

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101018\
 Data File : VU027555.D
 Acq On : 10 Oct 2018 08:07
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:52 AM

Quant Time: Oct 11 04:40:52 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	4.98	168	130756	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	216755	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	198713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	101481	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	90691	41.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.08%	
35) Dibromofluoromethane	4.88	113	67209	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
50) Toluene-d8	7.57	98	253584	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	
62) 4-Bromofluorobenzene	10.31	95	93692	45.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	85243	45.219	ug/l	99
3) Chloromethane	1.33	50	109176	42.777	ug/l	97
4) Vinyl Chloride	1.40	62	106128	44.236	ug/l	99
5) Bromomethane	1.61	94	65326	62.928	ug/l	99
6) Chloroethane	1.69	64	58883	40.844	ug/l	97
7) Trichlorofluoromethane	1.88	101	112974	46.410	ug/l	100
8) Diethyl Ether	2.11	74	51229	45.685	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	67164	47.510	ug/l	99
10) Methyl Iodide	2.41	142	64178	51.566	ug/l	99
11) Tert butyl alcohol	2.83	59	105451	229.347	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62911	45.549	ug/l	99
13) Acrolein	2.20	56	64567	167.355	ug/l	99
14) Allyl chloride	2.59	41	147002	44.820	ug/l	98
15) Acrylonitrile	2.94	53	280793	234.639	ug/l	99
16) Acetone	2.32	43	284892	220.869	ug/l	99
17) Carbon Disulfide	2.48	76	198002	39.749	ug/l	99
18) Methyl Acetate	2.62	43	151425	51.461	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	259304	46.855	ug/l	99
20) Methylene Chloride	2.70	84	80620	44.871	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	68378	44.096	ug/l	100
22) Diisopropyl ether	3.58	45	305675	45.854	ug/l	99
23) Vinyl Acetate	3.53	43	1302466	223.726	ug/l	99
24) 1,1-Dichloroethane	3.45	63	157660	46.005	ug/l	100
25) 2-Butanone	4.26	43	408683	232.347	ug/l	99
26) 2,2-Dichloropropane	4.23	77	127679	45.341	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	81383	45.894	ug/l	98
28) Bromochloromethane	4.55	49	79203	47.904	ug/l	96
29) Tetrahydrofuran	4.64	42	257793	232.559	ug/l	98
30) Chloroform	4.67	83	139985	45.976	ug/l	98
31) Cyclohexane	5.00	56	144969	41.357	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	117036	45.640	ug/l	98
36) 1,1-Dichloropropene	5.14	75	109122	46.366	ug/l	99
37) Ethyl Acetate	4.38	43	144024	47.351	ug/l	100
38) Carbon Tetrachloride	5.13	117	100664	47.351	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	128337	46.649	ug/l	97
40) Benzene	5.39	78	322448	47.036	ug/l	99
41) Methacrylonitrile	4.54	41	82479	47.976	ug/l	99
42) 1,2-Dichloroethane	5.40	62	118176	46.441	ug/l	99
43) Isopropyl Acetate	5.55	43	229562	48.595	ug/l	99
44) Trichloroethene	6.19	130	72167	47.210	ug/l	99
45) 1,2-Dichloropropane	6.43	63	94663	47.874	ug/l	97
46) Dibromomethane	6.56	93	54318	48.639	ug/l	99
47) Bromodichloromethane	6.76	83	109488	47.249	ug/l	100
48) Methyl methacrylate	6.62	41	115193	49.036	ug/l	99
49) 1,4-Dioxane	6.61	88	40673	1006.277	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	743909	242.340	ug/l	99
52) Toluene	7.64	92	191770	47.261	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	132338	48.708	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	141576	48.472	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	79772	49.585	ug/l	97
56) Ethyl methacrylate	8.02	69	134320	43.889	ug/l	99
57) 1,3-Dichloropropane	8.24	76	146585	46.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	377485	224.002	ug/l	98
59) 2-Hexanone	8.36	43	588916	247.316	ug/l	99
60) Dibromochloromethane	8.48	129	79900	49.518	ug/l	98
61) 1,2-Dibromoethane	8.59	107	81495	47.644	ug/l	99
64) Tetrachloroethene	8.23	164	59600	48.180	ug/l	98
65) Chlorobenzene	9.12	112	202759	48.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	71939	49.821	ug/l	99
67) Ethyl Benzene	9.25	91	365944	49.381	ug/l	99
68) m/p-Xylenes	9.38	106	274060	101.103	ug/l	98
69) o-Xylene	9.78	106	133296	51.746	ug/l	97
70) Styrene	9.79	104	224309	46.741	ug/l	99
71) Bromoform	9.96	173	59684	51.374	ug/l #	100
73) Isopropylbenzene	10.17	105	361258	49.015	ug/l	99
74) N-amyl acetate	10.02	43	202504	47.993	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	136793	47.267	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	117583m	44.698	ug/l	
77) Bromobenzene	10.45	156	82122	47.943	ug/l	97
78) n-propylbenzene	10.59	91	438868	49.553	ug/l	100
79) 2-Chlorotoluene	10.66	91	252619	47.241	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	304356	50.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	50481m	50.222	ug/l	
82) 4-Chlorotoluene	10.77	91	297492	49.024	ug/l	99
83) tert-Butylbenzene	11.10	119	292324	50.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	310332	50.628	ug/l	100
85) sec-Butylbenzene	11.32	105	368879	50.468	ug/l	100
86) p-Isopropyltoluene	11.48	119	322770	51.576	ug/l	100
87) 1,3-Dichlorobenzene	11.42	146	155851	48.051	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	158128	47.709	ug/l	100
89) n-Butylbenzene	11.89	91	307044	46.381	ug/l	100
90) Hexachloroethane	12.15	117	57501	48.746	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	155923	49.387	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	31551	49.191	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	110242	53.964	ug/l	99
94) Hexachlorobutadiene	13.69	225	55212	53.493	ug/l	98
95) Naphthalene	13.74	128	369907	48.273	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	111963	52.606	ug/l	99

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

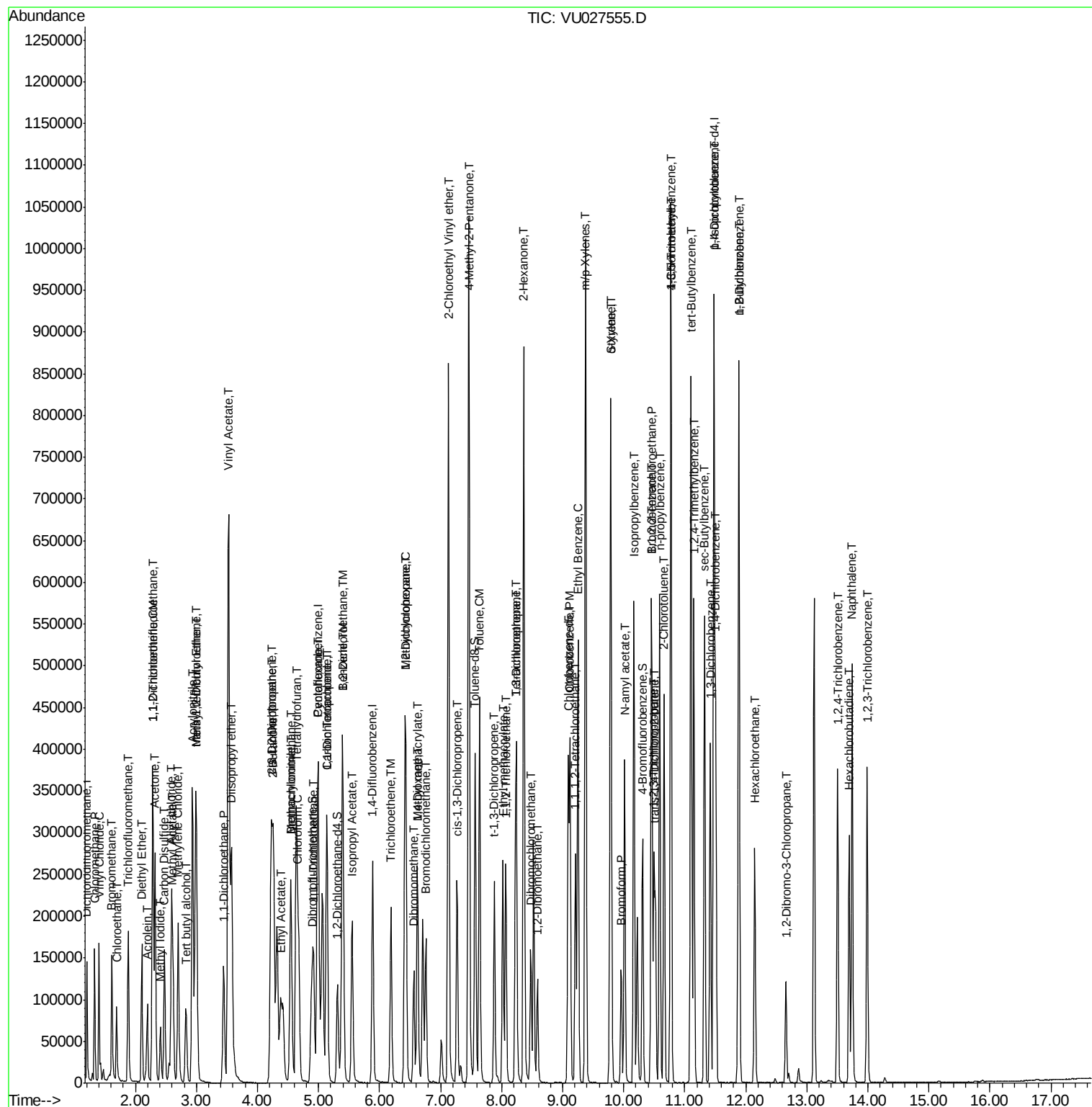
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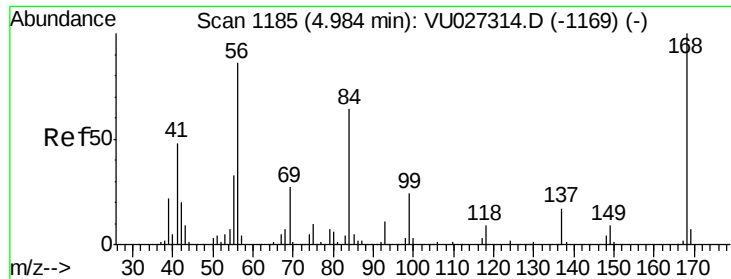
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 130756

Ion Ratio Lower Upper

168 100

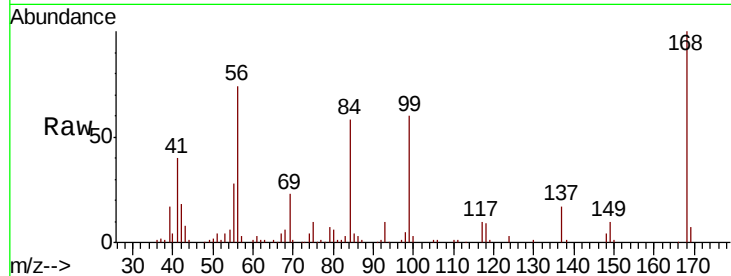
99 59.8 50.8 76.2

Manual Integrations

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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) (-)

4.98

60000

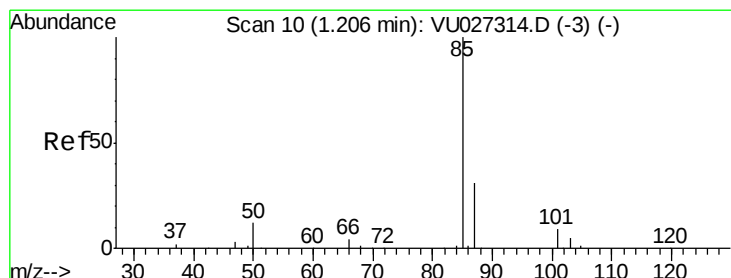
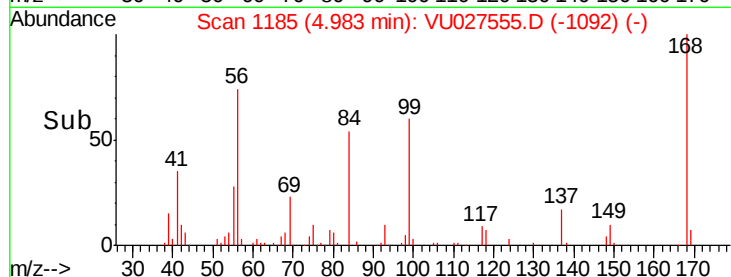
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.219 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027555.D

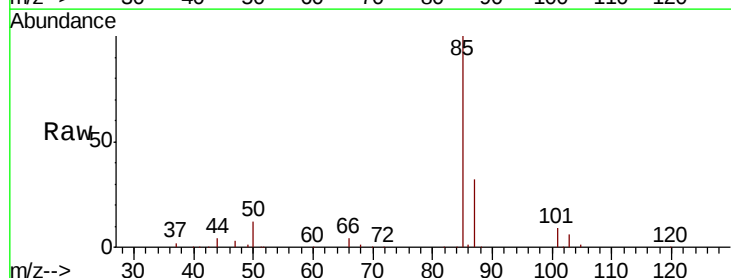
Acq: 10 Oct 2018 08:07

Tgt Ion: 85 Resp: 85243

Ion Ratio Lower Upper

85 100

87 31.9 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

80000

60000

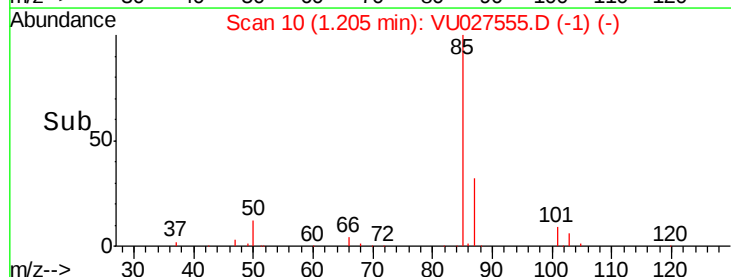
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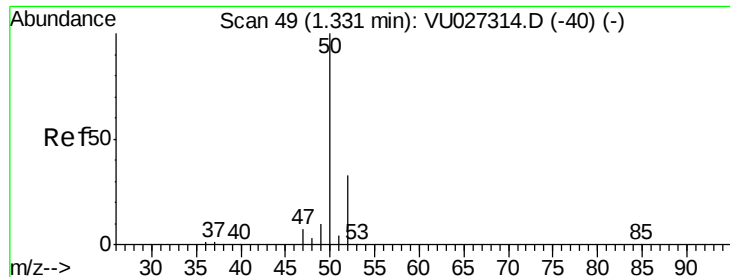
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0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 42.777 ug/l

RT: 1.33 min Scan# 49

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 109176

Ion Ratio Lower Upper

50 100

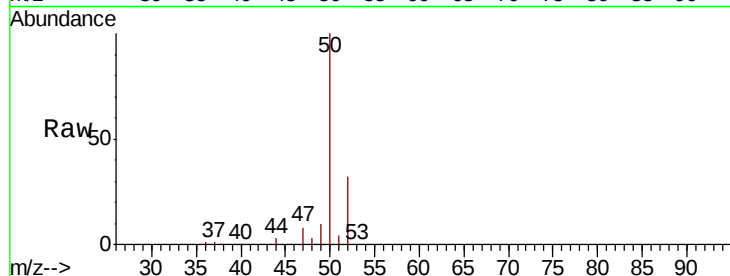
52 31.6 26.5 39.7

Manual Integrations

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

Ion 51.90 (51.60 to 52.60): VU027555.D (-1) (-)

1.33

100000

80000

60000

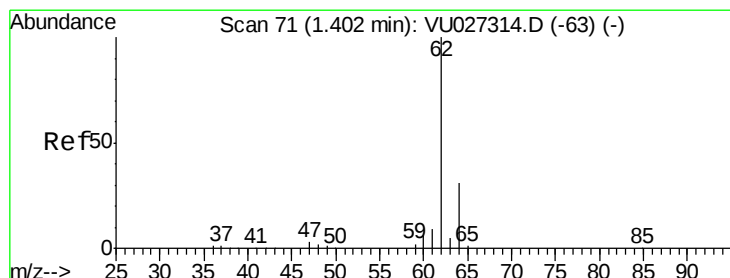
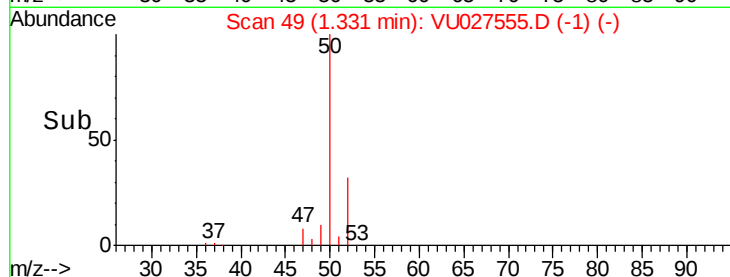
40000

20000

0

1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 44.236 ug/l

RT: 1.40 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU027555.D

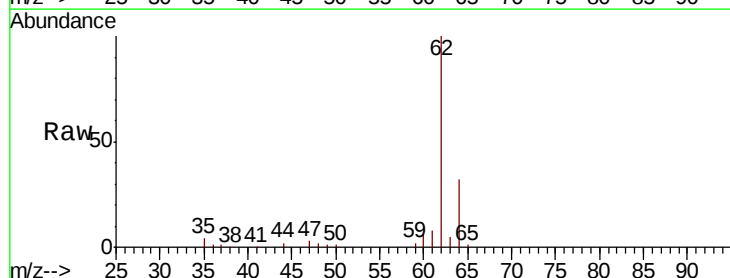
Acq: 10 Oct 2018 08:07

Tgt Ion: 62 Resp: 106128

Ion Ratio Lower Upper

62 100

64 31.6 24.9 37.3



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

Ion 63.90 (63.60 to 64.60): VU027555.D (-1) (-)

1.40

100000

80000

60000

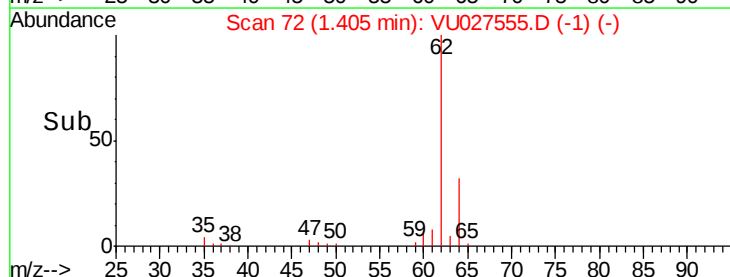
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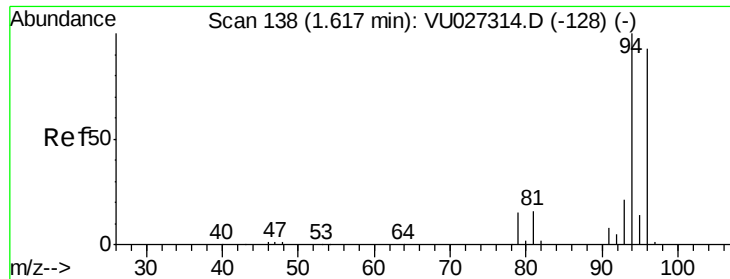
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1.35 1.40 1.45 1.50

Time-->





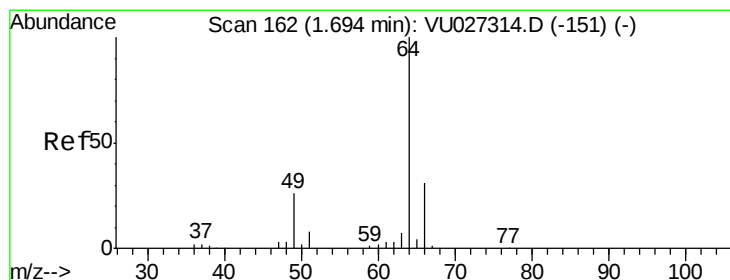
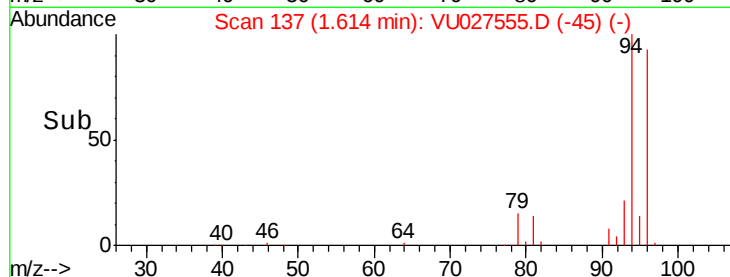
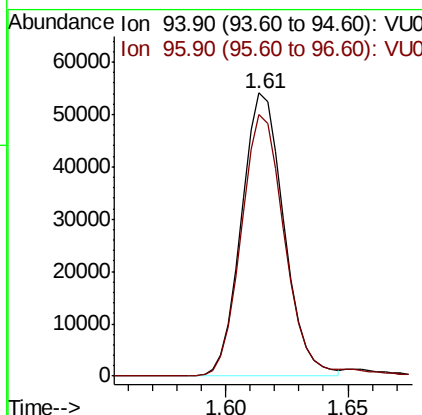
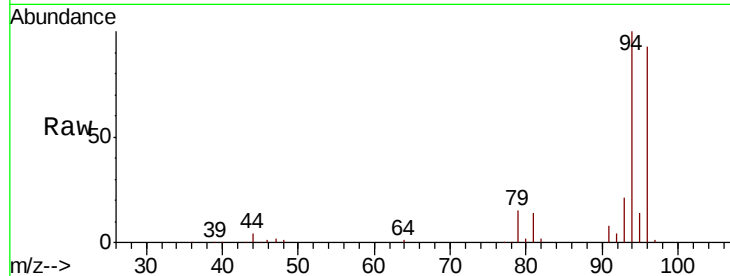
#5
Bromomethane
Concen: 62.928 ug/l
RT: 1.61 min Scan# 137
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 94 Resp: 65326
Ion Ratio Lower Upper
94 100
96 92.6 74.6 111.8

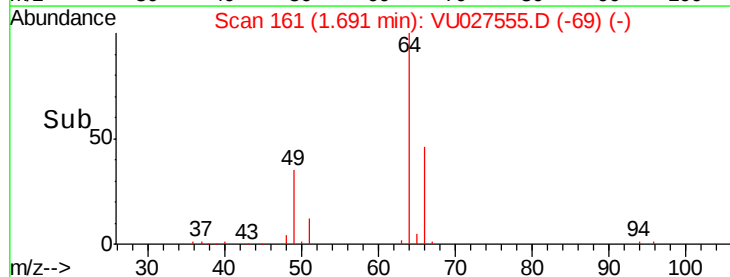
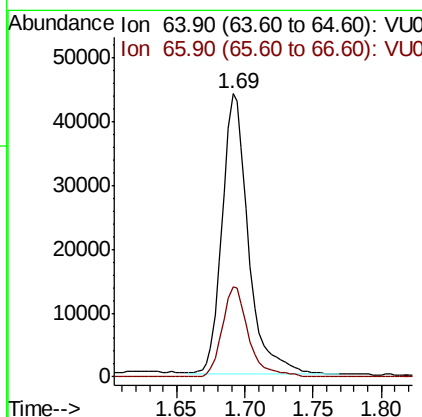
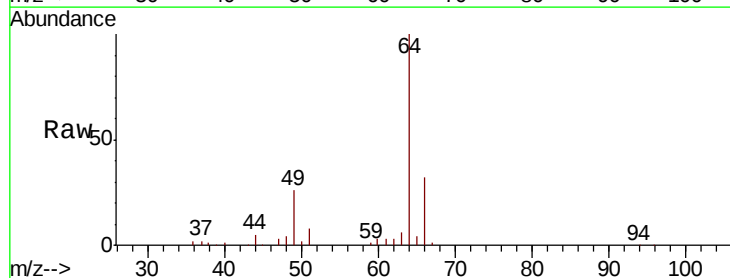
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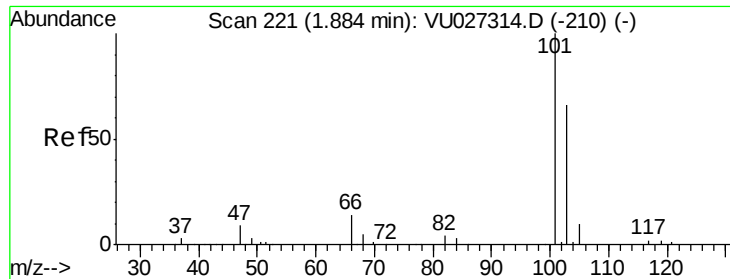
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10/11/2018 9:01:52 AM



#6
Chloroethane
Concen: 40.844 ug/l
RT: 1.69 min Scan# 161
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion: 64 Resp: 58883
Ion Ratio Lower Upper
64 100
66 32.4 24.6 36.8





#7

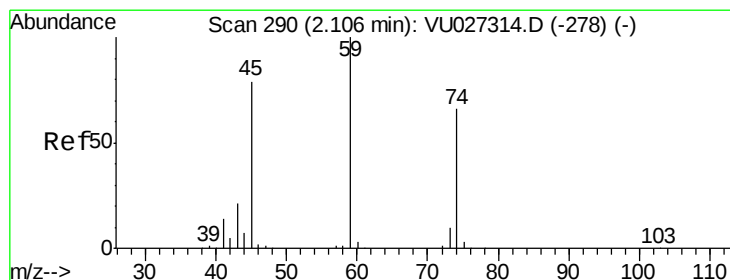
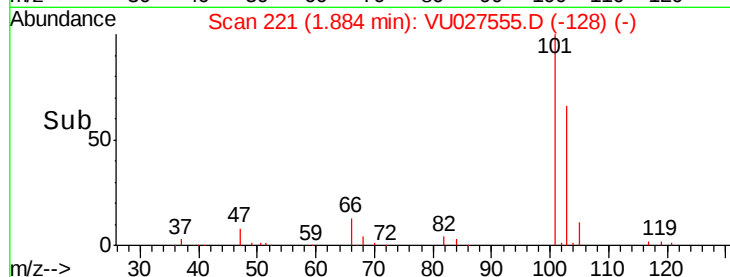
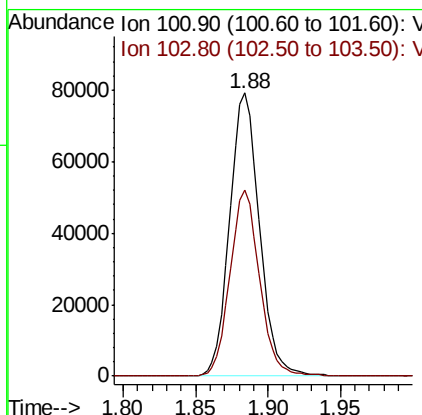
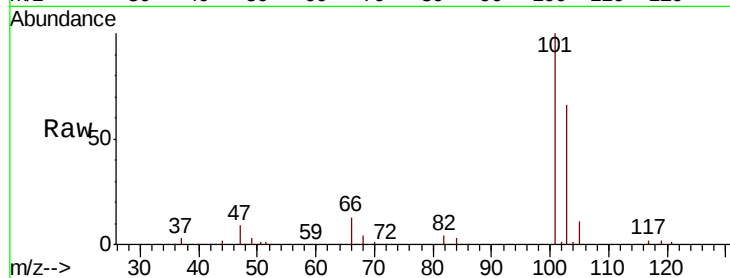
Trichlorofluoromethane
Concen: 46.410 ug/l
RT: 1.88 min Scan# 221
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 112974
Ion Ratio Lower Upper
101 100
103 65.6 52.6 78.8

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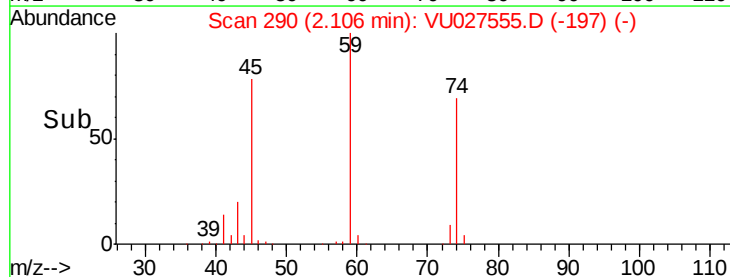
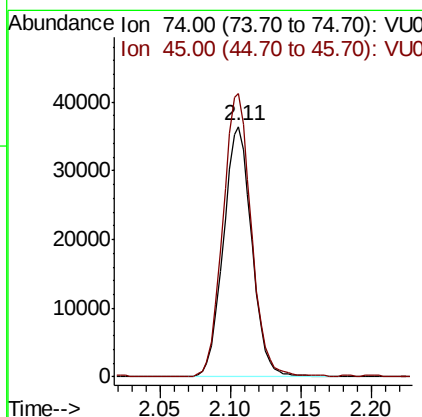
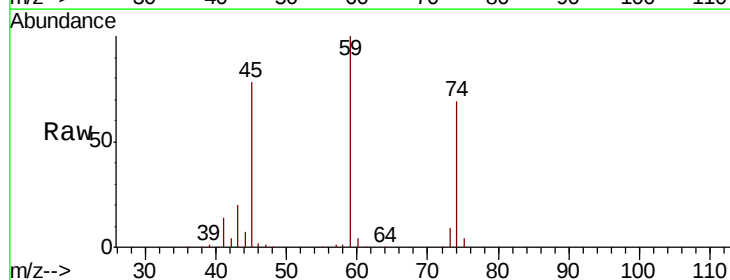
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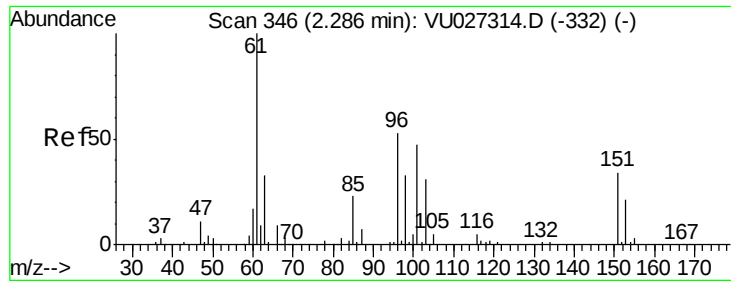


#8

Diethyl Ether
Concen: 45.685 ug/l
RT: 2.11 min Scan# 290
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion: 74 Resp: 51229
Ion Ratio Lower Upper
74 100
45 113.4 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.510 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

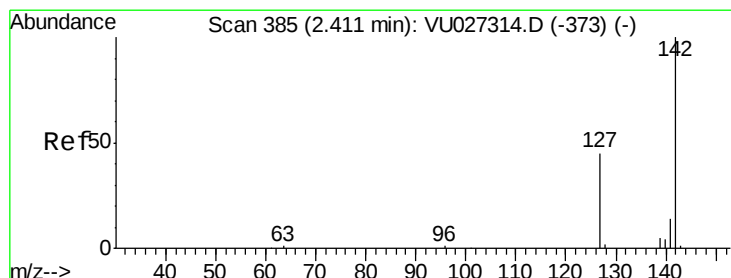
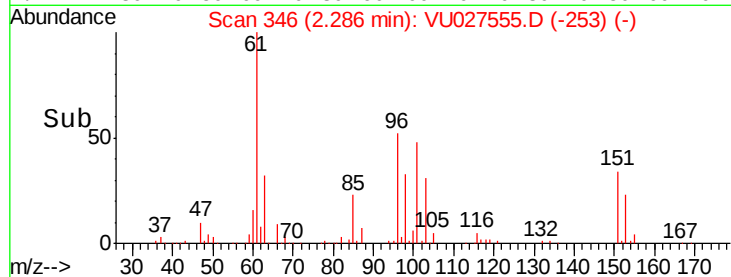
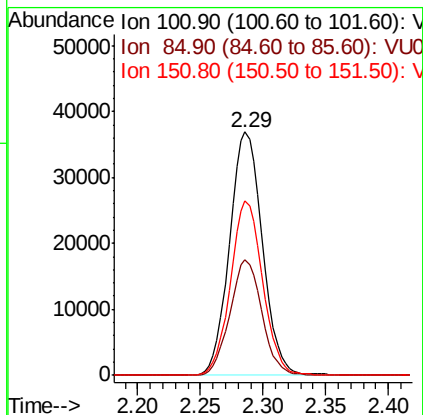
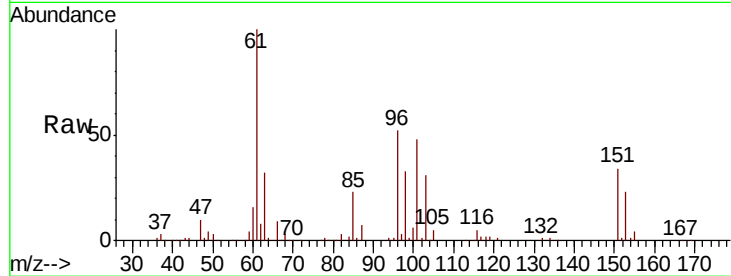
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	67164
Ion Ratio	Lower	Upper	
101	100		
85	46.1	37.5	56.3
151	70.0	55.6	83.4

