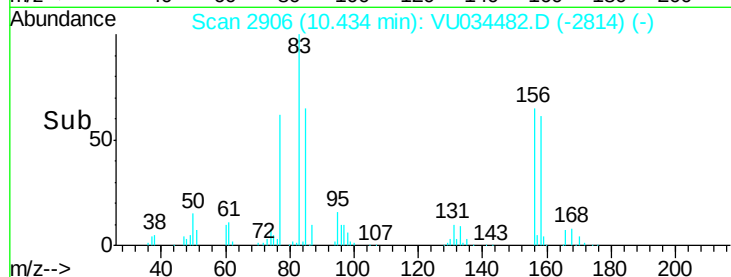
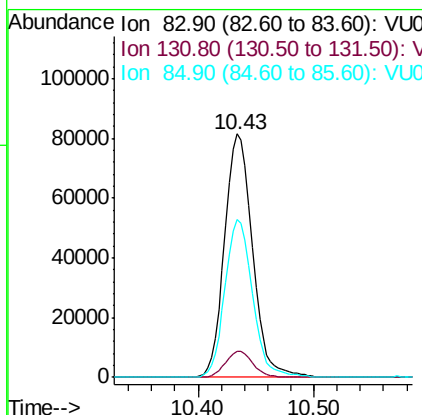
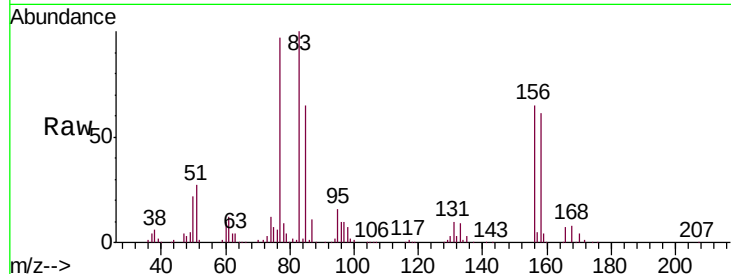
ClientSampled :

VU0912WBS01

Tgt Ion:	83	Resp:	135787
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.2
85	64.2	32.0	96.2

Manual Integrations
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9/13/2019 7:12:05 AM



#76

1,2,3-Trichloropropane

Concen: 22.299 ug/l m

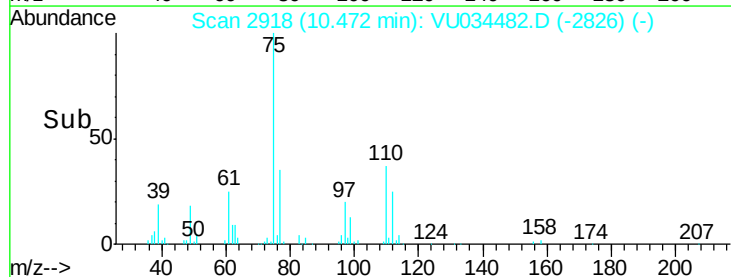
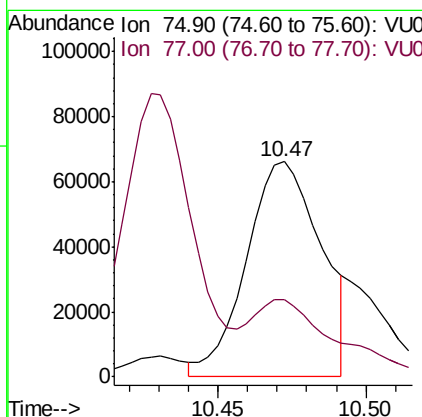
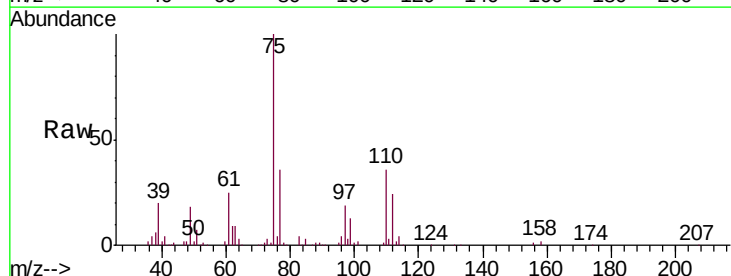
RT: 10.47 min Scan# 2918

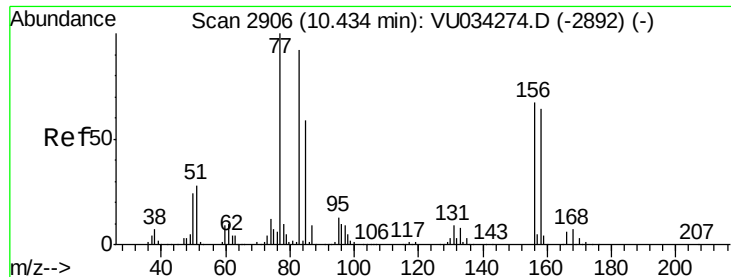
Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Tgt Ion:	75	Resp:	116108
Ion Ratio	Lower	Upper	
75	100		
77	41.3	20.8	62.2





#77

Bromobenzene

Concen: 21.691 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

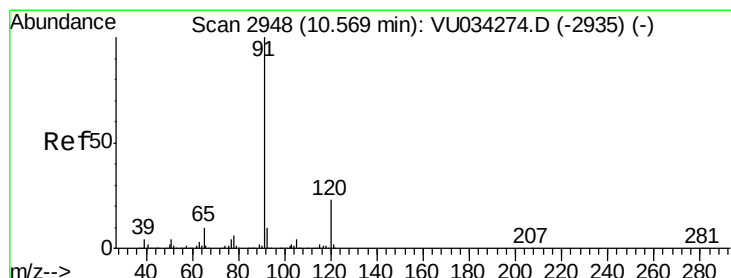
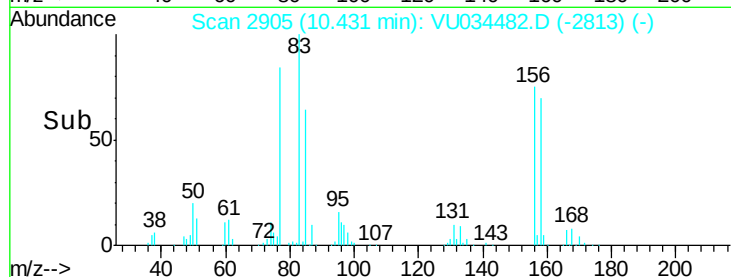
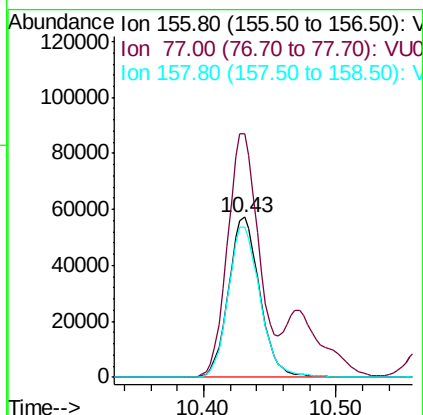
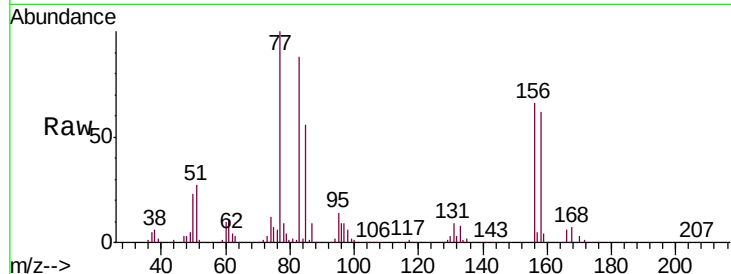
ClientSampleId :

