

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101018\
 Data File : VU027553.D
 Acq On : 10 Oct 2018 03:45
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:44 AM

Quant Time: Oct 11 04:33:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	125717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	217432	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	200075	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	100196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	98681	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	
35) Dibromofluoromethane	4.88	113	73411	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
50) Toluene-d8	7.57	98	277472	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	10.31	95	102849	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	85068	46.935	ug/l	99
3) Chloromethane	1.33	50	106525	43.412	ug/l	98
4) Vinyl Chloride	1.40	62	107335	46.532	ug/l	98
5) Bromomethane	1.62	94	64116	64.238	ug/l	99
6) Chloroethane	1.69	64	61836	44.612	ug/l	97
7) Trichlorofluoromethane	1.88	101	114043	48.727	ug/l	97
8) Diethyl Ether	2.11	74	51044	47.345	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	65360	48.087	ug/l	98
10) Methyl Iodide	2.41	142	57512	48.628	ug/l	98
11) Tert butyl alcohol	2.83	59	109829	248.443	ug/l	98
12) 1,1-Dichloroethene	2.28	96	62208	46.845	ug/l	98
13) Acrolein	2.20	56	41698	112.411	ug/l	99
14) Allyl chloride	2.59	41	140470	44.545	ug/l	99
15) Acrylonitrile	2.94	53	292669	254.365	ug/l	99
16) Acetone	2.32	43	240926	194.270	ug/l	98
17) Carbon Disulfide	2.48	76	191226	39.927	ug/l	100
18) Methyl Acetate	2.62	43	156430	55.293	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	267365	50.248	ug/l	98
20) Methylene Chloride	2.70	84	82013	47.476	ug/l	95
21) trans-1,2-Dichloroethene	2.98	96	70048	46.984	ug/l	99
22) Diisopropyl ether	3.58	45	315923	49.291	ug/l	99
23) Vinyl Acetate	3.53	43	1337813	239.008	ug/l	99
24) 1,1-Dichloroethane	3.45	63	160375	48.673	ug/l	99
25) 2-Butanone	4.26	43	410182	242.546	ug/l	99
26) 2,2-Dichloropropane	4.23	77	94925	35.061	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	83351	48.887	ug/l	95
28) Bromochloromethane	4.55	49	81671	51.376	ug/l	97
29) Tetrahydrofuran	4.64	42	268469	251.898	ug/l	98
30) Chloroform	4.67	83	145067	49.554	ug/l	99
31) Cyclohexane	5.00	56	148691	44.135	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	120595	48.913	ug/l	99
36) 1,1-Dichloropropene	5.14	75	111930	47.412	ug/l	99
37) Ethyl Acetate	4.38	43	153077	50.171	ug/l	98
38) Carbon Tetrachloride	5.14	117	101530	47.609	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	125658	45.533	ug/l	98
40) Benzene	5.39	78	328683	47.796	ug/l	100
41) Methacrylonitrile	4.54	41	87120	50.518	ug/l	99
42) 1,2-Dichloroethane	5.41	62	122038	47.809	ug/l	100
43) Isopropyl Acetate	5.55	43	239484	50.538	ug/l	99
44) Trichloroethene	6.19	130	72361	47.190	ug/l	98
45) 1,2-Dichloropropane	6.43	63	96305	48.553	ug/l	98
46) Dibromomethane	6.56	93	55804	49.814	ug/l	98
47) Bromodichloromethane	6.76	83	111271	47.868	ug/l	99
48) Methyl methacrylate	6.62	41	119951	50.902	ug/l	99
49) 1,4-Dioxane	6.61	88	40731	1004.575	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	783950	254.589	ug/l	99
52) Toluene	7.64	92	197141	48.434	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	127588	46.814	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	138425	47.245	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	80481	49.870	ug/l	99
56) Ethyl methacrylate	8.02	69	141497	45.977	ug/l	97
57) 1,3-Dichloropropane	8.24	76	151430	48.336	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	397774	234.891	ug/l	98
59) 2-Hexanone	8.36	43	600839	251.537	ug/l	98
60) Dibromochloromethane	8.48	129	81263	50.206	ug/l	100
61) 1,2-Dibromoethane	8.59	107	83701	48.781	ug/l	99
64) Tetrachloroethene	8.23	164	60258	48.380	ug/l	98
65) Chlorobenzene	9.12	112	206442	49.019	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	74146	51.000	ug/l	98
67) Ethyl Benzene	9.25	91	368922	49.444	ug/l	99
68) m/p-Xylenes	9.38	106	276261	101.221	ug/l	99
69) o-Xylene	9.78	106	134823	51.983	ug/l	98
70) Styrene	9.79	104	223697	46.318	ug/l	100
71) Bromoform	9.96	173	60862	52.032	ug/l #	99
73) Isopropylbenzene	10.17	105	365498	50.226	ug/l	100
74) N-amyl acetate	10.02	43	211337	50.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	141030	49.356	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	119435m	45.984	ug/l	
77) Bromobenzene	10.45	156	84329	49.863	ug/l	98
78) n-propylbenzene	10.59	91	434315	49.668	ug/l	100
79) 2-Chlorotoluene	10.66	91	255097	48.316	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	304068	51.323	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	47053m	47.412	ug/l	
82) 4-Chlorotoluene	10.77	91	293876	49.049	ug/l	98
83) tert-Butylbenzene	11.10	119	291406	50.878	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	310453	51.298	ug/l	100
85) sec-Butylbenzene	11.32	105	369875	51.253	ug/l	99
86) p-Isopropyltoluene	11.48	119	314887	50.962	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	154131	48.130	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	157314	48.072	ug/l	100
89) n-Butylbenzene	11.89	91	292624	44.838	ug/l	100
90) Hexachloroethane	12.15	117	57577	49.436	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	157197	50.429	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	32401	51.164	ug/l	94

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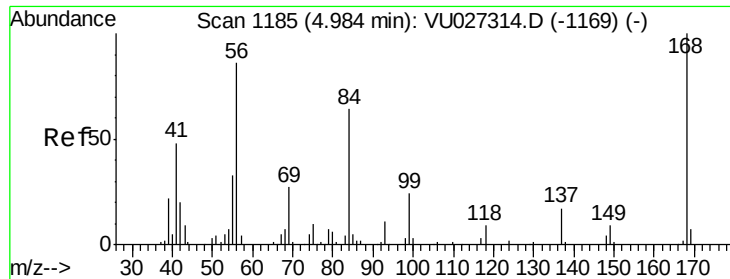
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	108277	53.682	ug/l	99
94) Hexachlorobutadiene	13.69	225	51694	50.726	ug/l	98
95) Naphthalene	13.74	128	379894	50.145	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	112725	53.644	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 125717

Ion Ratio Lower Upper

168 100

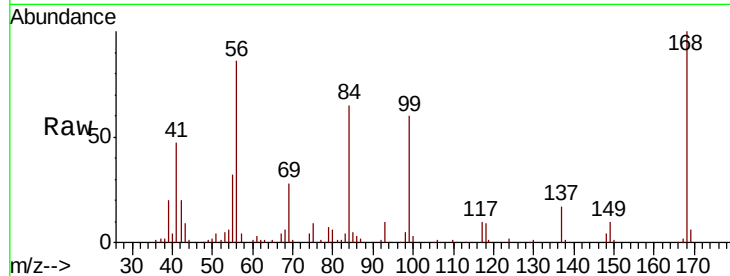
99 59.2 50.8 76.2

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Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

60000

50000

40000

30000

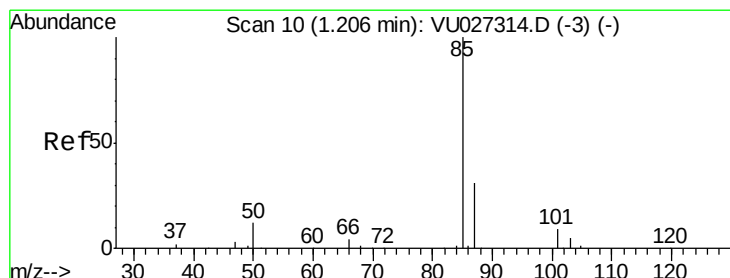
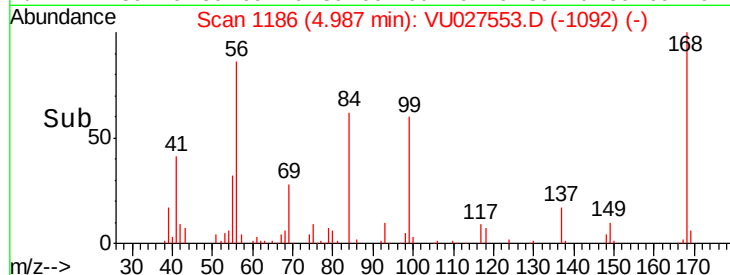
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.935 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027553.D

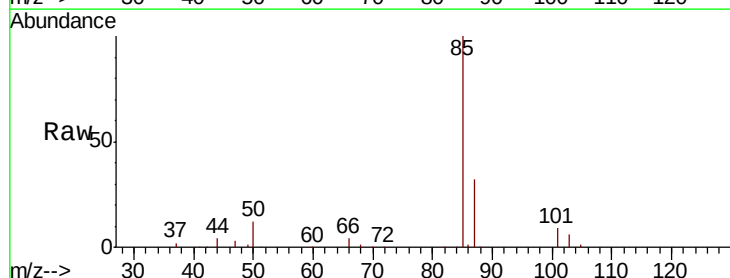
Acq: 10 Oct 2018 03:45

Tgt Ion: 85 Resp: 85068

Ion Ratio Lower Upper

85 100

87 32.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027314.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027314.D (-3) (-)

1.21

100000

80000

60000

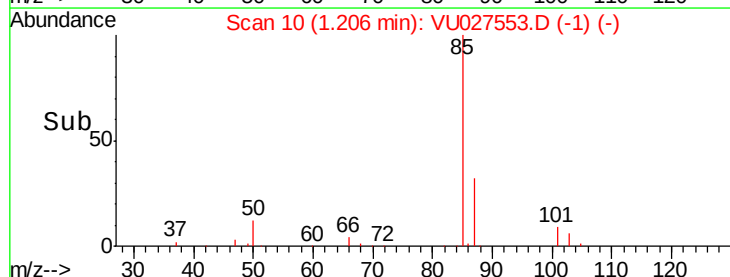
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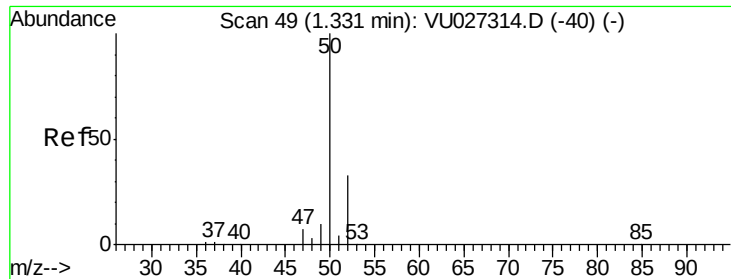
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1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 43.412 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 106525

Ion Ratio Lower Upper

50 100

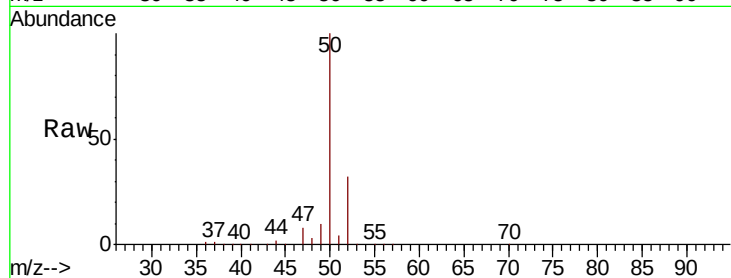
52 31.9 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VU027314.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU027553.D (-1) (-)

1.33

100000

80000

60000

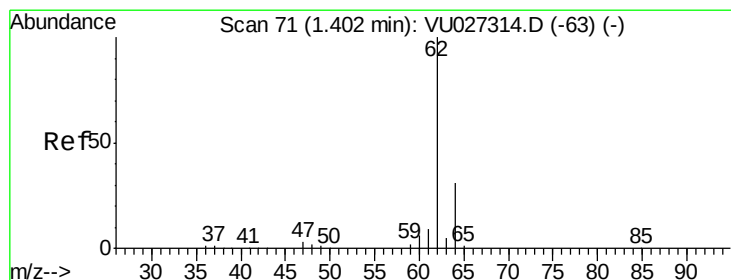
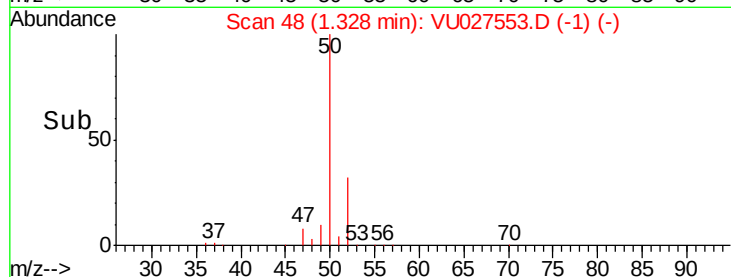
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 46.532 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027553.D

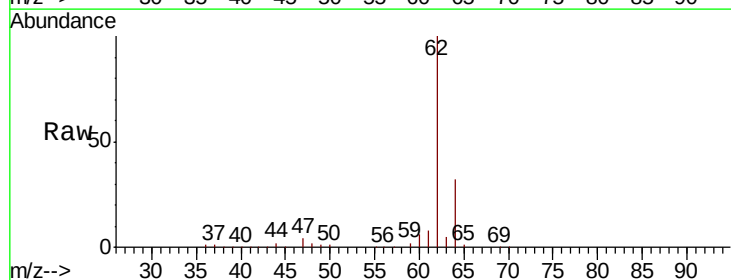
Acq: 10 Oct 2018 03:45

Tgt Ion: 62 Resp: 107335

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VU027314.D (-63) (-)

Ion 63.90 (63.60 to 64.60): VU027553.D (-1) (-)

1.40

120000

100000

80000

60000

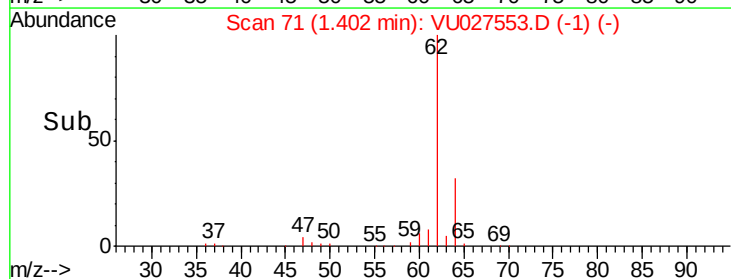
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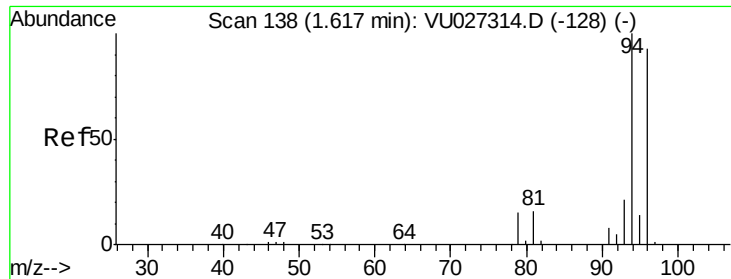
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1.35 1.40 1.45 1.50

Time-->





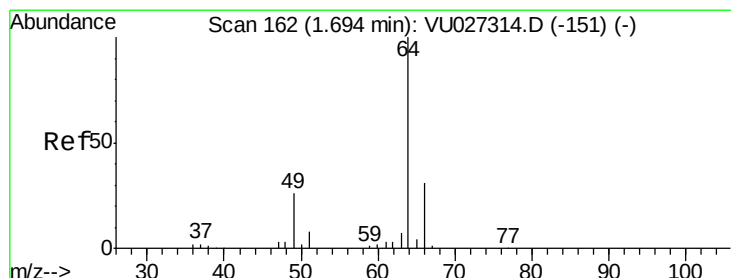
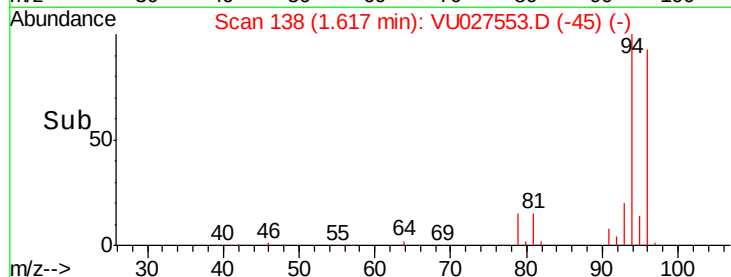
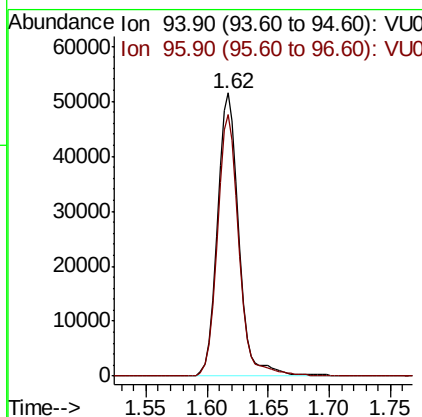
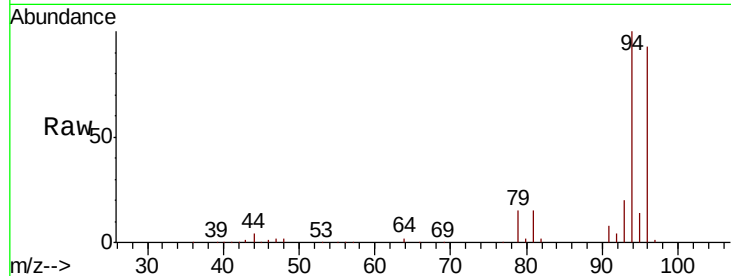
#5
Bromomethane
Concen: 64.238 ug/l
RT: 1.62 min Scan# 138
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
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Tot Ion: 94 Resp: 64116
Ion Ratio Lower Upper
94 100
96 92.6 74.6 111.8

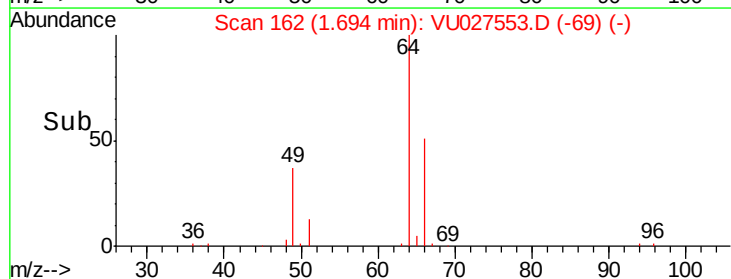
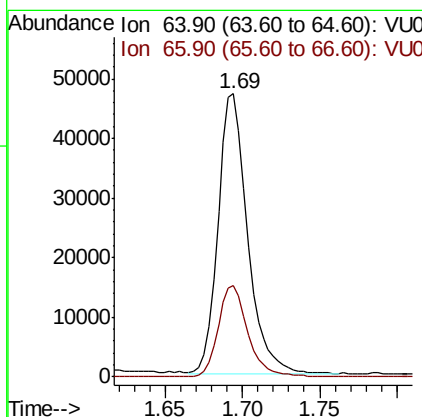
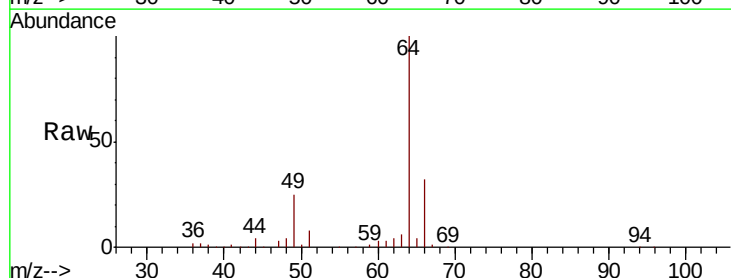
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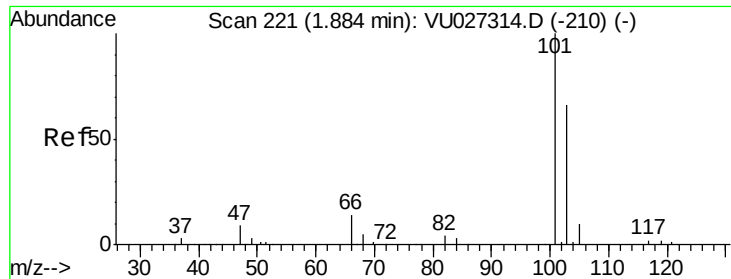
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#6
Chloroethane
Concen: 44.612 ug/l
RT: 1.69 min Scan# 162
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion: 64 Resp: 61836
Ion Ratio Lower Upper
64 100
66 32.5 24.6 36.8





#7

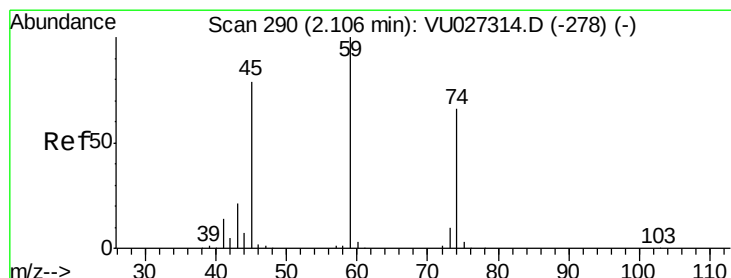
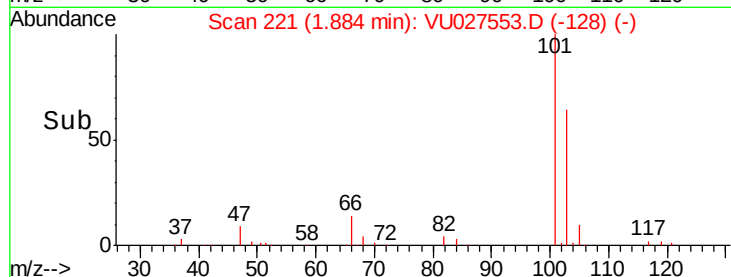
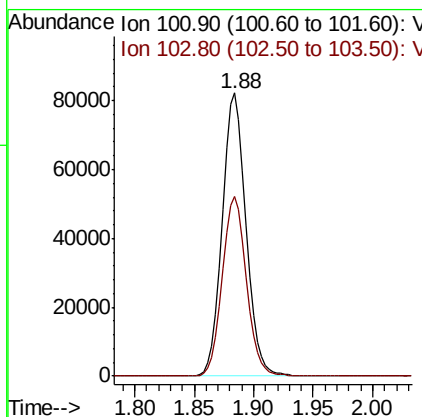
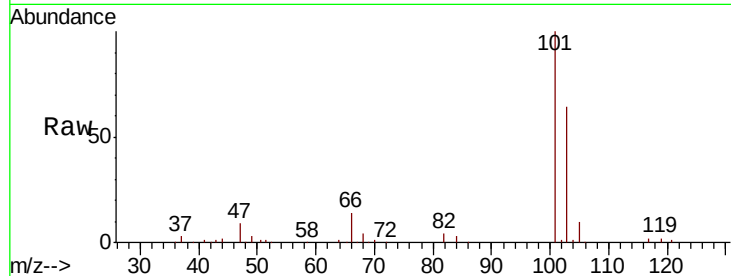
Trichlorofluoromethane
Concen: 48.727 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 114043
Ion Ratio Lower Upper
101 100
103 63.5 52.6 78.8

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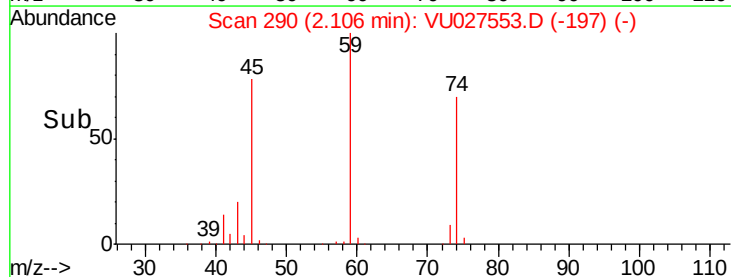
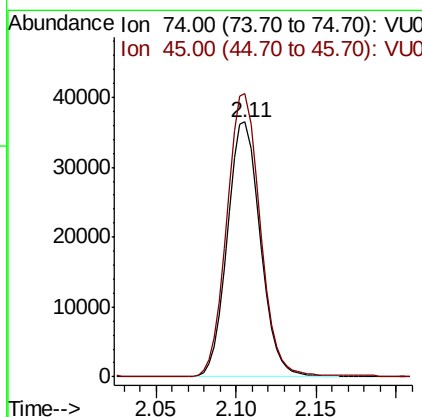
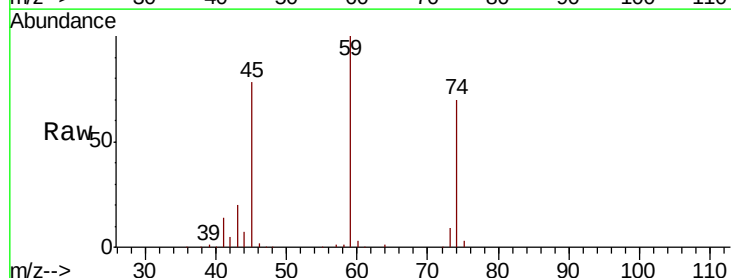
MMDadoda
10/11/2018 9:01:44 AM

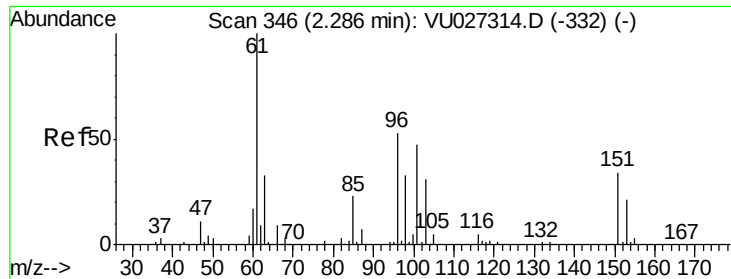


#8

Diethyl Ether
Concen: 47.345 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion: 74 Resp: 51044
Ion Ratio Lower Upper
74 100
45 112.8 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.087 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

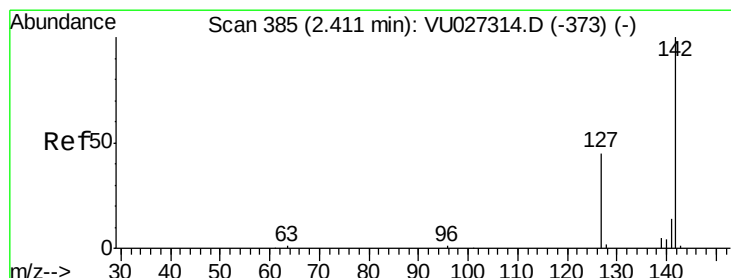
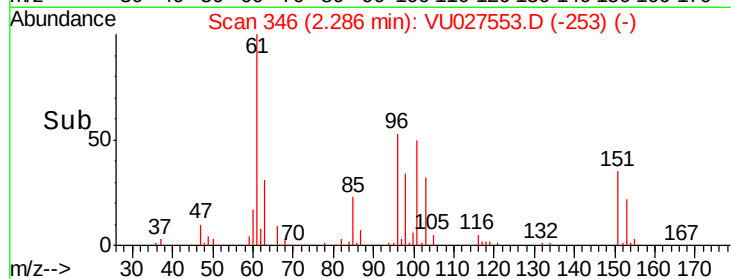
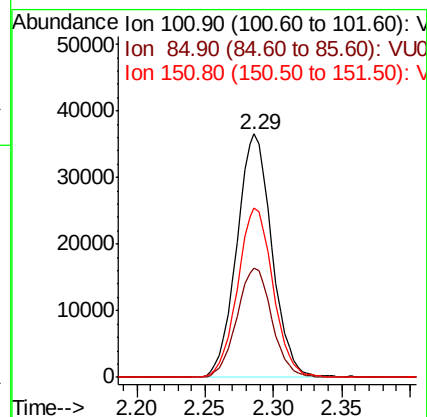
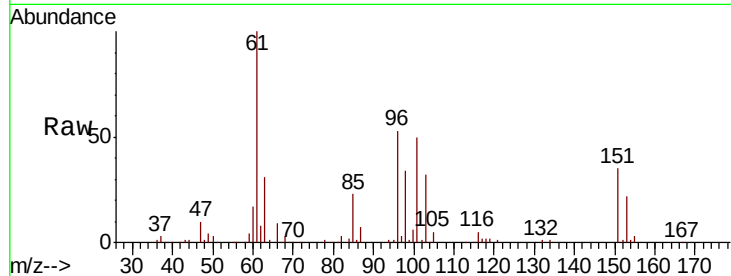
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	65360
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.5	56.3
151	70.2	55.6	83.4

Manual Integrations
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10/11/2018 9:01:44 AM



#10

Methyl Iodide

Concen: 48.628 ug/l

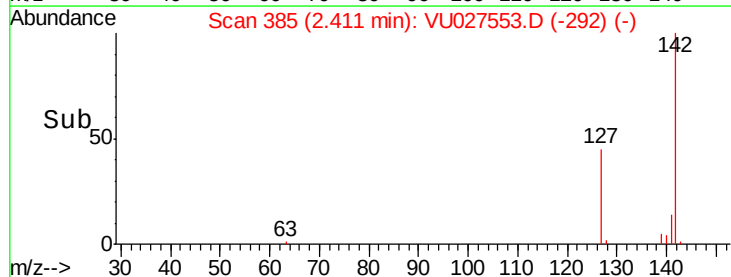
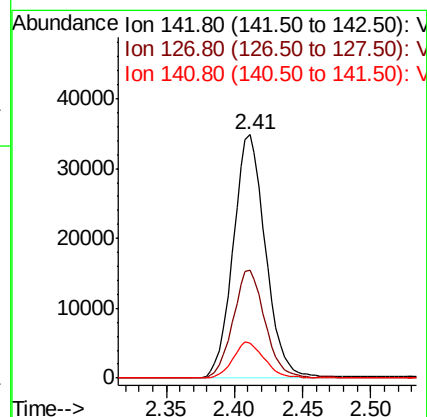
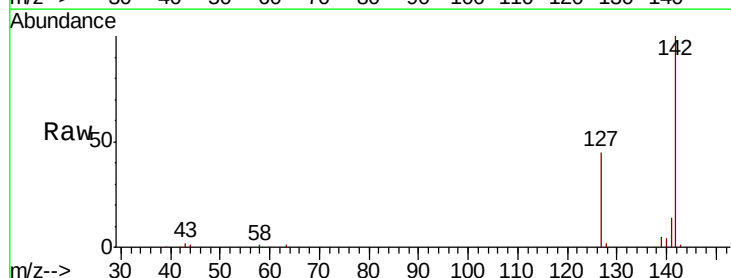
RT: 2.41 min Scan# 385

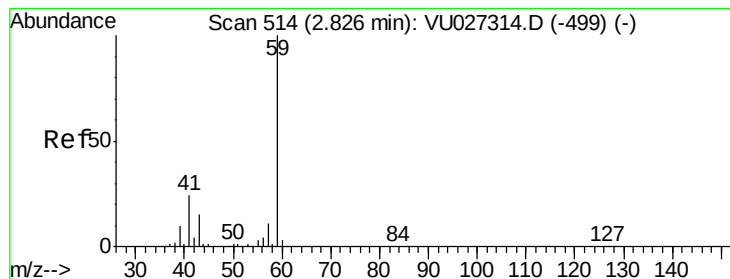
Delta R.T. 0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion:	142	Resp:	57512
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.3	54.5
141	14.5	11.6	17.4





