

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092418\
 Data File : VU027119.D
 Acq On : 24 Sep 2018 19:14
 Operator : MD/SY
 Sample : J4968-07MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:14 AM

Quant Time: Sep 25 02:58:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	74892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	132522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	128681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	72024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	80977	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
35) Dibromofluoromethane	4.88	113	55614	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	7.57	98	213030	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	10.31	95	76047	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	45716	46.753	ug/l	99
3) Chloromethane	1.33	50	77576	46.016	ug/l	99
4) Vinyl Chloride	1.40	62	75514	47.986	ug/l	99
5) Bromomethane	1.62	94	26376	29.433	ug/l	99
6) Chloroethane	1.69	64	50453	50.178	ug/l	98
7) Trichlorofluoromethane	1.88	101	89276	49.950	ug/l	99
8) Diethyl Ether	2.10	74	43690	50.785	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.29	101	52049	47.362	ug/l	98
10) Methyl Iodide	2.41	142	25229	18.510	ug/l	100
11) Tert butyl alcohol	2.83	59	85493	247.454	ug/l	99
12) 1,1-Dichloroethene	2.28	96	51062	49.365	ug/l	97
13) Acrolein	2.20	56	42083	225.959	ug/l	98
14) Allyl chloride	2.59	41	116806	55.676	ug/l	99
15) Acrylonitrile	2.94	53	238147	273.491	ug/l	100
16) Acetone	2.32	43	205732	257.441	ug/l	99
17) Carbon Disulfide	2.48	76	161207	47.841	ug/l	100
18) Methyl Acetate	2.61	43	111242	51.851	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	212231	55.835	ug/l	100
20) Methylene Chloride	2.70	84	67125	49.725	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	56647	51.294	ug/l	98
22) Diisopropyl ether	3.57	45	264713	58.991	ug/l	98
23) Vinyl Acetate	3.53	43	1018785	266.343	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138495	56.038	ug/l	98
25) 2-Butanone	4.26	43	339716	268.182	ug/l	97
26) 2,2-Dichloropropane	4.23	77	92446	47.964	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	65655	52.643	ug/l	96
28) Bromochloromethane	4.55	49	72200	60.603	ug/l	95
29) Tetrahydrofuran	4.64	42	219170	286.014	ug/l	97
30) Chloroform	4.67	83	119991	52.304	ug/l	99
31) Cyclohexane	5.00	56	118231	52.658	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	98832	53.958	ug/l	99
36) 1,1-Dichloropropene	5.14	75	87899	49.698	ug/l	98
37) Ethyl Acetate	4.38	43	114216	47.703	ug/l	98
38) Carbon Tetrachloride	5.14	117	82302	48.899	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	98207	51.095	ug/l	97
40) Benzene	5.39	78	266321	49.533	ug/l	99
41) Methacrylonitrile	4.54	41	72581	58.370	ug/l	96
42) 1,2-Dichloroethane	5.40	62	104865	51.622	ug/l	99
43) Isopropyl Acetate	5.55	43	181828	52.073	ug/l	99
44) Trichloroethene	6.19	130	56330	49.212	ug/l	99
45) 1,2-Dichloropropane	6.43	63	80279	52.401	ug/l	96
46) Dibromomethane	6.56	93	47247	51.064	ug/l	97
47) Bromodichloromethane	6.76	83	94893	50.720	ug/l	100
48) Methyl methacrylate	6.62	41	97649	51.353	ug/l	99
49) 1,4-Dioxane	6.61	88	31741	840.694	ug/l	93
51) 4-Methyl-2-Pentanone	7.46	43	657559	279.999	ug/l	99
52) Toluene	7.64	92	161378	52.363	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	107327	53.393	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	112098	50.719	ug/l	100
55) 1,1,2-Trichloroethane	8.07	97	65884	50.452	ug/l	99
56) Ethyl methacrylate	8.02	69	112621	49.717	ug/l	98
57) 1,3-Dichloropropane	8.24	76	127197	52.370	ug/l	100
59) 2-Hexanone	8.36	43	500477	272.249	ug/l	99
60) Dibromochloromethane	8.48	129	66196	51.678	ug/l	98
61) 1,2-Dibromoethane	8.59	107	68899	50.708	ug/l	100
64) Tetrachloroethene	8.23	164	44956	45.338	ug/l	97
65) Chlorobenzene	9.12	112	163688	47.974	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	59693	50.793	ug/l	100
67) Ethyl Benzene	9.25	91	298871	53.269	ug/l	99
68) m/p-Xylenes	9.38	106	222941	98.144	ug/l	99
69) o-Xylene	9.78	106	107187	53.919	ug/l	97
70) Styrene	9.79	104	178533	48.168	ug/l	99
71) Bromoform	9.96	173	46947	51.658	ug/l #	98
73) Isopropylbenzene	10.17	105	290062	52.943	ug/l	100
74) N-amyl acetate	10.01	43	159543	50.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	117832	46.777	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	107214m	48.999	ug/l	
77) Bromobenzene	10.45	156	64743	48.357	ug/l	93
78) n-propylbenzene	10.59	91	350172	54.017	ug/l	99
79) 2-Chlorotoluene	10.66	91	210192	51.620	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	244419	54.044	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	28952m	42.344	ug/l	
82) 4-Chlorotoluene	10.77	91	238774	52.296	ug/l	99
83) tert-Butylbenzene	11.10	119	234583	52.464	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	247614	53.799	ug/l	100
85) sec-Butylbenzene	11.32	105	292952	53.673	ug/l	99
86) p-Isopropyltoluene	11.48	119	247967	48.446	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	119886	48.119	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	122156	44.987	ug/l	99
89) n-Butylbenzene	11.89	91	230482	46.595	ug/l	99
90) Hexachloroethane	12.15	117	46797	47.148	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	123408	46.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26409	51.391	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	76242	49.992	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	37593	46.586	ug/l	99
95) Naphthalene	13.74	128	284494	47.788	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	82512	50.451	ug/l	99

