

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
 Data File : VU027528.D
 Acq On : 09 Oct 2018 18:01
 Operator : MD/SY
 Sample : VU1010WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/11/2018 9:01:23 AM

Quant Time: Oct 10 06:44:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	90530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150082	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	139313	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	67179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70284	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	4.88	113	49349	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	7.57	98	184725	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	10.31	95	65678	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	21586	16.539	ug/l	99
3) Chloromethane	1.33	50	27559	15.596	ug/l	100
4) Vinyl Chloride	1.40	62	26161	15.750	ug/l	100
5) Bromomethane	1.62	94	14249	19.825	ug/l	95
6) Chloroethane	1.70	64	16880	16.912	ug/l	100
7) Trichlorofluoromethane	1.88	101	28235	16.753	ug/l	98
8) Diethyl Ether	2.11	74	11677	15.041	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	16543	16.902	ug/l	96
10) Methyl Iodide	2.41	142	8423	16.525	ug/l	96
11) Tert butyl alcohol	2.83	59	26639	83.682	ug/l	98
12) 1,1-Dichloroethene	2.28	96	14643	15.313	ug/l	99
13) Acrolein	2.20	56	10808	40.462	ug/l	99
14) Allyl chloride	2.59	41	34074	15.005	ug/l	97
15) Acrylonitrile	2.94	53	66995	80.858	ug/l	99
16) Acetone	2.32	43	72648	81.348	ug/l	99
17) Carbon Disulfide	2.48	76	44848	13.004	ug/l	98
18) Methyl Acetate	2.62	43	38085	18.694	ug/l	95
19) Methyl tert-butyl Ether	3.00	73	58222	15.195	ug/l	99
20) Methylene Chloride	2.70	84	19127	15.376	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	15601	14.531	ug/l	93
22) Diisopropyl ether	3.58	45	75668	16.394	ug/l	95
23) Vinyl Acetate	3.53	43	306677	76.085	ug/l	100
24) 1,1-Dichloroethane	3.45	63	38751	16.332	ug/l	99
25) 2-Butanone	4.27	43	103160	84.709	ug/l	100
26) 2,2-Dichloropropane	4.23	77	31071	15.937	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	19471	15.859	ug/l	99
28) Bromochloromethane	4.55	49	21268	18.579	ug/l	98
29) Tetrahydrofuran	4.64	42	63817	83.151	ug/l	99
30) Chloroform	4.67	83	34720	16.470	ug/l	100
31) Cyclohexane	5.00	56	35865	14.624	ug/l #	95
32) 1,1,1-Trichloroethane	4.92	97	28997	16.332	ug/l	99
36) 1,1-Dichloropropene	5.14	75	25519	15.660	ug/l	97
37) Ethyl Acetate	4.39	43	34096	16.190	ug/l	99
38) Carbon Tetrachloride	5.14	117	23684	16.090	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	27282	14.322	ug/l	94
40) Benzene	5.39	78	77980	16.428	ug/l	98
41) Methacrylonitrile	4.55	41	19796	16.630	ug/l	97
42) 1,2-Dichloroethane	5.41	62	30114	17.091	ug/l	100
43) Isopropyl Acetate	5.55	43	55017	16.820	ug/l	98
44) Trichloroethene	6.19	130	16645	15.726	ug/l	98
45) 1,2-Dichloropropane	6.44	63	22857	16.695	ug/l	98
46) Dibromomethane	6.56	93	13331	17.240	ug/l	98
47) Bromodichloromethane	6.76	83	26455	16.488	ug/l	98
48) Methyl methacrylate	6.63	41	26057	16.020	ug/l	97
49) 1,4-Dioxane	6.62	88	10634	379.969	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	181886	85.575	ug/l	99
52) Toluene	7.64	92	45020	16.024	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	29150	15.495	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	32315	15.979	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	19037	17.090	ug/l	98
56) Ethyl methacrylate	8.02	69	27666	14.652	ug/l	99
57) 1,3-Dichloropropane	8.24	76	35242	16.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	88572	81.349	ug/l	100
59) 2-Hexanone	8.36	43	141524	85.836	ug/l	98
60) Dibromochloromethane	8.48	129	17926	16.045	ug/l	99
61) 1,2-Dibromoethane	8.59	107	19441	16.415	ug/l	98
64) Tetrachloroethene	8.23	164	13346	15.389	ug/l	90
65) Chlorobenzene	9.12	112	46909	15.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	16950	16.744	ug/l	99
67) Ethyl Benzene	9.25	91	79611	15.323	ug/l	98
68) m/p-Xylenes	9.38	106	59300	31.204	ug/l	98
69) o-Xylene	9.78	106	27790	15.388	ug/l	96
70) Styrene	9.79	104	45298	15.101	ug/l	98
71) Bromoform	9.96	173	12933	15.879	ug/l #	100
73) Isopropylbenzene	10.17	105	78456	16.080	ug/l	100
74) N-amyl acetate	10.02	43	42083	15.066	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	32743	17.091	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	28949m	16.624	ug/l	
77) Bromobenzene	10.46	156	18788	16.569	ug/l	97
78) n-propylbenzene	10.59	91	90821	15.491	ug/l	100
79) 2-Chlorotoluene	10.66	91	57330	16.195	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	63695	16.035	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	8395m	12.616	ug/l	
82) 4-Chlorotoluene	10.77	91	62923	15.664	ug/l	98
83) tert-Butylbenzene	11.10	119	61076	15.904	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	65005	16.020	ug/l	98
85) sec-Butylbenzene	11.32	105	75081	15.517	ug/l	100
86) p-Isopropyltoluene	11.48	119	64784	15.638	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	34130	15.896	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	34518	15.732	ug/l	98
89) n-Butylbenzene	11.89	91	54291	13.817	ug/l	99
90) Hexachloroethane	12.15	117	13049	16.710	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	33340	15.952	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	6905	16.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	19353	14.311	ug/l	98
94) Hexachlorobutadiene	13.69	225	11195	16.385	ug/l	99
95) Naphthalene	13.75	128	65005	14.034	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	21271	15.097	ug/l	99

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

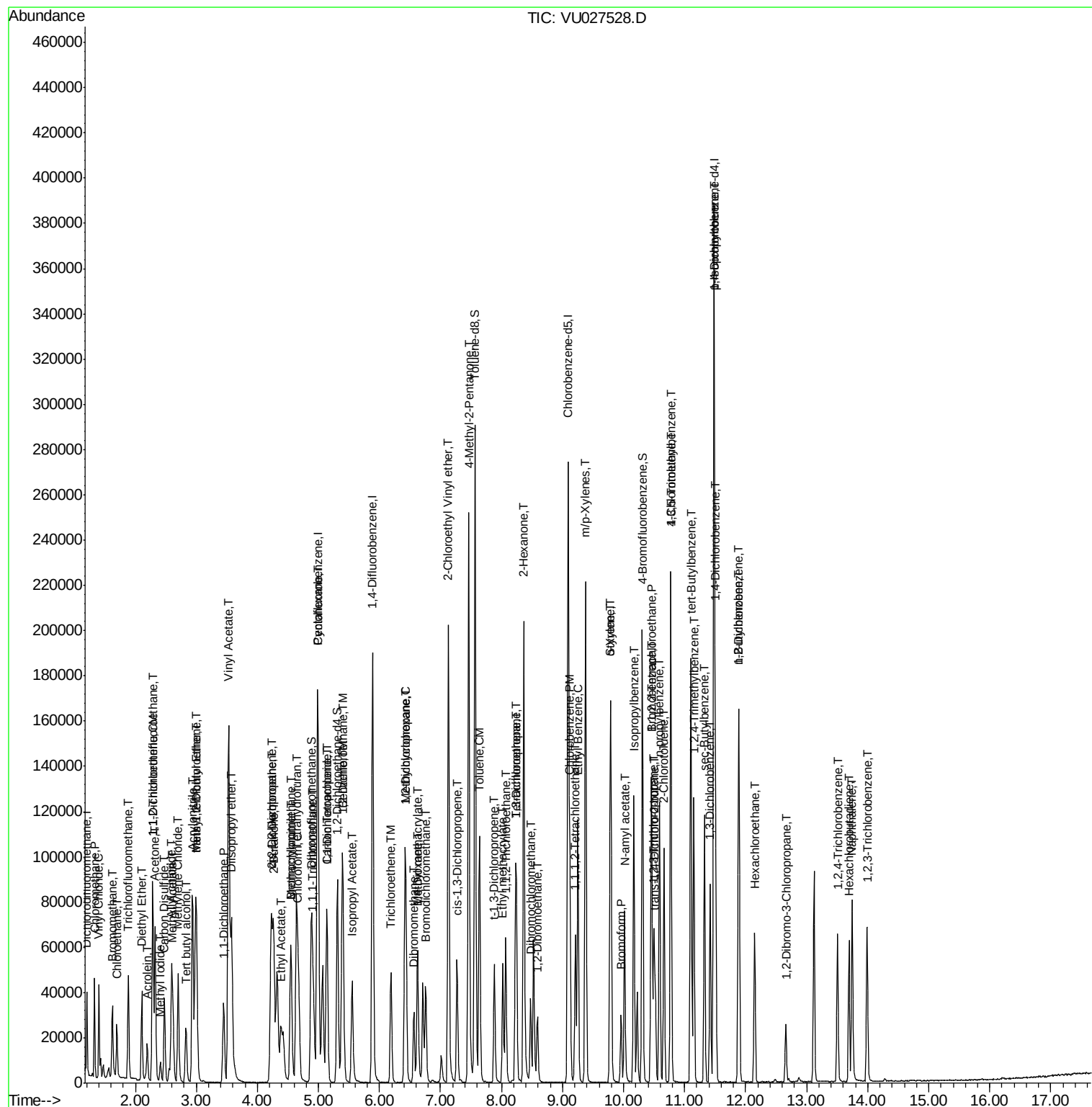
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU101018\
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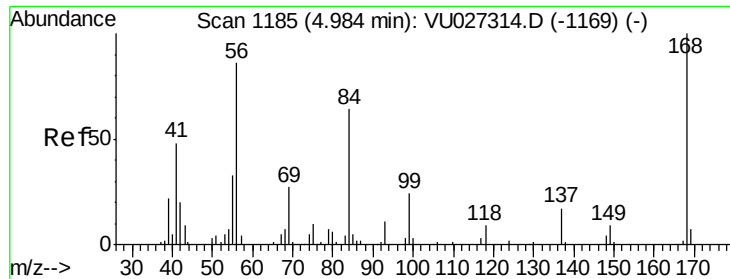
Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion:168 Resp: 90530

Ion Ratio Lower Upper

168 100

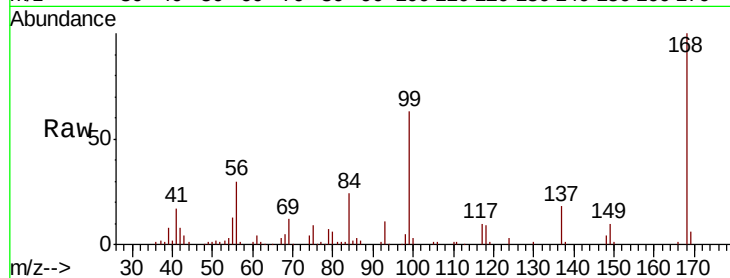
99 61.7 50.8 76.2

Manual Integrations

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10/11/2018 9:01:23 AM



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

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

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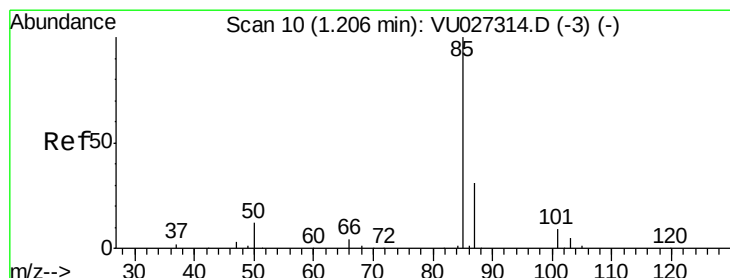
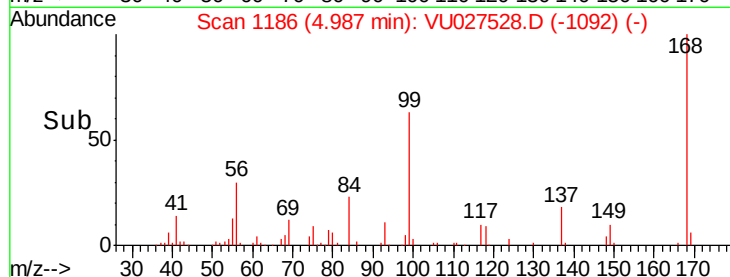
4.99

4.99

4.99

4.99

4.99



#2

Dichlorodifluoromethane

Concen: 16.539 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027528.D

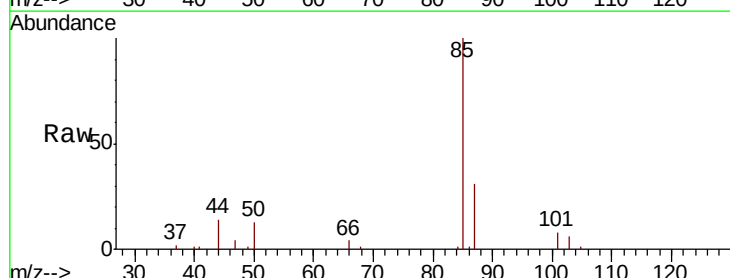
Acq: 09 Oct 2018 18:01

Tgt Ion: 85 Resp: 21586

Ion Ratio Lower Upper

85 100

87 30.6 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) (-)

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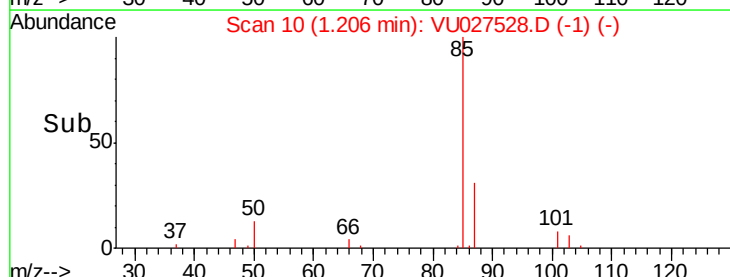
1.21

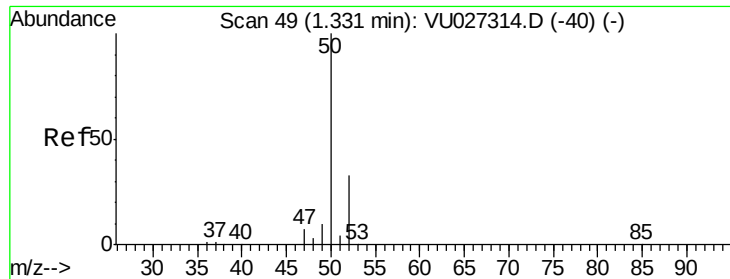
1.21

1.21

1.21

1.21





#3

Chloromethane

Concen: 15.596 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 50 Resp: 27559

Ion Ratio Lower Upper

50 100

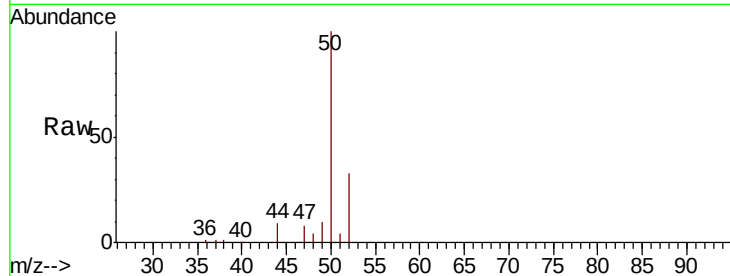
52 33.3 26.5 39.7

Manual Integrations

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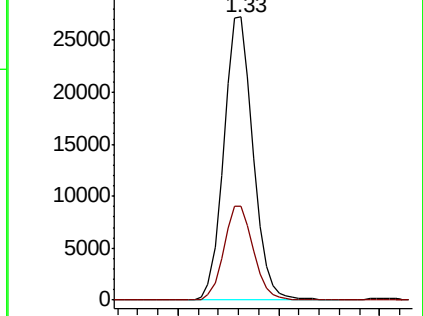
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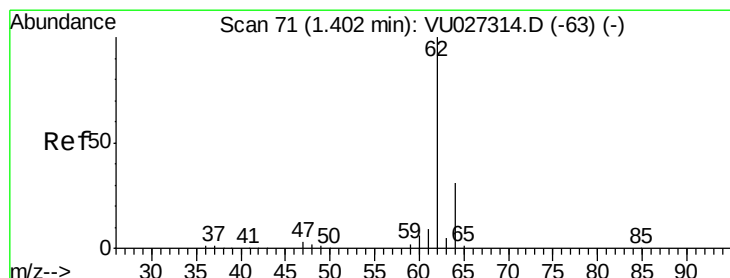
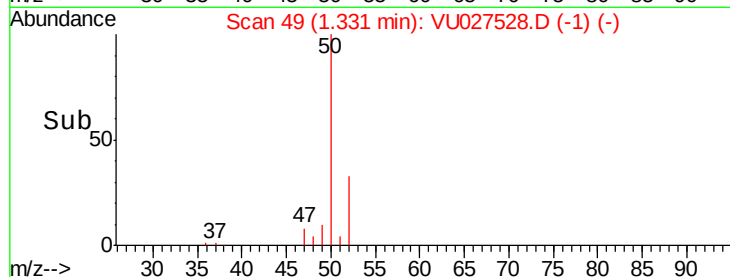


Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



Time-->



#4

Vinyl Chloride

Concen: 15.750 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027528.D

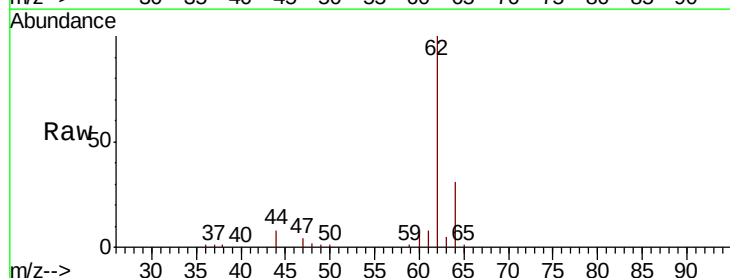
Acq: 09 Oct 2018 18:01

Tgt Ion: 62 Resp: 26161

Ion Ratio Lower Upper

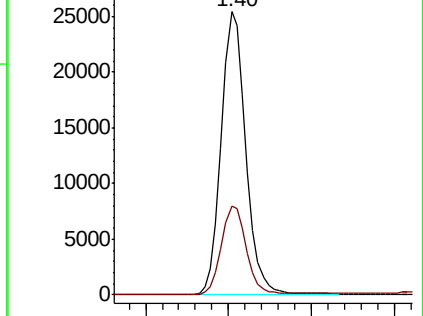
62 100

64 31.2 24.9 37.3

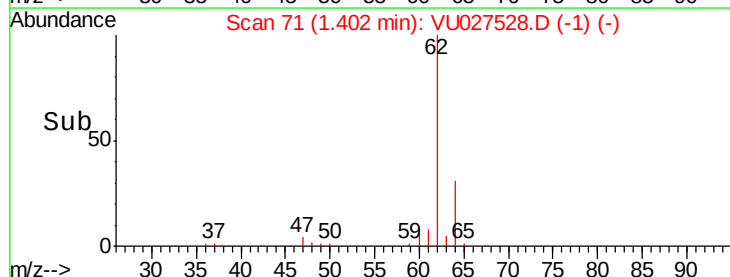


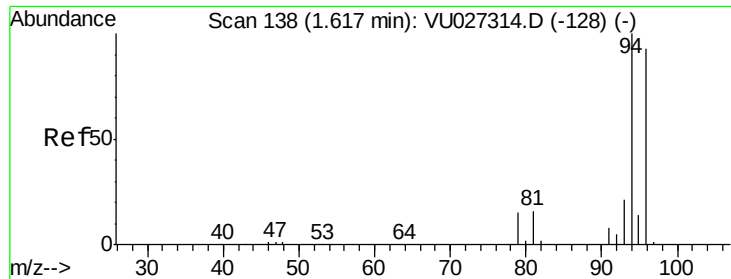
Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



Time-->





#5

Bromomethane

Concen: 19.825 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027528.D

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VU1010WBS01

Tgt Ion: 94 Resp: 14249

Ion Ratio Lower Upper

94 100

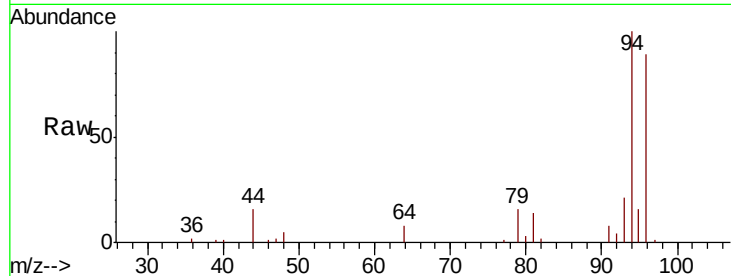
96 88.6 74.6 111.8

Manual Integrations

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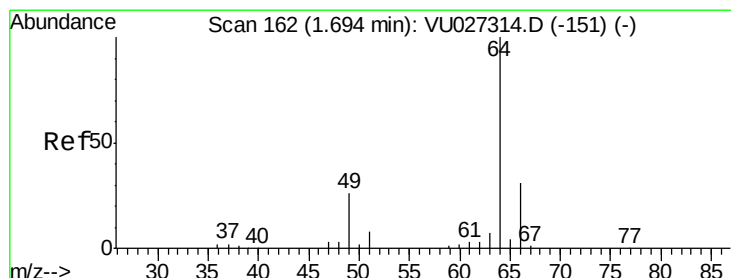
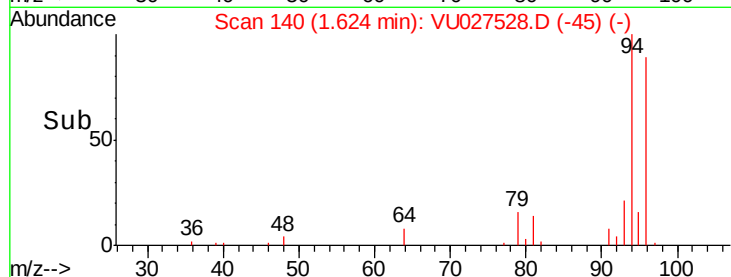
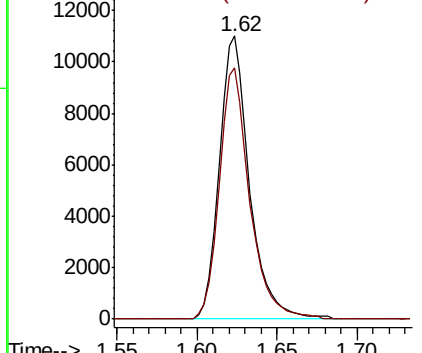
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 16.912 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU027528.D

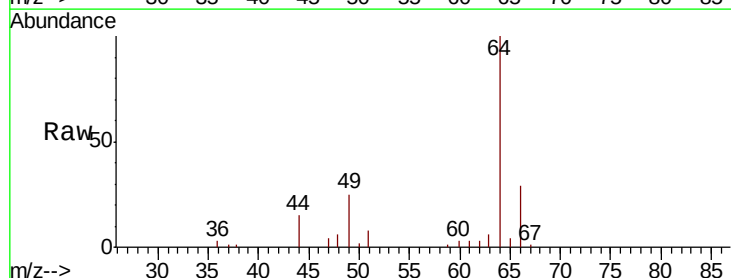
Acq: 09 Oct 2018 18:01

Tgt Ion: 64 Resp: 16880

Ion Ratio Lower Upper

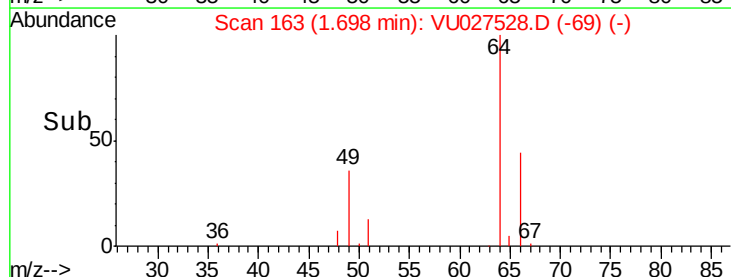
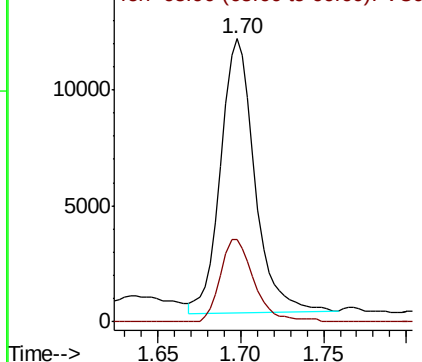
64 100

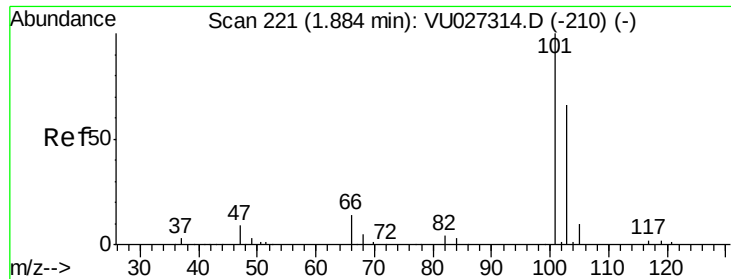
66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

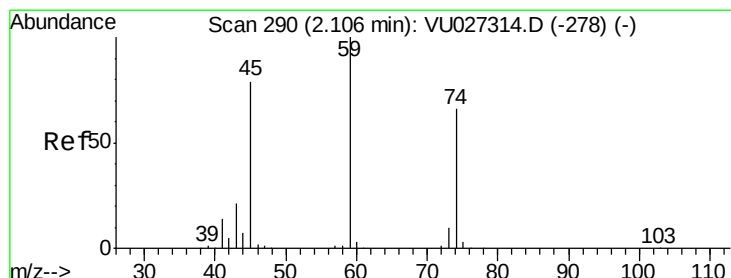
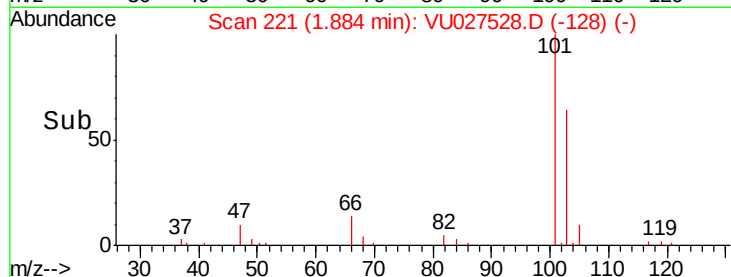
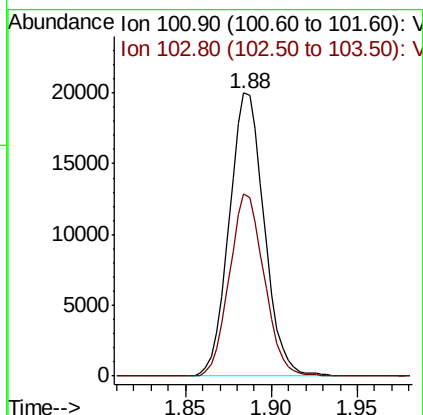
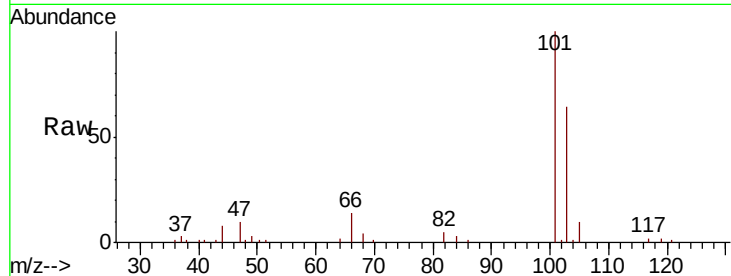
Trichlorofluoromethane
Concen: 16.753 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027528.D
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VU1010WBS01

Tgt Ion:101 Resp: 28235
Ion Ratio Lower Upper
101 100
103 64.3 52.6 78.8

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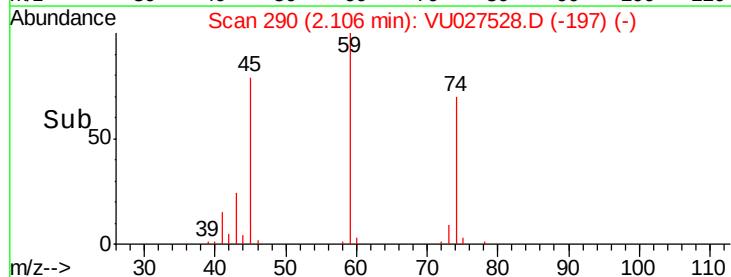
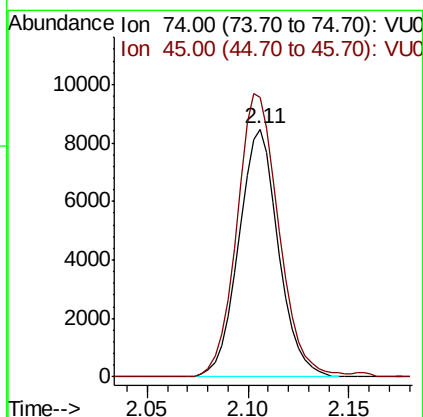
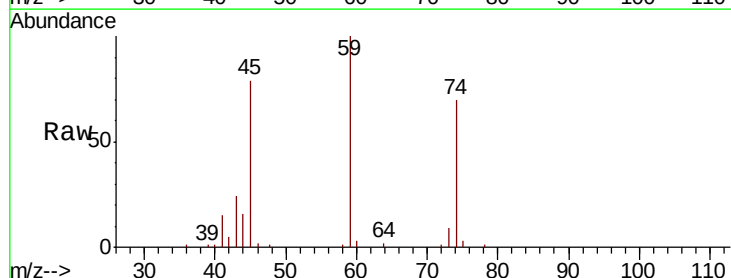
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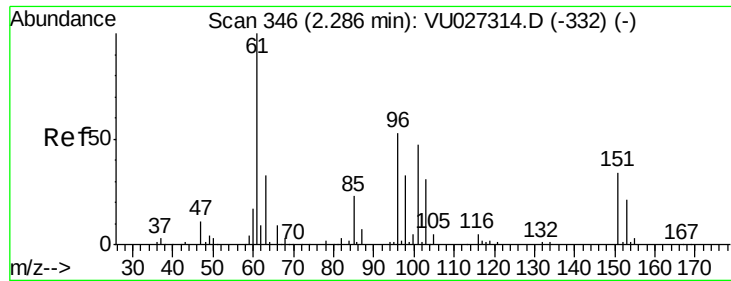


#8

Diethyl Ether
Concen: 15.041 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion: 74 Resp: 11677
Ion Ratio Lower Upper
74 100
45 120.8 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.902 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

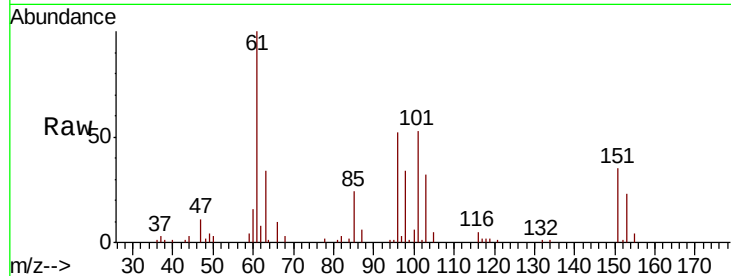
ClientSampleId :

VU1010WBS01

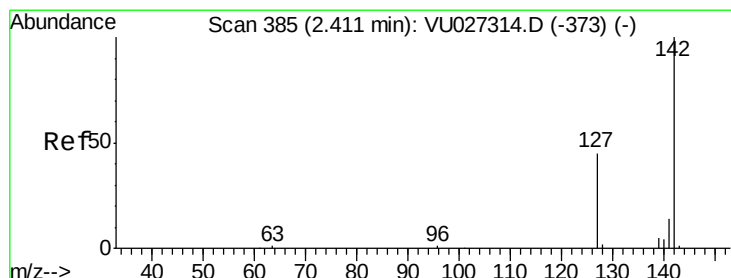
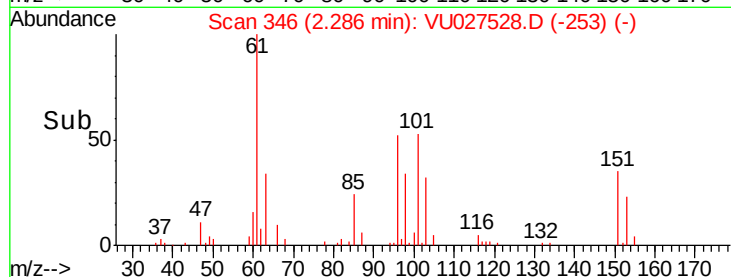
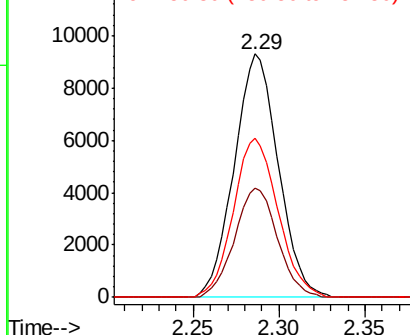
Tgt Ion:	101	Resp:	16543
Ion Ratio	Lower	Upper	
101	100		
85	43.7	37.5	56.3
151	66.0	55.6	83.4