#11

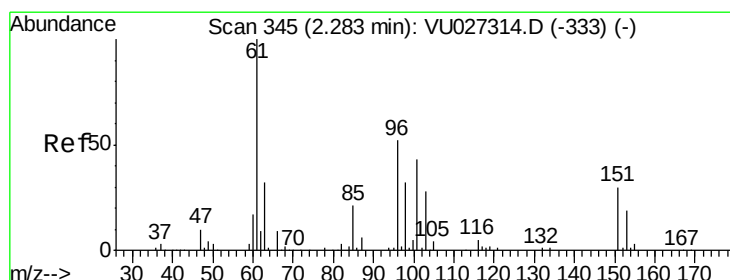
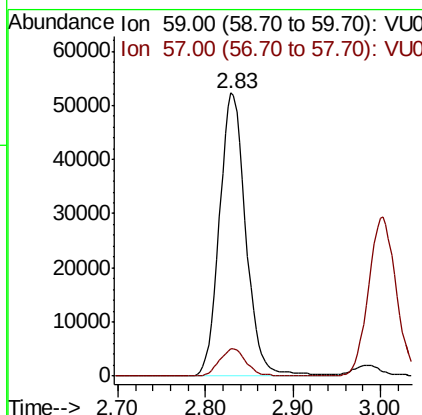
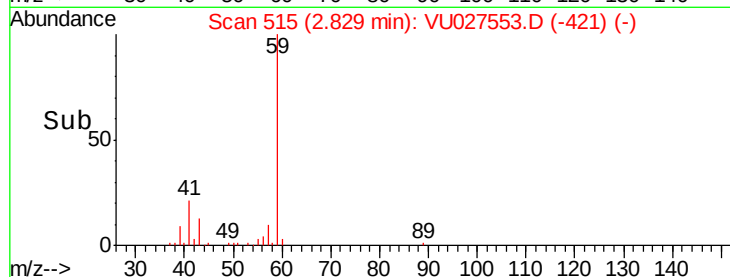
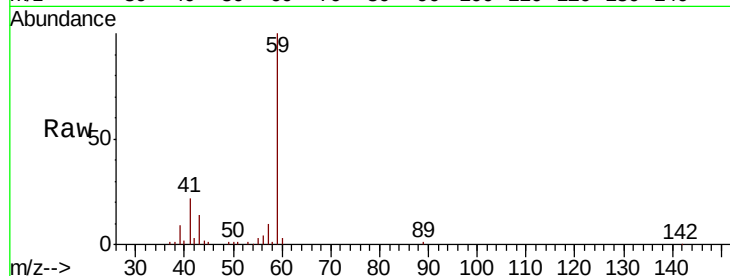
Tert butyl alcohol
Concen: 248.443 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.4	12.6

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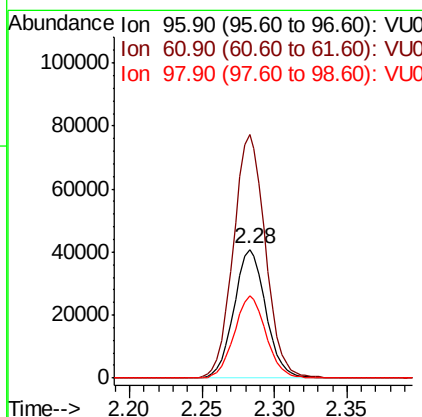
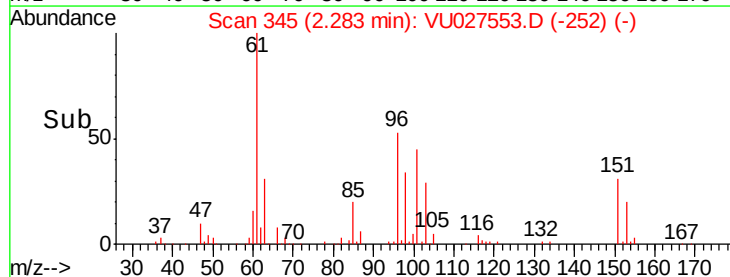
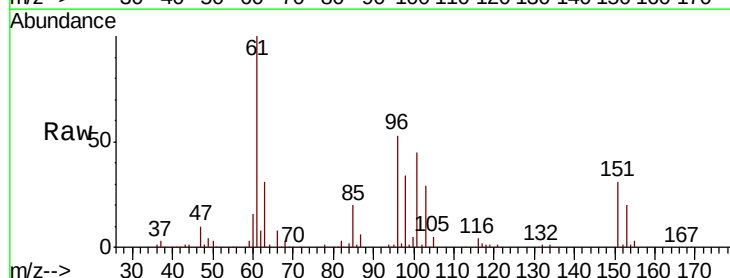
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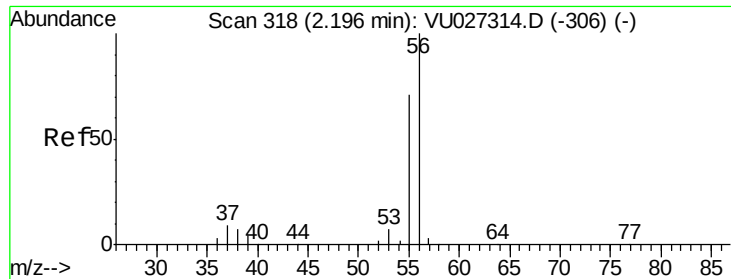


#12

1,1-Dichloroethene
Concen: 46.845 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.5	153.0	229.6
98	63.7	49.3	73.9





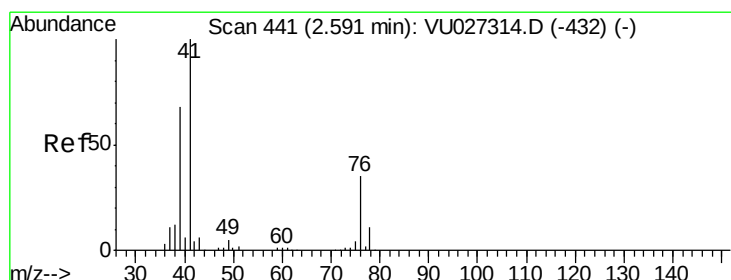
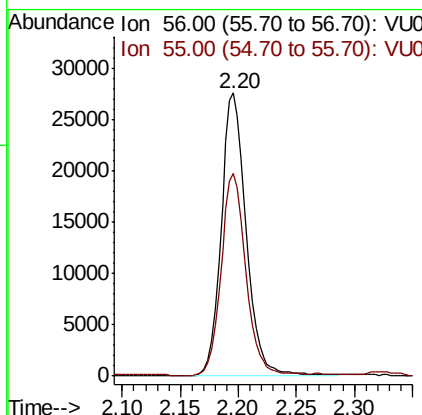
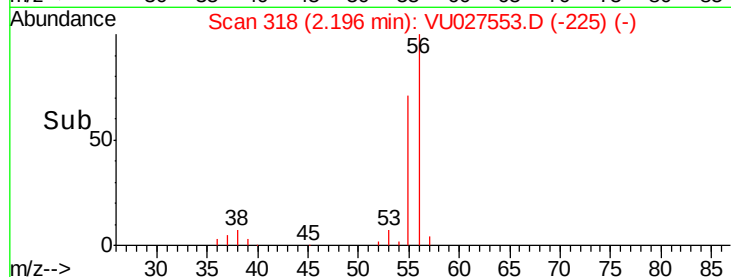
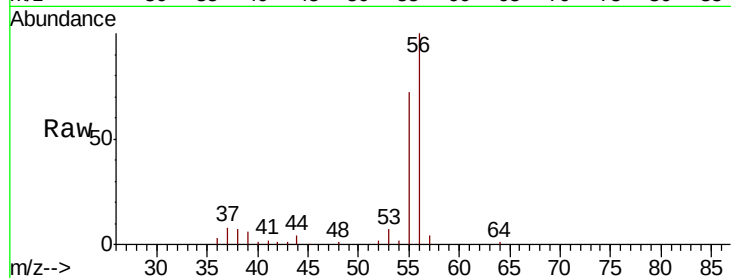
#13
Acrolein
Concen: 112.411 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 41698
Ion Ratio Lower Upper
56 100
55 71.4 57.7 86.5

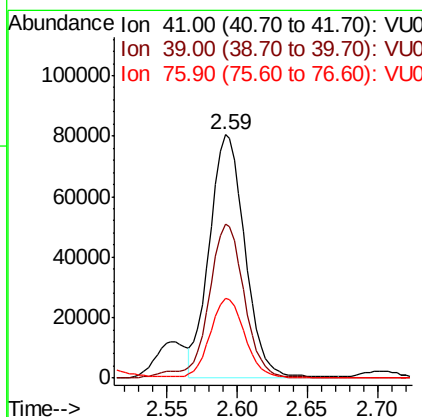
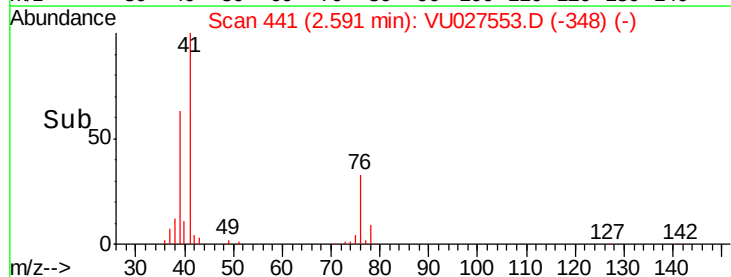
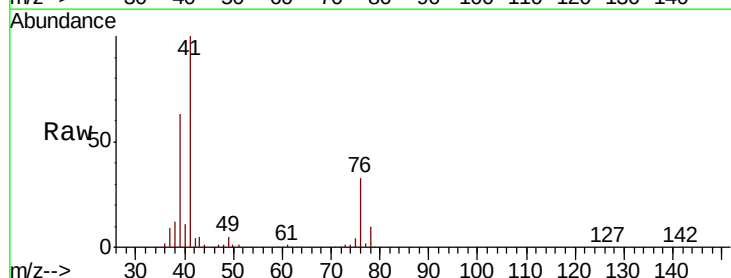
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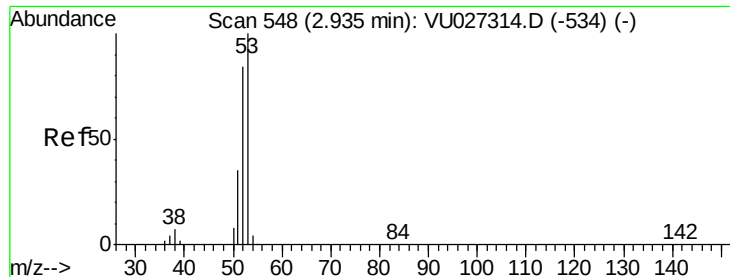
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#14
Allyl chloride
Concen: 44.545 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion: 41 Resp: 140470
Ion Ratio Lower Upper
41 100
39 64.0 51.8 77.8
76 32.2 25.9 38.9





#15

Acrylonitrile

Concen: 254.365 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

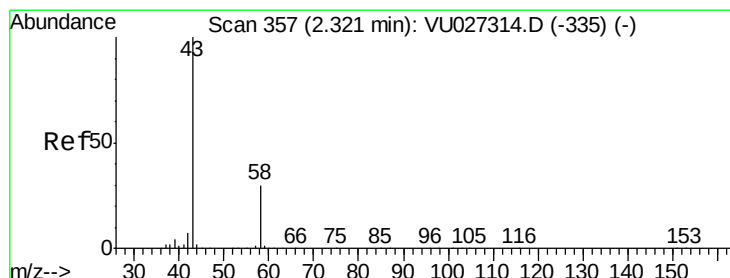
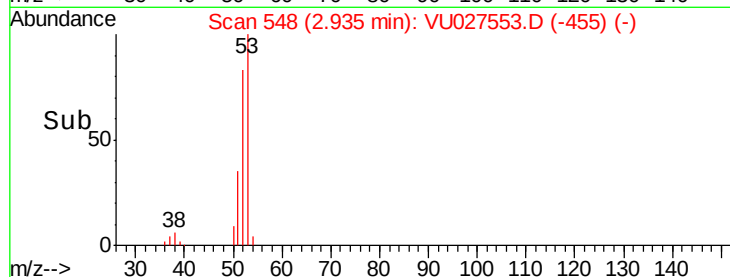
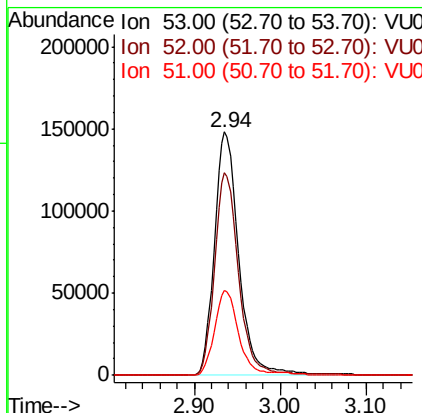
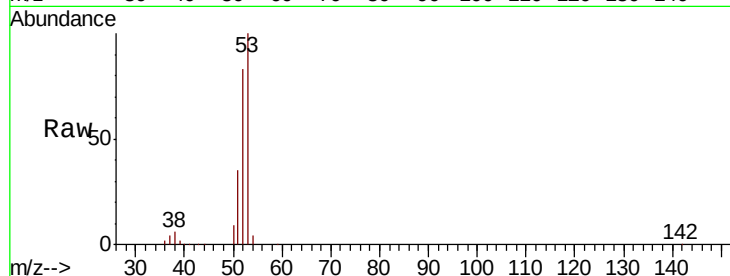
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	292669
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.5	99.7
51	35.4	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 194.270 ug/l

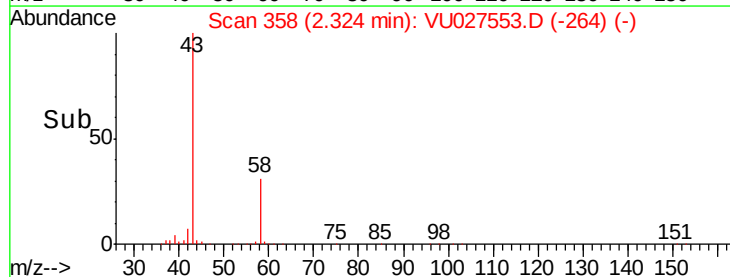
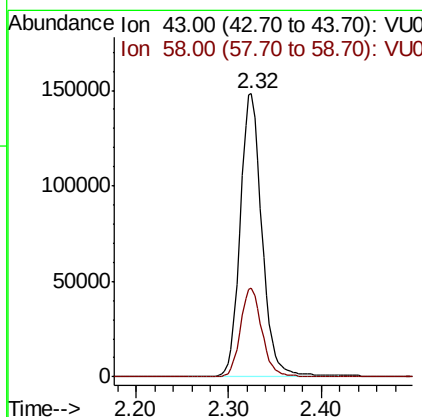
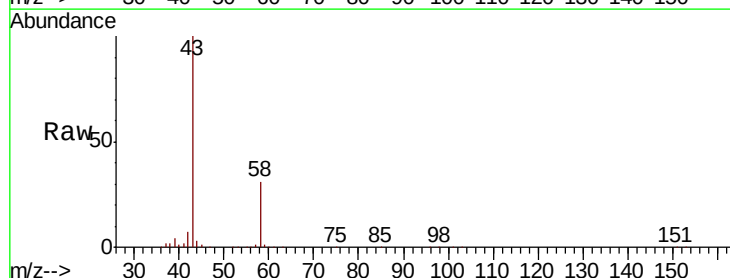
RT: 2.32 min Scan# 358

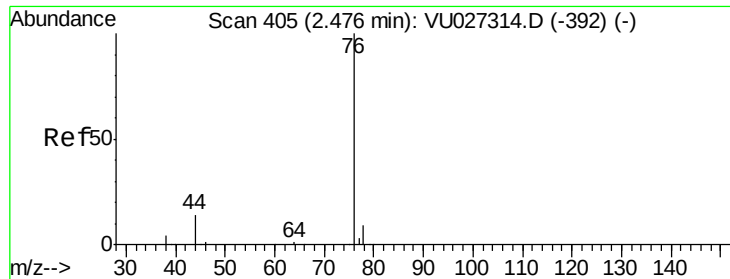
Delta R.T. 0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion:	43	Resp:	240926
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.2	36.4





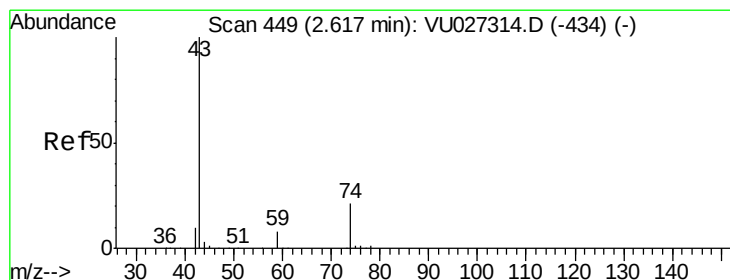
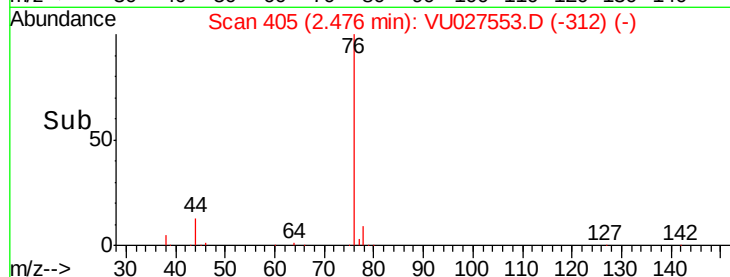
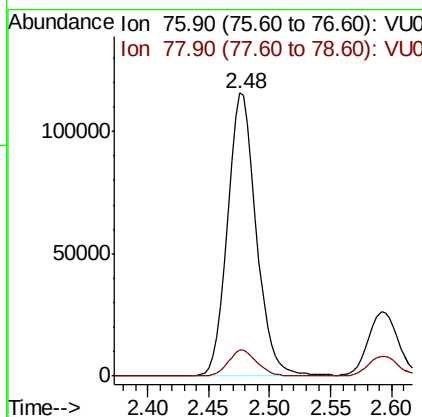
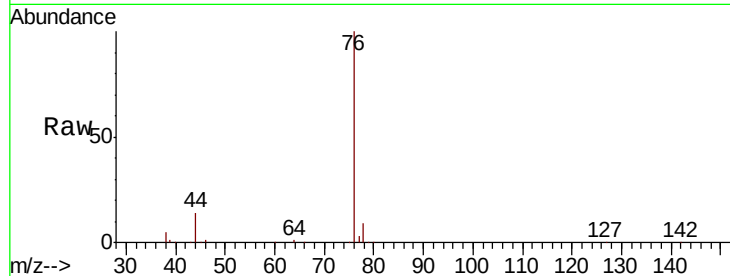
#17
Carbon Disulfide
Concen: 39.927 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

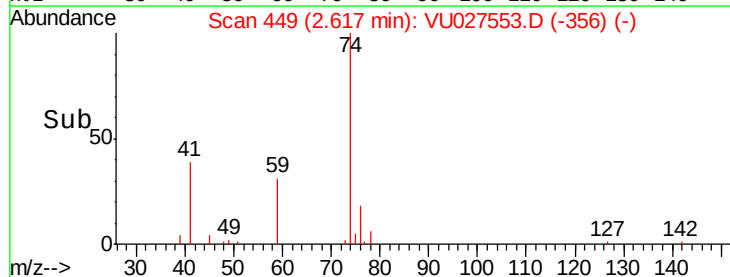
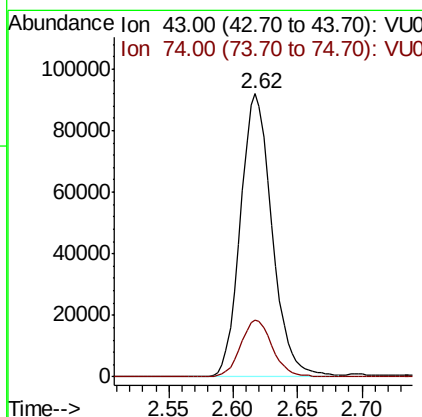
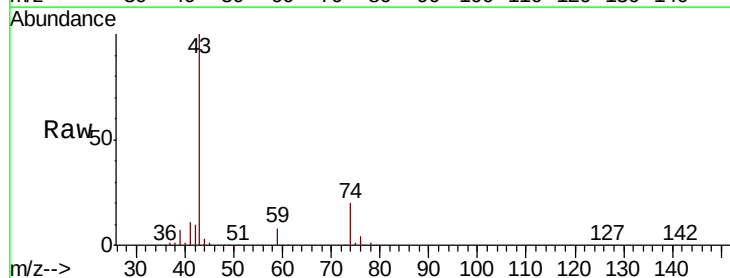
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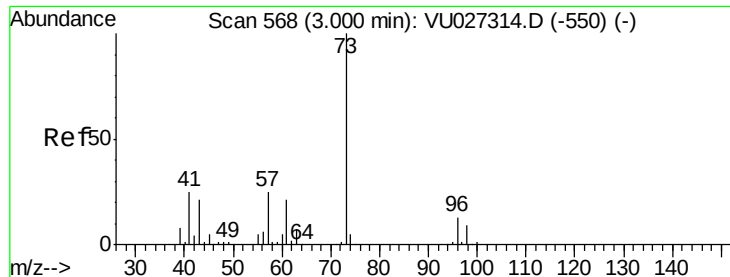
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#18
Methyl Acetate
Concen: 55.293 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	16.5	24.7





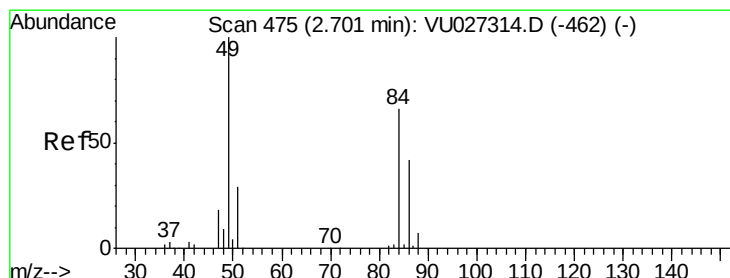
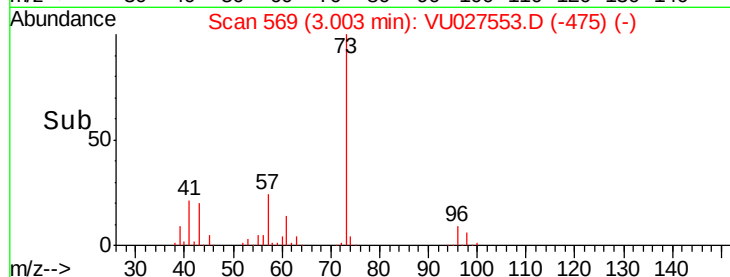
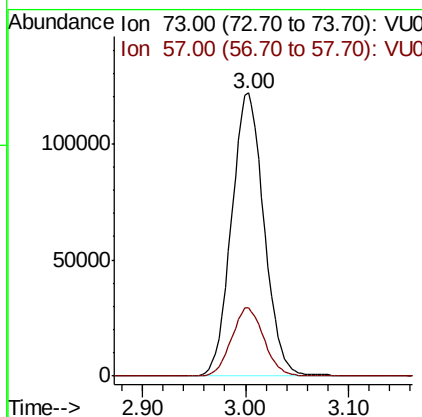
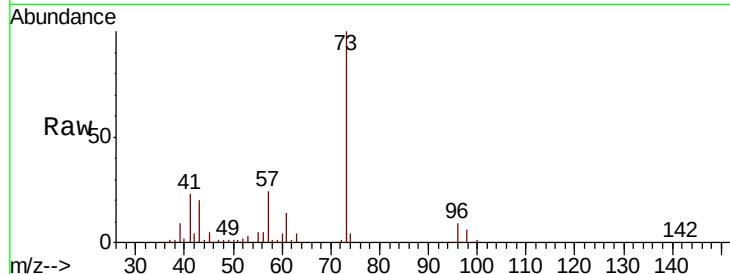
#19
Methyl tert-butyl Ether
Concen: 50.248 ug/l
RT: 3.00 min Scan# 569
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.0	30.0

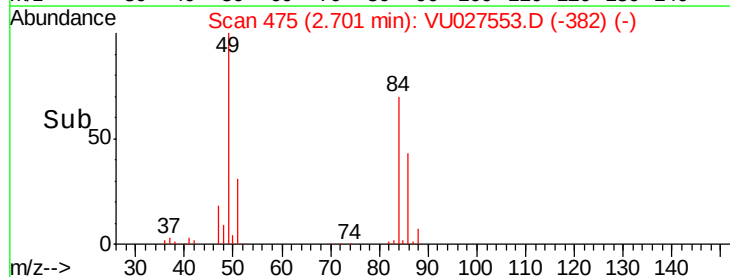
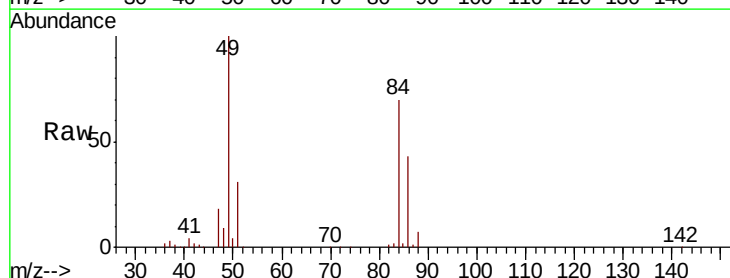
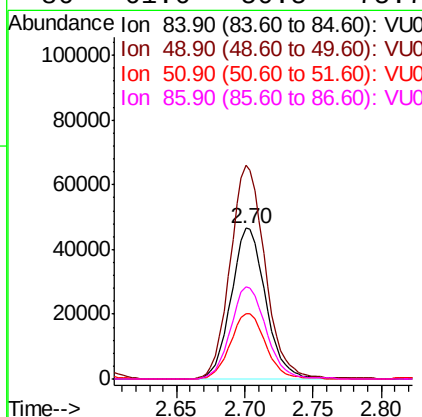
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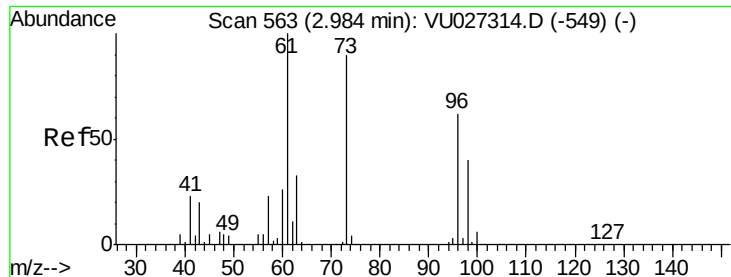
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#20
Methylene Chloride
Concen: 47.476 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.0	120.5	180.7
51	43.5	35.1	52.7
86	61.6	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 46.984 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 70048

Ion Ratio Lower Upper

96 100

61 160.4 129.4 194.2

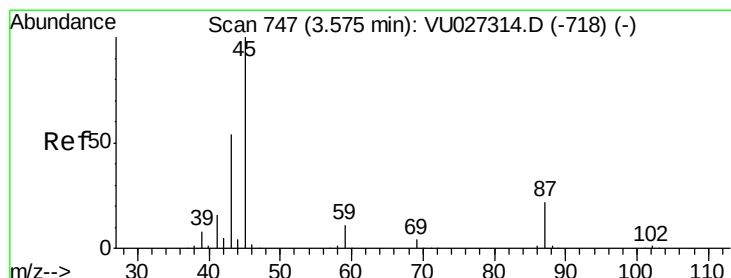
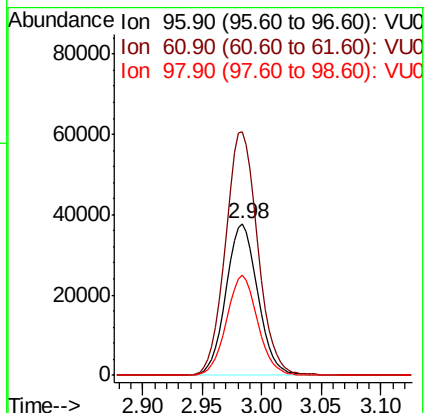
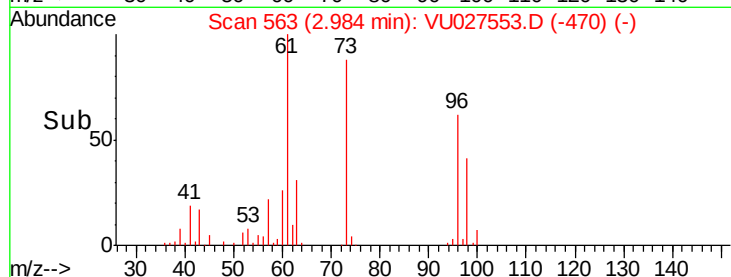
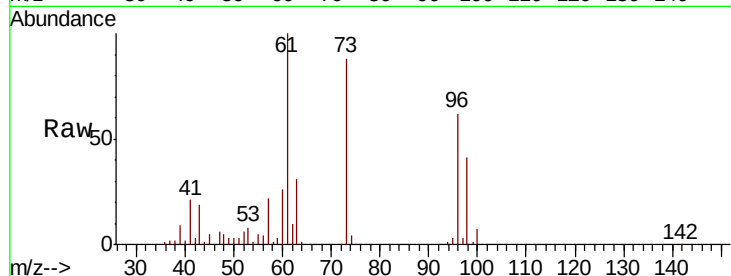
98 65.9 51.2 76.8

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#22

Diisopropyl ether

Concen: 49.291 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion: 45 Resp: 315923

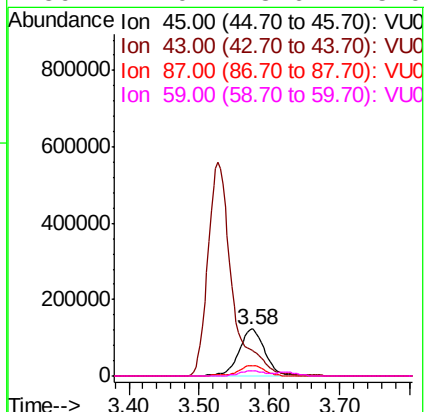
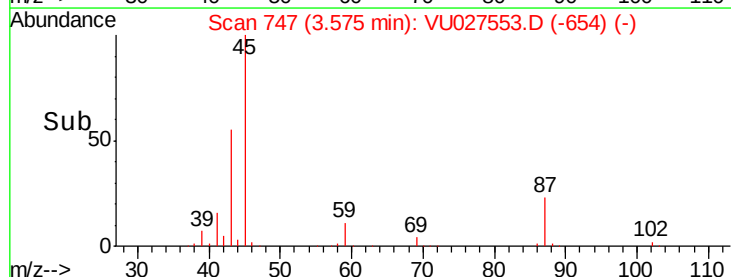
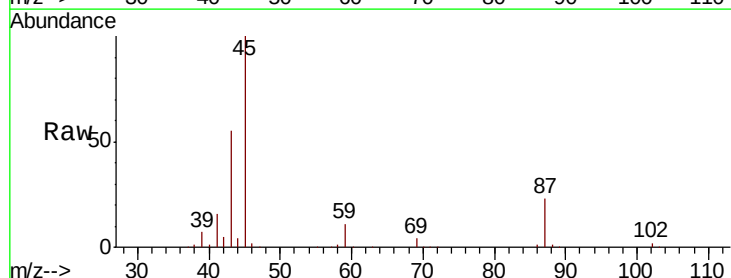
Ion Ratio Lower Upper

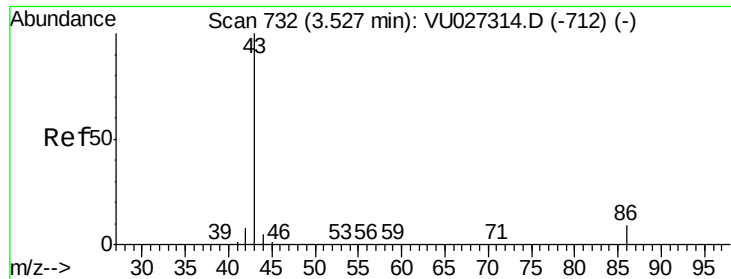
45 100

43 54.0 43.4 65.2

87 22.6 17.5 26.3

59 11.0 8.6 13.0





#23

Vinyl Acetate

Concen: 239.008 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tot Ion: 43 Resp: 1337813

Ion Ratio Lower Upper

43 100

86 9.0 7.0 10.4

Instrument :

MSVOA_U

ClientSampleId :