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

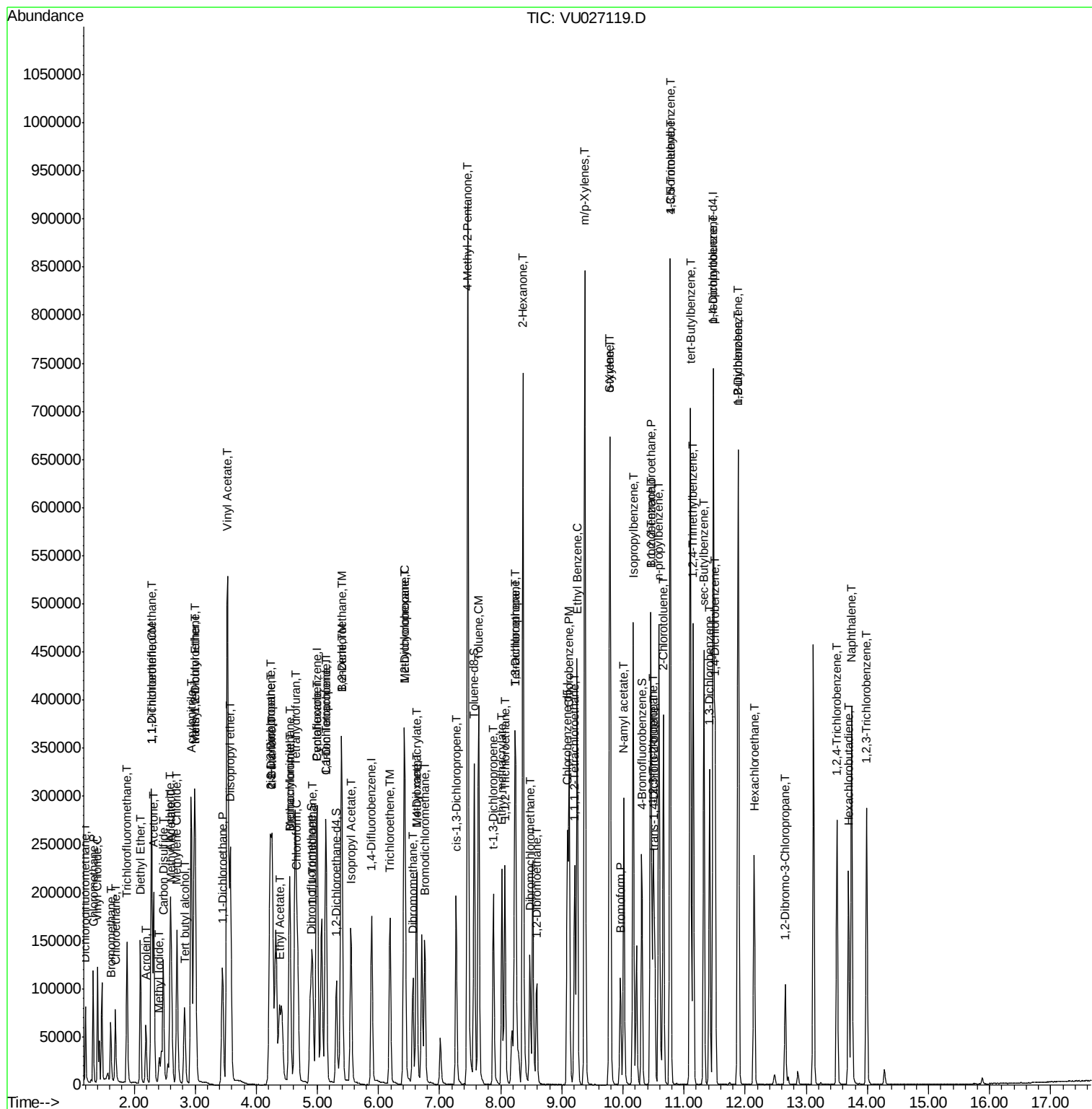
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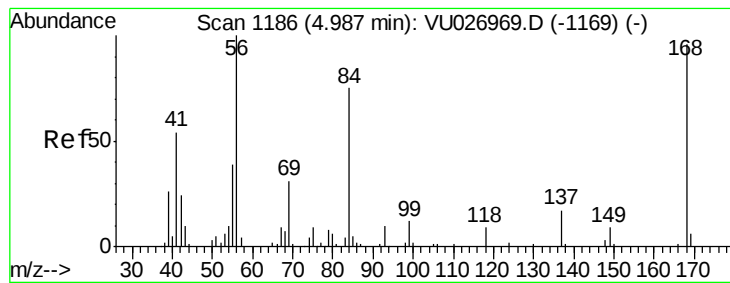
Instrument :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:168 Resp: 74892