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.525 ug/l

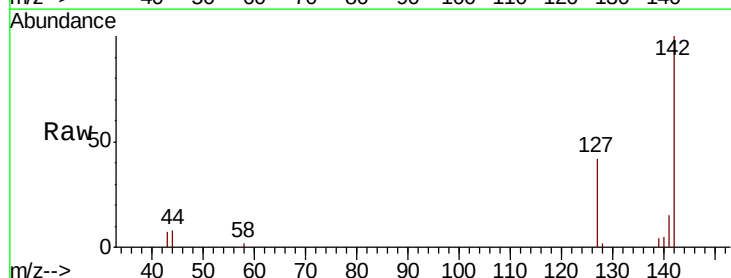
RT: 2.41 min Scan# 385

Delta R.T. 0.00 min

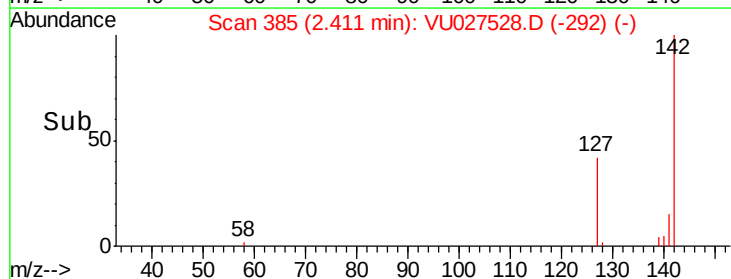
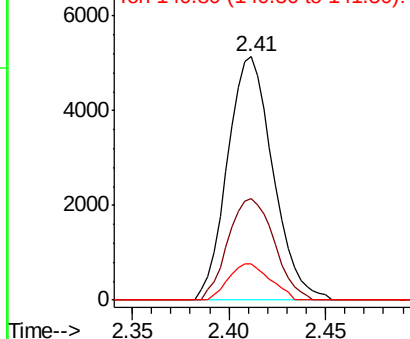
Lab File: VU027528.D

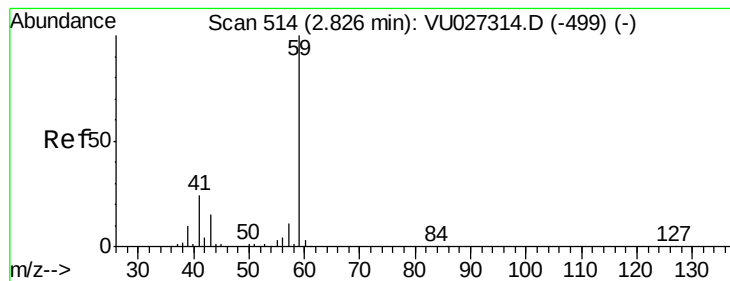
Acq: 09 Oct 2018 18:01

Tgt Ion:	142	Resp:	8423
Ion Ratio	Lower	Upper	
142	100		
127	42.2	36.3	54.5
141	13.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

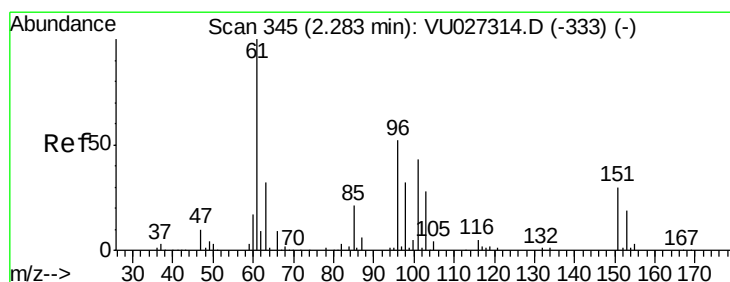
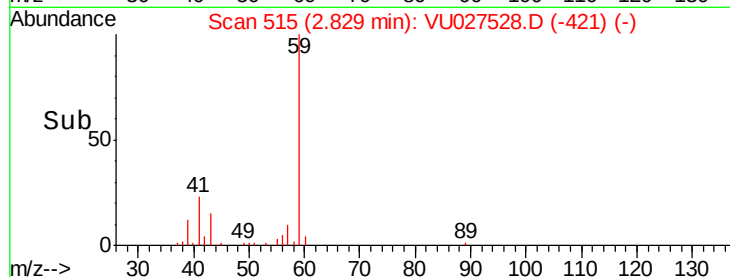
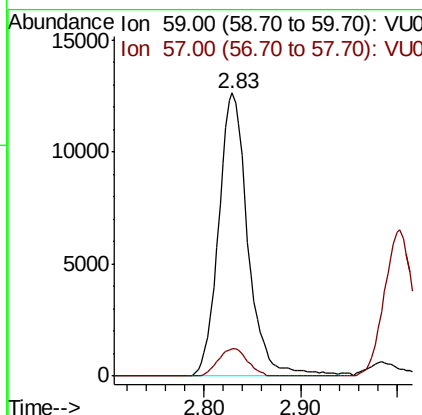
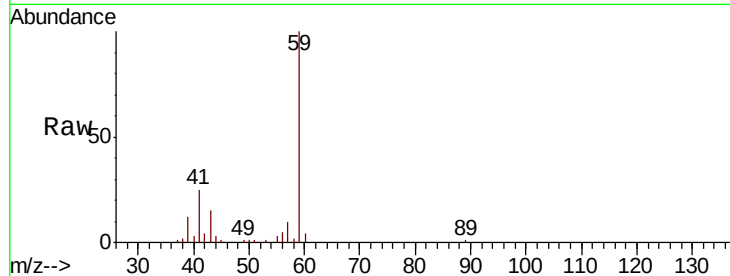
Tert butyl alcohol
Concen: 83.682 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	26639		
57	9.7		8.4	12.6

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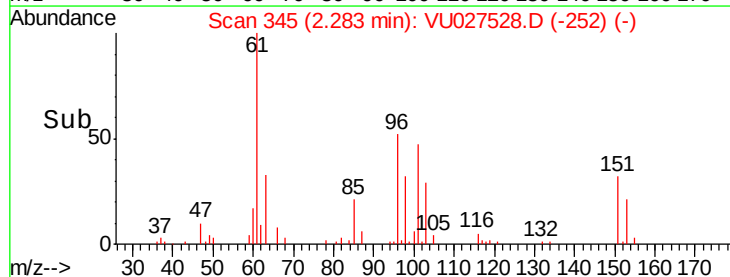
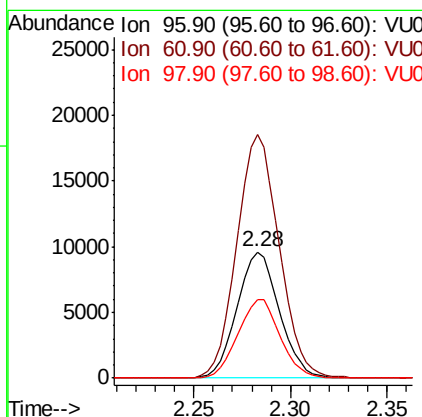
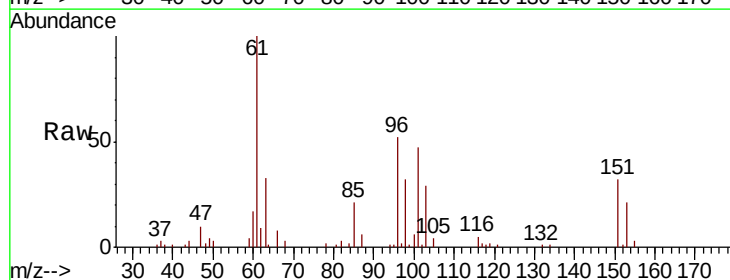
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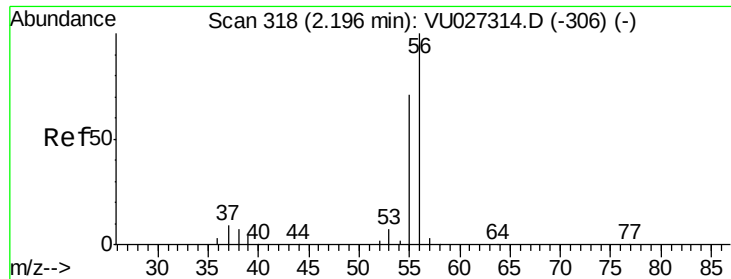


#12

1,1-Dichloroethene
Concen: 15.313 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	14643		
61	192.5		153.0	229.6
98	62.4		49.3	73.9





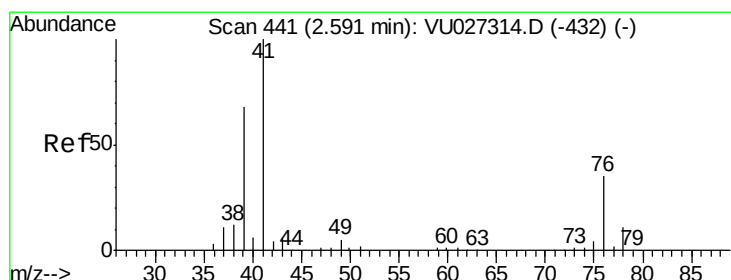
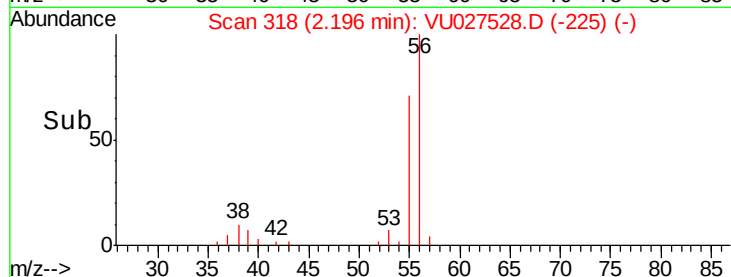
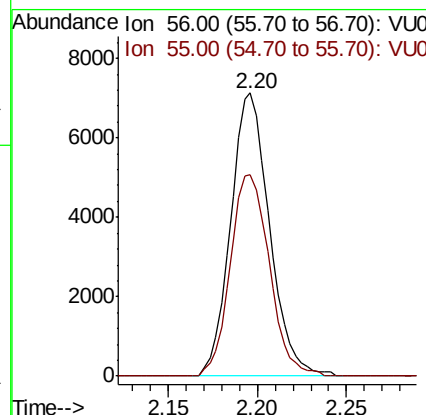
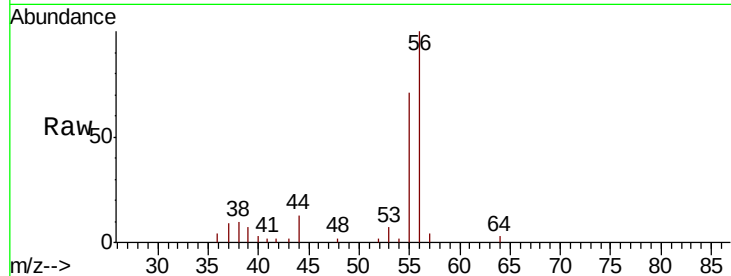
#13
 Acrolein
 Concen: 40.462 ug/l
 RT: 2.20 min Scan# 318
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion: 56 Resp: 10808
 Ion Ratio Lower Upper
 56 100
 55 71.7 57.7 86.5

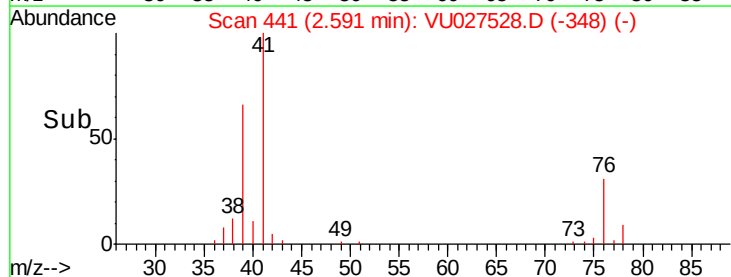
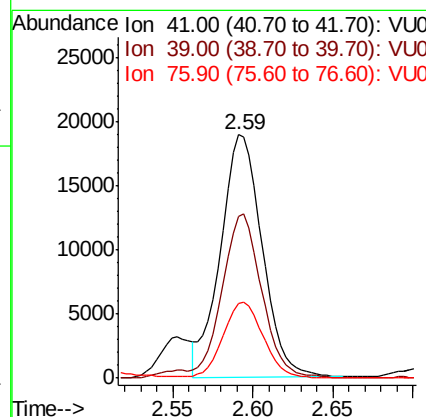
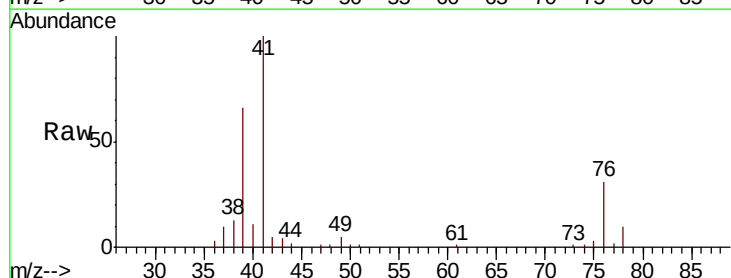
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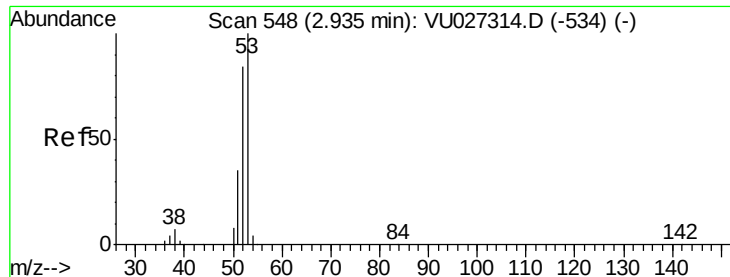
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#14
 Allyl chloride
 Concen: 15.005 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion: 41 Resp: 34074
 Ion Ratio Lower Upper
 41 100
 39 66.6 51.8 77.8
 76 30.2 25.9 38.9





#15

Acrylonitrile

Concen: 80.858 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

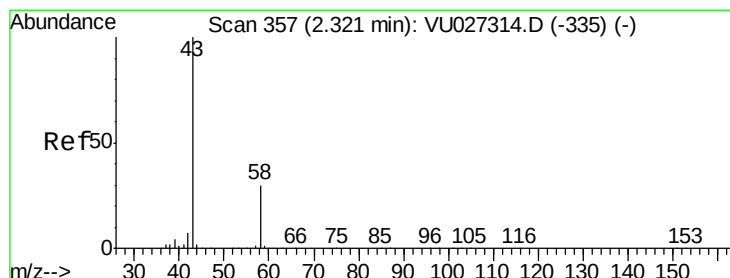
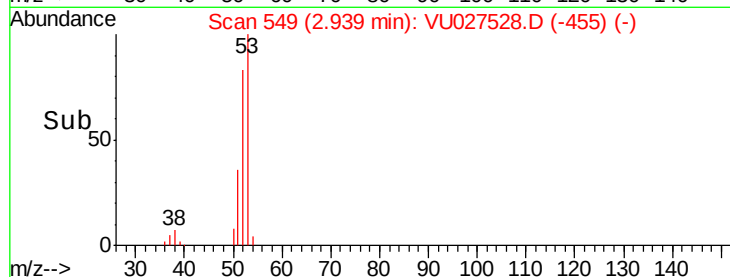
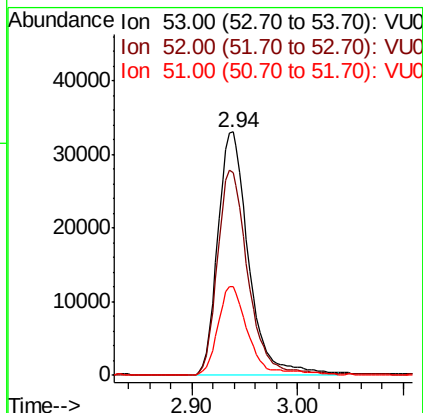
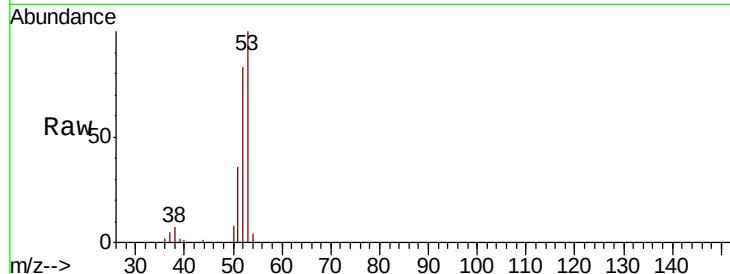
ClientSampleId :

VU1010WBS01

Tgt Ion:	53	Resp:	66995
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.5	99.7
51	34.9	27.6	41.4

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#16

Acetone

Concen: 81.348 ug/l

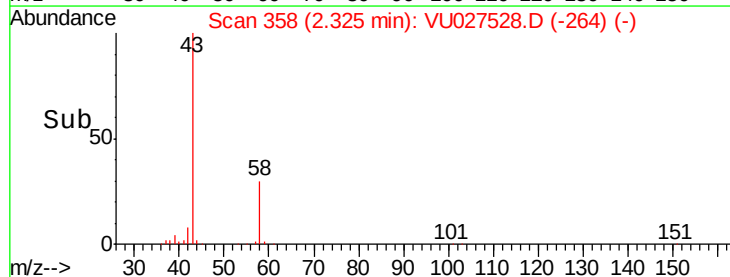
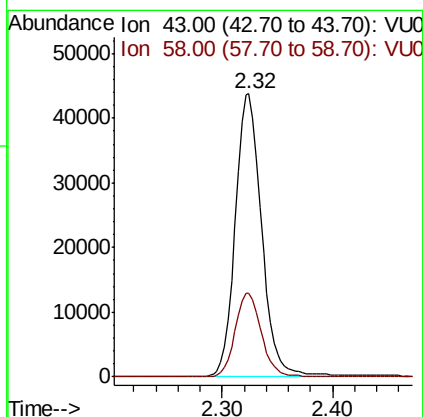
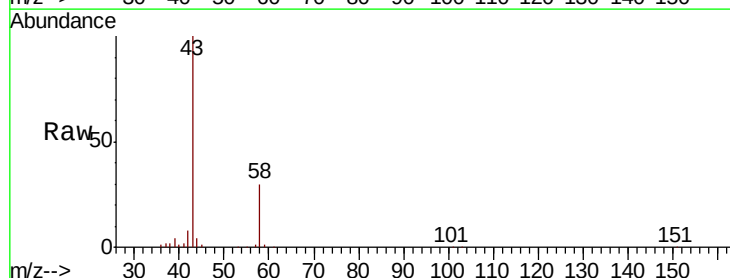
RT: 2.32 min Scan# 358

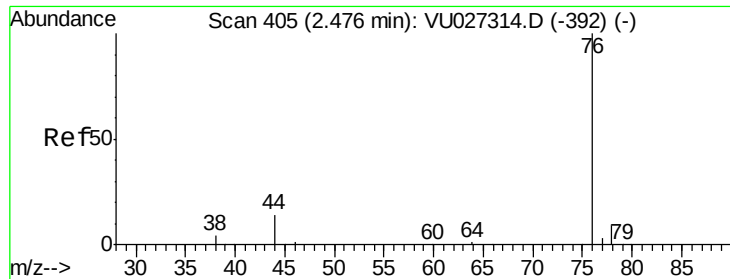
Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Tgt Ion:	43	Resp:	72648
Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.2	36.4





#17

Carbon Disulfide

Concen: 13.004 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 76 Resp: 44848

Ion Ratio Lower Upper

76 100

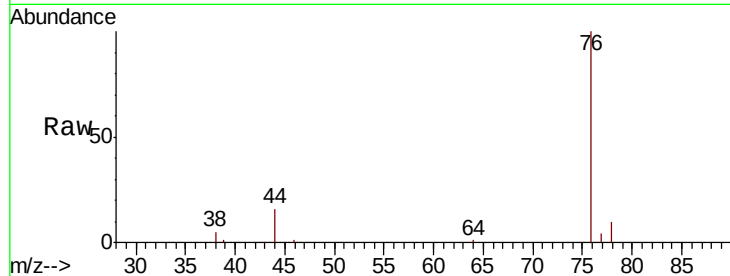
78 9.9 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

30000

25000

20000

15000

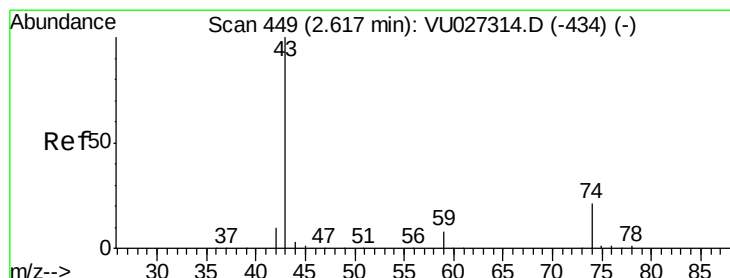
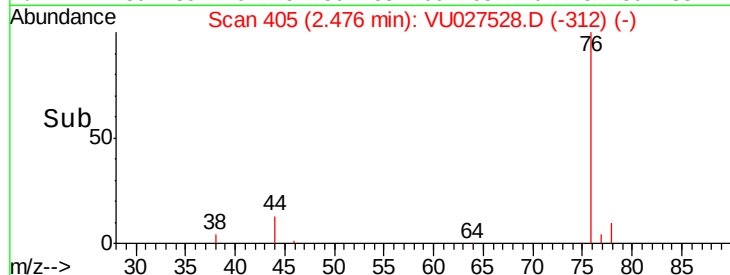
10000

5000

0

2.40 2.45 2.50 2.55

Time-->



#18

Methyl Acetate

Concen: 18.694 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU027528.D

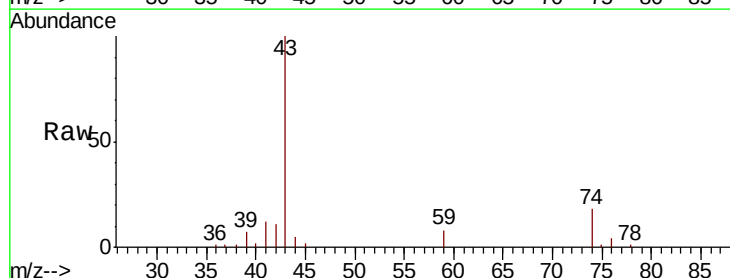
Acq: 09 Oct 2018 18:01

Tgt Ion: 43 Resp: 38085

Ion Ratio Lower Upper

43 100

74 18.3 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

25000

20000

15000

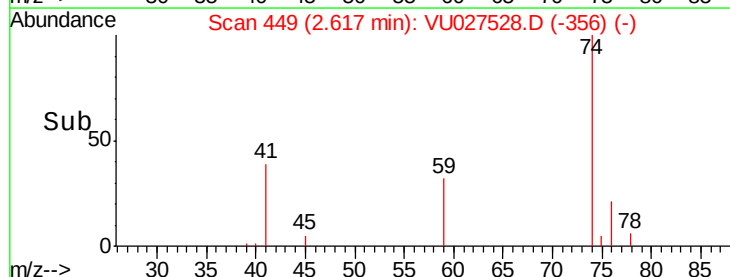
10000

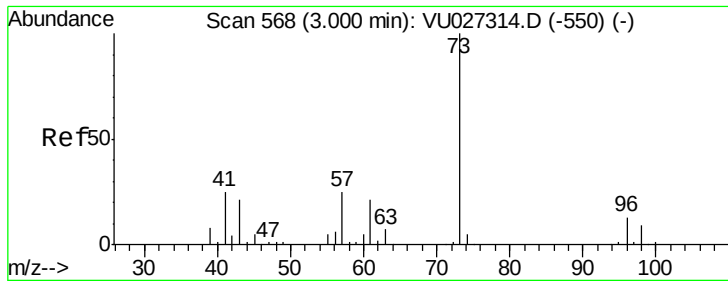
5000

0

2.55 2.60 2.65 2.70

Time-->





#19

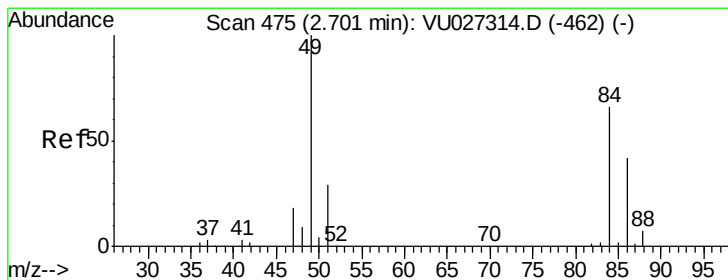
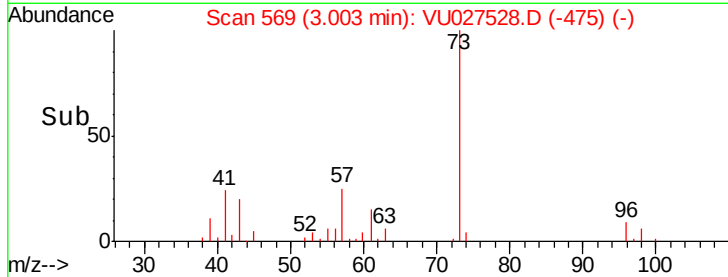
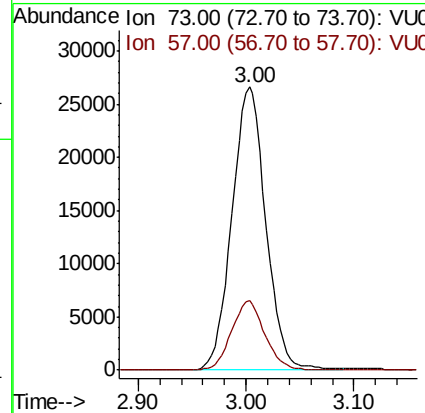
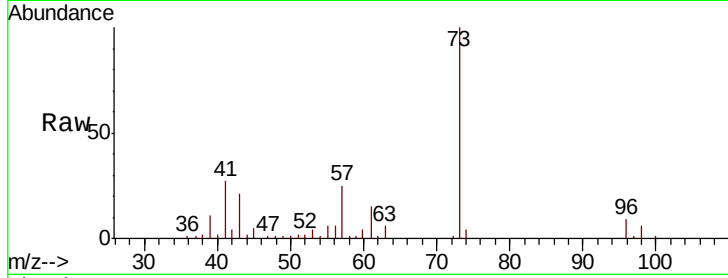
Methyl tert-butyl Ether
 Concen: 15.195 ug/l
 RT: 3.00 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion: 73 Resp: 58222
 Ion Ratio Lower Upper
 73 100
 57 24.5 20.0 30.0

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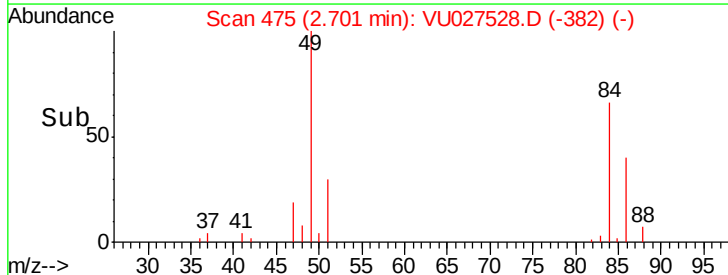
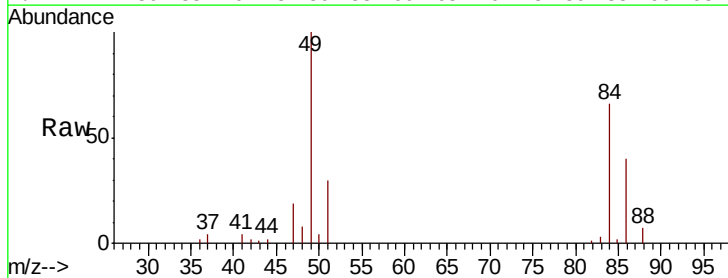
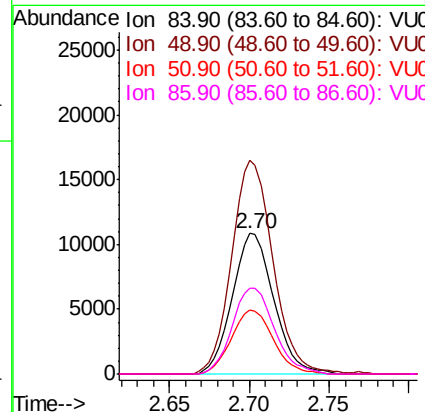
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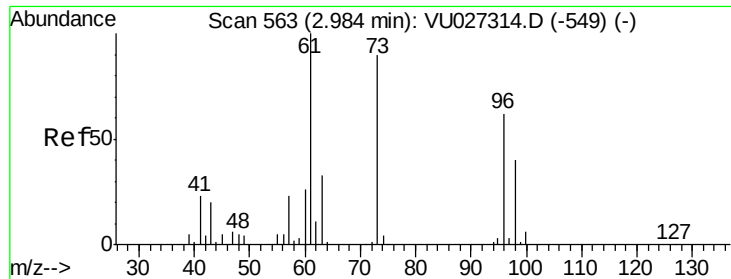


#20

Methylene Chloride
 Concen: 15.376 ug/l
 RT: 2.70 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion: 84 Resp: 19127
 Ion Ratio Lower Upper
 84 100
 49 151.9 120.5 180.7
 51 45.5 35.1 52.7
 86 60.9 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 14.531 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

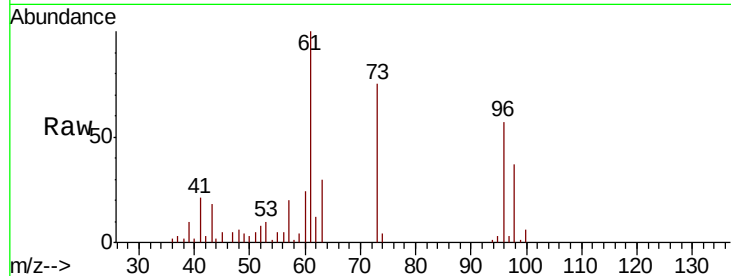
ClientSampleId :

VU1010WBS01

Tgt Ion:	96	Resp:	15601
Ion	Ratio	Lower	Upper
96	100		
61	174.2	129.4	194.2
98	65.1	51.2	76.8

Manual Integrations
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MMDadoda
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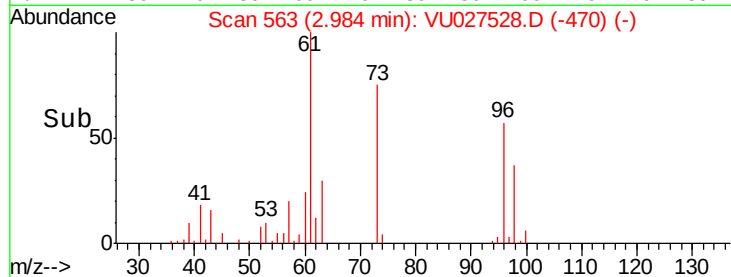


Abundance Ion 95.90 (95.60 to 96.60): VU027314.D (-549) (-)

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

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

Time-->

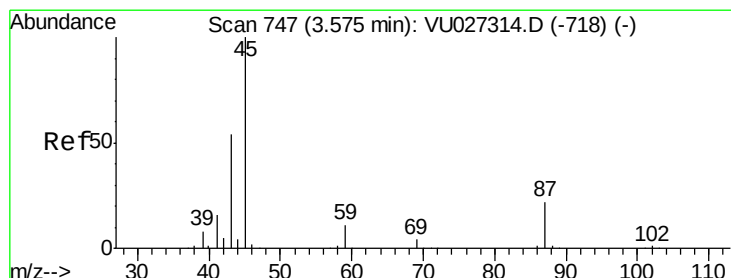


Abundance Ion 95.90 (95.60 to 96.60): VU027528.D (-470) (-)

Ion 60.90 (60.60 to 61.60): VU027528.D (-470) (-)

Ion 97.90 (97.60 to 98.60): VU027528.D (-470) (-)

Time-->



#22

Diisopropyl ether

Concen: 16.394 ug/l

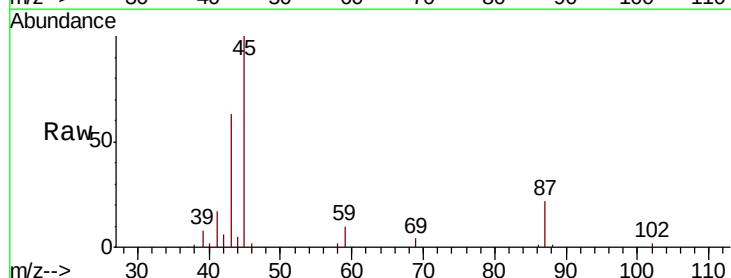
RT: 3.58 min Scan# 747

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Tgt Ion:	45	Resp:	75668
Ion	Ratio	Lower	Upper
45	100		
43	59.9	43.4	65.2
87	21.8	17.5	26.3
59	10.3	8.6	13.0