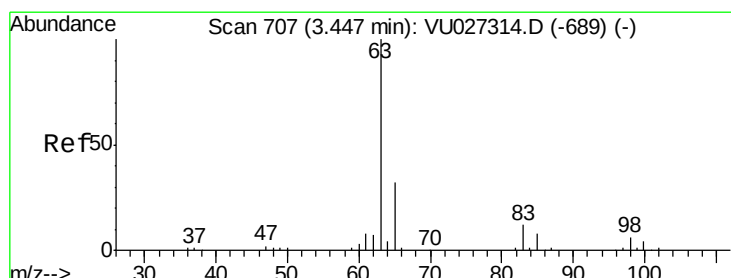
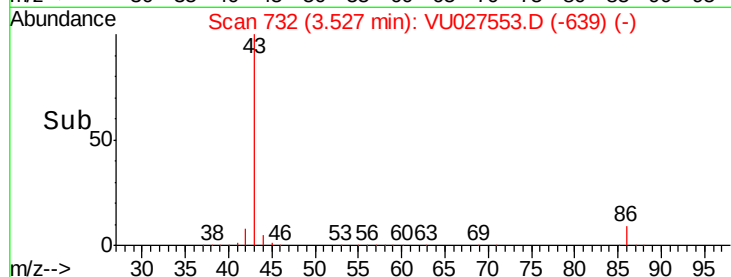
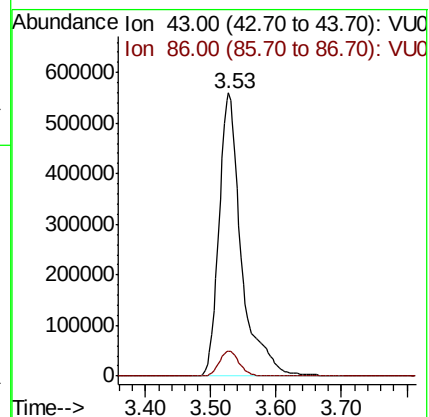
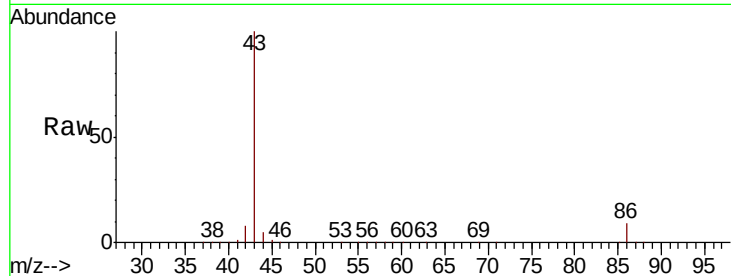
VSTDCCC050EC

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#24

1,1-Dichloroethane

Concen: 48.673 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

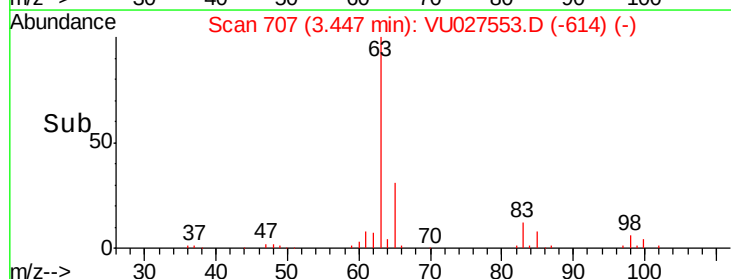
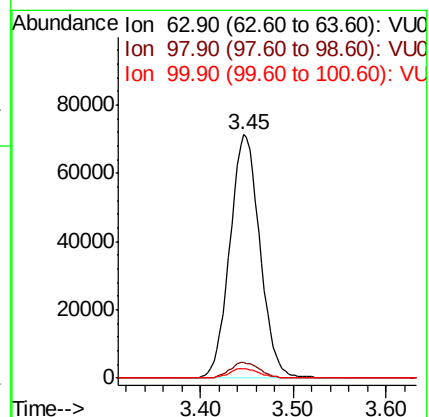
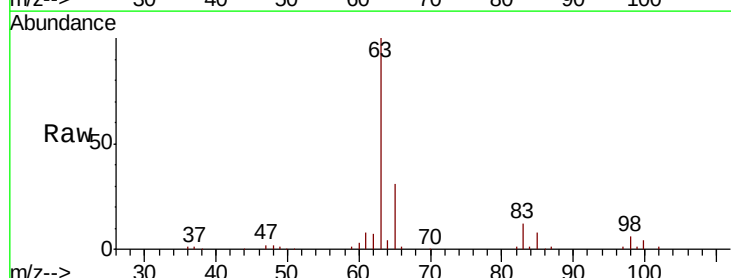
Tgt Ion: 63 Resp: 160375

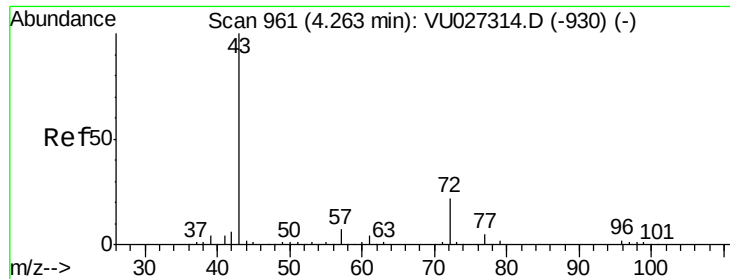
Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 242.546 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 410182

Ion Ratio Lower Upper

43 100

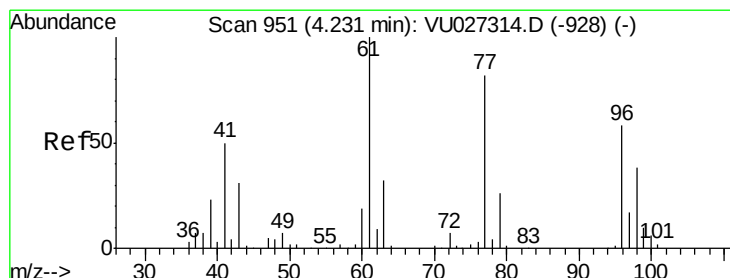
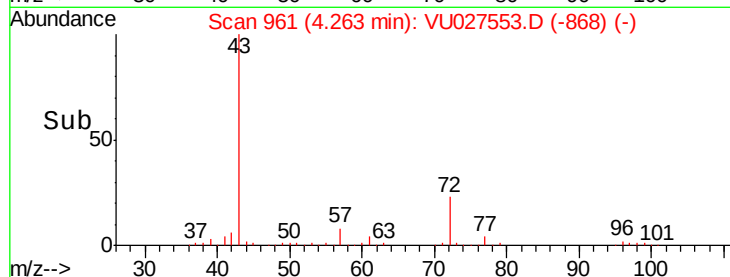
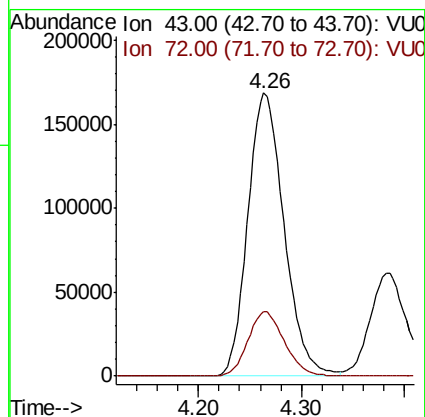
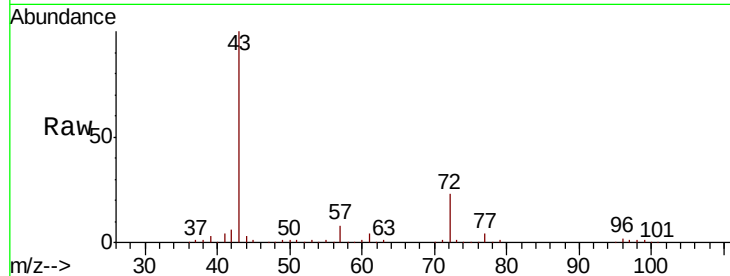
72 22.7 17.8 26.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 35.061 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027553.D

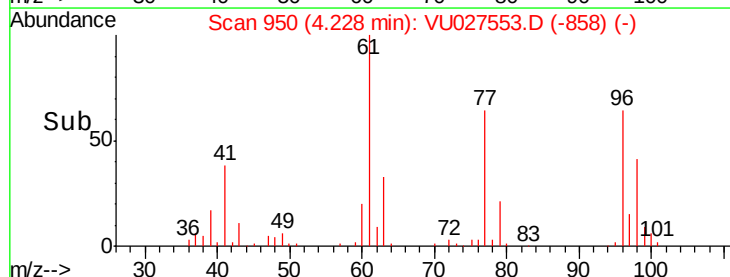
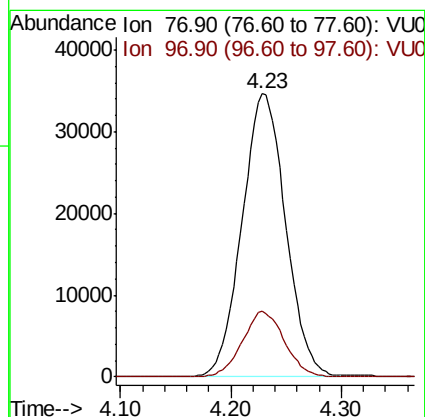
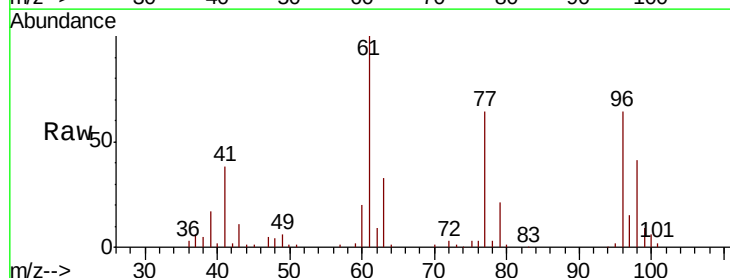
Acq: 10 Oct 2018 03:45

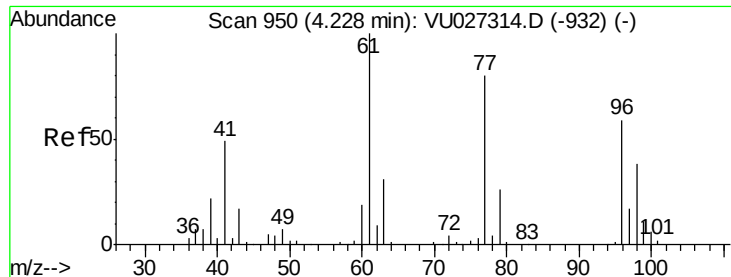
Tgt Ion: 77 Resp: 94925

Ion Ratio Lower Upper

77 100

97 22.1 10.4 31.1





#27

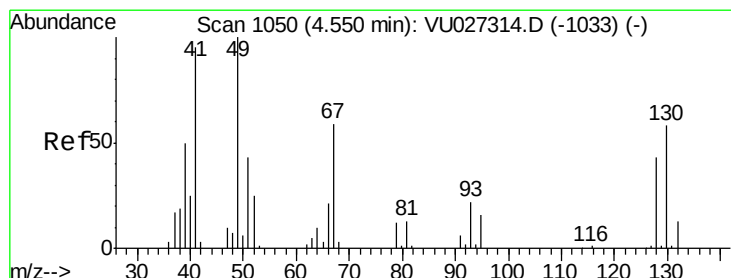
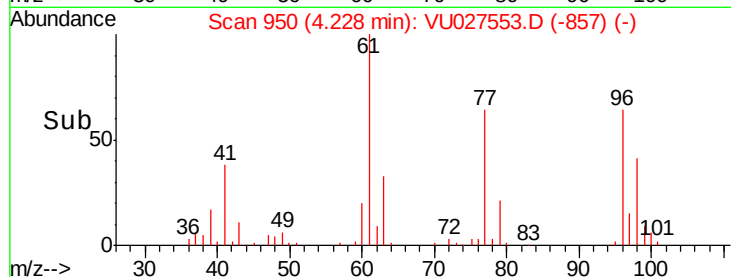
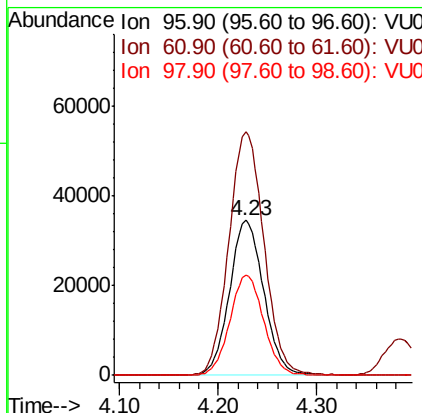
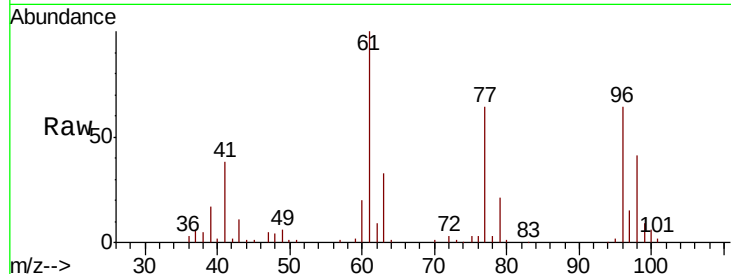
cis-1,2-Dichloroethene
Concen: 48.887 ug/l
RT: 4.23 min Scan# 950
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	343.8
98	64.4	0.0	129.0

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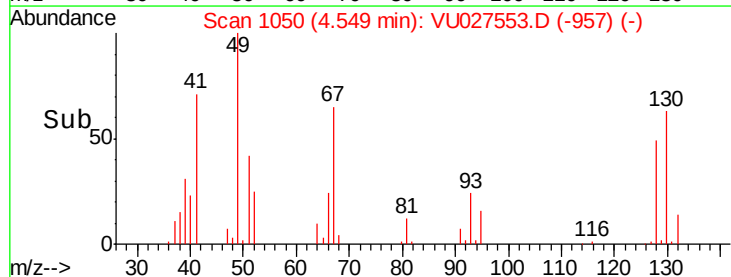
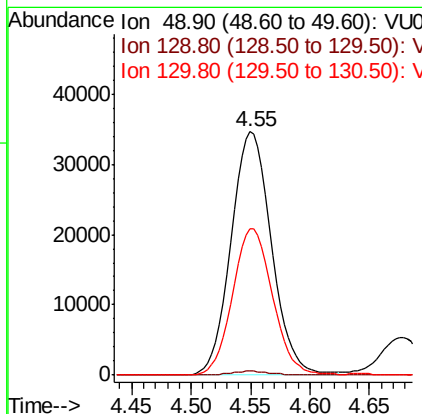
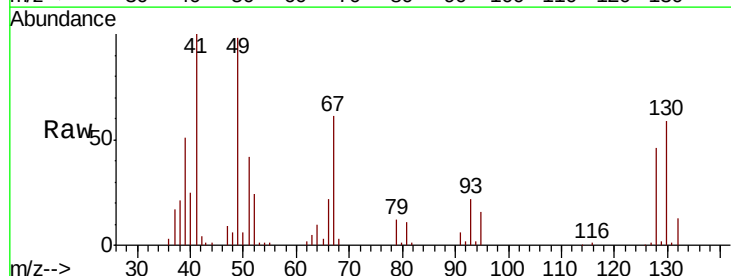
MMDadoda
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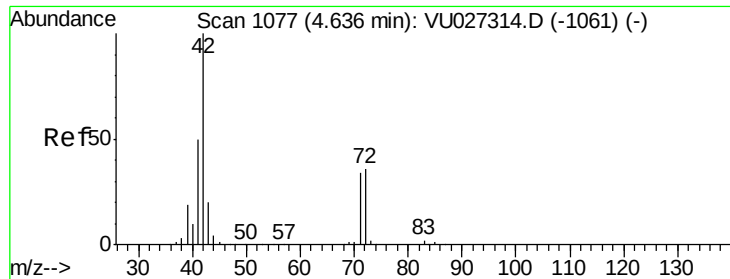


#28

Bromochloromethane
Concen: 51.376 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	59.6	46.1	69.1





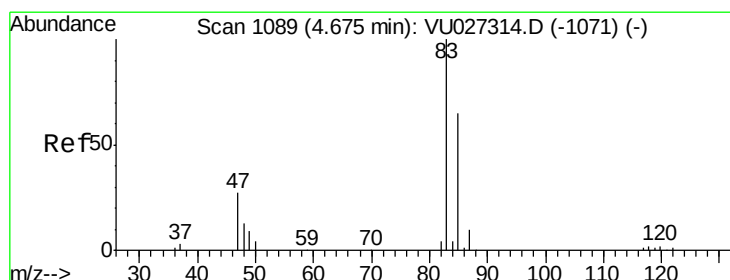
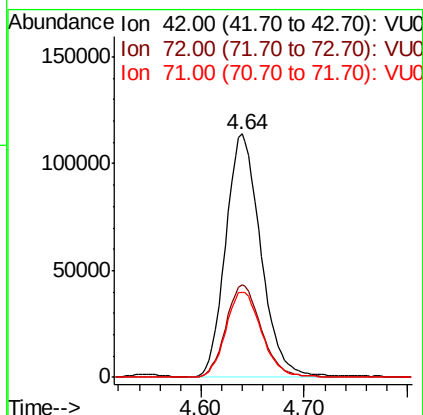
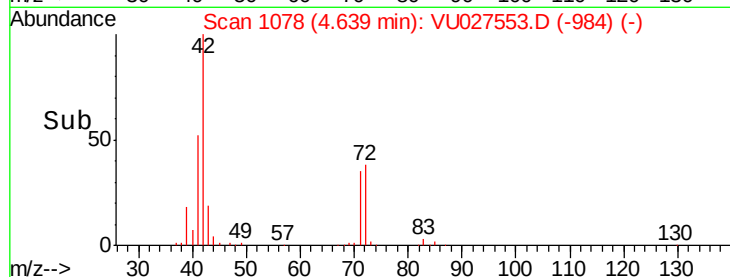
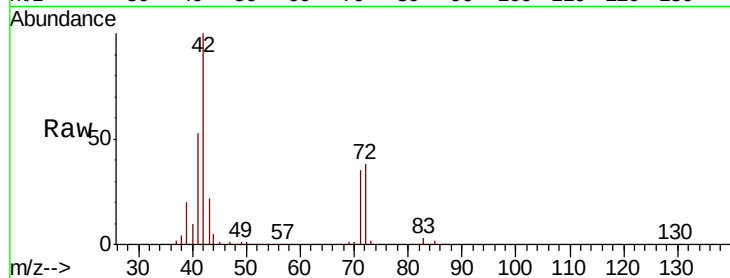
#29
Tetrahydrofuran
Concen: 251.898 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	30.1	45.1
71	36.0	27.7	41.5

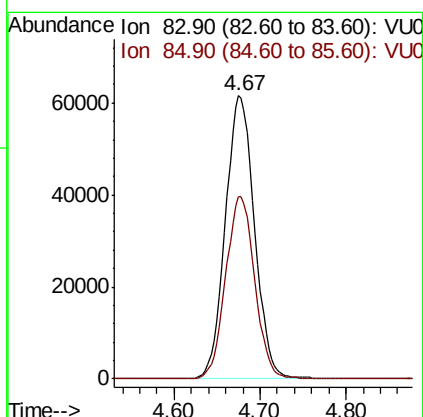
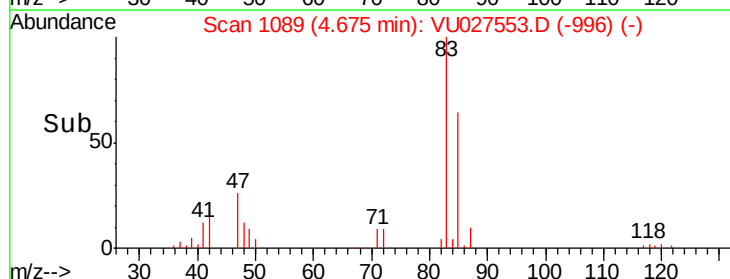
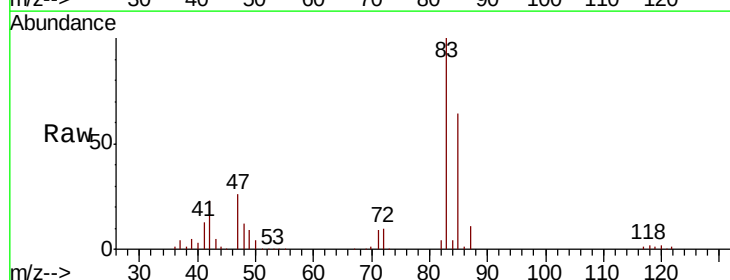
Manual Integrations
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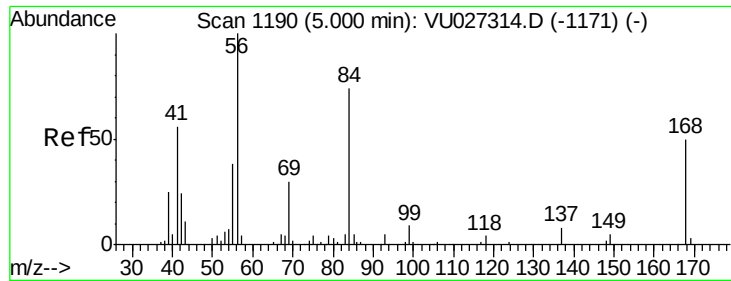
MMDadoda
10/11/2018 9:01:44 AM



#30
Chloroform
Concen: 49.554 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.6





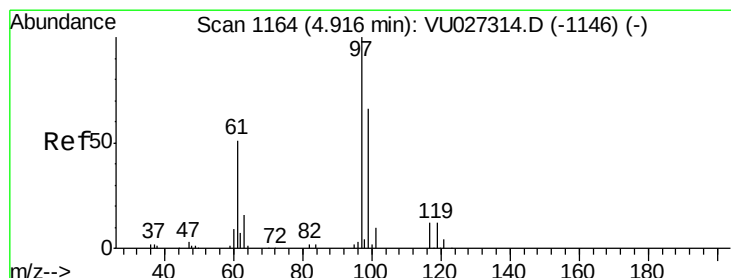
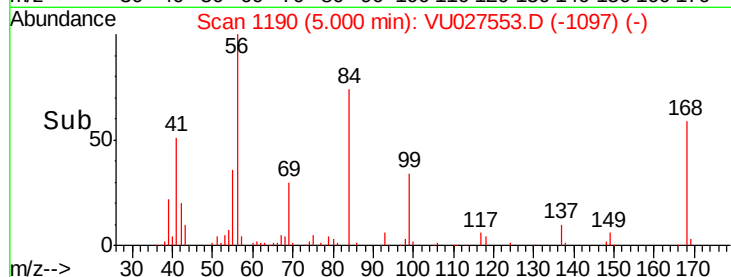
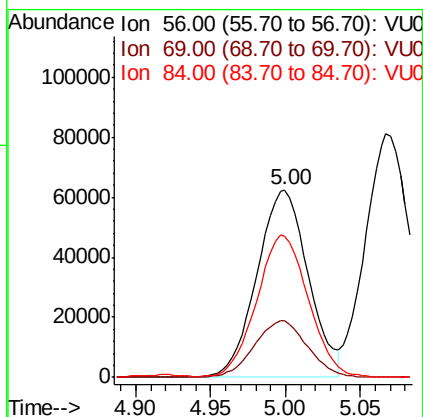
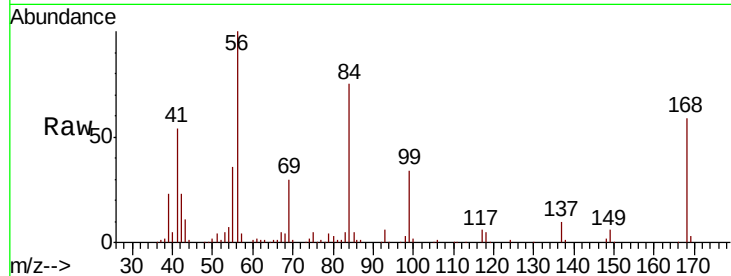
#31
Cyclohexane
Concen: 44.135 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.3	24.1	36.1
84	74.8	59.1	88.7

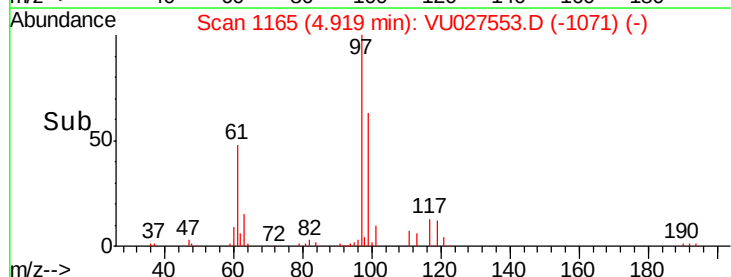
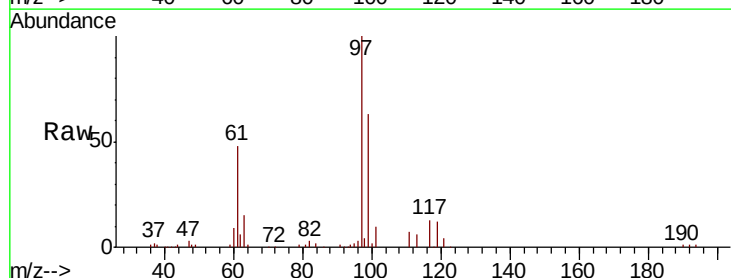
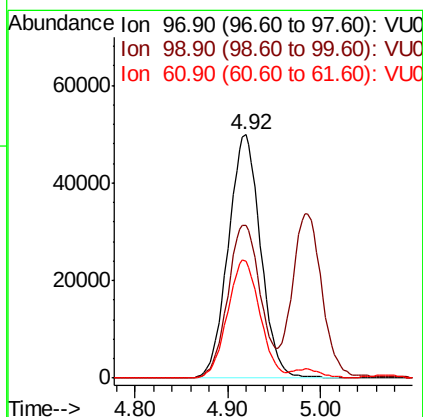
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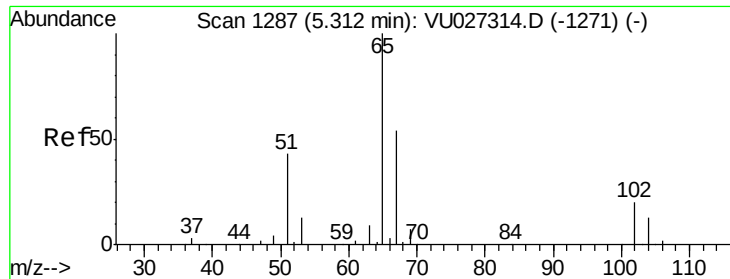
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#32
1,1,1-Trichloroethane
Concen: 48.913 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.1	76.7
61	48.7	39.6	59.4





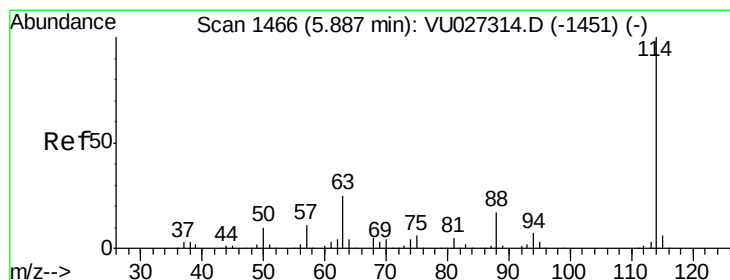
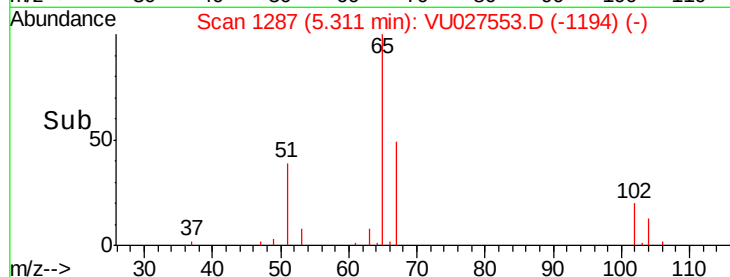
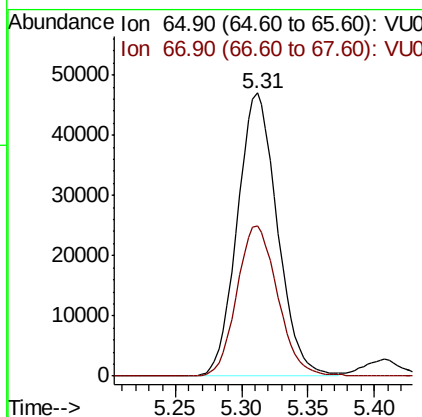
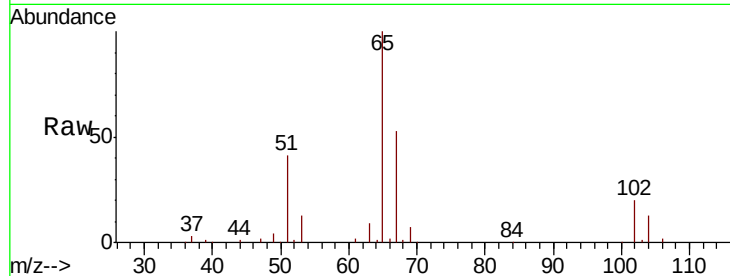
#33
 1,2-Dichloroethane-d4
 Concen: 47.008 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	107.8

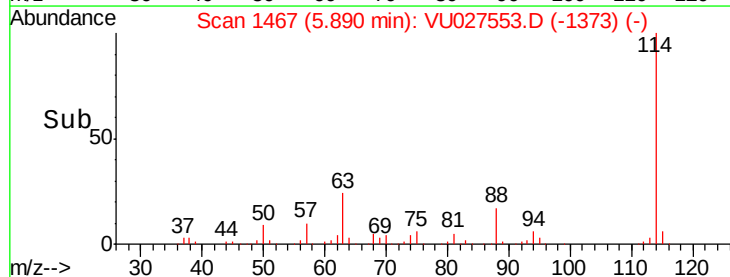
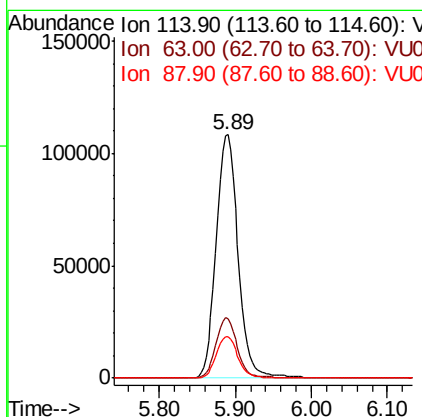
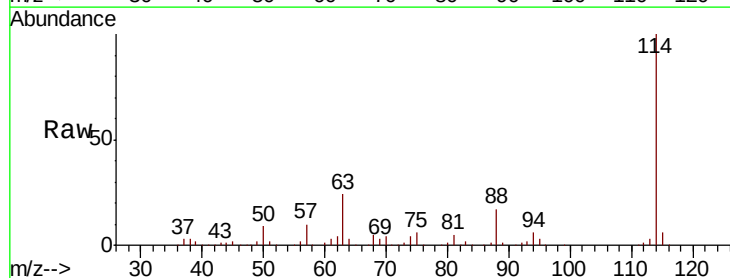
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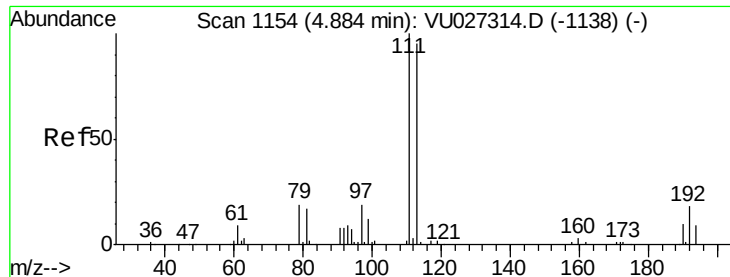
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 10/11/2018 9:01:44 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.2
88	17.0	0.0	33.8