VU0912WBS01

Tgt Ion:	156	Resp:	94150
Ion Ratio	Lower	Upper	
156	100		
77	152.3	75.6	226.9
158	95.9	48.2	144.6

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#78

n-propylbenzene

Concen: 21.479 ug/l

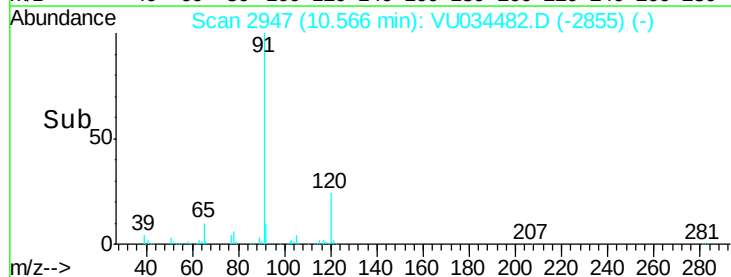
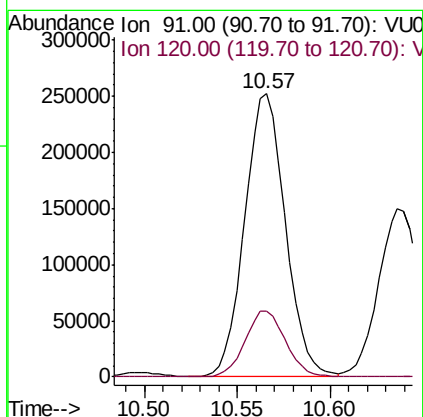
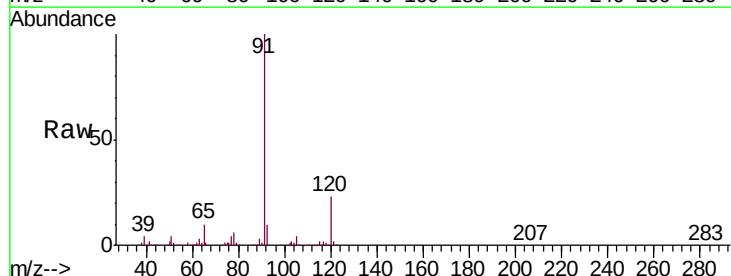
RT: 10.57 min Scan# 2947

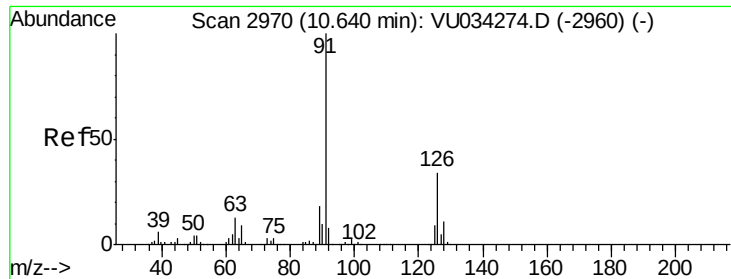
Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Tgt Ion:	91	Resp:	385085
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0





#79

2-Chlorotoluene

Concen: 21.829 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion: 91 Resp: 238783

Ion Ratio Lower Upper

91 100

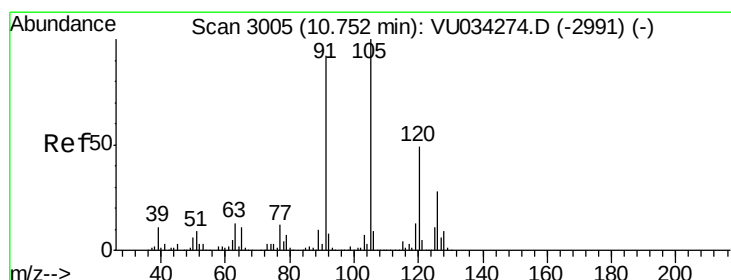
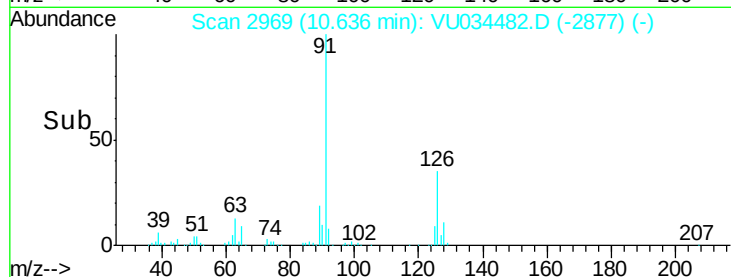
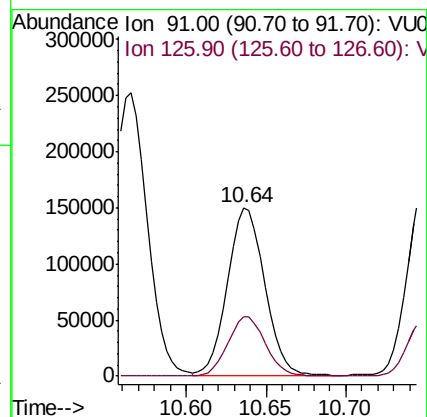
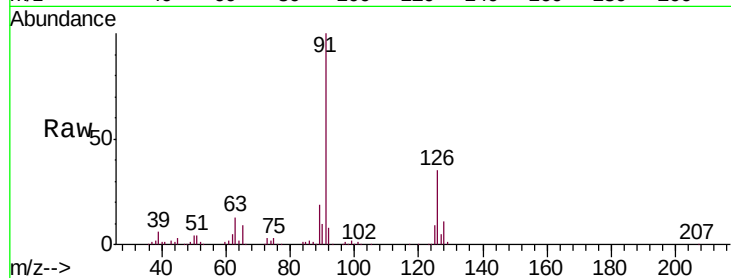
126 35.5 17.3 51.9

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#80

1,3,5-Trimethylbenzene

Concen: 22.451 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034482.D

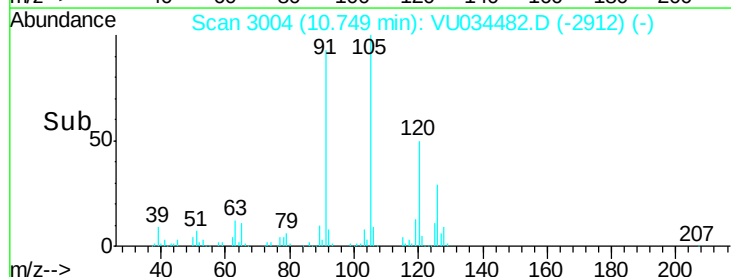
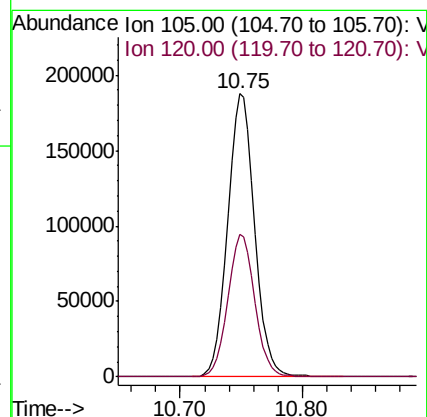
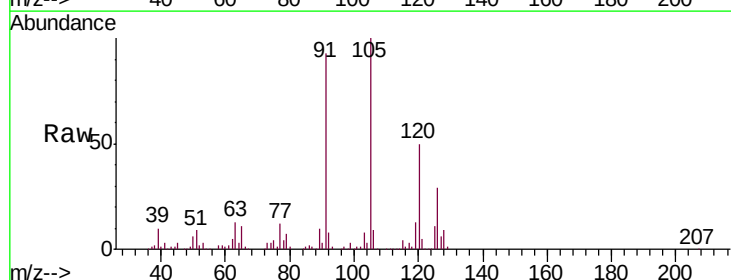
Acq: 11 Sep 2019 18:19