Manual Integrations
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#10

Methyl Iodide

Concen: 51.566 ug/l

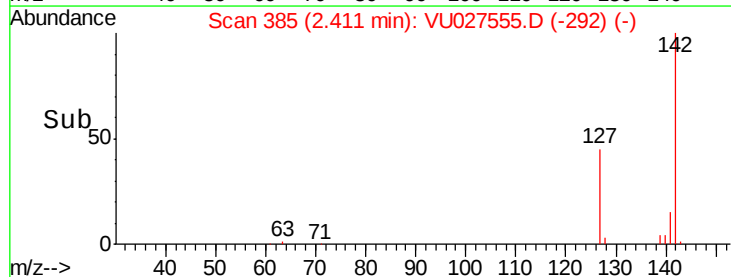
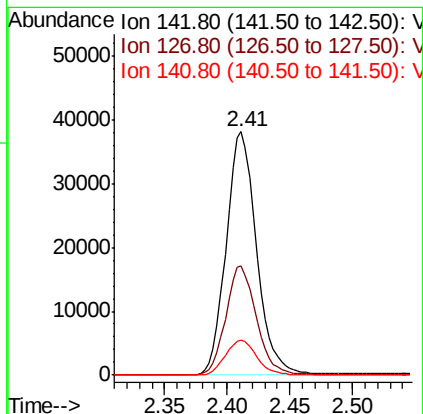
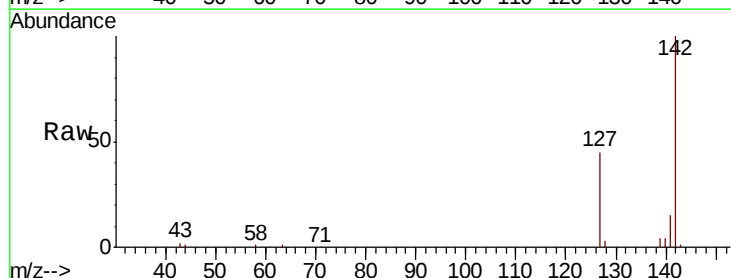
RT: 2.41 min Scan# 385

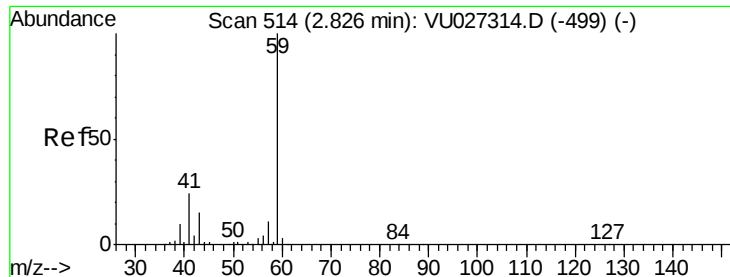
Delta R.T. 0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Tgt Ion:	142	Resp:	64178
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.3	54.5
141	15.0	11.6	17.4





#11

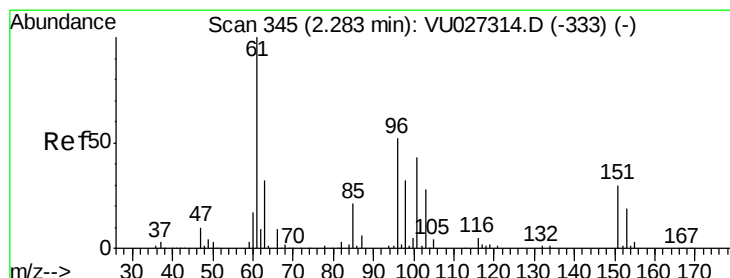
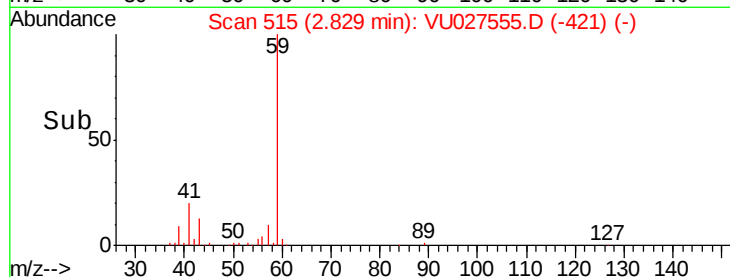
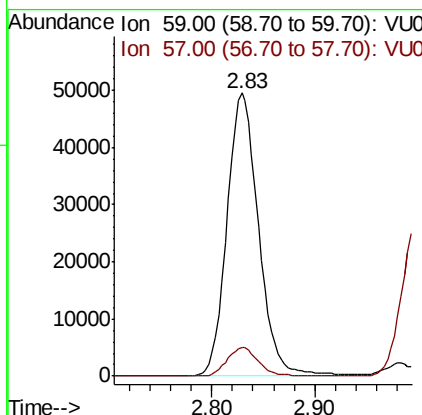
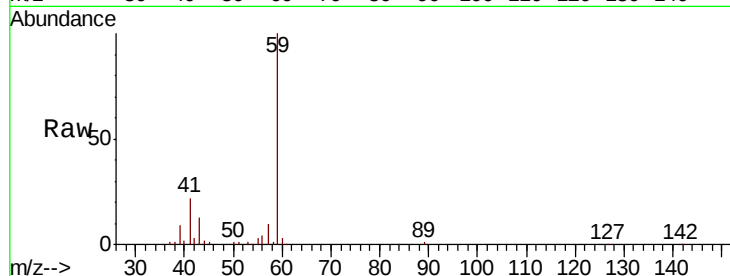
Tert butyl alcohol
Concen: 229.347 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.0	Resp	105451	Lower	Upper

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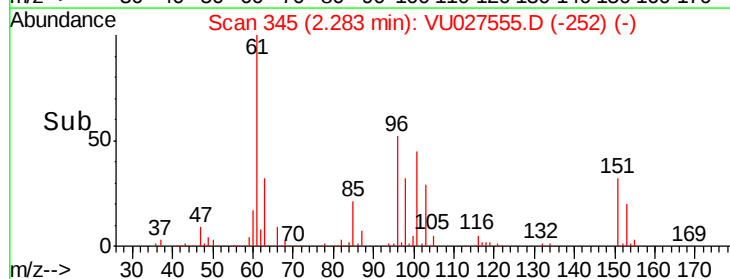
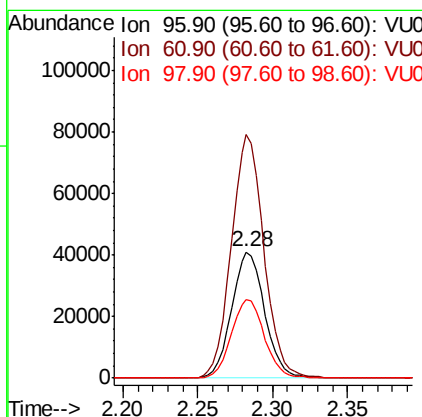
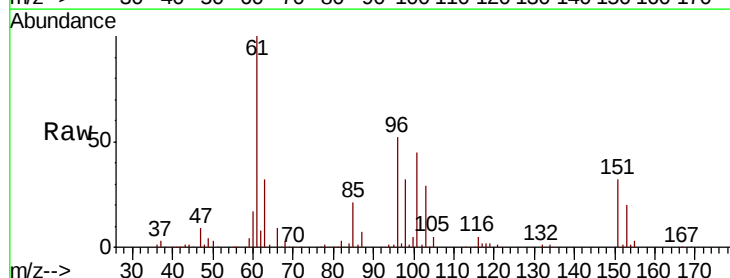
MMDadoda
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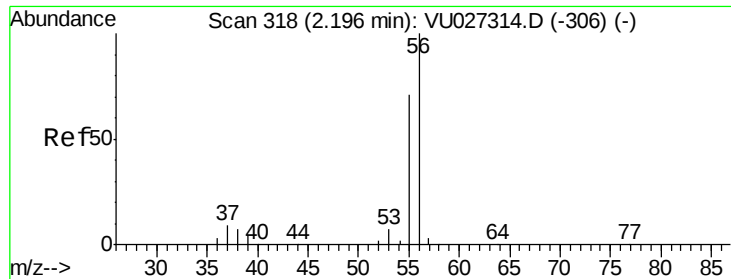


#12

1,1-Dichloroethene
Concen: 45.549 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	96	61	98	Ratio	100	192.5	62.4	Resp	62911	Lower	Upper





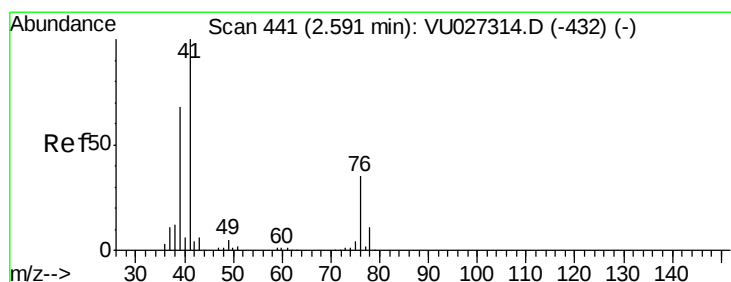
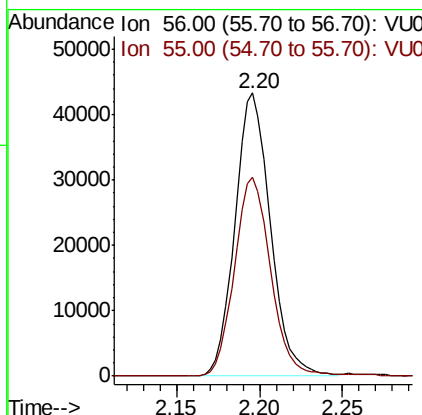
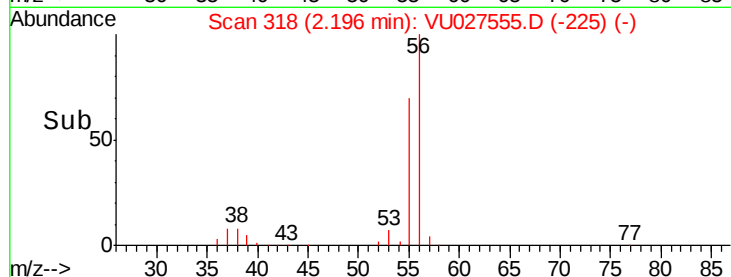
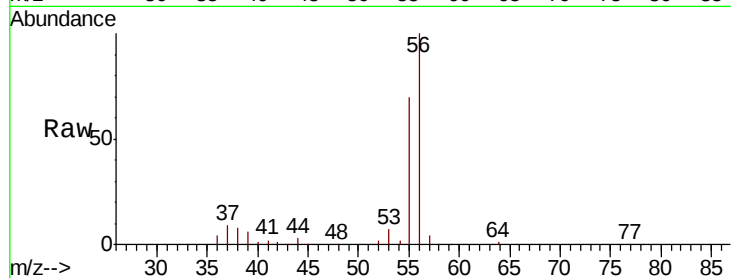
#13
Acrolein
Concen: 167.355 ug/l
RT: 2.20 min Scan# 318
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
64567	100	71.6		57.7	86.5

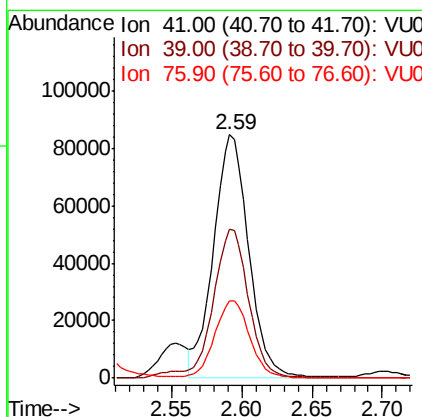
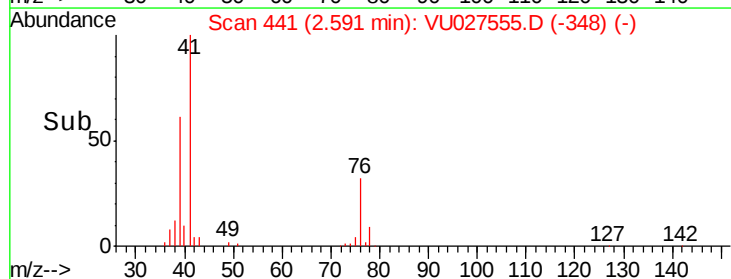
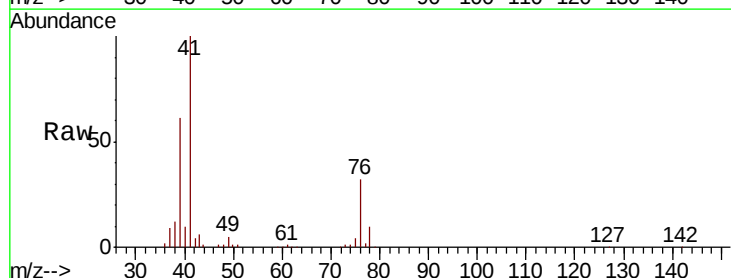
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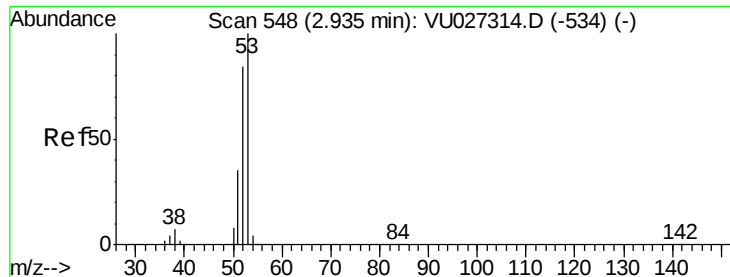
MMDadoda
10/11/2018 9:01:52 AM



#14
Allyl chloride
Concen: 44.820 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	41	39	76	Resp	Lower	Upper
147002	100	62.7	31.9		51.8	77.8





#15

Acrylonitrile

Concen: 234.639 ug/l

RT: 2.94 min Scan# 548

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

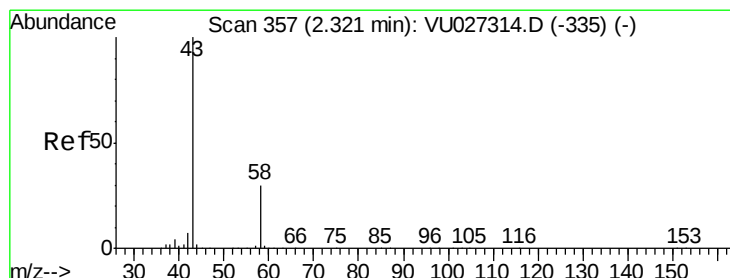
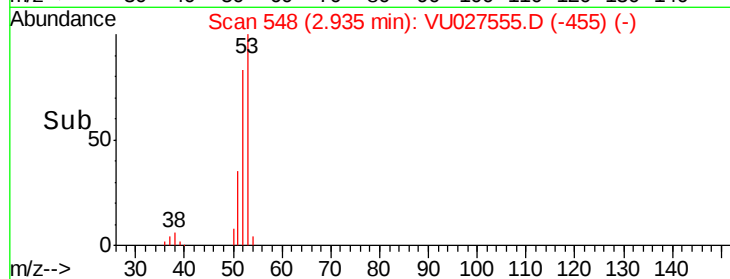
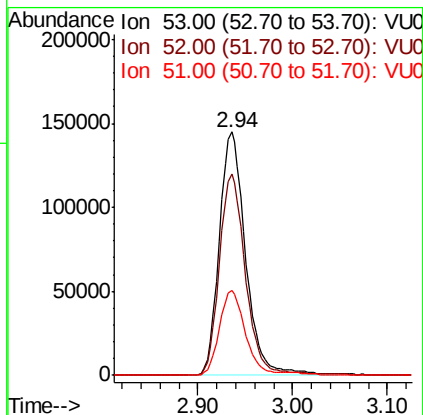
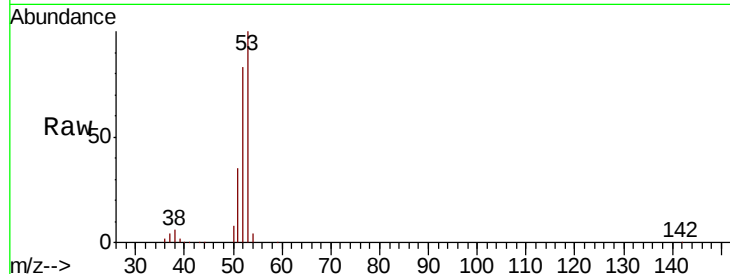
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	280793
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: 220.869 ug/l

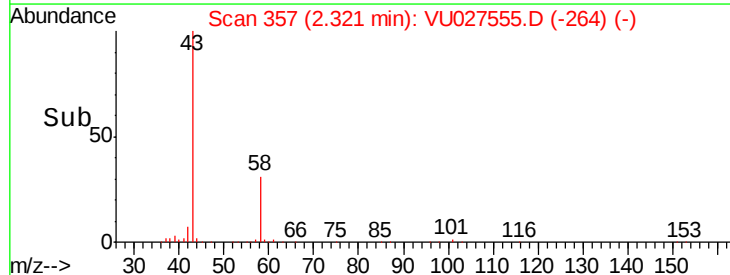
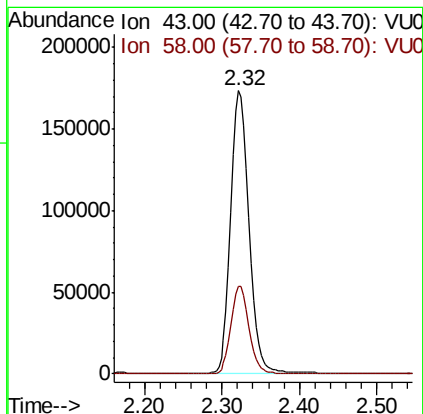
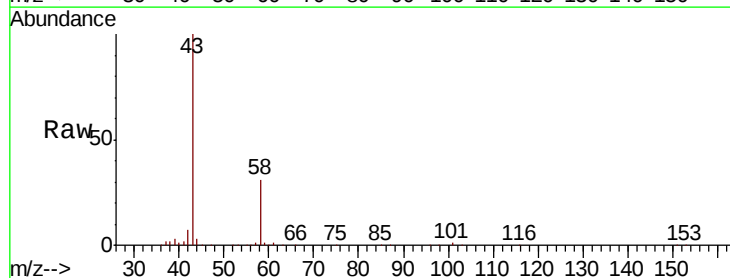
RT: 2.32 min Scan# 357

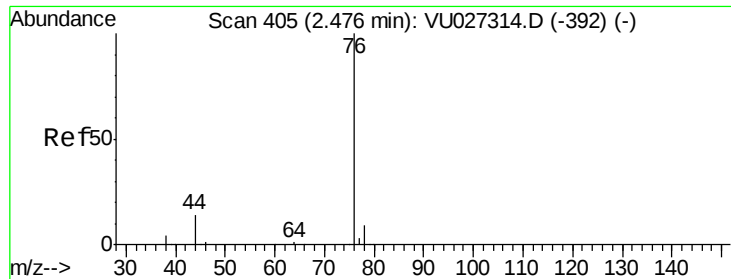
Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Tgt Ion:	43	Resp:	284892
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.2	36.4





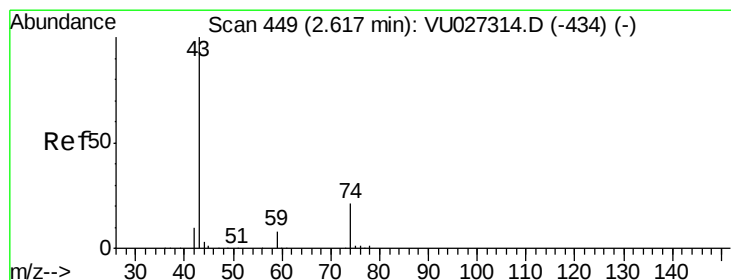
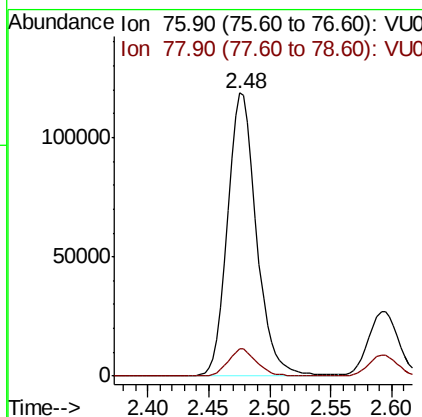
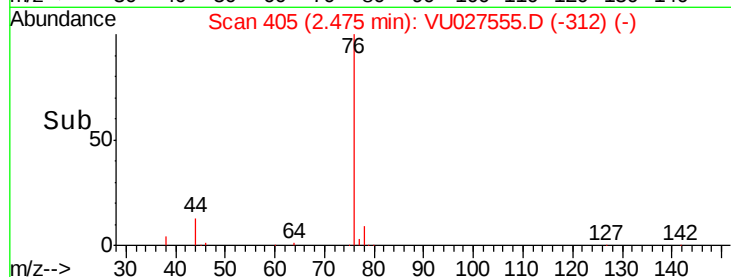
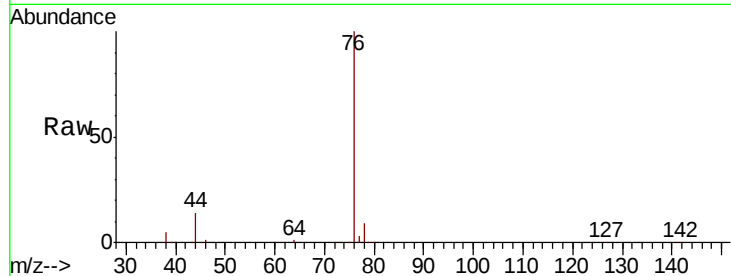
#17
Carbon Disulfide
Concen: 39.749 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

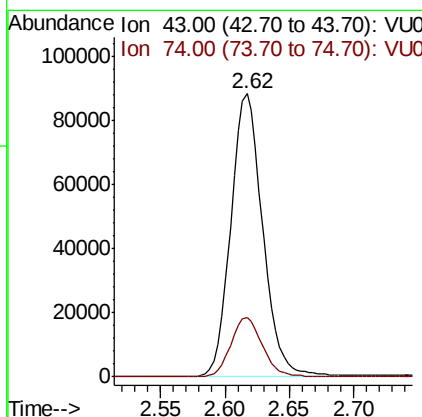
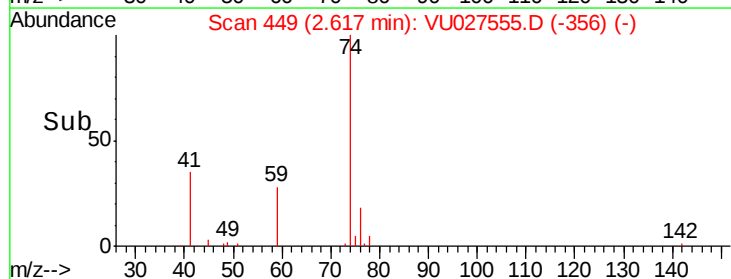
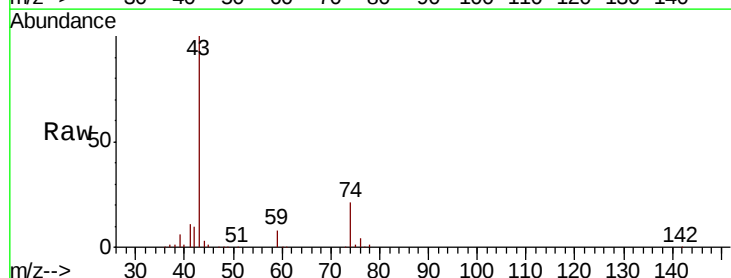
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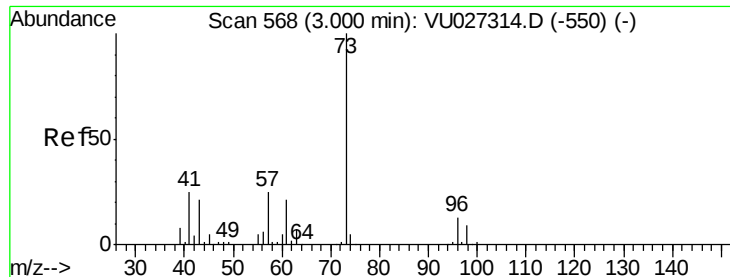
MMDadoda
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#18
Methyl Acetate
Concen: 51.461 ug/l
RT: 2.62 min Scan# 449
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.5	24.7





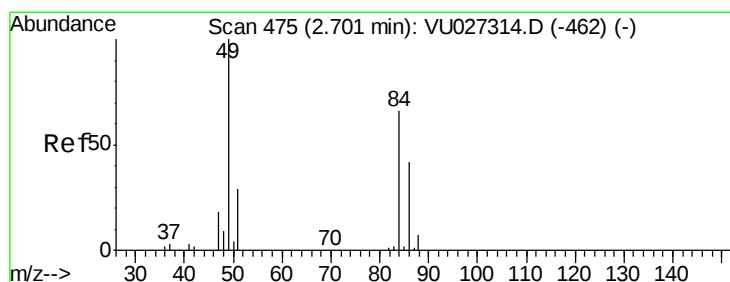
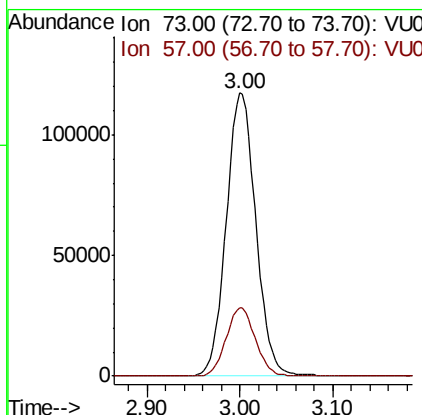
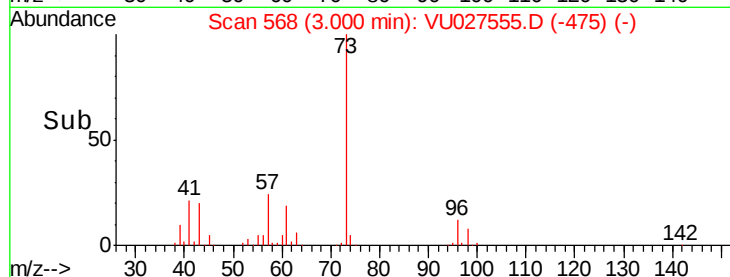
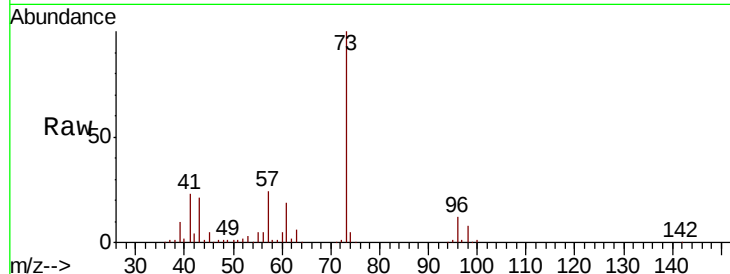
#19
Methyl tert-butyl Ether
Concen: 46.855 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 259304
Ion Ratio Lower Upper
73 100
57 24.3 20.0 30.0

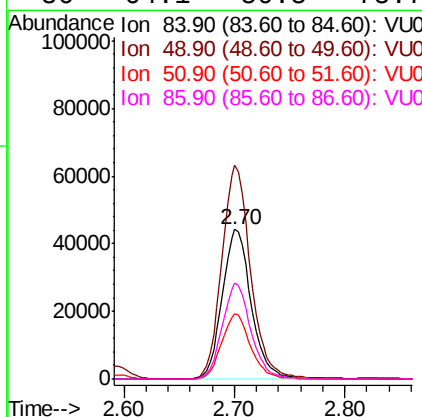
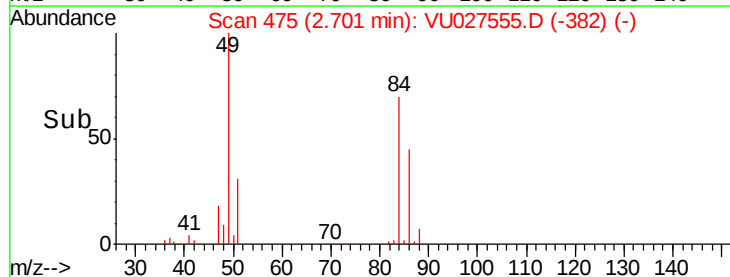
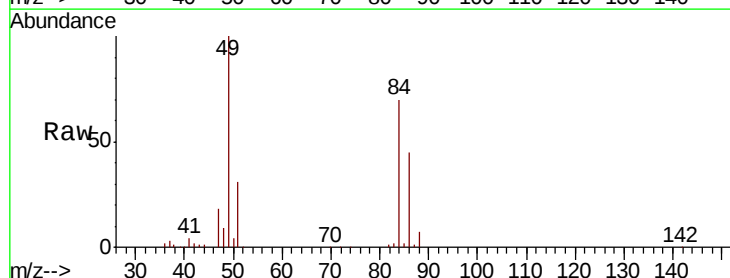
Manual Integrations
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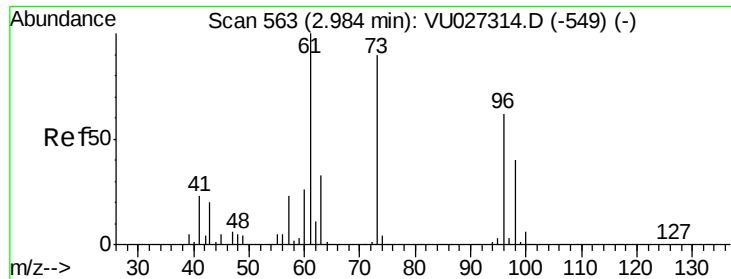
MMDadoda
10/11/2018 9:01:52 AM



#20
Methylene Chloride
Concen: 44.871 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion: 84 Resp: 80620
Ion Ratio Lower Upper
84 100
49 143.0 120.5 180.7
51 43.9 35.1 52.7
86 64.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 44.096 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 68378

Ion Ratio Lower Upper

96 100

61 162.5 129.4 194.2

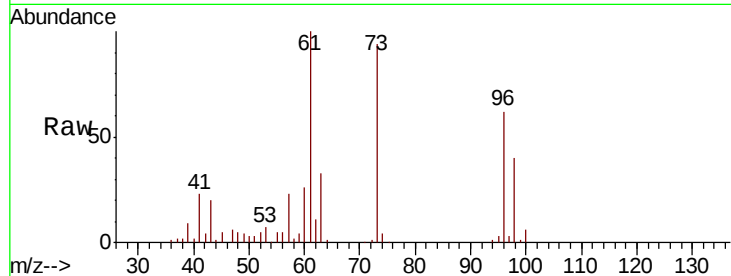
98 64.2 51.2 76.8

Manual Integrations

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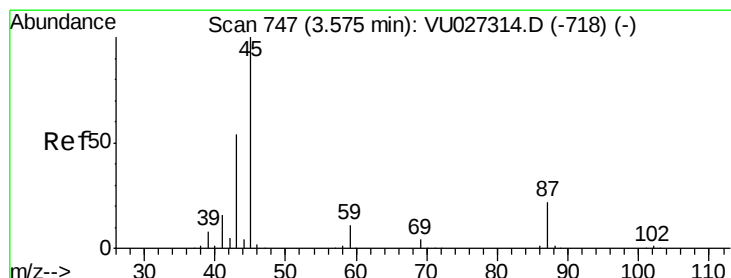
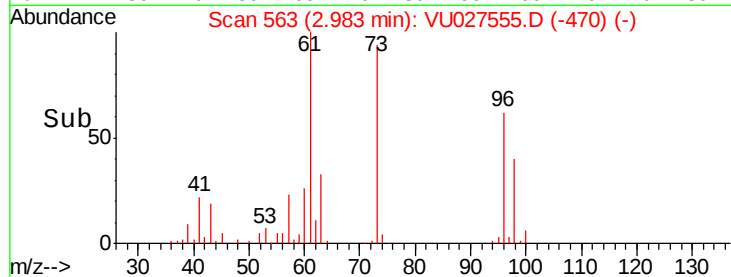
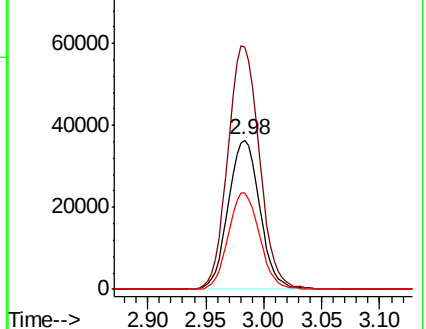
10/11/2018 9:01:52 AM



Abundance Ion 95.90 (95.60 to 96.60): VU027314.D (-549) (-)

Ion 60.90 (60.60 to 61.60): VU027314.D (-549) (-)