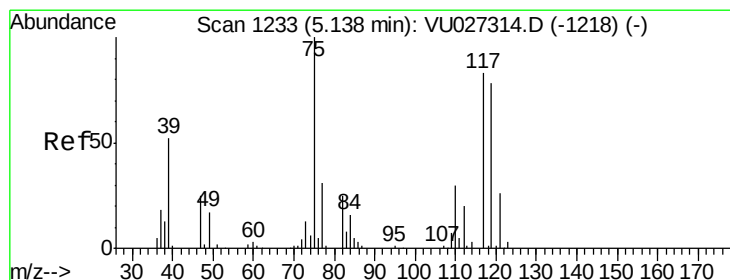
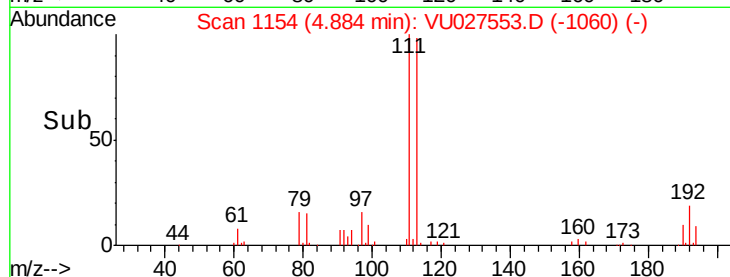
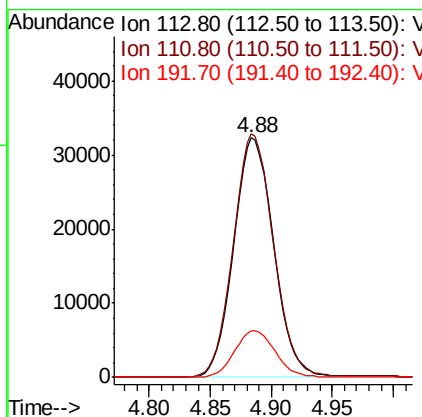
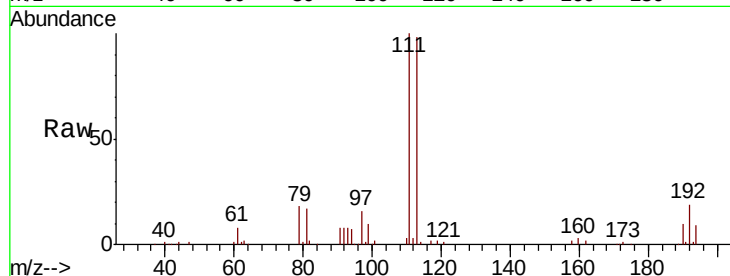
#35
 Dibromofluoromethane
 Concen: 49.265 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	83.1	124.7
192	19.6	15.4	23.0

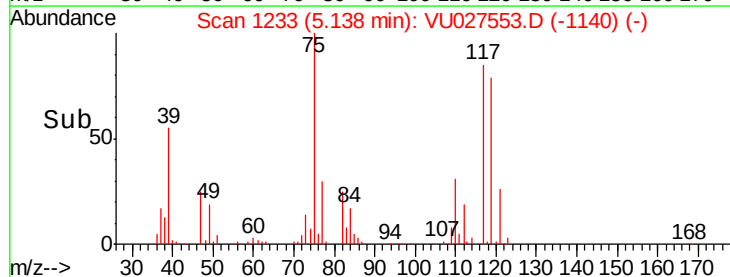
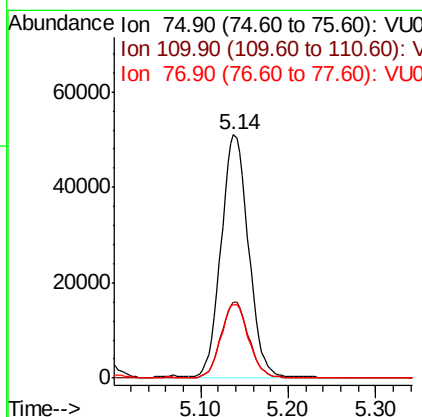
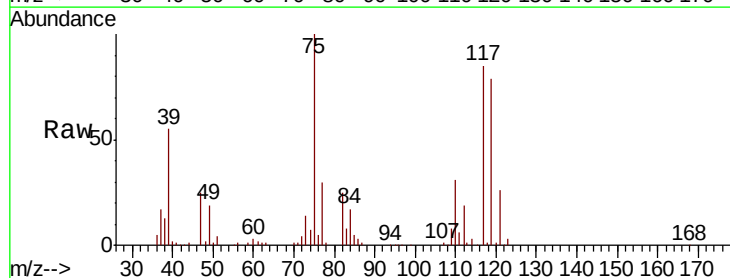
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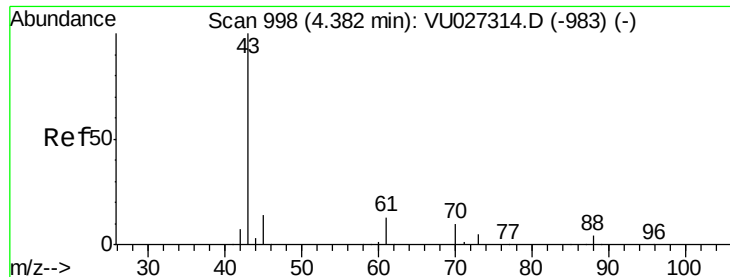
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 10/11/2018 9:01:44 AM



#36
 1,1-Dichloropropene
 Concen: 47.412 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.5	46.5
77	30.6	25.4	38.0





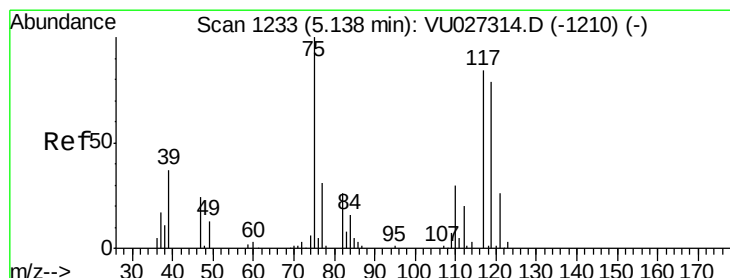
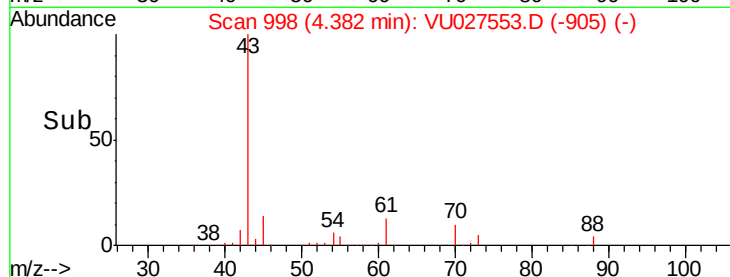
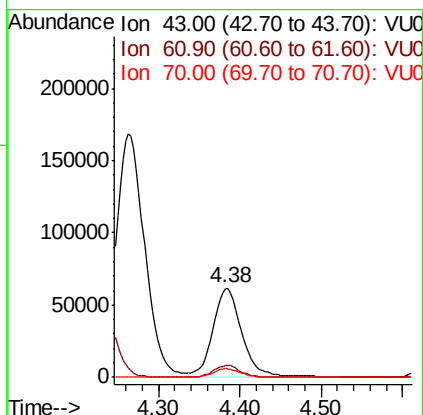
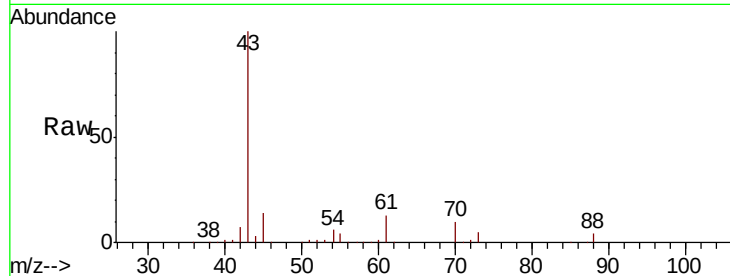
#37
Ethyl Acetate
Concen: 50.171 ug/l
RT: 4.38 min Scan# 998
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	153077
Ion Ratio	100	Lower	Upper
43	100		
61	12.2	10.7	16.1
70	9.1	7.4	11.2

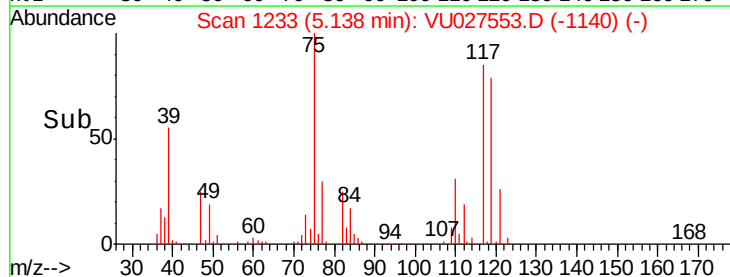
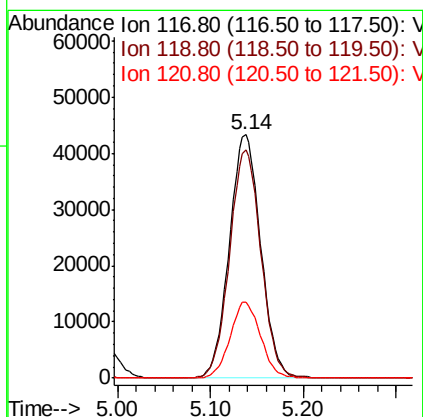
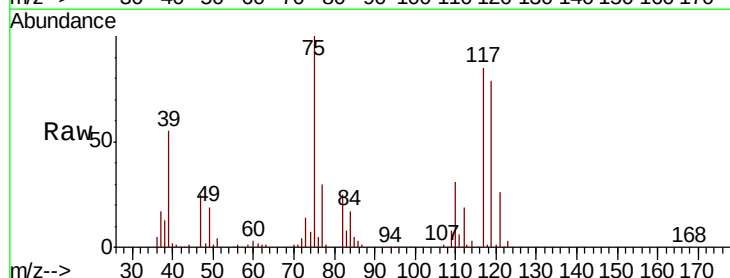
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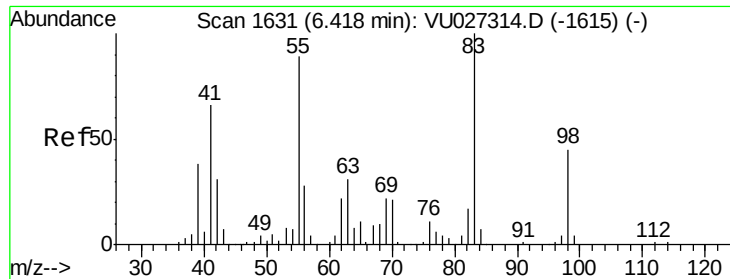
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#38
Carbon Tetrachloride
Concen: 47.609 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	117	Resp	101530
Ion Ratio	100	Lower	Upper
117	100		
119	93.5	74.5	111.7
121	31.2	24.6	37.0





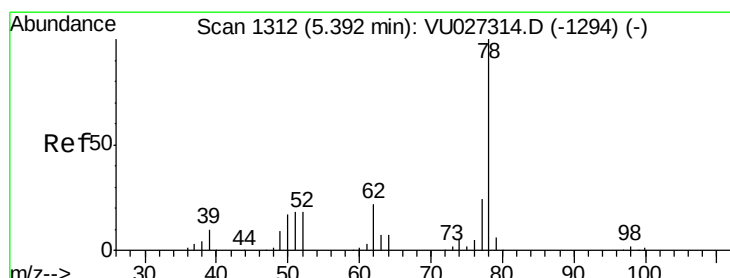
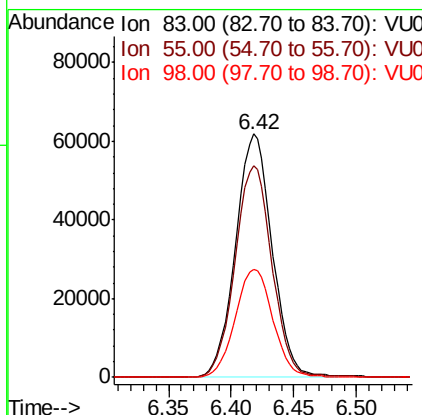
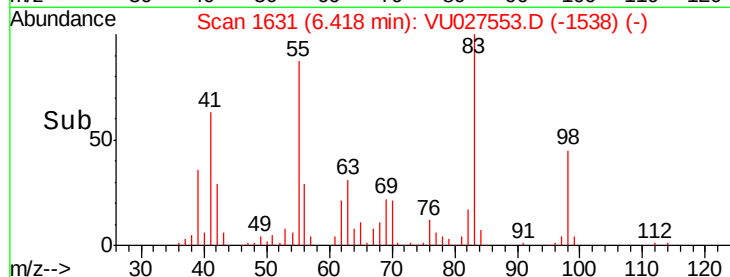
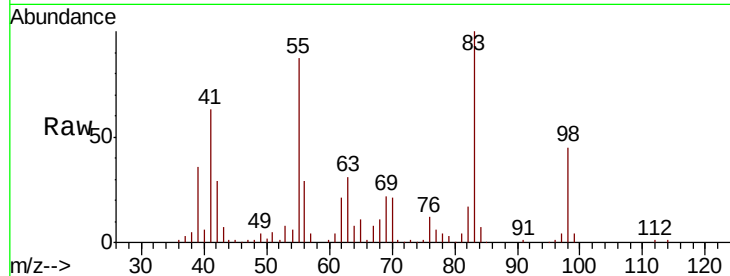
#39
Methylvlcyclohexane
Concen: 45.533 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.9	71.1	106.7
98	44.5	36.3	54.5

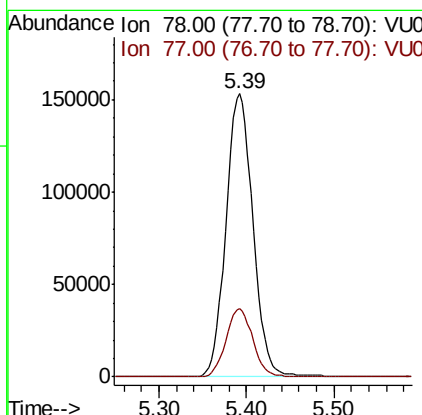
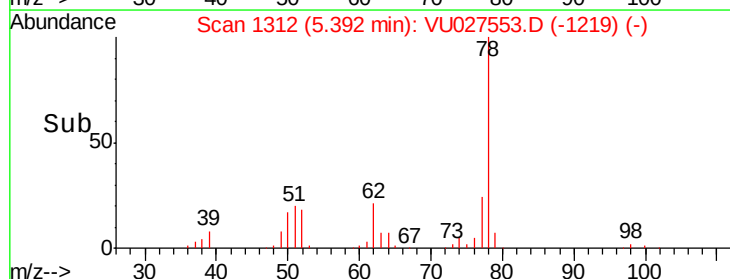
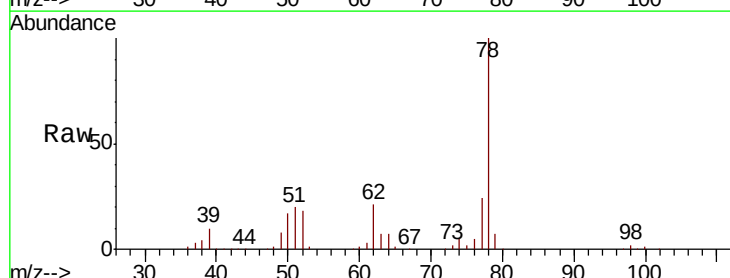
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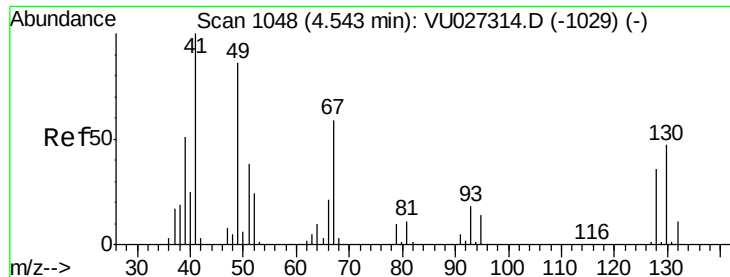
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#40
Benzene
Concen: 47.796 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9





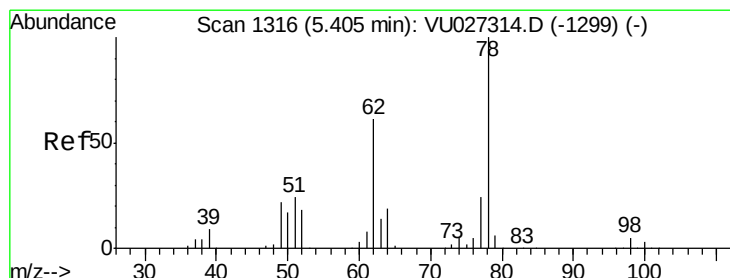
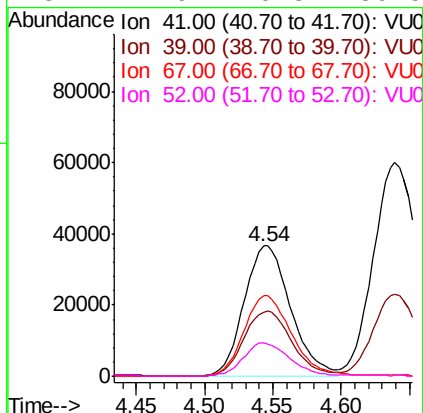
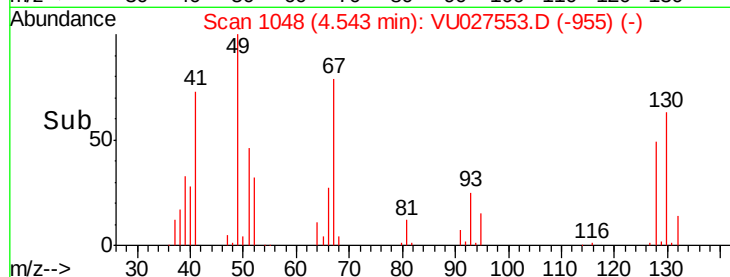
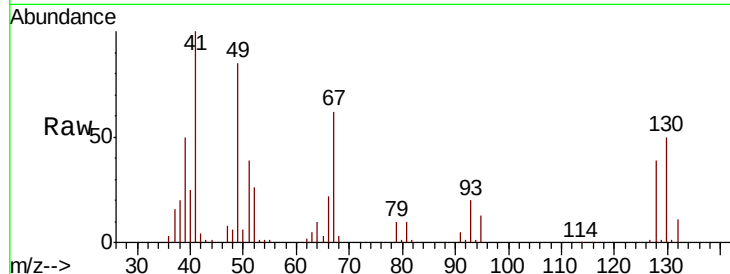
#41
Methacrylonitrile
Concen: 50.518 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	41.1	61.7	
67	63.5	50.4	75.6	
52	24.9	20.3	30.5	

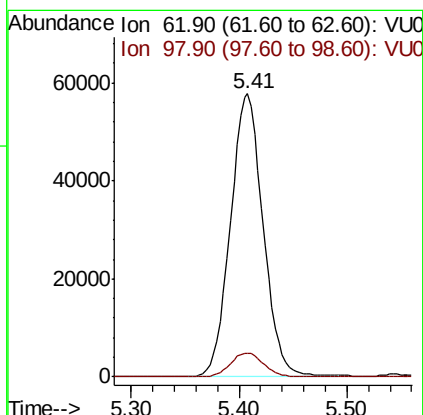
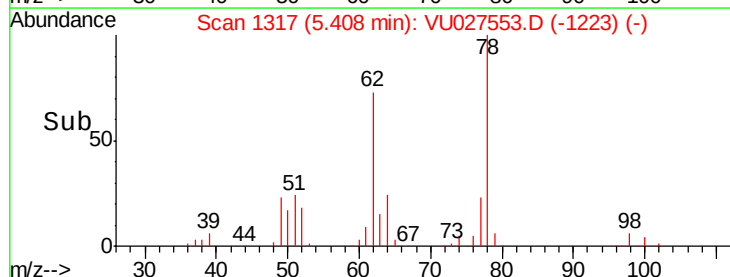
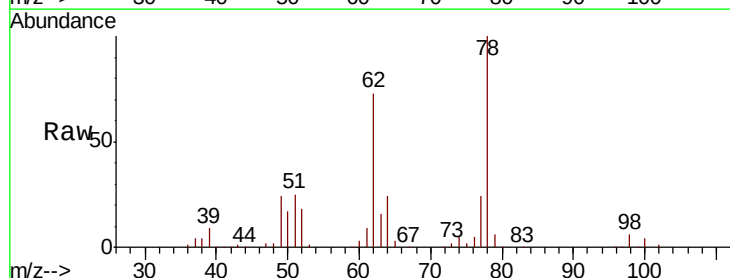
Manual Integrations
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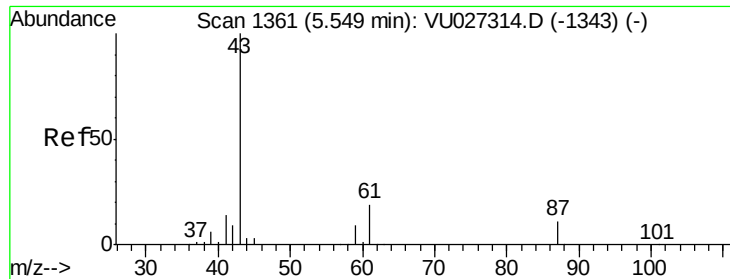
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#42
1,2-Dichloroethane
Concen: 47.809 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	16.8	





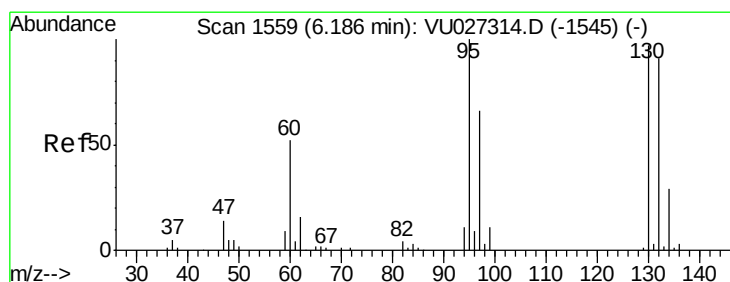
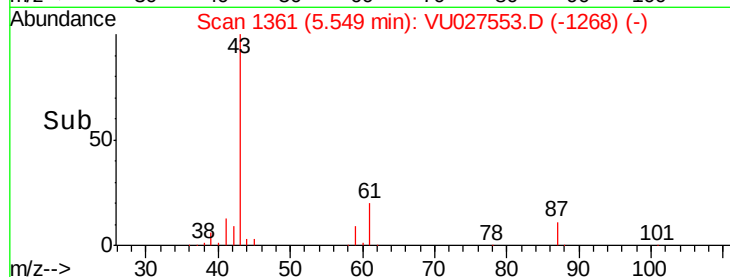
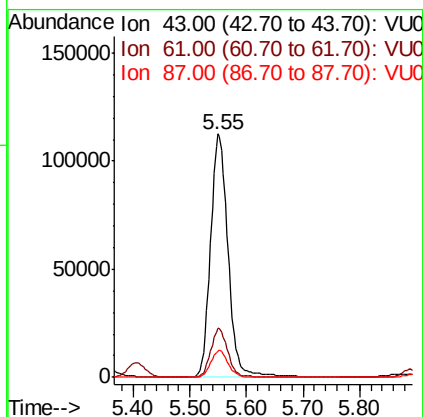
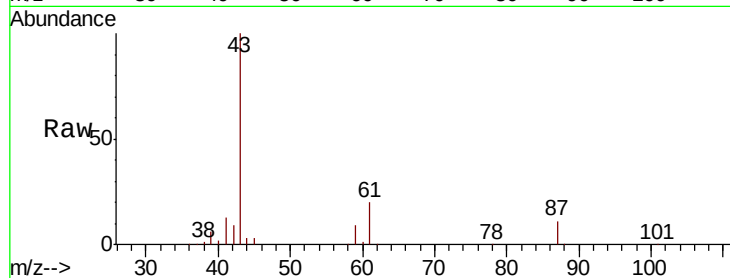
#43
Isopropyl Acetate
Concen: 50.538 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.3	22.9
87	11.0	8.6	13.0

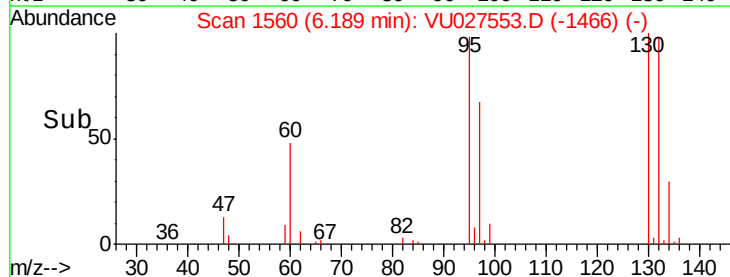
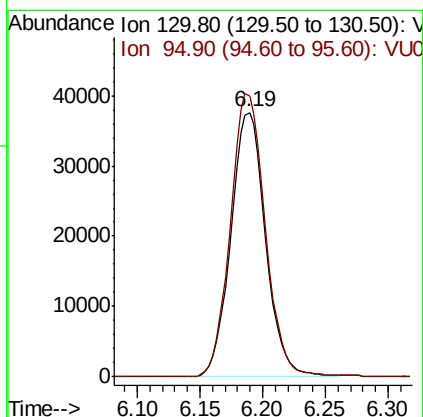
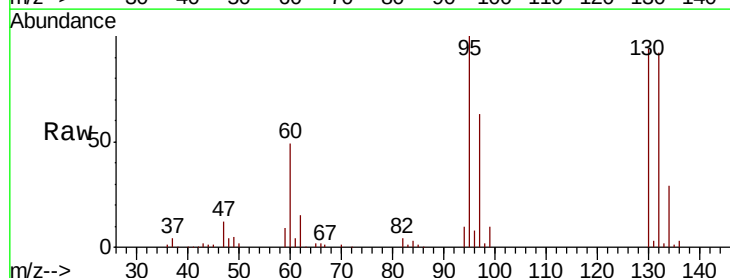
Manual Integrations
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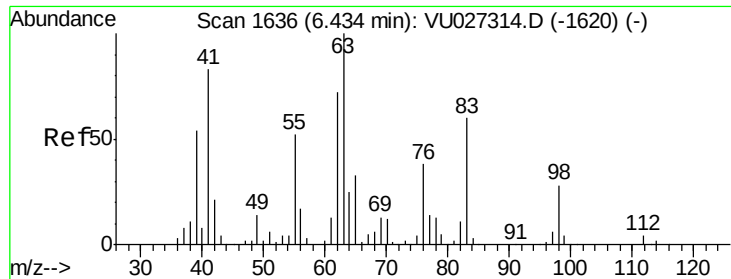
MMDadoda
10/11/2018 9:01:44 AM



#44
Trichloroethene
Concen: 47.190 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	207.0





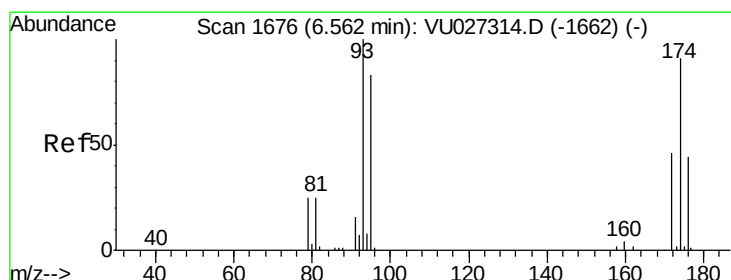
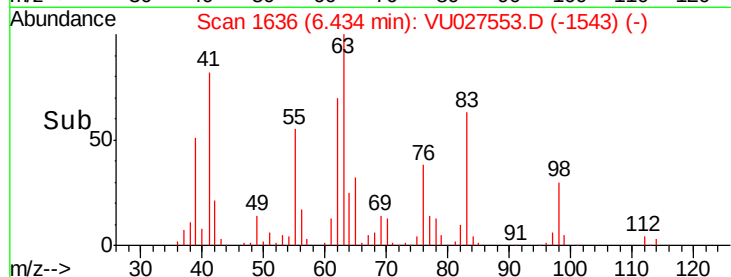
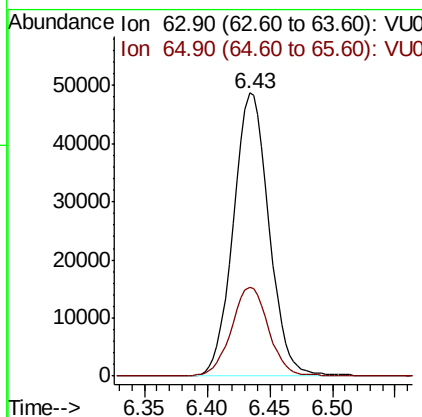
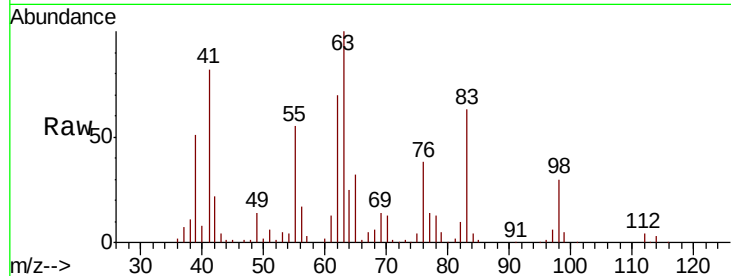
#45
 1,2-Dichloropropane
 Concen: 48.553 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 96305
 Ion Ratio Lower Upper
 63 100
 65 31.6 26.0 39.0

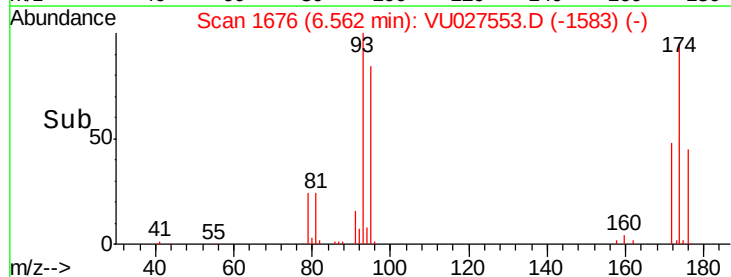
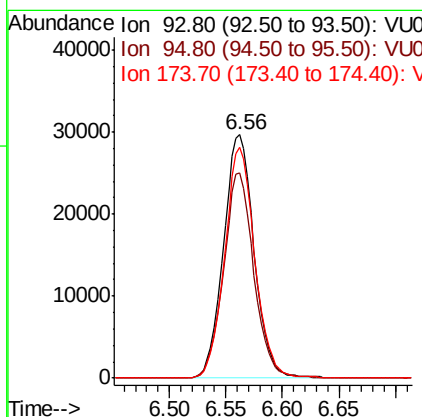
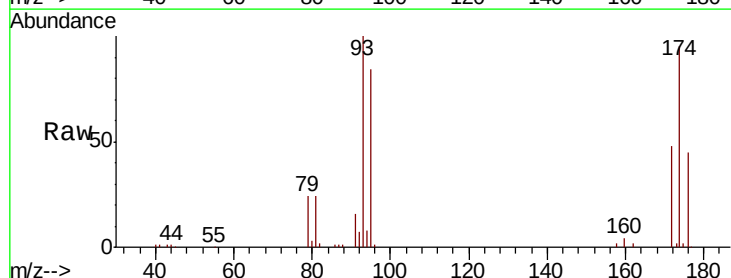
Manual Integrations
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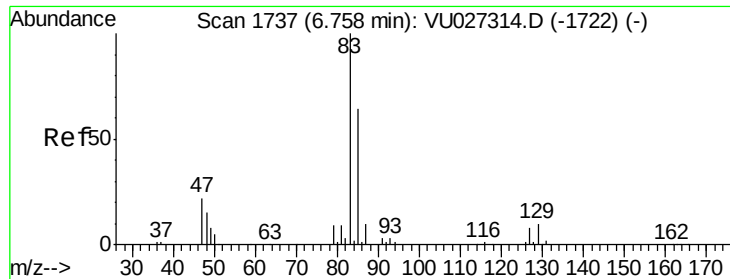
MMDadoda
 10/11/2018 9:01:44 AM



#46
 Dibromomethane
 Concen: 49.814 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion: 93 Resp: 55804
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 93.3 72.5 108.7