Ion Ratio Lower Upper

168 100

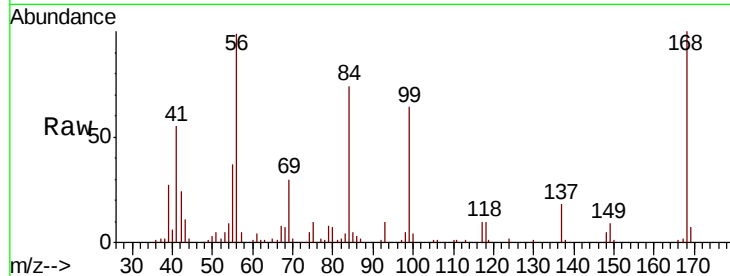
99 62.4 48.1 72.1

Manual Integrations

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9/25/2018 11:34:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.98

30000

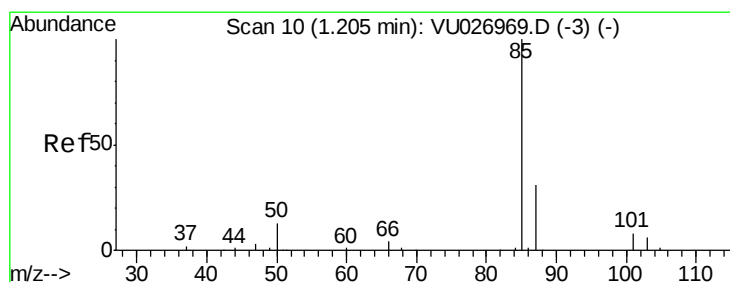
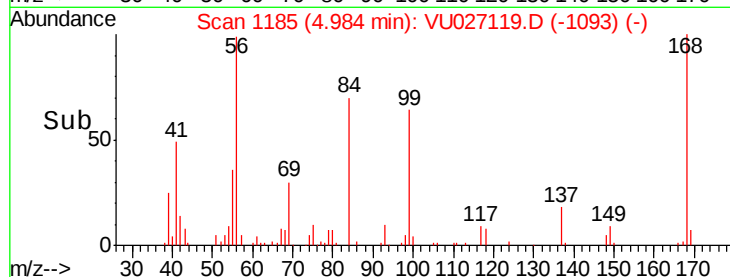
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 46.753 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027119.D

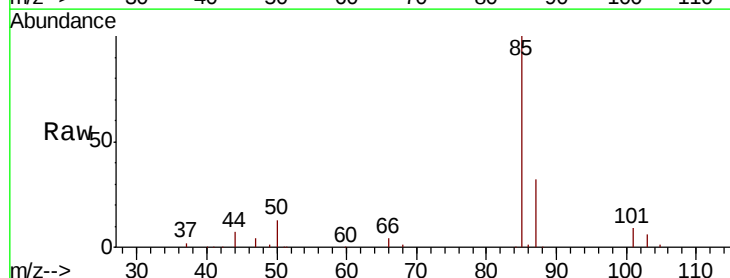
Acq: 24 Sep 2018 19:14

Tgt Ion: 85 Resp: 45716

Ion Ratio Lower Upper

85 100

87 31.9 15.6 46.7



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

50000

40000

30000

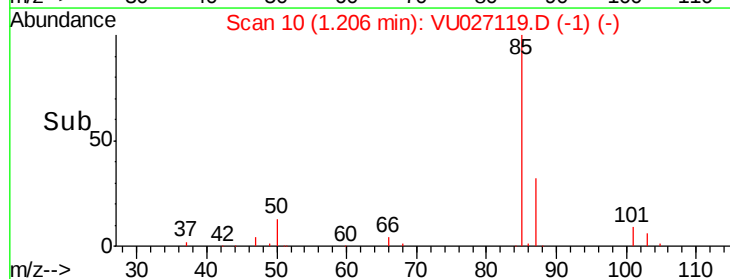
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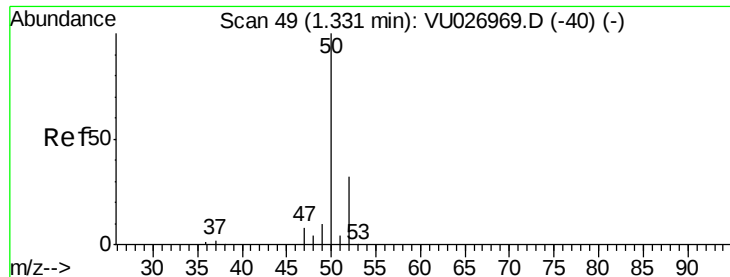
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 46.016 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 50 Resp: 77576