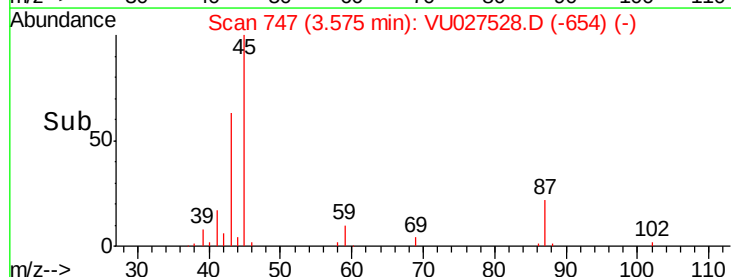
Abundance Ion 45.00 (44.70 to 45.70): VU027314.D (-718) (-)

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) (-)

Time-->



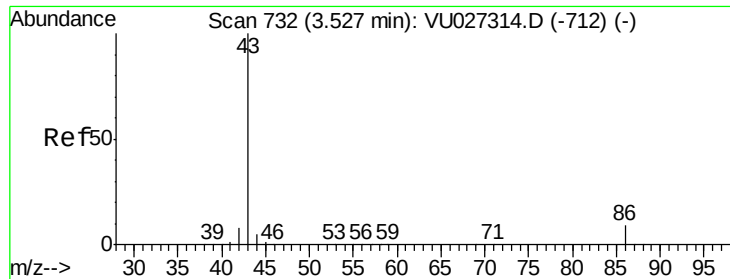
Abundance Ion 45.00 (44.70 to 45.70): VU027528.D (-654) (-)

Ion 43.00 (42.70 to 43.70): VU027528.D (-654) (-)

Ion 87.00 (86.70 to 87.70): VU027528.D (-654) (-)

Ion 59.00 (58.70 to 59.70): VU027528.D (-654) (-)

Time-->



#23

Vinyl Acetate

Concen: 76.085 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 43 Resp: 306677

Ion Ratio Lower Upper

43 100

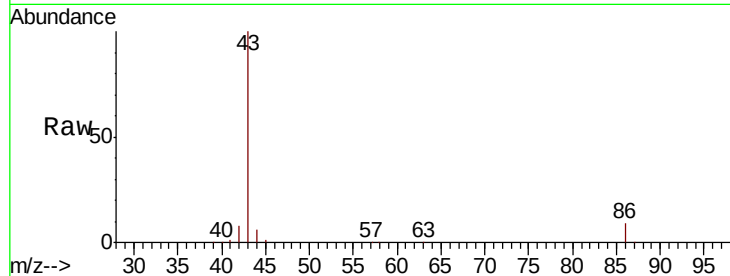
86 8.6 7.0 10.4

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Abundance Ion 43.00 (42.70 to 43.70): VU027528.D (-639) (-)

Ion 86.00 (85.70 to 86.70): VU027528.D (-639) (-)

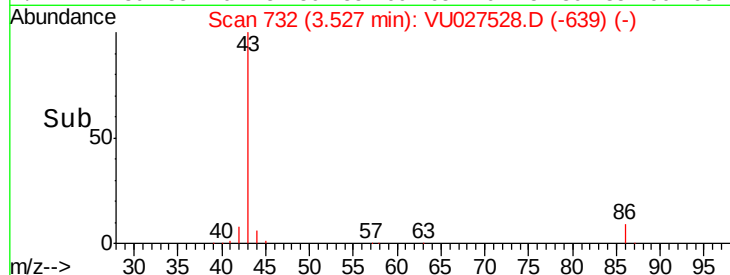
3.53

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 16.332 ug/l

RT: 3.45 min Scan# 707

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

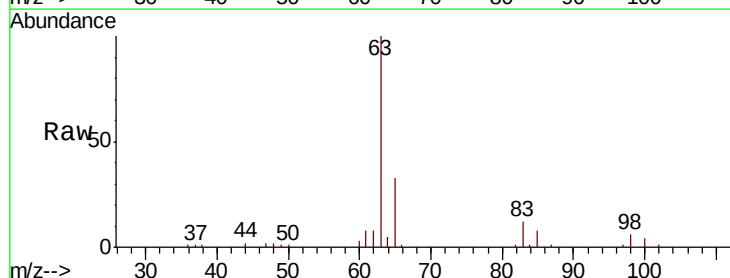
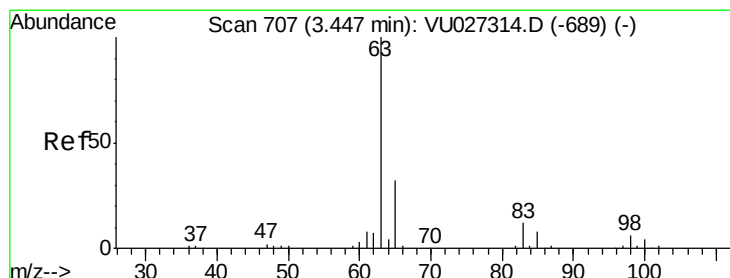
Tgt Ion: 63 Resp: 38751

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.3 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU027528.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU027528.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU027528.D (-614) (-)

3.45

20000

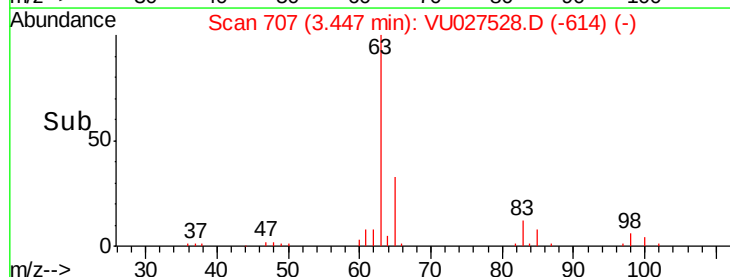
15000

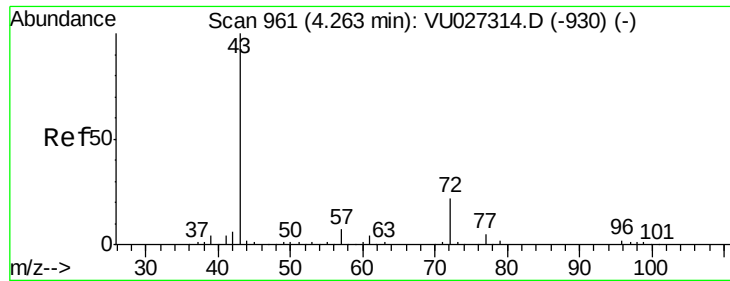
10000

5000

0

Time-->





#25

2-Butanone

Concen: 84.709 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 43 Resp: 103160

Ion Ratio Lower Upper

43 100

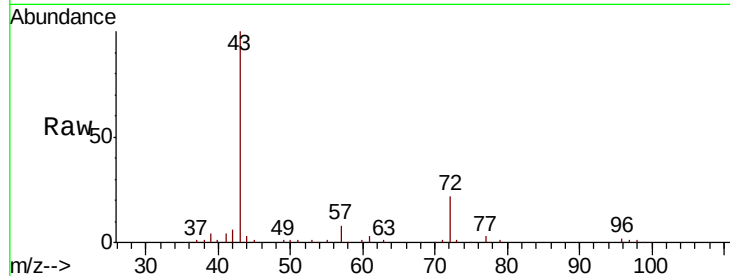
72 22.2 17.8 26.6

Manual Integrations

APPROVED

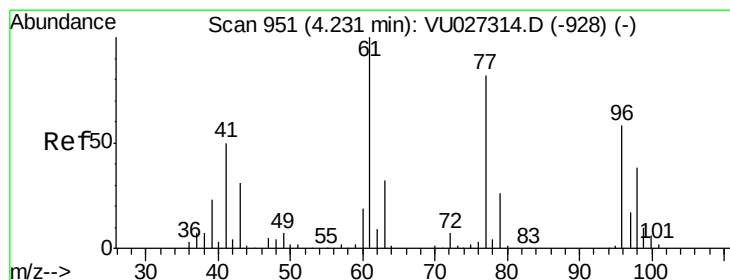
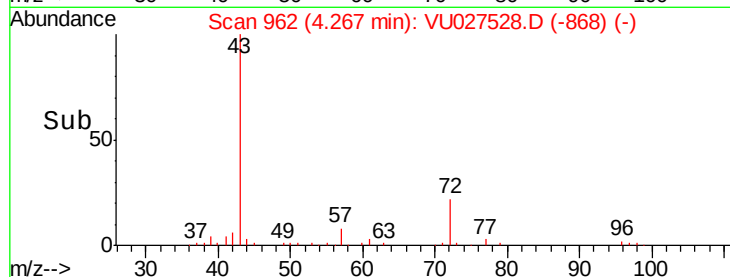
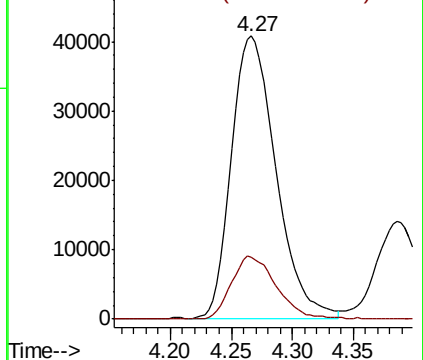
MMDadoda

10/11/2018 9:01:23 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 15.937 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027528.D

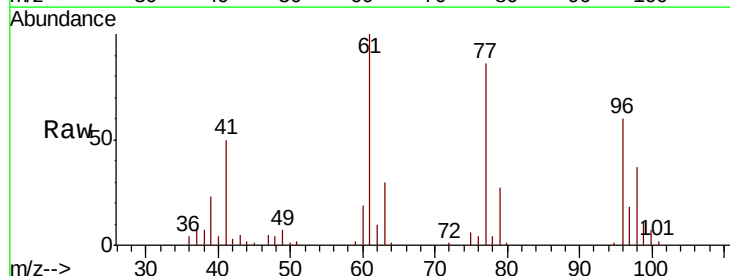
Acq: 09 Oct 2018 18:01

Tgt Ion: 77 Resp: 31071

Ion Ratio Lower Upper

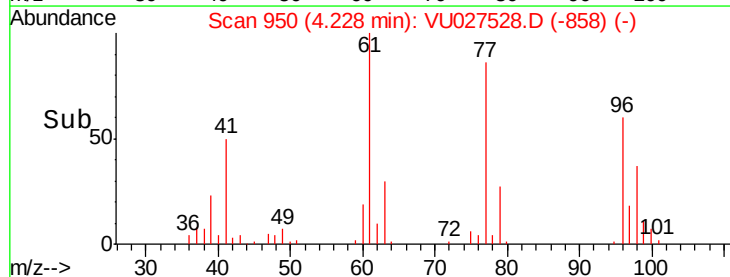
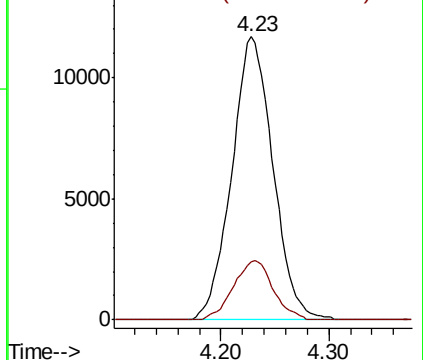
77 100

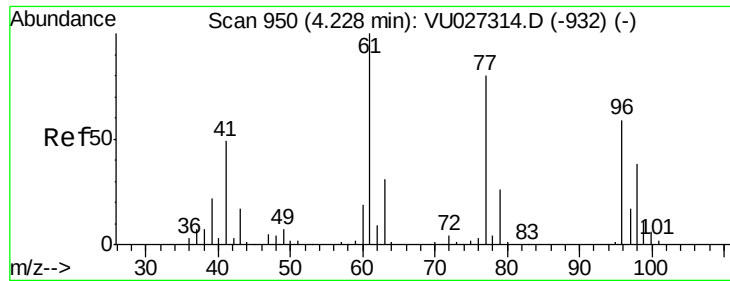
97 20.2 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

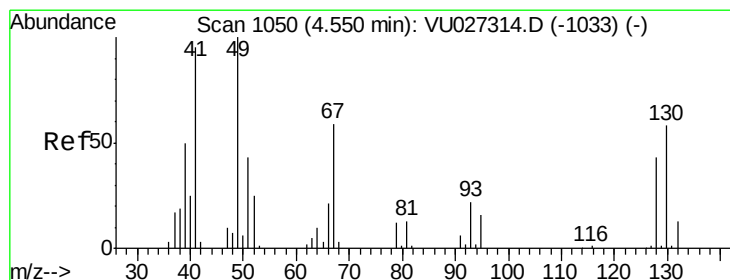
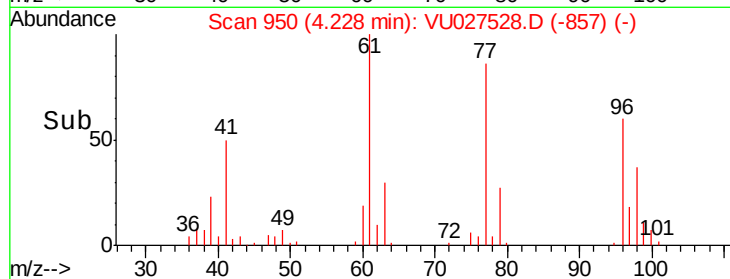
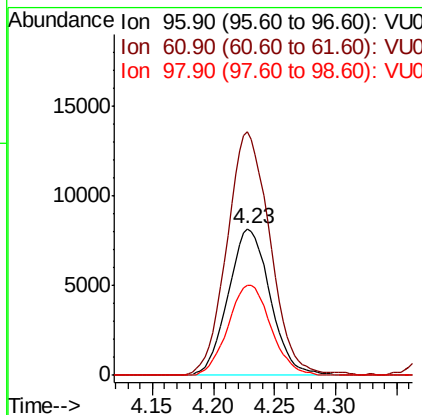
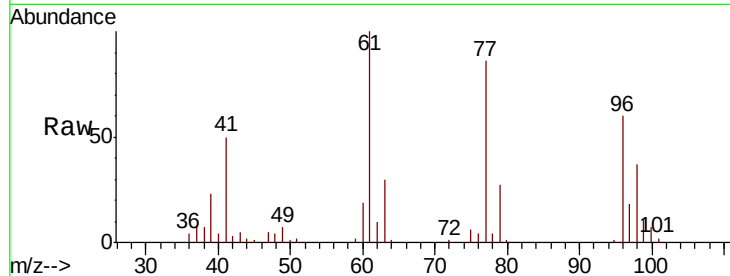
cis-1,2-Dichloroethene
 Concen: 15.859 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	0.0	343.8
98	62.7	0.0	129.0

Manual Integrations
 APPROVED

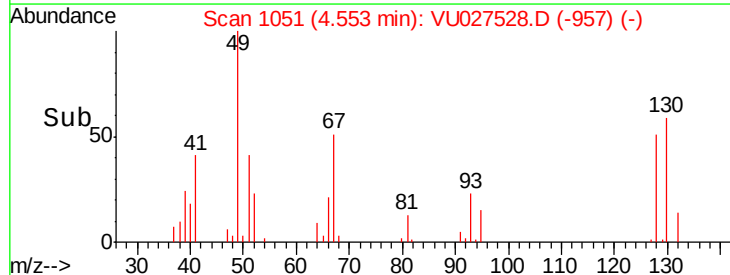
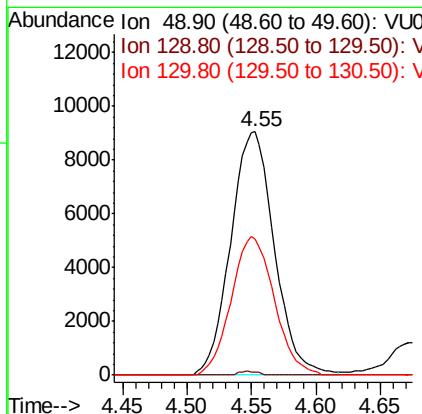
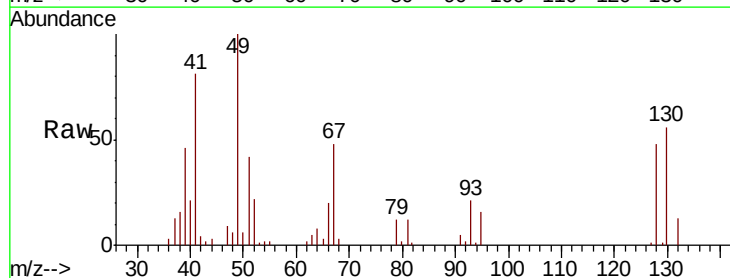
MMDadoda
 10/11/2018 9:01:23 AM

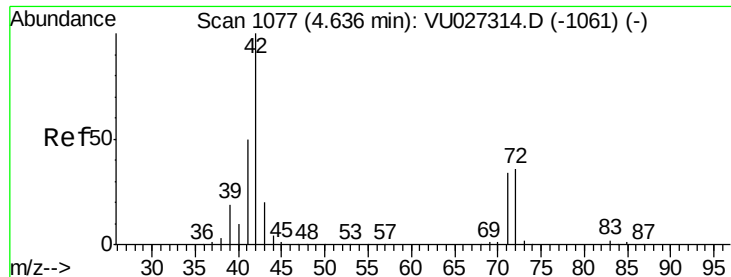


#28

Bromochloromethane
 Concen: 18.579 ug/l
 RT: 4.55 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.0
130	56.2	46.1	69.1





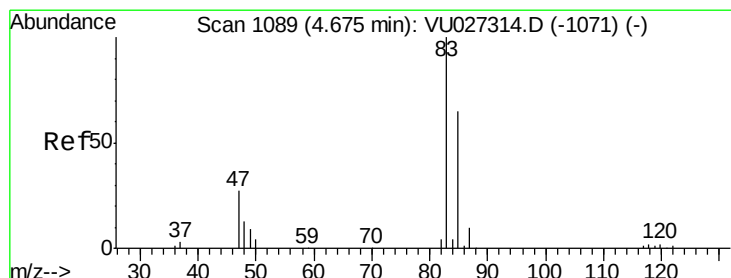
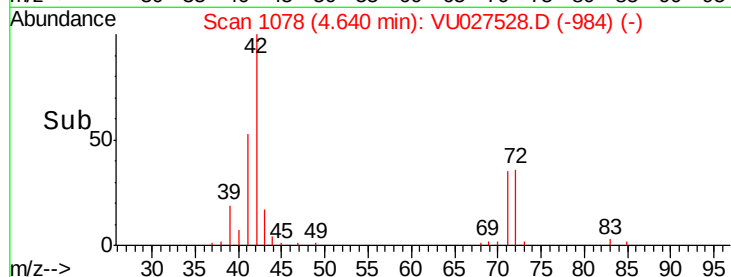
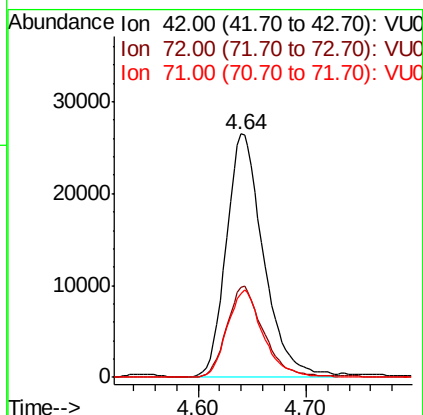
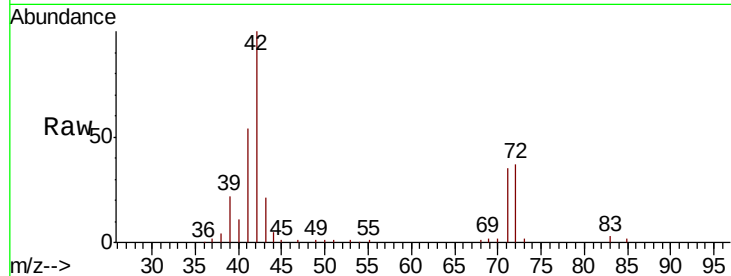
#29
Tetrahydrofuran
Concen: 83.151 ug/l
RT: 4.64 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.7	30.1	45.1
71	34.6	27.7	41.5

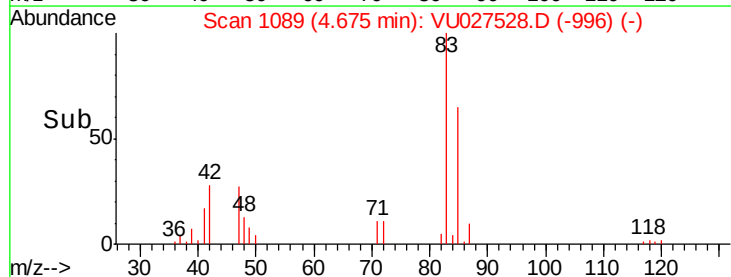
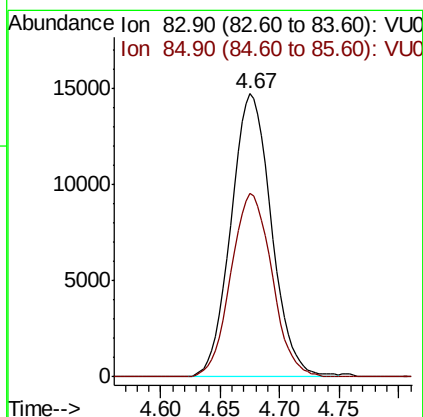
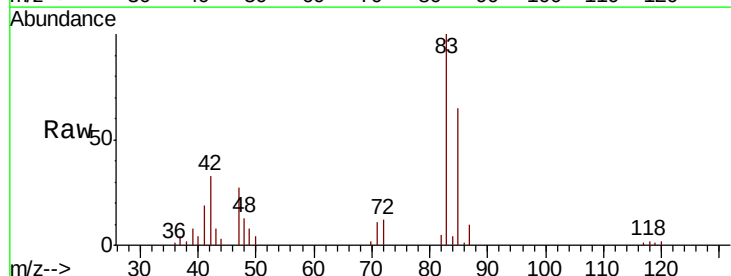
Manual Integrations
APPROVED

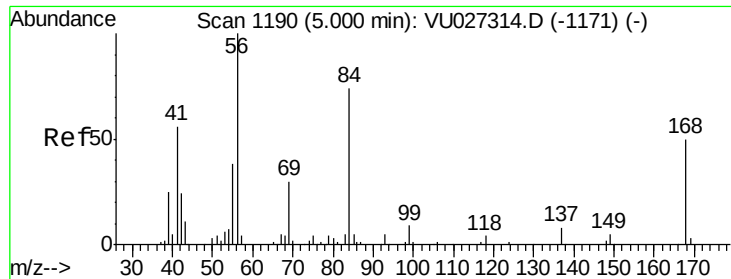
MMDadoda
10/11/2018 9:01:23 AM



#30
Chloroform
Concen: 16.470 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6





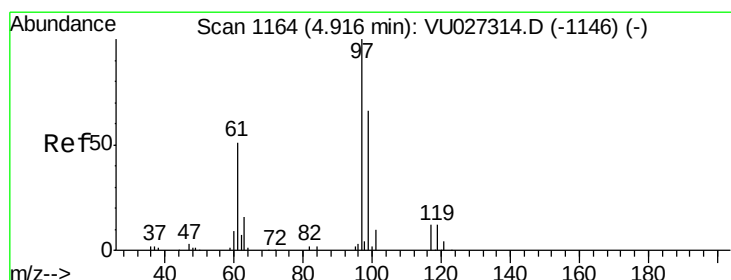
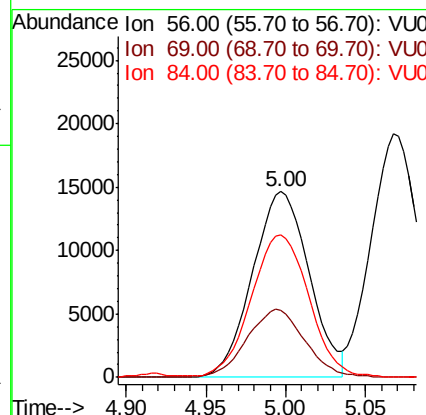
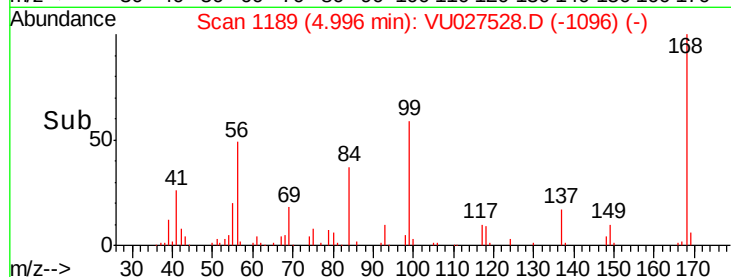
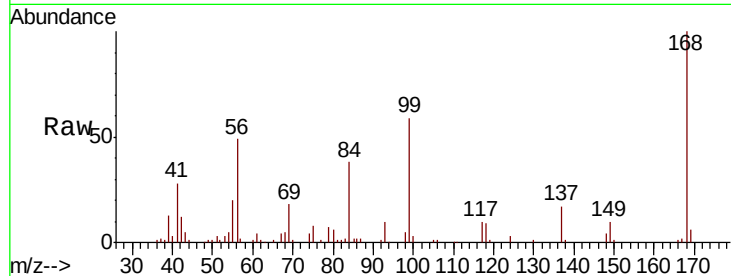
#31
Cyclohexane
Concen: 14.624 ug/l
RT: 5.00 min Scan# 1189
Delta R.T. -0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.2	24.1	36.1#
84	76.1	59.1	88.7

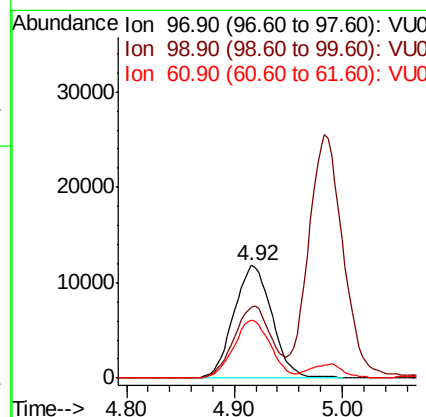
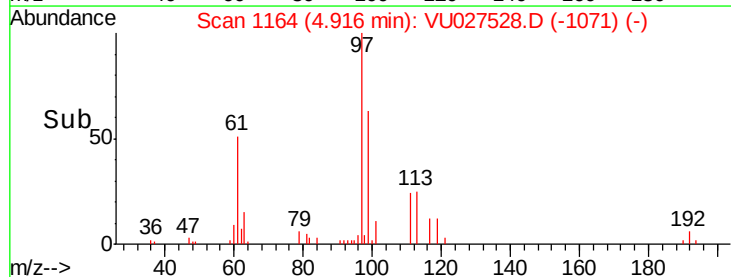
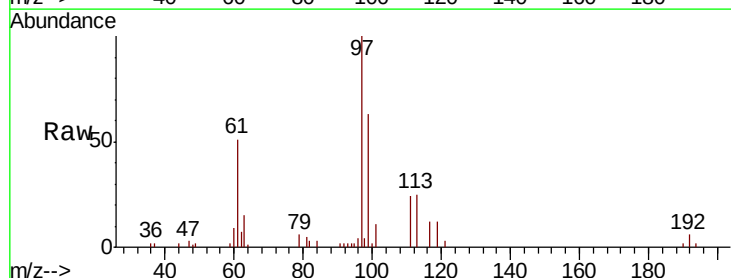
Manual Integrations
APPROVED

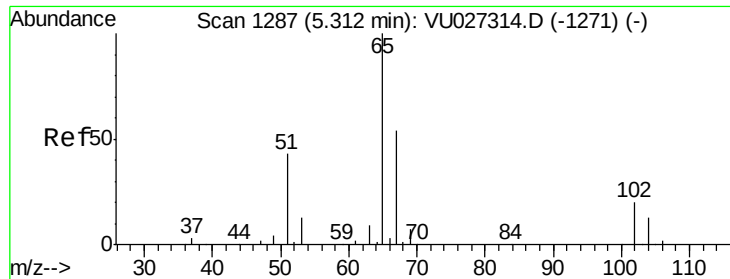
MMDadoda
10/11/2018 9:01:23 AM



#32
1,1,1-Trichloroethane
Concen: 16.332 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
97	100		
61	62.9	51.1	76.7
113	49.9	39.6	59.4





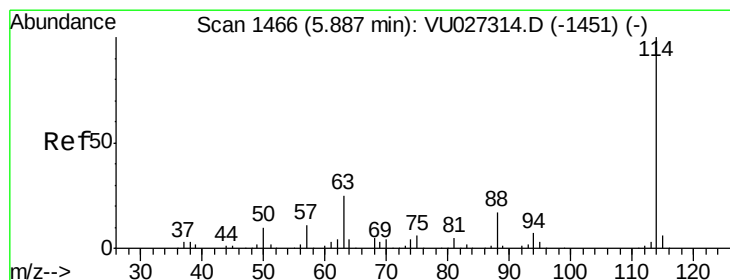
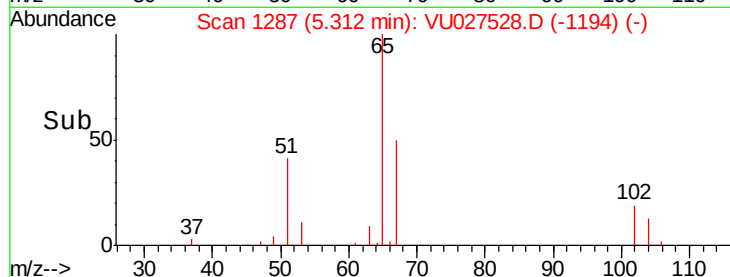
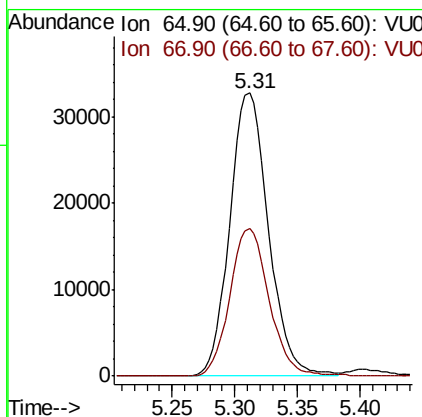
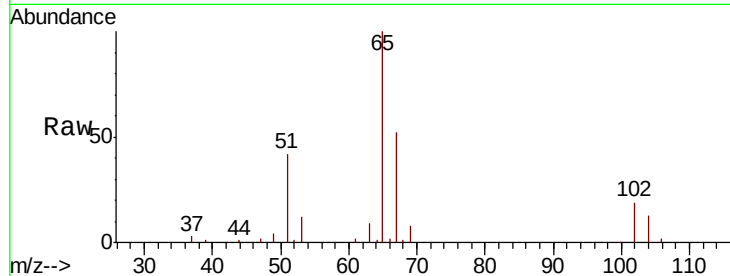
#33
 1,2-Dichloroethane-d4
 Concen: 46.494 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	107.8

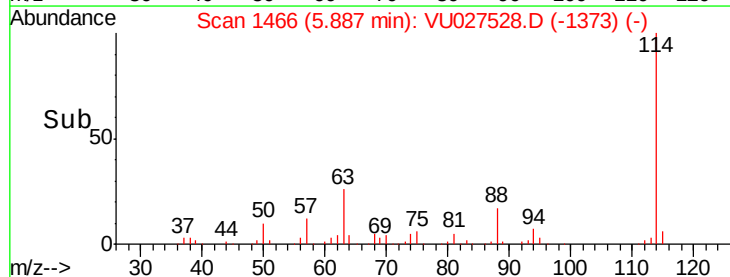
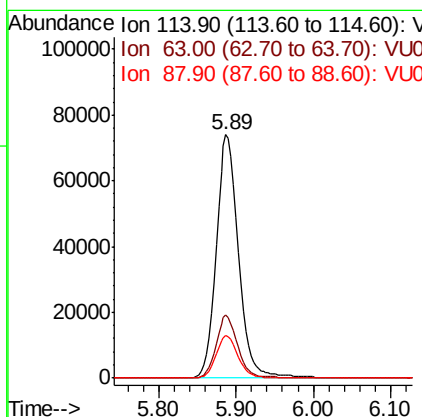
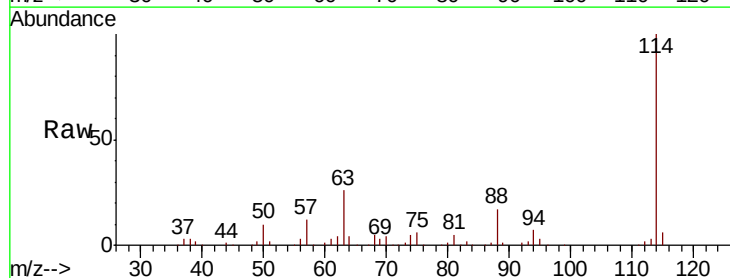
Manual Integrations
 APPROVED