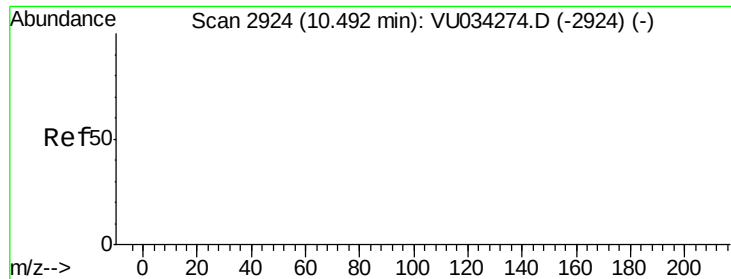
Tgt Ion: 105 Resp: 291475

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.7





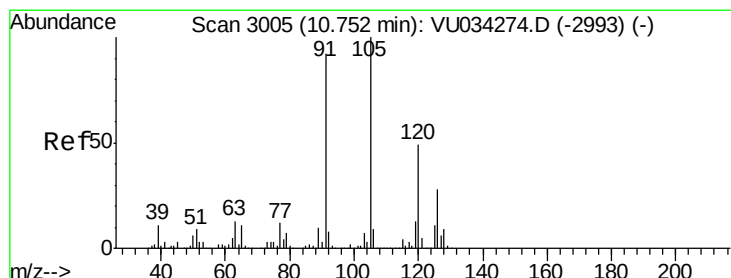
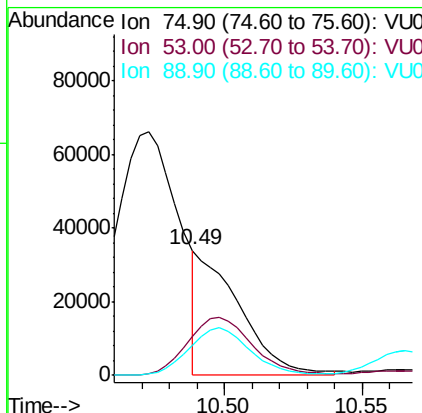
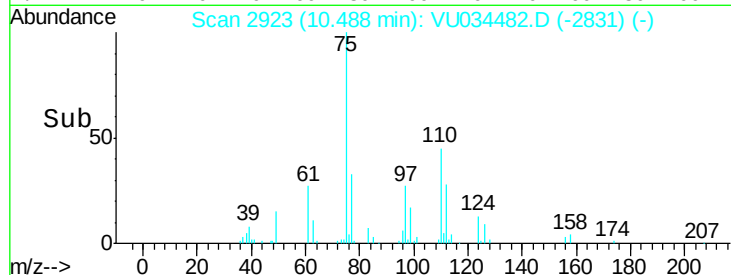
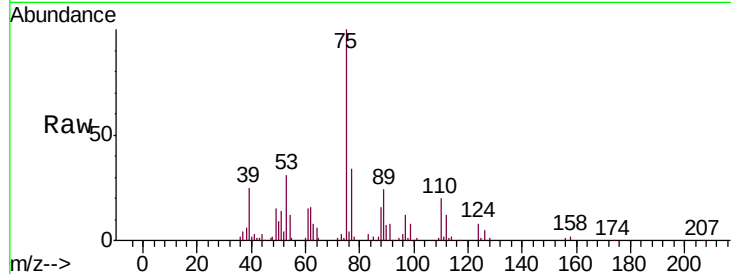
#81
trans-1,4-Dichloro-2-butene
Concen: 23.295 ug/l m
RT: 10.49 min Scan# 2923
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion: 75 Resp: 36068
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

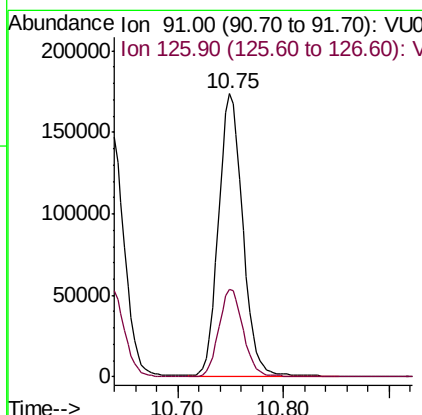
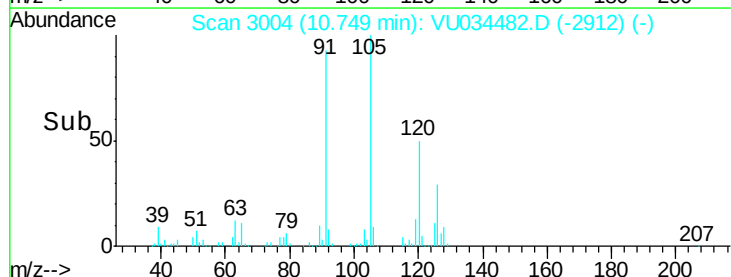
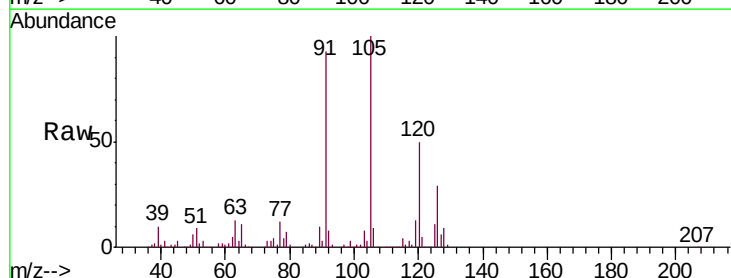
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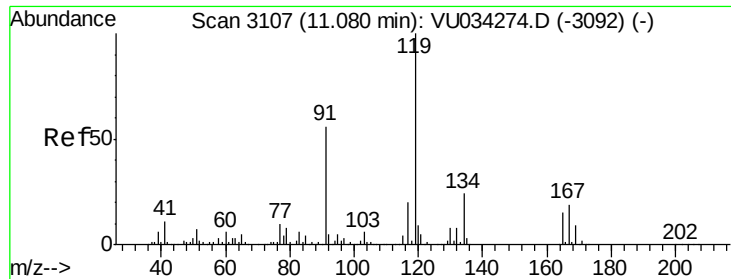
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#82
4-Chlorotoluene
Concen: 21.935 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion: 91 Resp: 276134
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.8