Ion 97.90 (97.60 to 98.60): VU027314.D (-549) (-)



#22

Diisopropyl ether

Concen: 45.854 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Tgt Ion: 45 Resp: 305675

Ion Ratio Lower Upper

45 100

43 53.5 43.4 65.2

87 22.8 17.5 26.3

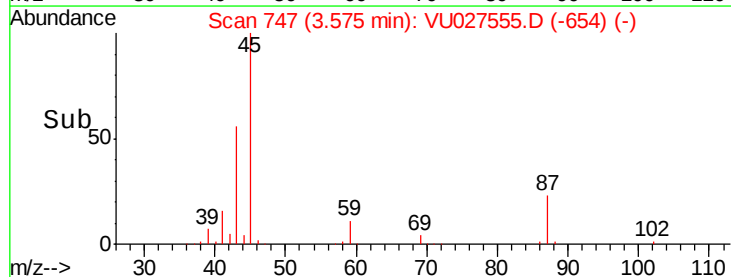
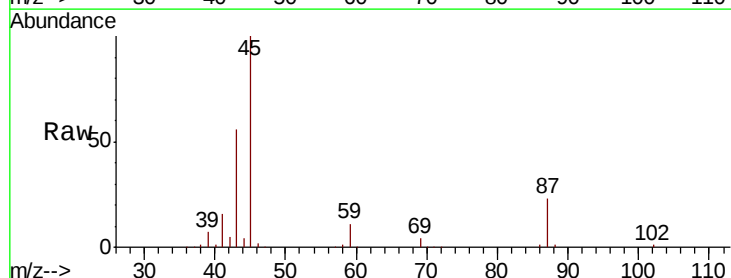
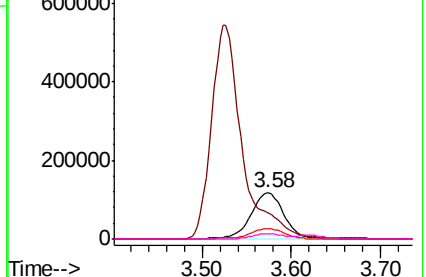
59 11.1 8.6 13.0

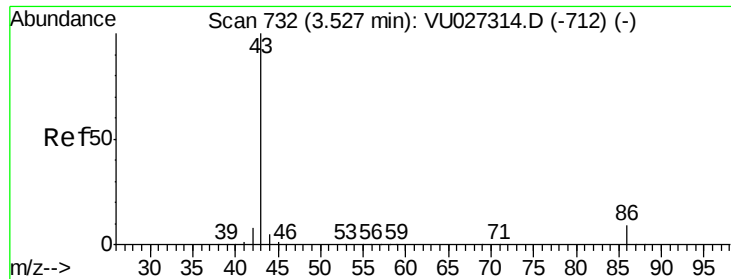
Abundance Ion 45.00 (44.70 to 45.70): VU027314.D (-718) (-)

Ion 43.00 (42.70 to 43.70): VU027314.D (-718) (-)

Ion 87.00 (86.70 to 87.70): VU027314.D (-718) (-)

Ion 59.00 (58.70 to 59.70): VU027314.D (-718) (-)





#23

Vinyl Acetate

Concen: 223.726 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1302466

Ion Ratio Lower Upper

43 100

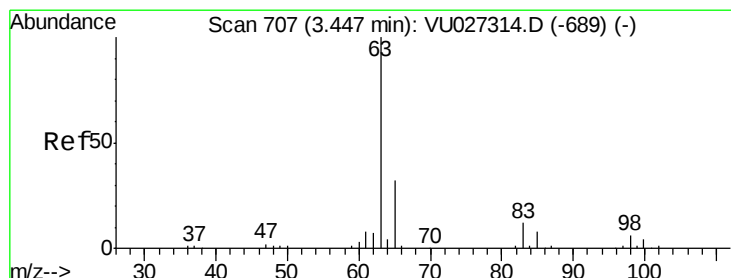
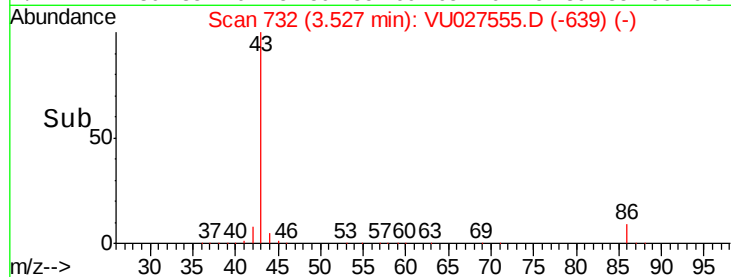
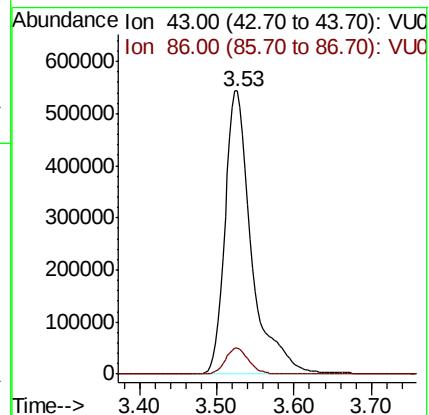
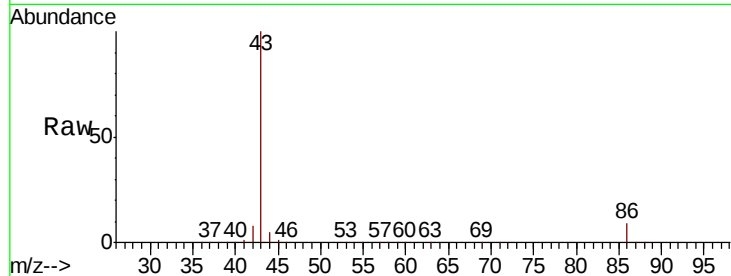
86 9.0 7.0 10.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.005 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

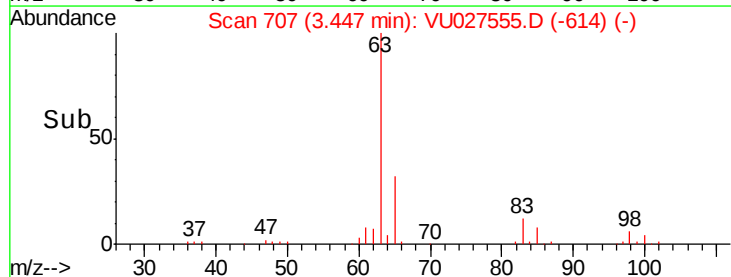
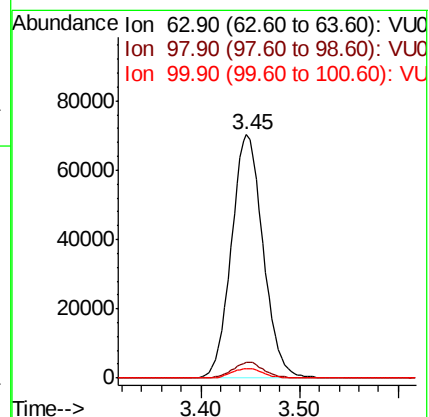
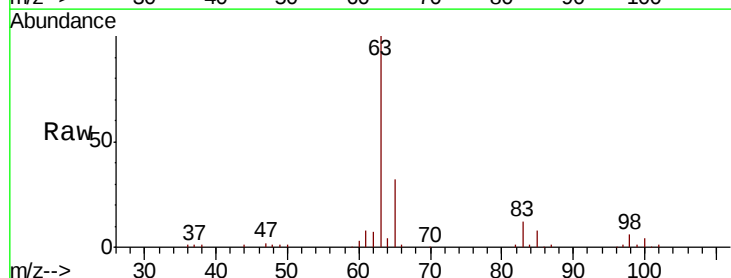
Tgt Ion: 63 Resp: 157660

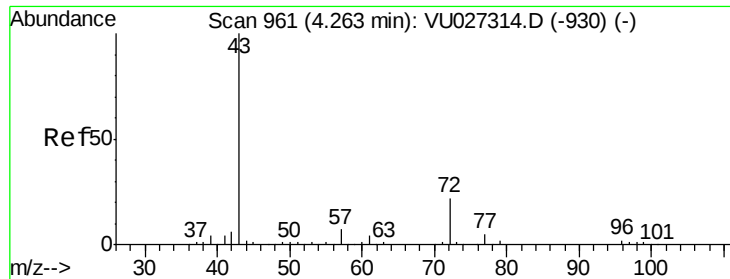
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.9 1.8 5.5





#25

2-Butanone

Concen: 232.347 ug/l

RT: 4.26 min Scan# 961

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 408683

Ion Ratio Lower Upper

43 100

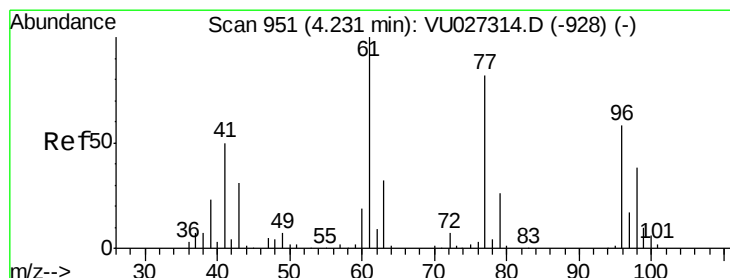
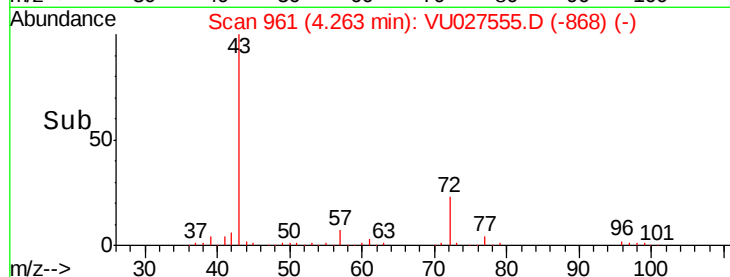
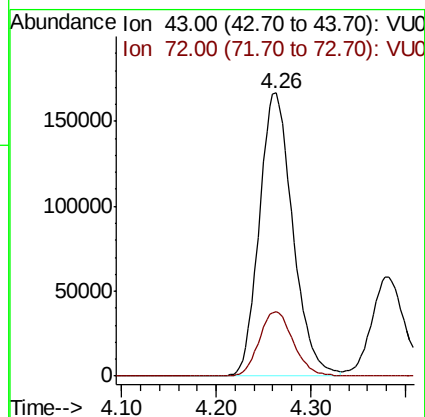
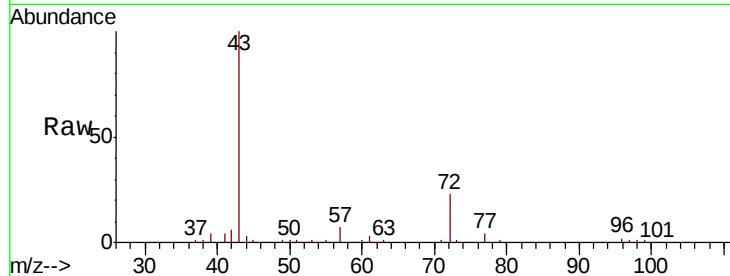
72 22.9 17.8 26.6

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#26

2,2-Dichloropropane

Concen: 45.341 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027555.D

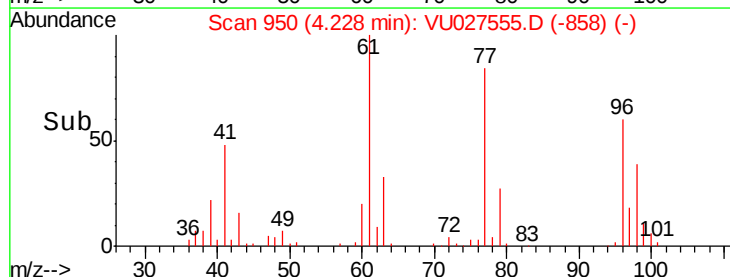
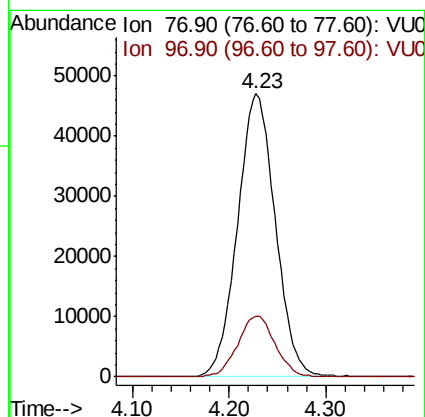
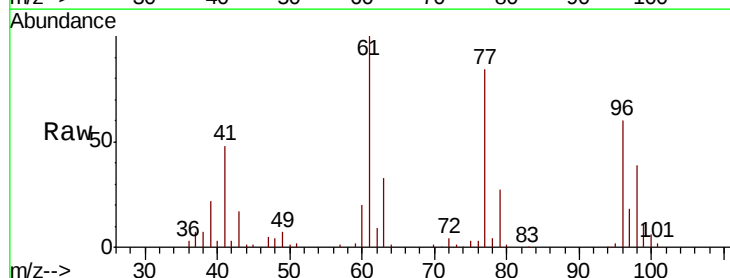
Acq: 10 Oct 2018 08:07

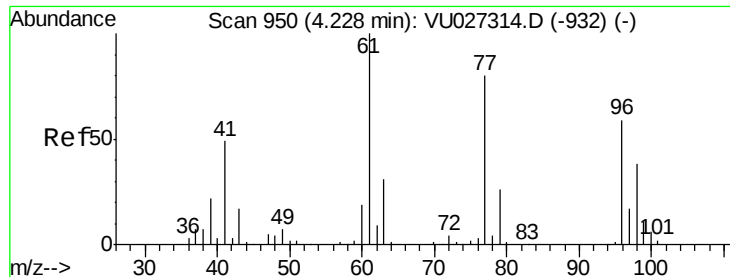
Tgt Ion: 77 Resp: 127679

Ion Ratio Lower Upper

77 100

97 21.2 10.4 31.1





#27

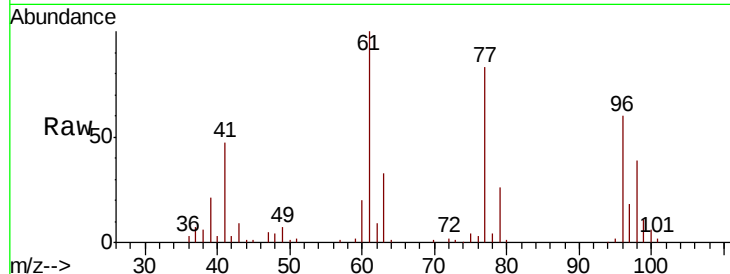
cis-1,2-Dichloroethene
 Concen: 45.894 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

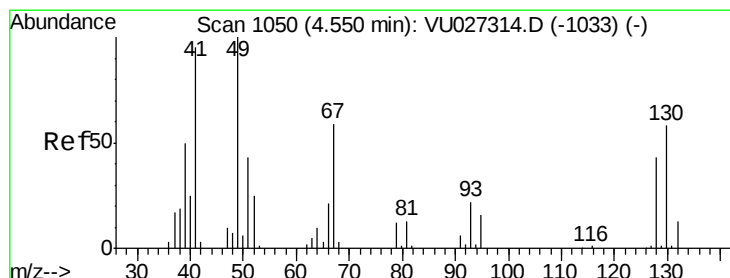
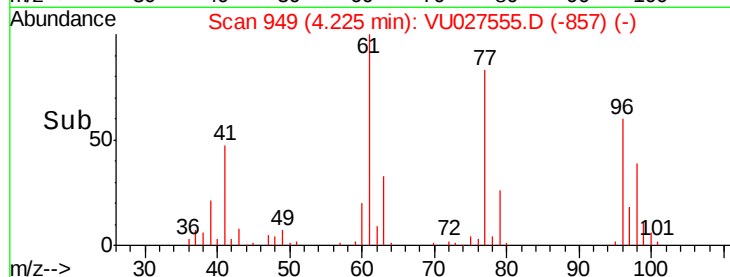
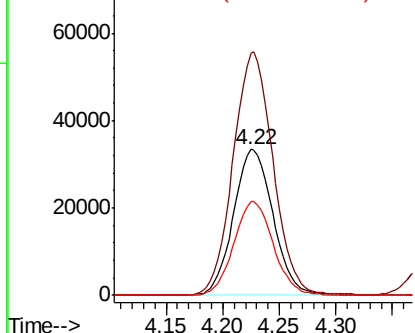
Tot Ion	Ratio	Lower	Upper
96	100		
61	168.1	0.0	343.8
98	63.9	0.0	129.0

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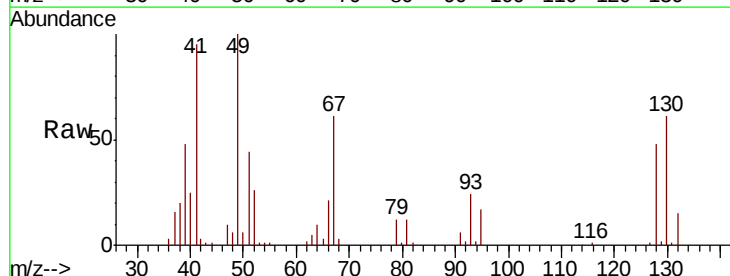
Abundance Ion 95.90 (95.60 to 96.60): VU0
 Ion 60.90 (60.60 to 61.60): VU0
 Ion 97.90 (97.60 to 98.60): VU0



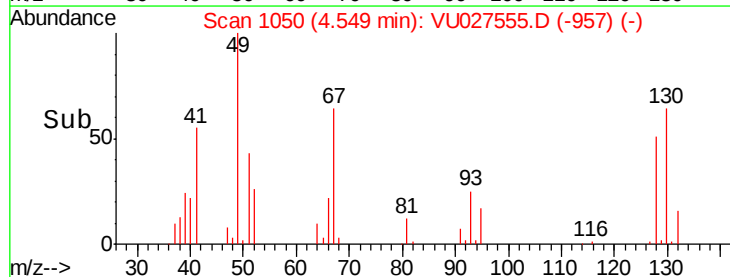
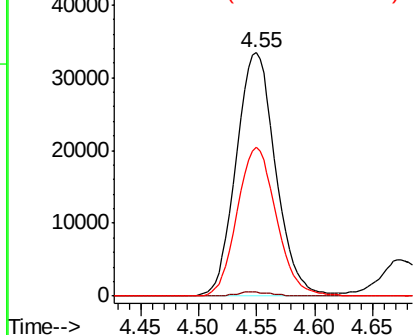
#28

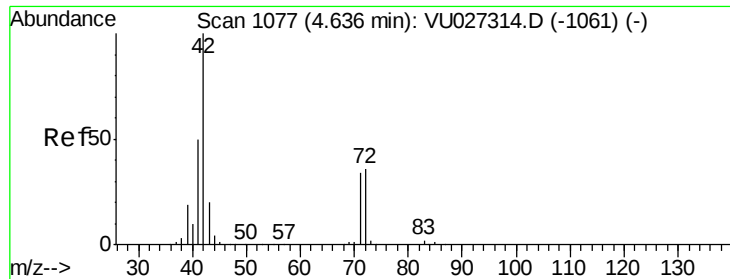
Bromochloromethane
 Concen: 47.904 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	60.7	46.1	69.1



Abundance Ion 48.90 (48.60 to 49.60): VU0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





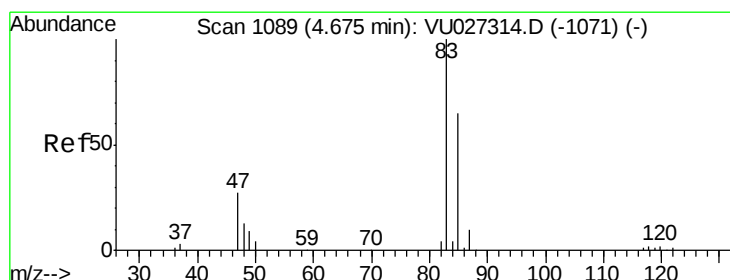
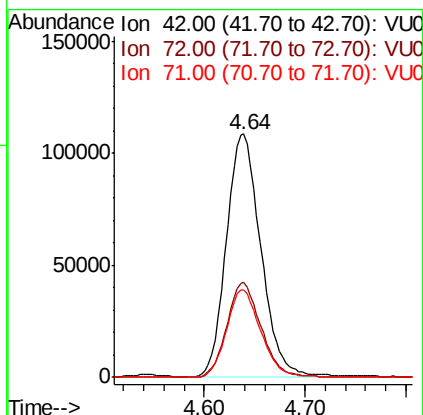
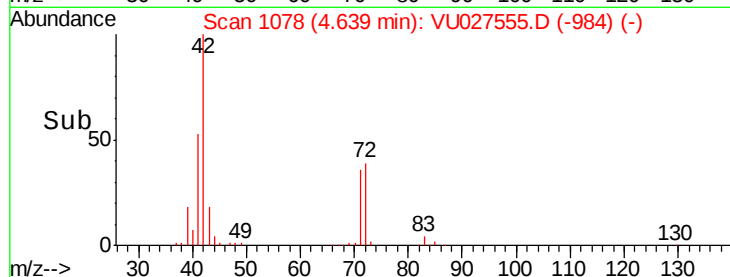
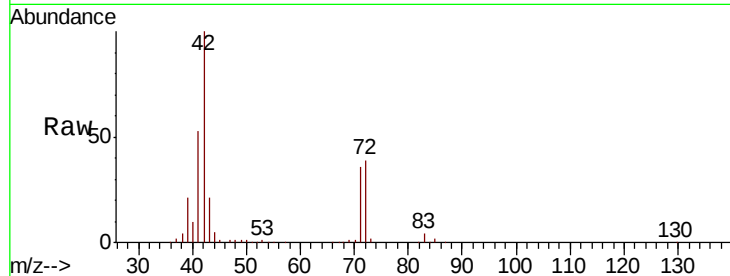
#29
Tetrahydrofuran
Concen: 232.559 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	30.1	45.1
71	35.8	27.7	41.5

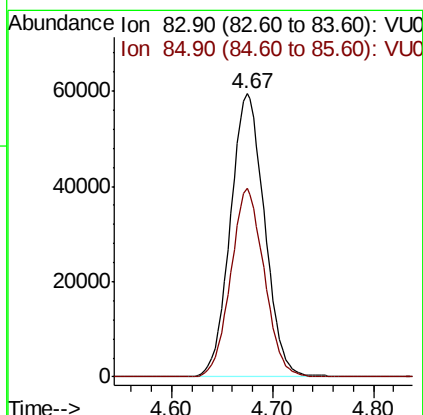
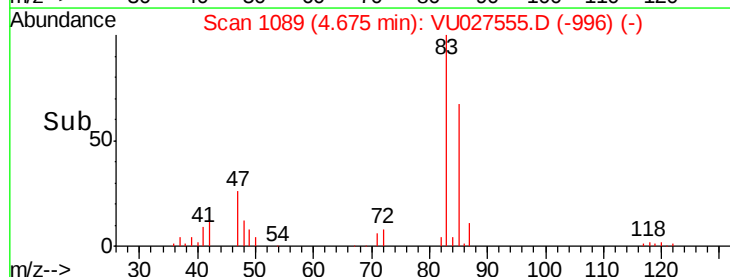
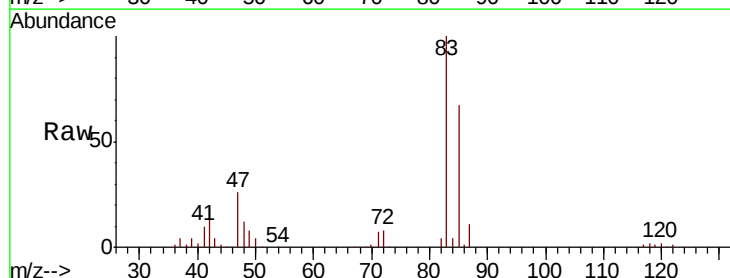
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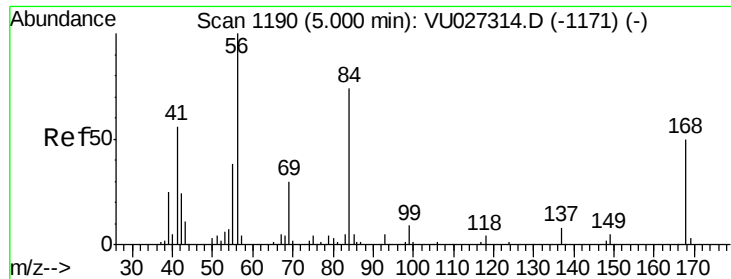
MMDadoda
10/11/2018 9:01:52 AM



#30
Chloroform
Concen: 45.976 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.8	77.6





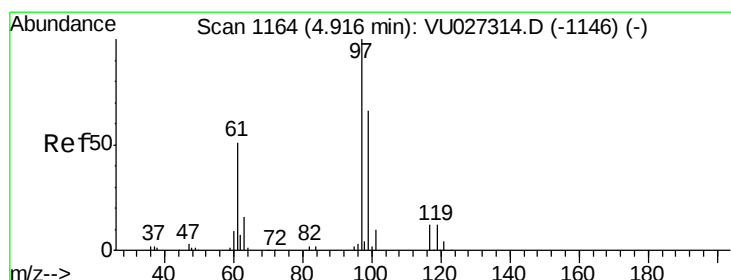
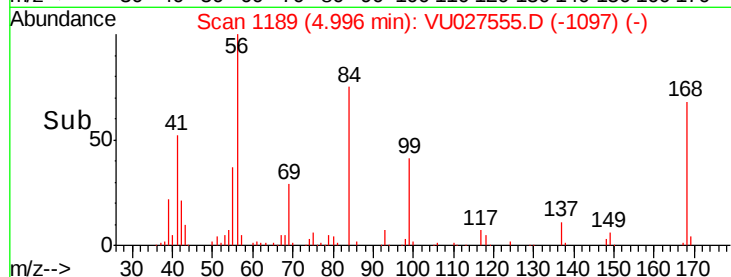
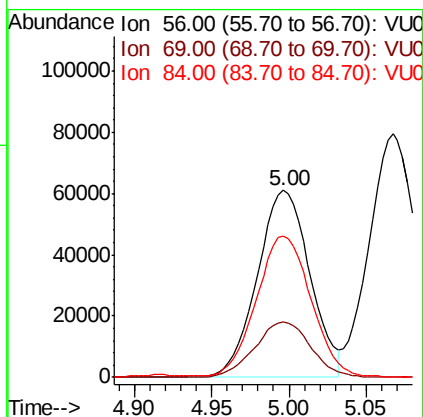
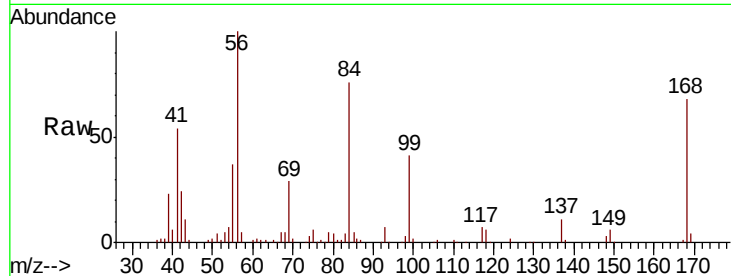
#31
Cyclohexane
Concen: 41.357 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	24.1	36.1
84	75.1	59.1	88.7

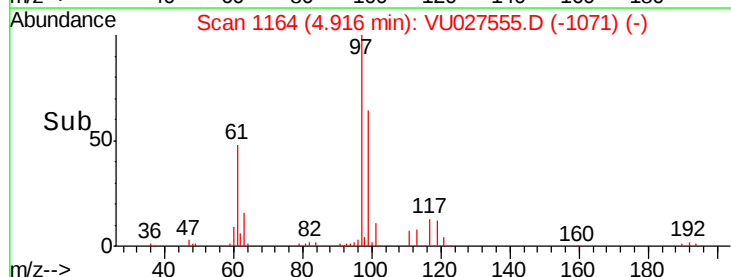
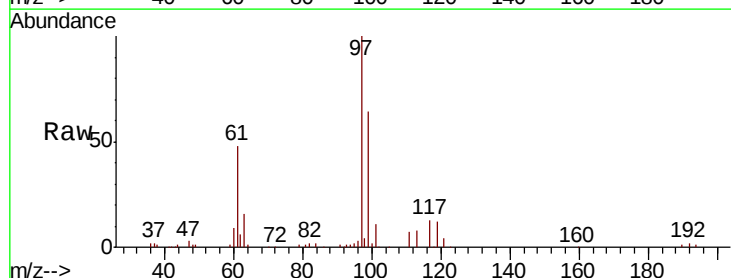
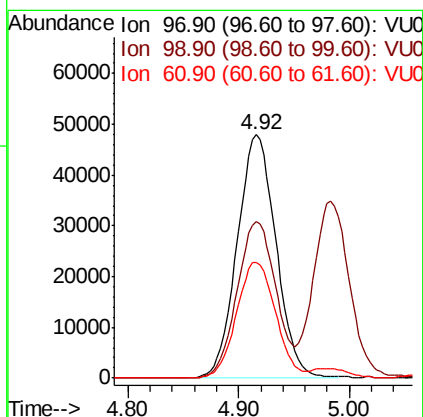
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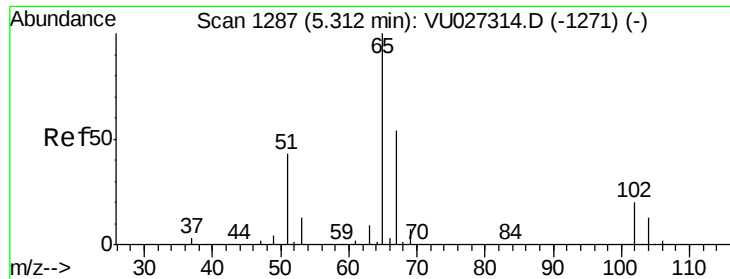
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#32
1,1,1-Trichloroethane
Concen: 45.640 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	48.0	39.6	59.4





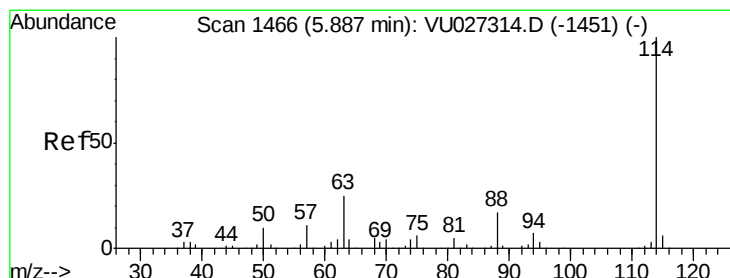
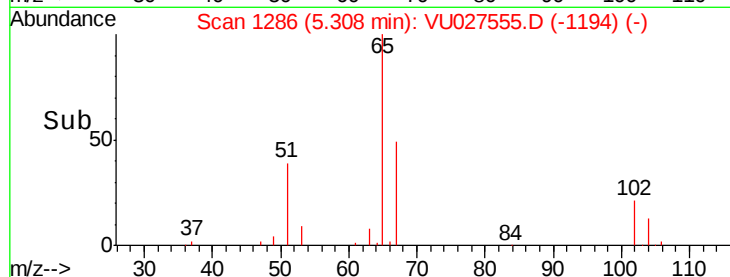
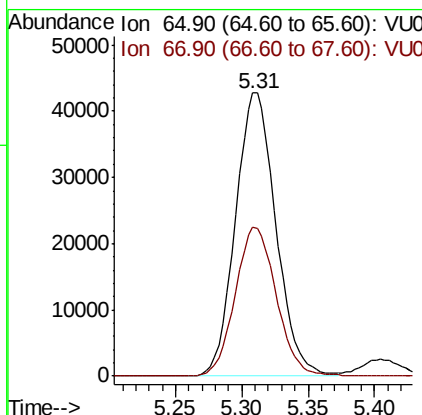
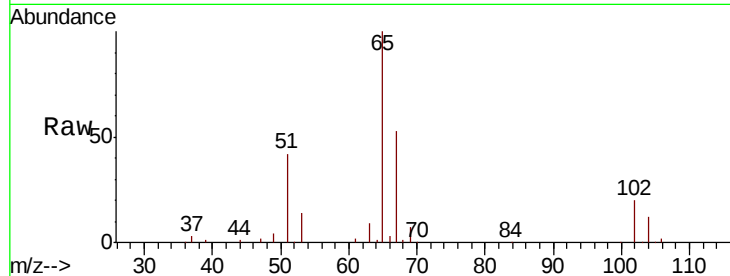
#33
 1,2-Dichloroethane-d4
 Concen: 41.537 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	107.8