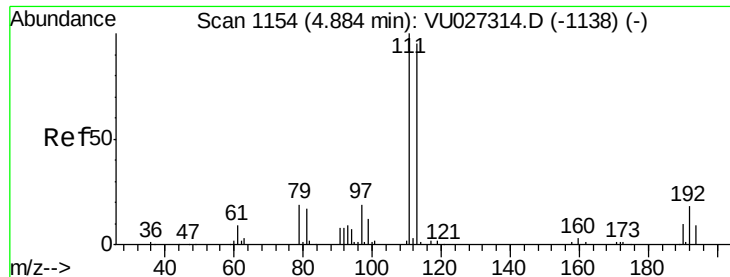
MMDadoda
 10/11/2018 9:01:23 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.8	0.0	50.2
88	17.3	0.0	33.8





#35

Dibromofluoromethane

Concen: 47.979 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

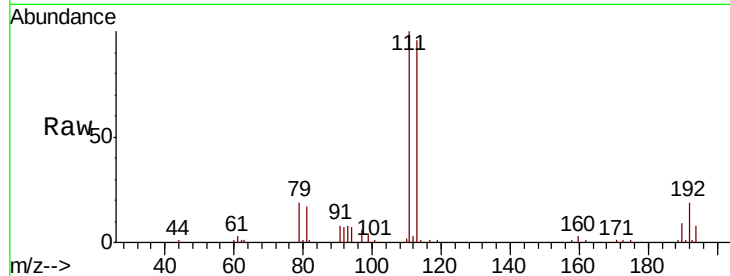
ClientSampleId :

VU1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	49349		
111	101.9	83.1	124.7	
192	19.4	15.4	23.0	

Manual Integrations
APPROVED

MMDadoda
10/11/2018 9:01:23 AM

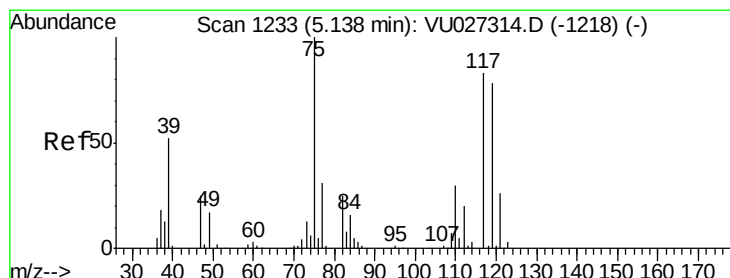
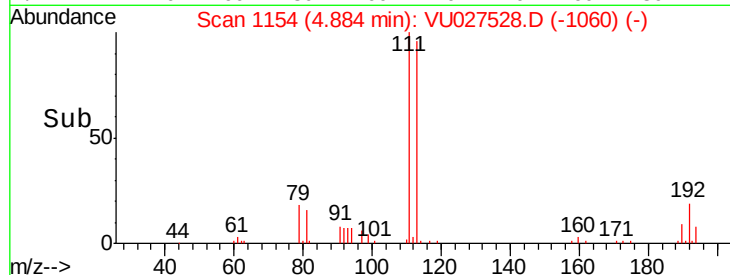
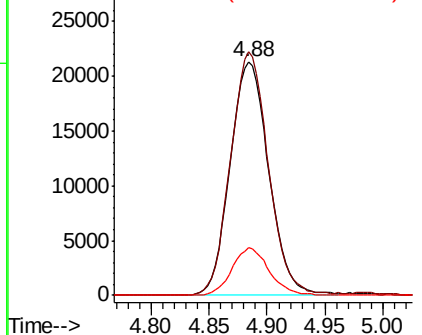


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 15.660 ug/l

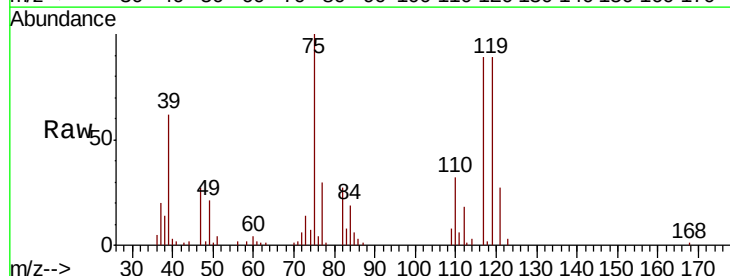
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25519		
110	30.1	15.5	46.5	
77	29.6	25.4	38.0	

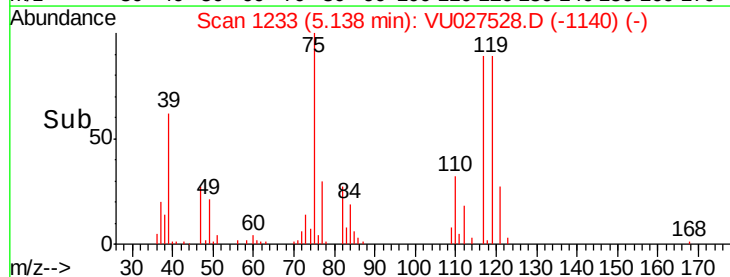
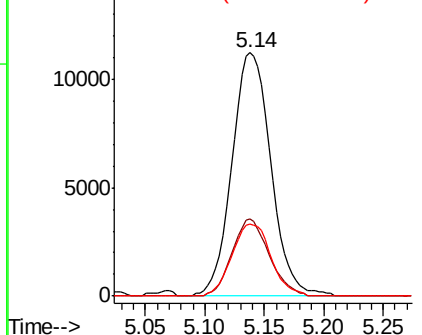


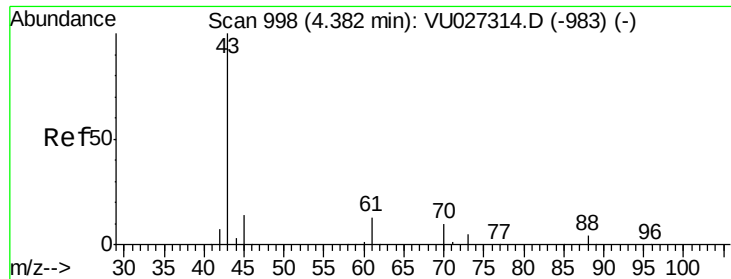
Abundance

Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





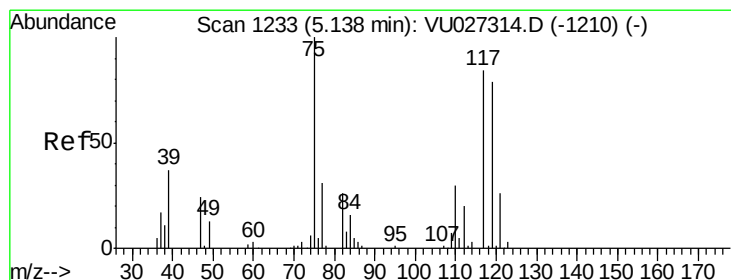
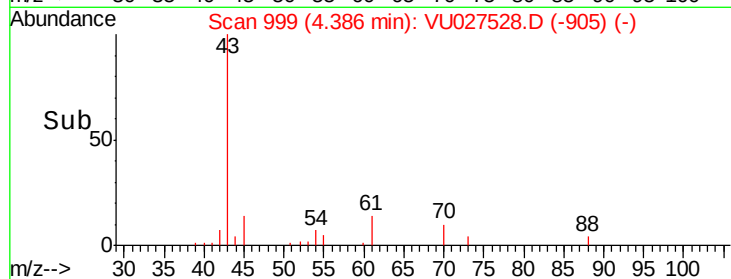
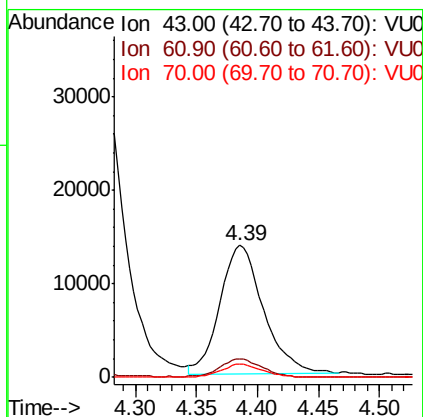
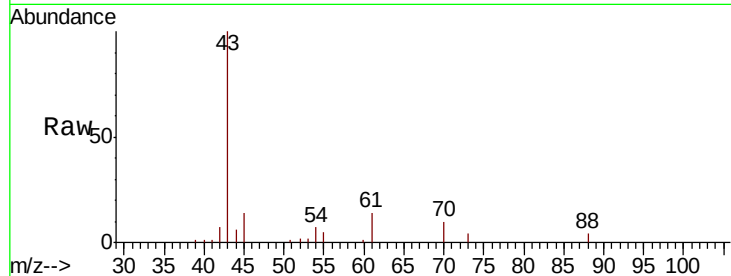
#37
Ethyl Acetate
Concen: 16.190 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.7	16.1
70	9.5	7.4	11.2

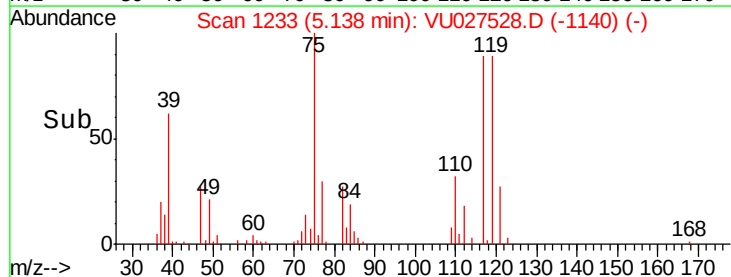
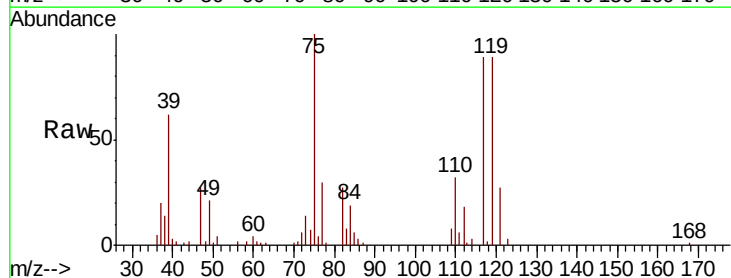
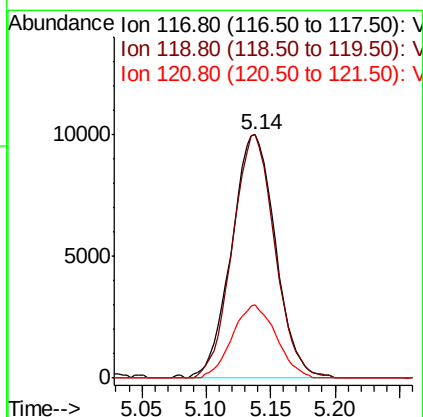
Manual Integrations
APPROVED

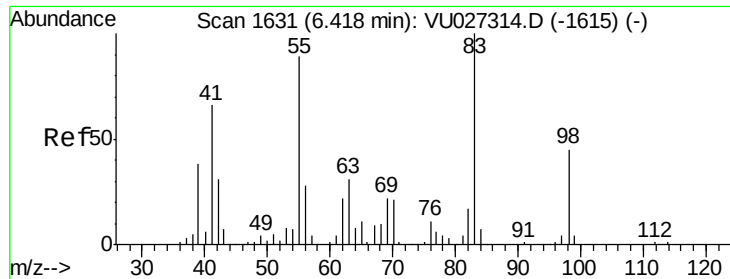
MMDadoda
10/11/2018 9:01:23 AM



#38
Carbon Tetrachloride
Concen: 16.090 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.0	74.5	111.7
121	29.9	24.6	37.0





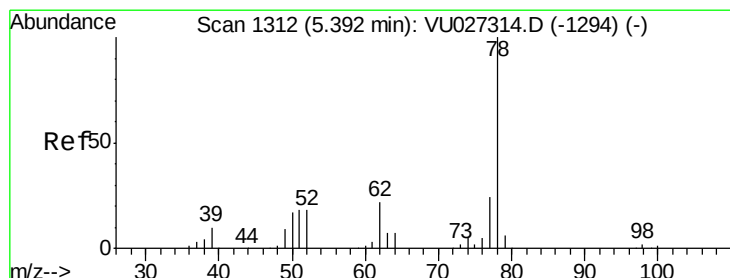
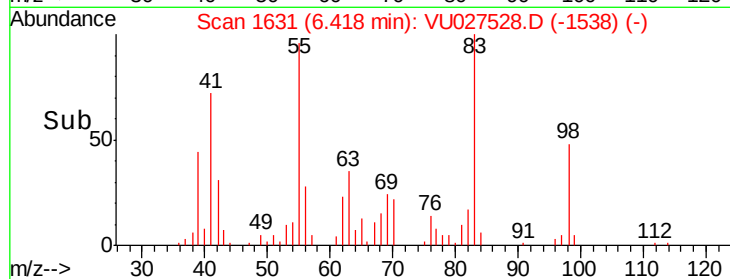
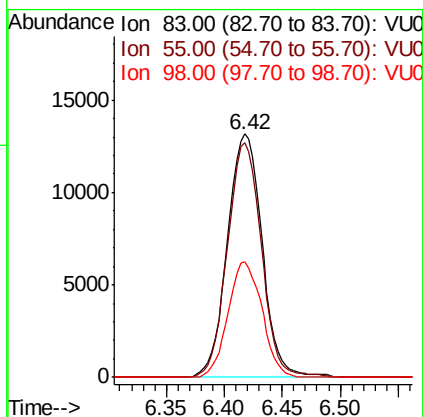
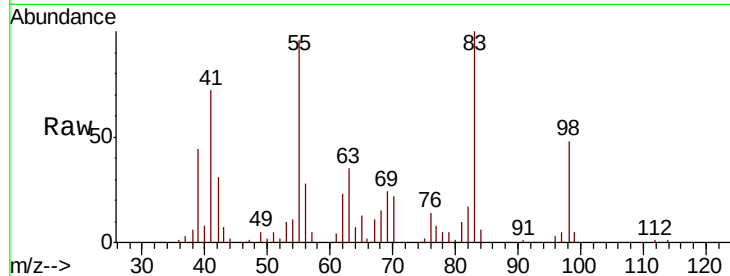
#39
Methylcyclohexane
Concen: 14.322 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	96.2	71.1	106.7
98	47.5	36.3	54.5

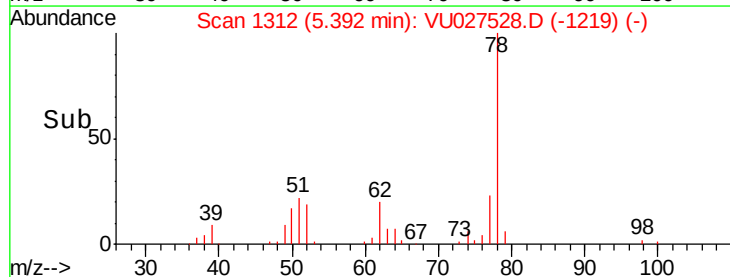
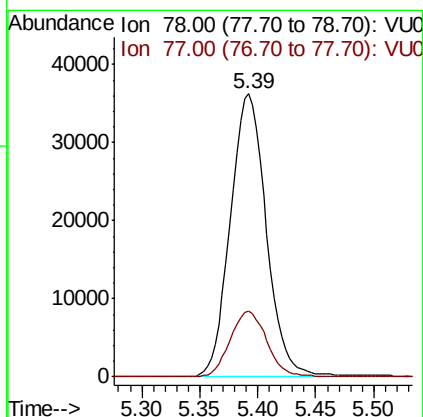
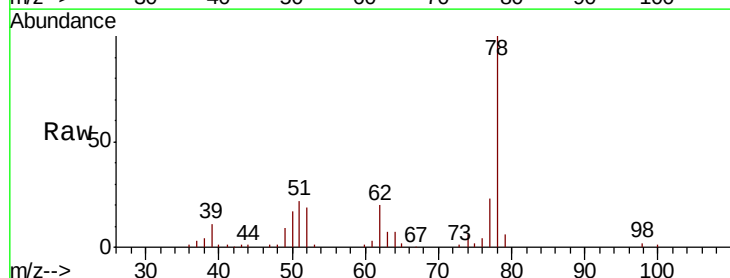
Manual Integrations
APPROVED

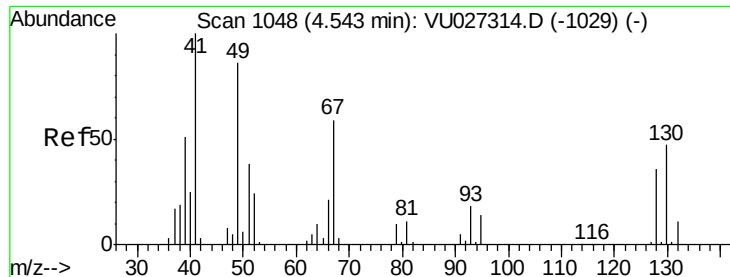
MMDadoda
10/11/2018 9:01:23 AM



#40
Benzene
Concen: 16.428 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9





#41

Methacrylonitrile

Concen: 16.630 ug/l

RT: 4.55 min Scan# 1049

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 41 Resp: 19796
Ion Ratio Lower Upper

41 100

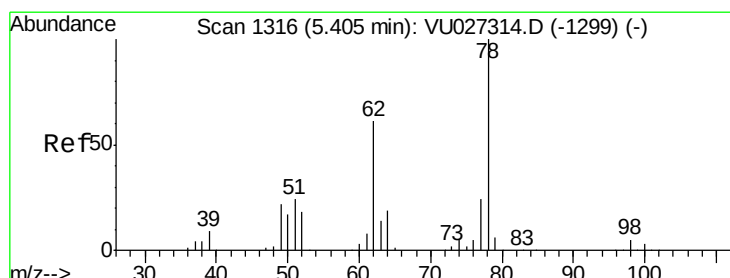
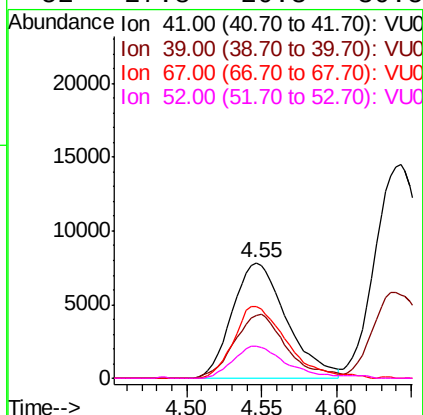
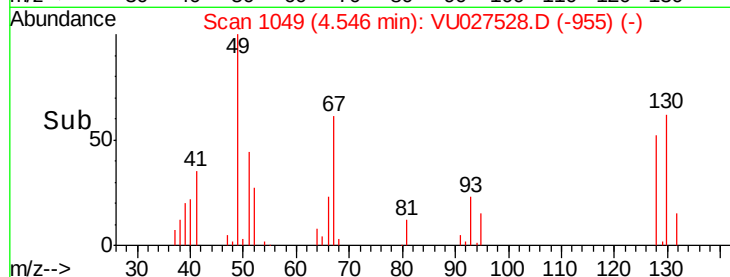
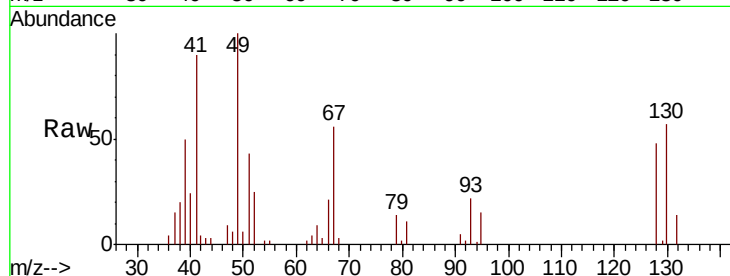
39 53.5 41.1 61.7

67 60.8 50.4 75.6

52 27.8 20.3 30.5

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#42

1,2-Dichloroethane

Concen: 17.091 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. 0.00 min

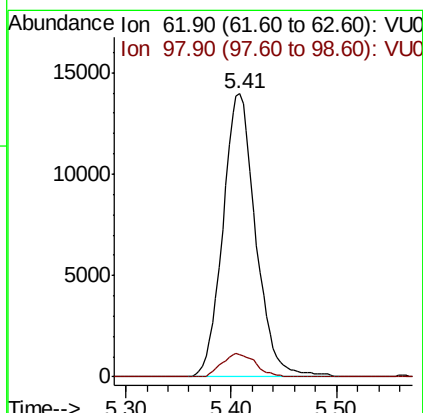
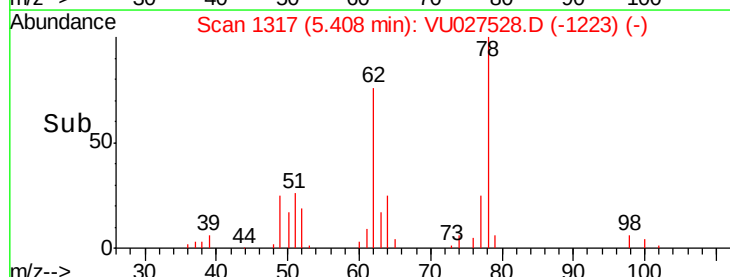
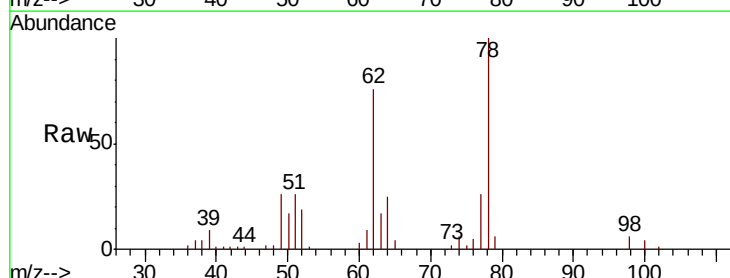
Lab File: VU027528.D

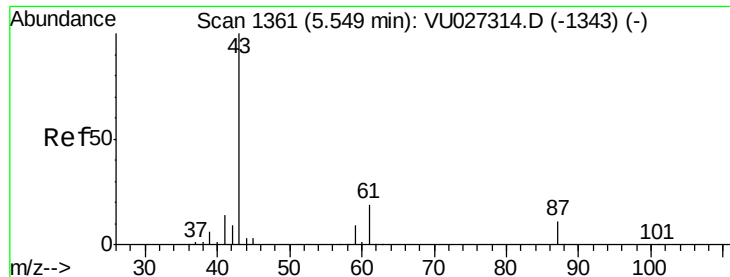
Acq: 09 Oct 2018 18:01

Tgt Ion: 62 Resp: 30114
Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.8





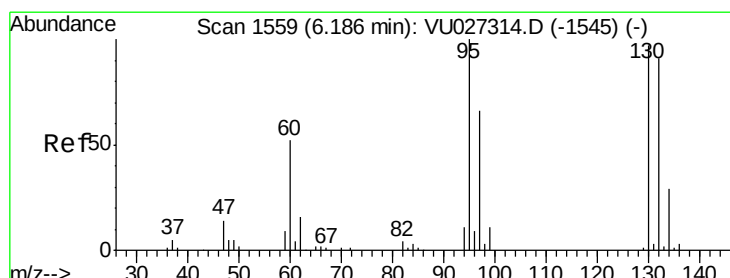
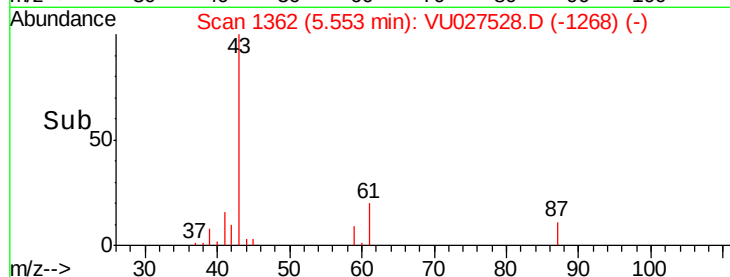
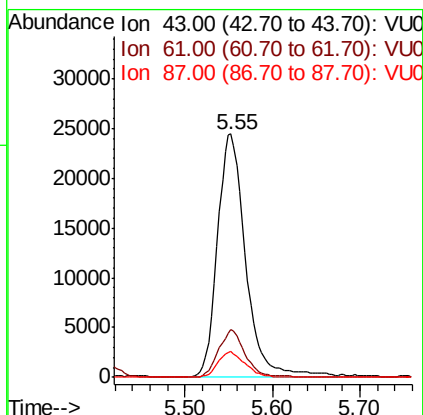
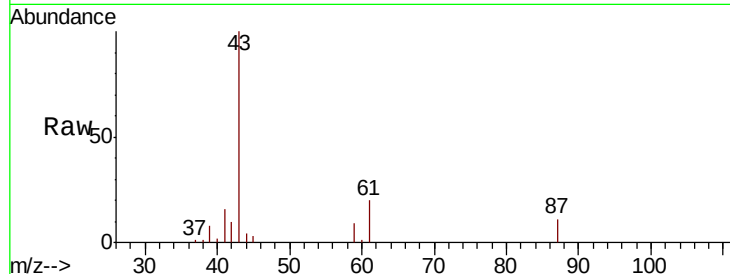
#43
Isopropyl Acetate
Concen: 16.820 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.3	22.9
87	10.1	8.6	13.0

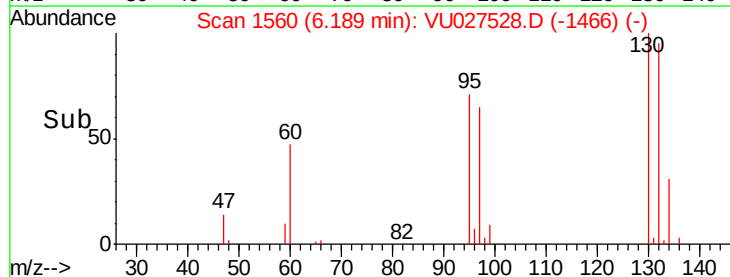
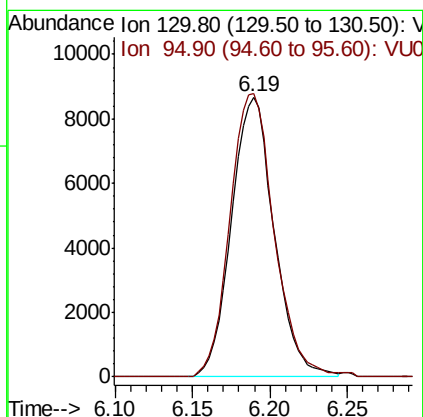
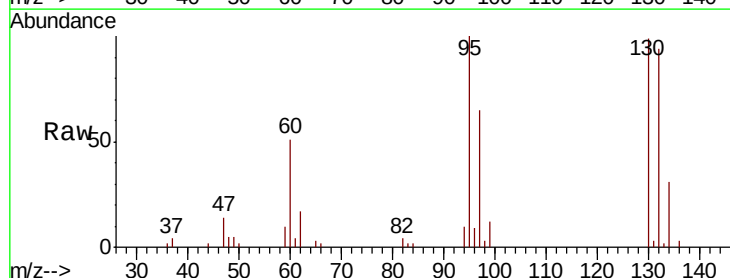
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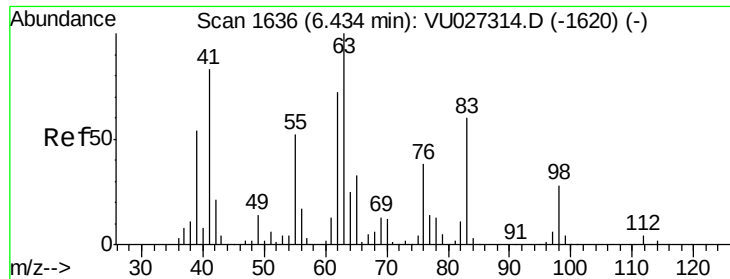
MMDadoda
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#44
Trichloroethene
Concen: 15.726 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	207.0





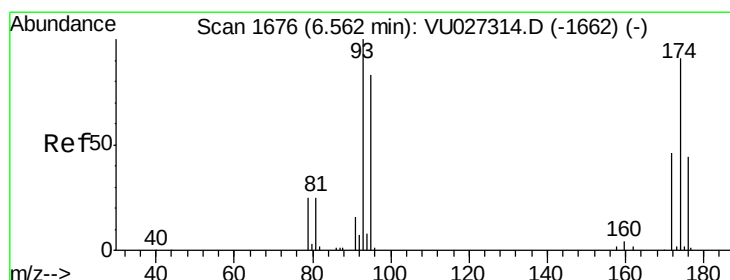
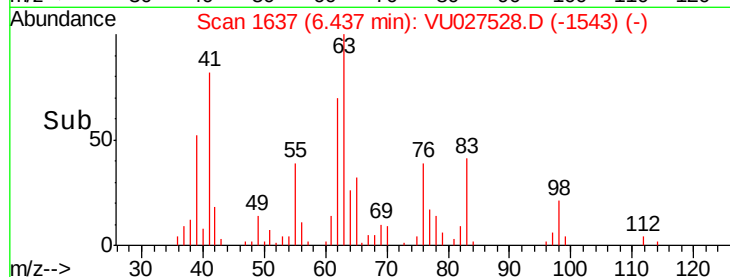
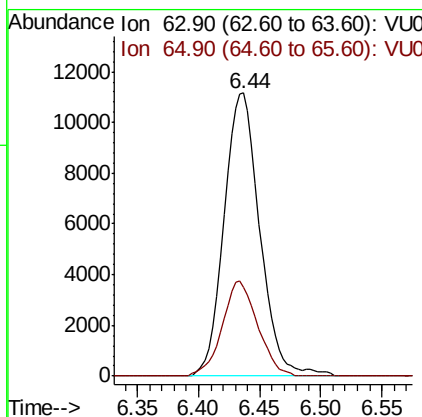
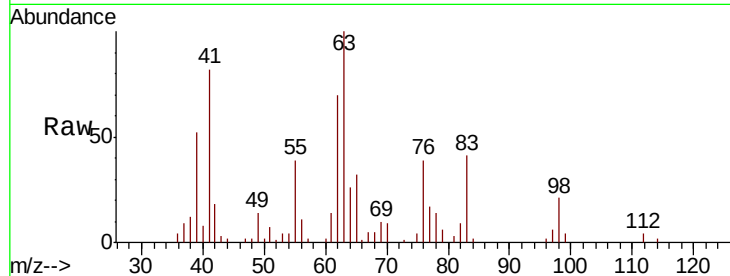
#45
 1,2-Dichloropropane
 Concen: 16.695 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion: 63 Resp: 22857
 Ion Ratio Lower Upper
 63 100
 65 31.6 26.0 39.0

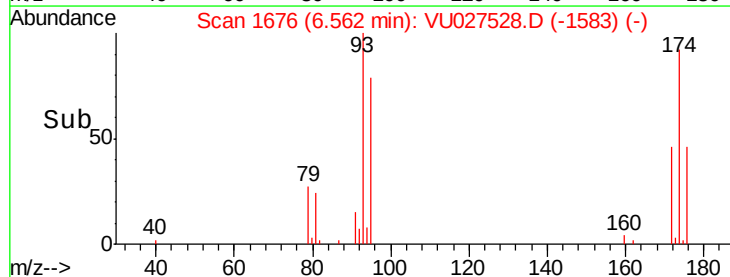
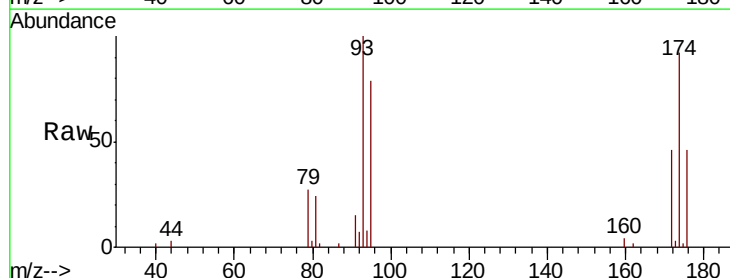
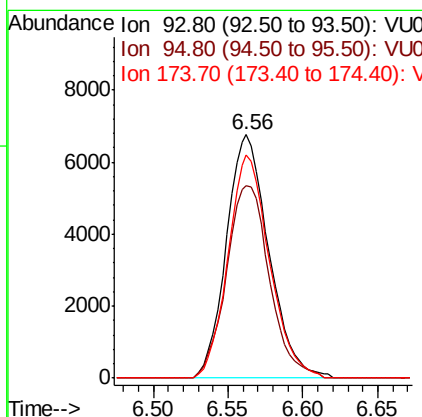
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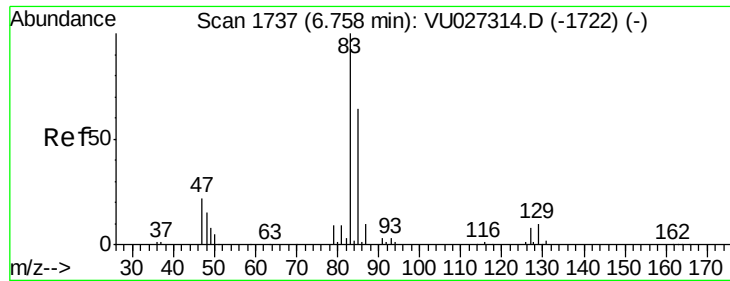
MMDadoda
 10/11/2018 9:01:23 AM



#46
 Dibromomethane
 Concen: 17.240 ug/l
 RT: 6.56 min Scan# 1676
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion: 93 Resp: 13331
 Ion Ratio Lower Upper
 93 100
 95 80.0 66.5 99.7
 174 89.4 72.5 108.7