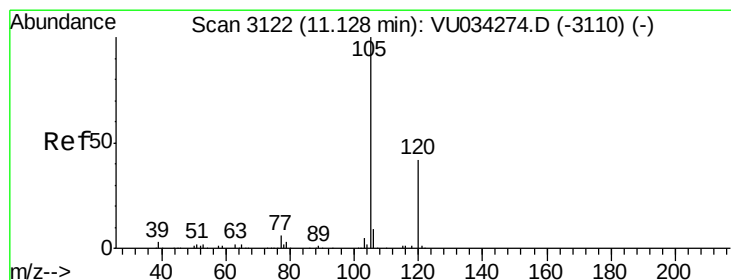
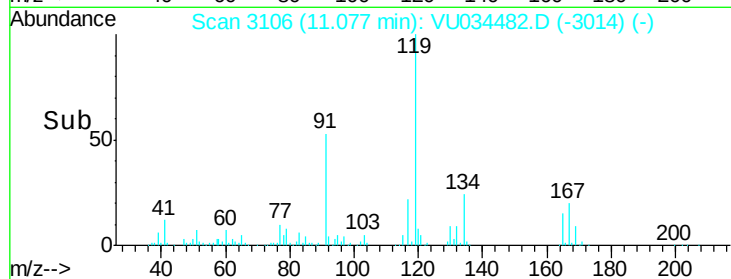
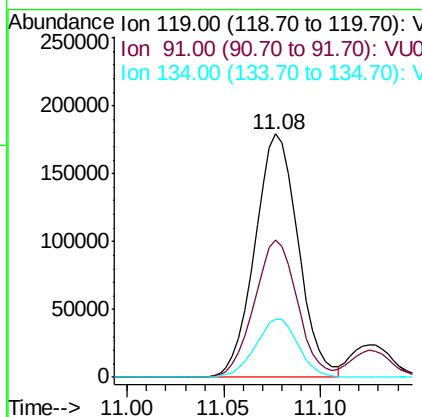
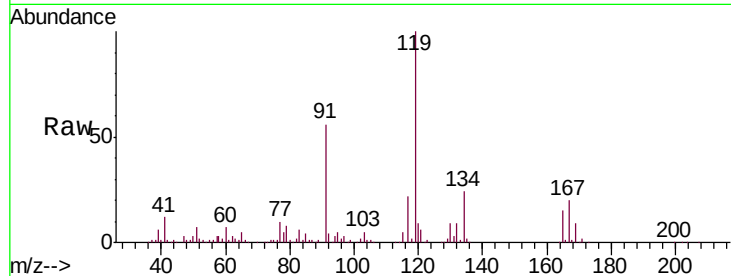
#83
 tert-Butylbenzene
 Concen: 21.602 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	280564		
91	55.8	27.8	83.4	
134	23.6	11.7	35.0	

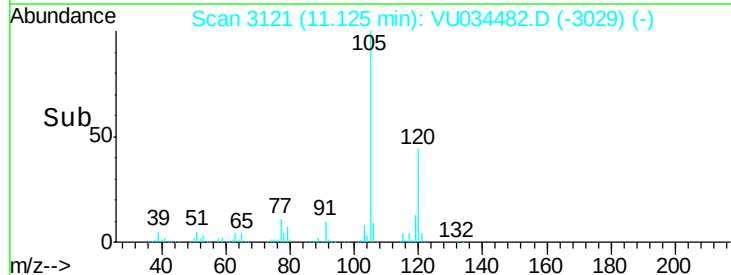
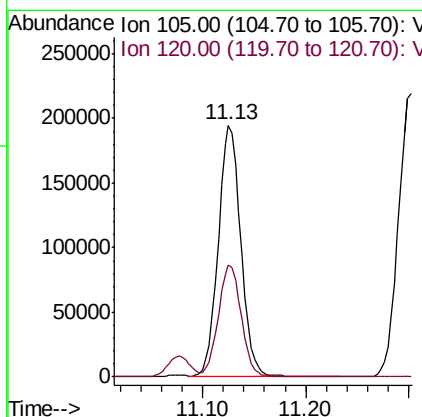
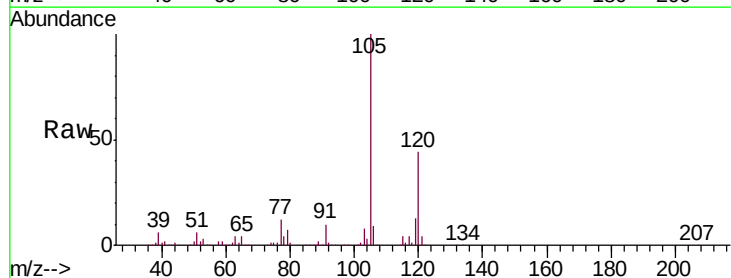
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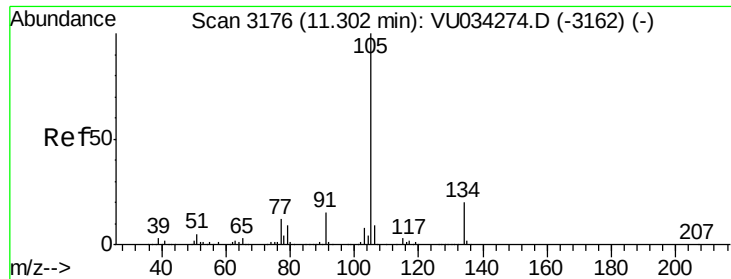
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.518 ug/l
 RT: 11.13 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294279		
120	45.2	22.9	68.8	





#85

sec-Butylbenzene

Concen: 22.058 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01

Tgt Ion:105 Resp: 338214

Ion Ratio Lower Upper

105 100

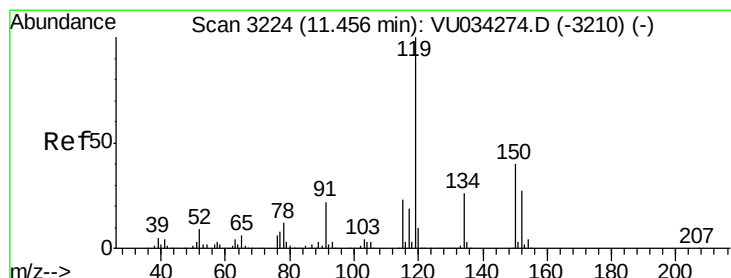
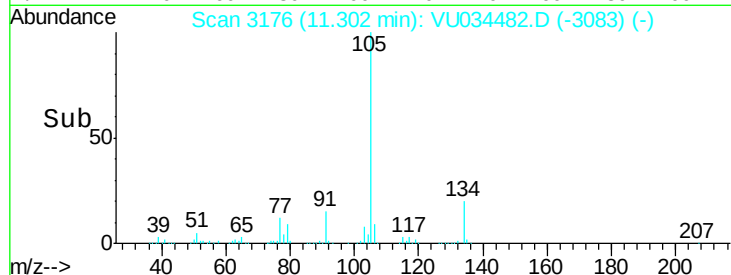
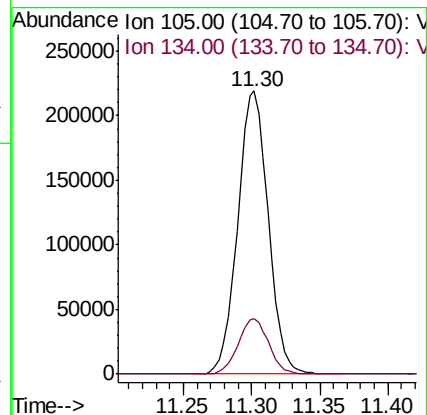
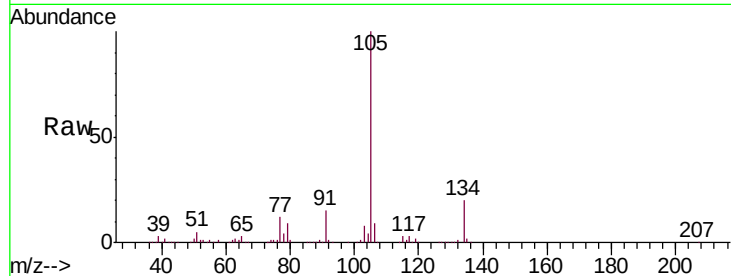
134 19.6 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 21.970 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