Ion Ratio Lower Upper

50 100

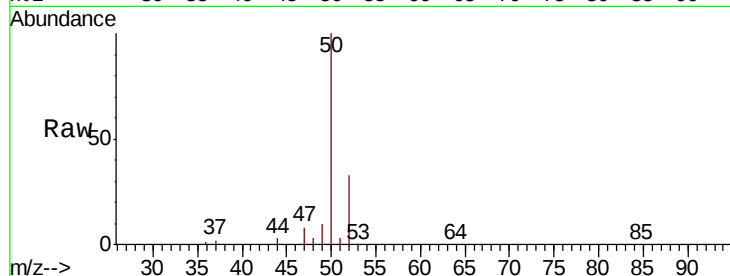
52 32.7 25.9 38.9

Manual Integrations

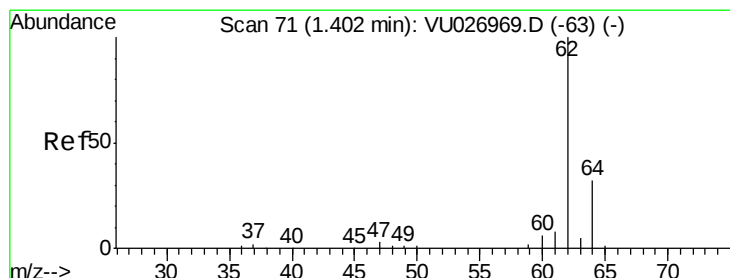
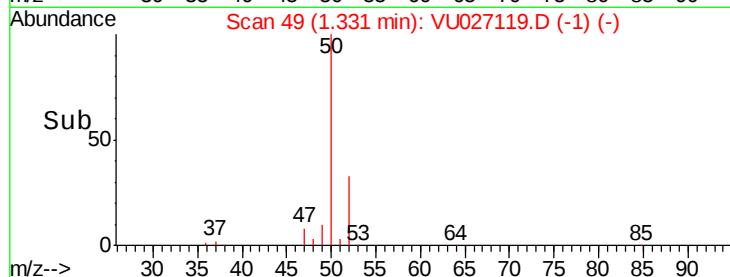
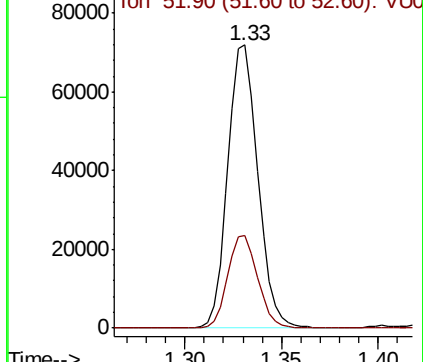
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Abundance Ion 49.90 (49.60 to 50.60): VU027119.D (-1) (-)



#4

Vinyl Chloride

Concen: 47.986 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027119.D

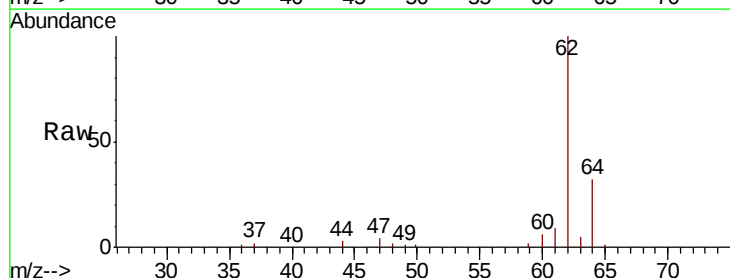
Acq: 24 Sep 2018 19:14

Tgt Ion: 62 Resp: 75514

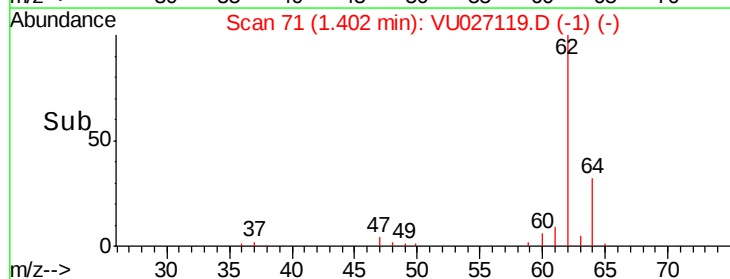
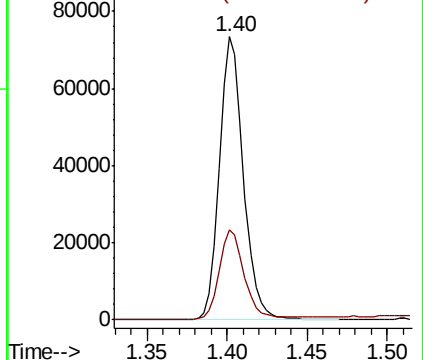
Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VU027119.D (-1) (-)





#5

Bromomethane

Concen: 29.433 ug/l

RT: 1.62 min Scan# 138

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

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Tot Ion: 94 Resp: 26376

Ion Ratio Lower Upper

94 100

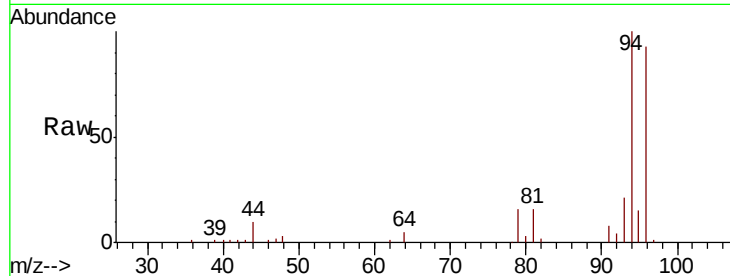
96 92.7 73.2 109.8

Manual Integrations

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9/25/2018 11:34:14 AM



Abundance Ion 93.90 (93.60 to 94.60): VU027119.D (-128) (-)

Ion 95.90 (95.60 to 96.60): VU027119.D (-128) (-)

25000

20000

15000

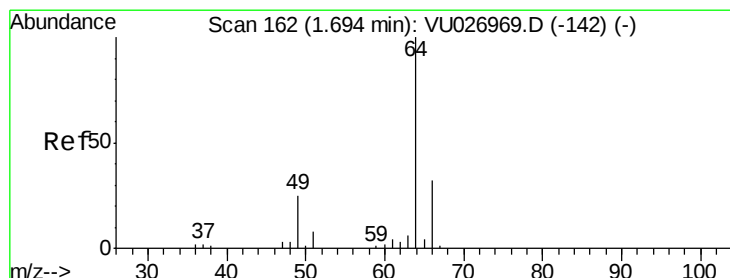
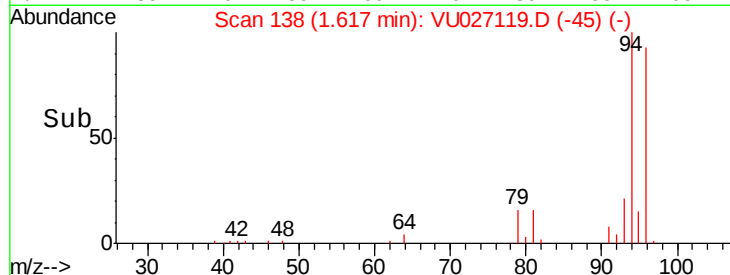
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5000