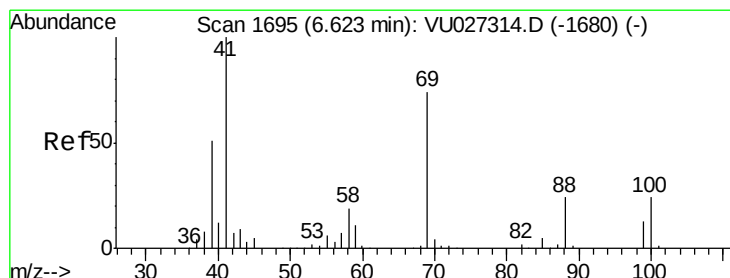
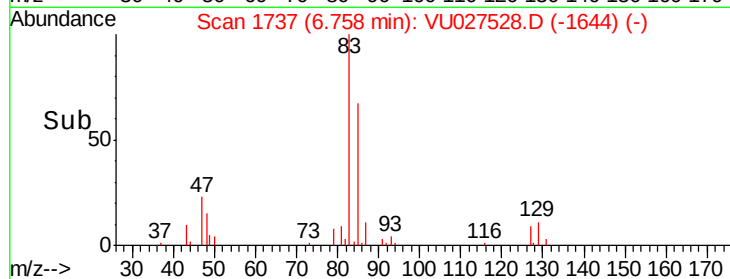
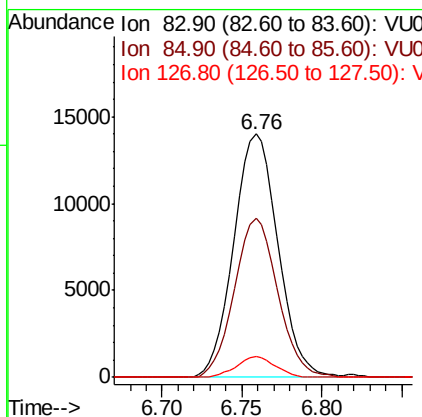
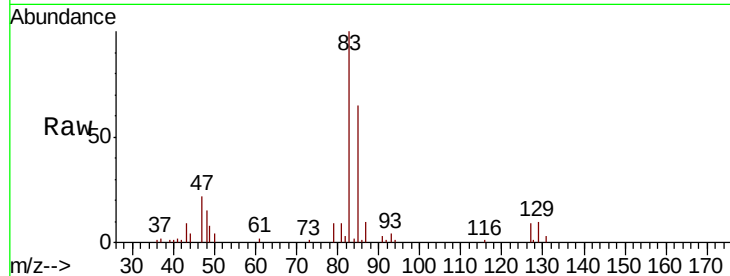
#47
Bromodichloromethane
Concen: 16.488 ug/l
RT: 6.76 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0
127	8.6	6.3	9.5

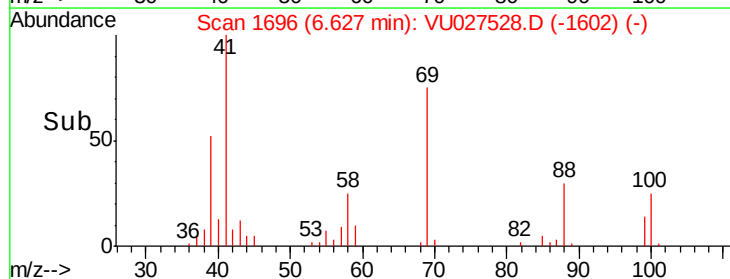
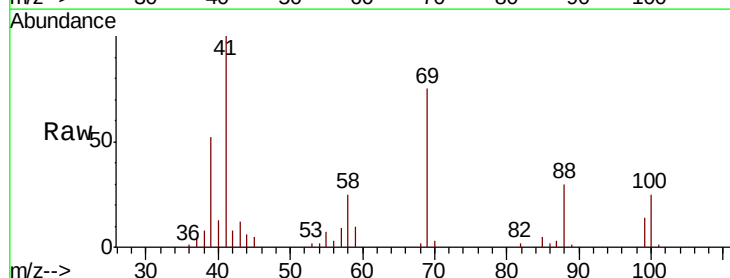
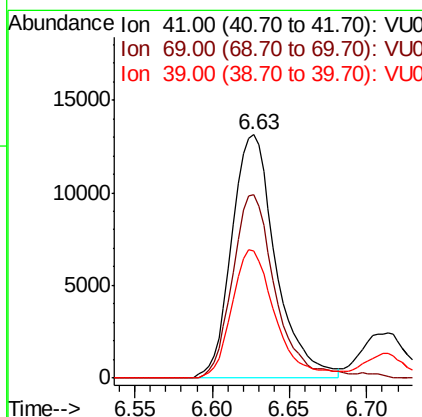
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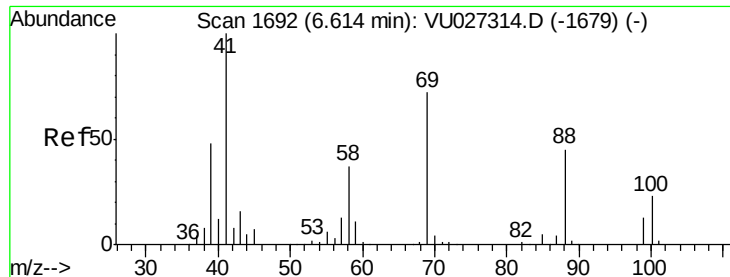
MMDadoda
10/11/2018 9:01:23 AM



#48
Methyl methacrylate
Concen: 16.020 ug/l
RT: 6.63 min Scan# 1696
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.1	61.0	91.4
39	52.1	39.9	59.9





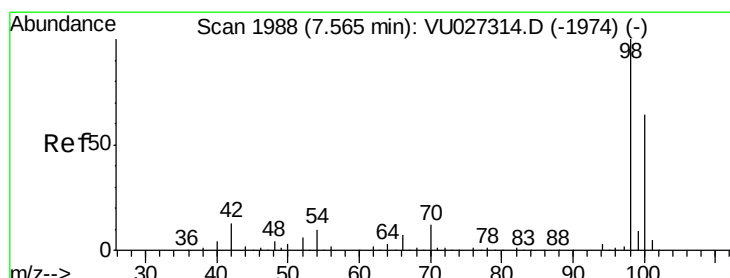
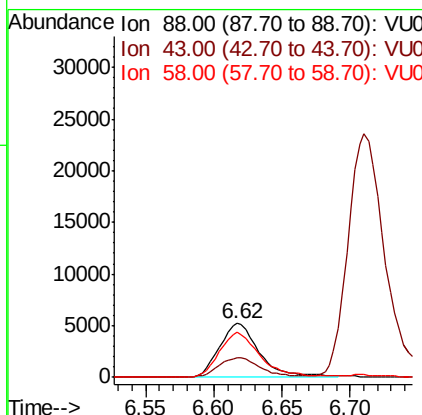
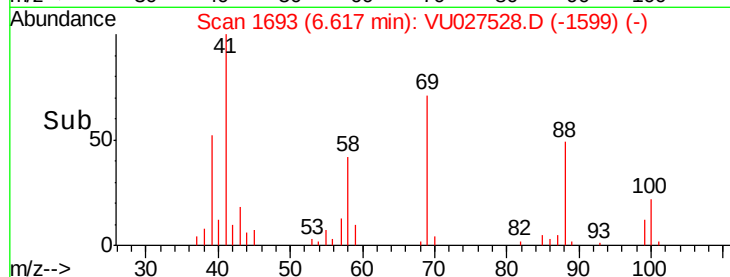
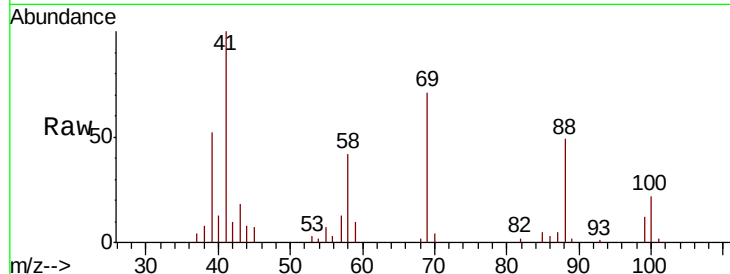
#49
1,4-Dioxane
Concen: 379.969 ug/l
RT: 6.62 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.0	30.8	46.2
58	84.4	67.0	100.6

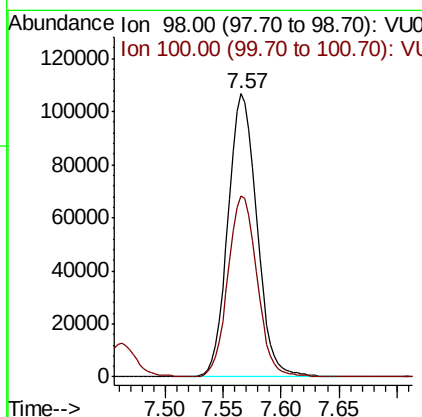
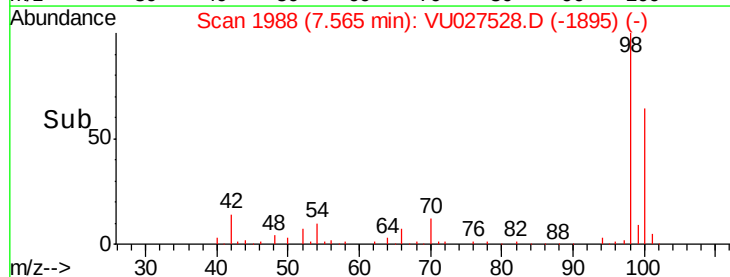
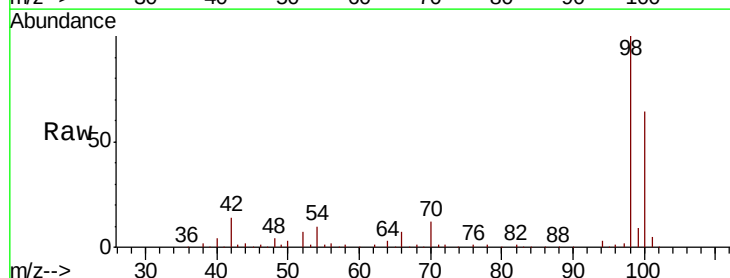
Manual Integrations
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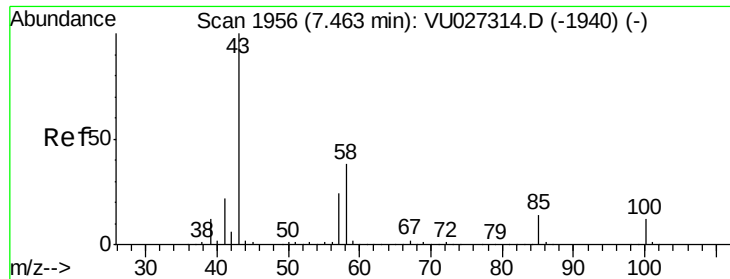
MMDadoda
10/11/2018 9:01:23 AM



#50
Toluene-d8
Concen: 47.986 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 85.575 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 43 Resp: 181886

Ion Ratio Lower Upper

43 100

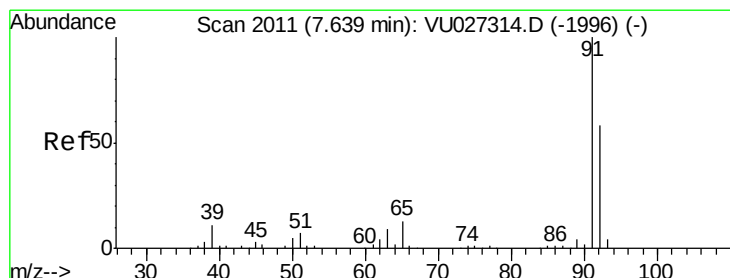
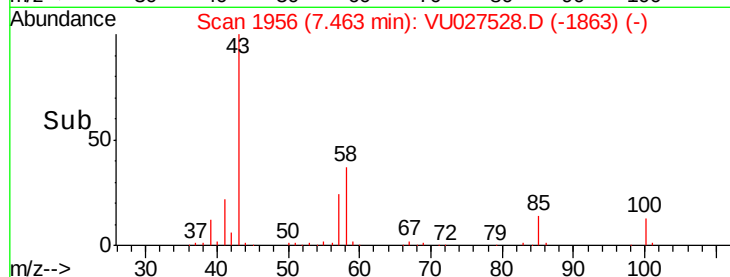
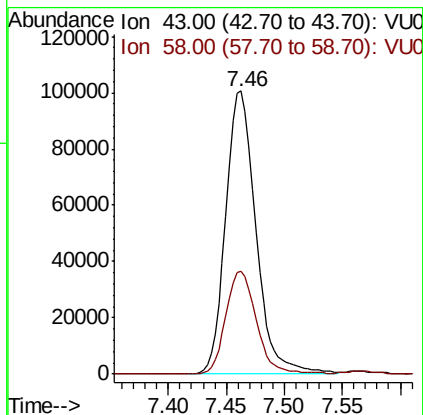
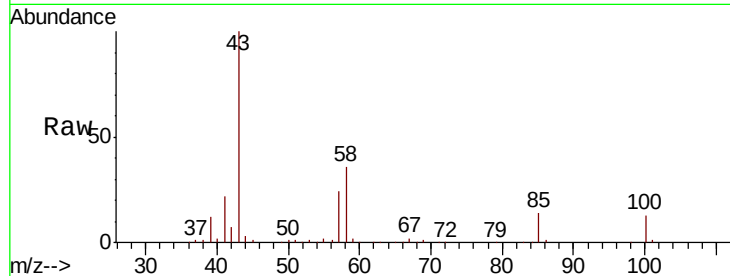
58 36.7 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 16.024 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU027528.D

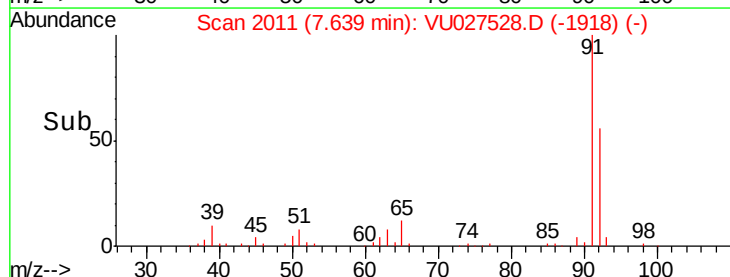
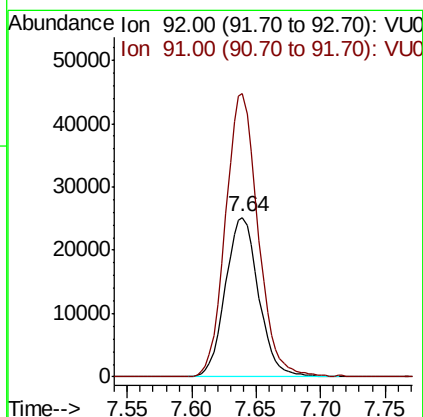
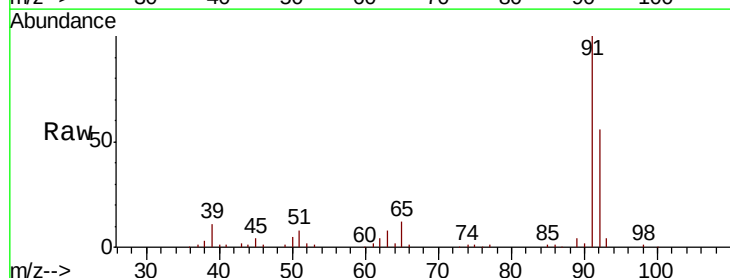
Acq: 09 Oct 2018 18:01

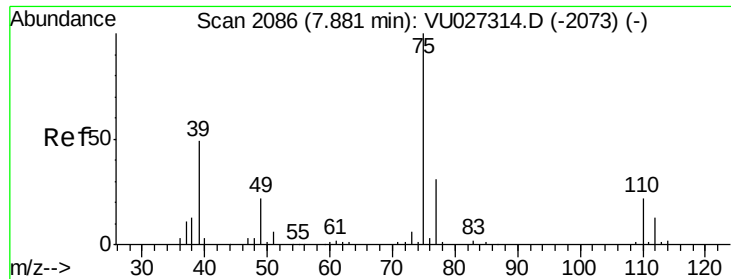
Tgt Ion: 92 Resp: 45020

Ion Ratio Lower Upper

92 100

91 174.4 138.6 208.0





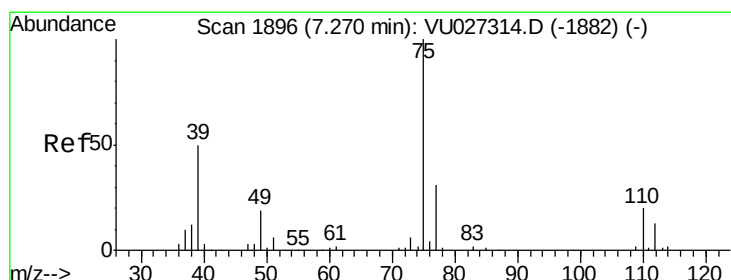
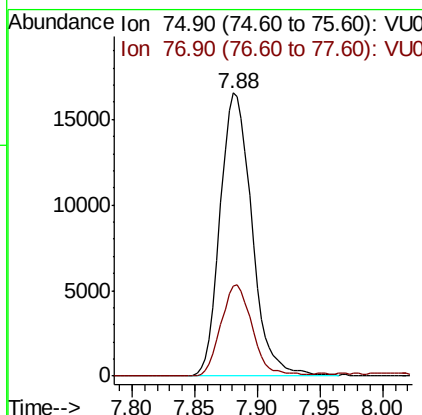
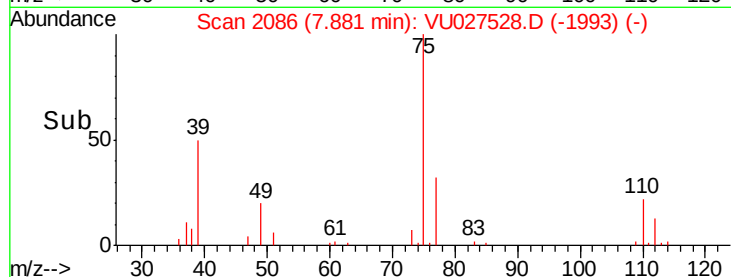
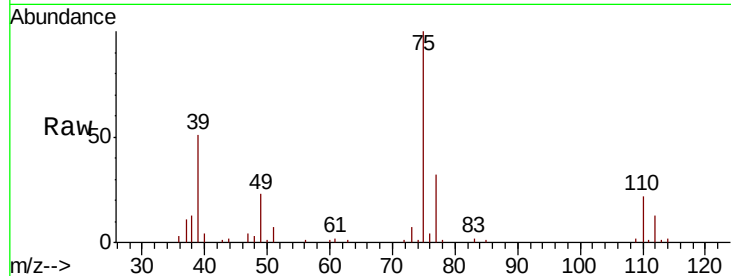
#53
t-1,3-Dichloropropene
Concen: 15.495 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion: 75 Resp: 29150
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6

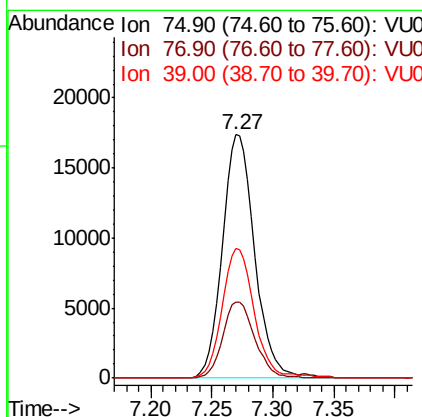
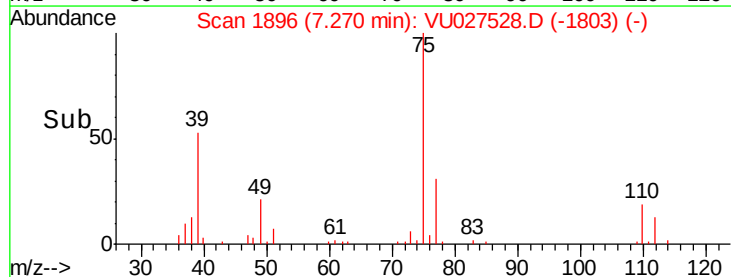
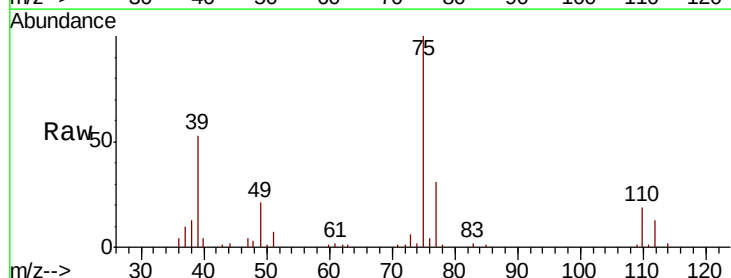
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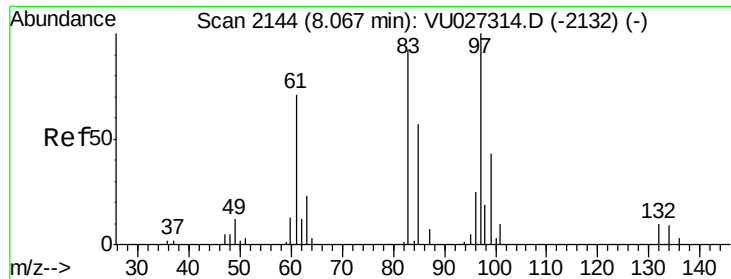
MMDadoda
10/11/2018 9:01:23 AM



#54
cis-1,3-Dichloropropene
Concen: 15.979 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion: 75 Resp: 32315
Ion Ratio Lower Upper
75 100
77 31.4 24.5 36.7
39 53.3 40.1 60.1





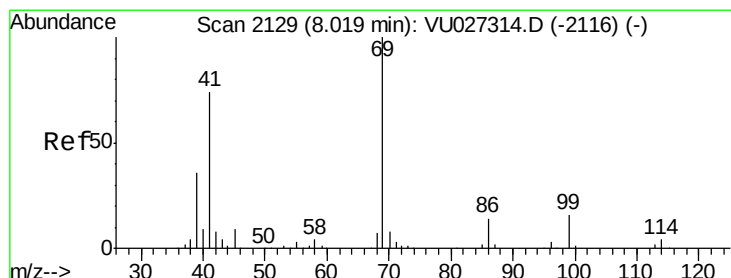
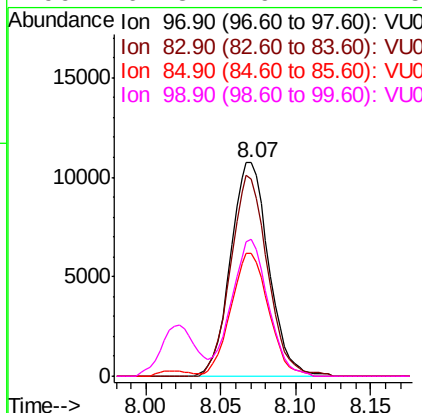
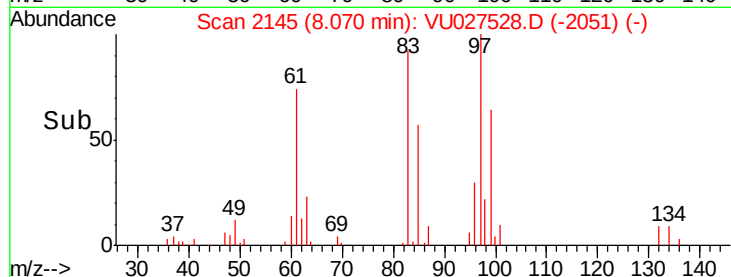
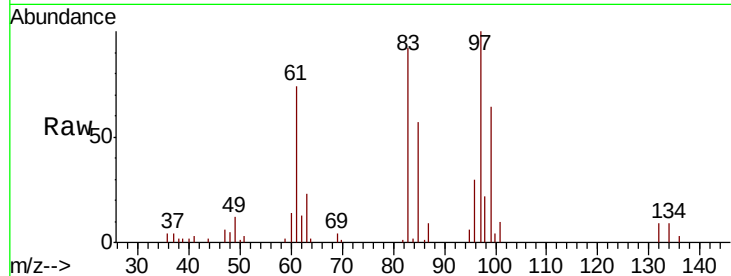
#55
 1,1,2-Trichloroethane
 Concen: 17.090 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.3	73.0	109.6
85	57.4	47.3	70.9
99	64.3	49.7	74.5

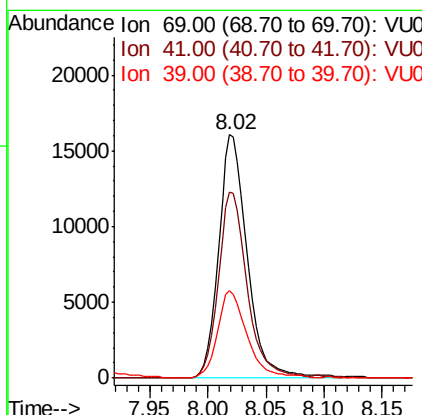
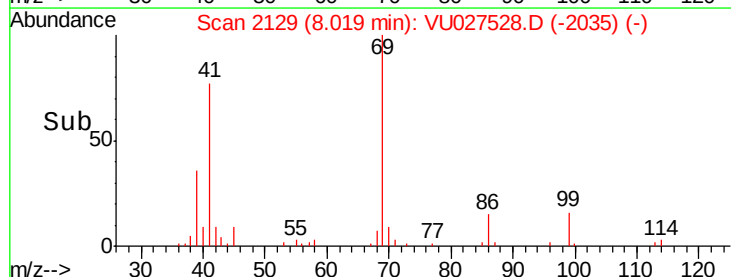
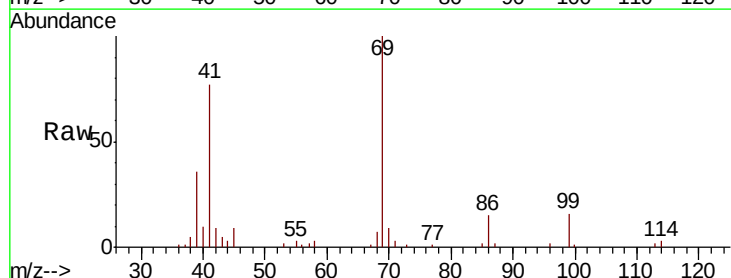
Manual Integrations
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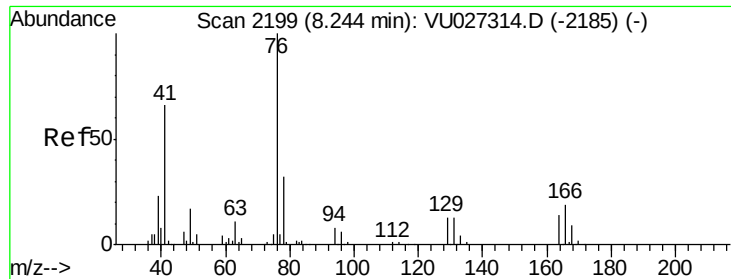
MMDadoda
 10/11/2018 9:01:23 AM



#56
 Ethyl methacrylate
 Concen: 14.652 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.7	60.0	90.0
39	37.1	29.5	44.3





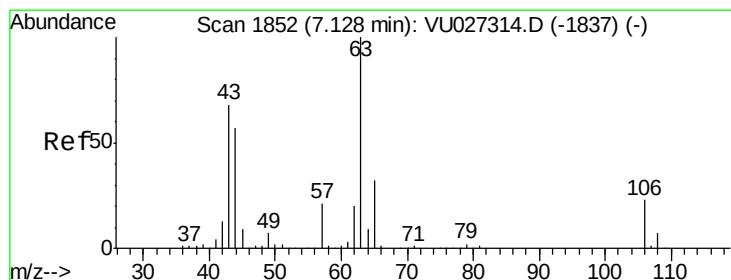
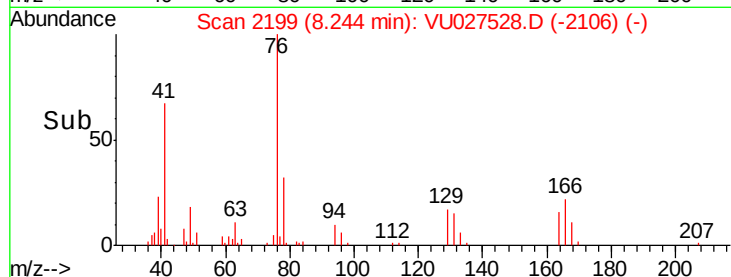
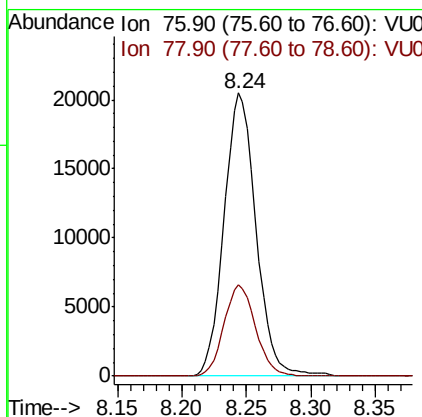
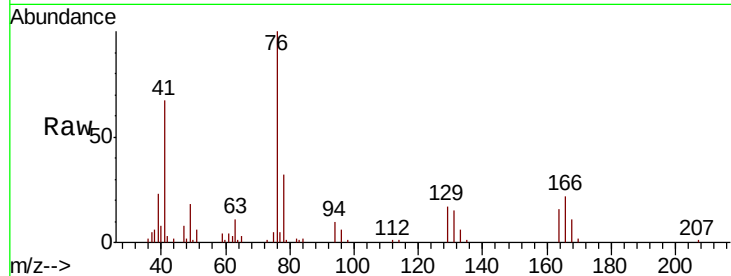
#57
 1,3-Dichloropropane
 Concen: 16.297 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion: 76 Resp: 35242
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

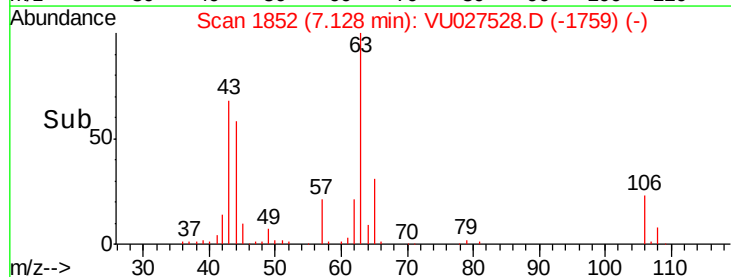
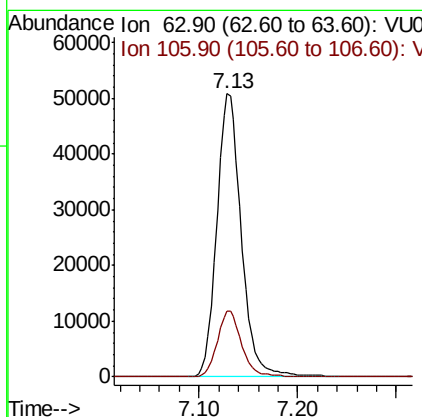
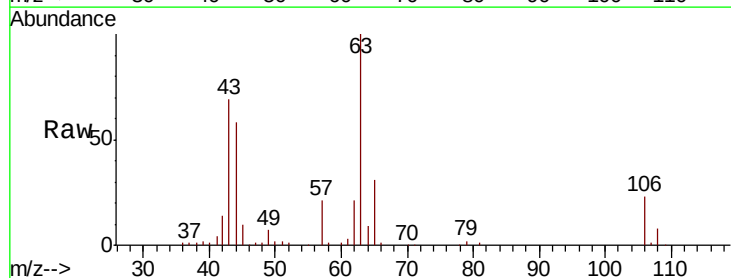
Manual Integrations
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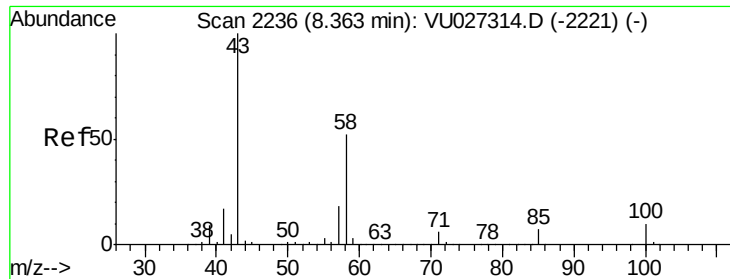
MMDadoda
 10/11/2018 9:01:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.349 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion: 63 Resp: 88572
 Ion Ratio Lower Upper
 63 100
 106 23.1 18.5 27.7