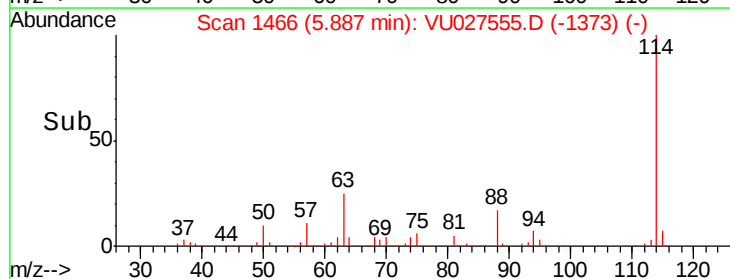
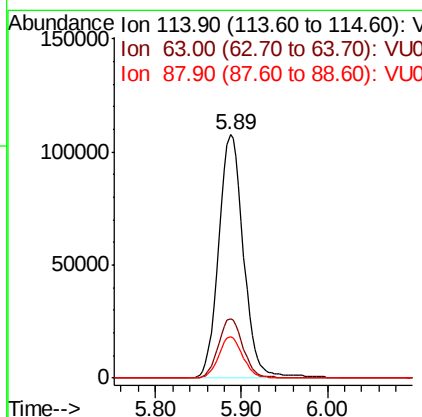
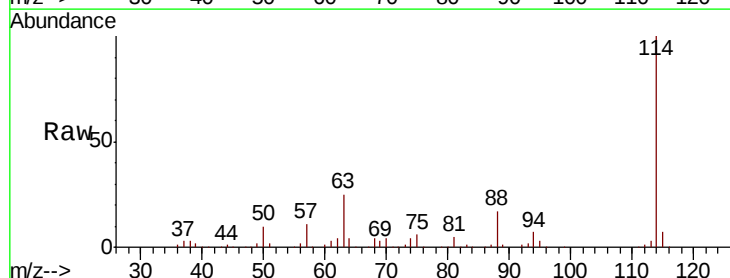
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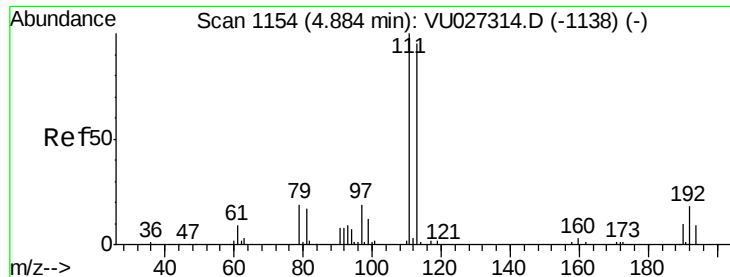
MMDadoda
 10/11/2018 9:01:52 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.6	0.0	50.2
88	17.0	0.0	33.8





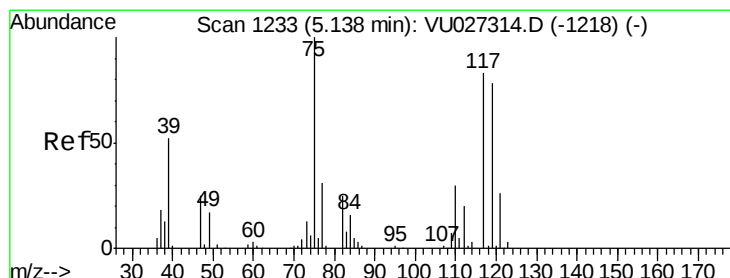
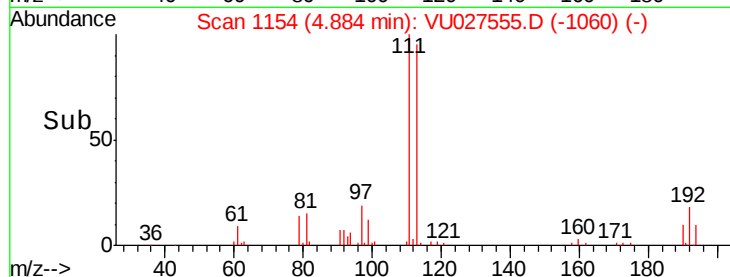
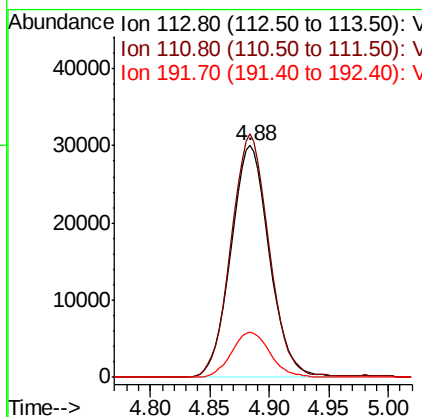
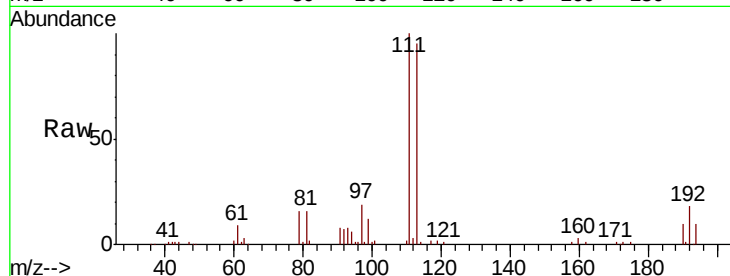
#35
 Dibromofluoromethane
 Concen: 45.244 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.1	124.7
192	19.5	15.4	23.0

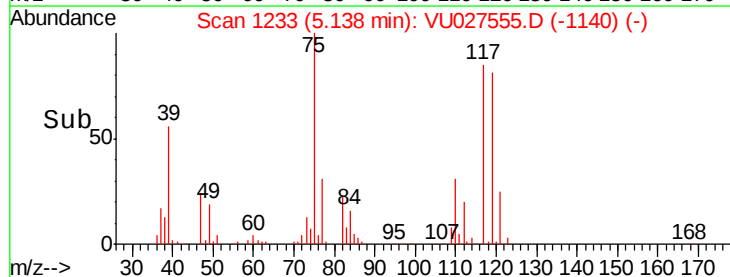
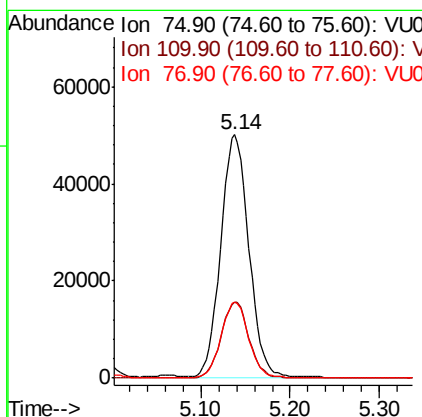
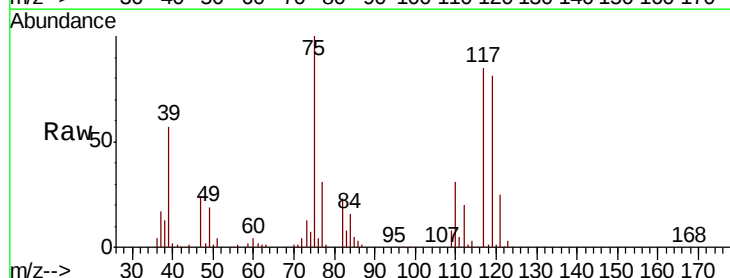
Manual Integrations
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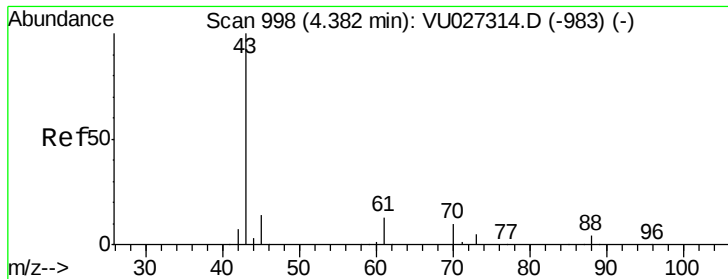
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#36
 1,1-Dichloropropene
 Concen: 46.366 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.2	15.5	46.5
77	30.9	25.4	38.0





#37

Ethyl Acetate

Concen: 47.351 ug/l

RT: 4.38 min Scan# 997

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

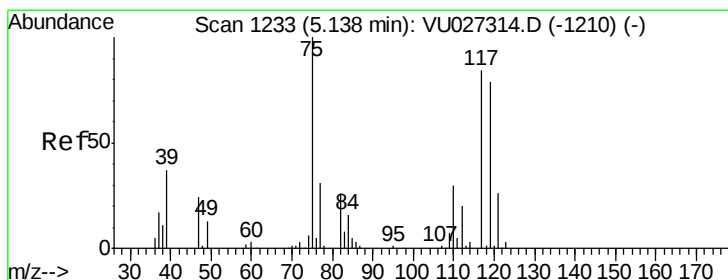
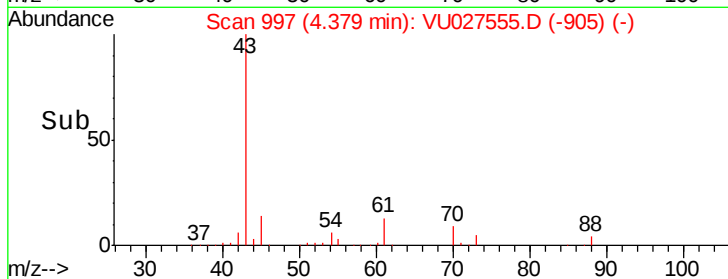
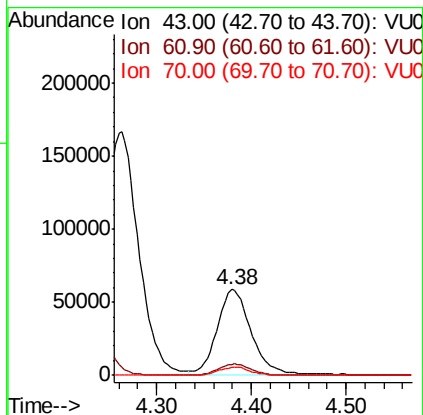
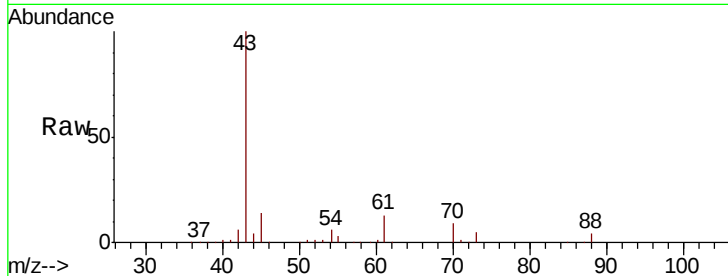
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	144024
Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.7	16.1
70	9.2	7.4	11.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.351 ug/l

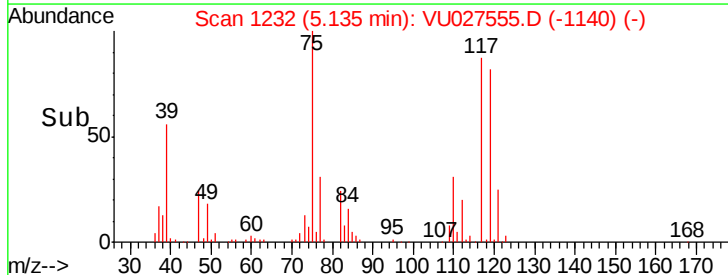
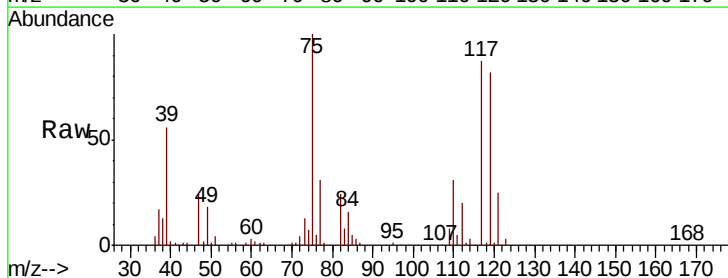
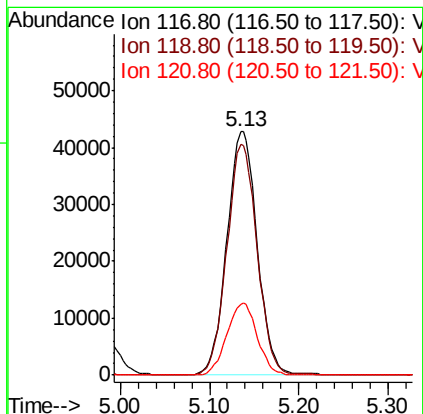
RT: 5.13 min Scan# 1232

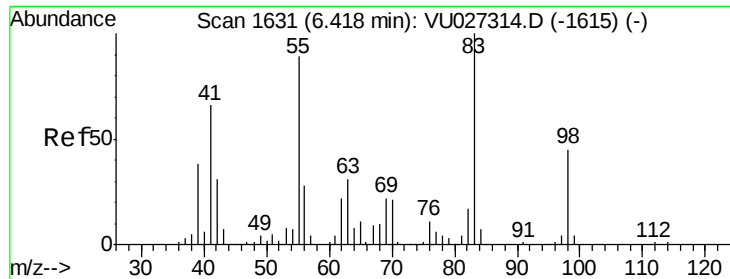
Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Tgt Ion:	117	Resp:	100664
Ion	Ratio	Lower	Upper
117	100		
119	94.9	74.5	111.7
121	29.1	24.6	37.0





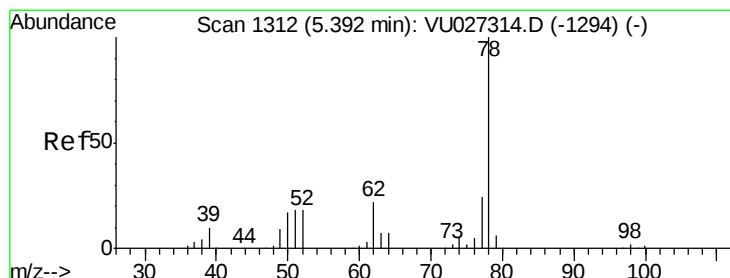
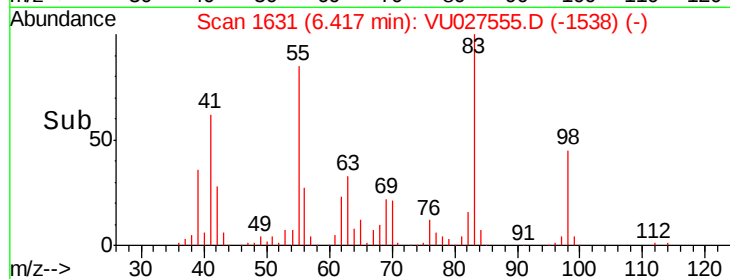
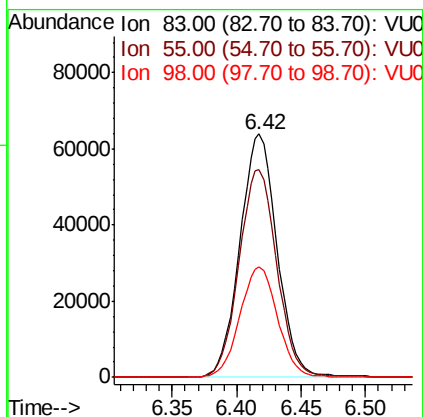
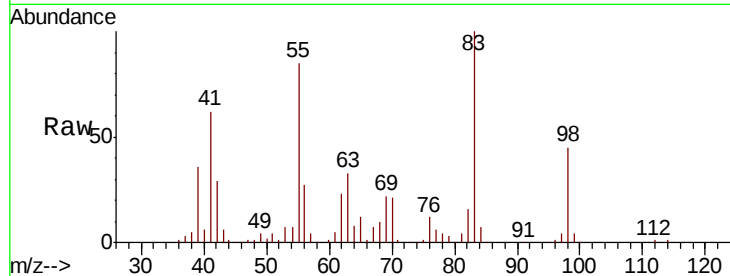
#39
Methvlcvclohexane
Concen: 46.649 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	128337
Ion Ratio	Lower	Upper	
83	100		
55	85.2	71.1	106.7
98	45.4	36.3	54.5

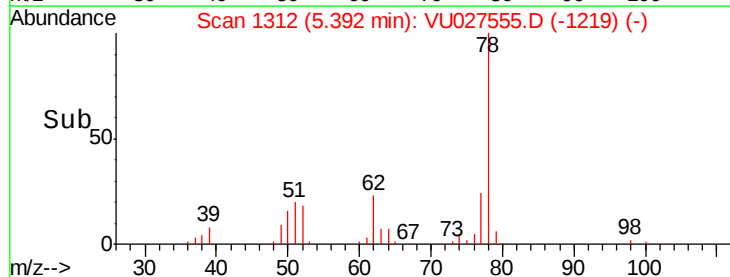
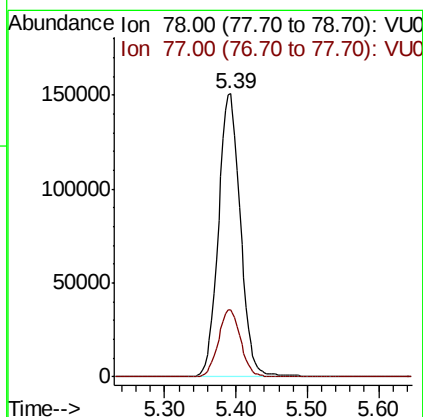
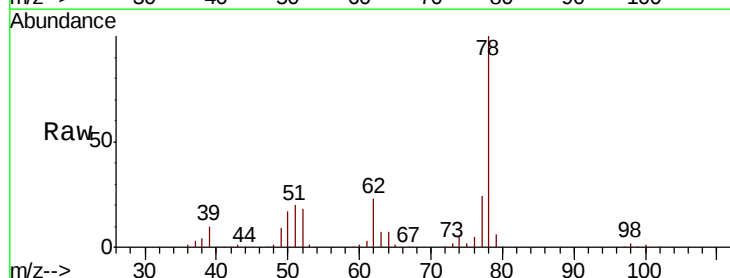
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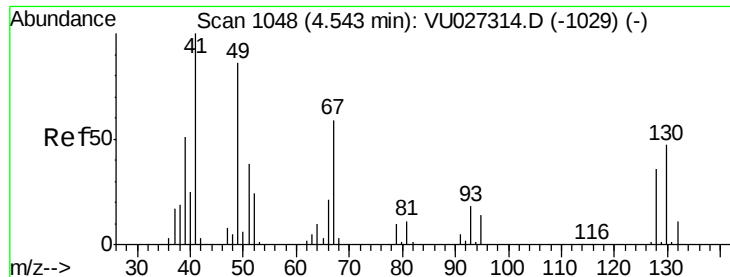
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#40
Benzene
Concen: 47.036 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	78	Resp	322448
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.3	28.9





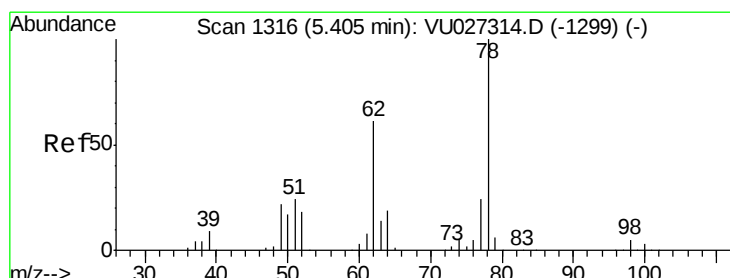
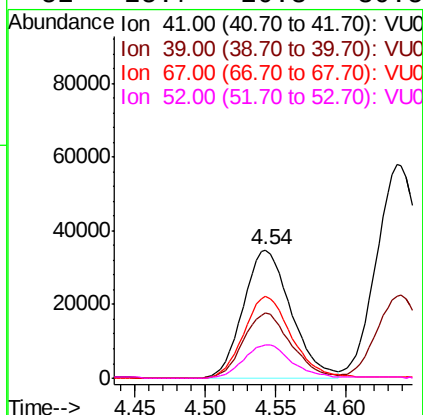
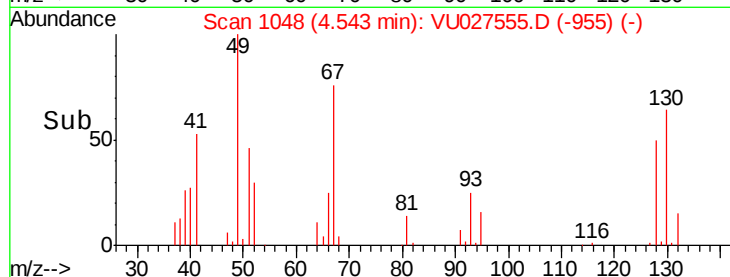
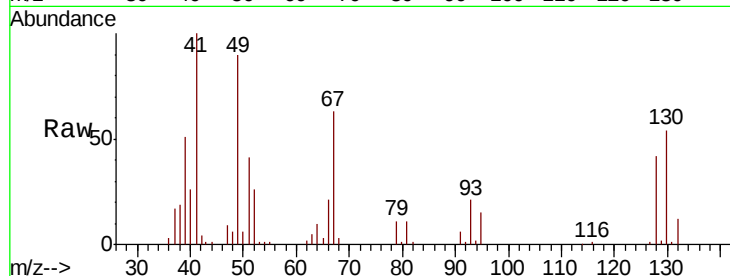
#41
Methacrylonitrile
Concen: 47.976 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.0	41.1	61.7	
67	64.3	50.4	75.6	
52	25.7	20.3	30.5	

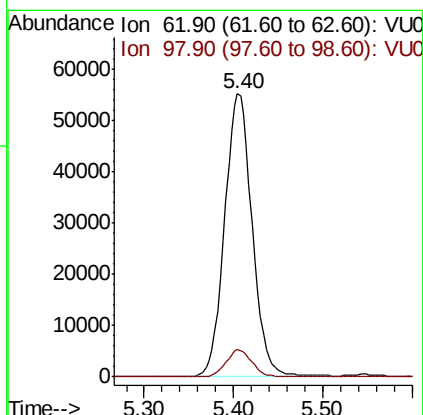
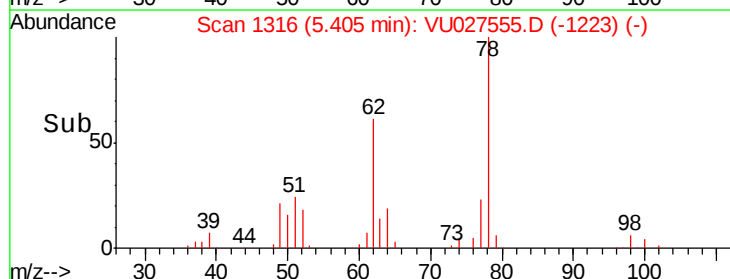
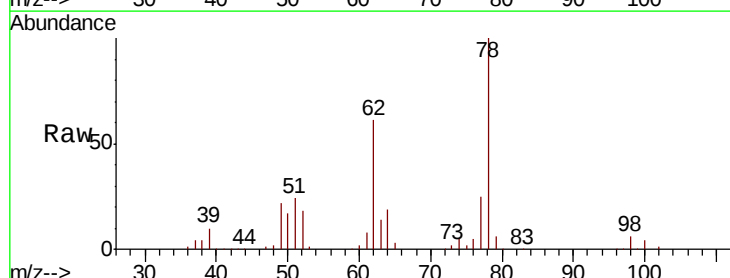
Manual Integrations
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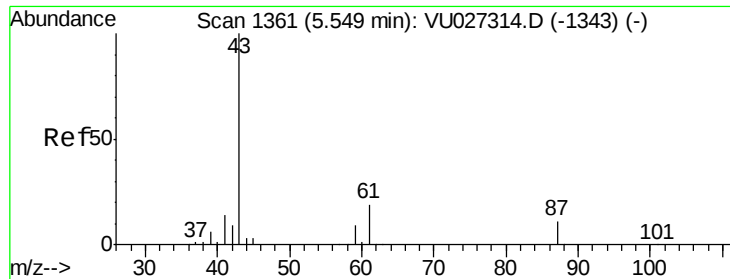
MMDadoda
10/11/2018 9:01:52 AM



#42
1,2-Dichloroethane
Concen: 46.441 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	16.8	





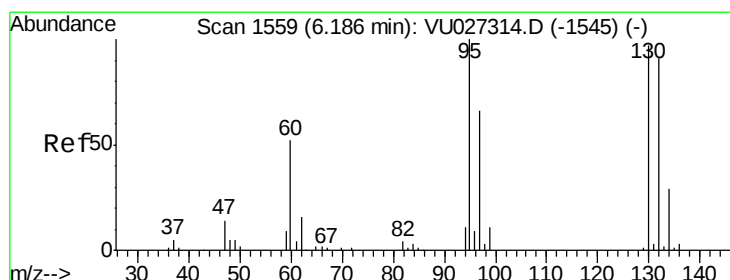
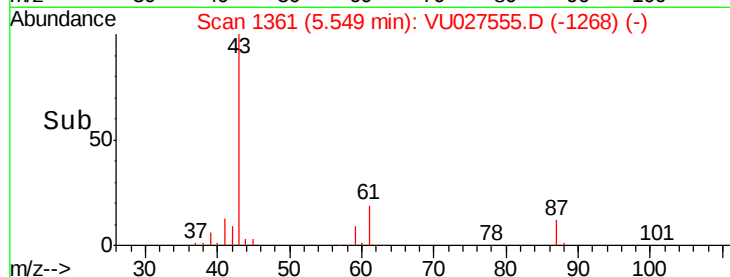
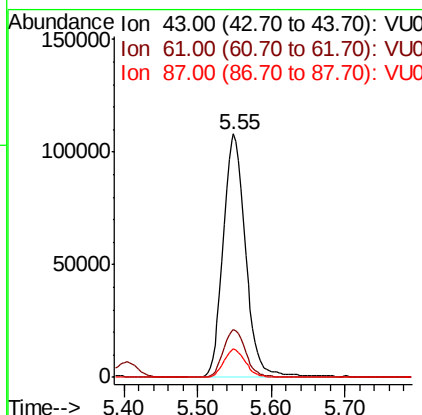
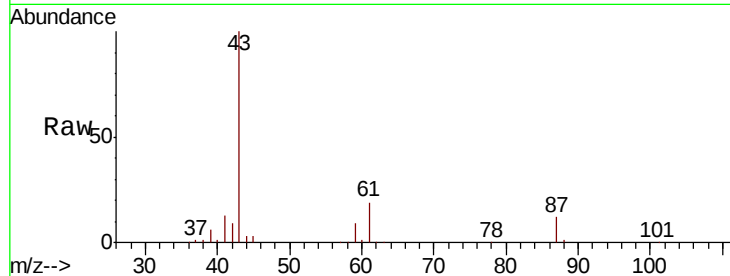
#43
Isopropyl Acetate
Concen: 48.595 ug/l
RT: 5.55 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.3	22.9
87	11.2	8.6	13.0

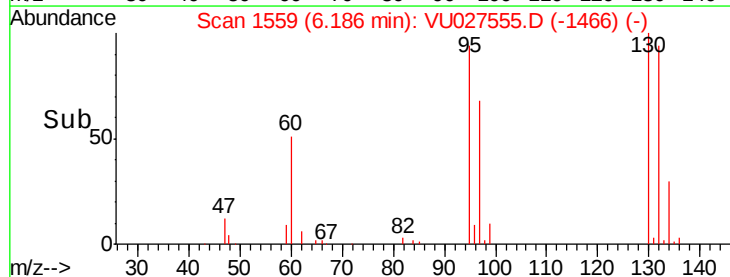
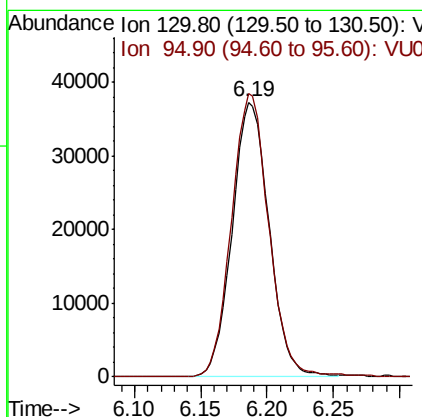
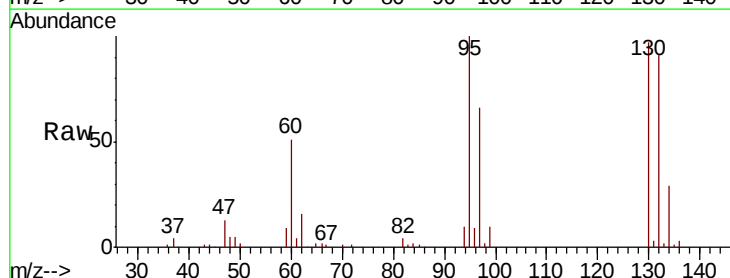
Manual Integrations
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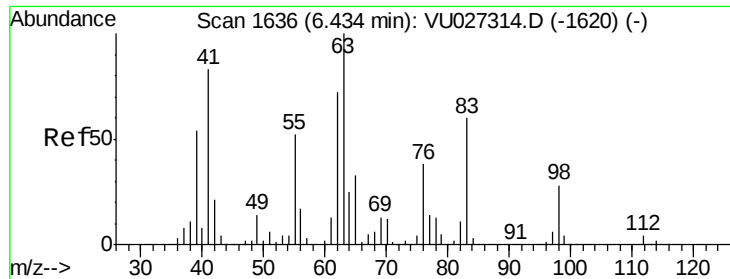
MMDadoda
10/11/2018 9:01:52 AM



#44
Trichloroethene
Concen: 47.210 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	207.0





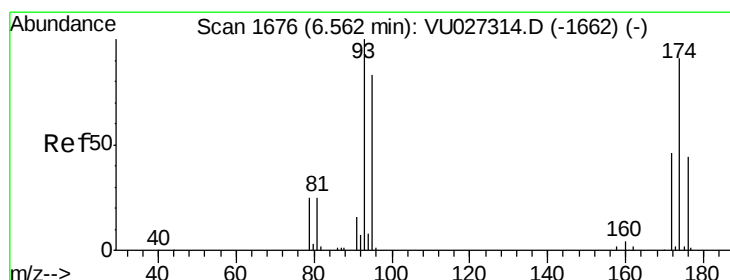
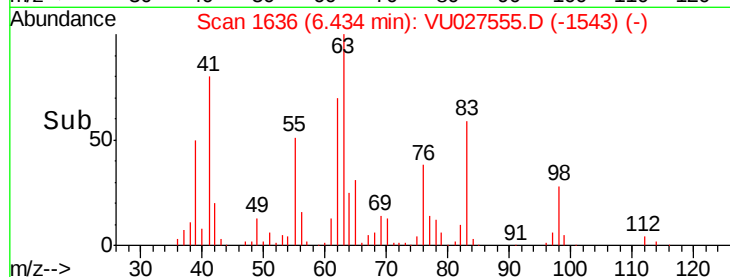
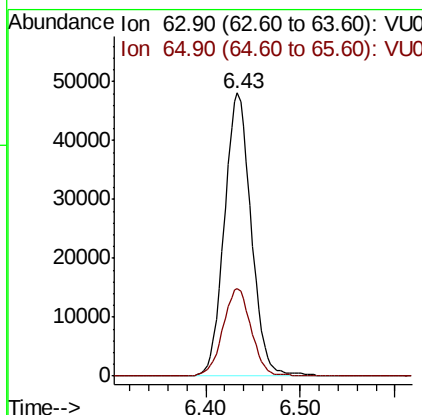
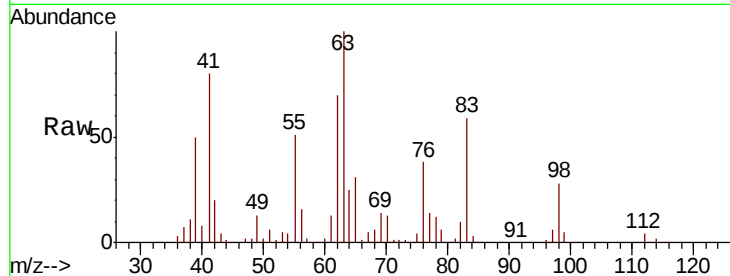
#45
 1,2-Dichloropropane
 Concen: 47.874 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 94663
 Ion Ratio Lower Upper
 63 100
 65 31.1 26.0 39.0