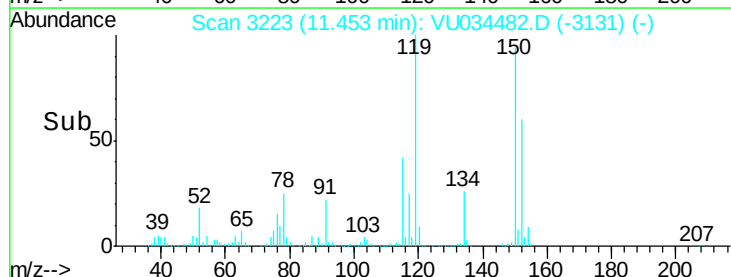
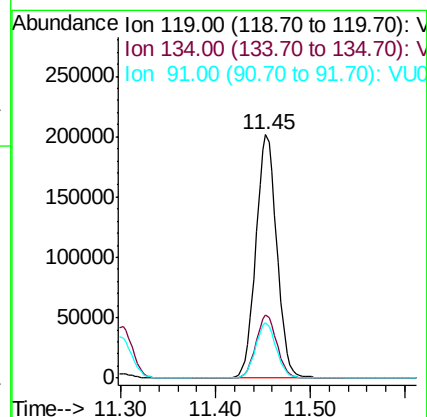
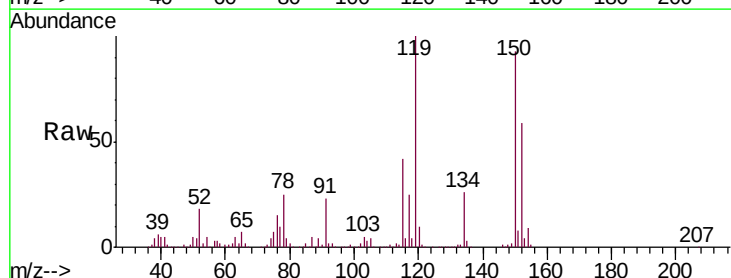
Tgt Ion:119 Resp: 310922

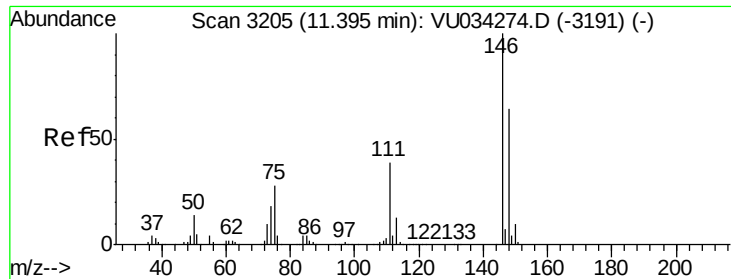
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 22.4 11.2 33.6





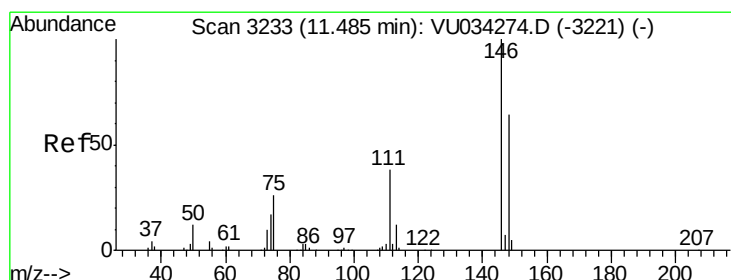
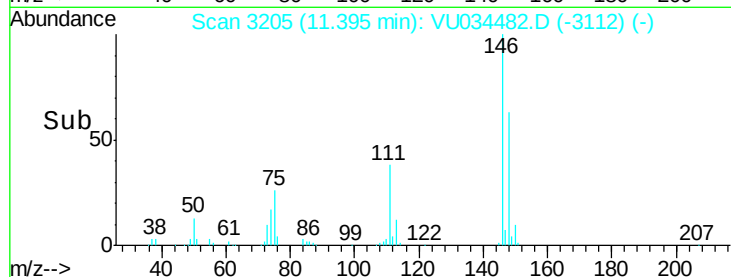
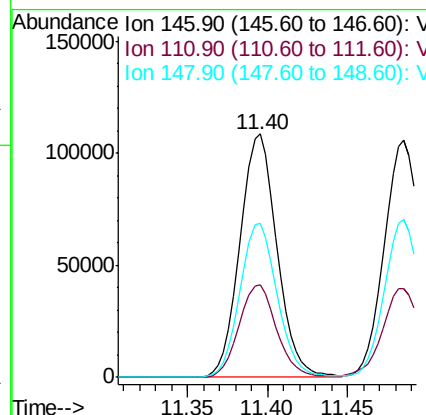
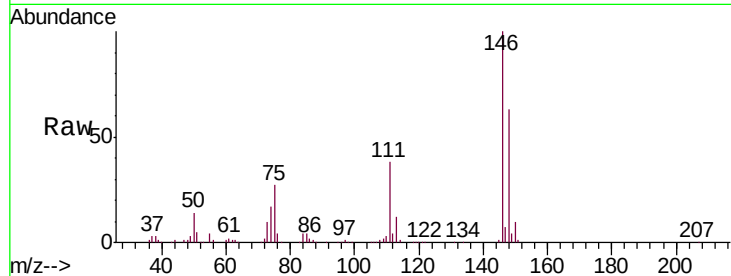
#87
 1,3-Dichlorobenzene
 Concen: 21.662 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	171573		
111	38.6	19.5	58.5	
148	63.7	32.1	96.3	