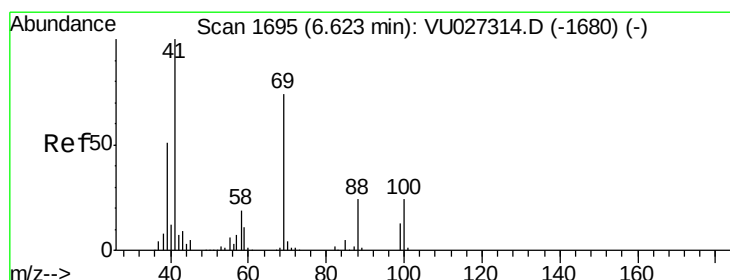
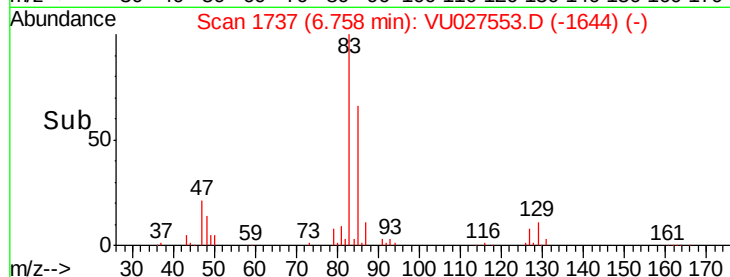
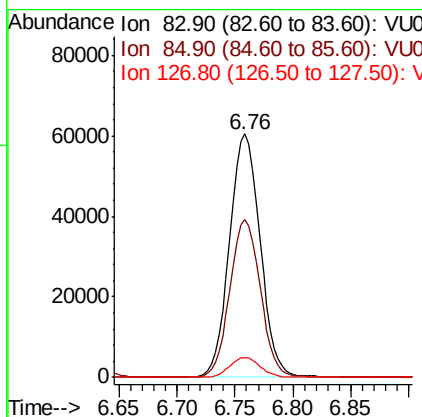
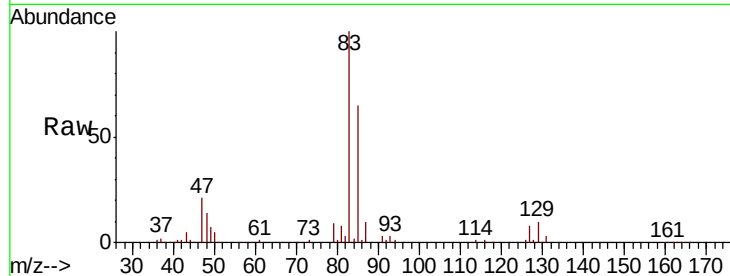
#47
Bromodichloromethane
Concen: 47.868 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	111271
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	8.2	6.3	9.5

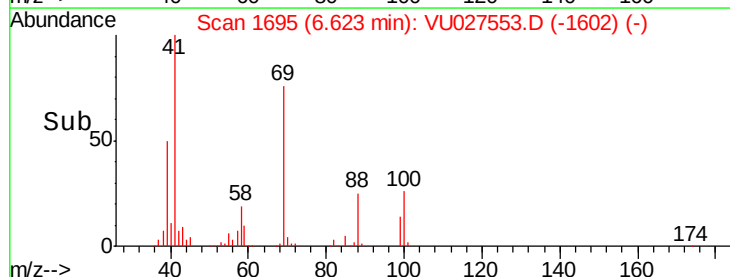
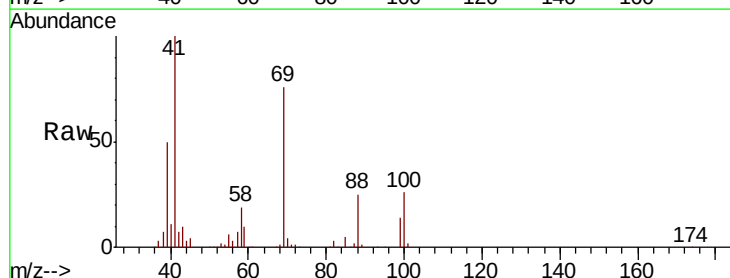
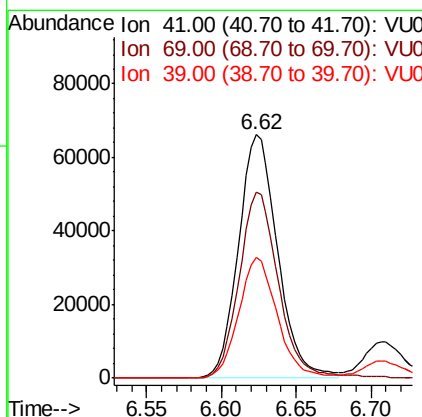
Manual Integrations
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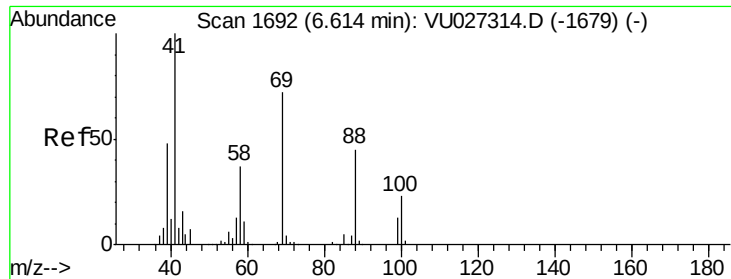
MMDadoda
10/11/2018 9:01:44 AM



#48
Methyl methacrylate
Concen: 50.902 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	41	Resp	119951
Ion Ratio	100	Lower	Upper
41	100		
69	77.7	61.0	91.4
39	49.2	39.9	59.9





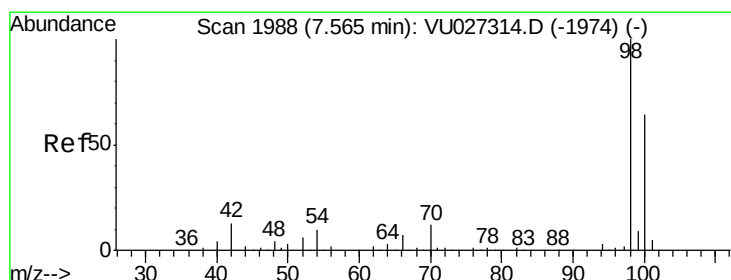
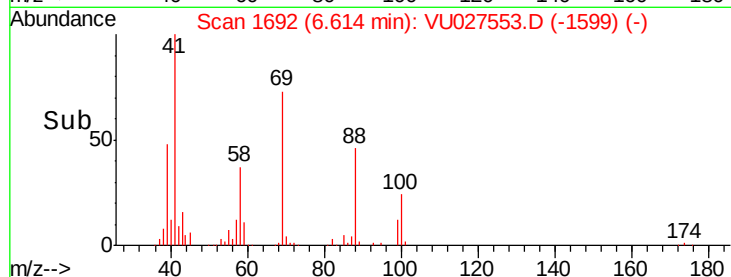
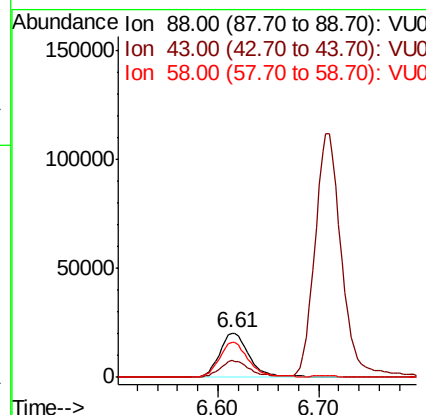
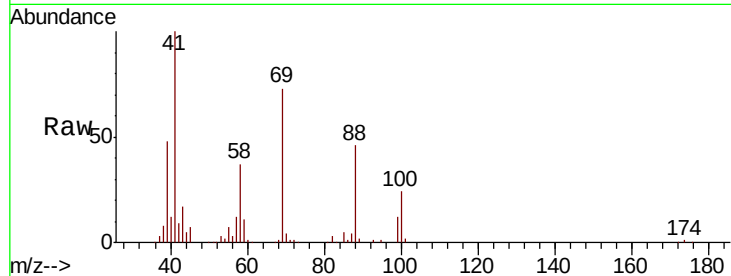
#49
1,4-Dioxane
Concen: 1004.575 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	30.8	46.2
58	79.9	67.0	100.6

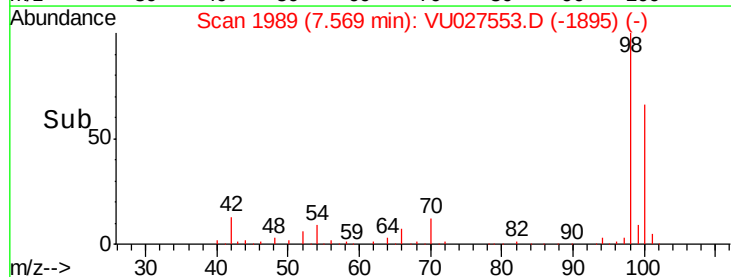
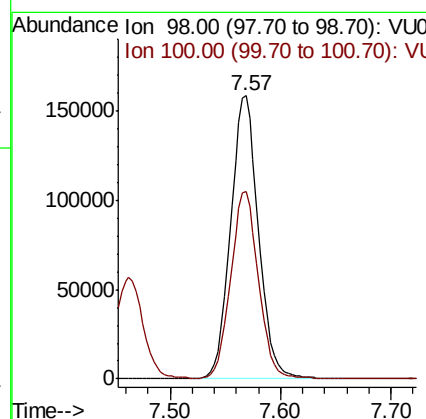
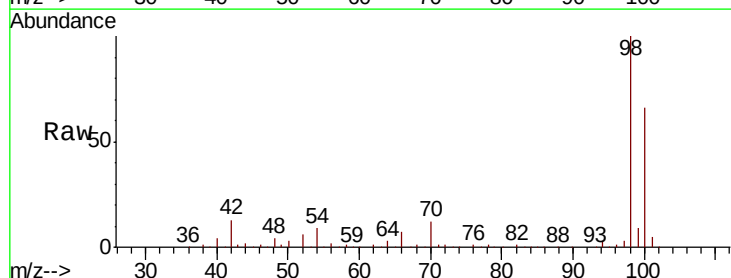
Manual Integrations
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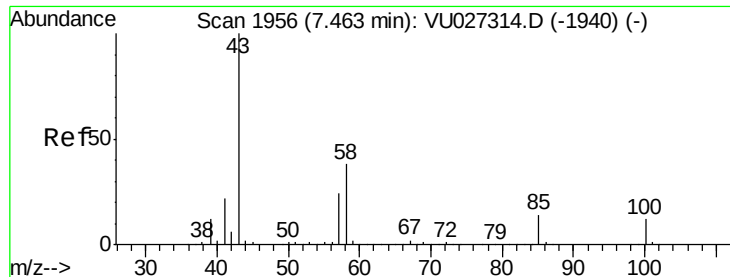
MMDadoda
10/11/2018 9:01:44 AM



#50
Toluene-d8
Concen: 49.752 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 254.589 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 783950

Ion Ratio Lower Upper

43 100

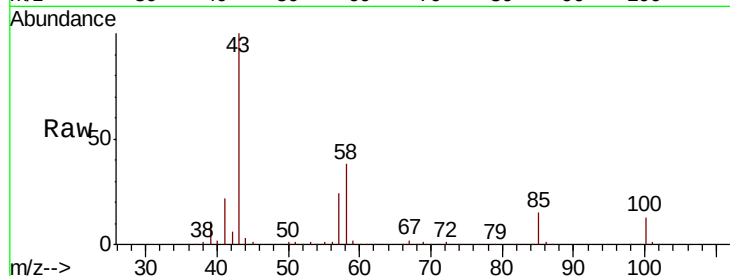
58 37.9 29.8 44.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU027314.D (-1940) (-)

Ion 58.00 (57.70 to 58.70): VU027314.D (-1940) (-)

7.46

400000

300000

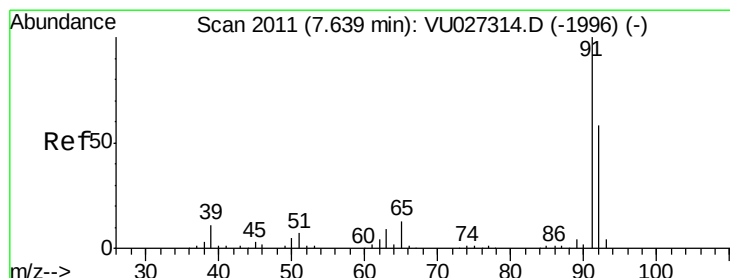
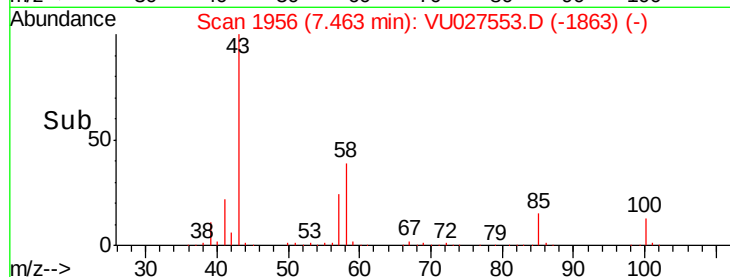
200000

100000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 48.434 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027553.D

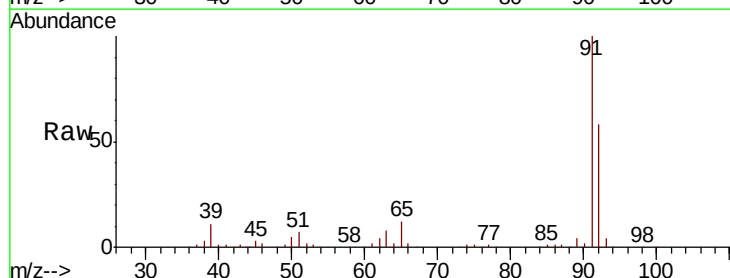
Acq: 10 Oct 2018 03:45

Tgt Ion: 92 Resp: 197141

Ion Ratio Lower Upper

92 100

91 171.2 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VU027314.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU027314.D (-1996) (-)

7.64

200000

150000

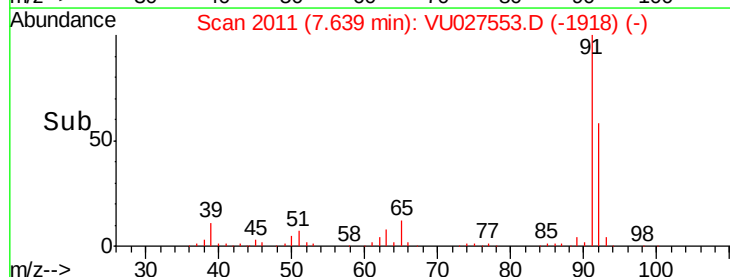
100000

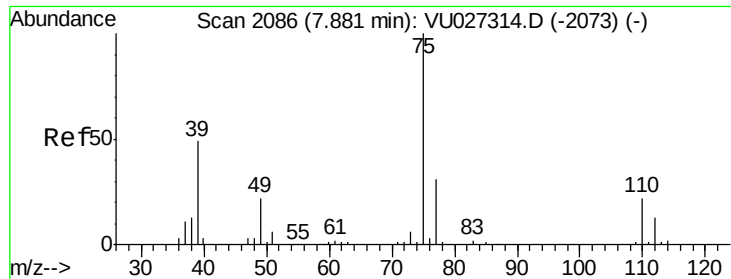
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





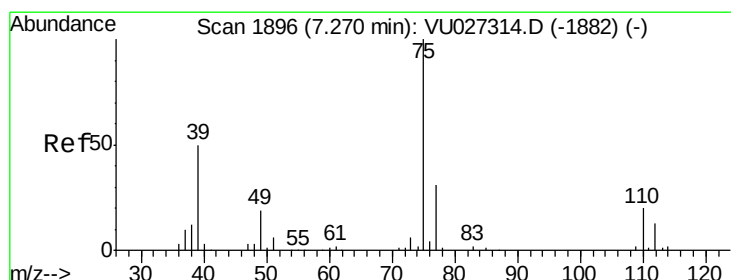
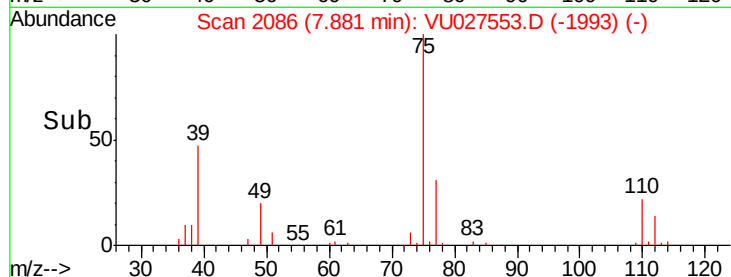
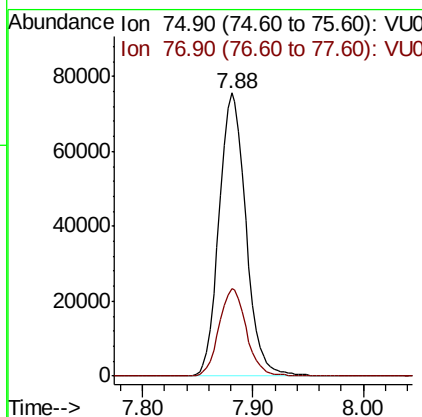
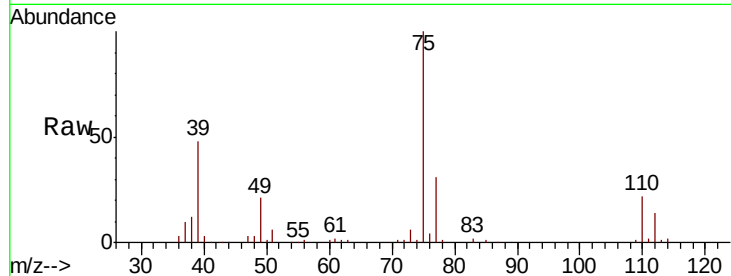
#53
t-1,3-Dichloropropene
Concen: 46.814 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6

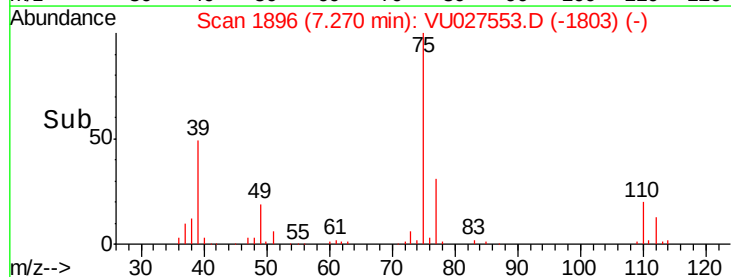
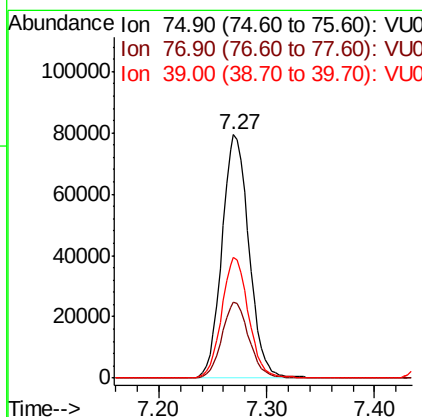
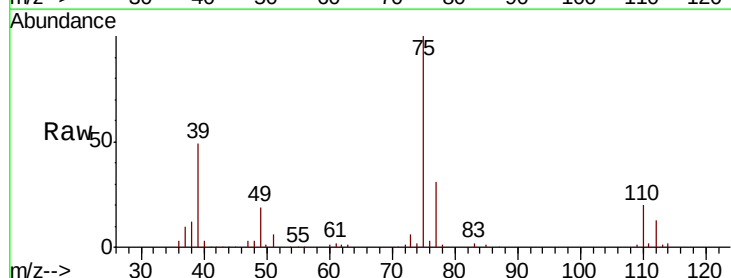
Manual Integrations
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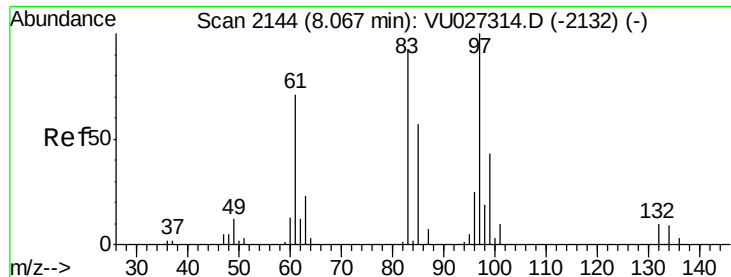
MMDadoda
10/11/2018 9:01:44 AM



#54
cis-1,3-Dichloropropene
Concen: 47.245 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.5	36.7
39	49.5	40.1	60.1





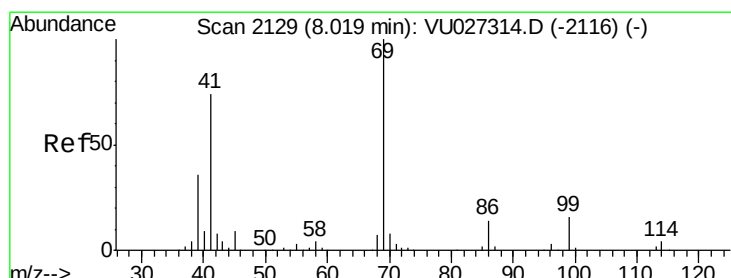
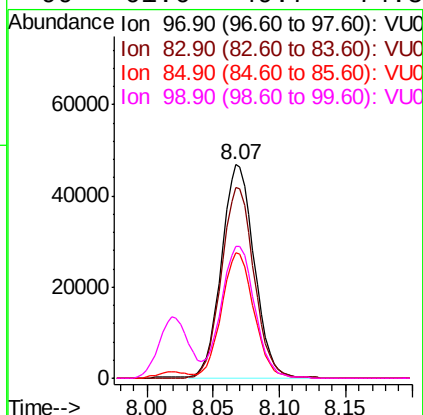
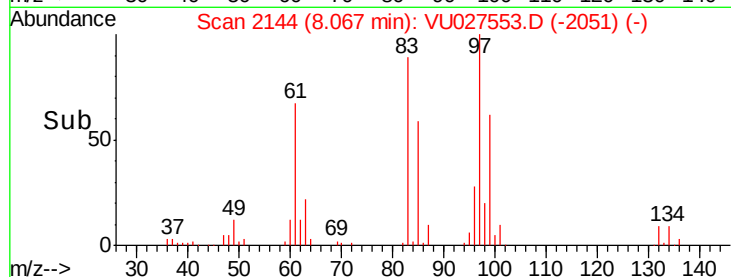
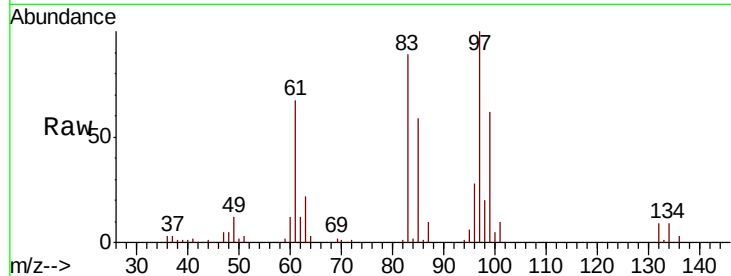
#55
 1,1,2-Trichloroethane
 Concen: 49.870 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.8	73.0	109.6
85	58.9	47.3	70.9
99	61.6	49.7	74.5

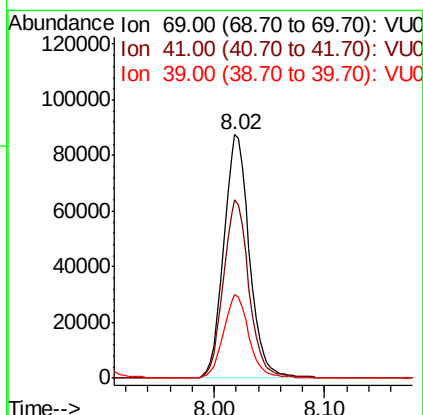
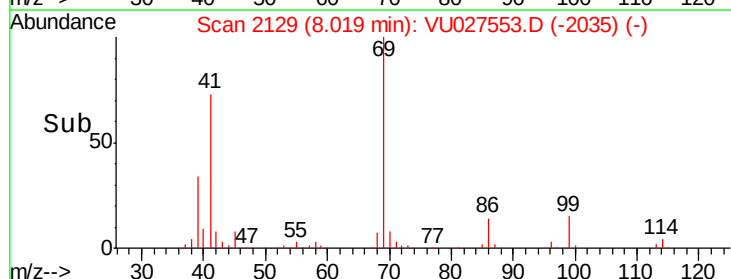
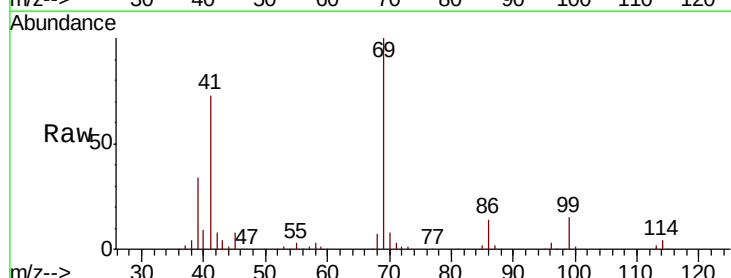
Manual Integrations
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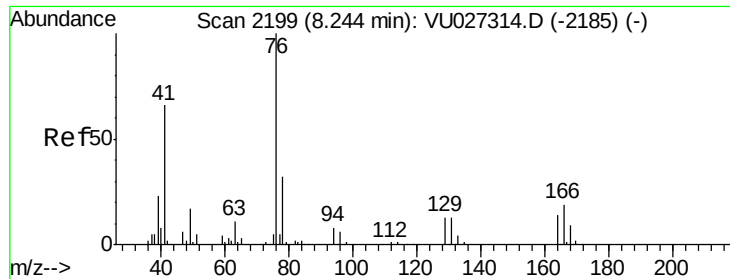
MMDadoda
 10/11/2018 9:01:44 AM



#56
 Ethyl methacrylate
 Concen: 45.977 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.2	60.0	90.0
39	33.9	29.5	44.3





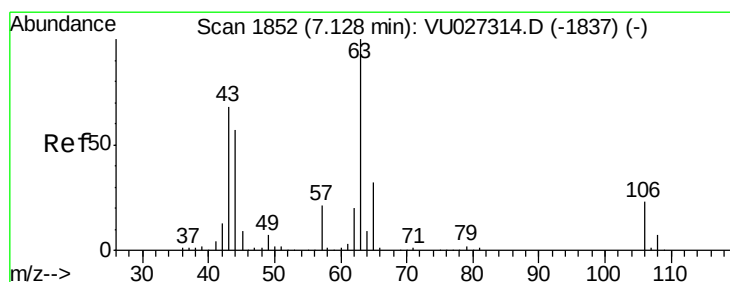
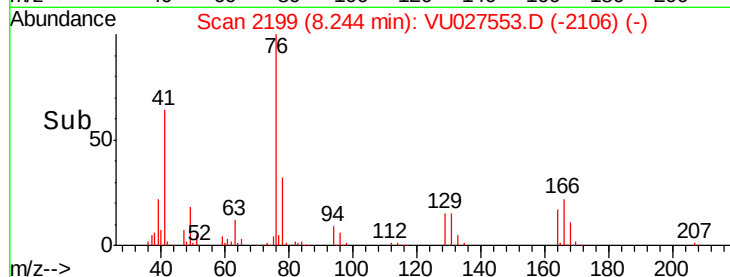
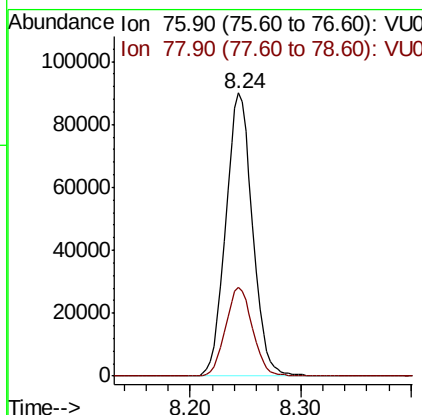
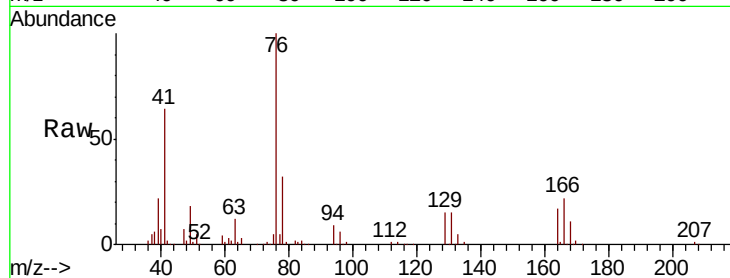
#57
 1,3-Dichloropropane
 Concen: 48.336 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 151430
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

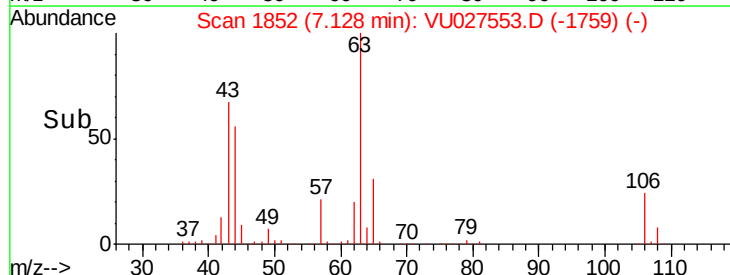
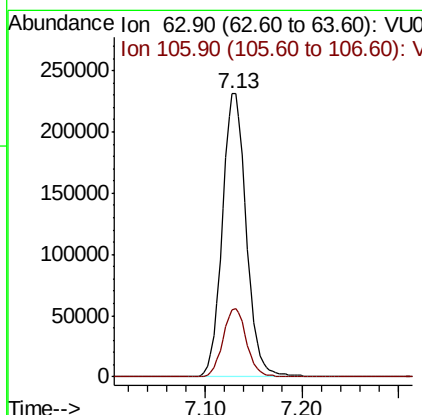
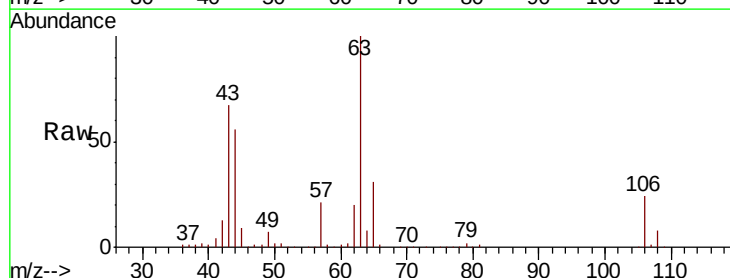
Manual Integrations
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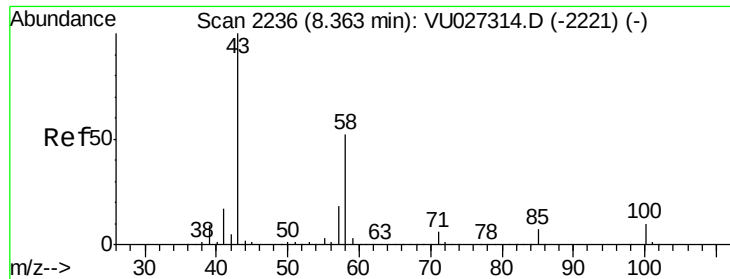
MMDadoda
 10/11/2018 9:01:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.891 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion: 63 Resp: 397774
 Ion Ratio Lower Upper
 63 100
 106 24.0 18.5 27.7





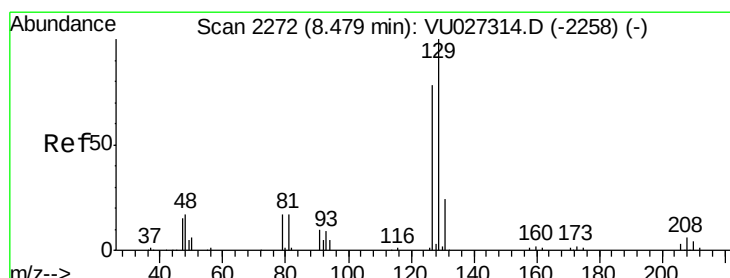
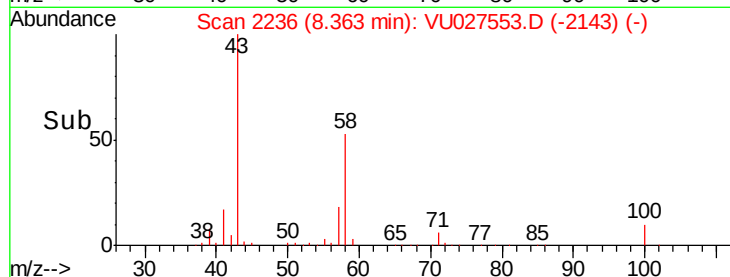
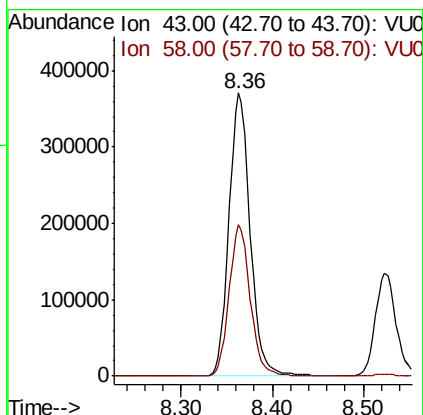
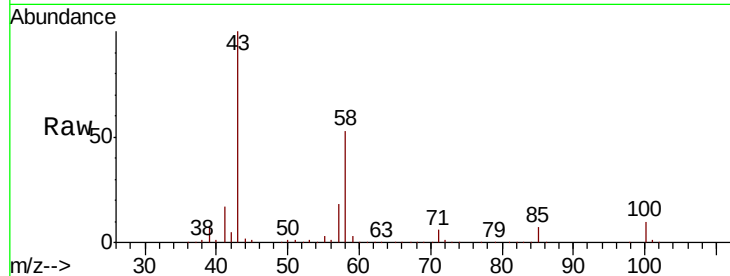
#59
2-Hexanone
Concen: 251.537 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 600839
Ion Ratio Lower Upper
43 100
58 53.3 26.1 78.3