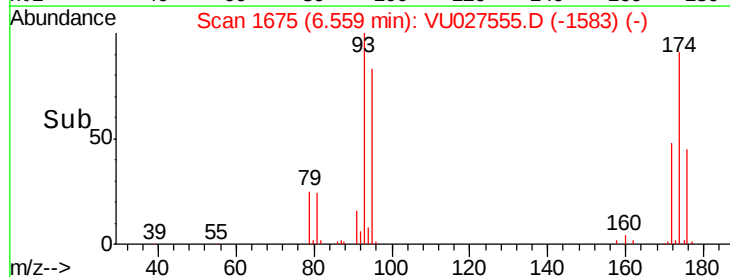
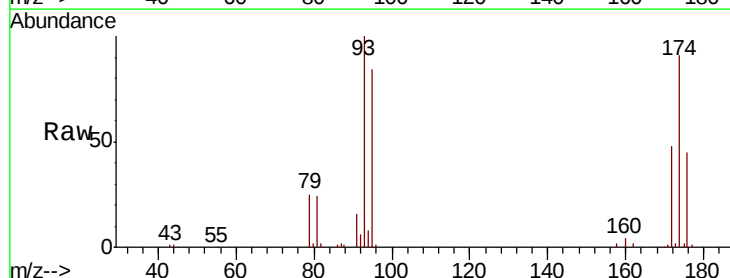
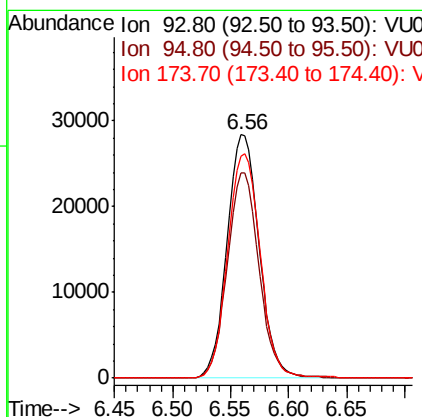
Manual Integrations
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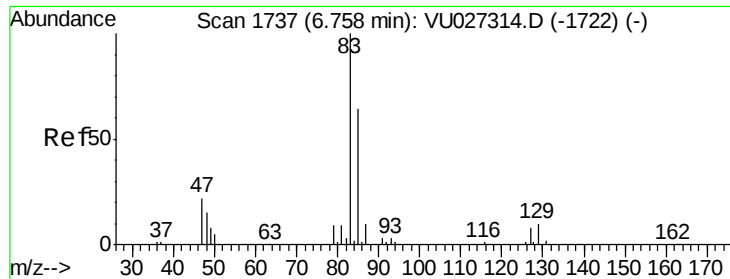
MMDadoda
 10/11/2018 9:01:52 AM



#46
 Dibromomethane
 Concen: 48.639 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion: 93 Resp: 54318
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.5 99.7
 174 93.0 72.5 108.7





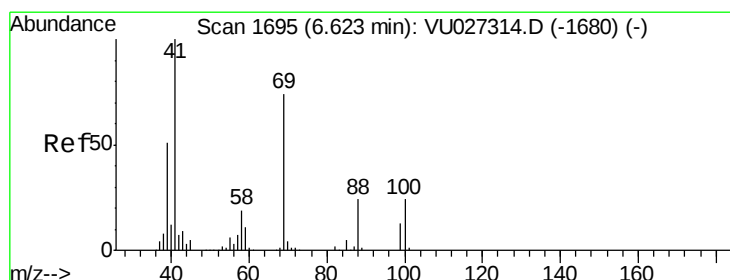
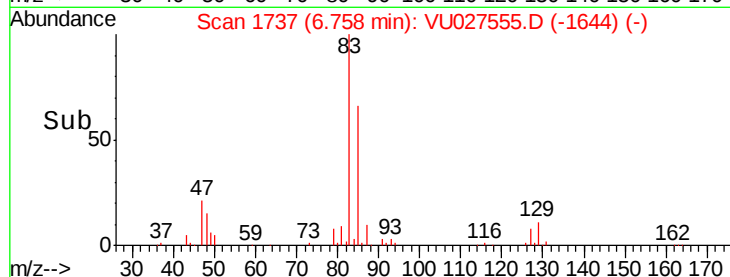
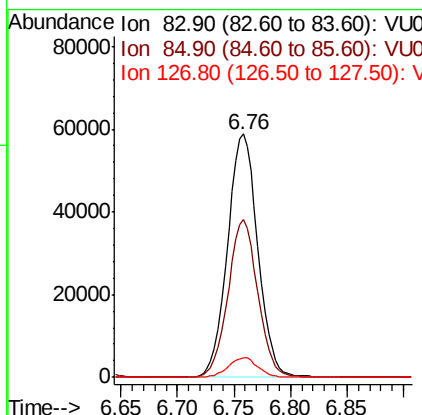
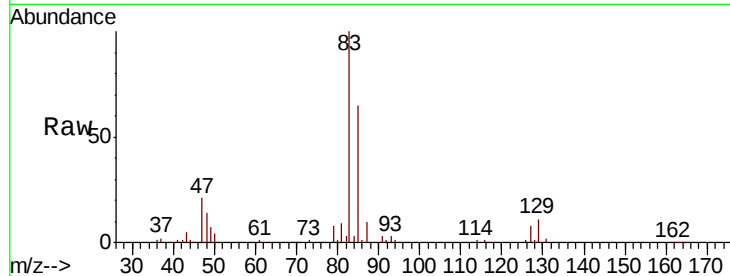
#47
Bromodichloromethane
Concen: 47.249 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	109488
Ion Ratio	100		
85	64.6	51.4	77.0
127	7.9	6.3	9.5

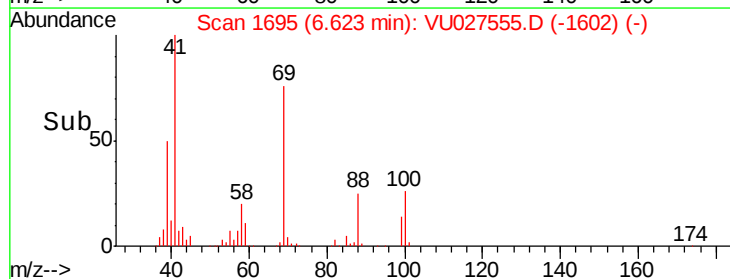
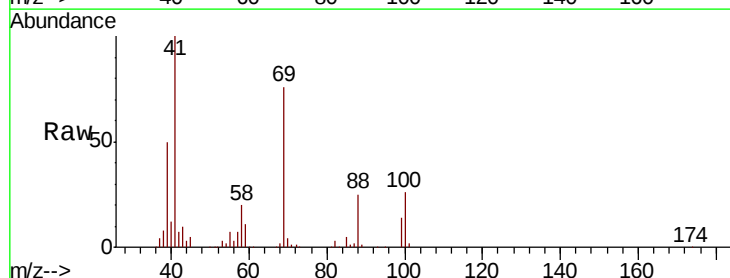
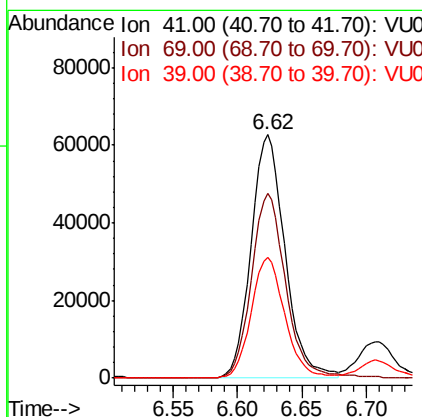
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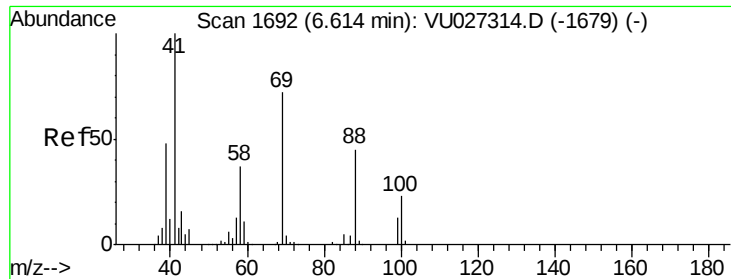
MMDadoda
10/11/2018 9:01:52 AM



#48
Methyl methacrylate
Concen: 49.036 ug/l
RT: 6.62 min Scan# 1695
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	41	Resp	115193
Ion Ratio	100		
69	77.3	61.0	91.4
39	49.5	39.9	59.9





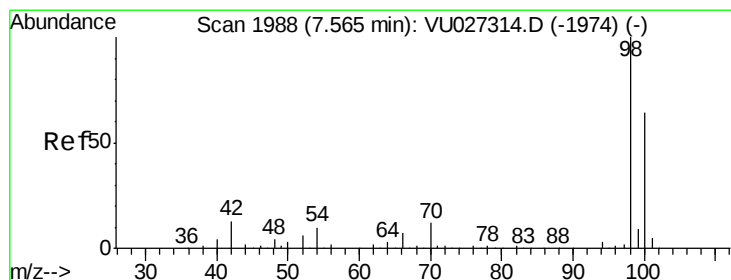
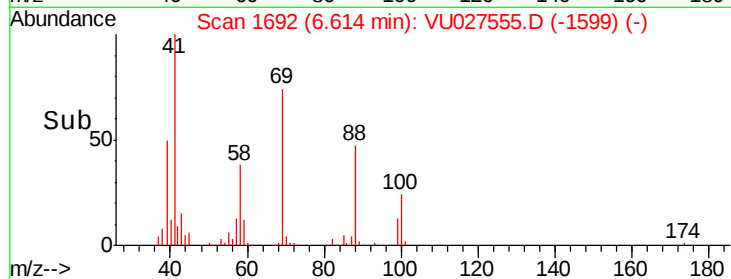
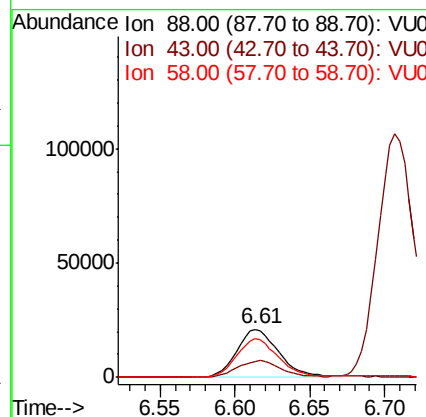
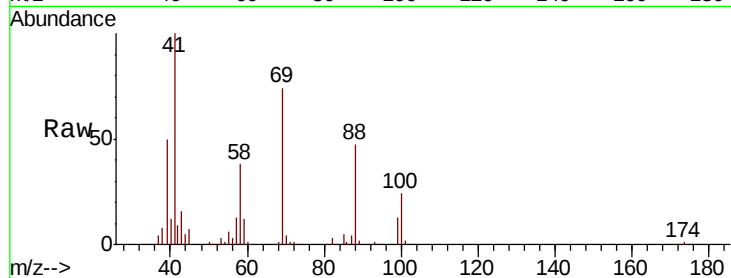
#49
1,4-Dioxane
Concen: 1006.277 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	30.8	46.2
58	81.9	67.0	100.6

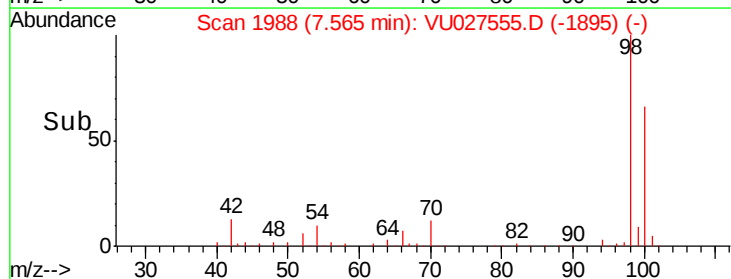
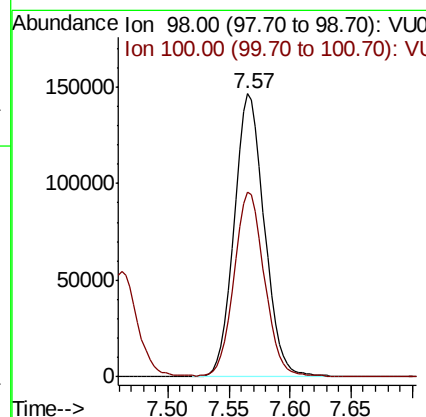
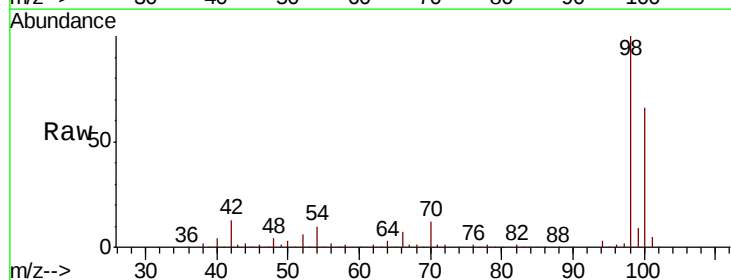
Manual Integrations
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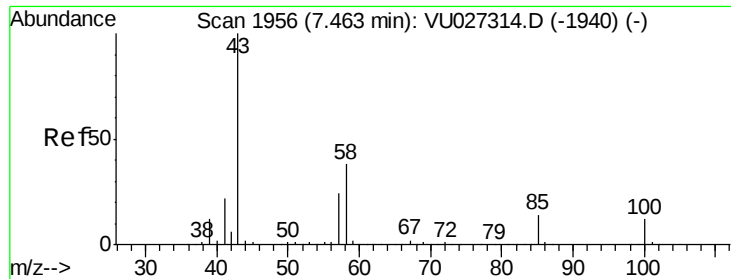
MMDadoda
10/11/2018 9:01:52 AM



#50
Toluene-d8
Concen: 45.611 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 242.340 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 743909

Ion Ratio Lower Upper

43 100

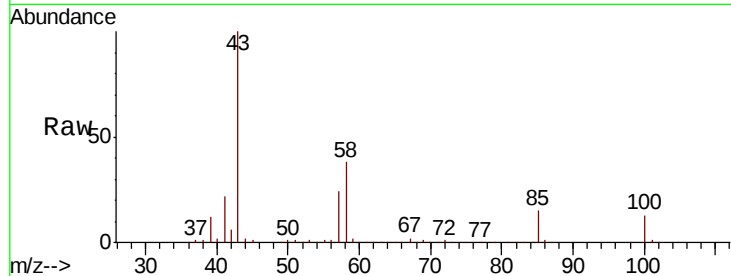
58 37.8 29.8 44.8

Manual Integrations

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MMDadoda

10/11/2018 9:01:52 AM



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

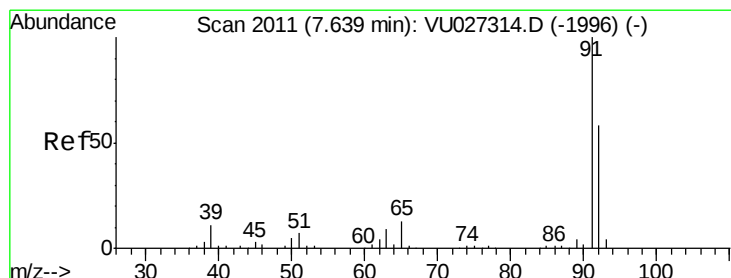
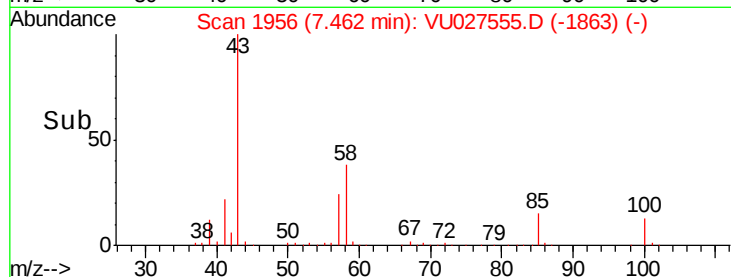
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 47.261 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027555.D

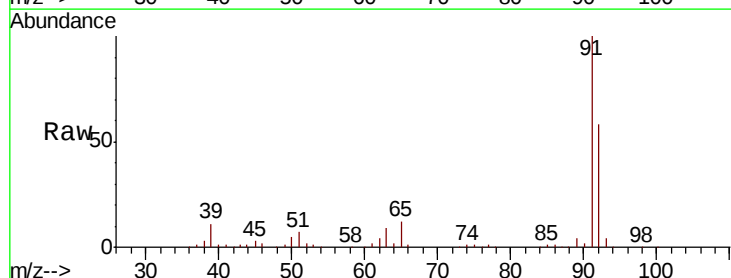
Acq: 10 Oct 2018 08:07

Tgt Ion: 92 Resp: 191770

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

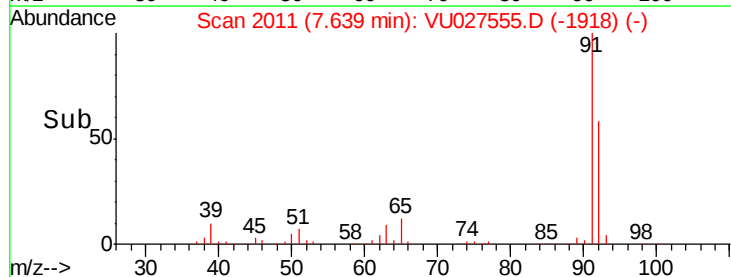
150000

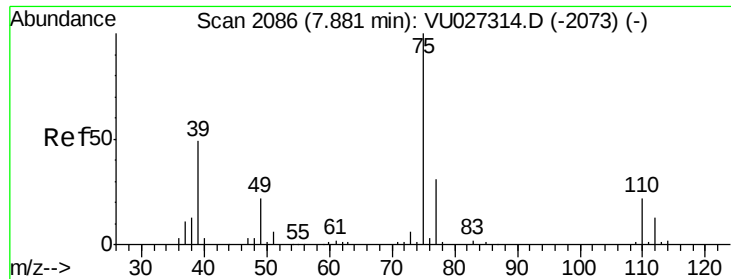
100000

50000

0

Time-->





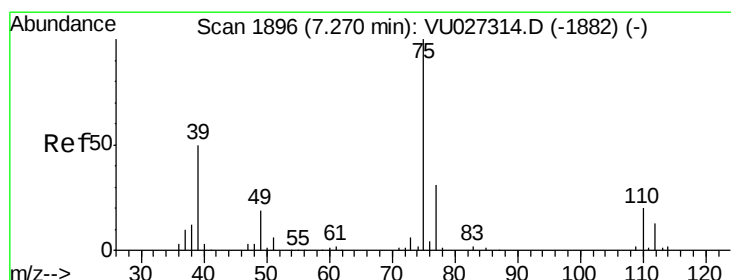
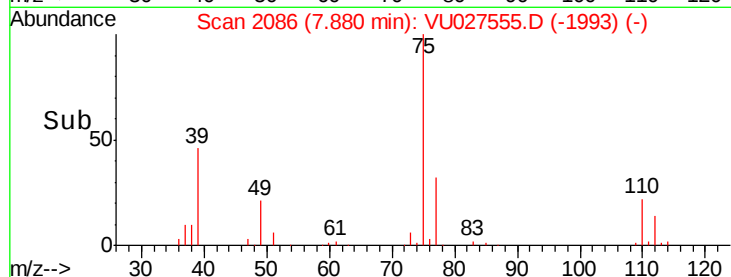
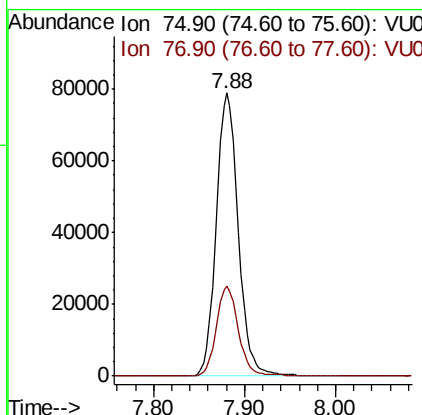
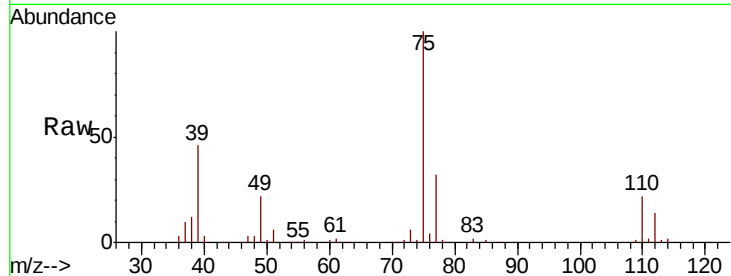
#53
t-1,3-Dichloropropene
Concen: 48.708 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

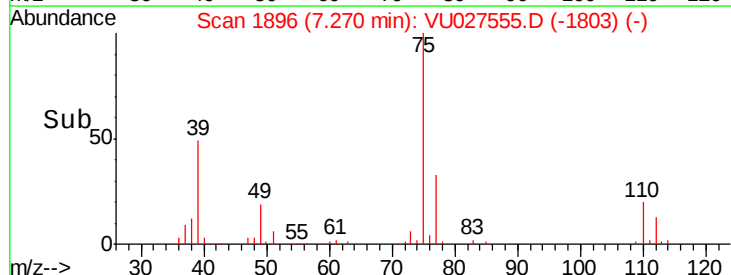
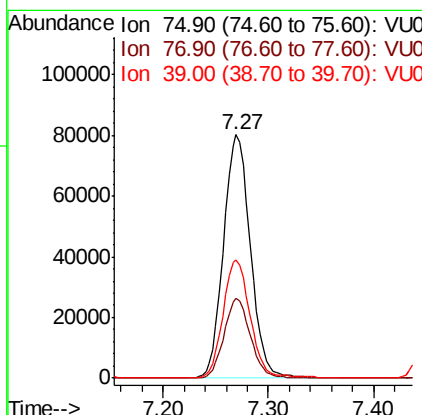
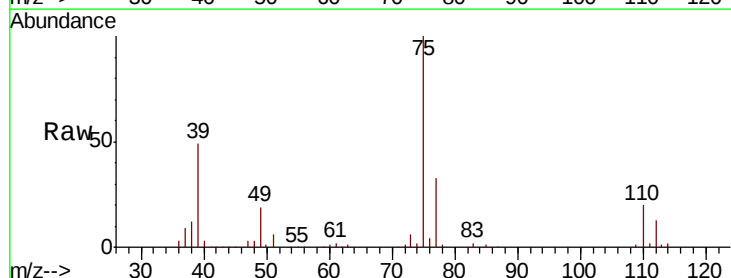
Manual Integrations
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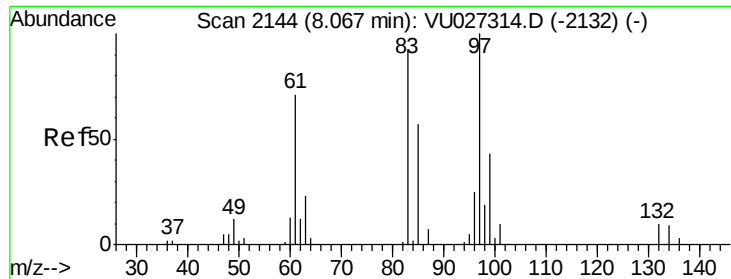
MMDadoda
10/11/2018 9:01:52 AM



#54
cis-1,3-Dichloropropene
Concen: 48.472 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.5	36.7
39	48.6	40.1	60.1





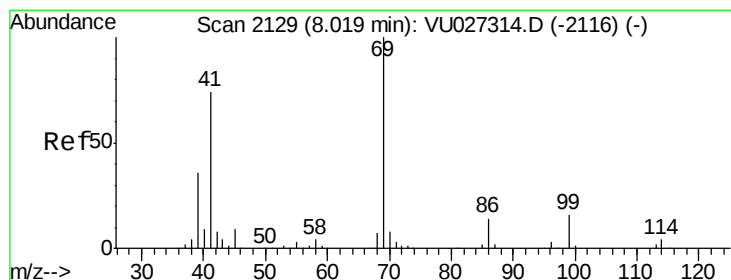
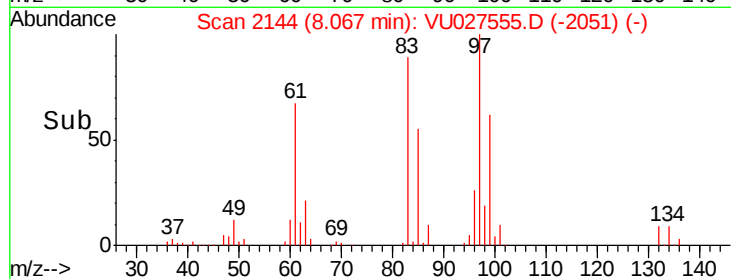
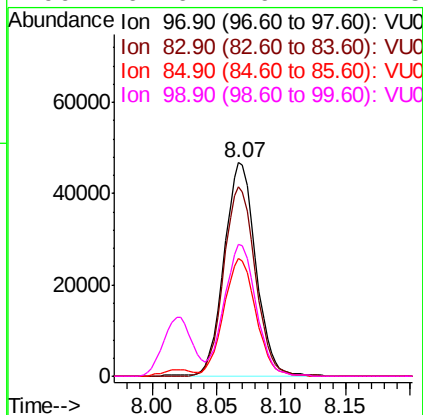
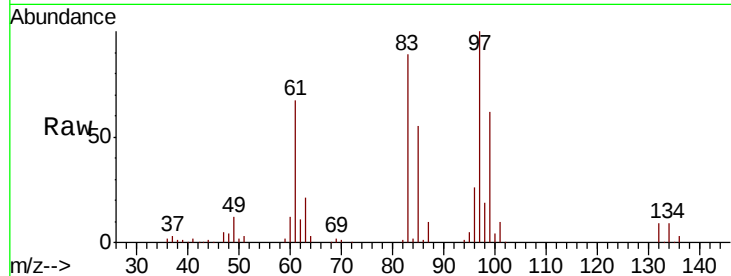
#55
 1,1,2-Trichloroethane
 Concen: 49.585 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	79772
Ion	Ratio	Lower	Upper
97	100		
83	88.7	73.0	109.6
85	55.2	47.3	70.9
99	61.6	49.7	74.5

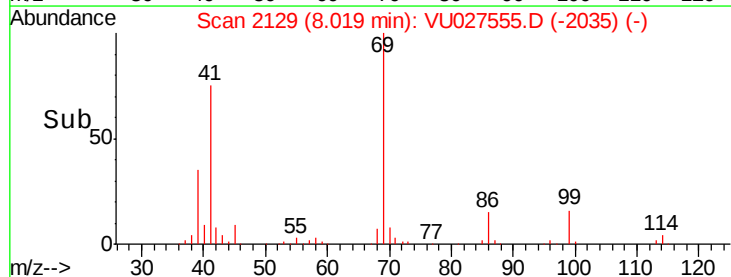
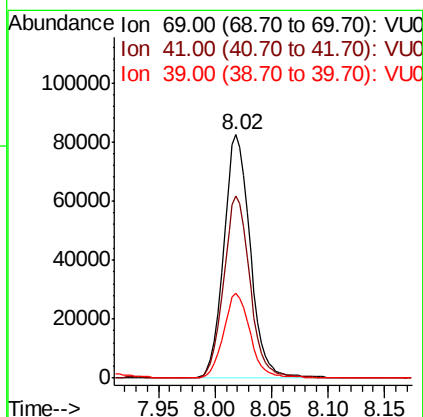
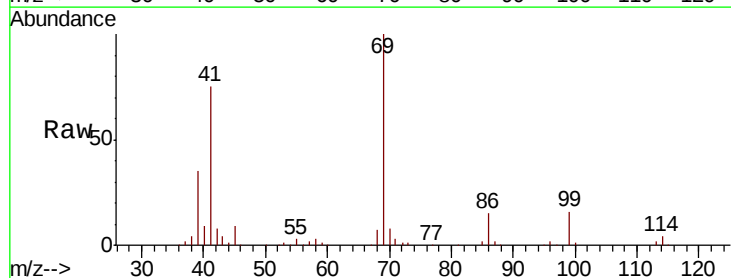
Manual Integrations
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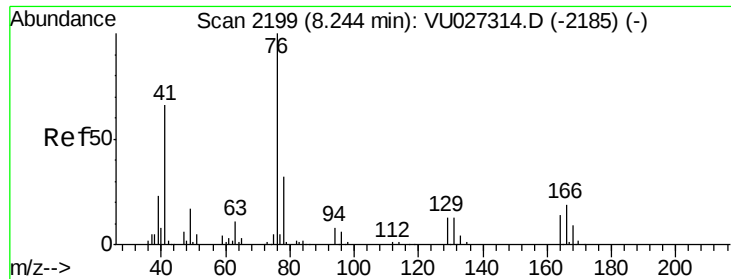
MMDadoda
 10/11/2018 9:01:52 AM



#56
 Ethyl methacrylate
 Concen: 43.889 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion:	69	Resp:	134320
Ion	Ratio	Lower	Upper
69	100		
41	74.6	60.0	90.0
39	34.7	29.5	44.3





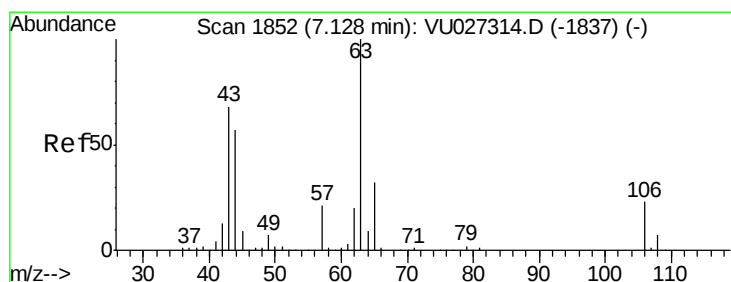
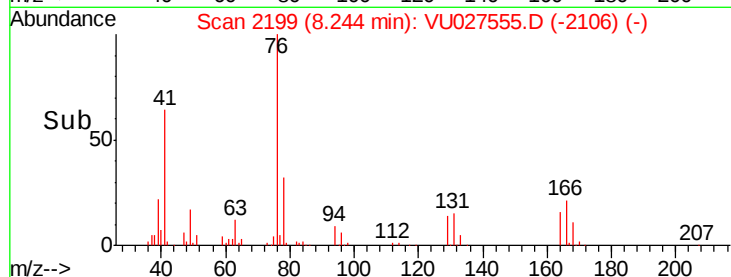
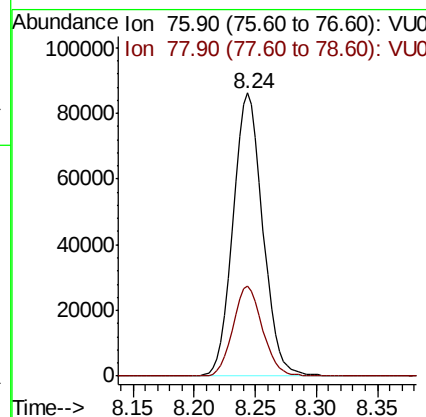
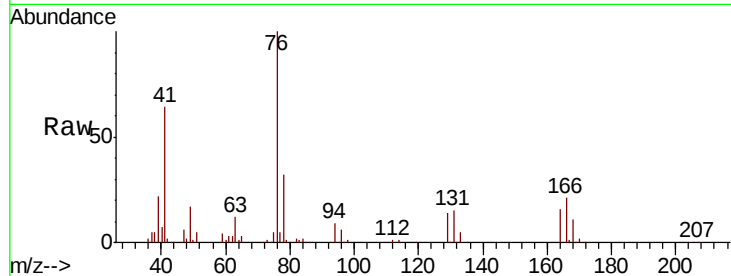
#57
 1,3-Dichloropropane
 Concen: 46.936 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.6

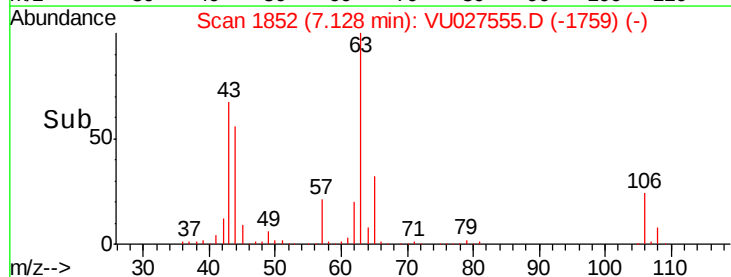
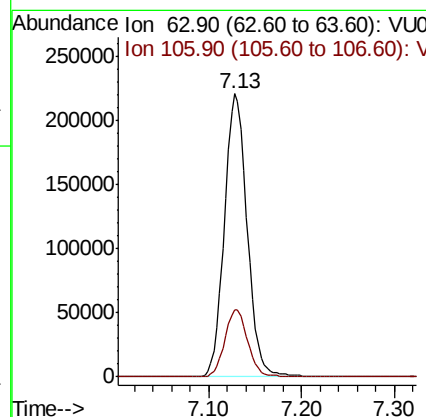
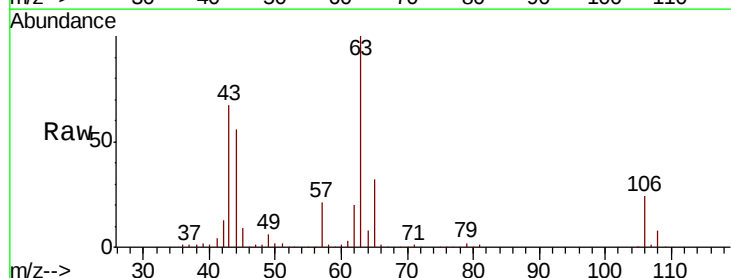
Manual Integrations
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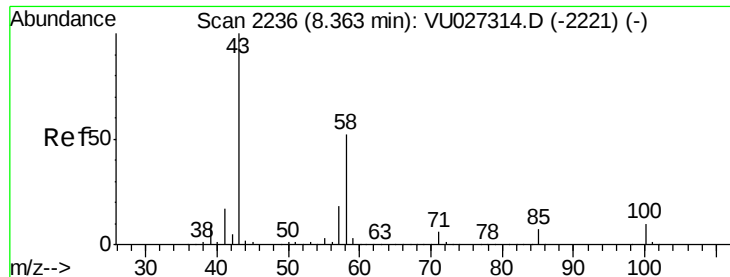
MMDadoda
 10/11/2018 9:01:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 224.002 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.9	18.5	27.7