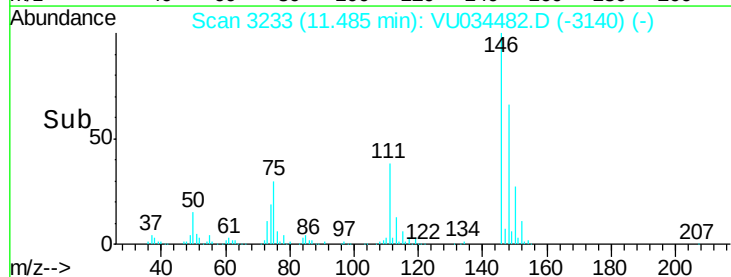
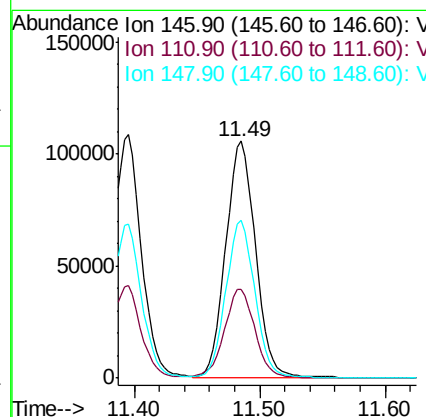
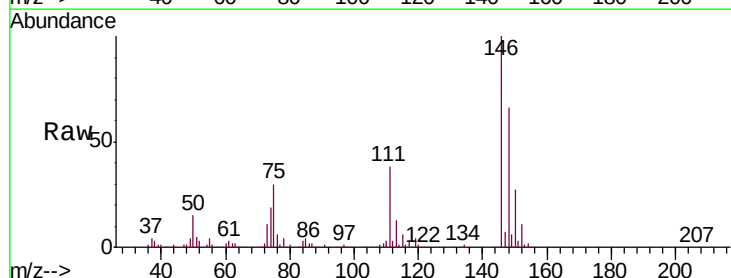
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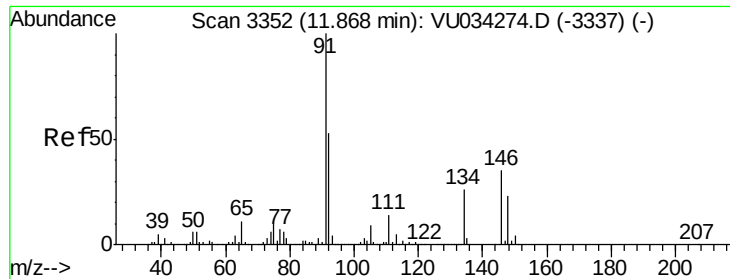
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#88
 1,4-Dichlorobenzene
 Concen: 20.985 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173366		
111	38.5	19.1	57.3	
148	64.7	32.0	96.0	





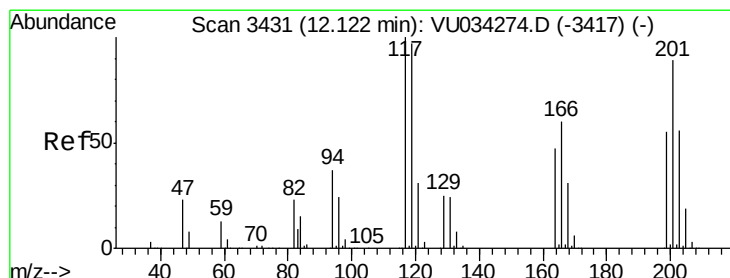
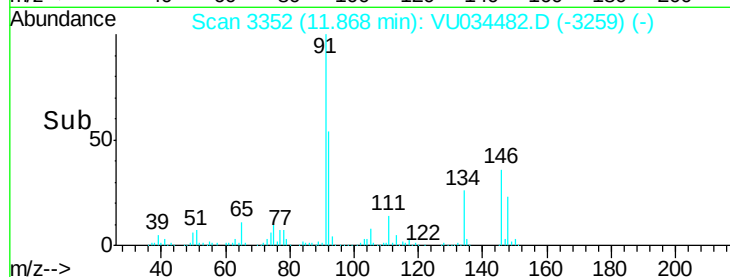
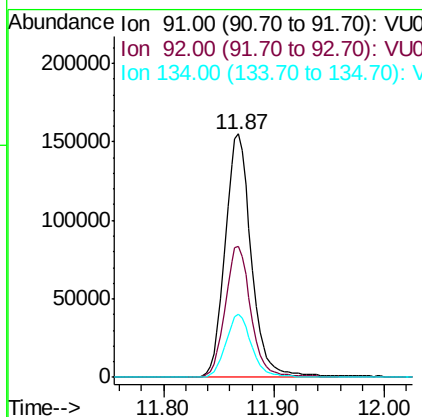
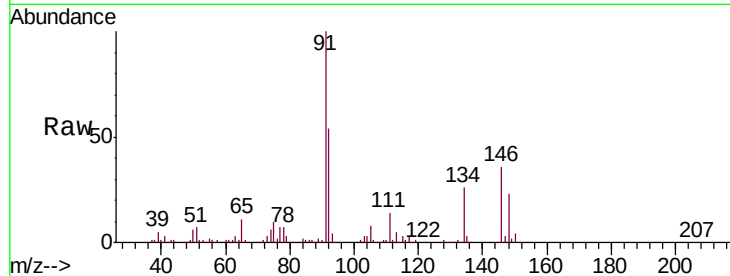
#89
n-Butylbenzene
Concen: 20.822 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	25.7	13.2	39.6

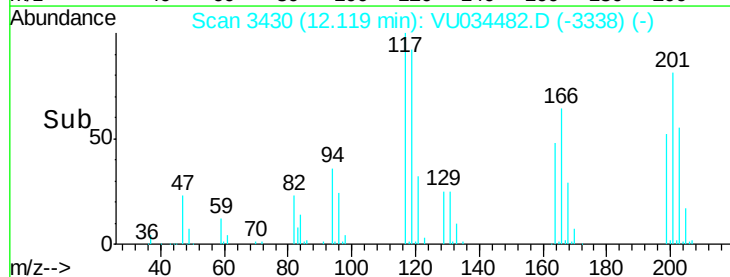
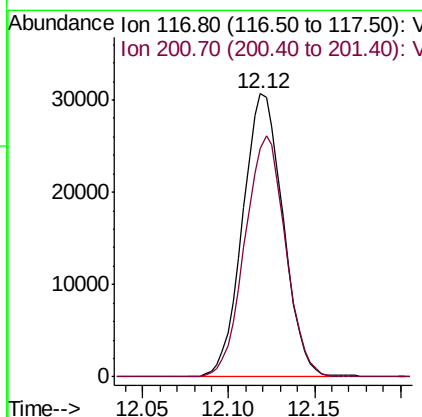
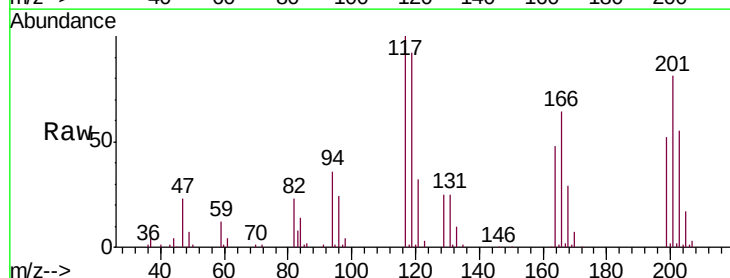
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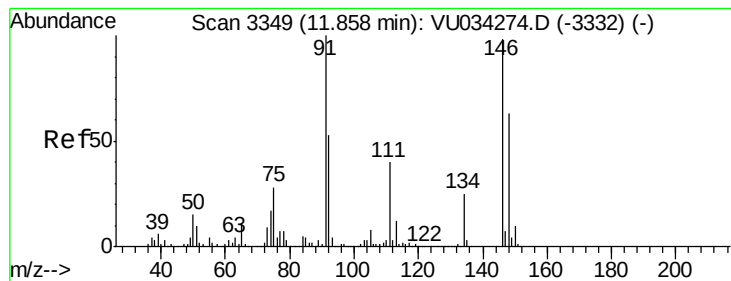
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#90
Hexachloroethane
Concen: 22.155 ug/l
RT: 12.12 min Scan# 3430
Delta R.T. -0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	44.1	132.4