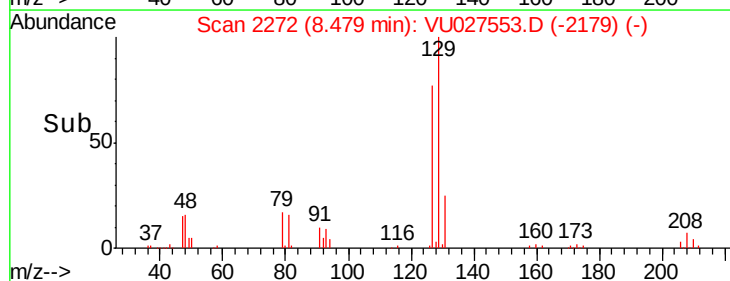
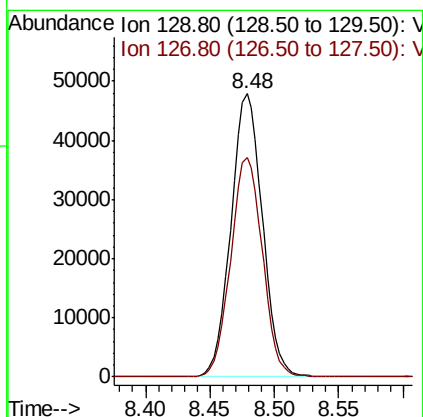
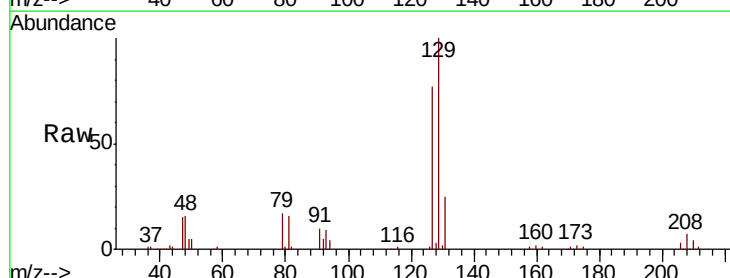
Manual Integrations
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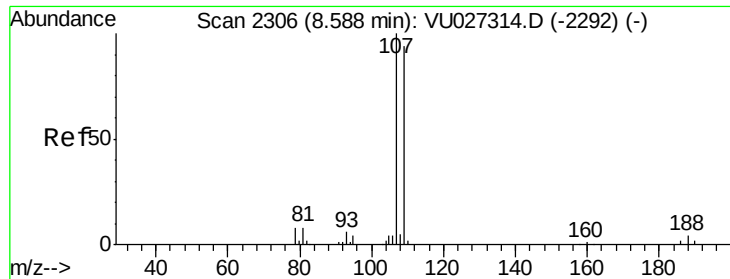
MMDadoda
10/11/2018 9:01:44 AM



#60
Dibromochloromethane
Concen: 50.206 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion: 129 Resp: 81263
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.2





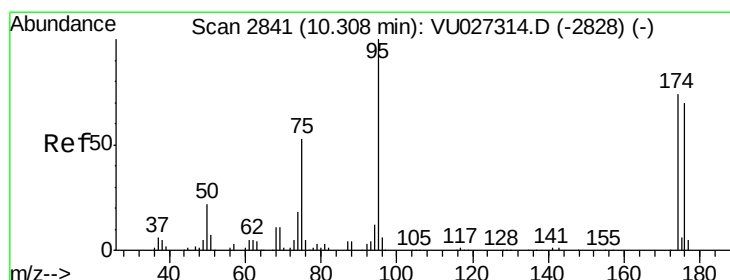
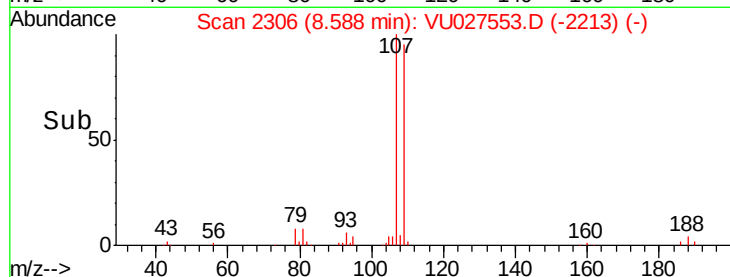
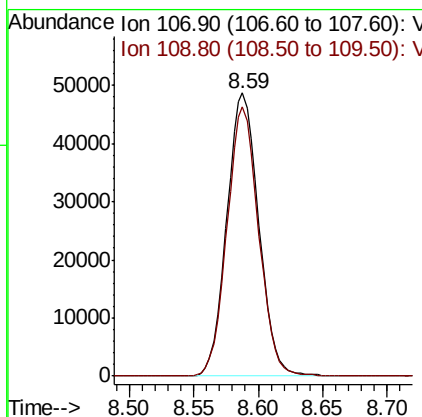
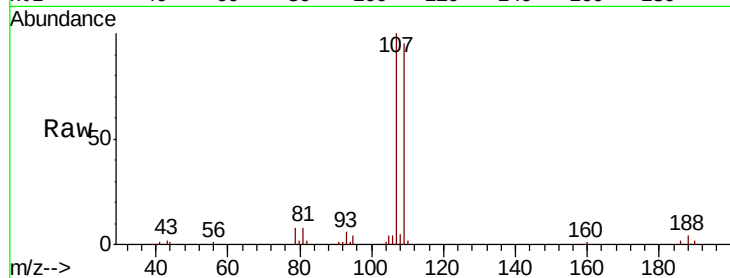
#61
 1,2-Dibromoethane
 Concen: 48.781 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 83701
 Ion Ratio Lower Upper
 107 100
 109 94.1 74.5 111.7

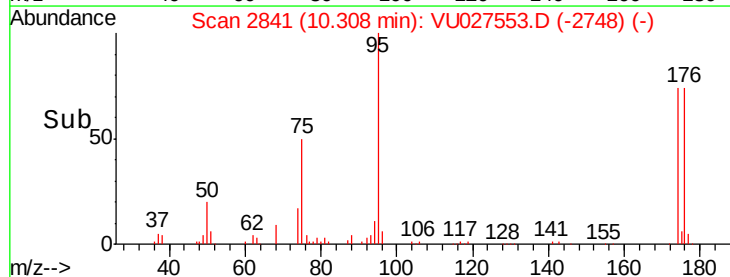
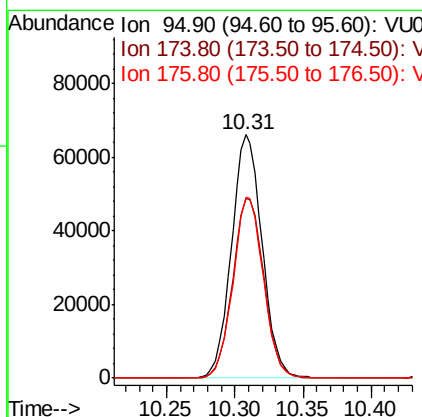
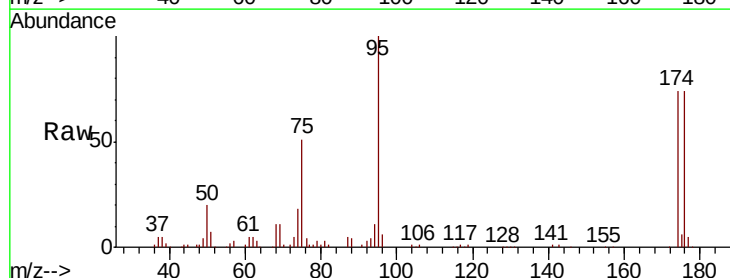
Manual Integrations
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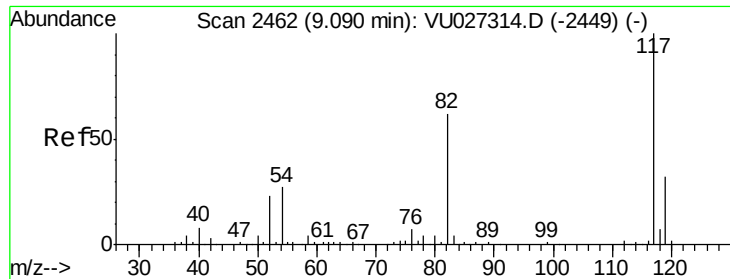
MMDadoda
 10/11/2018 9:01:44 AM



#62
 4-Bromofluorobenzene
 Concen: 49.622 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion: 95 Resp: 102849
 Ion Ratio Lower Upper
 95 100
 174 75.0 0.0 147.8
 176 73.6 0.0 140.8





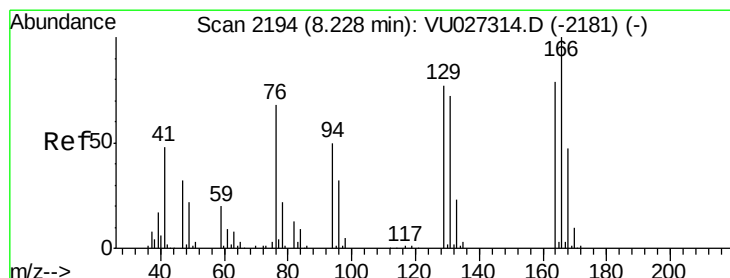
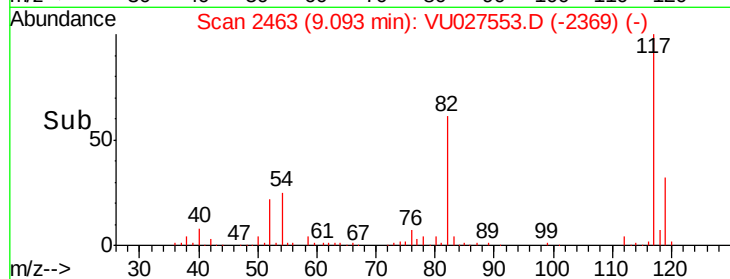
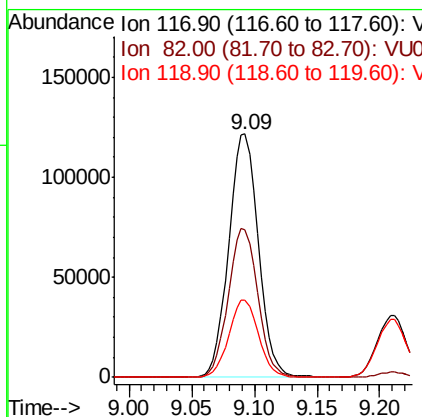
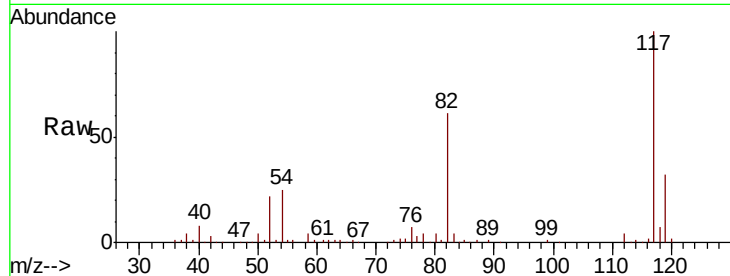
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	49.2	73.8
119	31.8	25.7	38.5

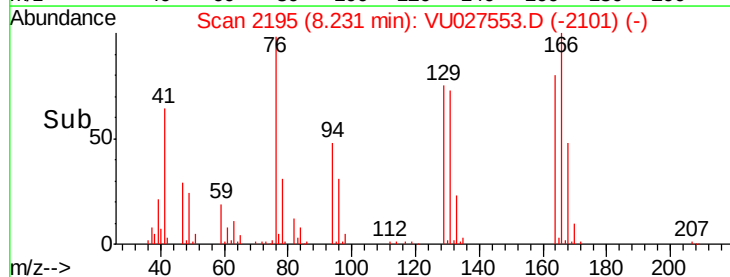
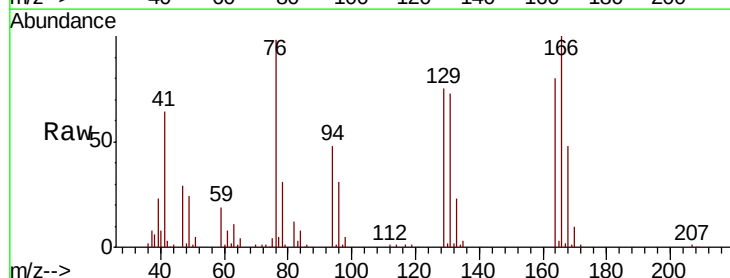
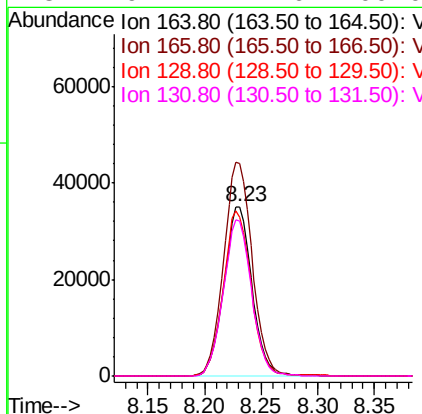
Manual Integrations
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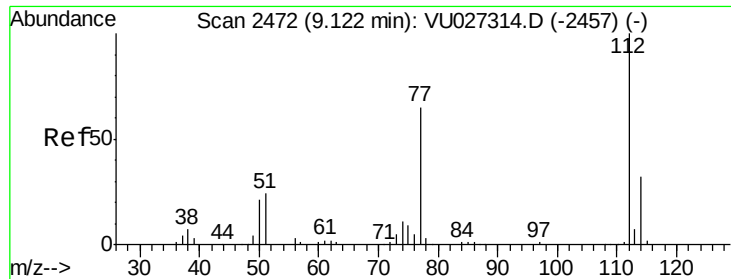
MMDadoda
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#64
Tetrachloroethene
Concen: 48.380 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.0	151.6
129	93.9	78.0	117.0
131	91.2	72.6	109.0





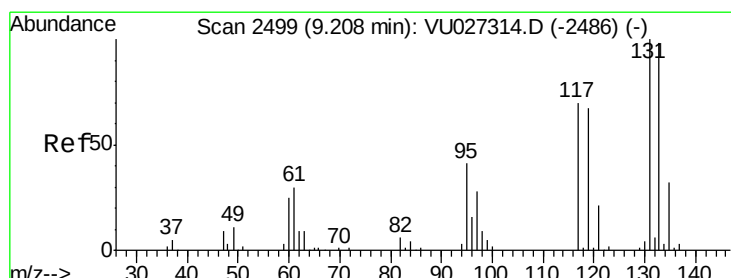
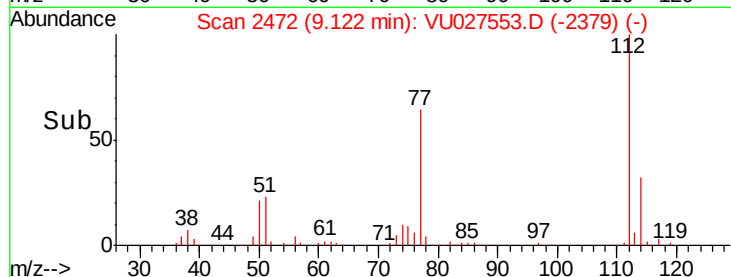
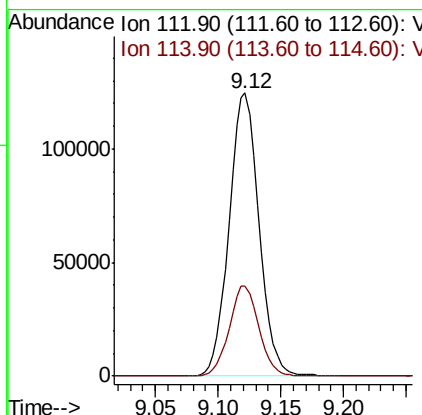
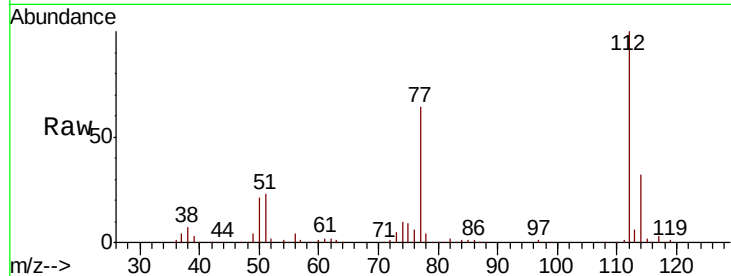
#65
Chlorobenzene
Concen: 49.019 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 206442
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

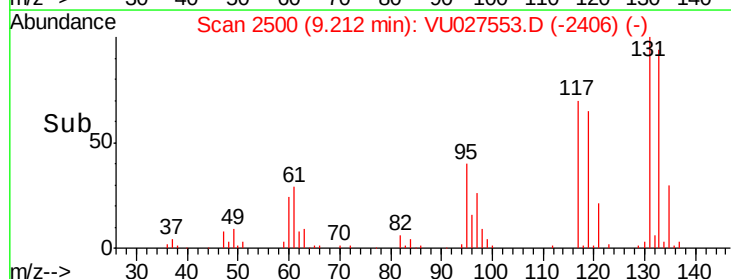
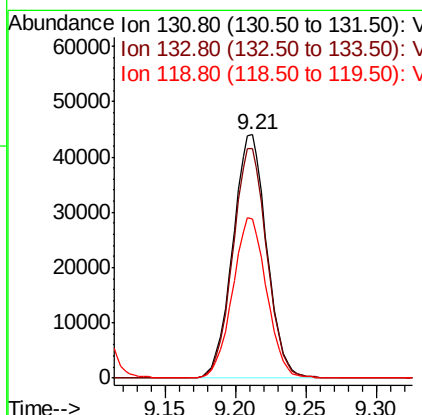
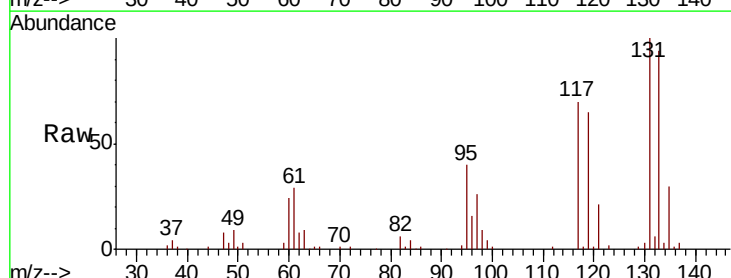
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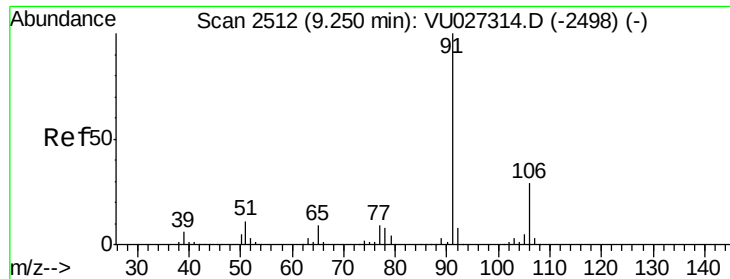
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.000 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion:131 Resp: 74146
Ion Ratio Lower Upper
131 100
133 94.6 48.5 145.6
119 66.2 33.5 100.4





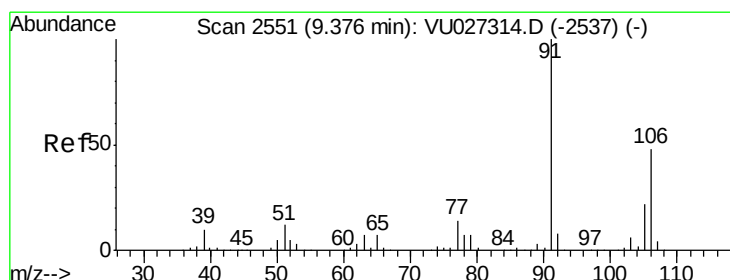
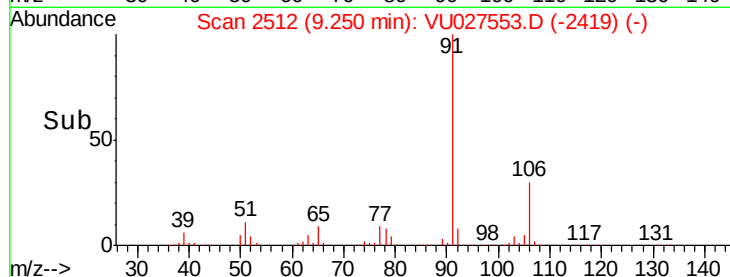
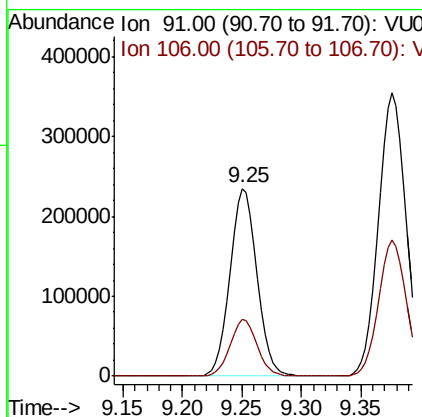
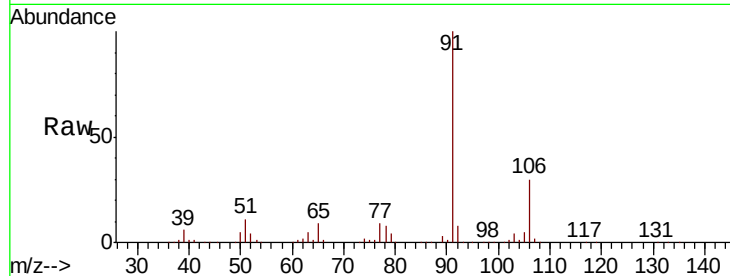
#67
Ethyl Benzene
Concen: 49.444 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 368922
Ion Ratio Lower Upper
91 100
106 30.1 23.6 35.4

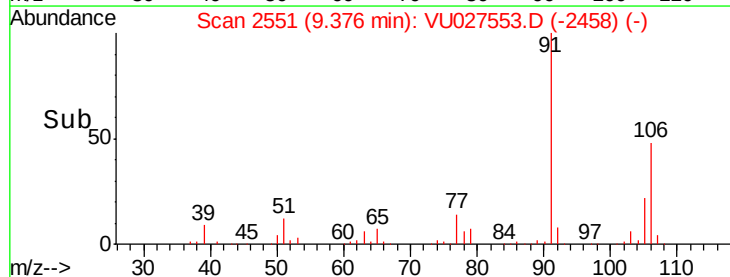
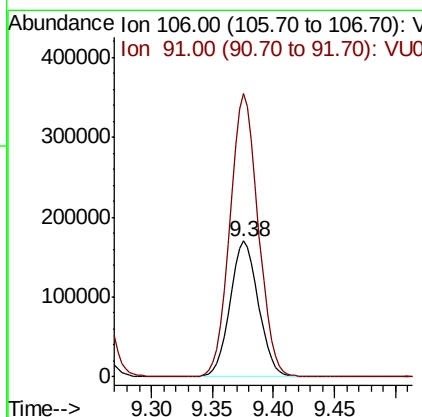
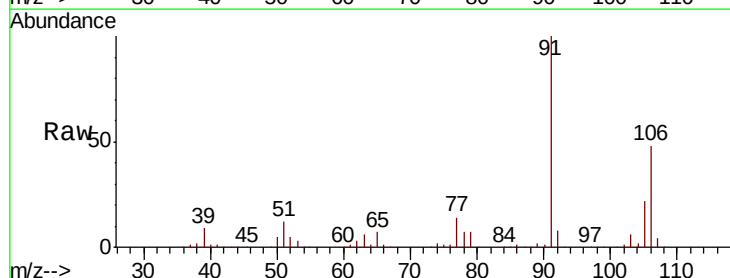
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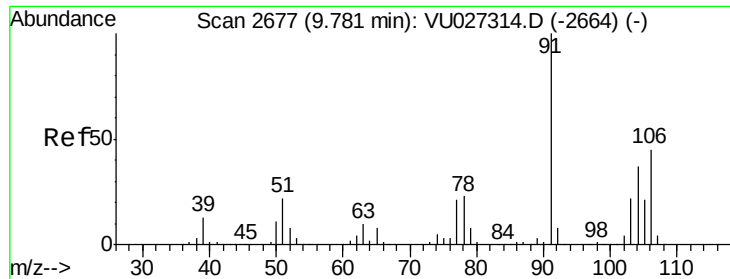
MMDadoda
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#68
m/p-Xylenes
Concen: 101.221 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion: 106 Resp: 276261
Ion Ratio Lower Upper
106 100
91 207.9 168.1 252.1





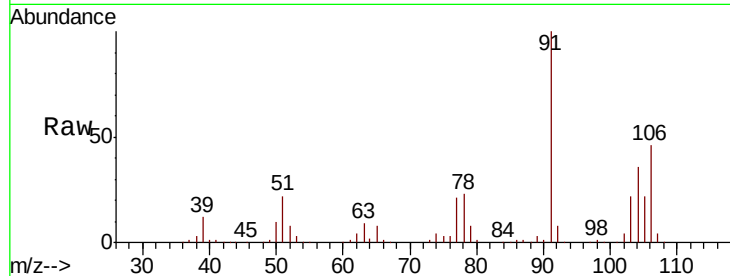
#69
o-Xylene
Concen: 51.983 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

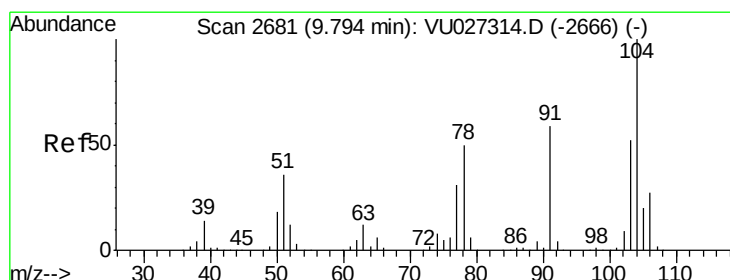
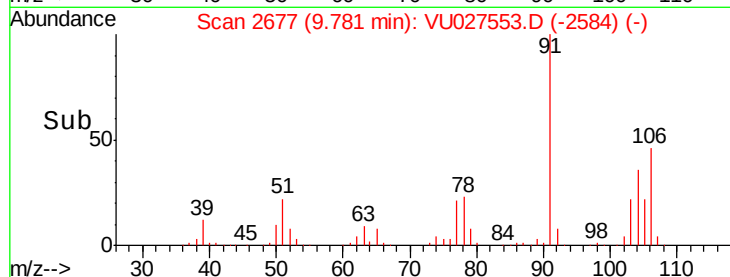
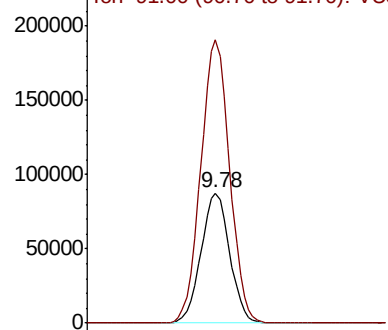
Tot Ion:106 Resp: 134823
Ion Ratio Lower Upper
106 100
91 219.3 111.7 334.9

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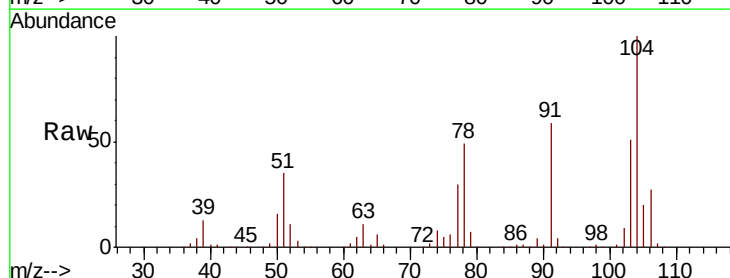


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

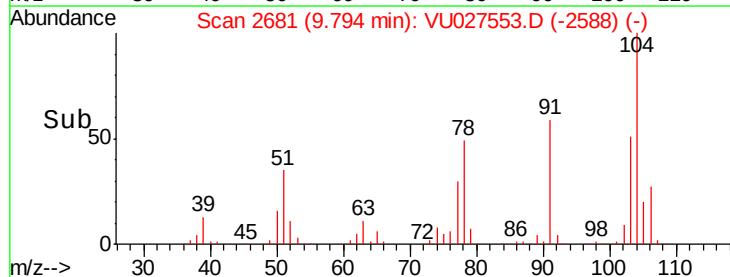
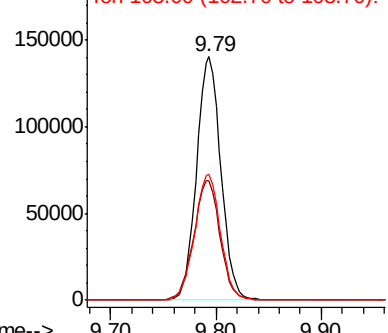


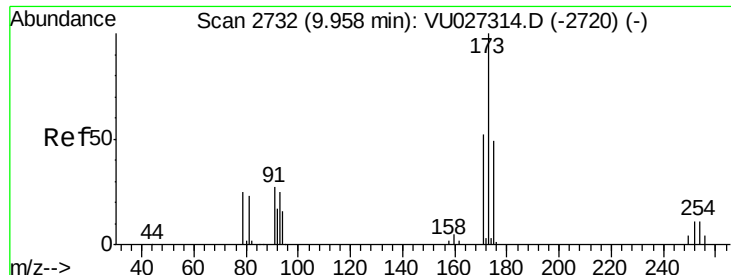
#70
Styrene
Concen: 46.318 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion:104 Resp: 223697
Ion Ratio Lower Upper
104 100
78 53.2 42.9 64.3
103 54.9 43.9 65.9



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





#71

Bromoform

Concen: 52.032 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 60862

Ion Ratio Lower Upper

173 100

175 48.1 24.3 73.0

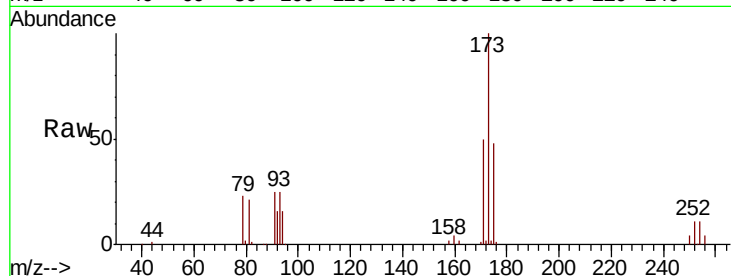
254 0.0 0.0 0.0

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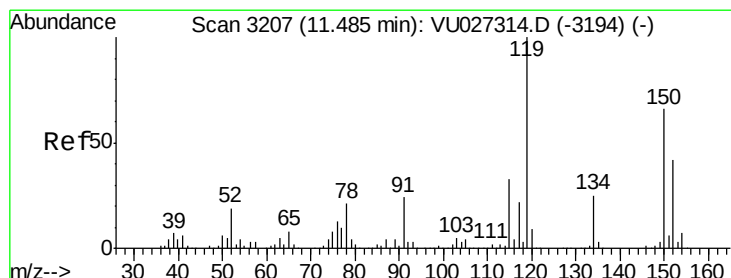
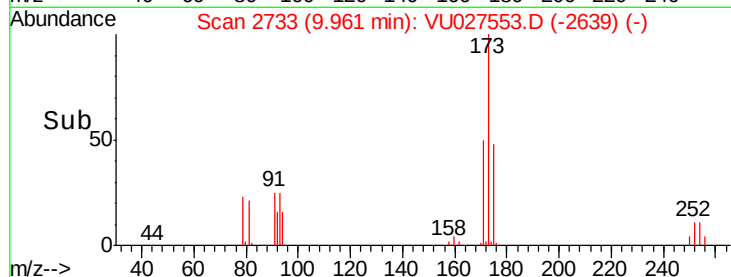
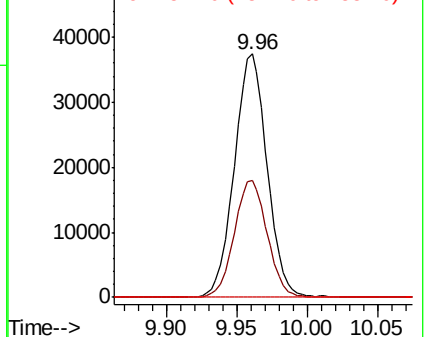