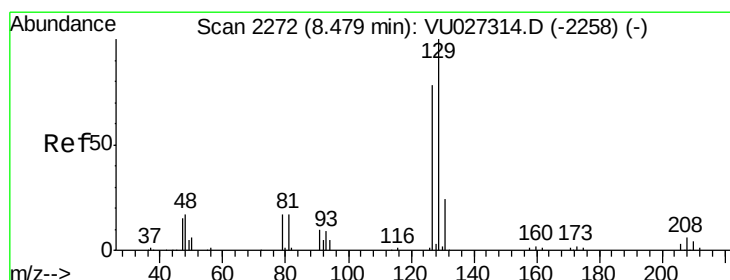
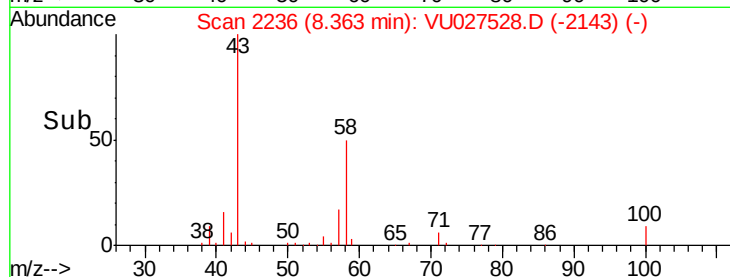
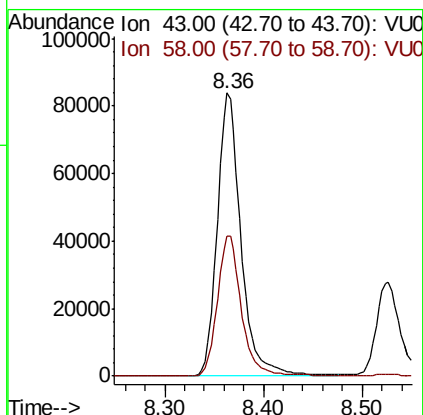
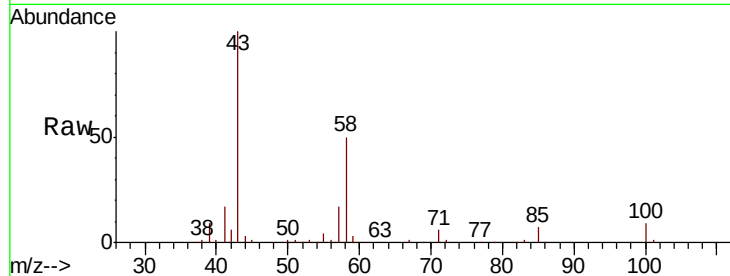
#59
2-Hexanone
Concen: 85.836 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion: 43 Resp: 141524
Ion Ratio Lower Upper
43 100
58 50.4 26.1 78.3

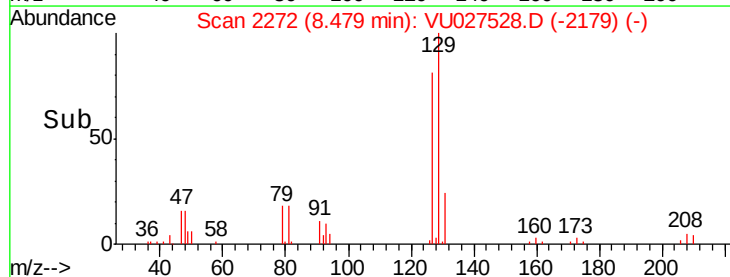
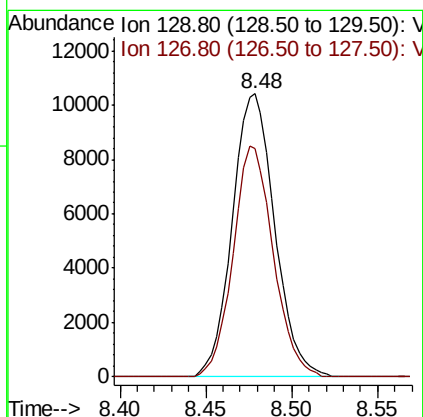
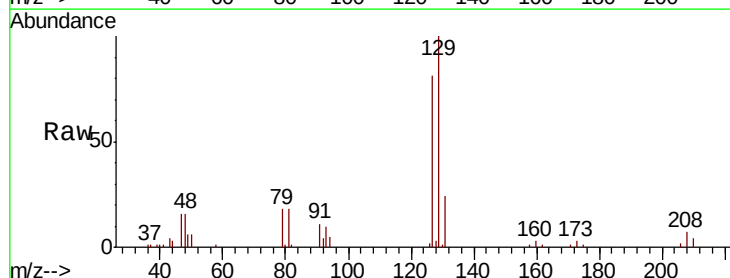
Manual Integrations
APPROVED

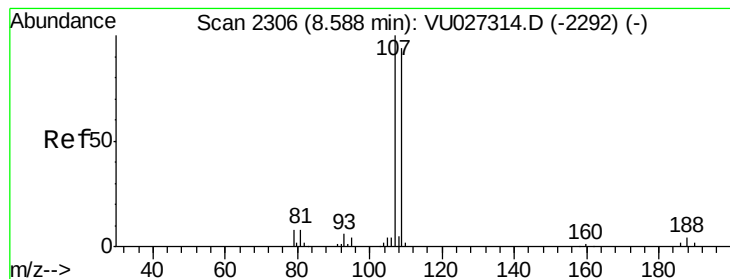
MMDadoda
10/11/2018 9:01:23 AM



#60
Dibromochloromethane
Concen: 16.045 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion: 129 Resp: 17926
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 16.415 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 107 Resp: 19441

Ion Ratio Lower Upper

107 100

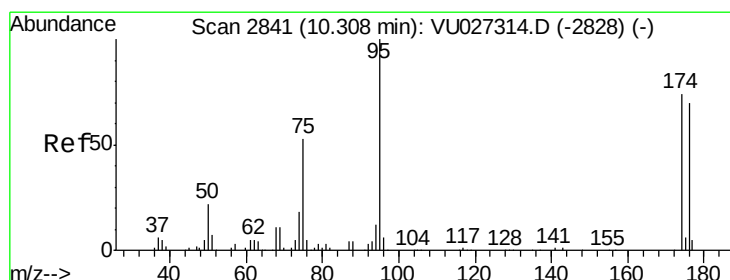
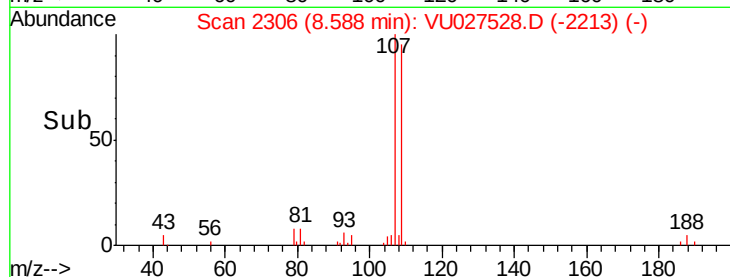
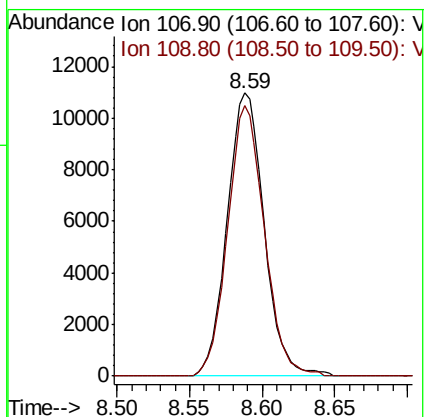
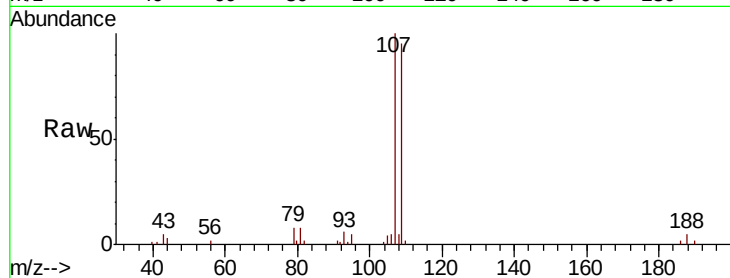
109 94.6 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.908 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

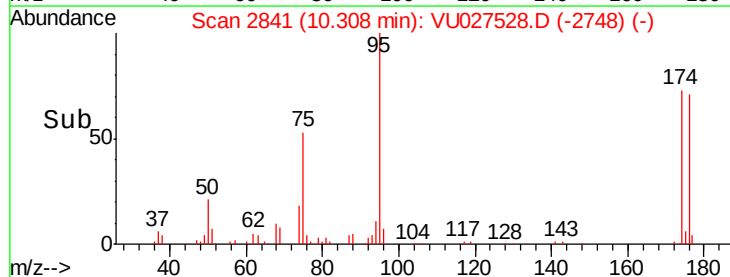
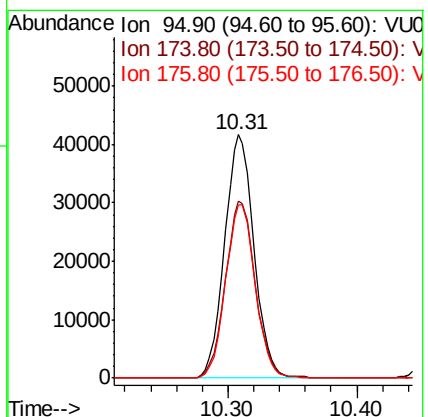
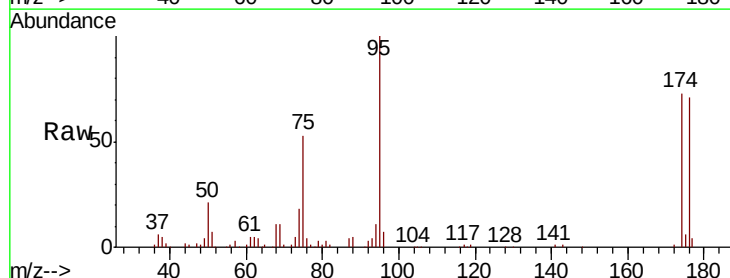
Tgt Ion: 95 Resp: 65678

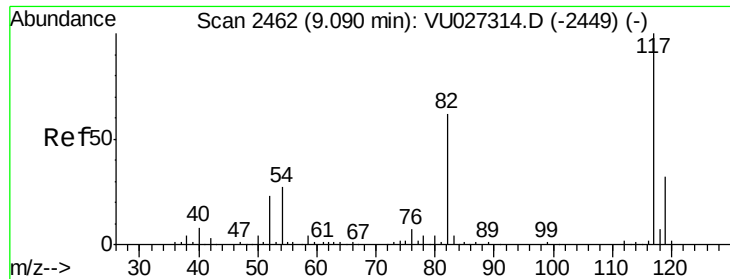
Ion Ratio Lower Upper

95 100

174 74.0 0.0 147.8

176 71.9 0.0 140.8





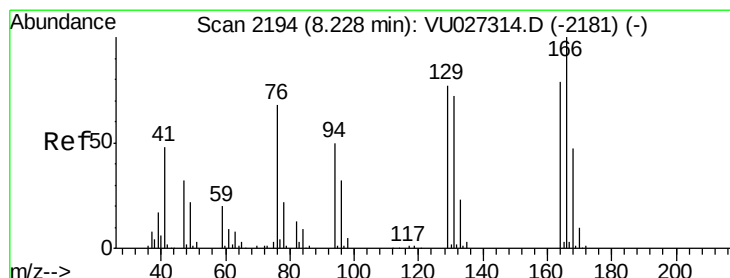
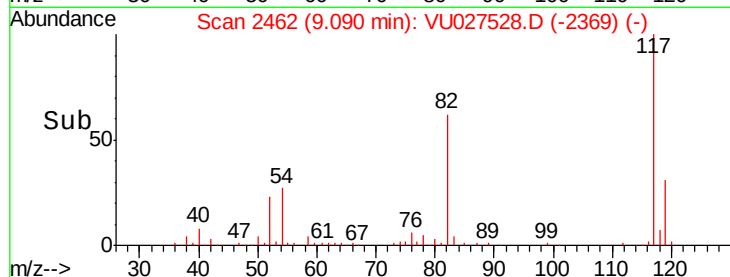
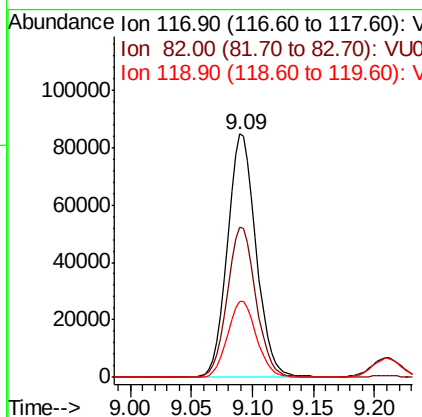
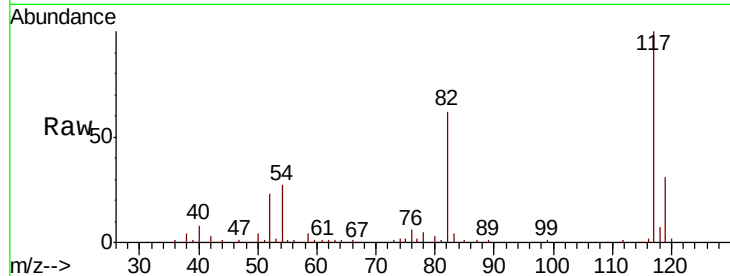
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	139313		
82	61.6	49.2	73.8	
119	31.4	25.7	38.5	

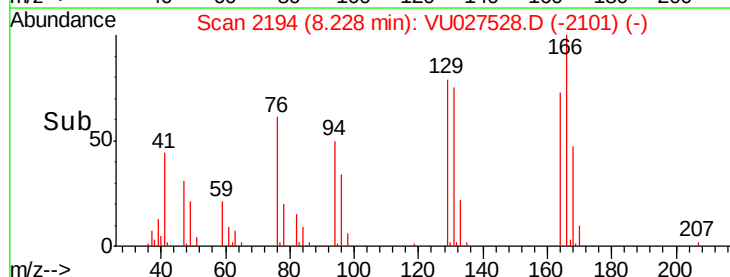
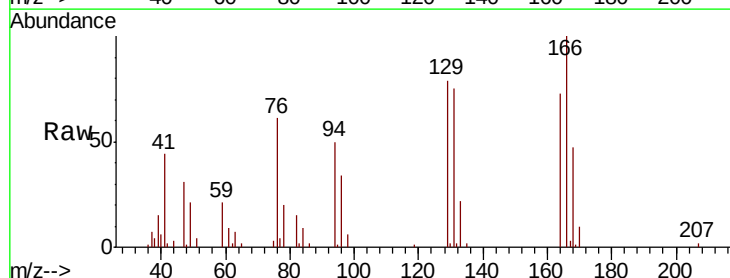
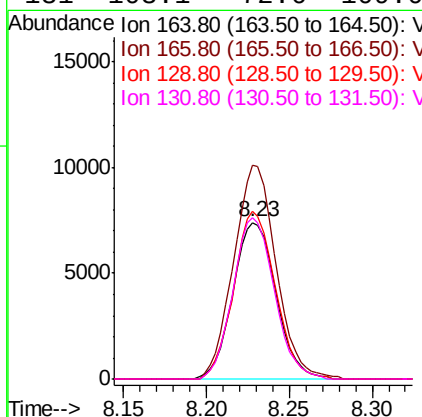
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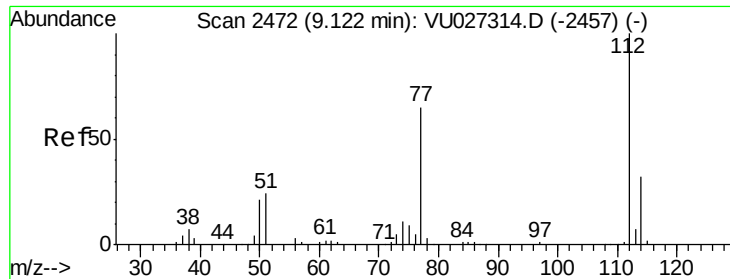
MMDadoda
10/11/2018 9:01:23 AM



#64
Tetrachloroethene
Concen: 15.389 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	13346		
166	136.6	101.0	151.6	
129	107.3	78.0	117.0	
131	103.1	72.6	109.0	





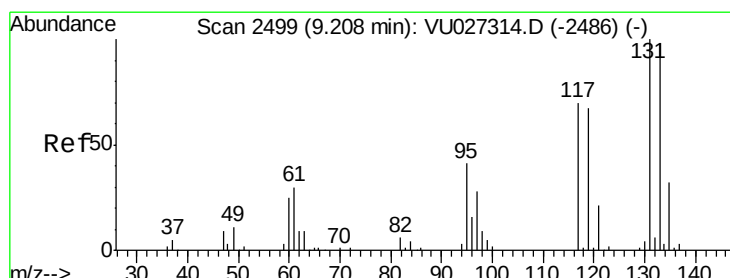
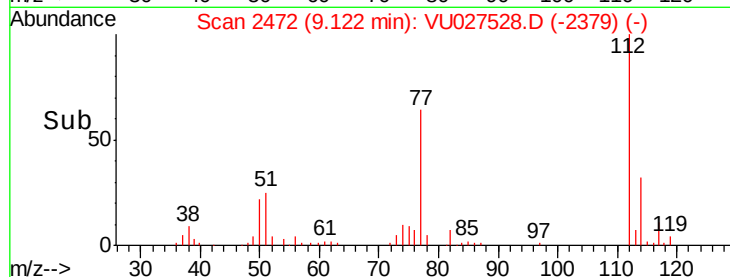
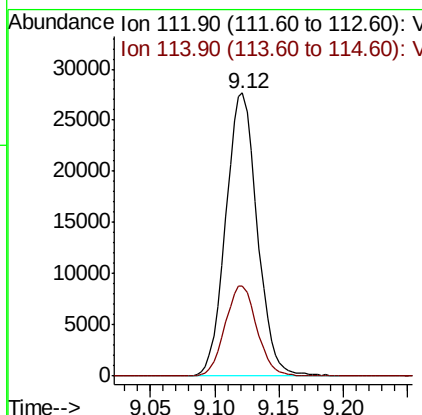
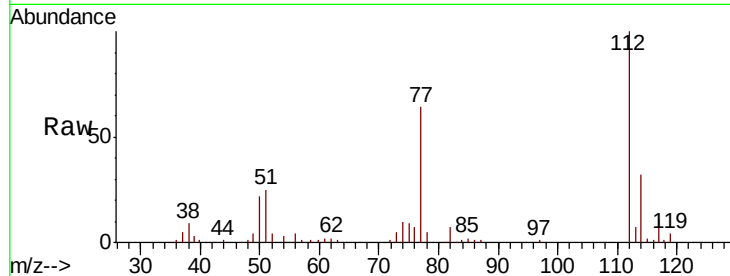
#65
Chlorobenzene
Concen: 15.997 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion:112 Resp: 46909
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

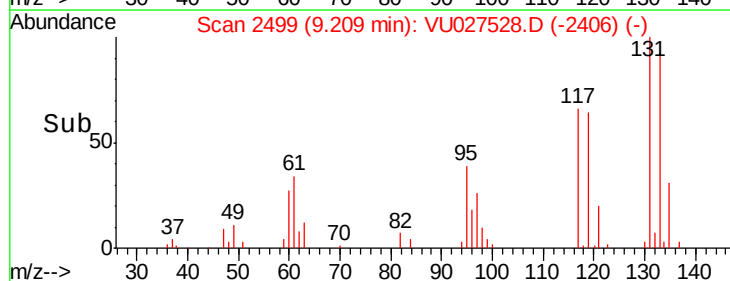
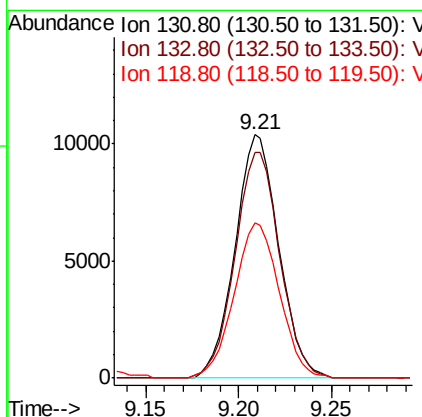
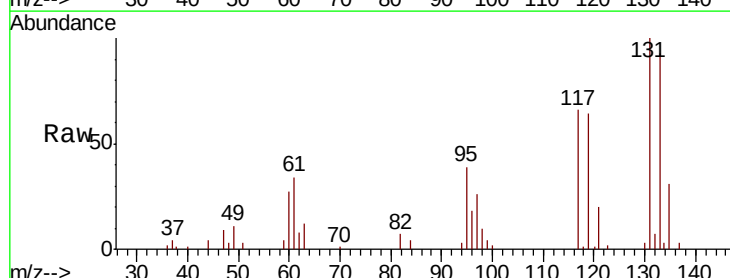
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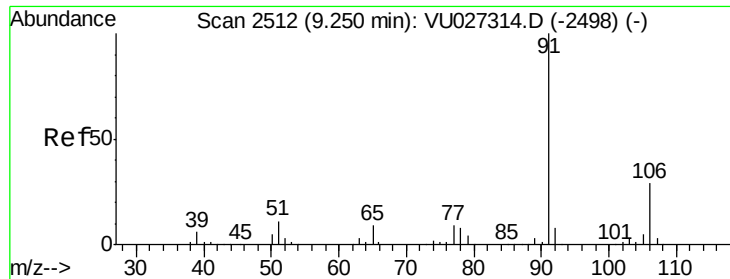
MMDadoda
10/11/2018 9:01:23 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 16.744 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion:131 Resp: 16950
Ion Ratio Lower Upper
131 100
133 95.3 48.5 145.6
119 66.2 33.5 100.4





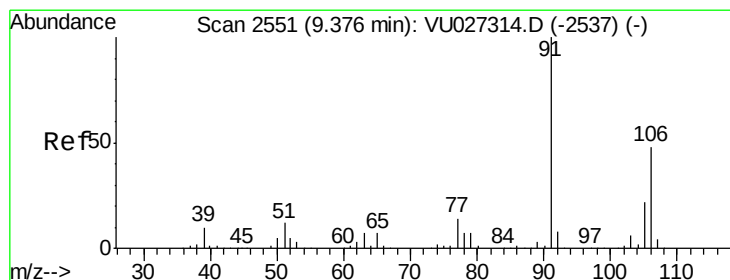
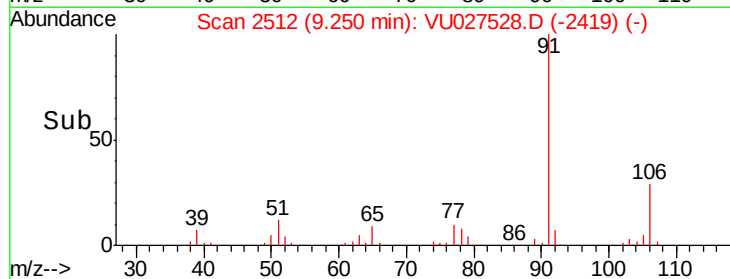
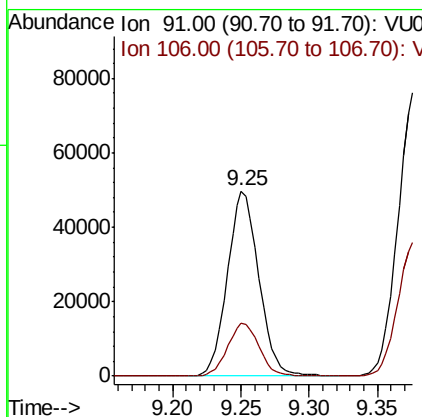
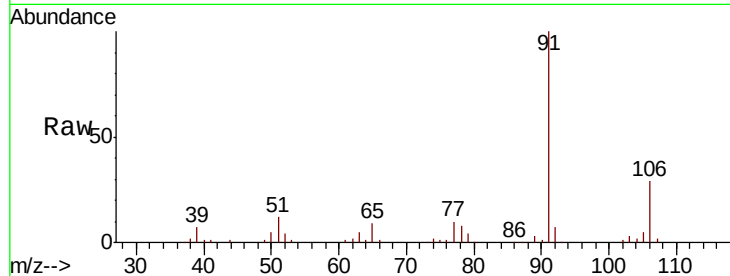
#67
Ethyl Benzene
Concen: 15.323 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion: 91 Resp: 79611
Ion Ratio Lower Upper
91 100
106 28.6 23.6 35.4

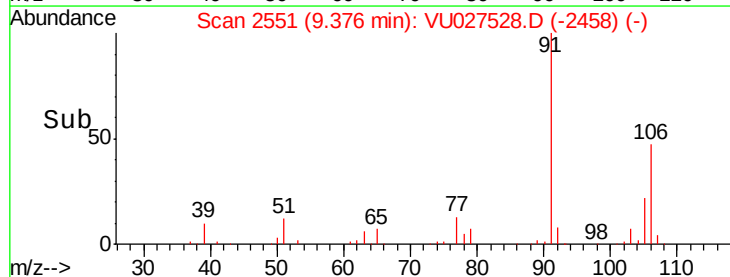
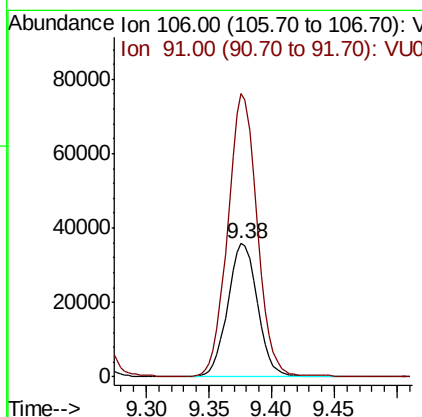
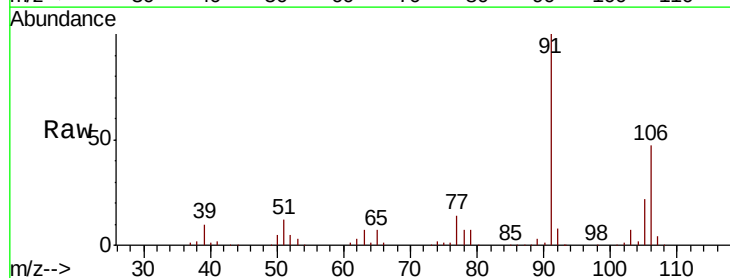
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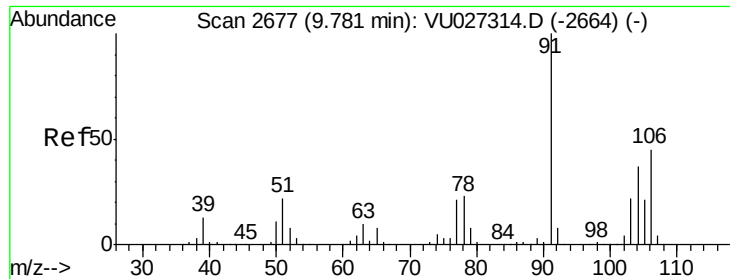
MMDadoda
10/11/2018 9:01:23 AM



#68
m/p-Xylenes
Concen: 31.204 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion: 106 Resp: 59300
Ion Ratio Lower Upper
106 100
91 207.5 168.1 252.1





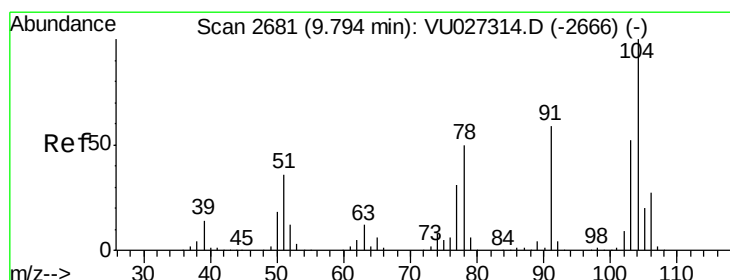
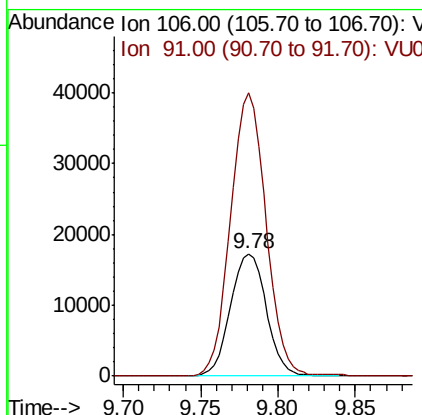
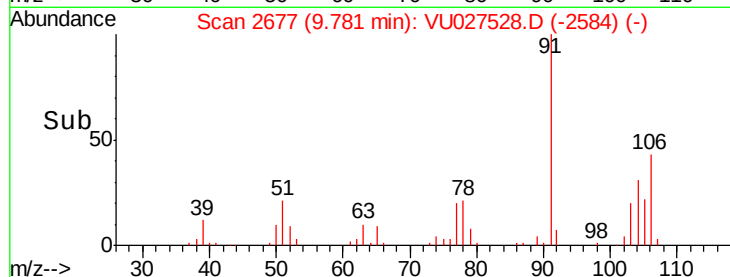
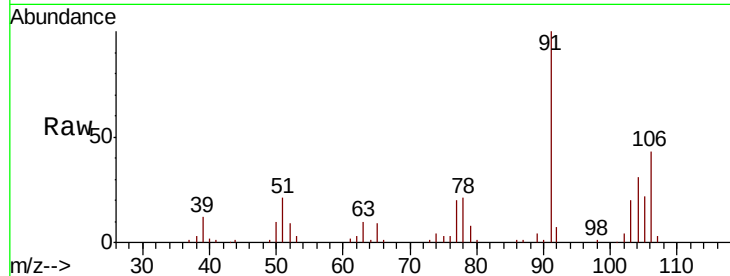
#69
o-Xylene
Concen: 15.388 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion:106 Resp: 27790
Ion Ratio Lower Upper
106 100
91 229.2 111.7 334.9

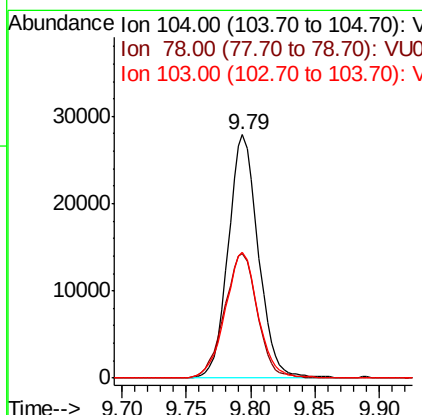
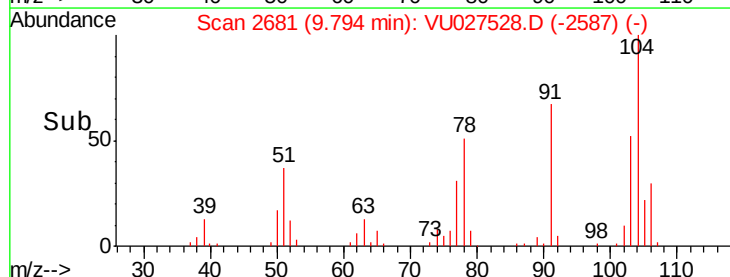
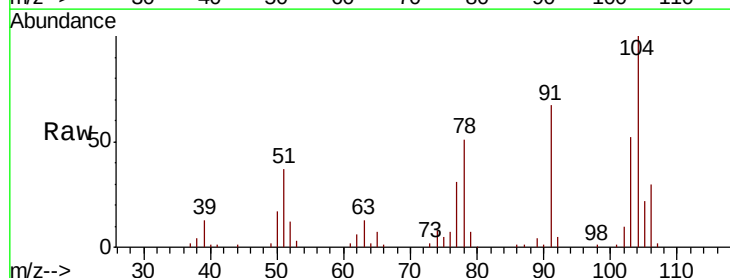
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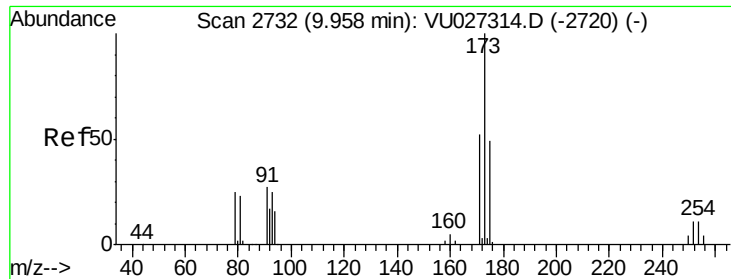
MMDadoda
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#70
Styrene
Concen: 15.101 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion:104 Resp: 45298
Ion Ratio Lower Upper
104 100
78 55.7 42.9 64.3
103 56.0 43.9 65.9





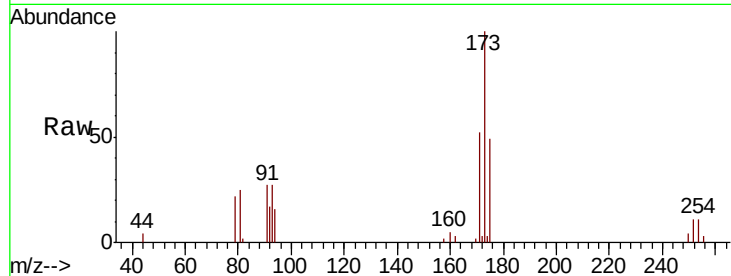
#71
Bromoform
Concen: 15.879 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	73.0
254	0.0	0.0	0.0