#91

1,2-Dichlorobenzene

Concen: 21.627 ug/l

RT: 11.85 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VU034482.D

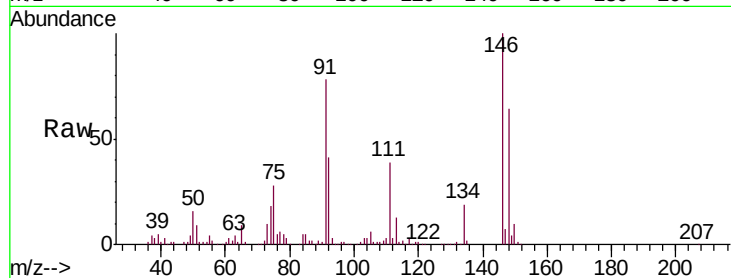
Acq: 11 Sep 2019 18:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS01



Tgt Ion: 146 Resp: 168352

Ion Ratio Lower Upper

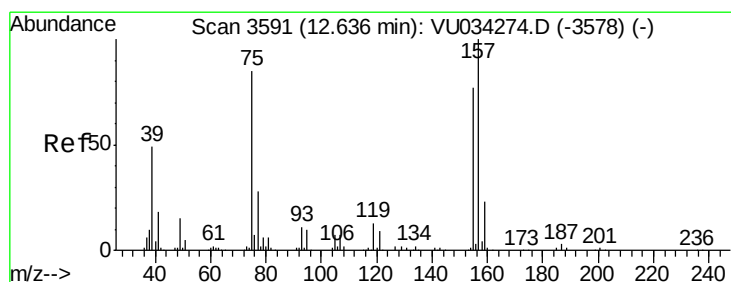
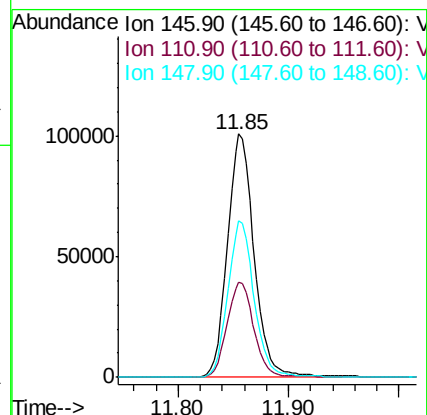
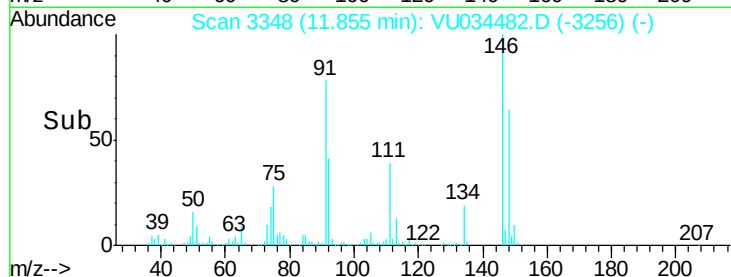
146 100

111 39.8 20.0 60.0

148 63.9 31.6 94.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.962 ug/l

RT: 12.64 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VU034482.D

Acq: 11 Sep 2019 18:19

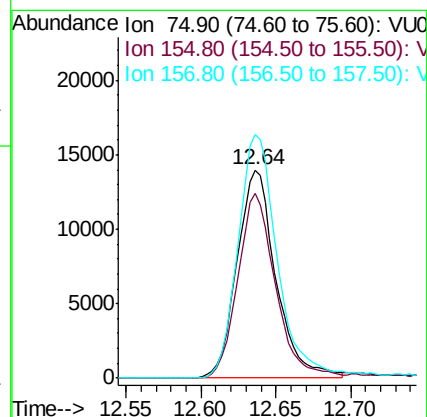
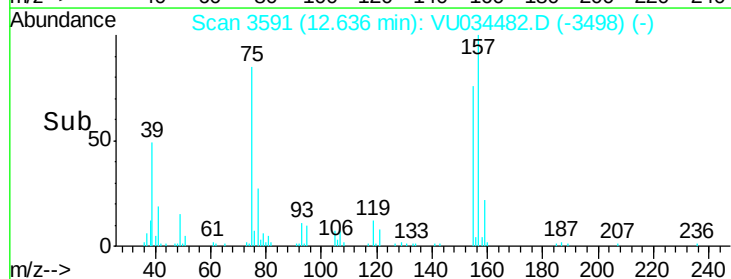
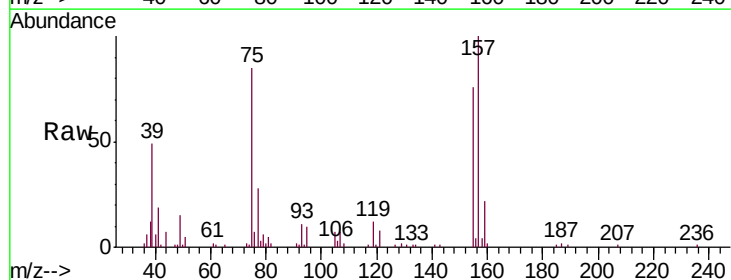
Tgt Ion: 75 Resp: 25358