Abundance

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: 11.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

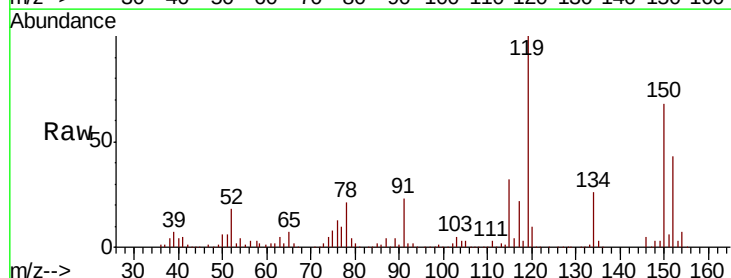
Tgt Ion:152 Resp: 100196

Ion Ratio Lower Upper

152 100

115 82.8 43.4 130.2

150 172.7 0.0 349.2

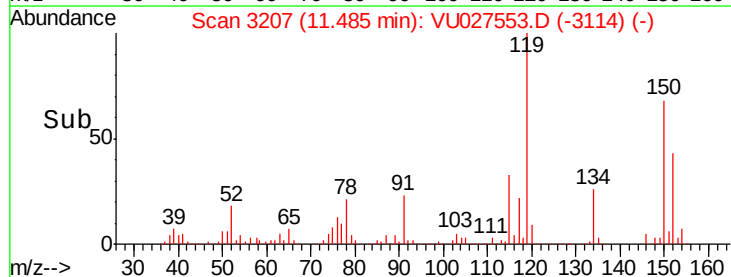
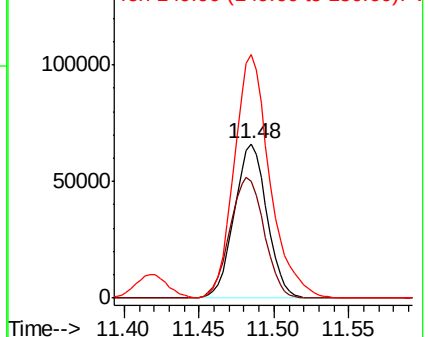


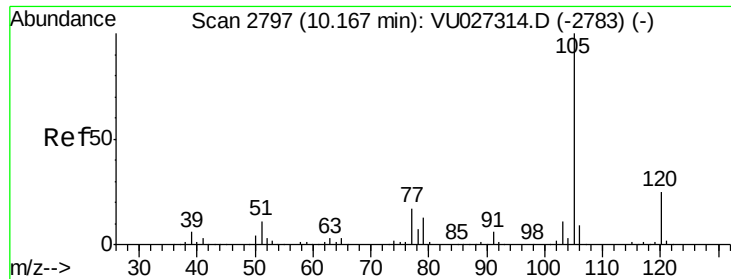
Abundance

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: 50.226 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 365498

Ion Ratio Lower Upper

105 100

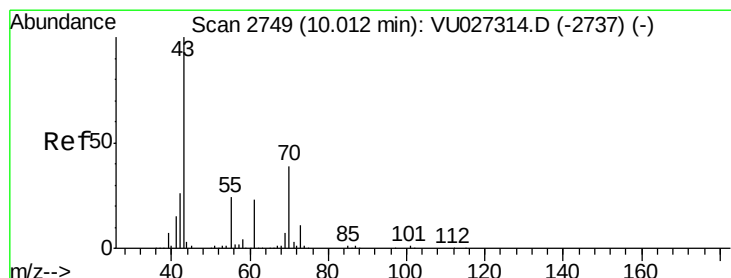
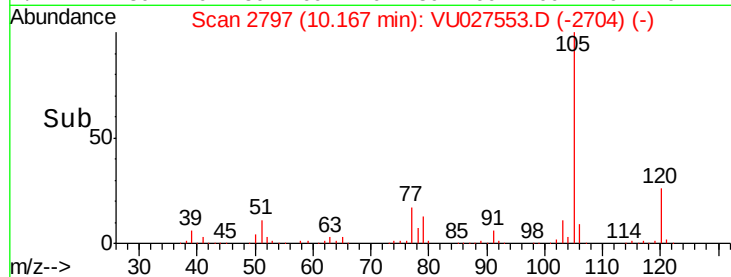
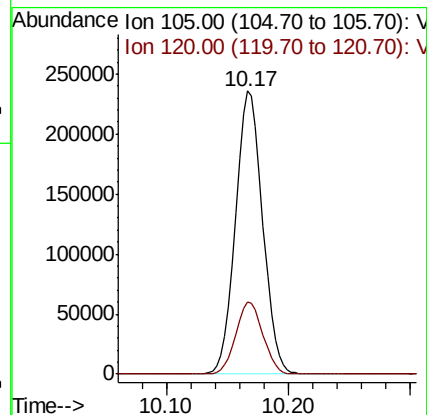
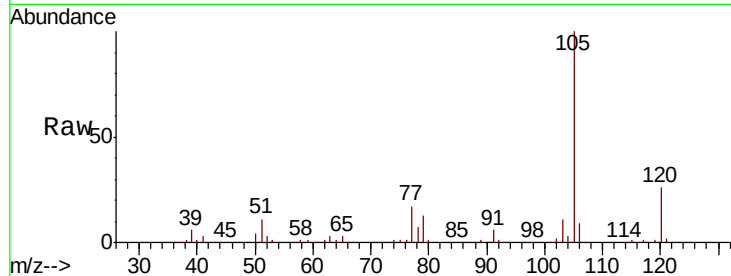
120 25.4 12.6 37.8

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#74

N-ethyl acetate

Concen: 50.729 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion: 43 Resp: 211337

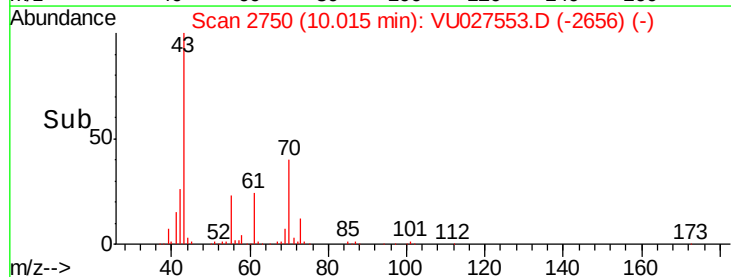
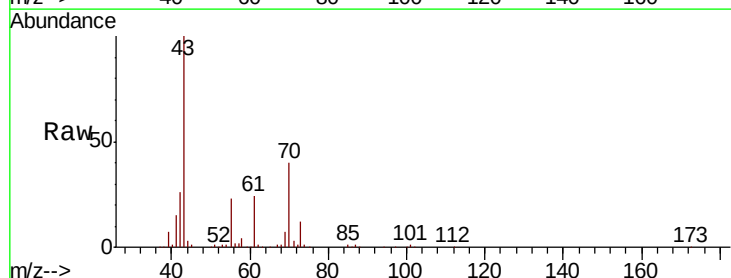
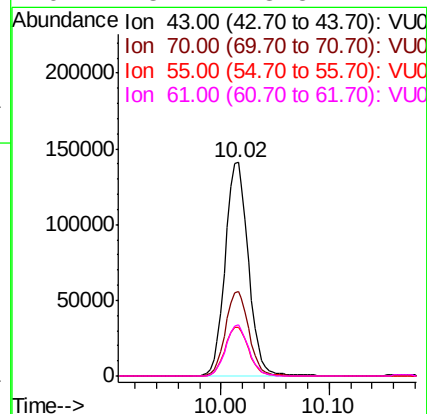
Ion Ratio Lower Upper

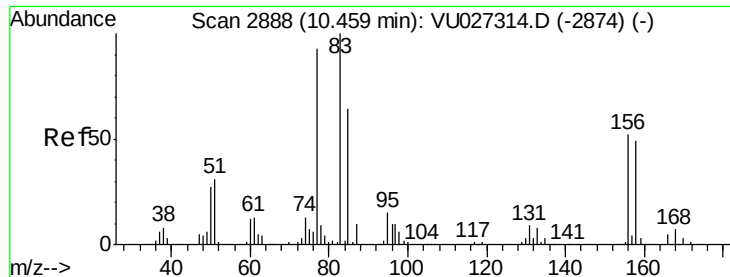
43 100

70 39.7 31.3 46.9

55 23.4 19.0 28.6

61 23.4 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.356 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

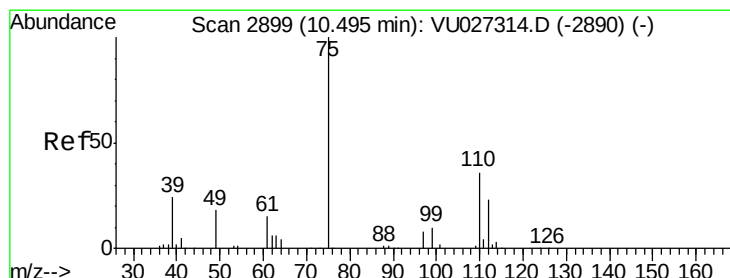
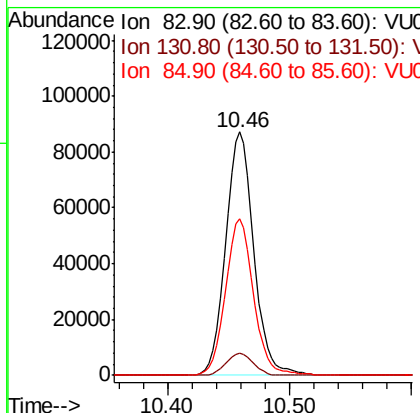
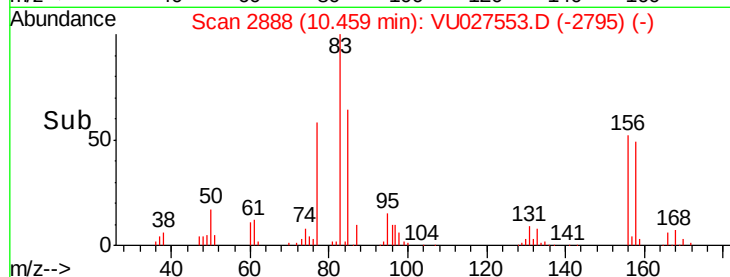
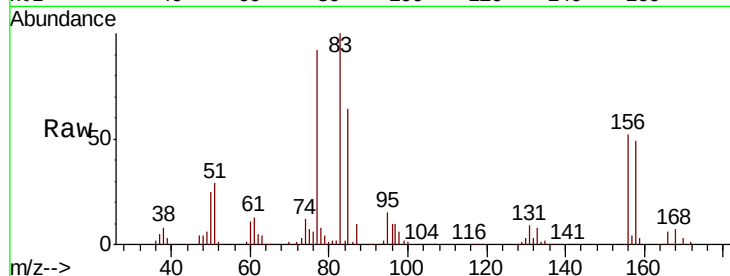
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	141030
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.4	13.2
85	64.1	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 45.984 ug/l m

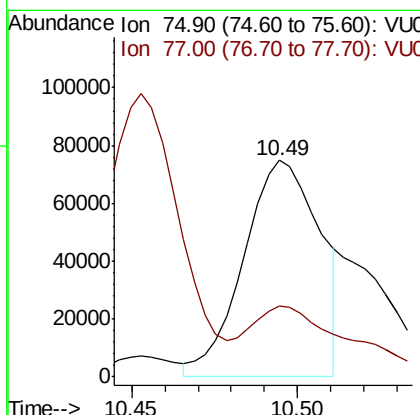
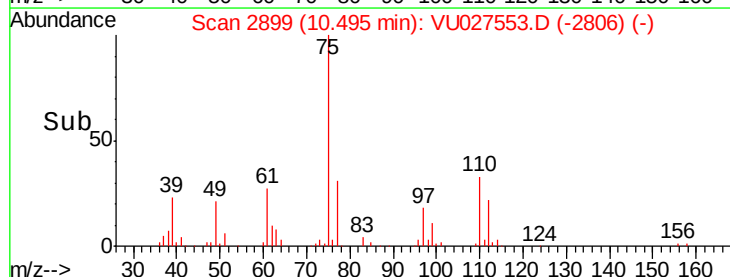
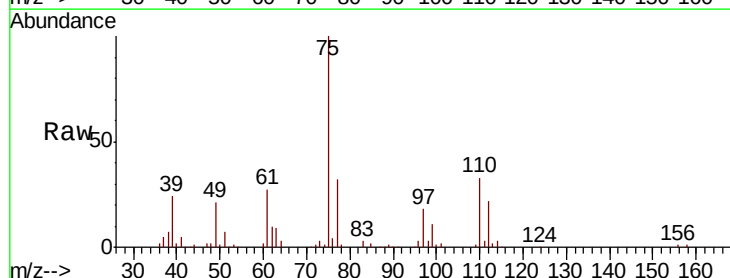
RT: 10.49 min Scan# 2899

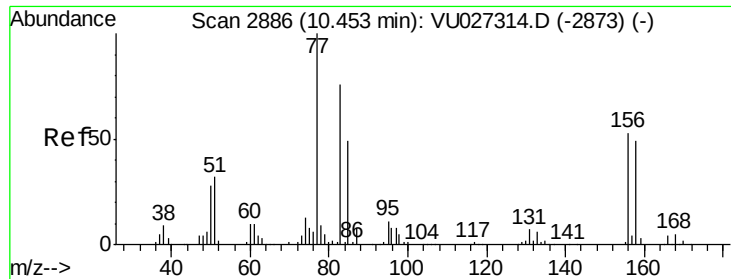
Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion:	75	Resp:	119435
Ion Ratio	Lower	Upper	
75	100		
77	44.0	20.3	60.9





#77

Bromobenzene

Concen: 49.863 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Instrument :

MSVOA_U

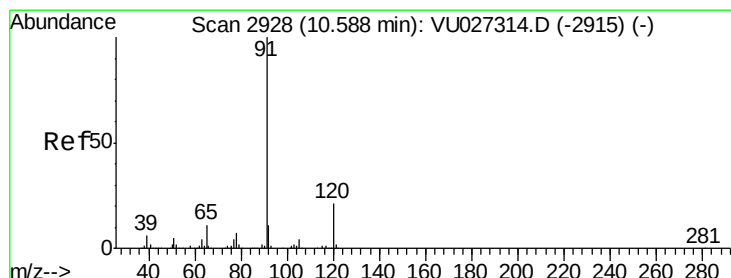
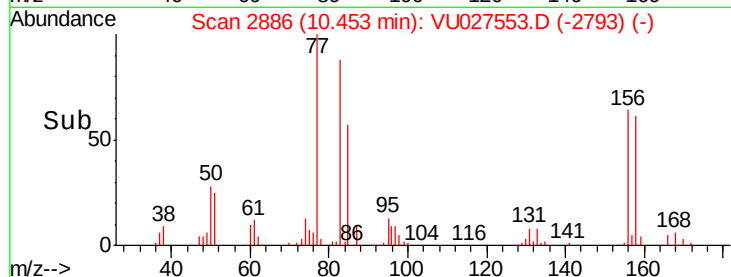
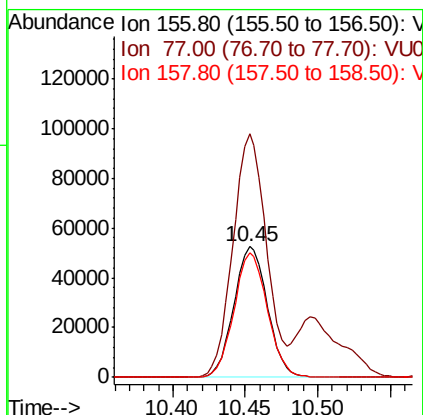
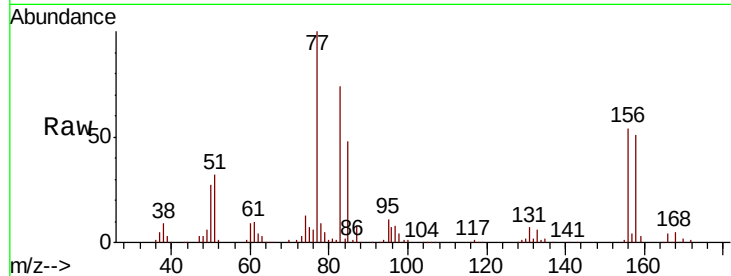
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	84329
Ion	Ratio	Lower	Upper
156	100		
77	185.3	94.8	284.4
158	95.2	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.668 ug/l

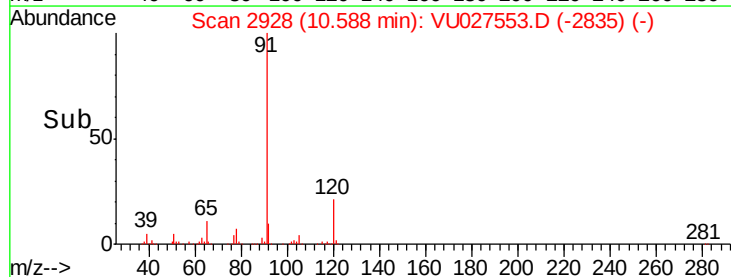
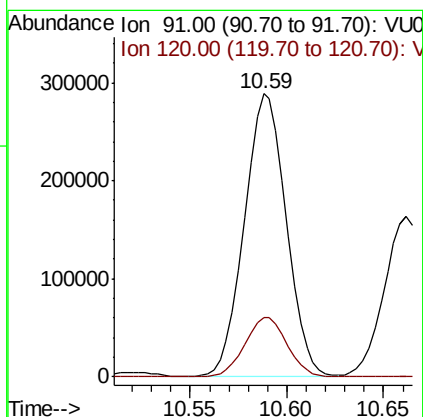
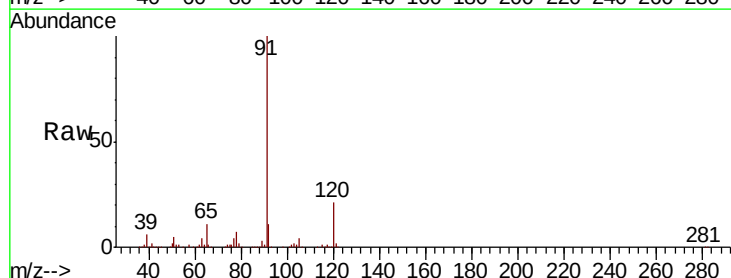
RT: 10.59 min Scan# 2928

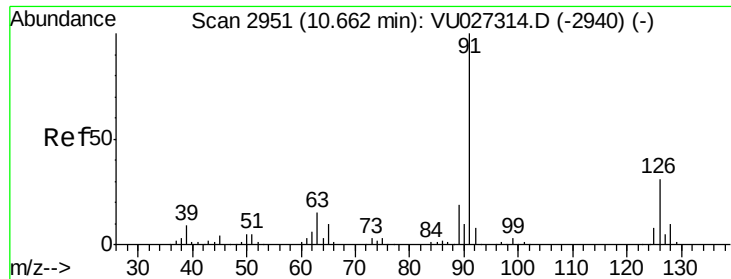
Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion:	91	Resp:	434315
Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.6	31.8





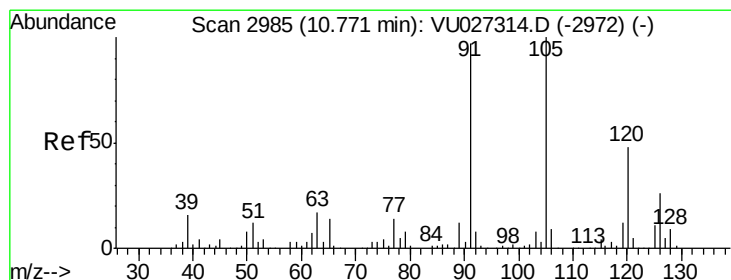
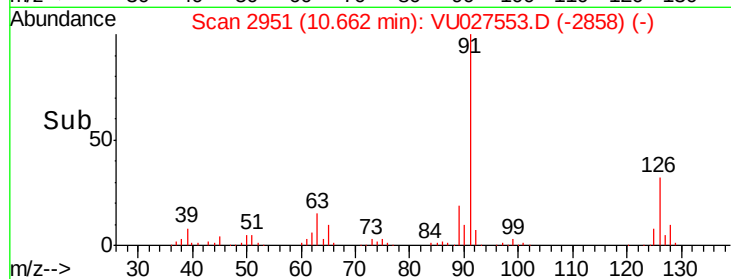
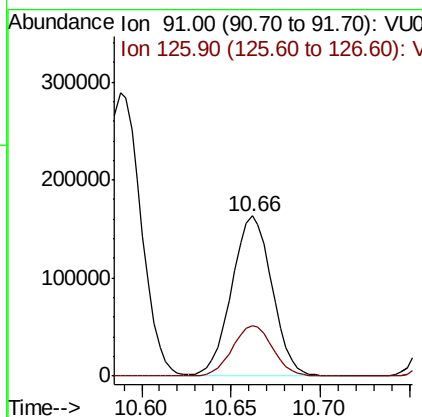
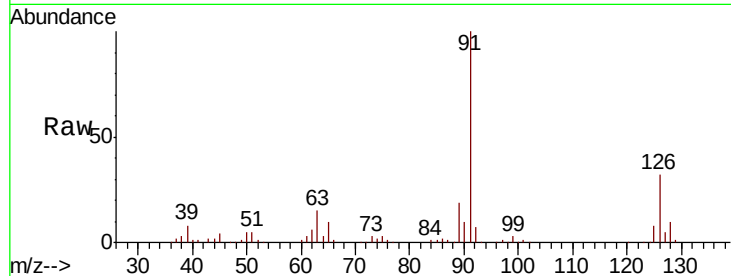
#79
2-Chlorotoluene
Concen: 48.316 ug/l
RT: 10.66 min Scan# 2951
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 255097
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.1

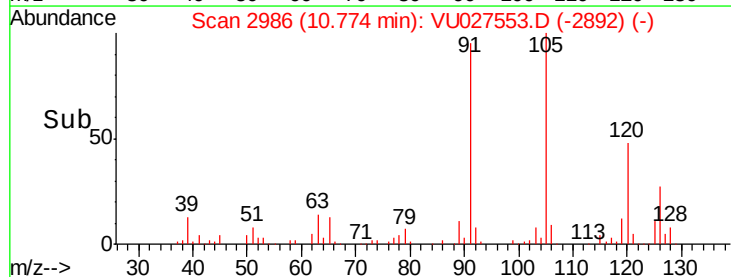
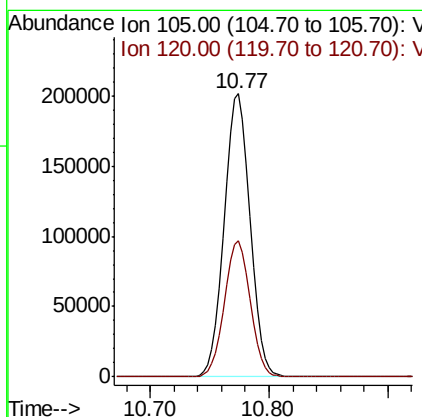
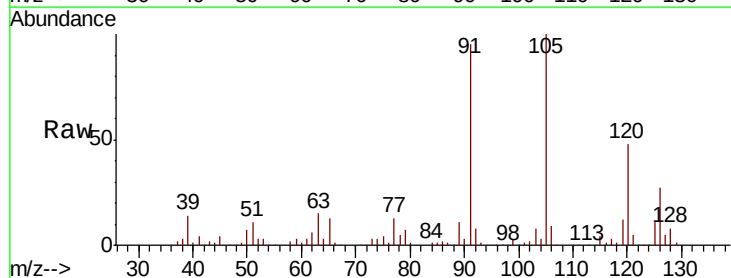
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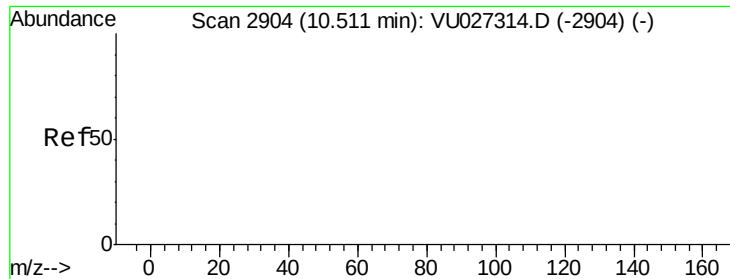
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#80
1,3,5-Trimethylbenzene
Concen: 51.323 ug/l
RT: 10.77 min Scan# 2986
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion: 105 Resp: 304068
Ion Ratio Lower Upper
105 100
120 47.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 47.412 ug/l

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

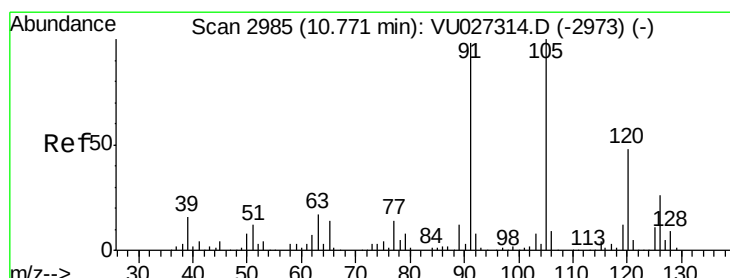
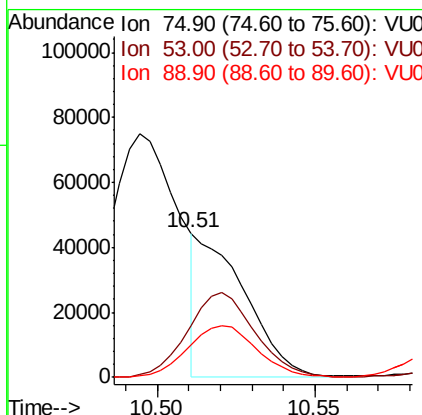
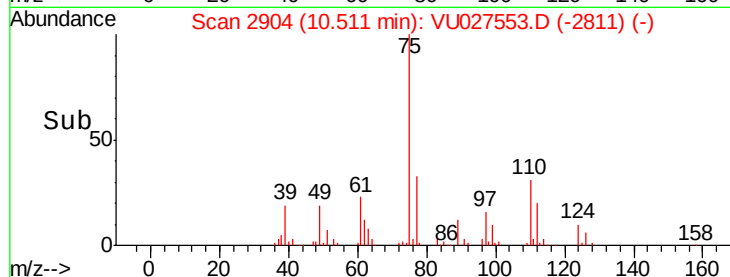
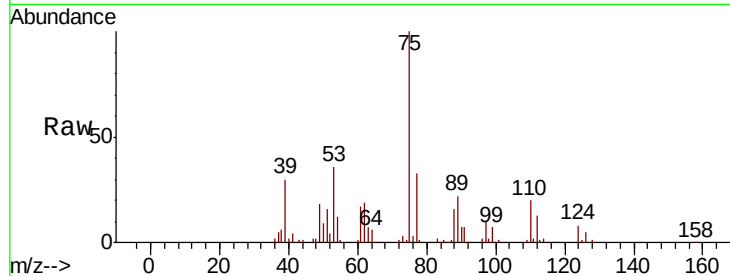
Instrument :
MSVOA_U

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 49.049 ug/l

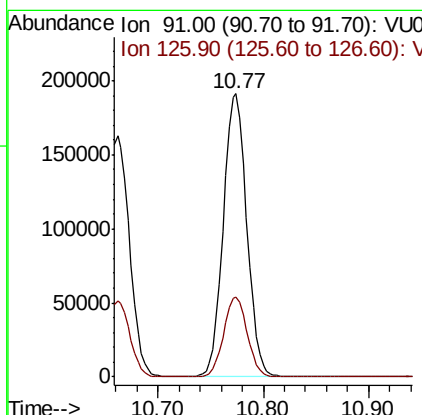
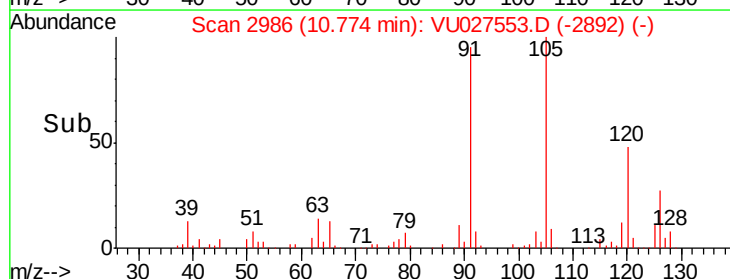
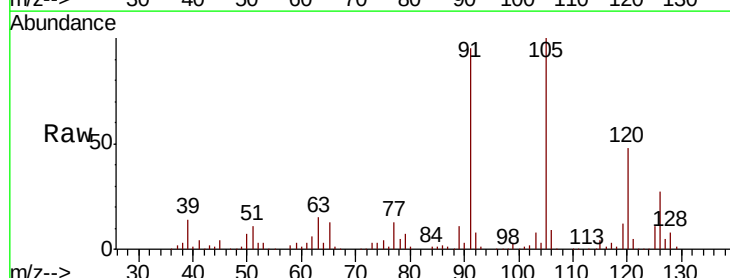
RT: 10.77 min Scan# 2986

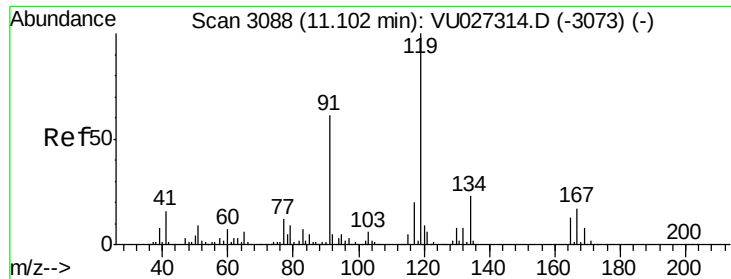
Delta R.T. 0.00 min

Lab File: VU027553.D

Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.4	13.6	40.8





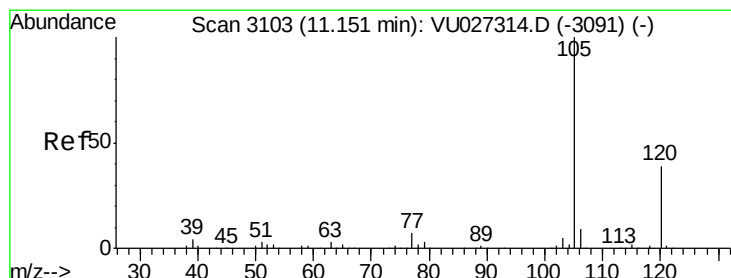
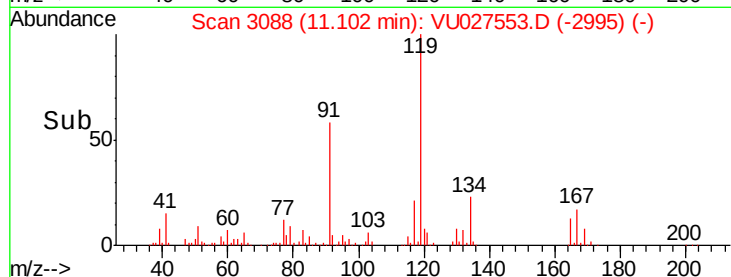
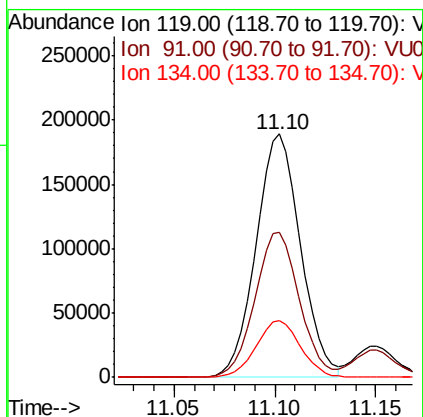
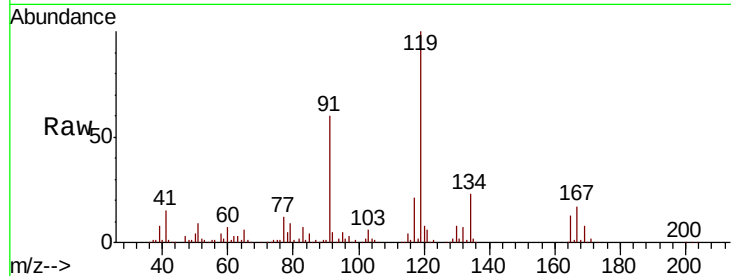
#83
tert-Butylbenzene
Concen: 50.878 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.5	30.3	91.0
134	23.2	11.5	34.4