0

1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 50.178 ug/l

RT: 1.69 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU027119.D

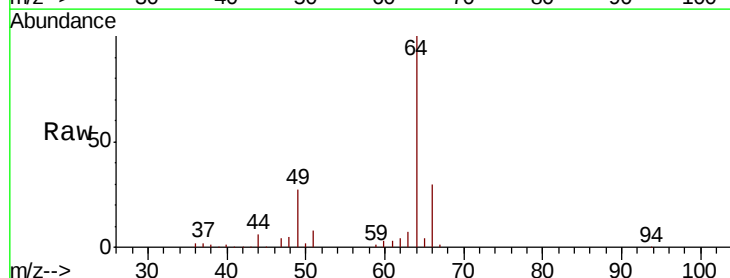
Acq: 24 Sep 2018 19:14

Tgt Ion: 64 Resp: 50453

Ion Ratio Lower Upper

64 100

66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VU027119.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU027119.D (-142) (-)

40000

30000

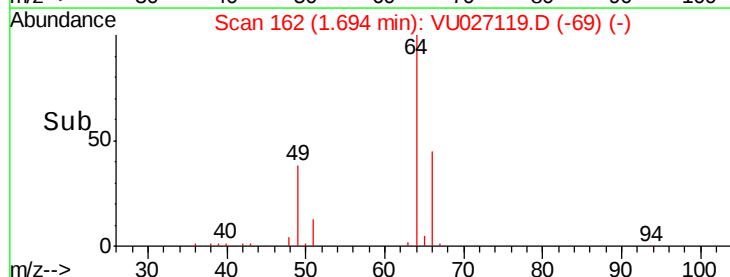
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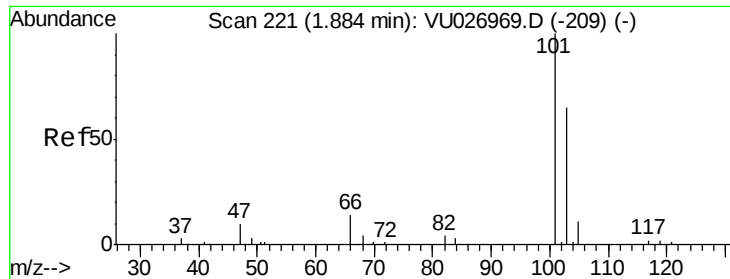
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1.65 1.70 1.75

Time-->





#7

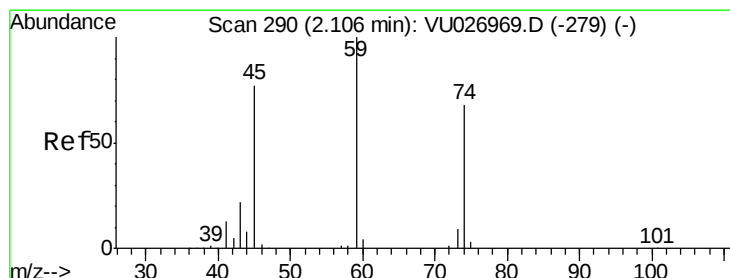
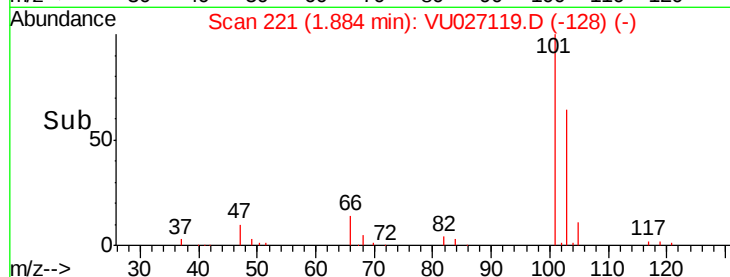
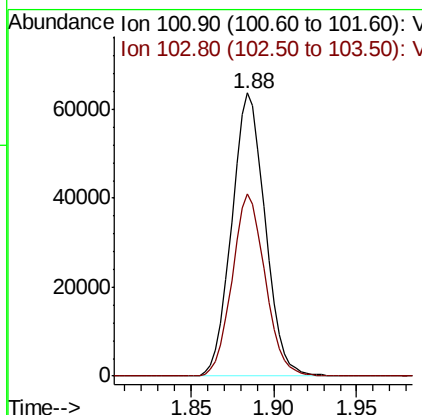
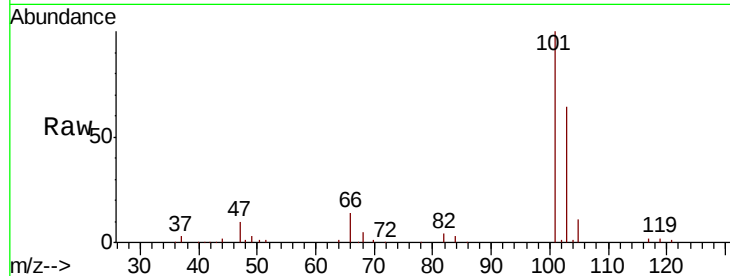
Trichlorofluoromethane
Concen: 49.950 ug/l
RT: 1.88 min Scan# 221
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