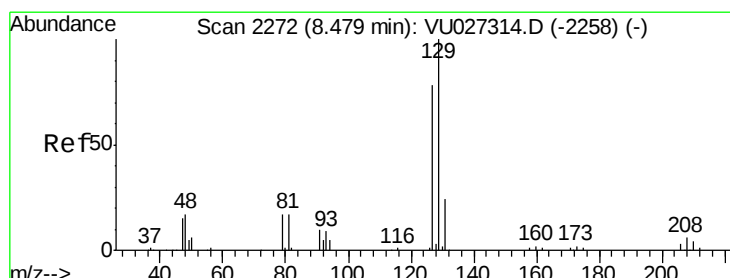
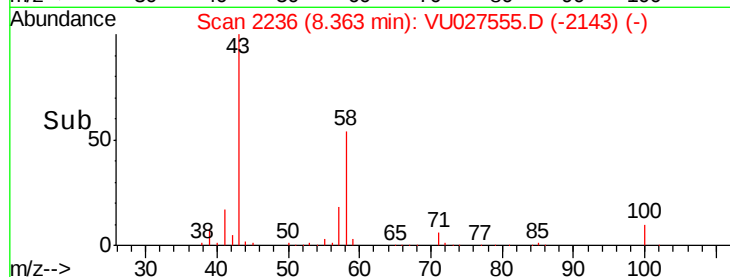
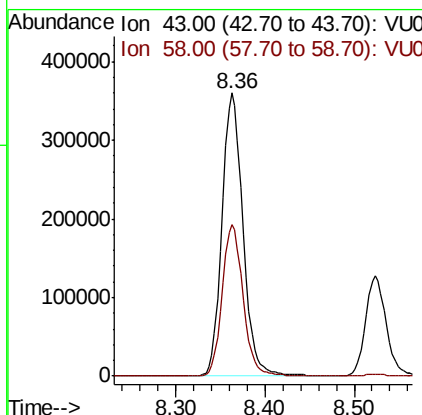
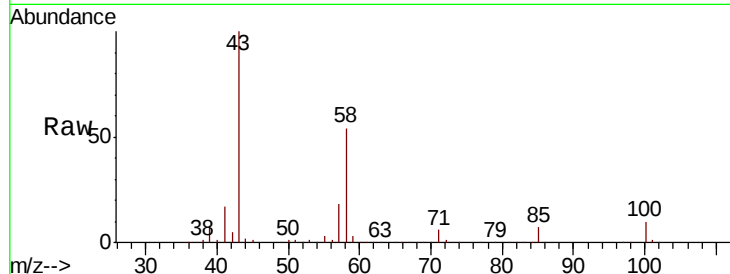
#59
2-Hexanone
Concen: 247.316 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 588916
Ion Ratio Lower Upper
43 100
58 53.2 26.1 78.3

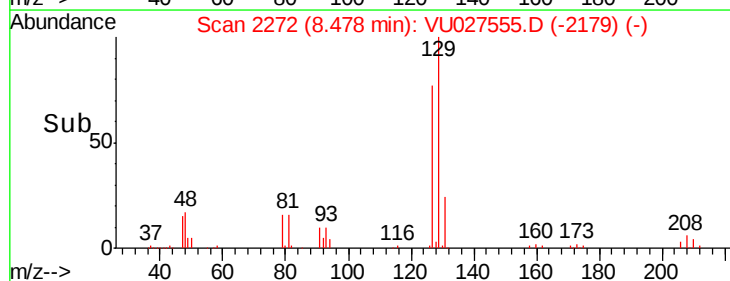
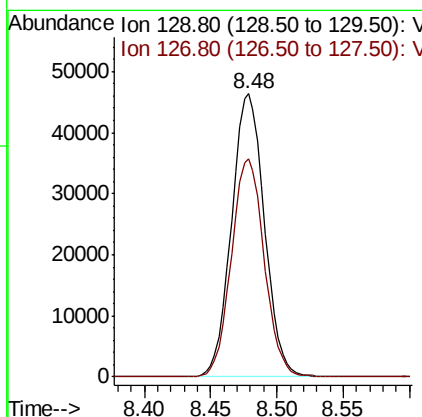
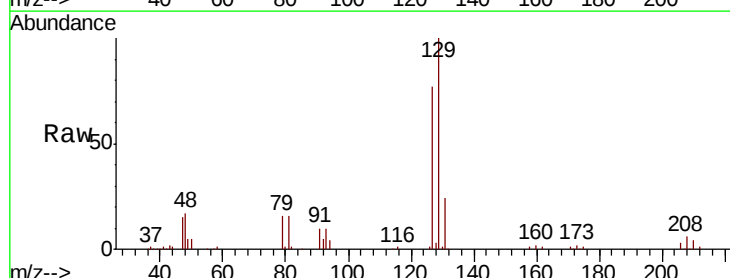
Manual Integrations
APPROVED

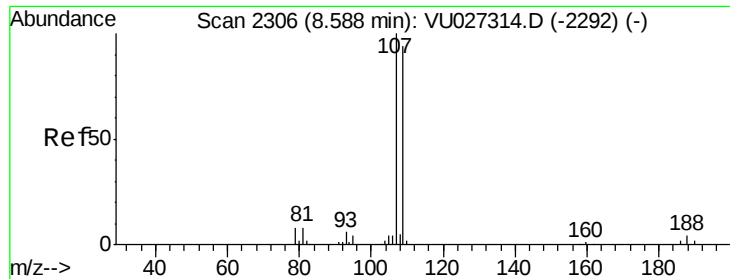
MMDadoda
10/11/2018 9:01:52 AM



#60
Dibromochloromethane
Concen: 49.518 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion: 129 Resp: 79900
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





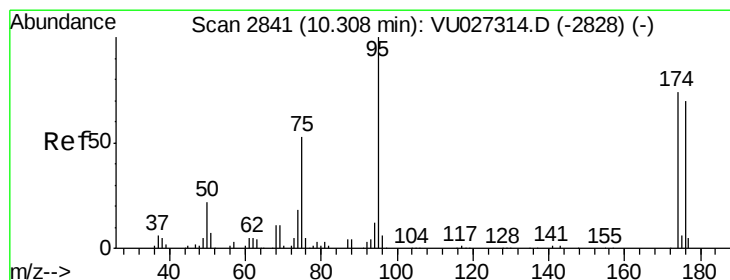
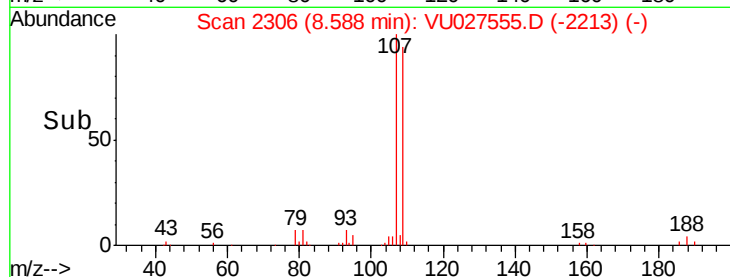
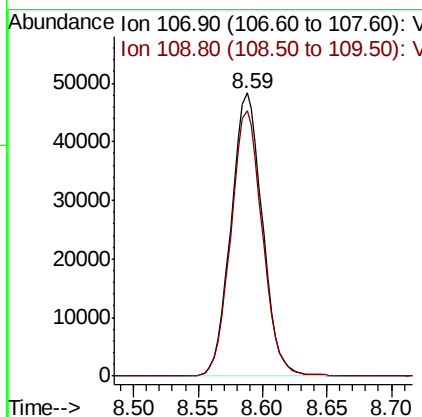
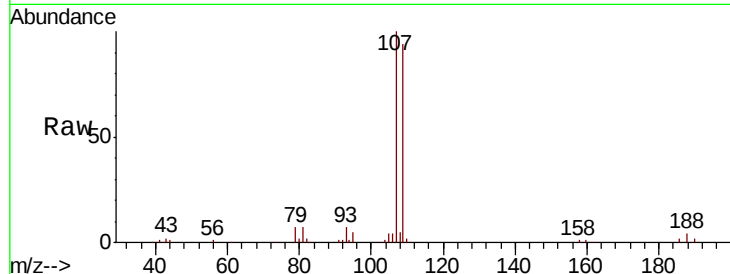
#61
 1,2-Dibromoethane
 Concen: 47.644 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.5	111.7

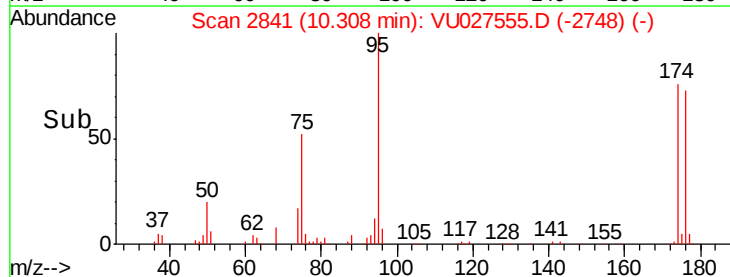
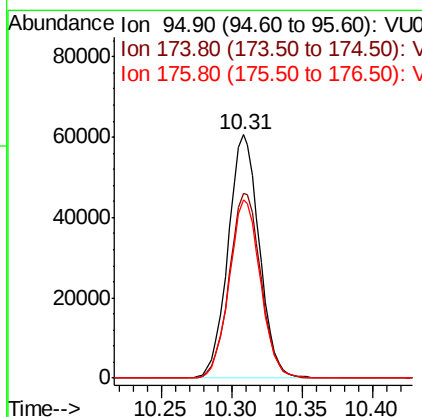
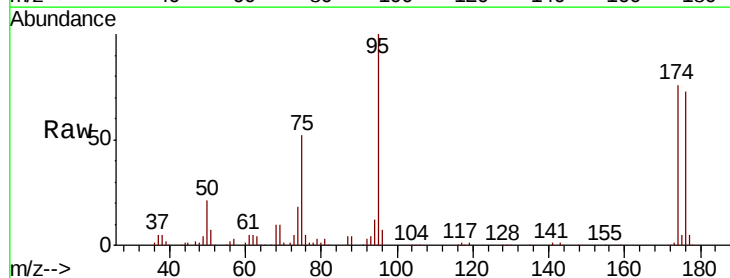
Manual Integrations
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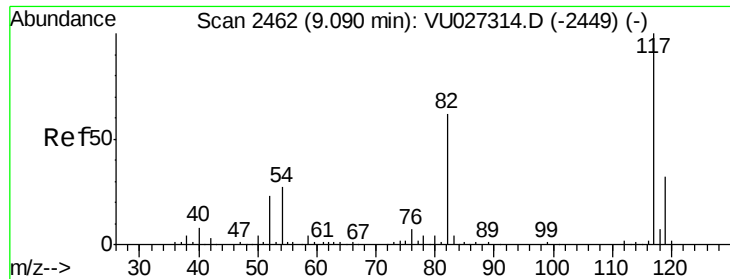
MMDadoda
 10/11/2018 9:01:52 AM



#62
 4-Bromofluorobenzene
 Concen: 45.345 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	147.8
176	73.5	0.0	140.8





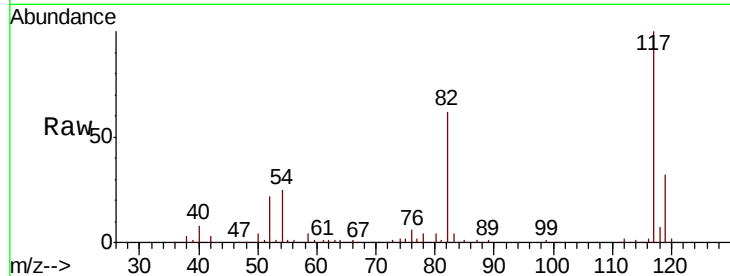
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	32.3	25.7	38.5

Manual Integrations
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MMDadoda
10/11/2018 9:01:52 AM

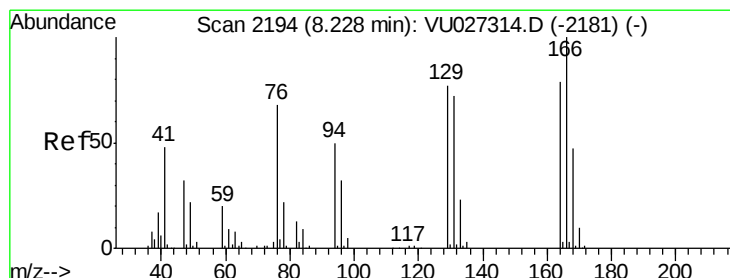
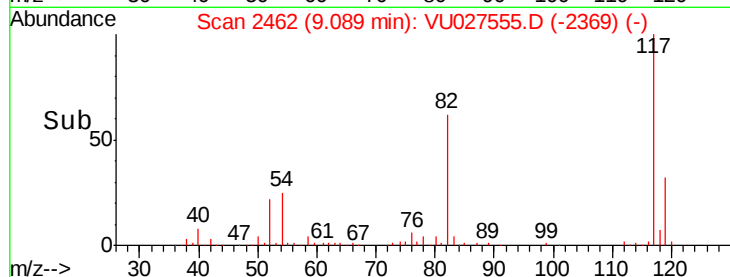
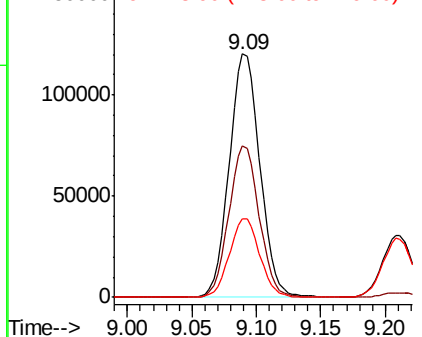


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.180 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.0	151.6
129	94.8	78.0	117.0
131	91.6	72.6	109.0

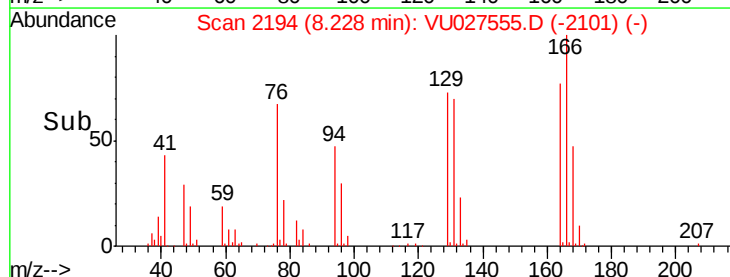
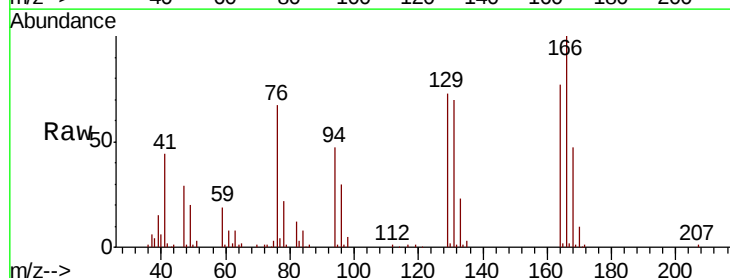
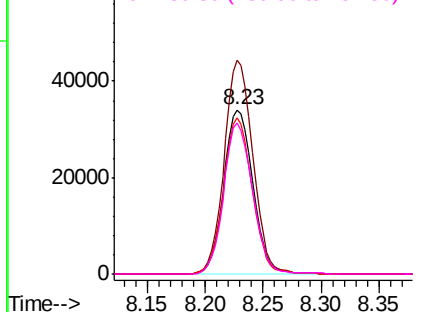
Abundance

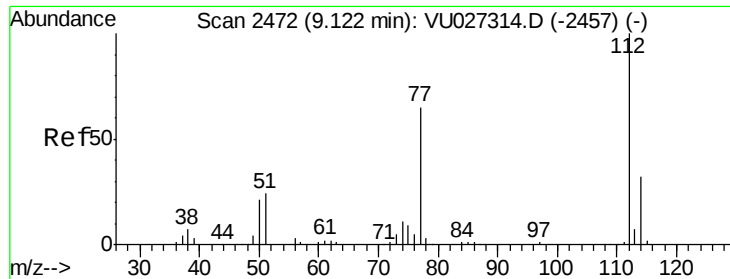
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





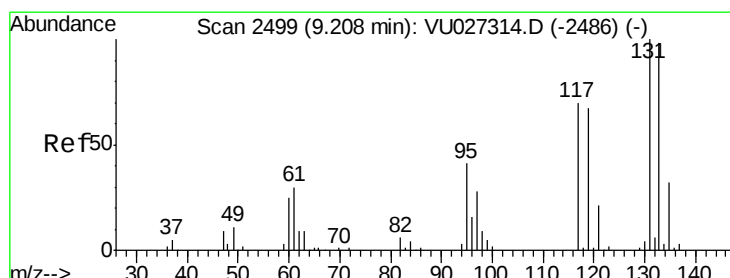
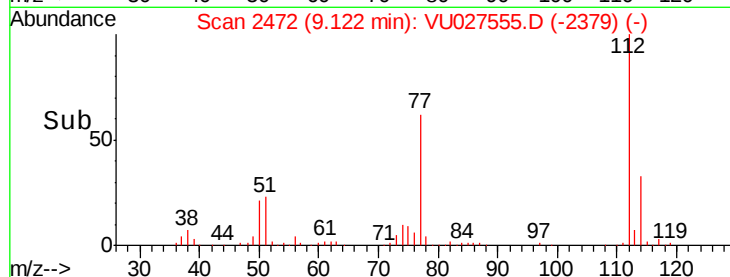
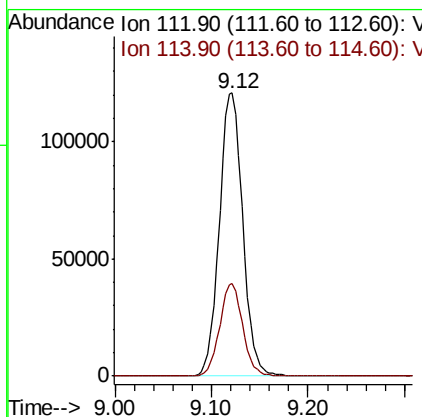
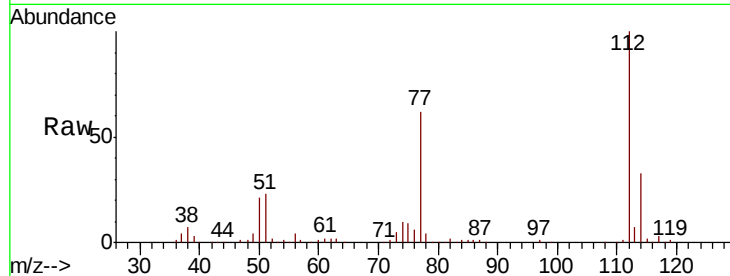
#65
Chlorobenzene
Concen: 48.475 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 202759
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

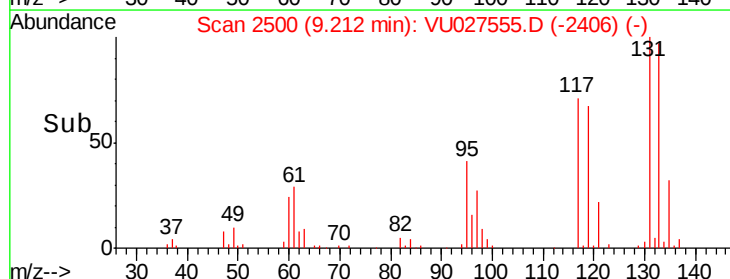
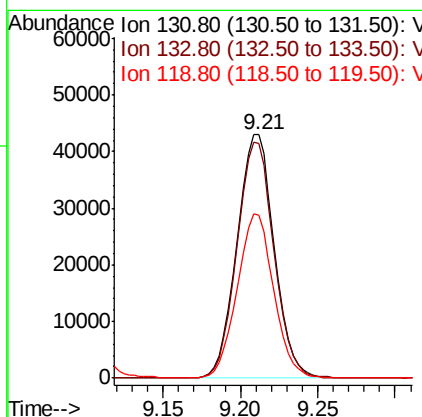
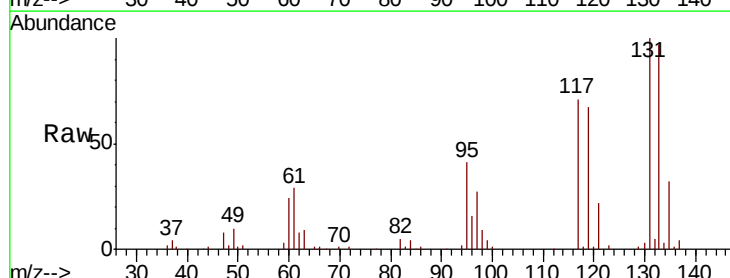
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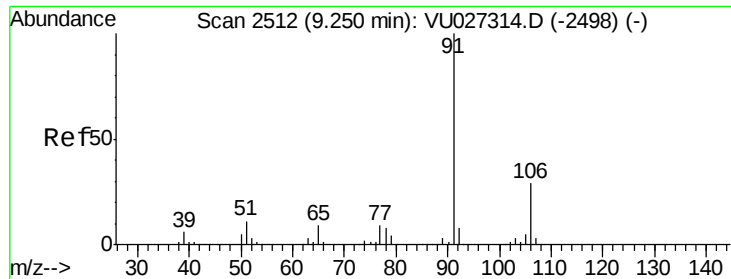
MMDadoda
10/11/2018 9:01:52 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.821 ug/l
RT: 9.21 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion:131 Resp: 71939
Ion Ratio Lower Upper
131 100
133 96.4 48.5 145.6
119 66.2 33.5 100.4





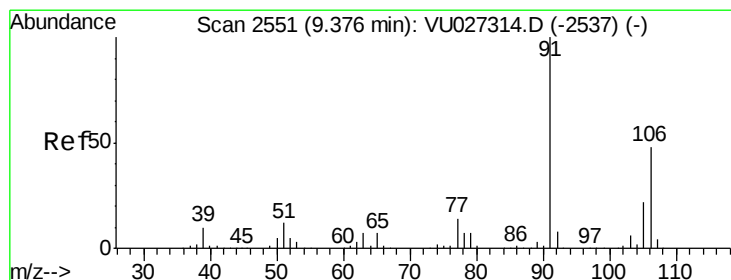
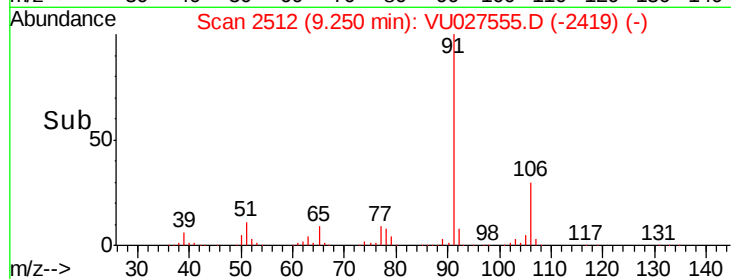
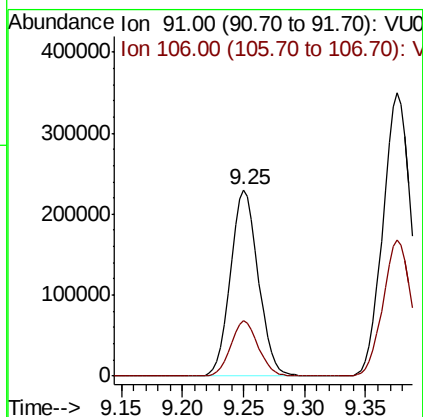
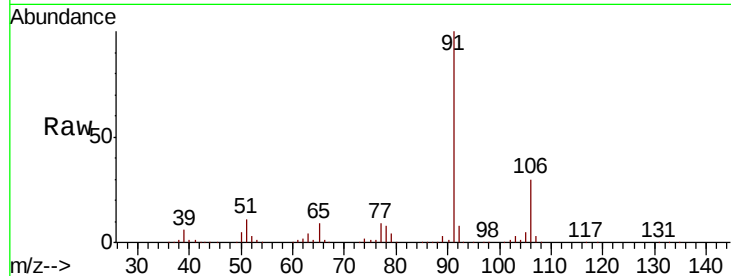
#67
Ethyl Benzene
Concen: 49.381 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 365944
Ion Ratio Lower Upper
91 100
106 29.8 23.6 35.4

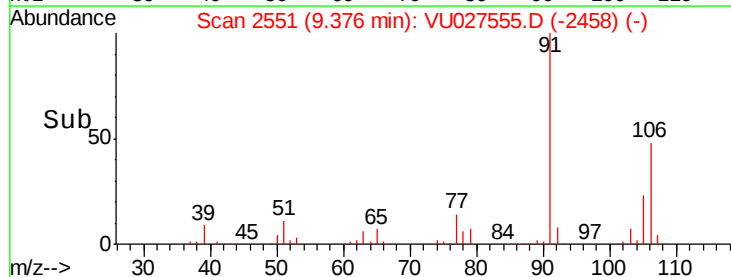
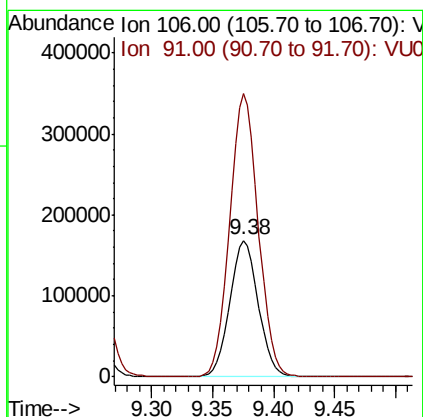
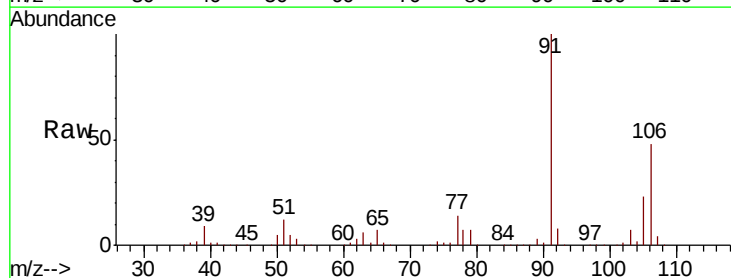
Manual Integrations
APPROVED

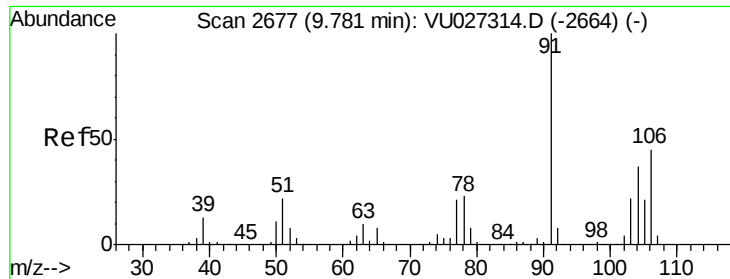
MMDadoda
10/11/2018 9:01:52 AM



#68
m/p-Xylenes
Concen: 101.103 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion: 106 Resp: 274060
Ion Ratio Lower Upper
106 100
91 207.7 168.1 252.1





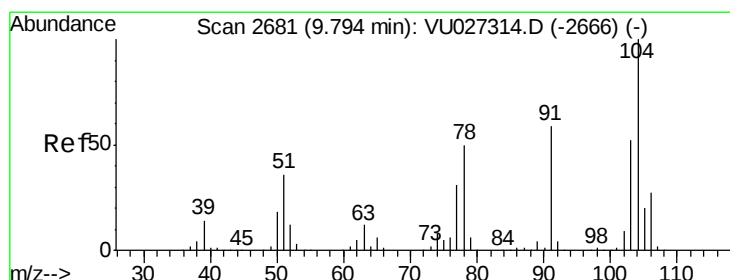
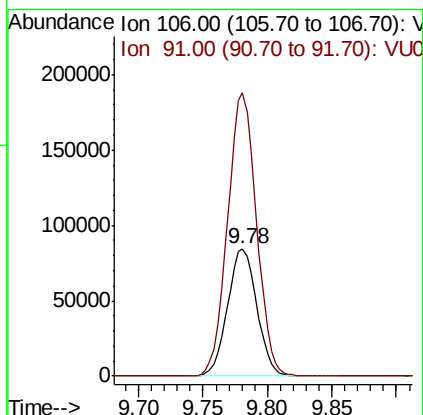
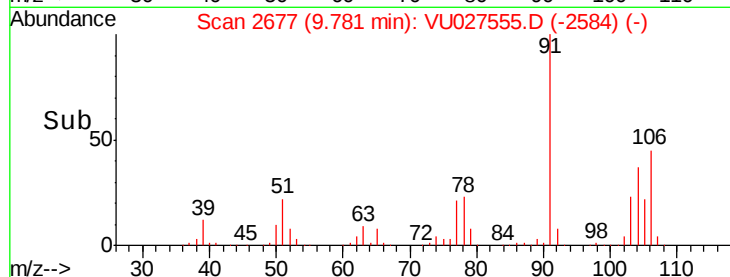
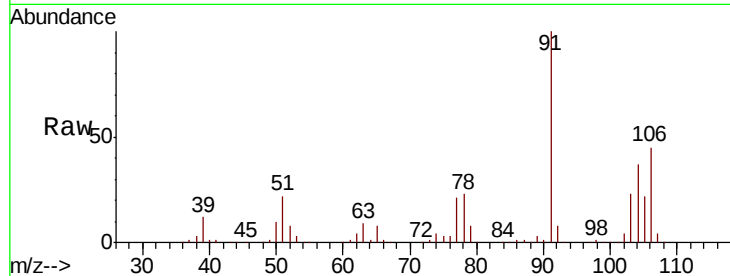
#69
o-Xylene
Concen: 51.746 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 133296
Ion Ratio Lower Upper
106 100
91 219.2 111.7 334.9

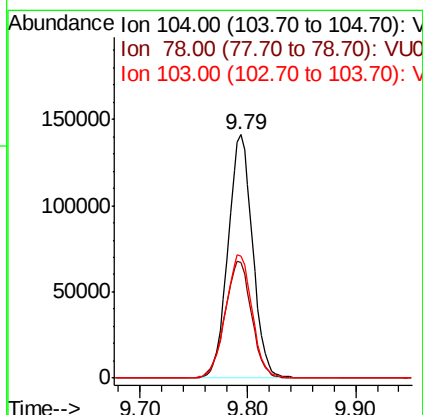
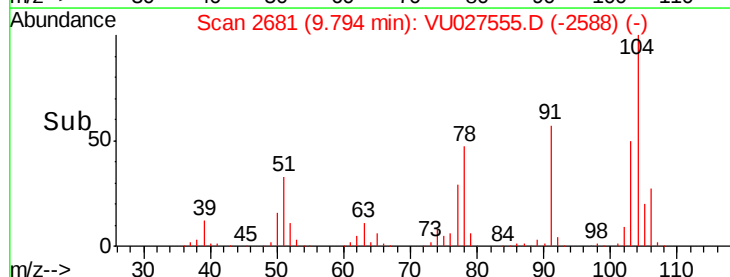
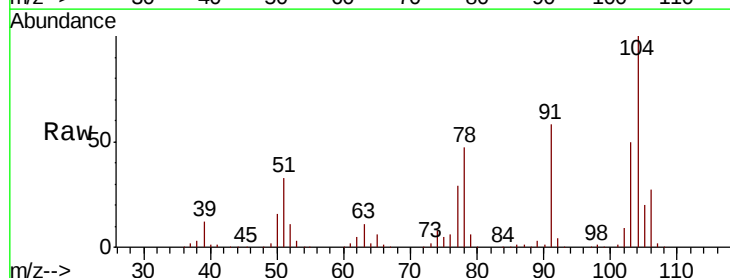
Manual Integrations
APPROVED

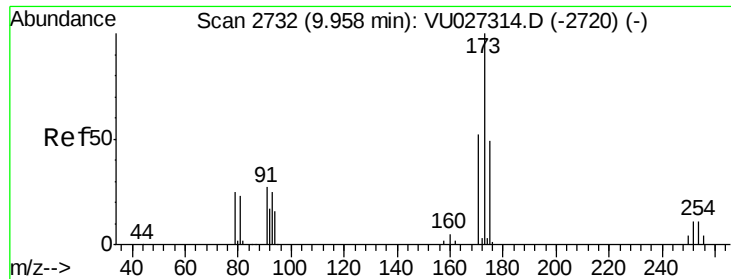
MMDadoda
10/11/2018 9:01:52 AM



#70
Styrene
Concen: 46.741 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion:104 Resp: 224309
Ion Ratio Lower Upper
104 100
78 52.0 42.9 64.3
103 54.6 43.9 65.9