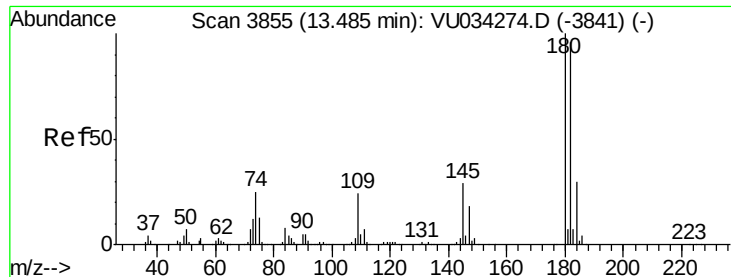
Ion Ratio Lower Upper

75 100

155 86.0 44.6 134.0

157 120.0 58.2 174.6





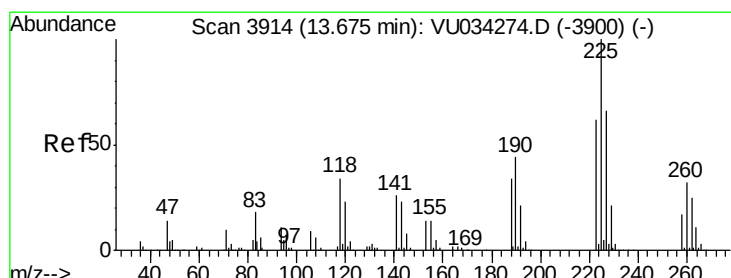
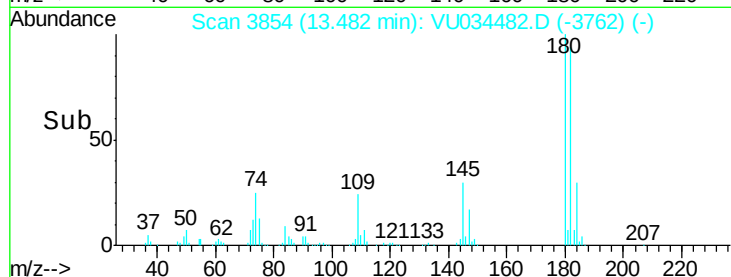
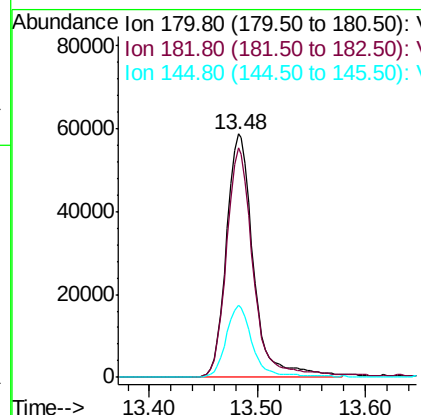
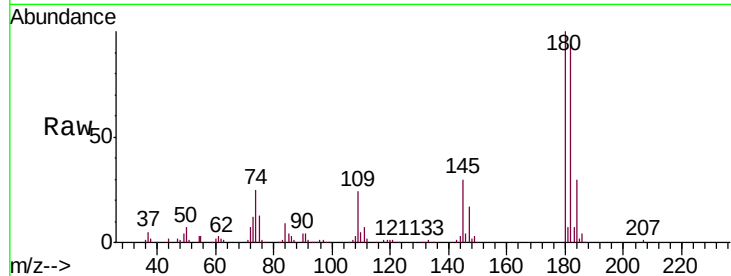
#93
 1,2,4-Trichlorobenzene
 Concen: 20.413 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.8	47.9	143.8
145	27.9	14.4	43.0

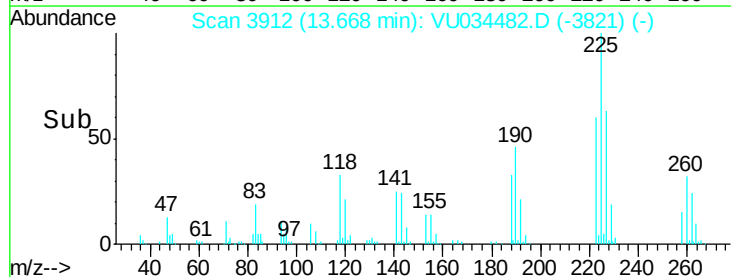
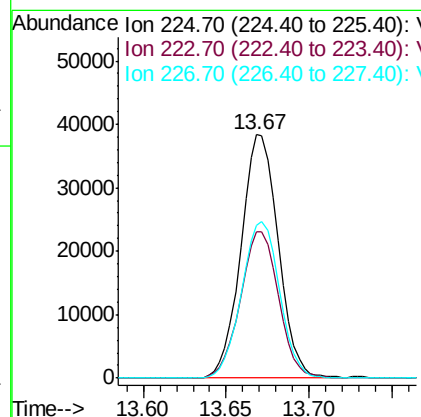
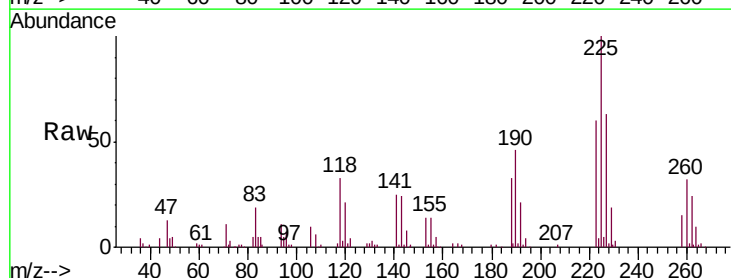
Manual Integrations
 APPROVED

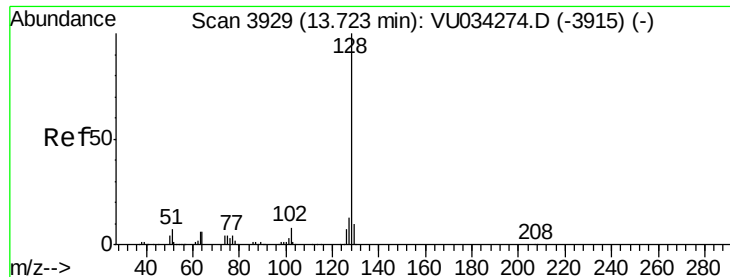
MMDadoda
 9/13/2019 7:12:05 AM



#94
 Hexachlorobutadiene
 Concen: 22.020 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034482.D
 Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.7	31.6	94.7
227	65.9	32.3	96.8





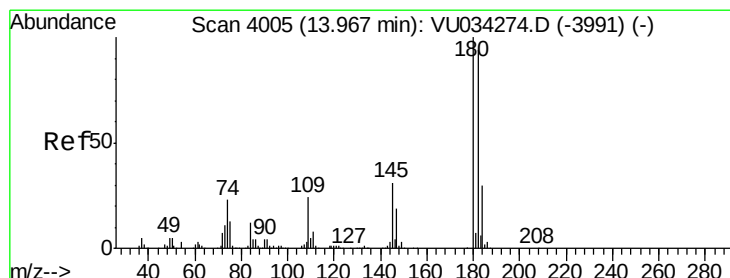
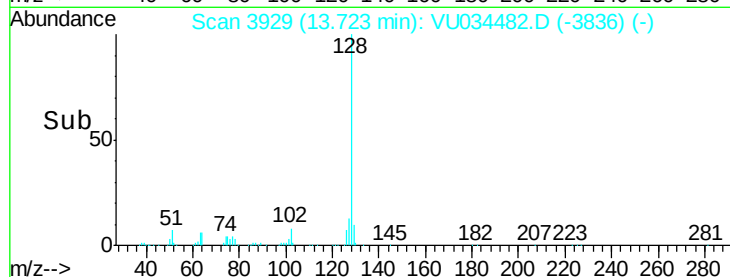
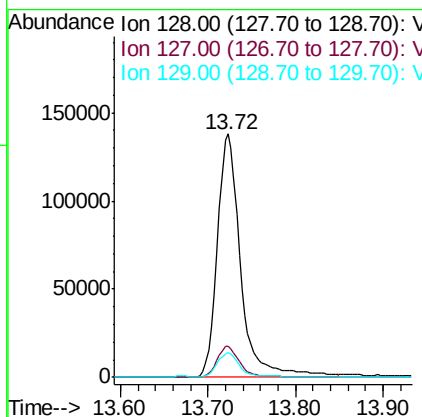
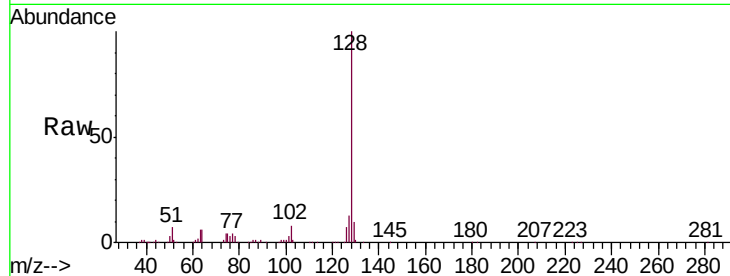
#95
Naphthalene
Concen: 18.854 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	257087		
127	12.6	10.6	15.8	
129	9.2	8.4	12.6	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.981 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034482.D
Acq: 11 Sep 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105591		
182	91.8	48.4	145.0	
145	30.8	15.4	46.4	