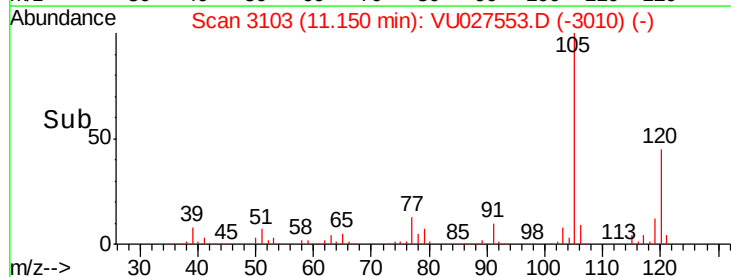
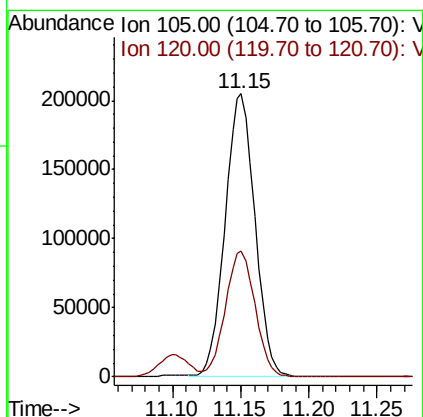
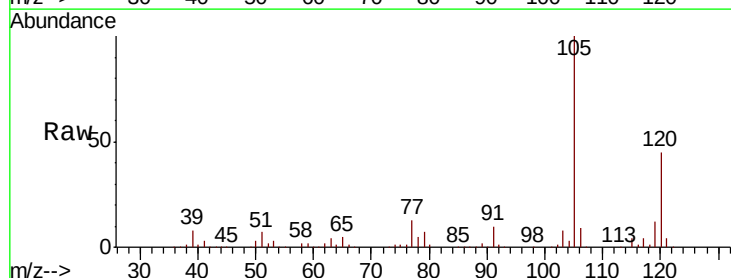
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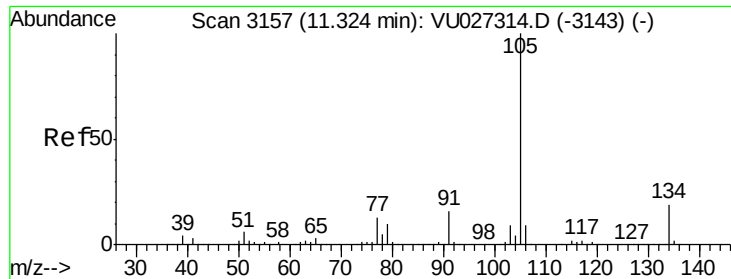
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#84
1,2,4-Trimethylbenzene
Concen: 51.298 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





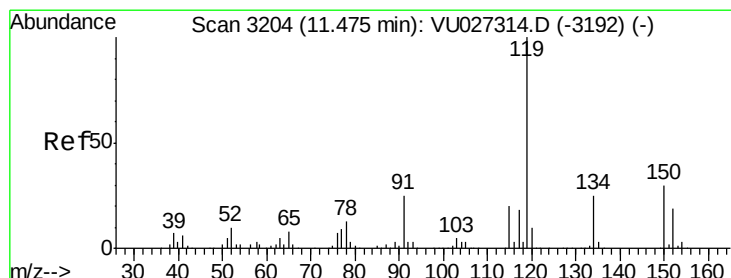
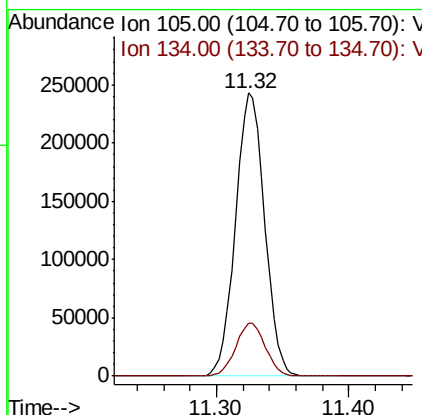
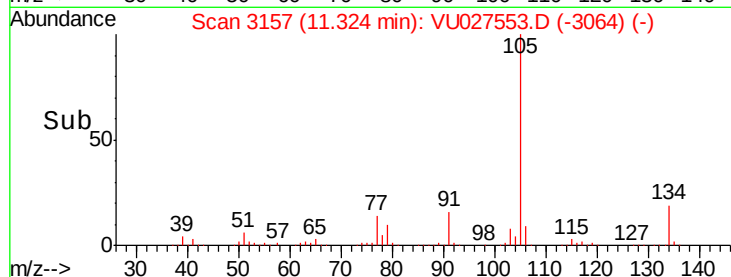
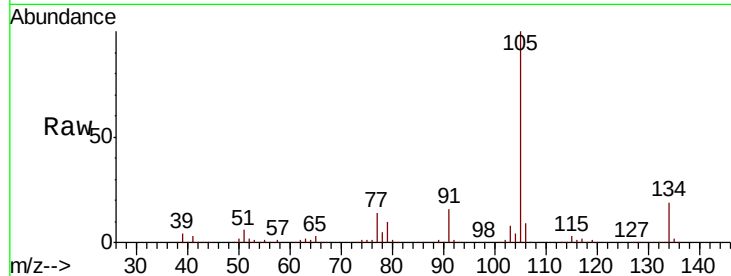
#85
 sec-Butylbenzene
 Concen: 51.253 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.6

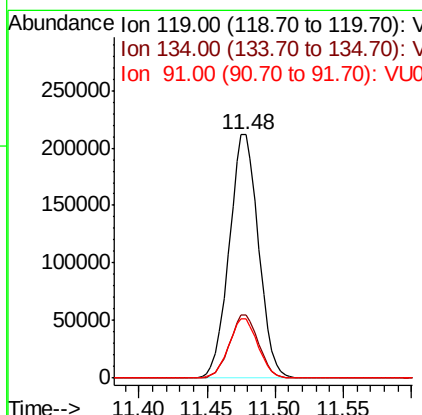
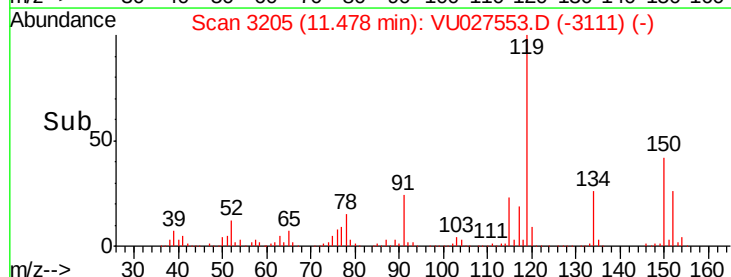
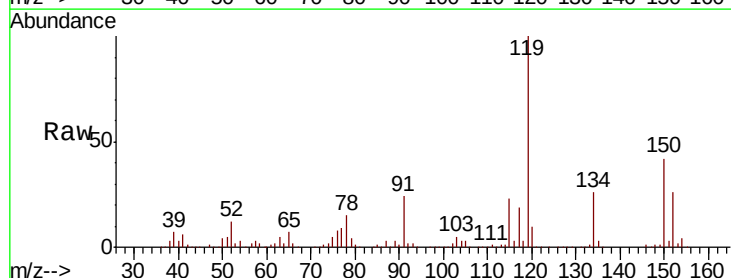
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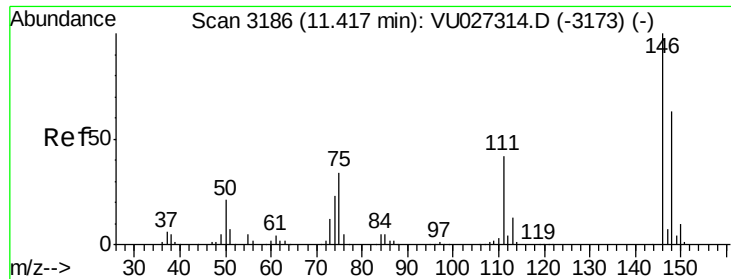
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#86
 p-Isopropyltoluene
 Concen: 50.962 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.7	38.1
91	24.4	12.2	36.4





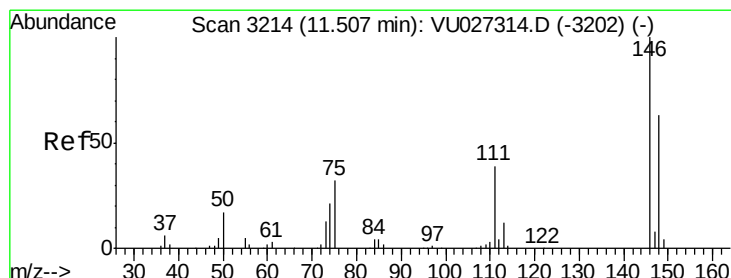
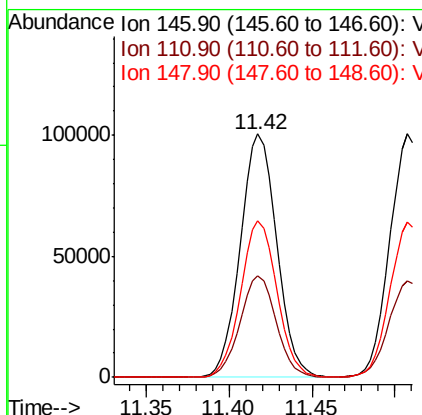
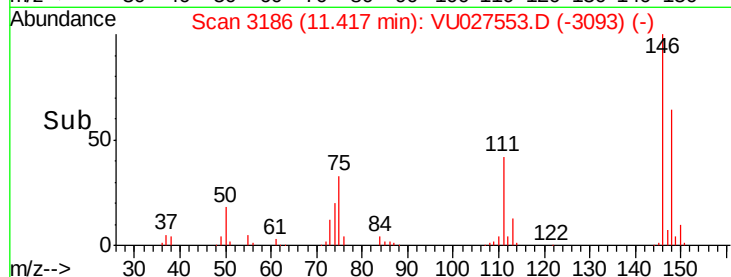
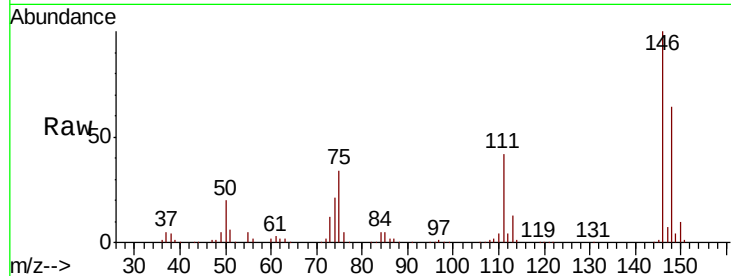
#87
 1,3-Dichlorobenzene
 Concen: 48.130 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.8	62.5
148	64.0	31.6	94.8

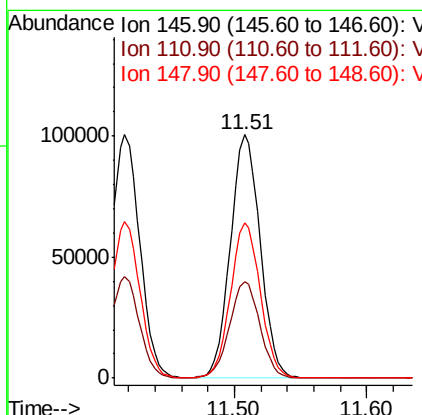
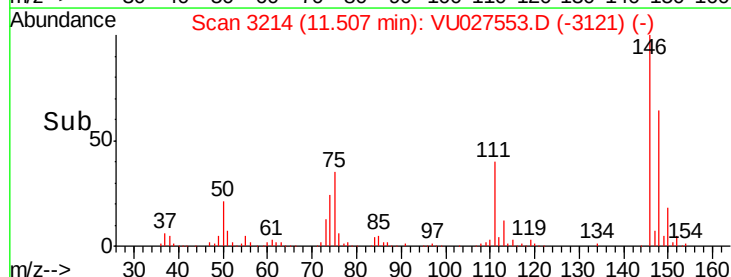
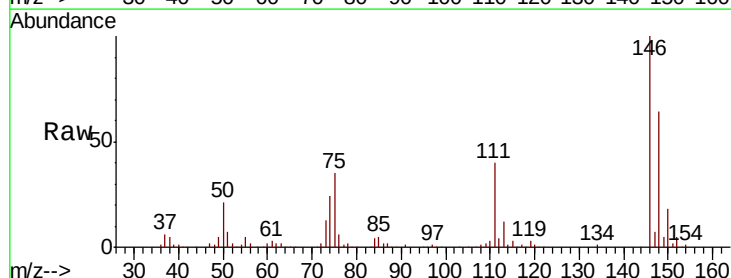
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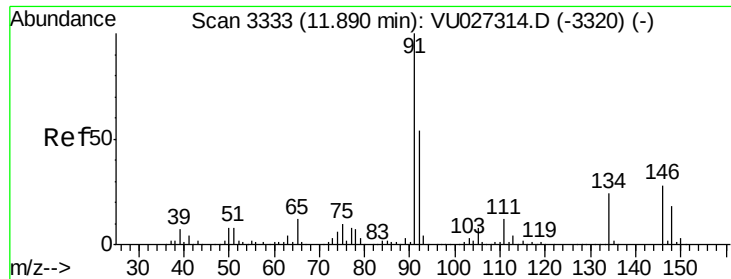
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#88
 1,4-Dichlorobenzene
 Concen: 48.072 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.4	61.2
148	63.9	31.9	95.5





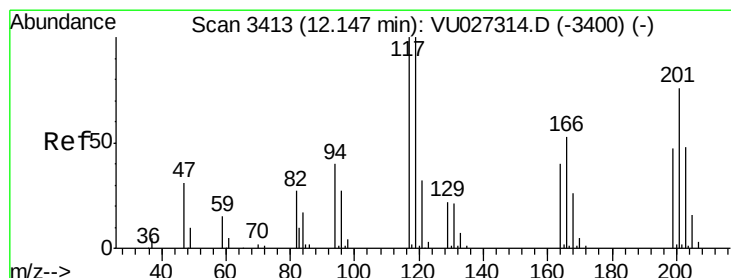
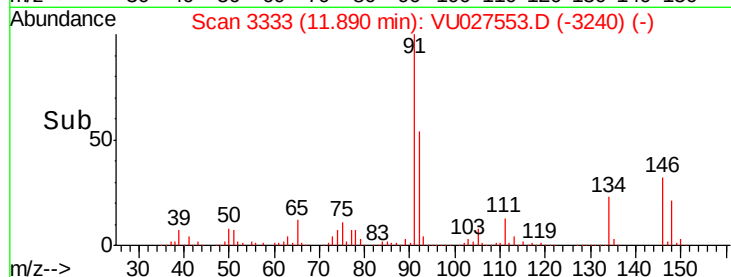
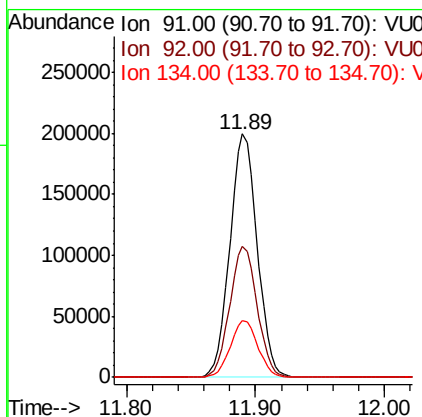
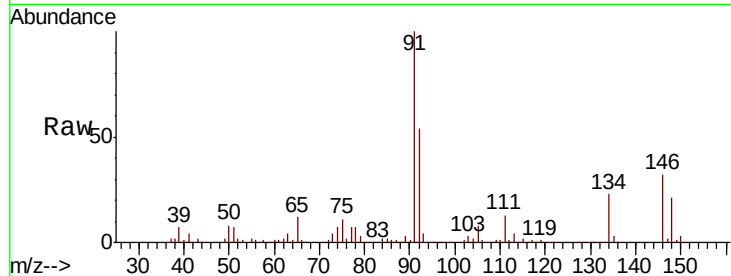
#89
n-Butylbenzene
Concen: 44.838 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.0	81.0
134	23.6	11.7	35.1

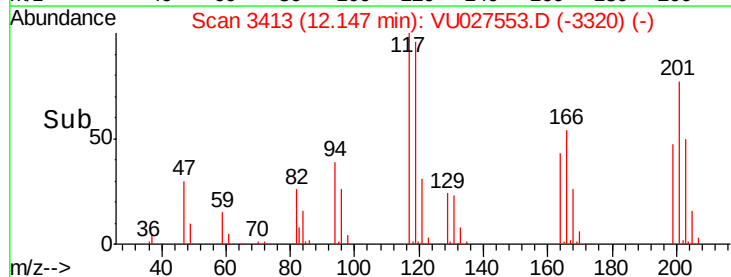
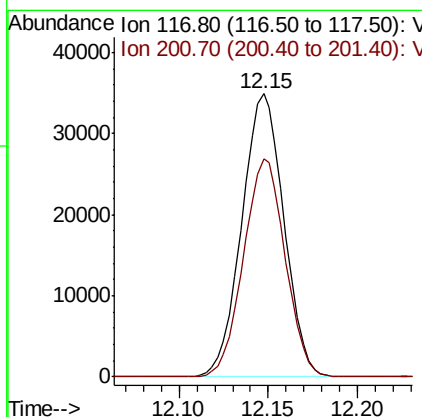
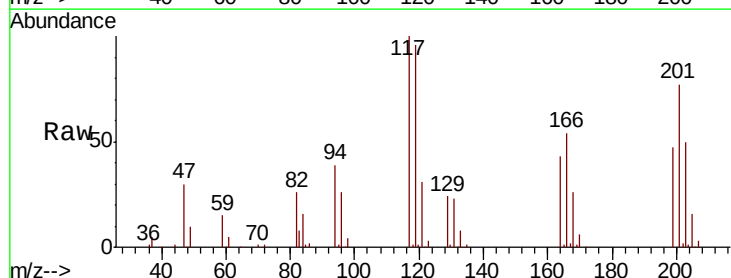
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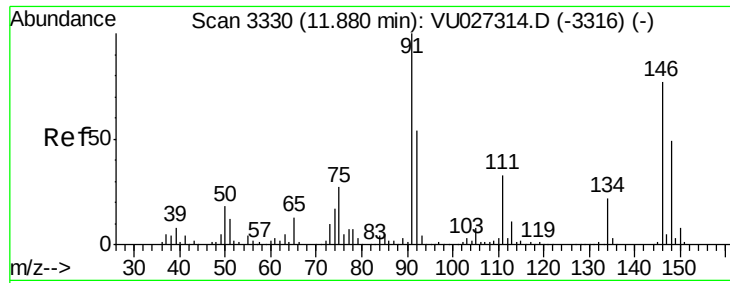
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#90
Hexachloroethane
Concen: 49.436 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	37.9	113.6





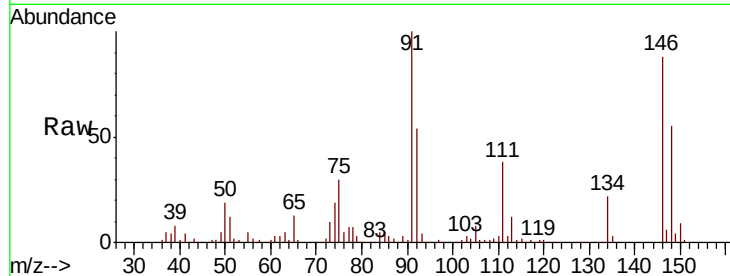
#91
 1,2-Dichlorobenzene
 Concen: 50.429 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

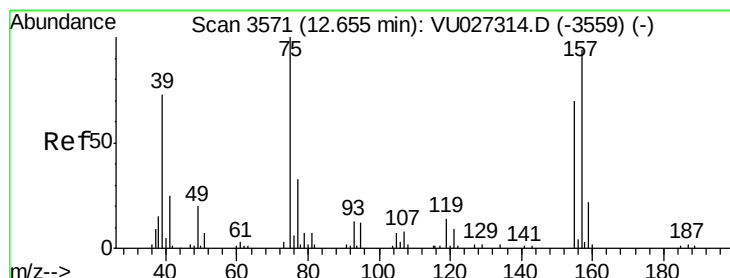
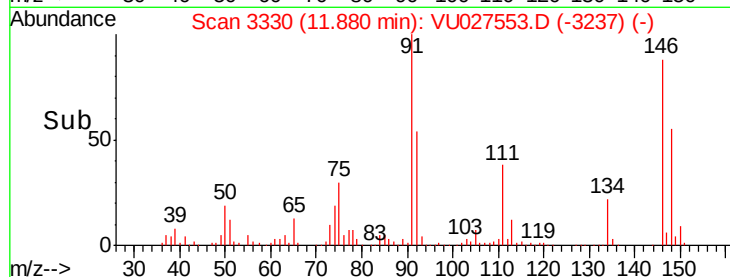
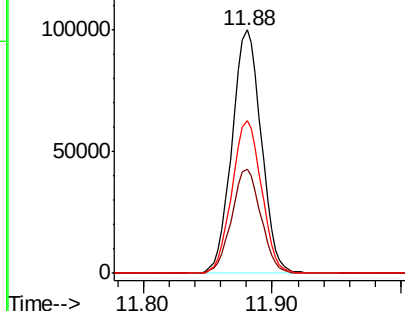
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.8	65.4
148	63.4	31.9	95.5

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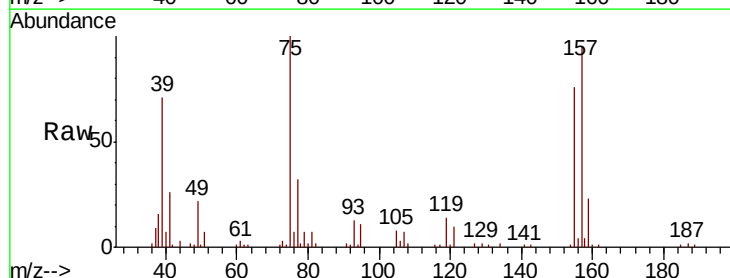


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

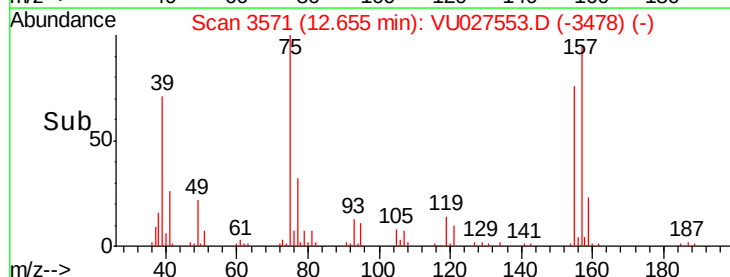
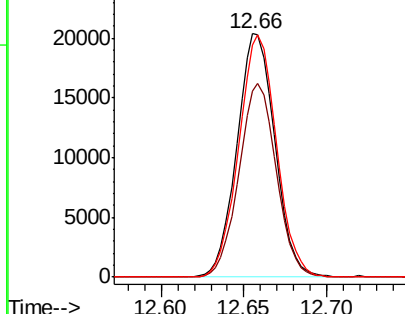


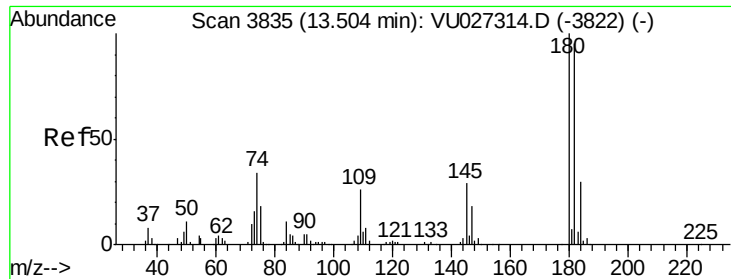
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.164 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	35.9	107.8
157	98.9	46.9	140.6



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





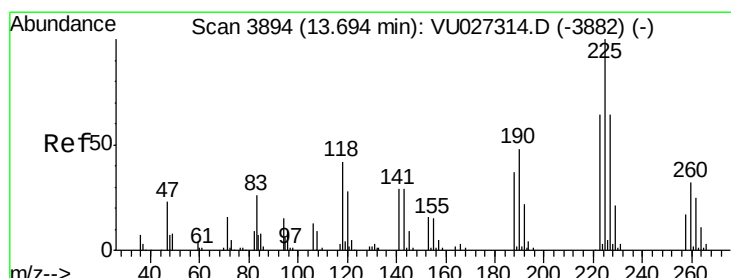
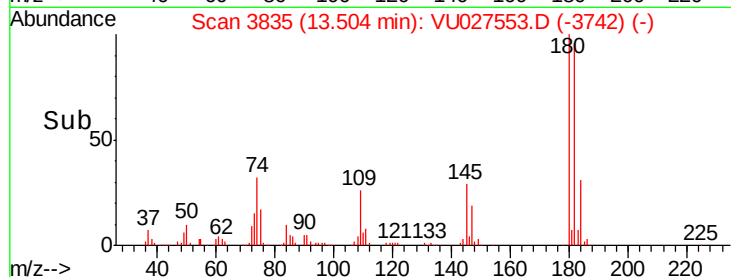
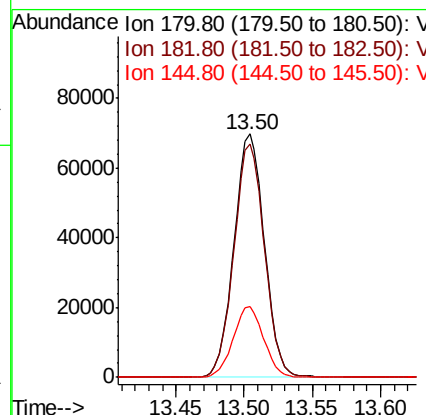
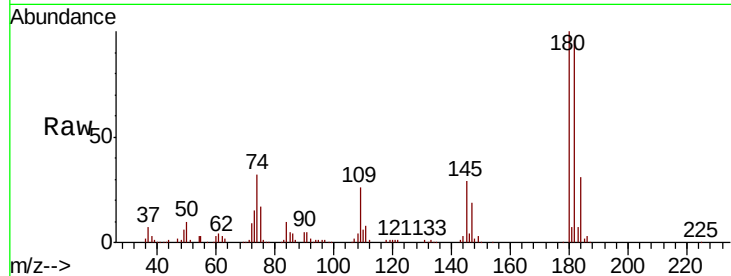
#93
 1,2,4-Trichlorobenzene
 Concen: 53.682 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.4	142.3
145	29.1	14.6	44.0

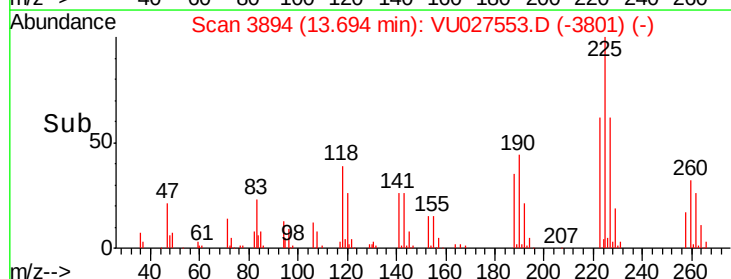
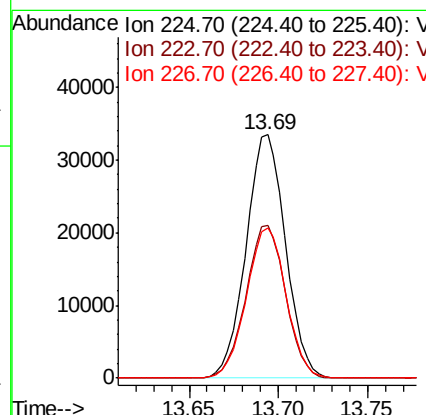
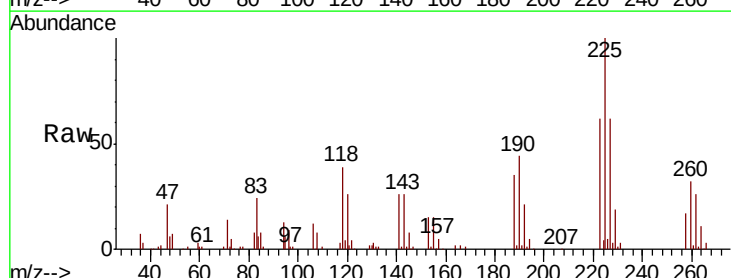
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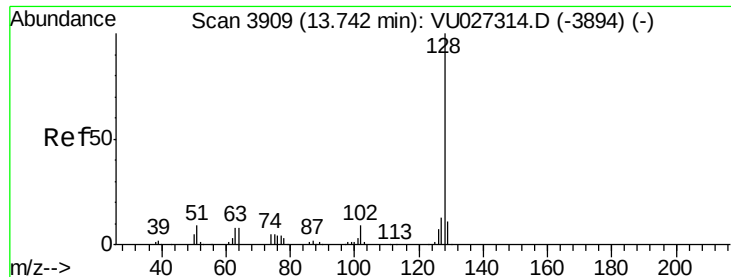
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 10/11/2018 9:01:44 AM



#94
 Hexachlorobutadiene
 Concen: 50.726 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027553.D
 Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.8	95.3
227	61.8	31.9	95.7





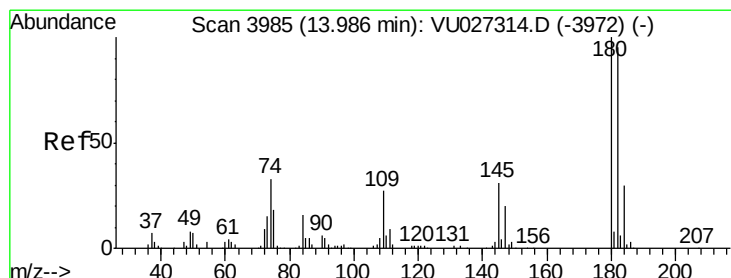
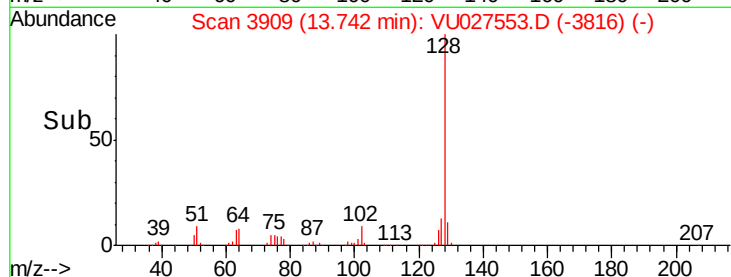
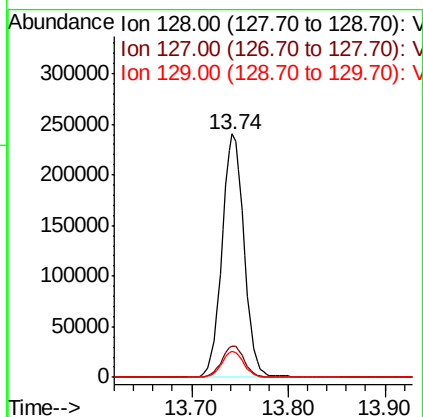
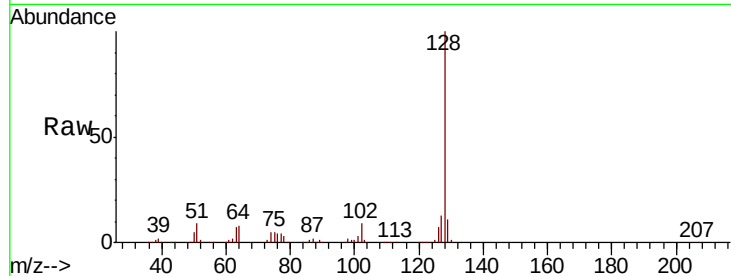
#95
Naphthalene
Concen: 50.145 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/11/2018 9:01:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 53.644 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027553.D
Acq: 10 Oct 2018 03:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.2
145	31.0	15.9	47.7