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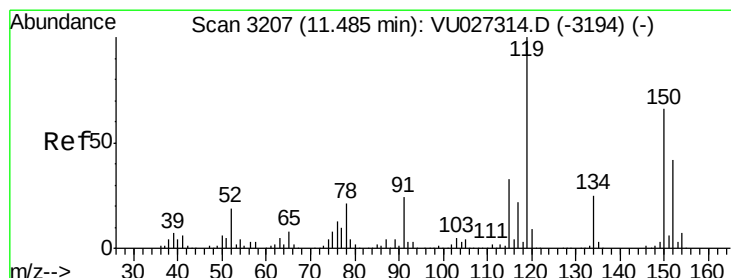
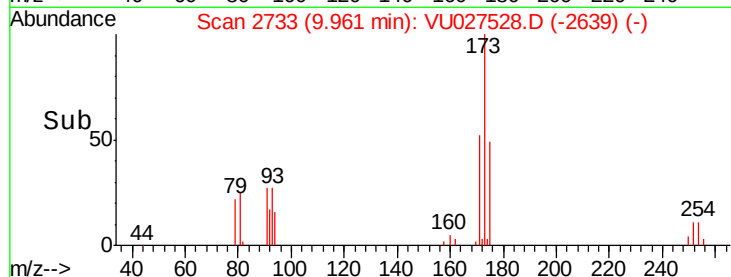
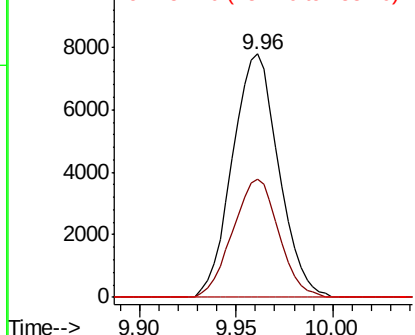


Abundance

Ion 172.70 (172.40 to 173.40): V

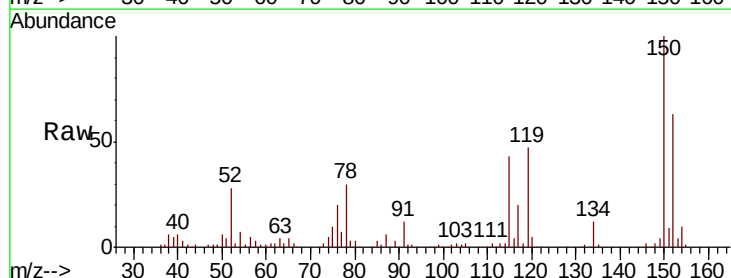
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
152	100		
115	69.3	43.4	130.2
150	163.3	0.0	349.2

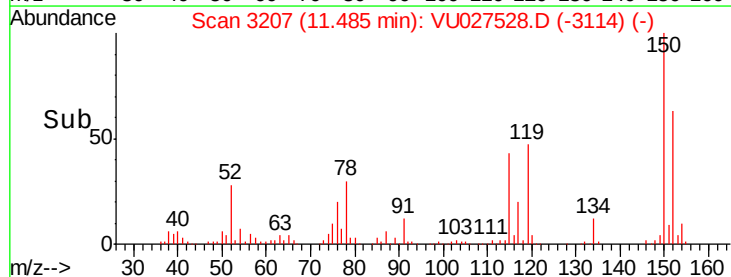
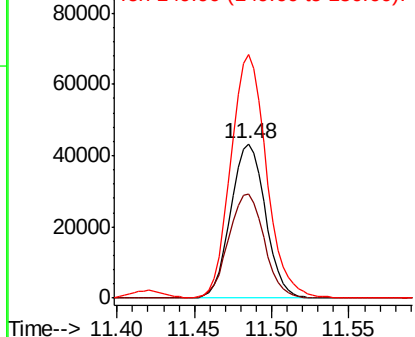


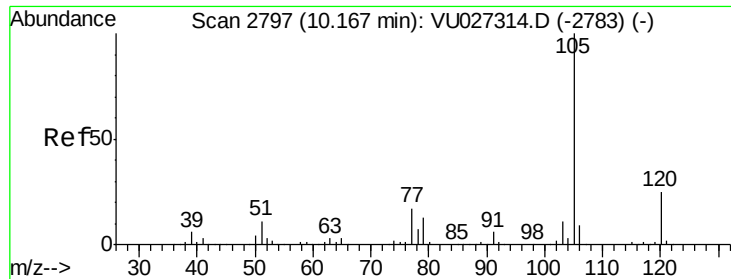
Abundance

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





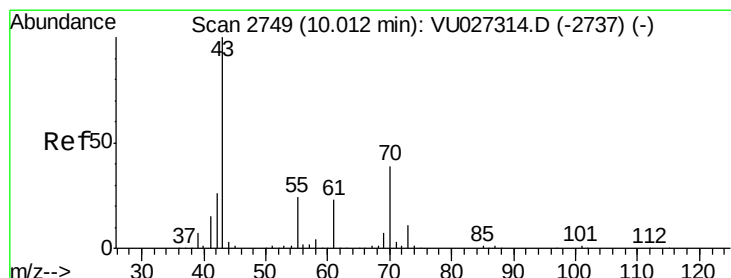
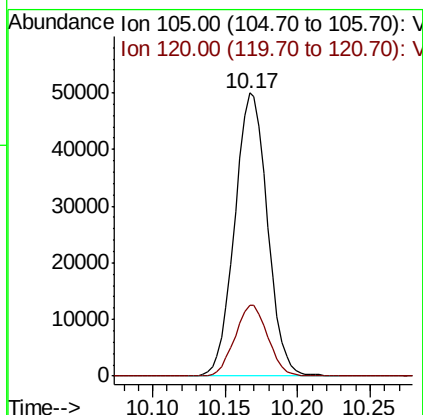
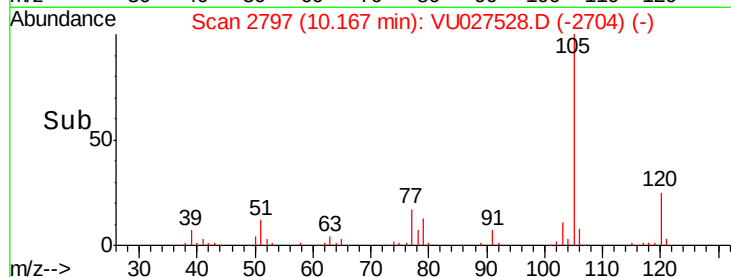
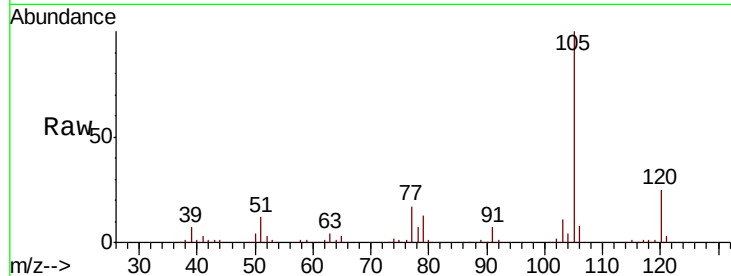
#73
Isopropylbenzene
Concen: 16.080 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion: 105 Resp: 78456
Ion Ratio Lower Upper
105 100
120 25.2 12.6 37.8

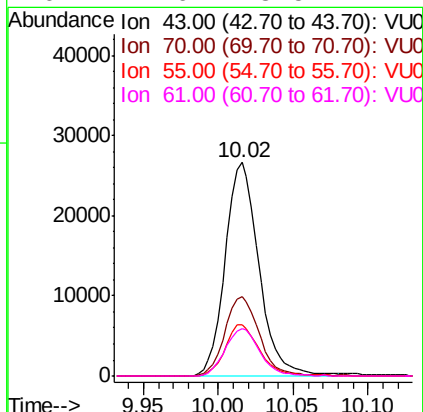
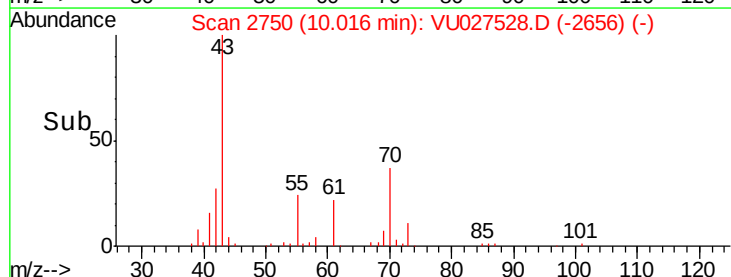
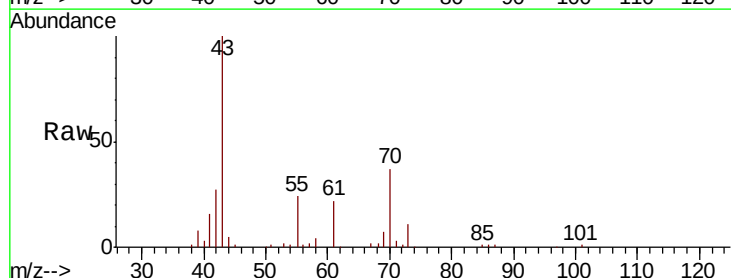
Manual Integrations
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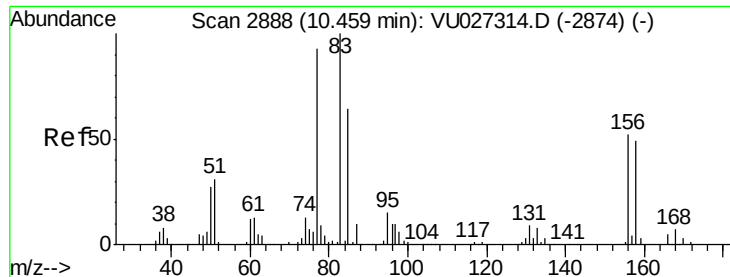
MMDadoda
10/11/2018 9:01:23 AM



#74
N-ethyl acetate
Concen: 15.066 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion: 43 Resp: 42083
Ion Ratio Lower Upper
43 100
70 37.6 31.3 46.9
55 24.1 19.0 28.6
61 22.6 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 17.091 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 83 Resp: 32743

Ion Ratio Lower Upper

83 100

131 8.2 4.4 13.2

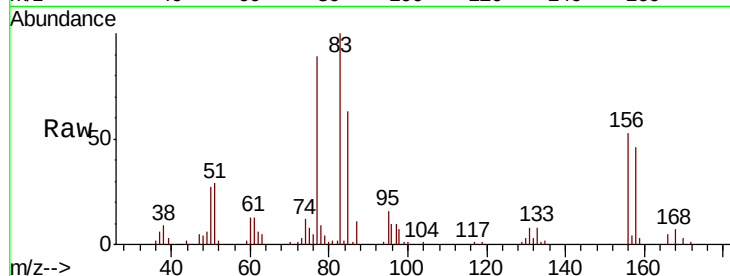
85 63.1 32.0 96.0

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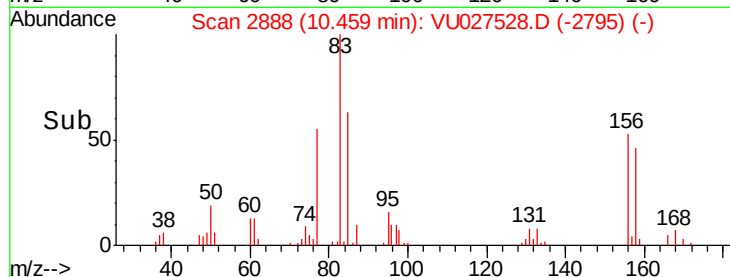


Abundance Ion 82.90 (82.60 to 83.60): VU027314.D (-2874) (-)

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

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

Time-->



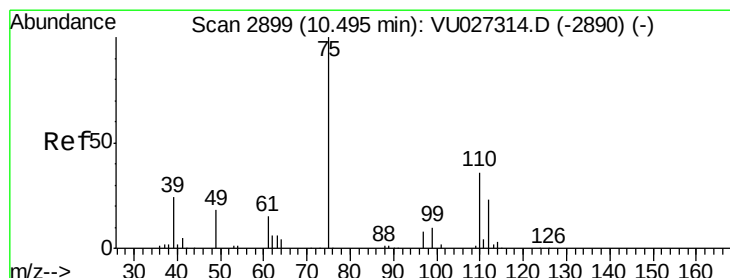
Abundance

Ion 82.90 (82.60 to 83.60): VU027528.D (-2795) (-)

Ion 130.80 (130.50 to 131.50): VU027528.D (-2795) (-)

Ion 84.90 (84.60 to 85.60): VU027528.D (-2795) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 16.624 ug/l m

RT: 10.49 min Scan# 2899

Delta R.T. 0.00 min

Lab File: VU027528.D

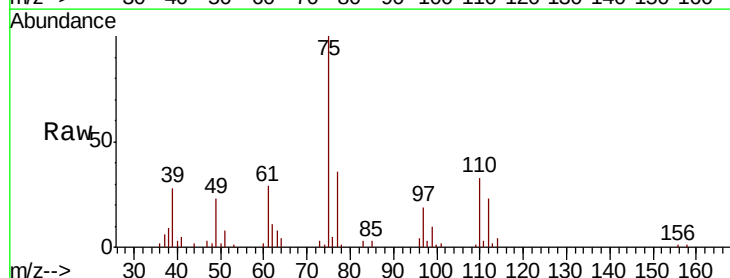
Acq: 09 Oct 2018 18:01

Tgt Ion: 75 Resp: 28949

Ion Ratio Lower Upper

75 100

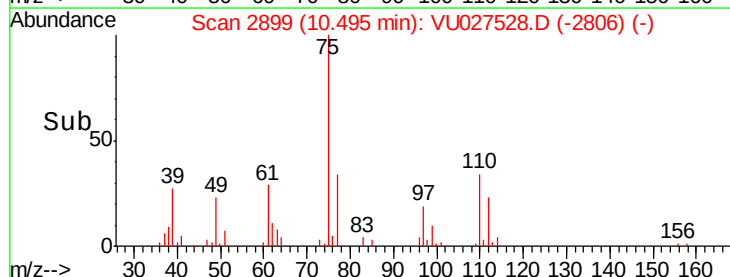
77 42.1 20.3 60.9



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

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

Time-->

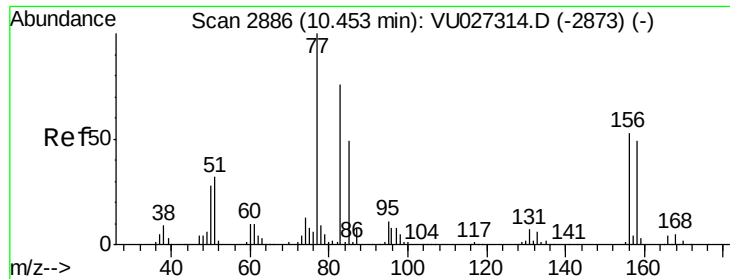


Abundance

Ion 74.90 (74.60 to 75.60): VU027528.D (-2806) (-)

Ion 77.00 (76.70 to 77.70): VU027528.D (-2806) (-)

Time-->



#77

Bromobenzene

Concen: 16.569 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

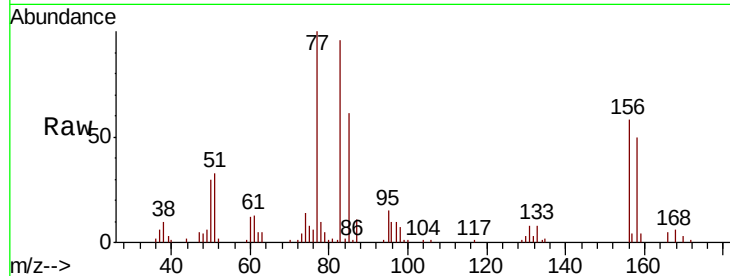
ClientSampleId :

VU1010WBS01

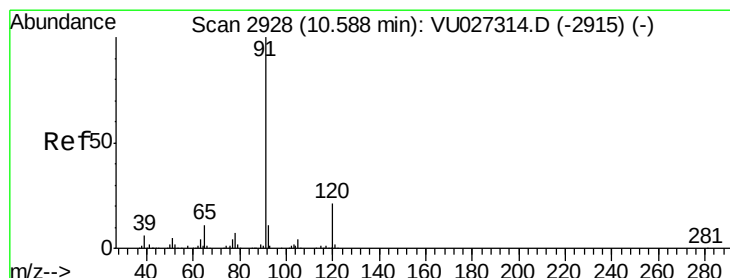
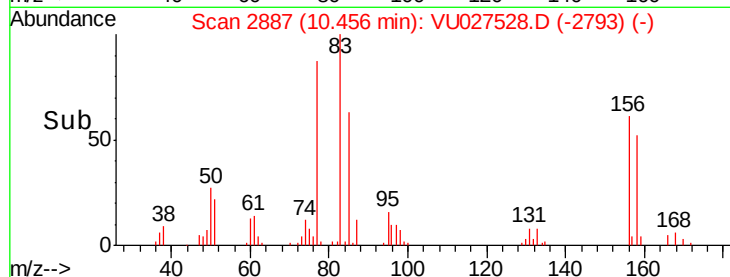
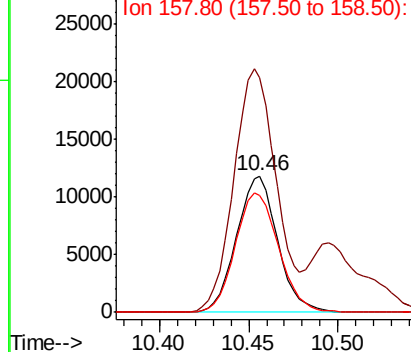
Tgt Ion:	156	Resp:	18788
Ion Ratio	Lower	Upper	
156	100		
77	185.3	94.8	284.4
158	92.9	47.4	142.3

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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: 15.491 ug/l

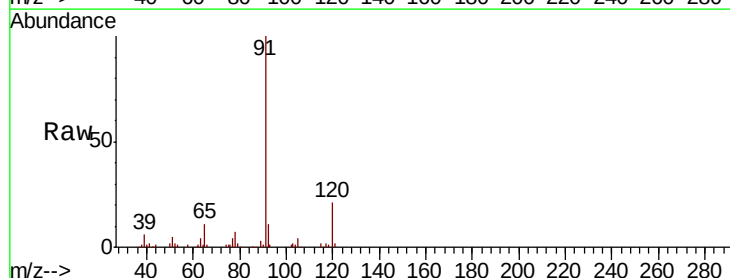
RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

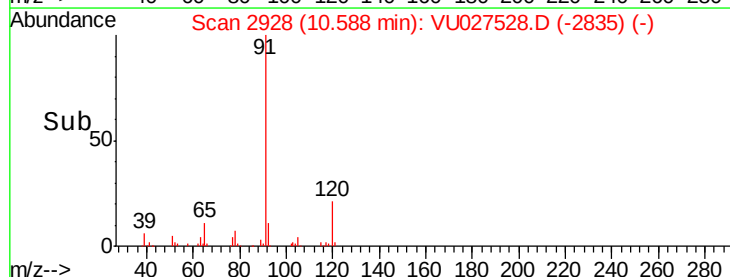
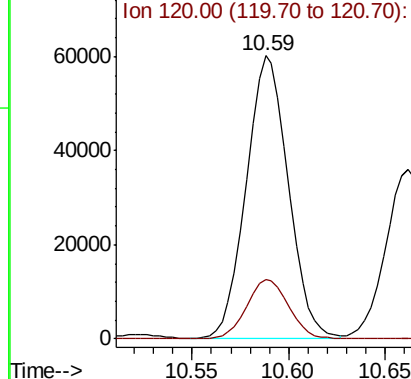
Lab File: VU027528.D

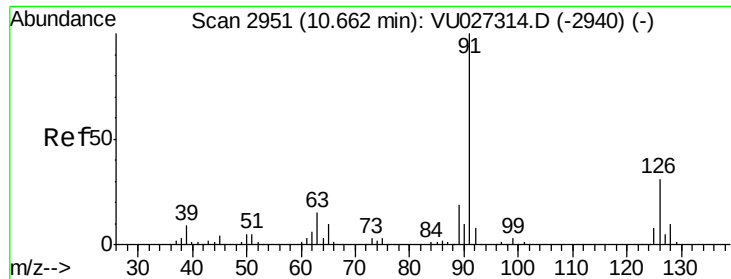
Acq: 09 Oct 2018 18:01

Tgt Ion:	91	Resp:	90821
Ion Ratio	Lower	Upper	
91	100		
120	21.0	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: 16.195 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Instrument :

MSVOA_U

ClientSampleId :

VU1010WBS01

Tgt Ion: 91 Resp: 57330

Ion Ratio Lower Upper

91 100

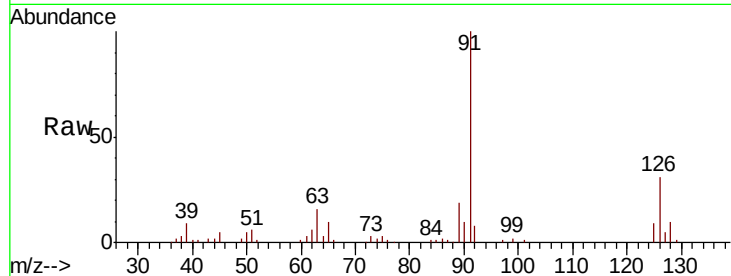
126 30.3 15.7 47.1

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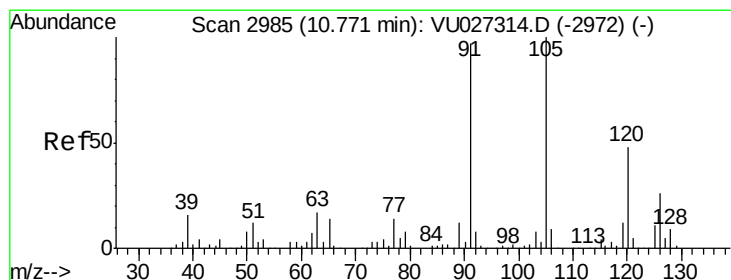
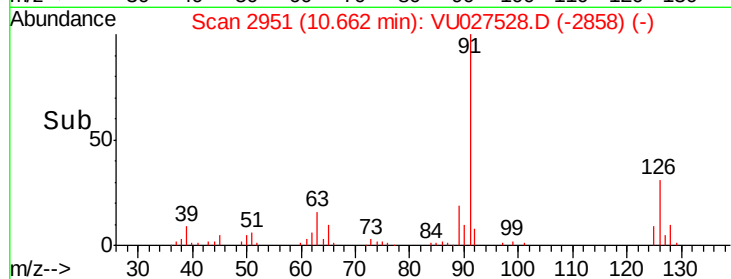
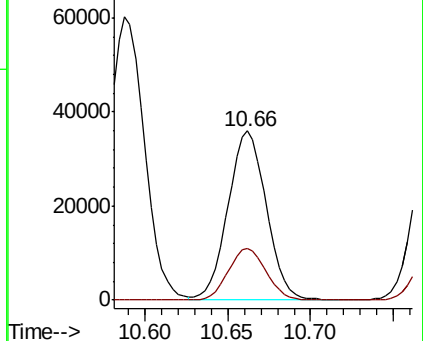
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Abundance Ion 91.00 (90.70 to 91.70): VU027314.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027314.D (-2940) (-)



#80

1,3,5-Trimethylbenzene

Concen: 16.035 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027528.D

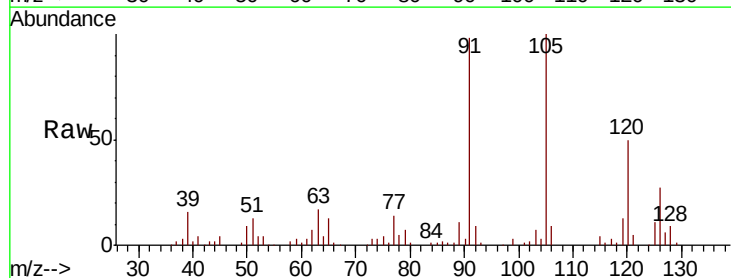
Acq: 09 Oct 2018 18:01

Tgt Ion: 105 Resp: 63695

Ion Ratio Lower Upper

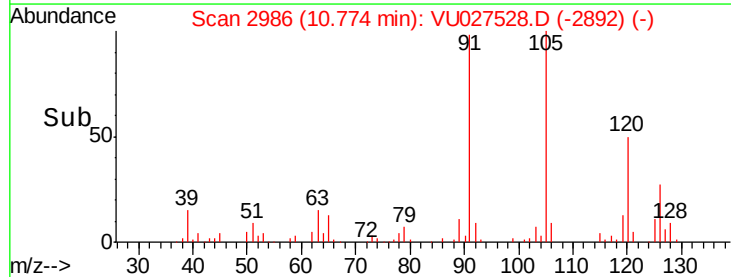
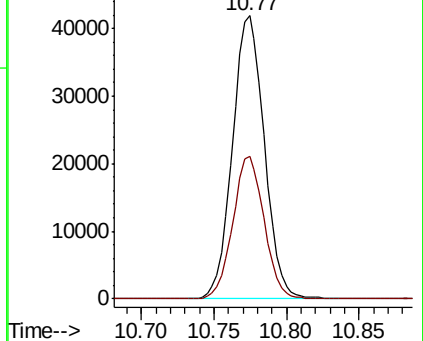
105 100

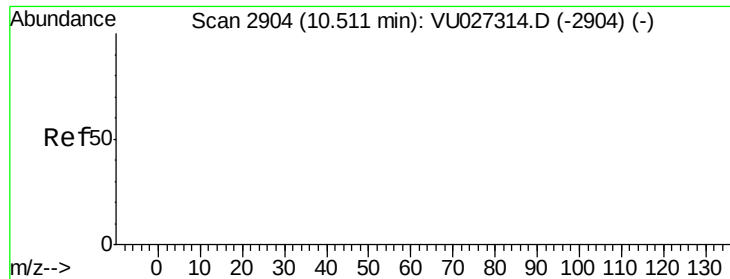
120 49.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027314.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027314.D (-2972) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 12.616 ug/l m

RT: 10.51 min Scan# 2905

Delta R.T. 0.00 min

Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

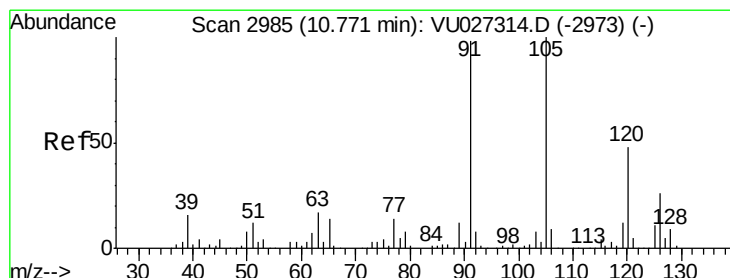
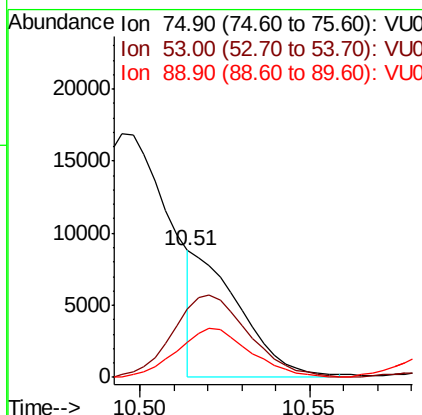
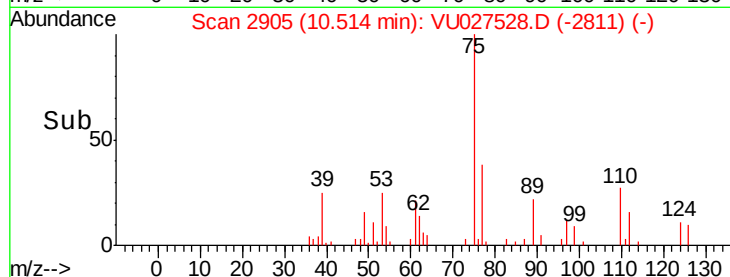
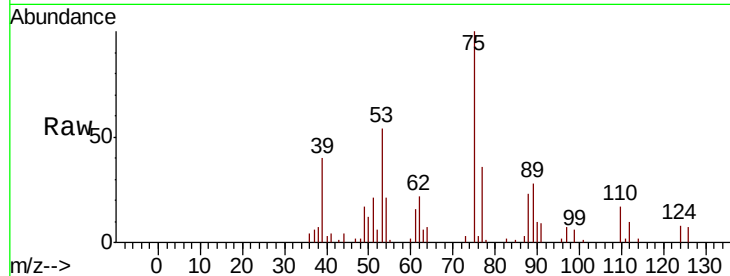
Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion: 75 Resp: 8395

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: 15.664 ug/l

RT: 10.77 min Scan# 2986

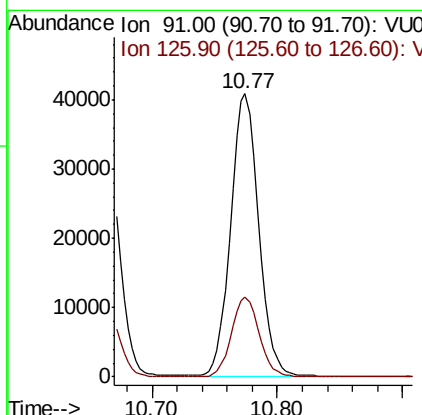
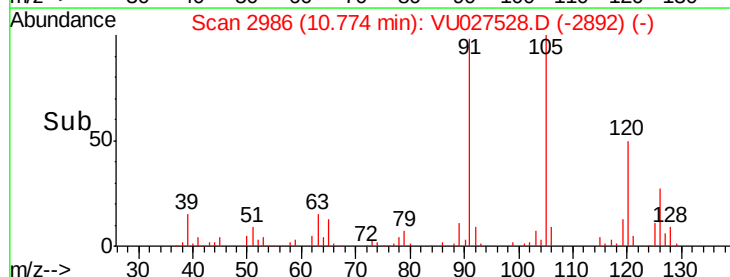
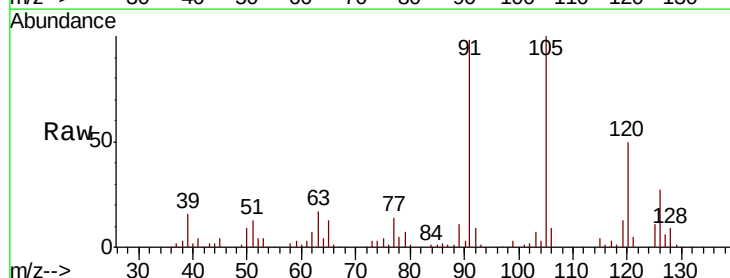
Delta R.T. 0.00 min

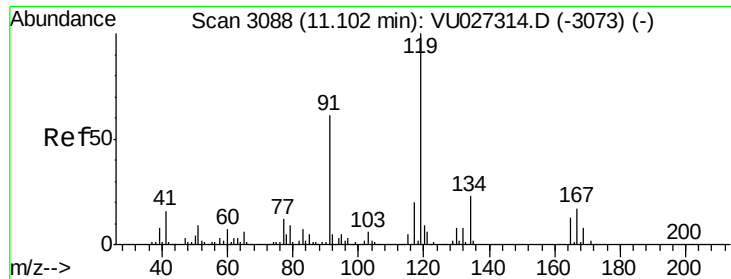
Lab File: VU027528.D

Acq: 09 Oct 2018 18:01

Tgt Ion: 91 Resp: 62923

Ion	Ratio	Lower	Upper
91	100		
126	28.2	13.6	40.8





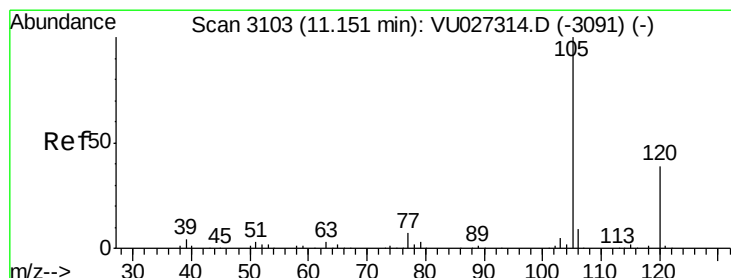
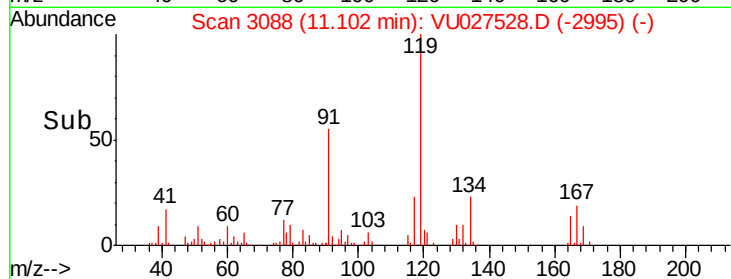
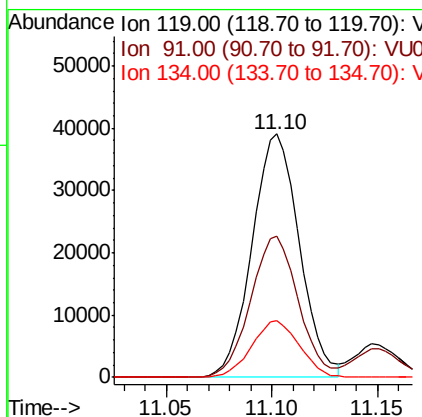
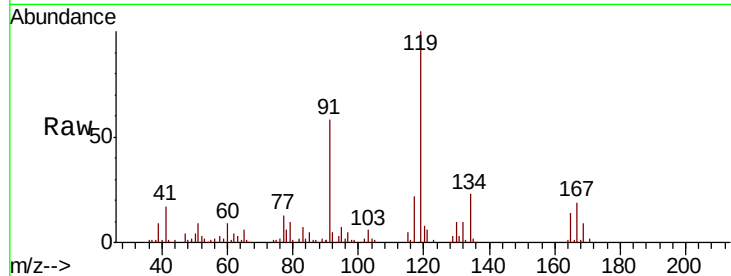
#83
 tert-Butylbenzene
 Concen: 15.904 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	61076		
91	58.6	30.3	91.0	
134	23.6	11.5	34.4	