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SA-PZ182I-20180916MS

Tot Ion:101 Resp: 89276
Ion Ratio Lower Upper
101 100
103 64.3 52.2 78.2

Manual Integrations
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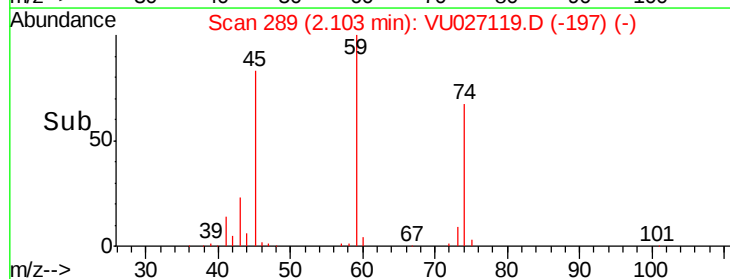
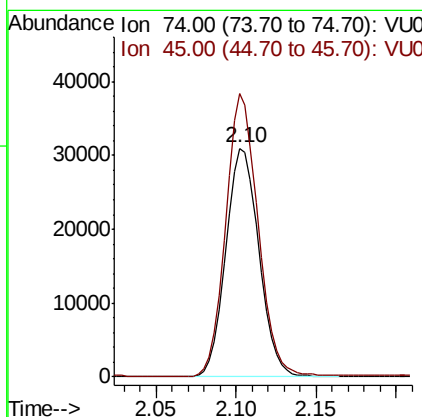
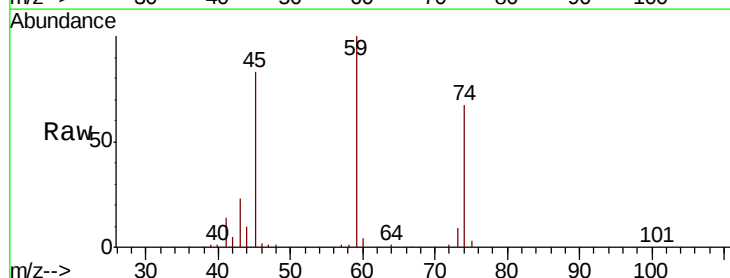
MMDadoda
9/25/2018 11:34:14 AM



#8

Diethyl Ether
Concen: 50.785 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion: 74 Resp: 43690
Ion Ratio Lower Upper
74 100
45 121.3 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.362 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

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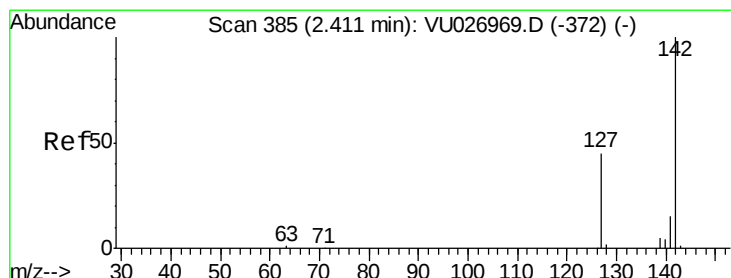
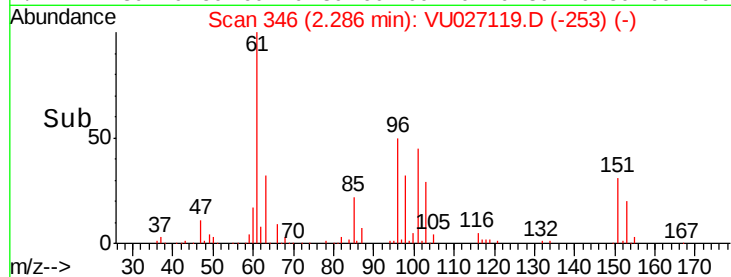
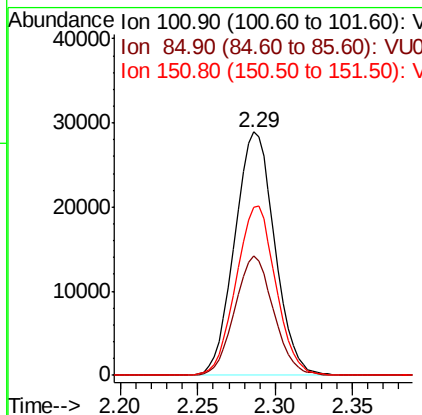
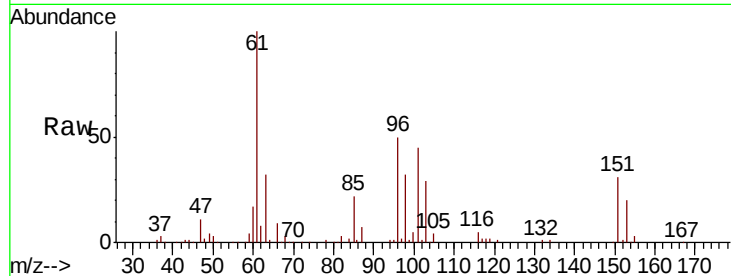
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	101	Resp:	52049
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.2	54.2
151	69.0	54.5	81.7