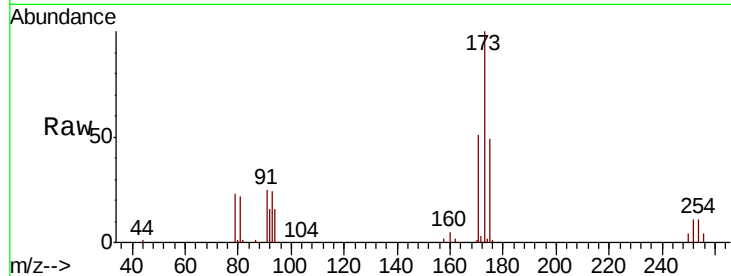
#71
Bromoform
Concen: 51.374 ug/l
RT: 9.96 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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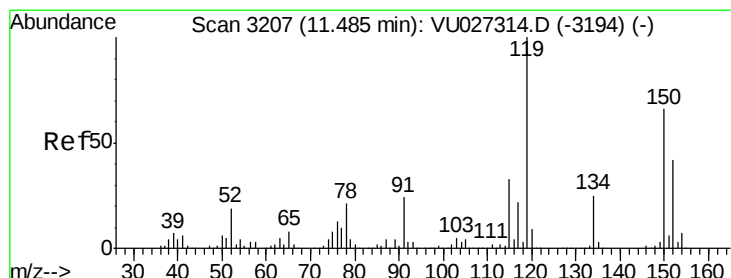
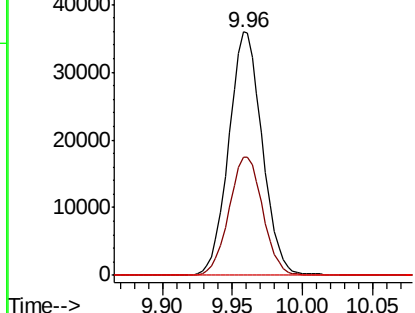
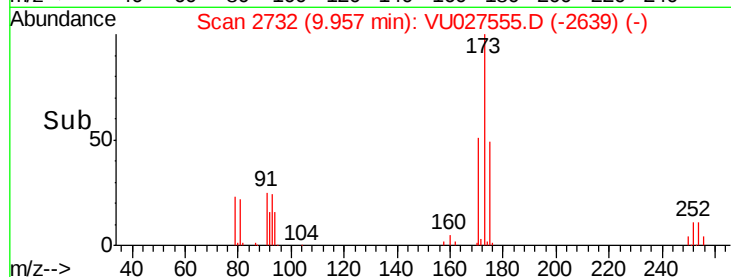


Abundance

Ion 172.70 (172.40 to 173.40): V

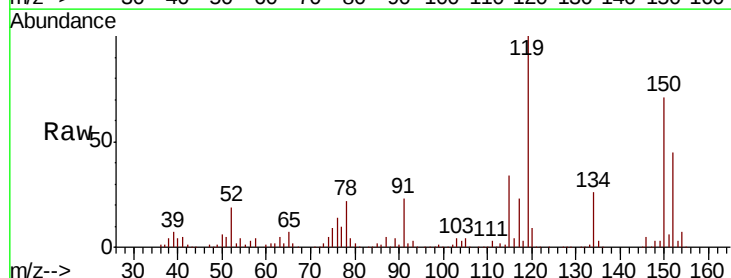
Ion 174.70 (174.40 to 175.40): V

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: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.7	43.4	130.2
150	172.9	0.0	349.2

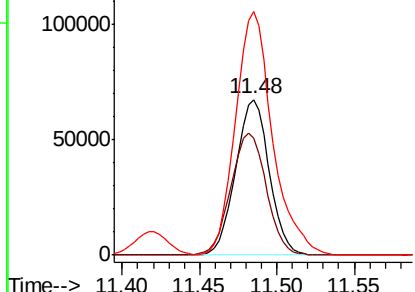
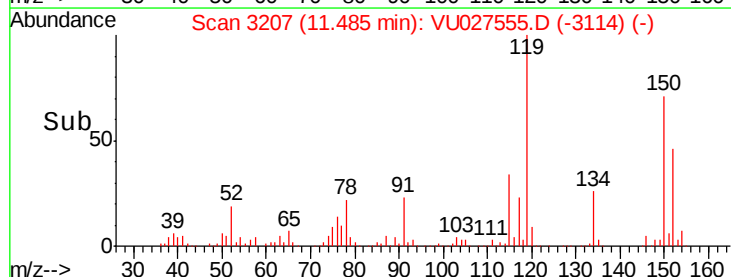


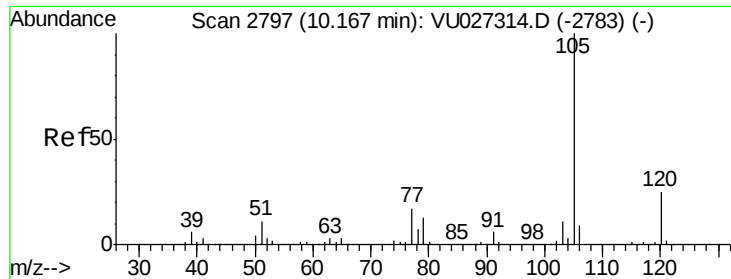
Abundance

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: 49.015 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 361258

Ion Ratio Lower Upper

105 100

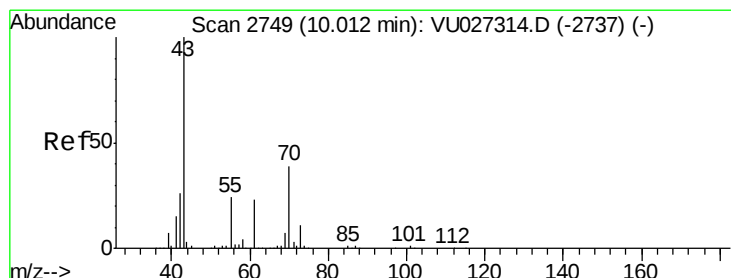
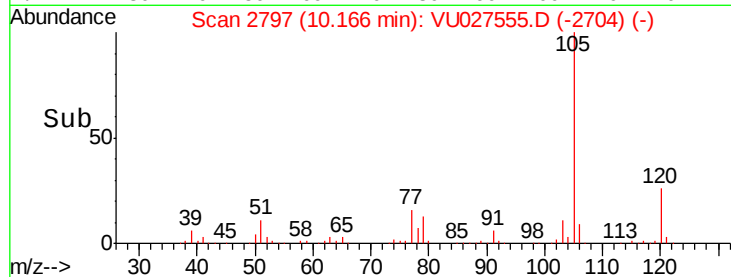
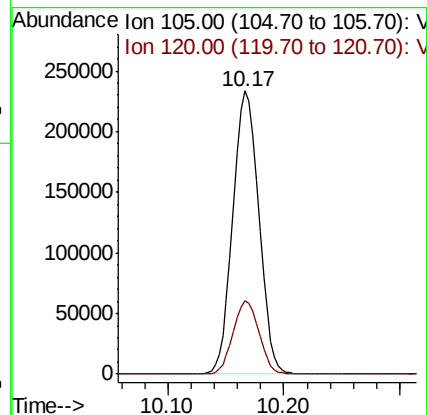
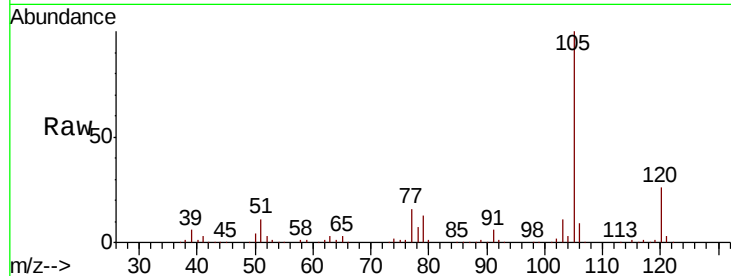
120 25.8 12.6 37.8

Manual Integrations

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10/11/2018 9:01:52 AM



#74

N-ethyl acetate

Concen: 47.993 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Tgt Ion: 43 Resp: 202504

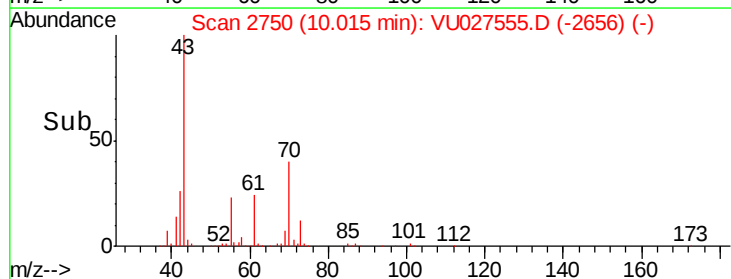
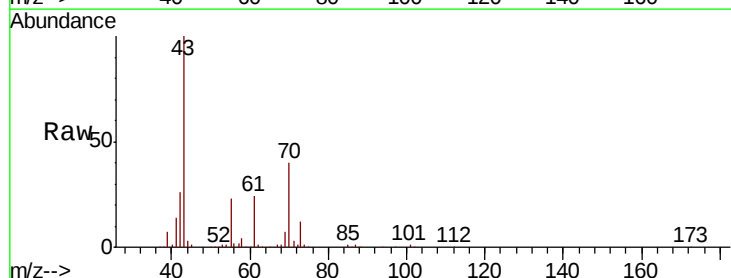
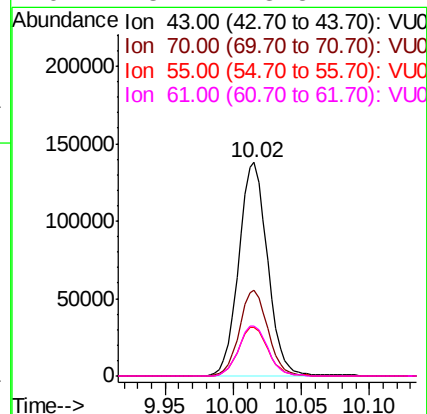
Ion Ratio Lower Upper

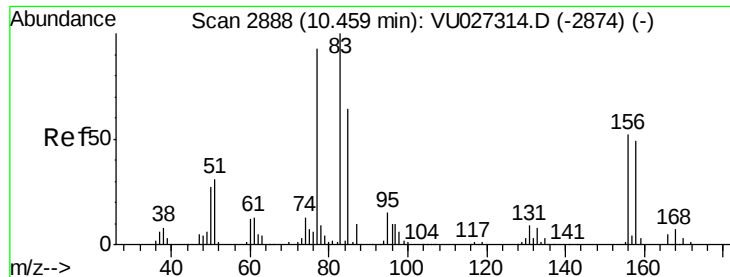
43 100

70 39.8 31.3 46.9

55 23.6 19.0 28.6

61 23.7 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 47.267 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 136793

Ion Ratio Lower Upper

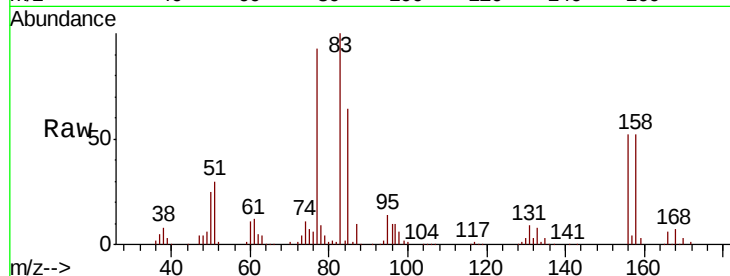
83 100

131 8.8 4.4 13.2

85 64.1 32.0 96.0

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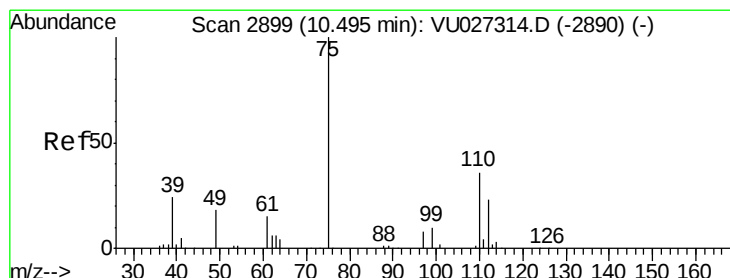
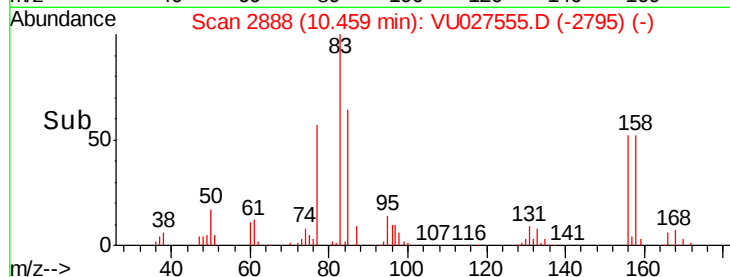
Abundance Ion 82.90 (82.60 to 83.60): VU027314.D (-2874) (-)

Ion 130.80 (130.50 to 131.50): VU027314.D (-2874) (-)

Ion 84.90 (84.60 to 85.60): VU027314.D (-2874) (-)

10.46

Time-->



#76

1,2,3-Trichloropropane

Concen: 44.698 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VU027555.D

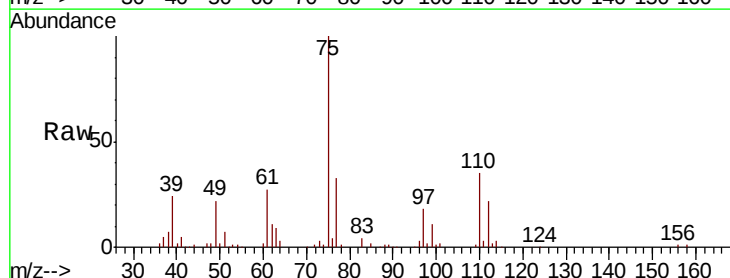
Acq: 10 Oct 2018 08:07

Tgt Ion: 75 Resp: 117583

Ion Ratio Lower Upper

75 100

77 44.9 20.3 60.9

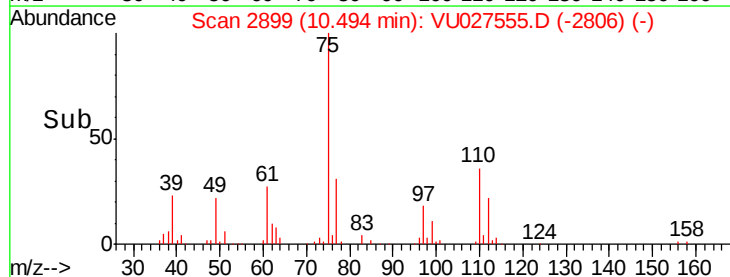


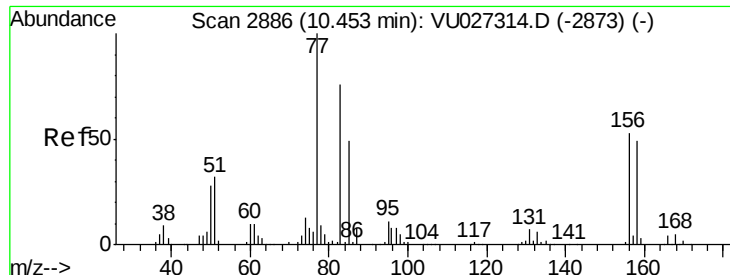
Abundance Ion 74.90 (74.60 to 75.60): VU027314.D (-2890) (-)

Ion 77.00 (76.70 to 77.70): VU027314.D (-2890) (-)

10.49

Time-->





#77

Bromobenzene

Concen: 47.943 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

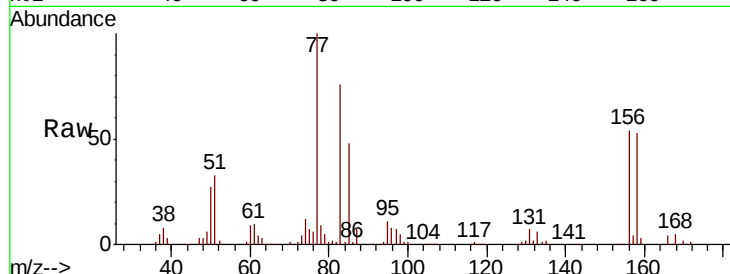
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	82122
Ion	Ratio	Lower	Upper
156	100		
77	185.0	94.8	284.4
158	98.8	47.4	142.3

Manual Integrations
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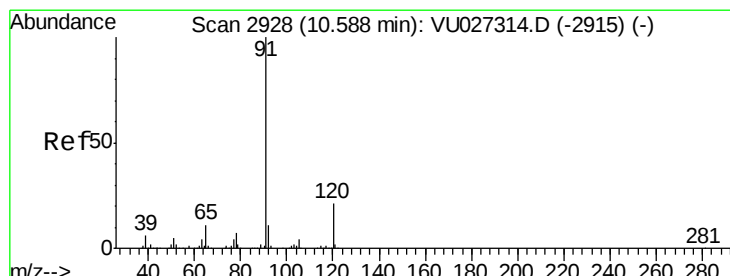
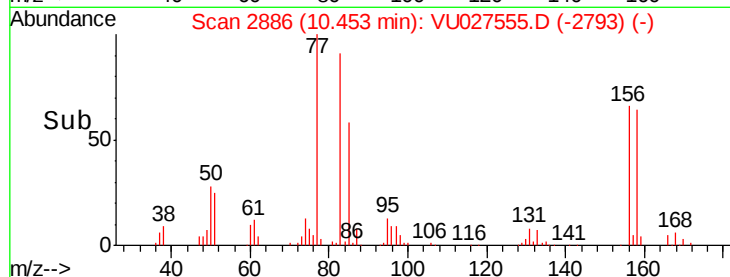
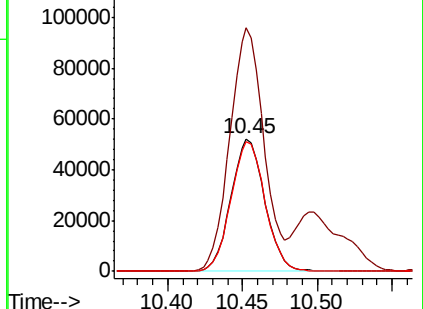
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.553 ug/l

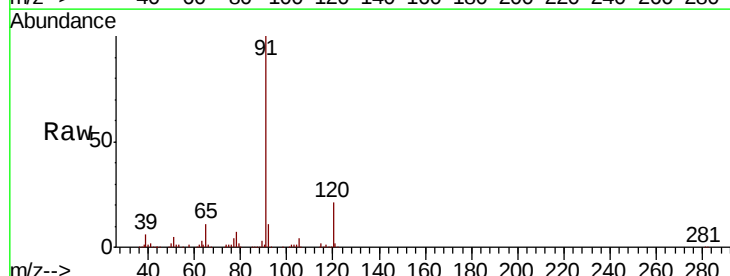
RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU027555.D

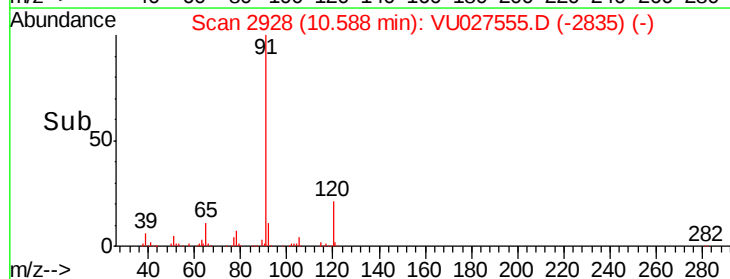
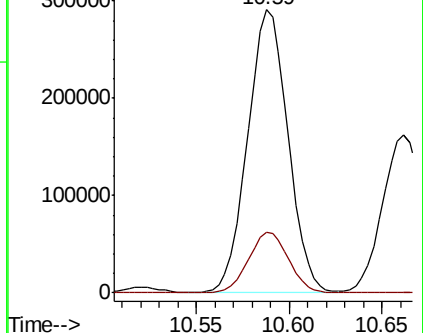
Acq: 10 Oct 2018 08:07

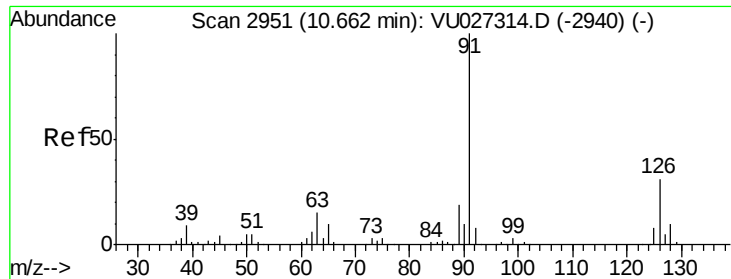
Tgt Ion:	91	Resp:	438868
Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.6	31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





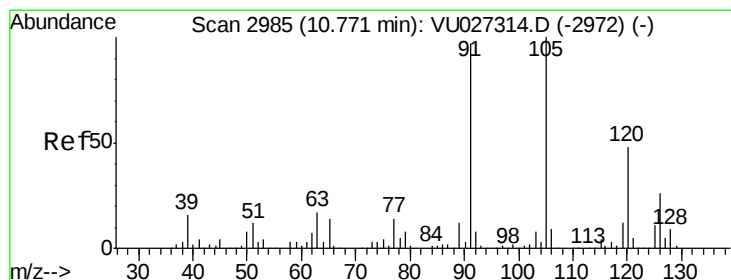
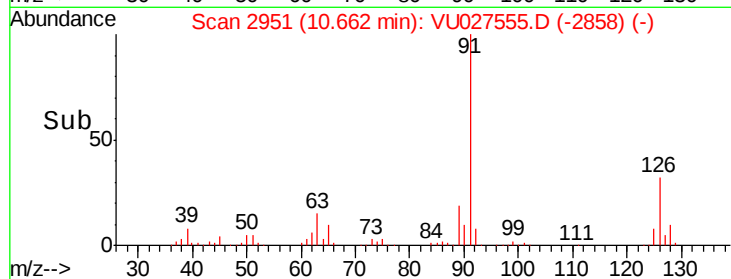
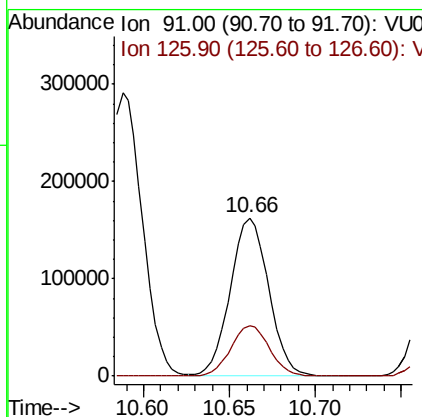
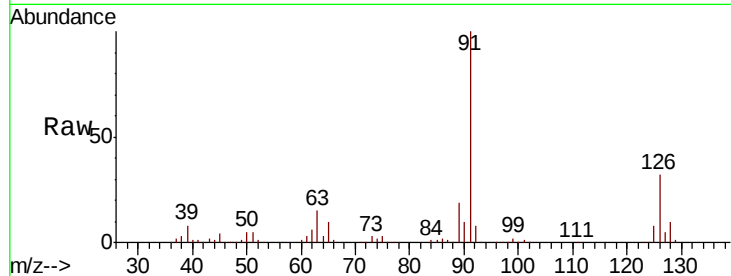
#79
 2-Chlorotoluene
 Concen: 47.241 ug/l
 RT: 10.66 min Scan# 2951
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 252619
 Ion Ratio Lower Upper
 91 100
 126 32.4 15.7 47.1

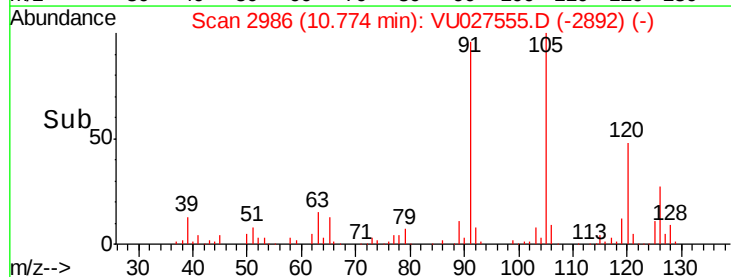
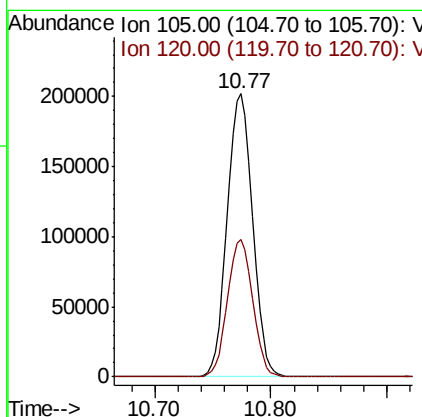
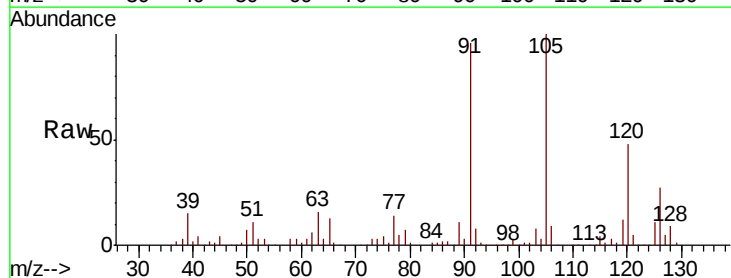
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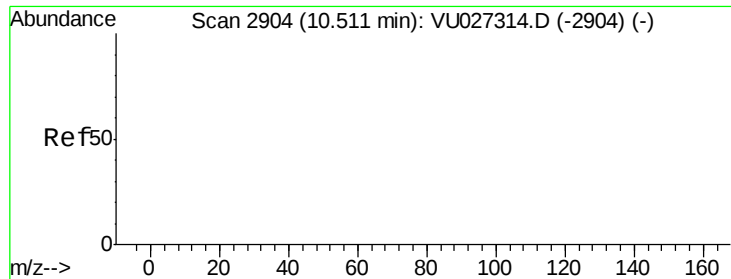
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.721 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion: 105 Resp: 304356
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.222 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

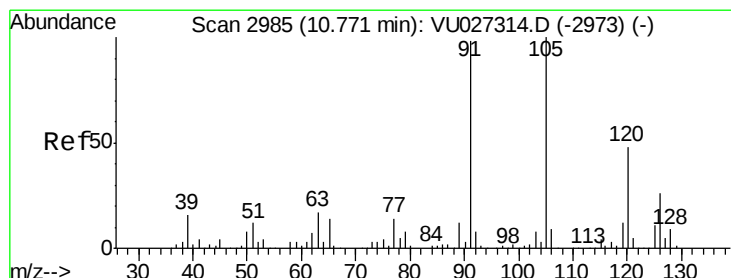
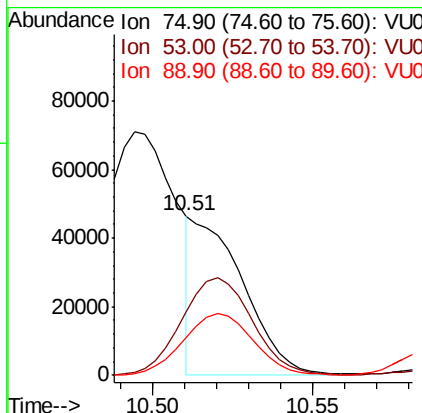
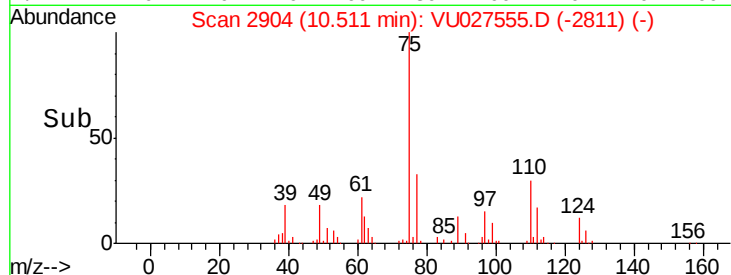
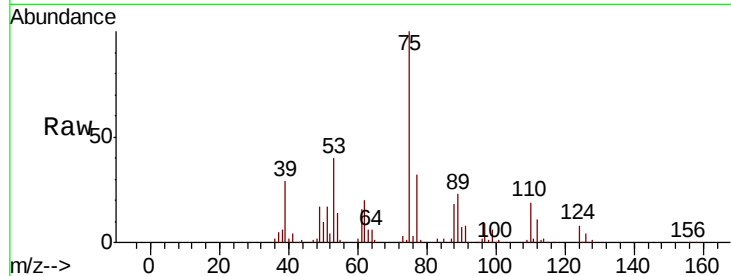
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	50481
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: 49.024 ug/l

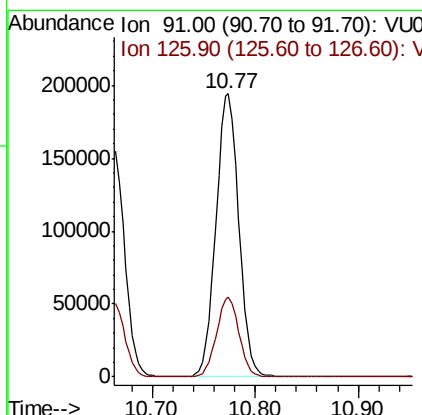
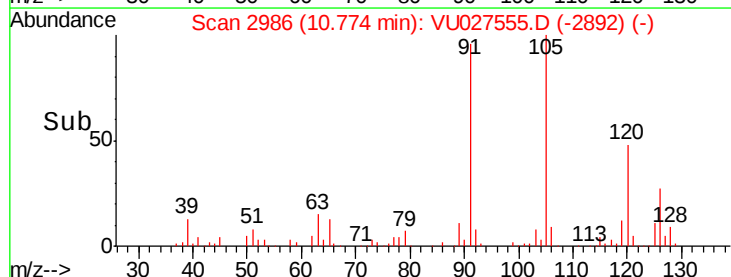
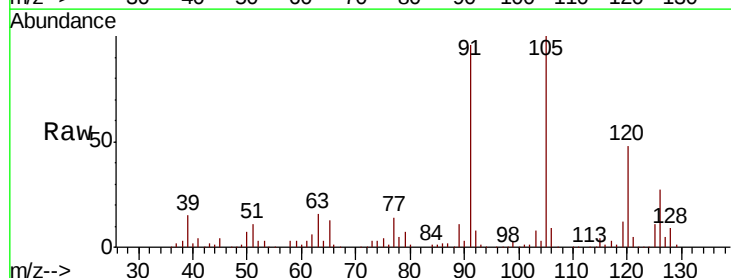
RT: 10.77 min Scan# 2986

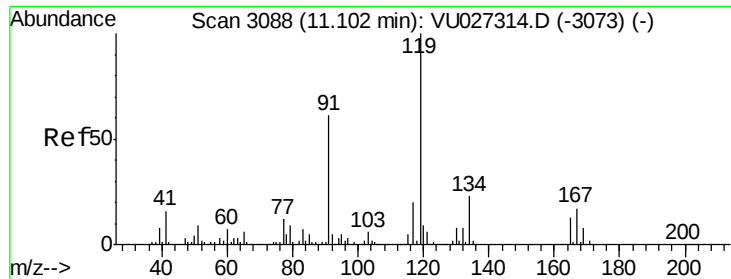
Delta R.T. 0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Tgt Ion:	91	Resp:	297492
Ion Ratio	Lower	Upper	
91	100		
126	27.8	13.6	40.8





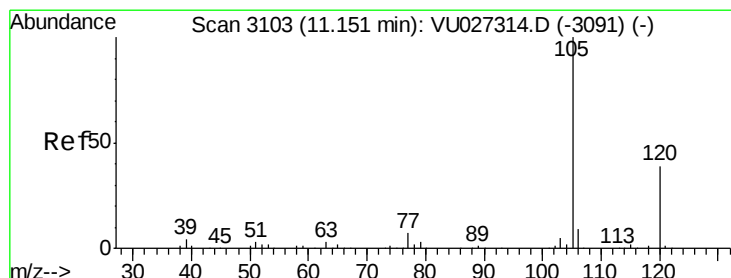
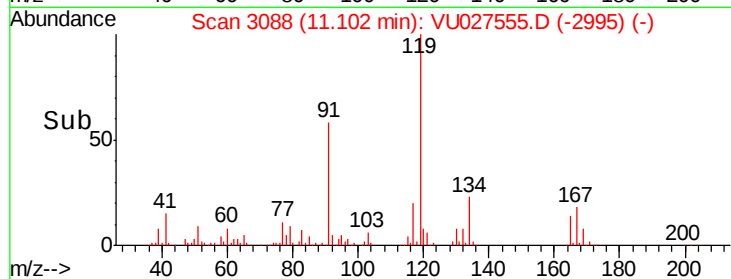
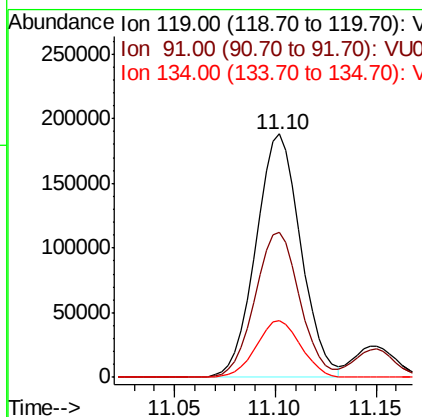
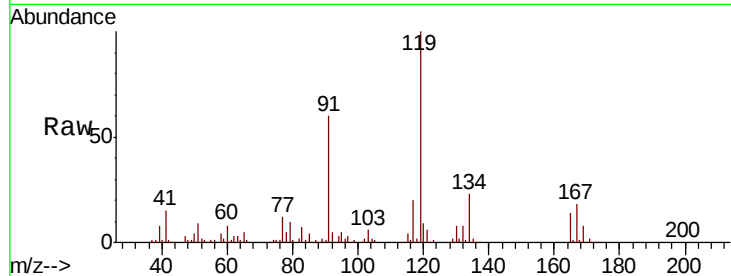
#83
tert-Butylbenzene
Concen: 50.392 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.3	91.0
134	23.2	11.5	34.4