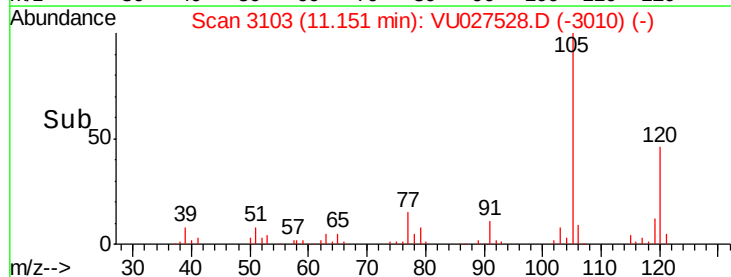
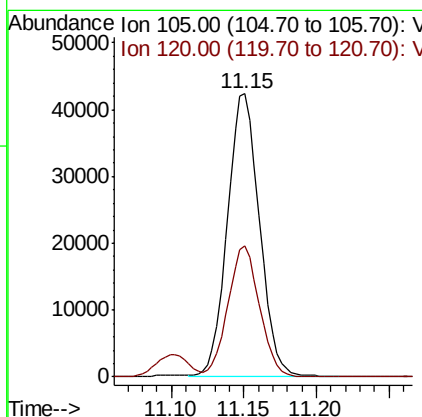
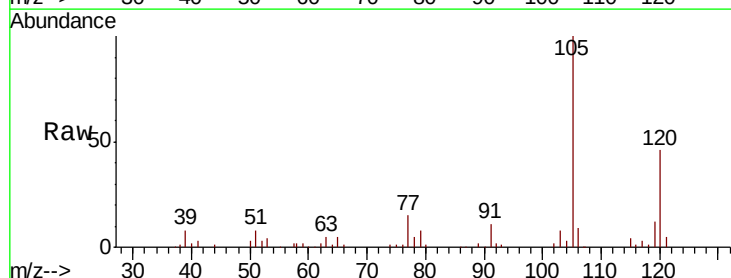
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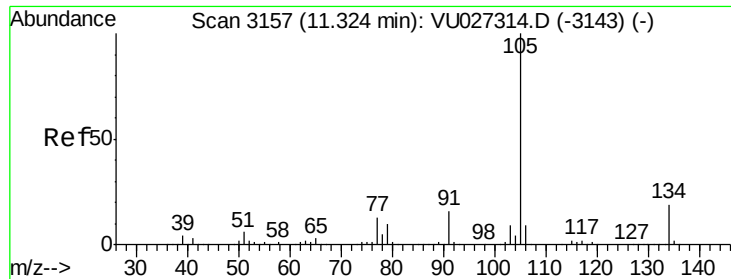
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#84
 1,2,4-Trimethylbenzene
 Concen: 16.020 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	65005		
120	45.5	22.1	66.5	





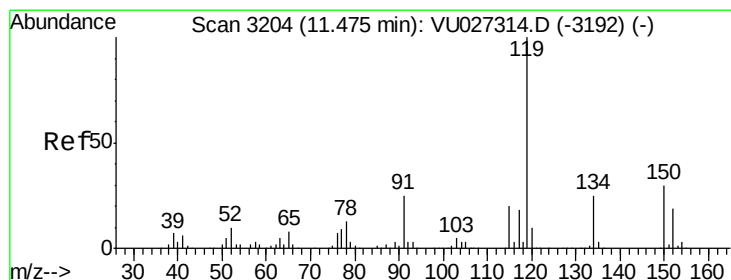
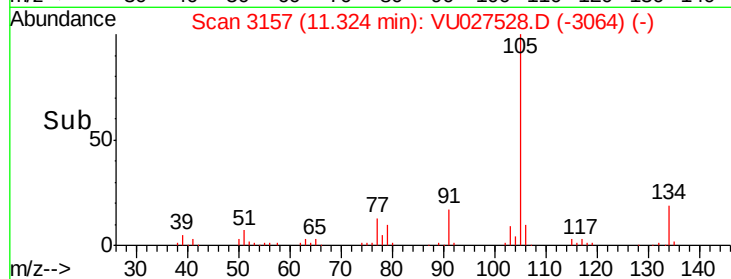
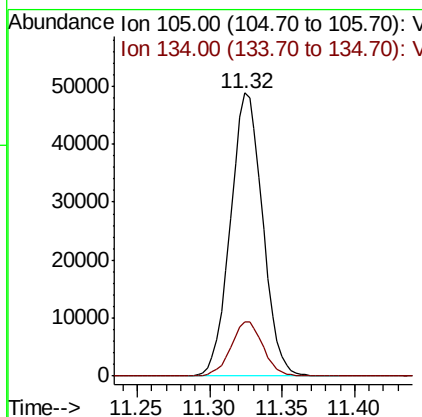
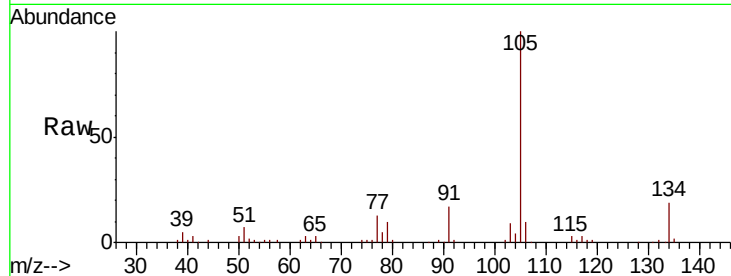
#85
 sec-Butylbenzene
 Concen: 15.517 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.0	9.6	28.6

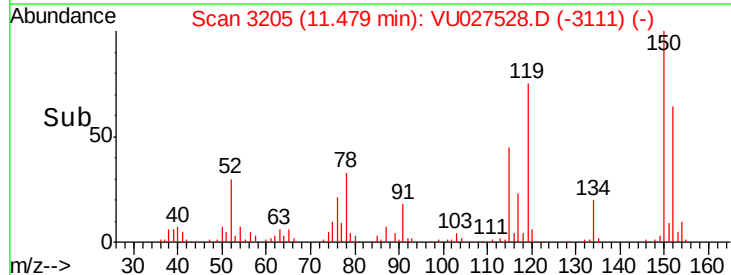
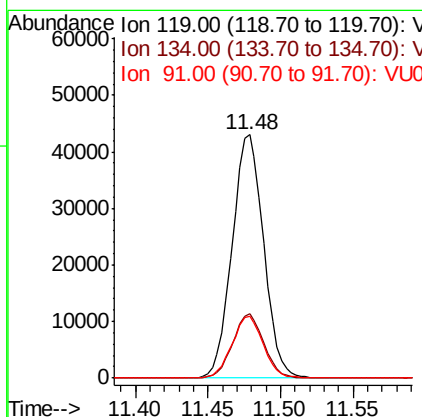
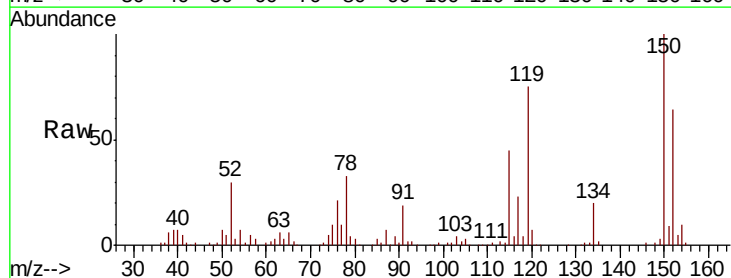
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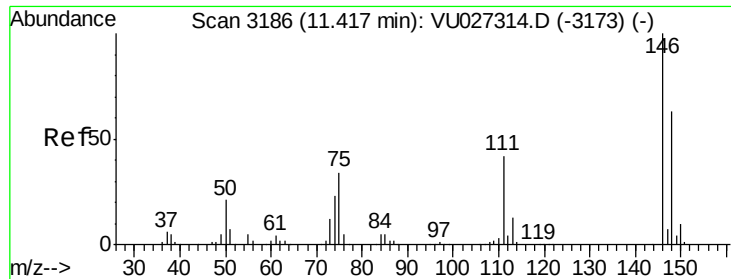
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#86
 p-Isopropyltoluene
 Concen: 15.638 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.7	38.1
91	25.1	12.2	36.4





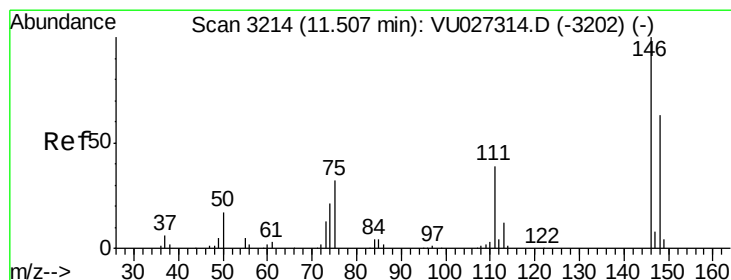
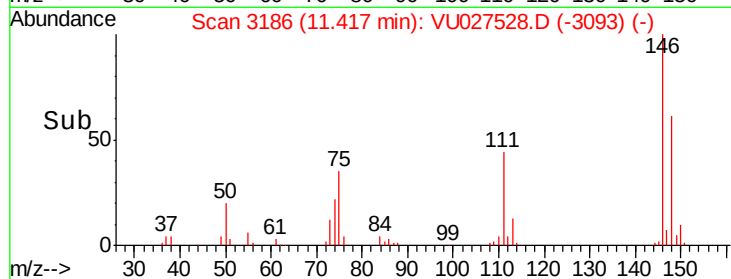
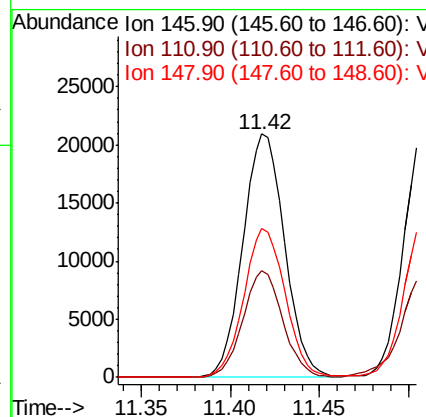
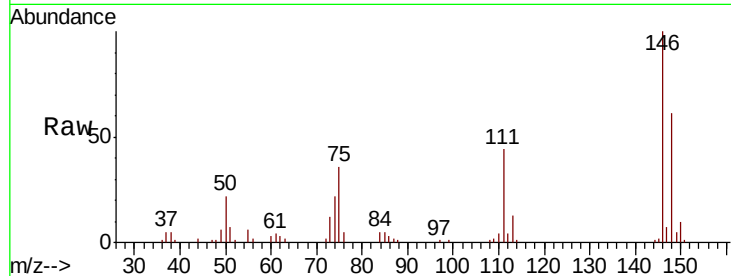
#87
 1,3-Dichlorobenzene
 Concen: 15.896 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.8	62.5
148	60.8	31.6	94.8

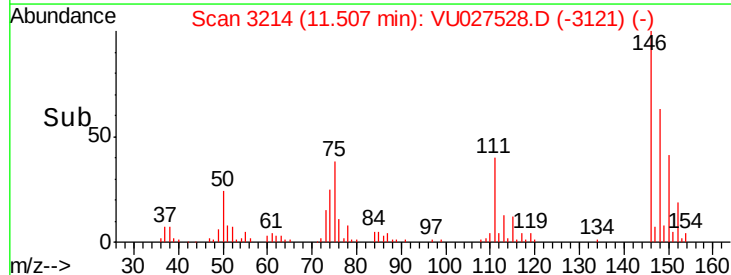
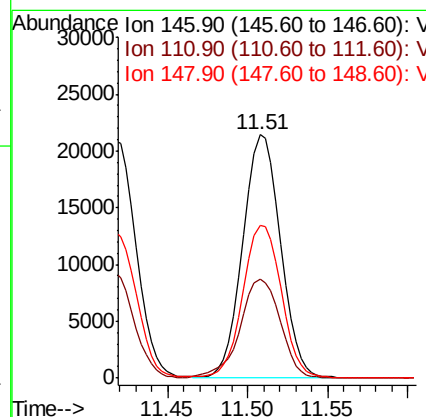
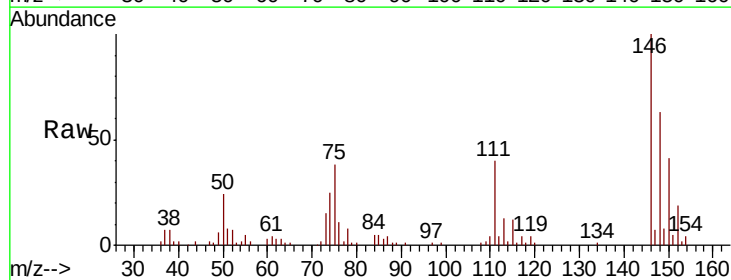
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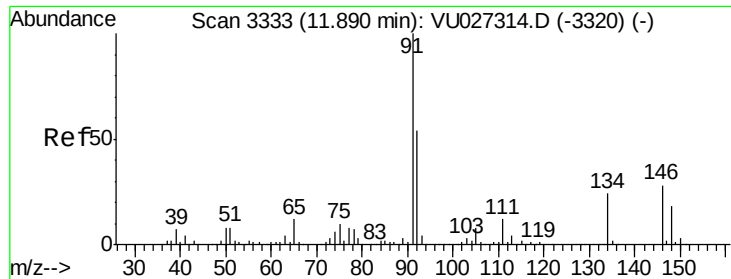
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#88
 1,4-Dichlorobenzene
 Concen: 15.732 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.4	61.2
148	64.2	31.9	95.5





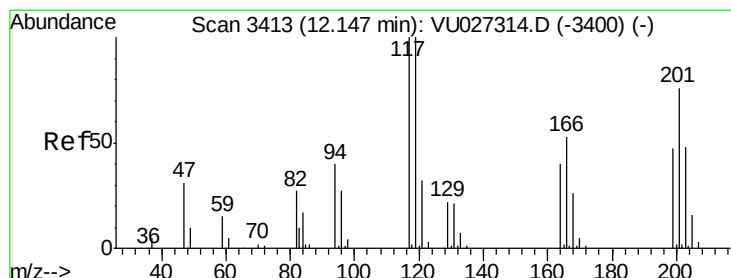
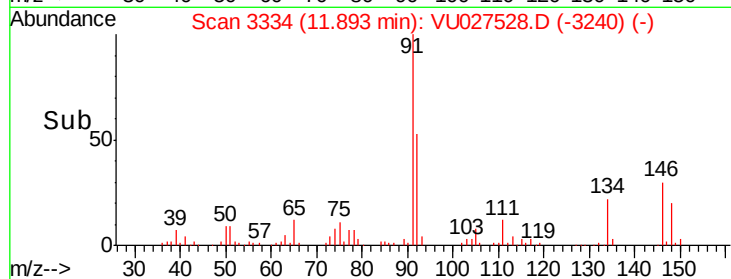
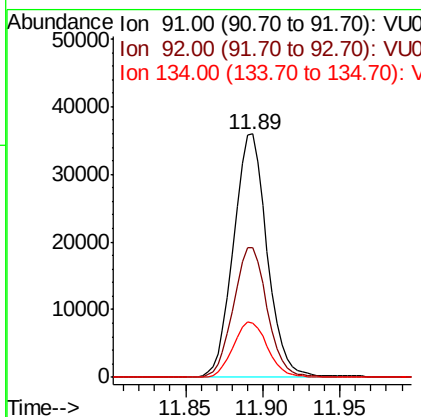
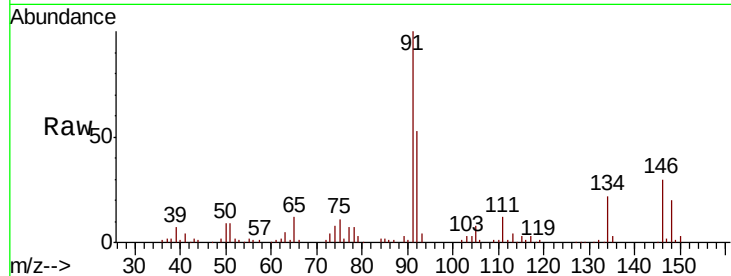
#89
n-Butylbenzene
Concen: 13.817 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	81.0
134	23.0	11.7	35.1

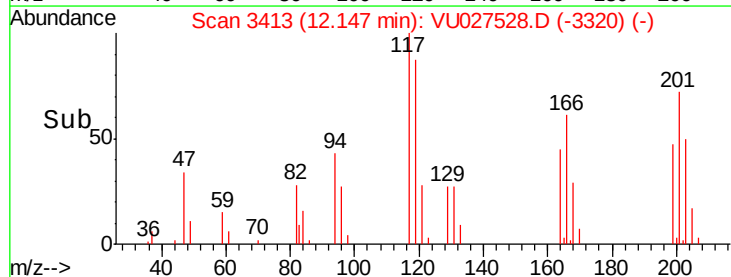
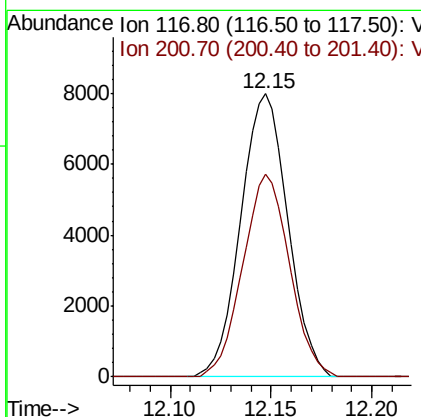
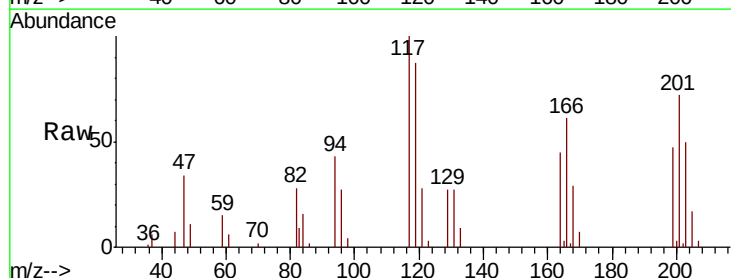
Manual Integrations
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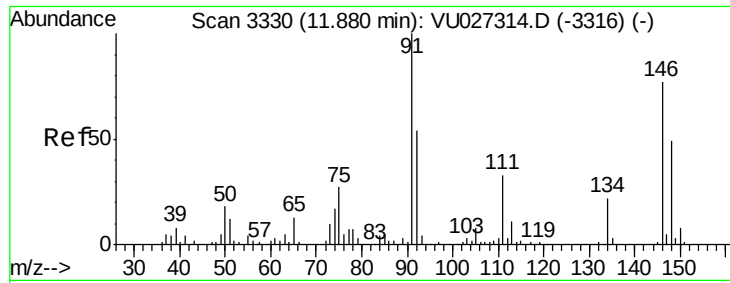
MMDadoda
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#90
Hexachloroethane
Concen: 16.710 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	37.9	113.6





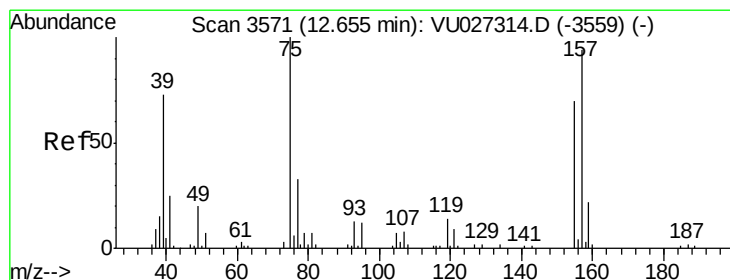
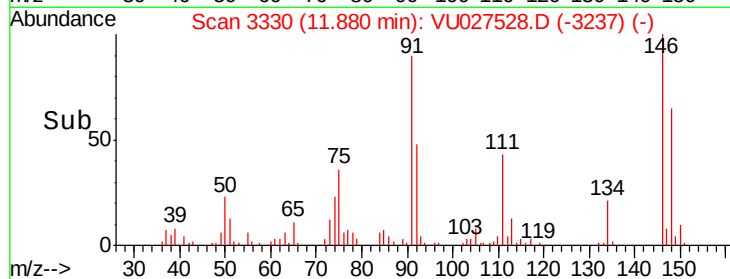
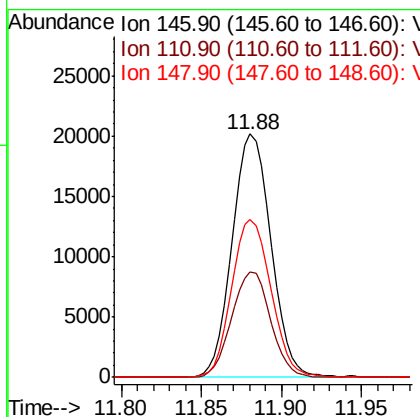
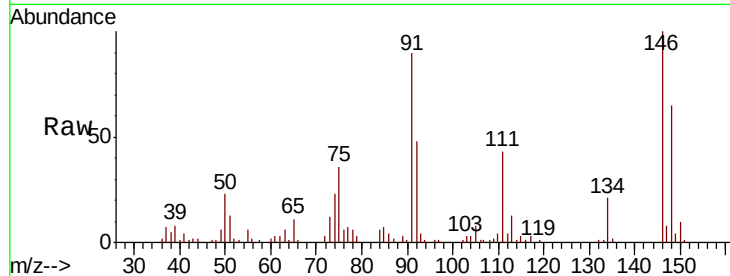
#91
 1,2-Dichlorobenzene
 Concen: 15.952 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.4
148	65.6	31.9	95.5

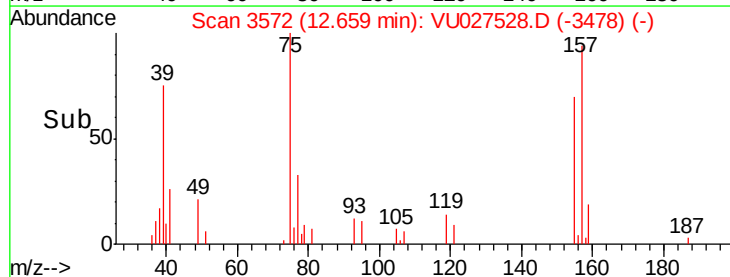
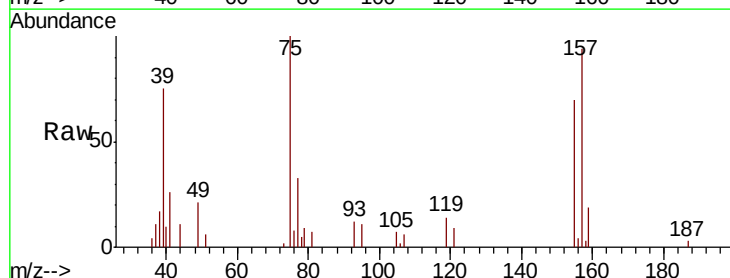
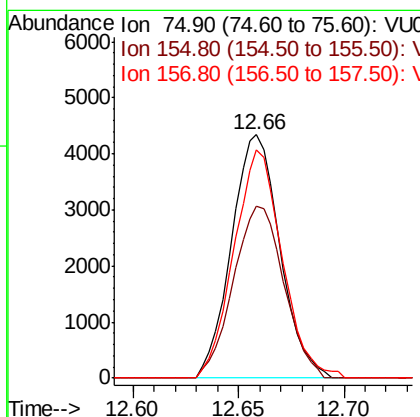
Manual Integrations
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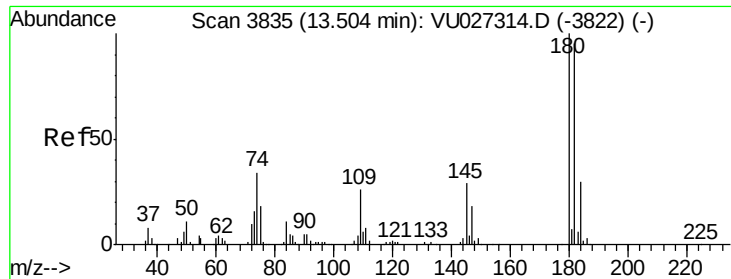
MMDadoda
 10/11/2018 9:01:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.263 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	35.9	107.8
157	93.5	46.9	140.6





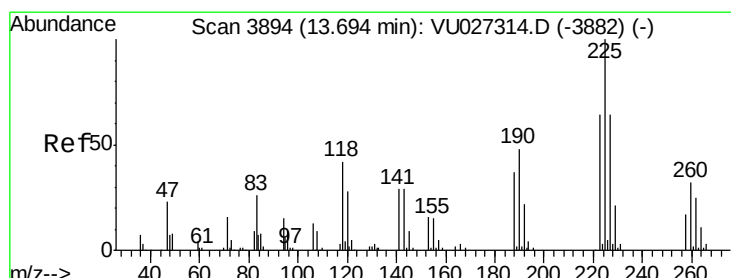
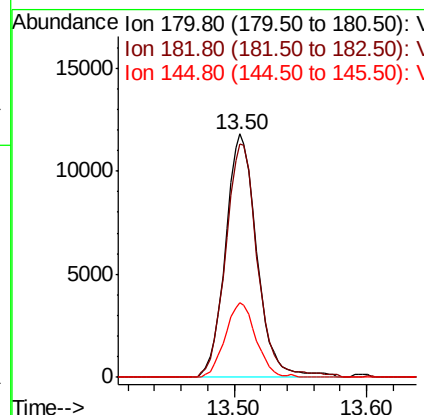
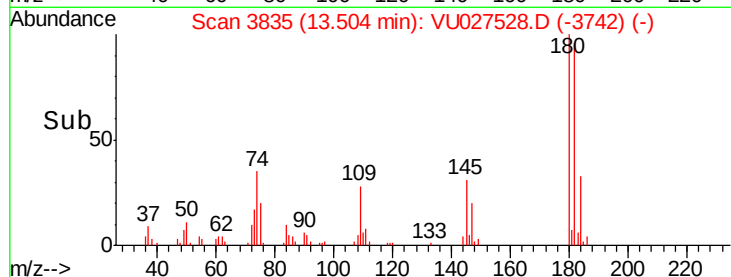
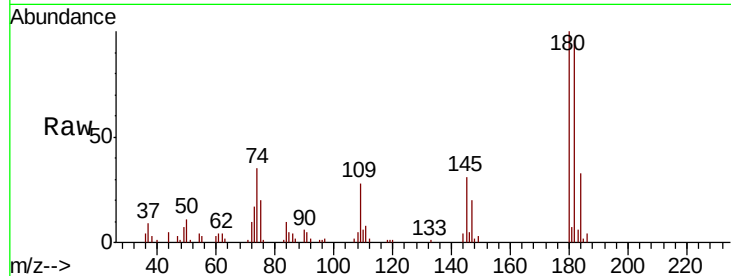
#93
 1,2,4-Trichlorobenzene
 Concen: 14.311 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1010WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.4	142.3
145	30.0	14.6	44.0

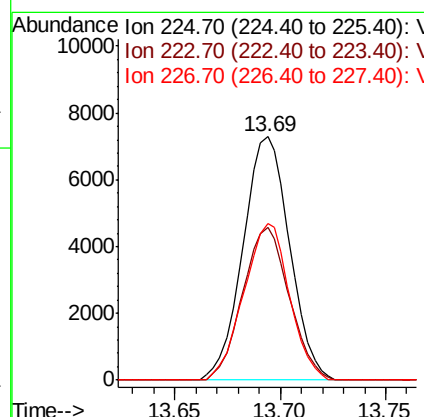
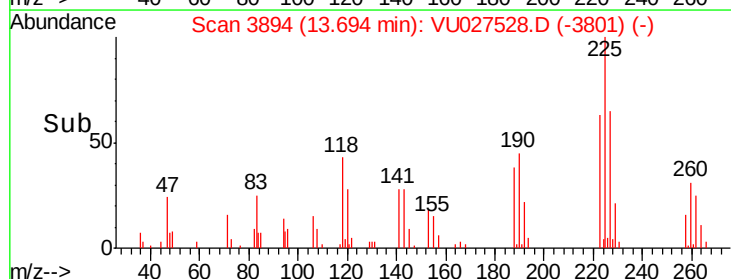
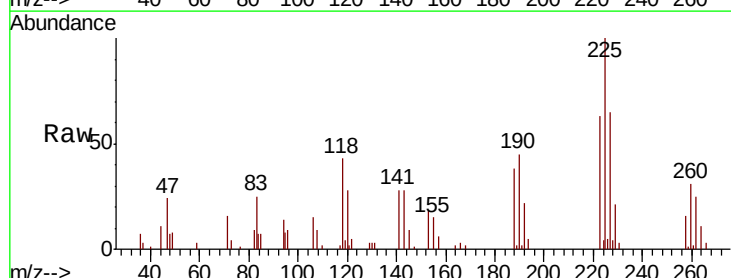
Manual Integrations
 APPROVED

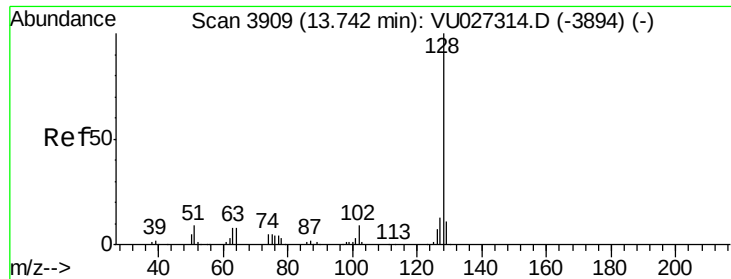
MMDadoda
 10/11/2018 9:01:23 AM



#94
 Hexachlorobutadiene
 Concen: 16.385 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. 0.00 min
 Lab File: VU027528.D
 Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	62.8	31.9	95.7





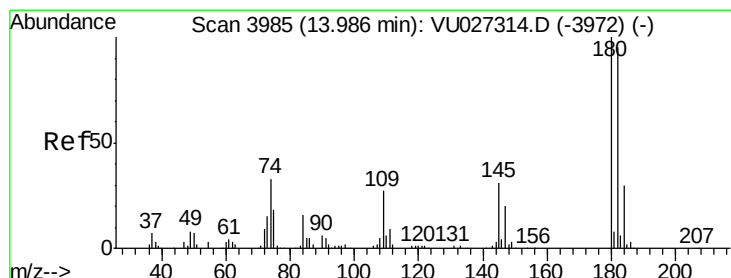
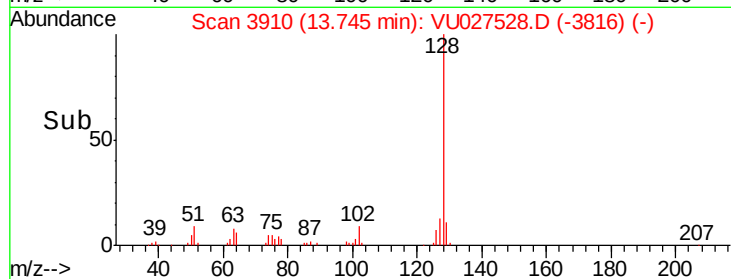
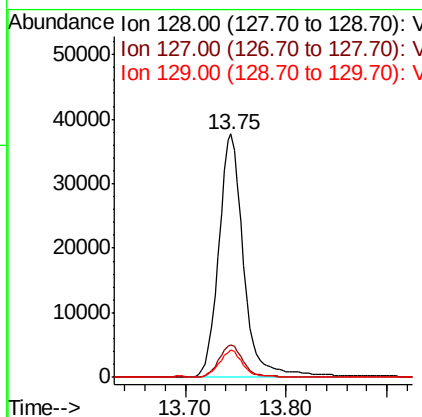
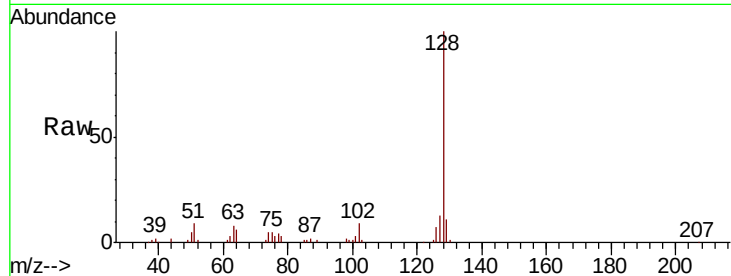
#95
Naphthalene
Concen: 14.034 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Instrument :
MSVOA_U
ClientSampleId :
VU1010WBS01

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

Manual Integrations
APPROVED

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10/11/2018 9:01:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 15.097 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027528.D
Acq: 09 Oct 2018 18:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.2
145	31.4	15.9	47.7