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#10

Methyl Iodide

Concen: 18.510 ug/l

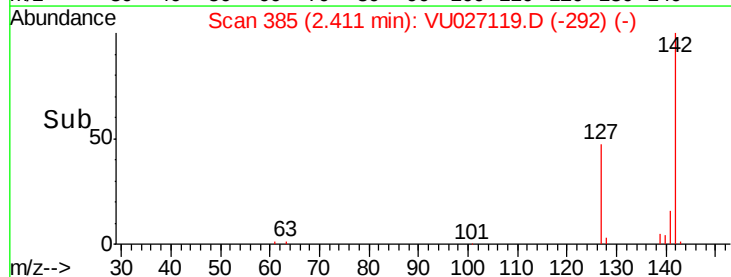
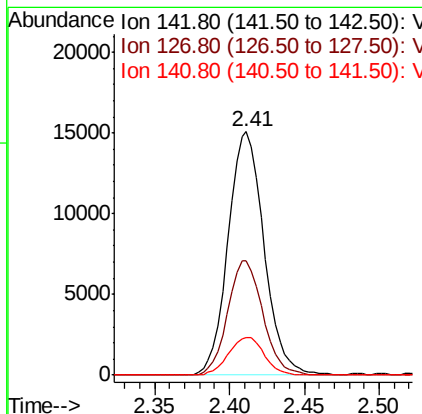
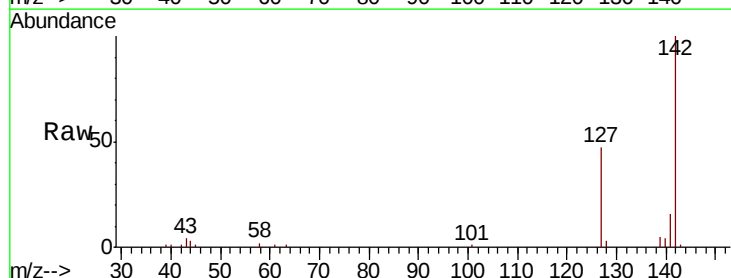
RT: 2.41 min Scan# 385

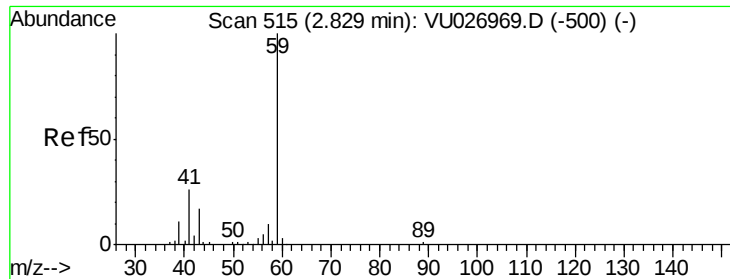
Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	142	Resp:	25229
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	15.2	11.8	17.6





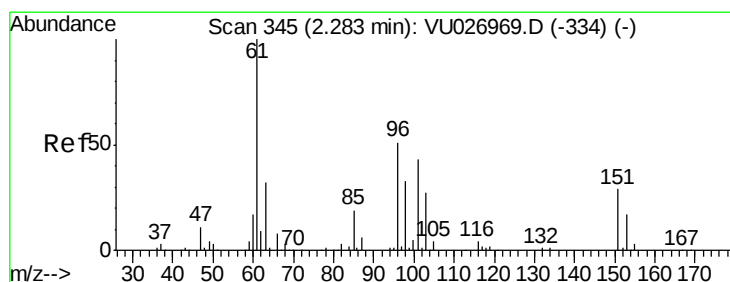
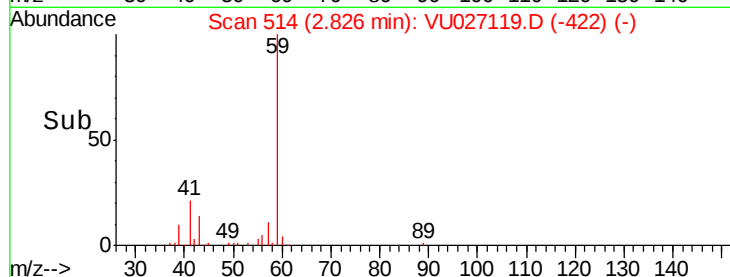
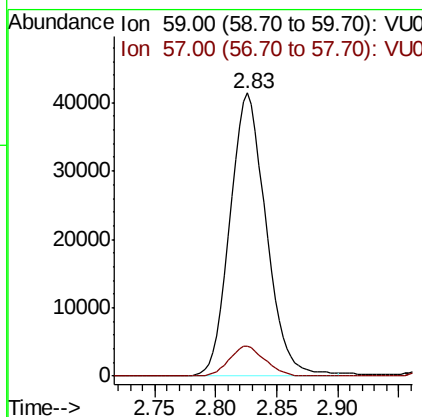
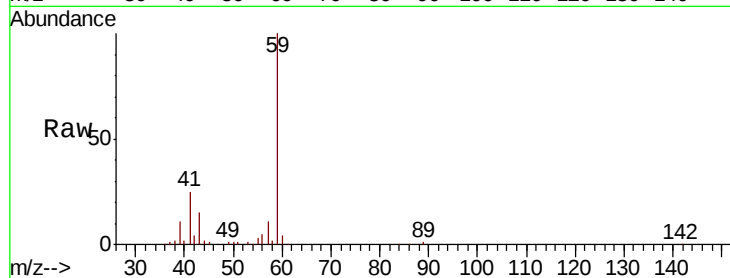
#11
Tert butyl alcohol
Concen: 247.454 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion: 59 Resp: 85493
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