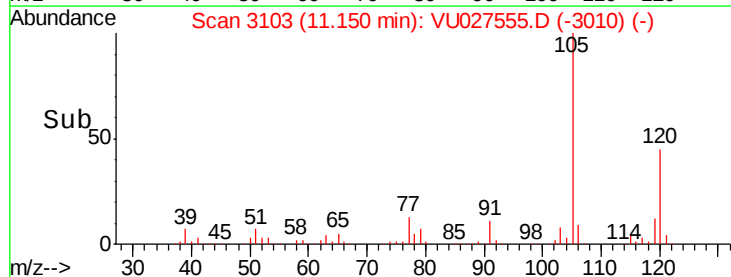
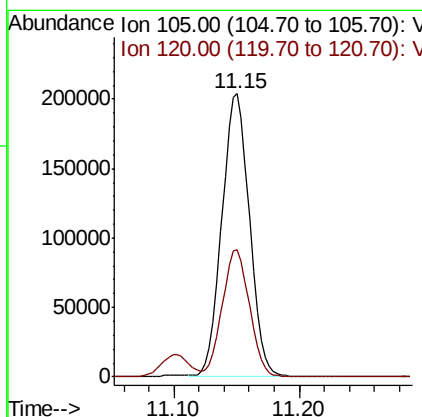
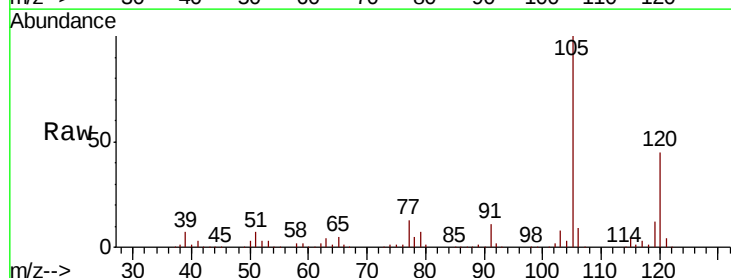
Manual Integrations
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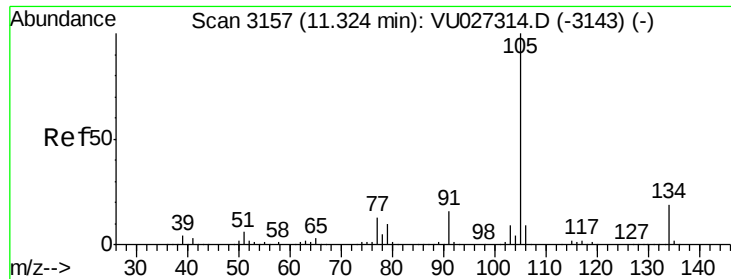
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#84
1,2,4-Trimethylbenzene
Concen: 50.628 ug/l
RT: 11.15 min Scan# 3103
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.5





#85

sec-Butylbenzene

Concen: 50.468 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 368879

Ion Ratio Lower Upper

105 100

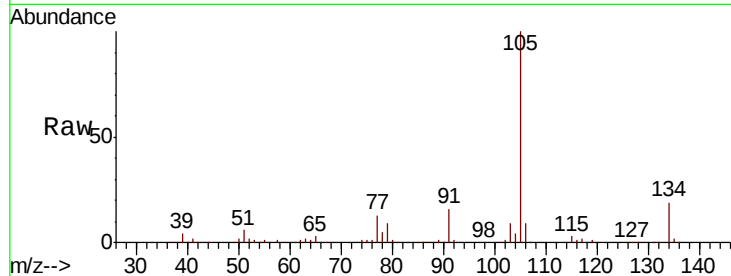
134 19.2 9.6 28.6

Manual Integrations

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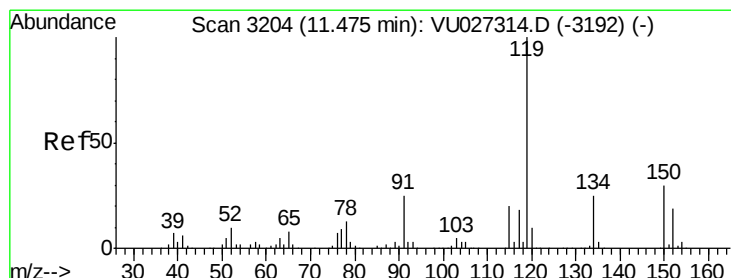
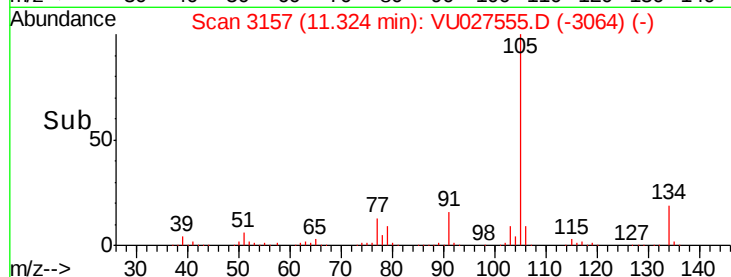
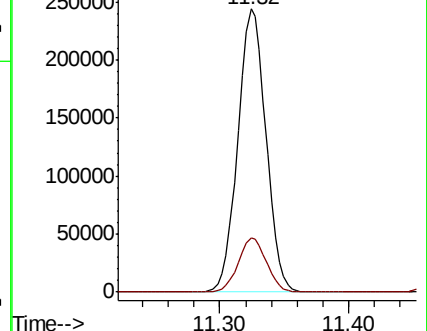
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.576 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU027555.D

Acq: 10 Oct 2018 08:07

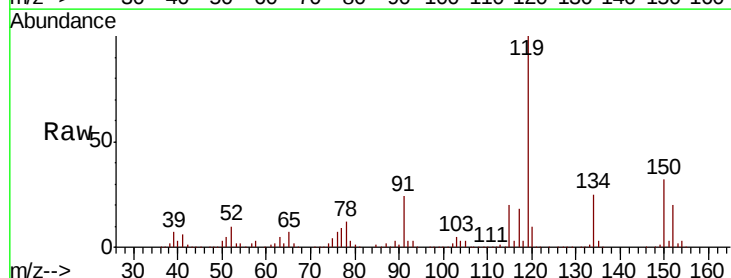
Tgt Ion:119 Resp: 322770

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.1

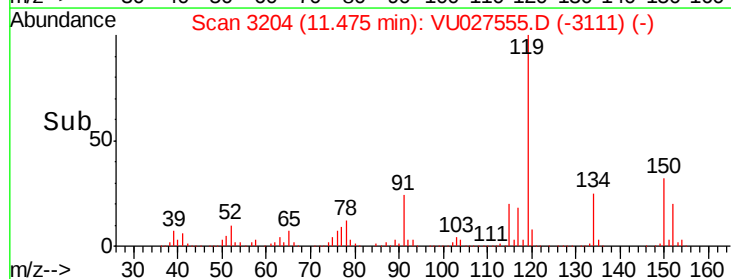
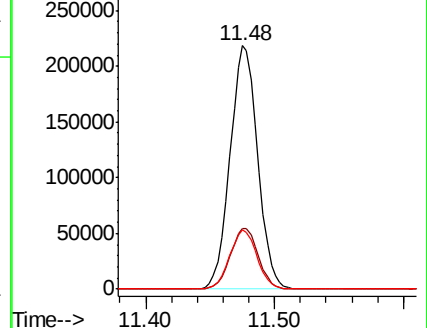
91 24.0 12.2 36.4

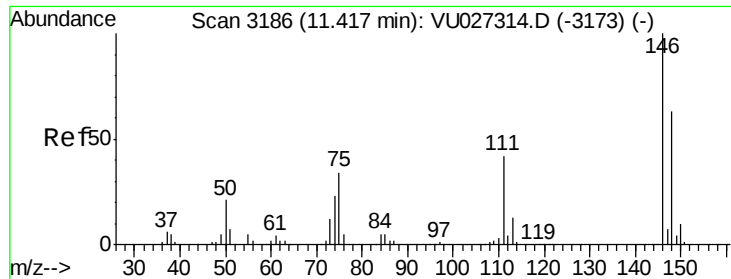


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





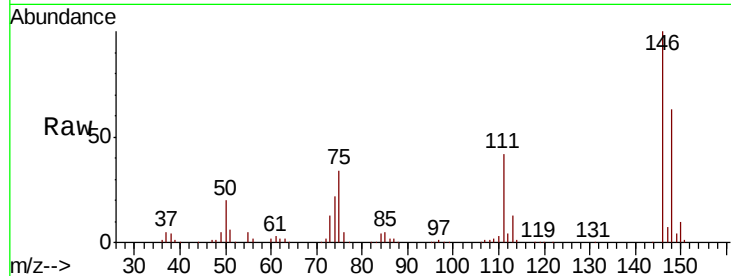
#87
 1,3-Dichlorobenzene
 Concen: 48.051 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

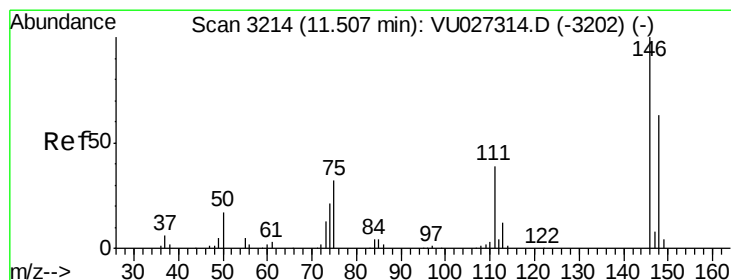
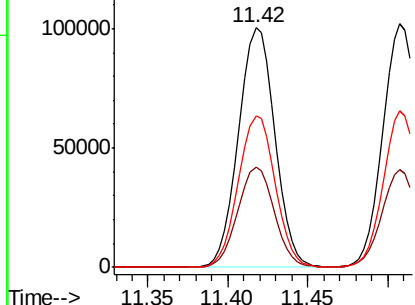
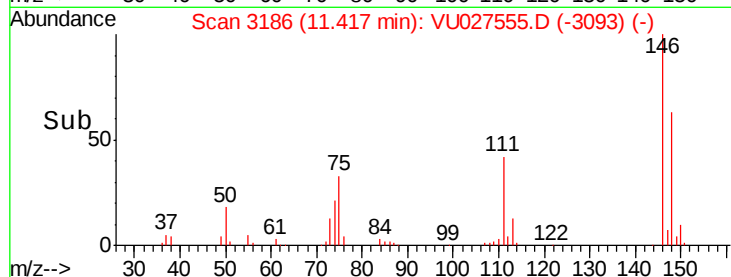
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	64.0	31.6	94.8

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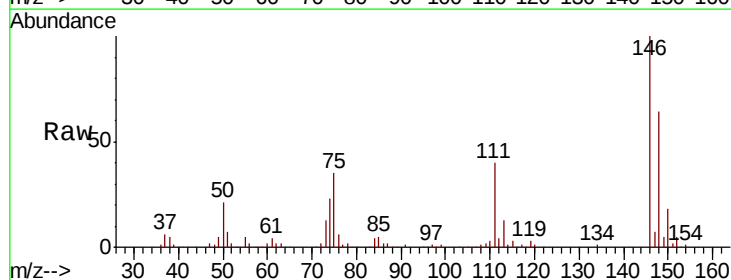


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

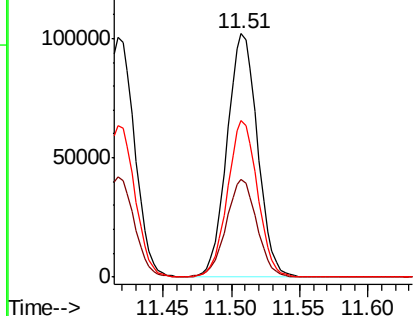
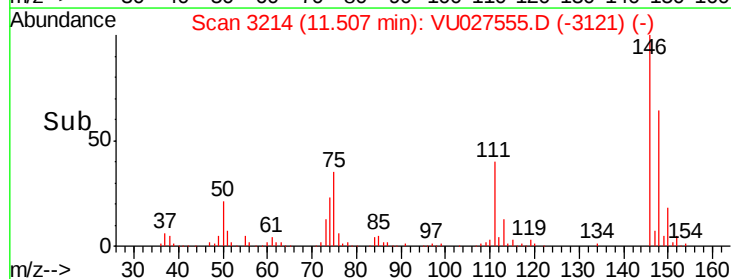


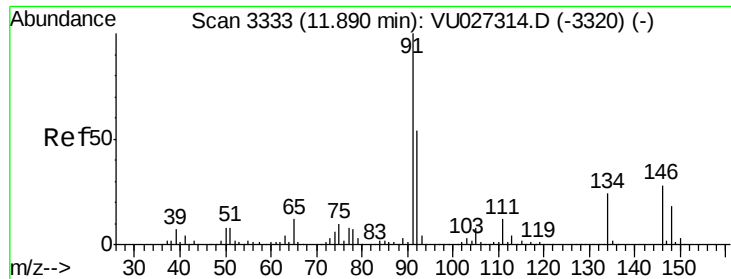
#88
 1,4-Dichlorobenzene
 Concen: 47.709 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.2
148	63.5	31.9	95.5



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





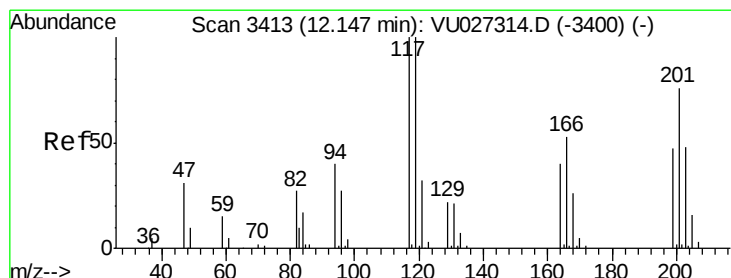
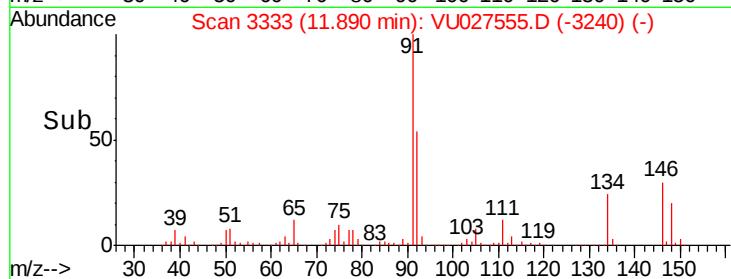
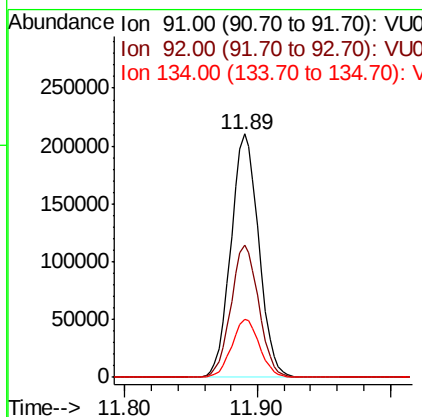
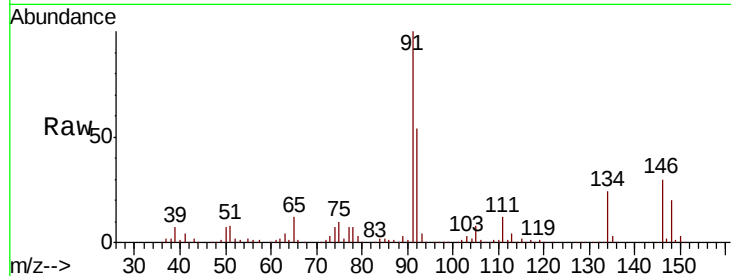
#89
n-Butylbenzene
Concen: 46.381 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.0	81.0
134	23.7	11.7	35.1

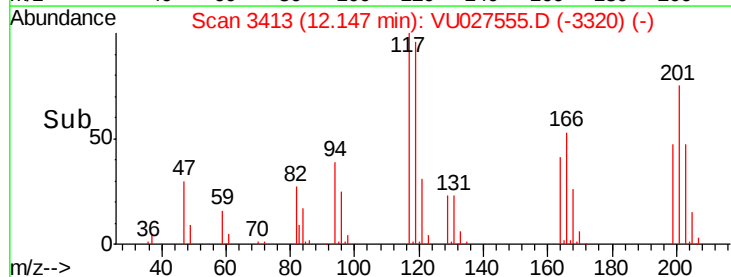
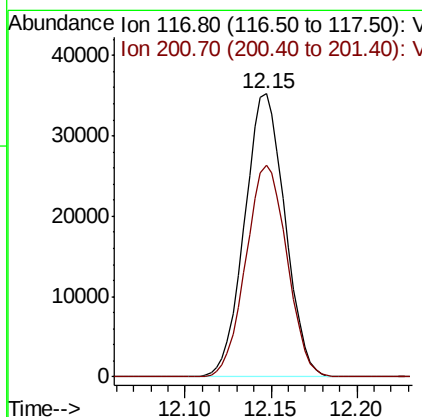
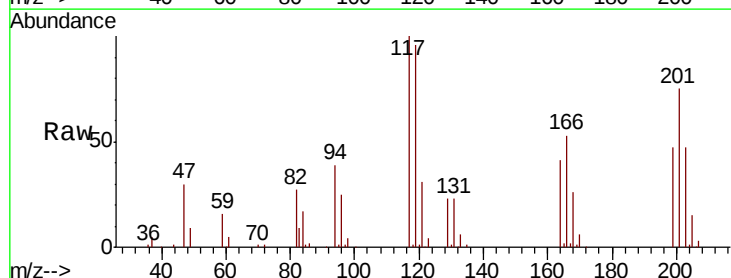
Manual Integrations
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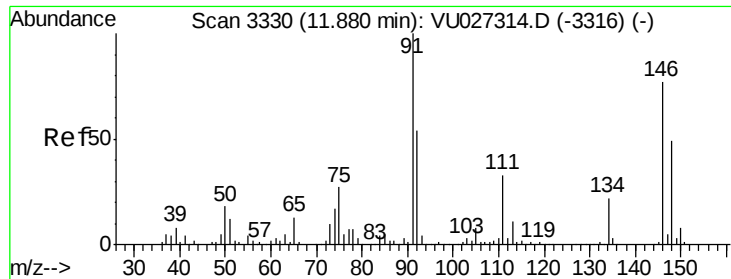
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#90
Hexachloroethane
Concen: 48.746 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	37.9	113.6





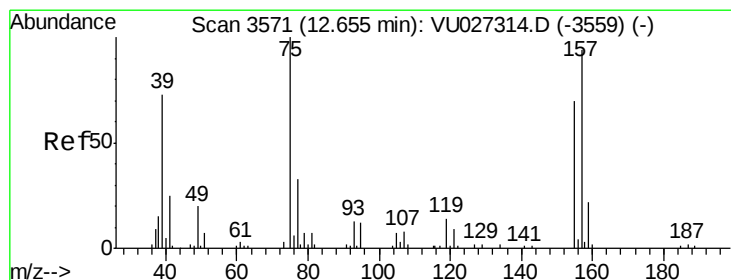
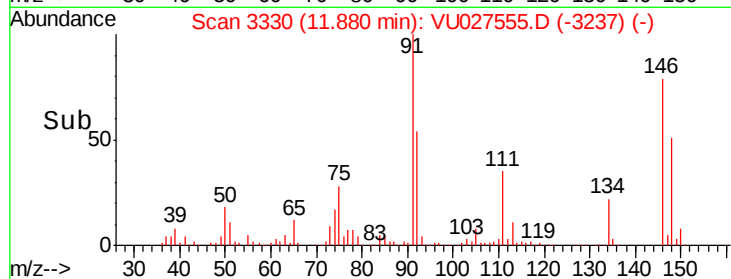
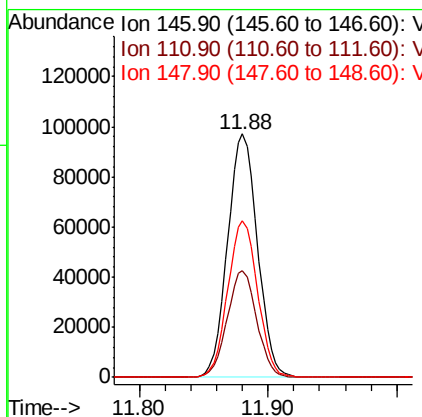
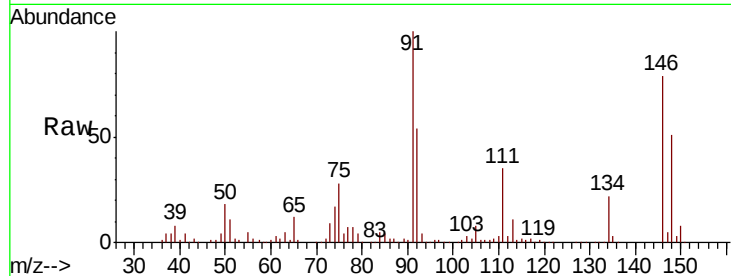
#91
 1,2-Dichlorobenzene
 Concen: 49.387 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.8	65.4
148	64.2	31.9	95.5

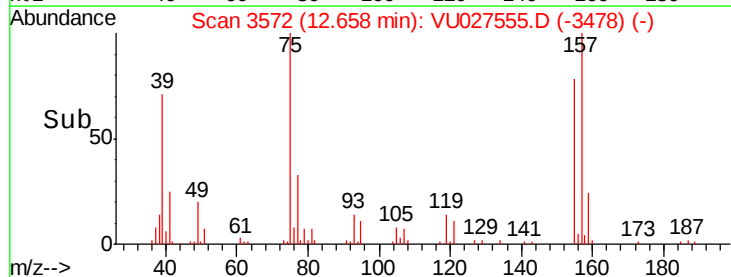
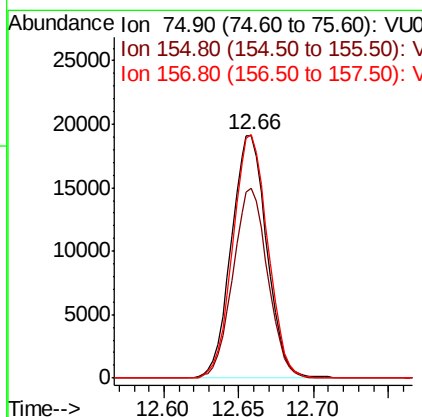
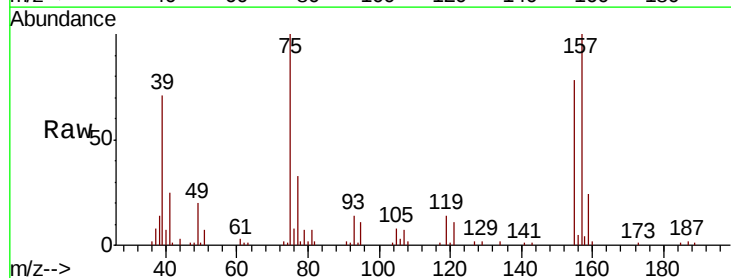
Manual Integrations
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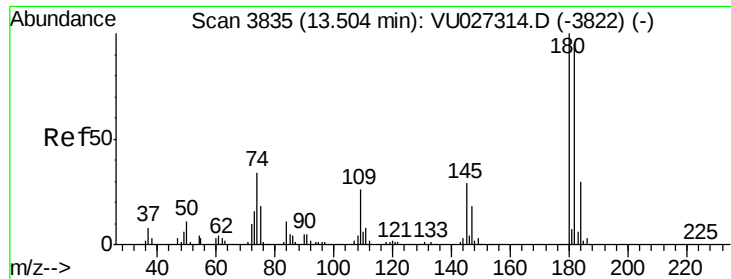
MMDadoda
 10/11/2018 9:01:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.191 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	35.9	107.8
157	98.3	46.9	140.6





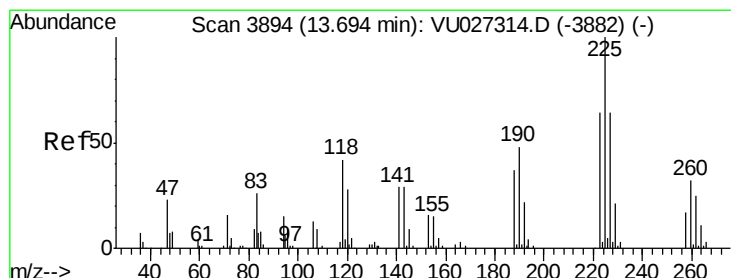
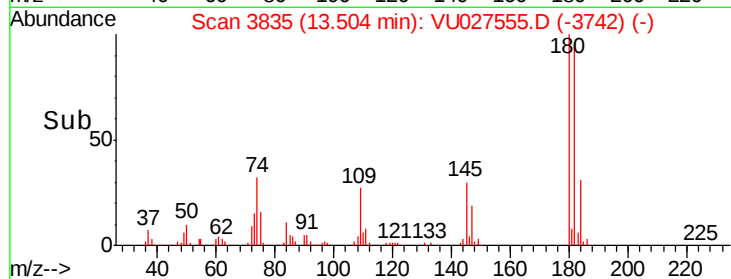
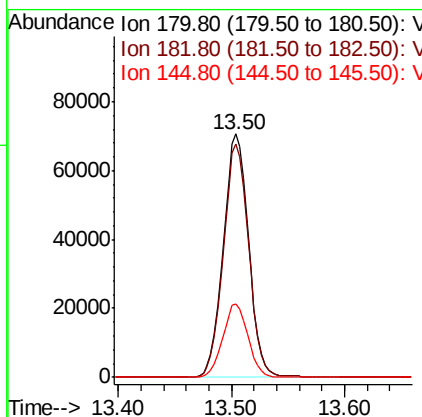
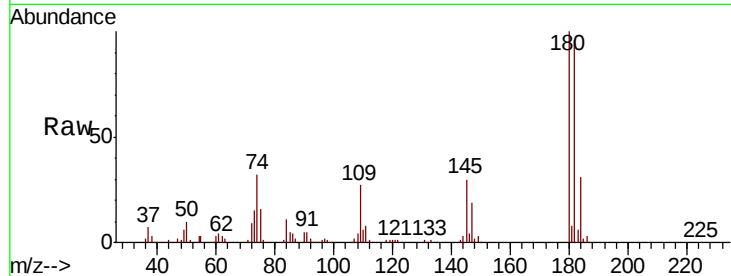
#93
 1,2,4-Trichlorobenzene
 Concen: 53.964 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.4	142.3
145	29.9	14.6	44.0

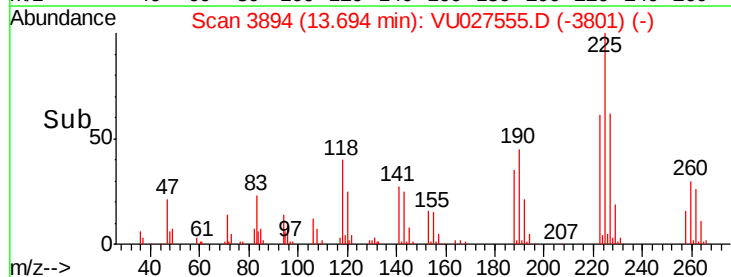
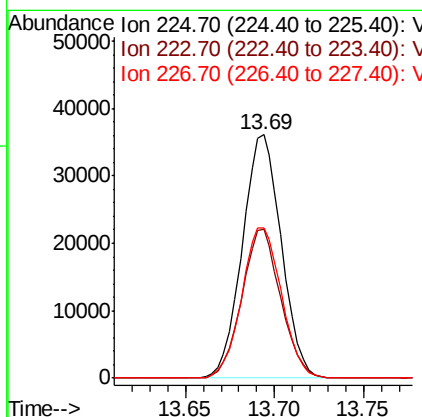
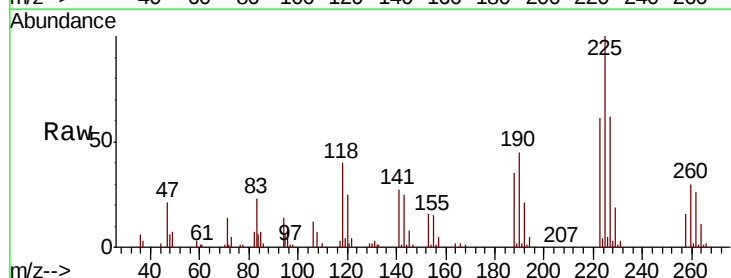
Manual Integrations
 APPROVED

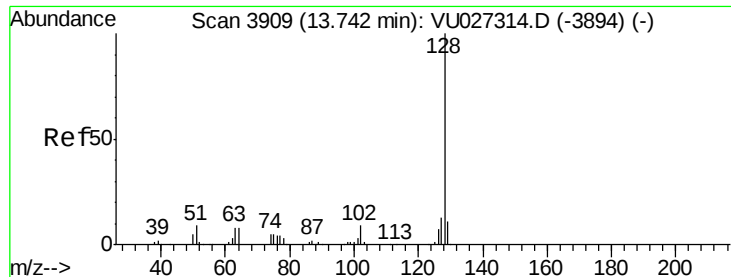
MMDadoda
 10/11/2018 9:01:52 AM



#94
 Hexachlorobutadiene
 Concen: 53.493 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027555.D
 Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	31.8	95.3
227	63.1	31.9	95.7





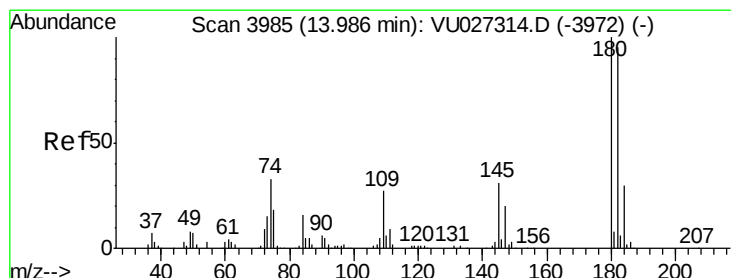
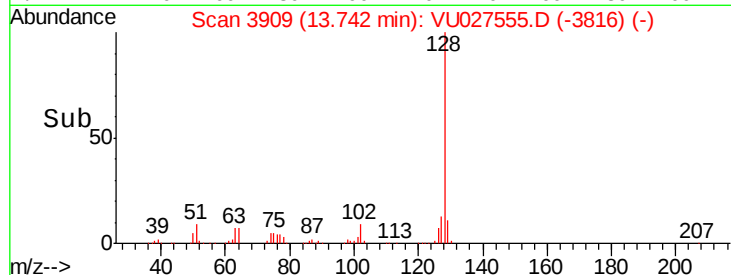
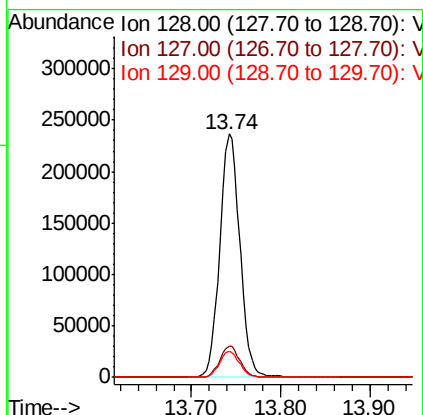
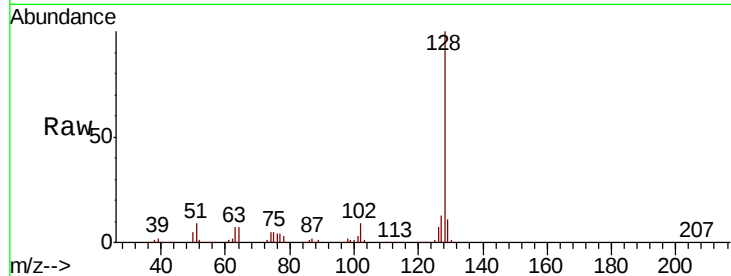
#95
Naphthalene
Concen: 48.273 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.6	12.8

Manual Integrations
APPROVED

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10/11/2018 9:01:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.606 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU027555.D
Acq: 10 Oct 2018 08:07

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	31.0	15.9	47.7