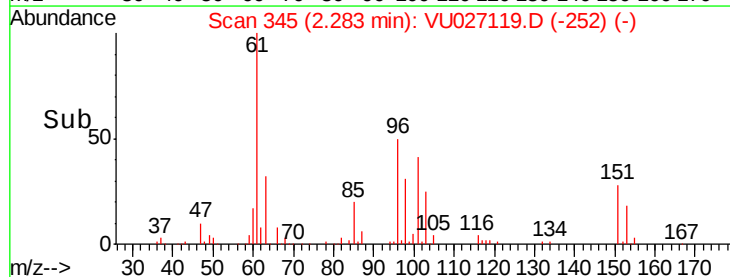
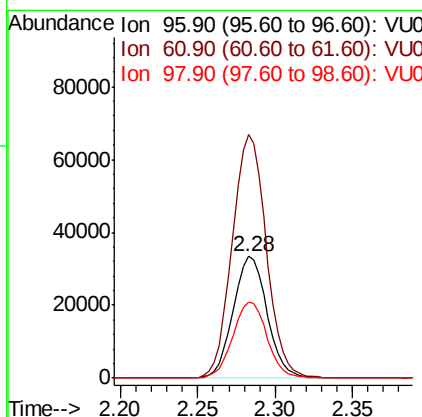
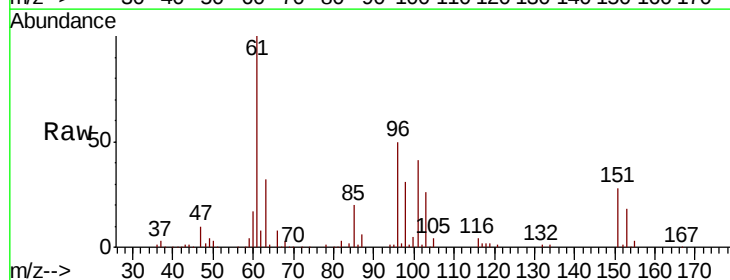
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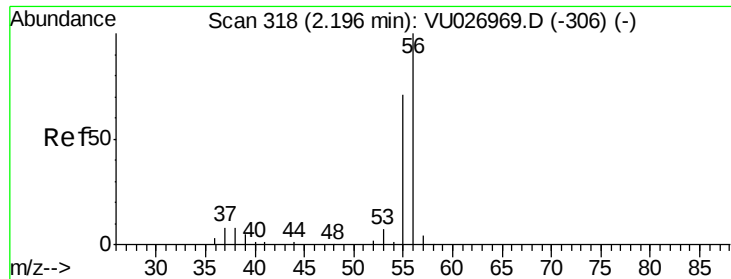
MMDadoda
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#12
1,1-Dichloroethene
Concen: 49.365 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion: 96 Resp: 51062
Ion Ratio Lower Upper
96 100
61 200.1 156.1 234.1
98 62.8 51.4 77.0





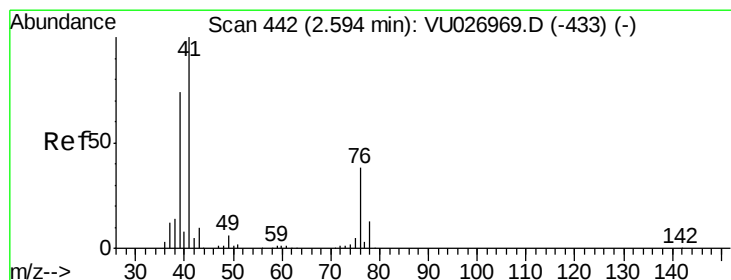
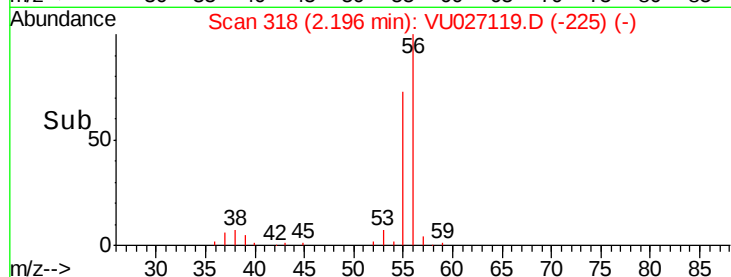
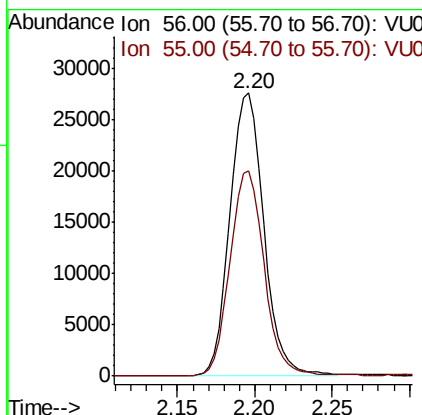
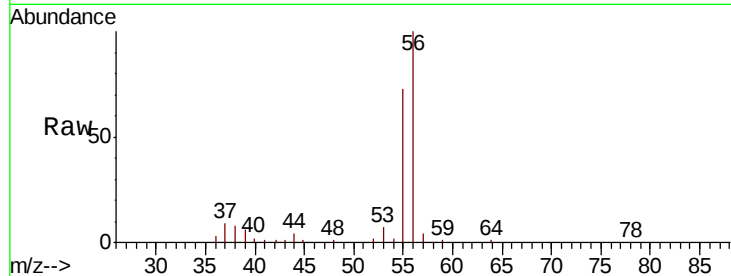
#13
Acrolein
Concen: 225.959 ug/l
RT: 2.20 min Scan# 318
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	56	55	Resp	Lower	Upper
42083	100	73.1		57.1	85.7

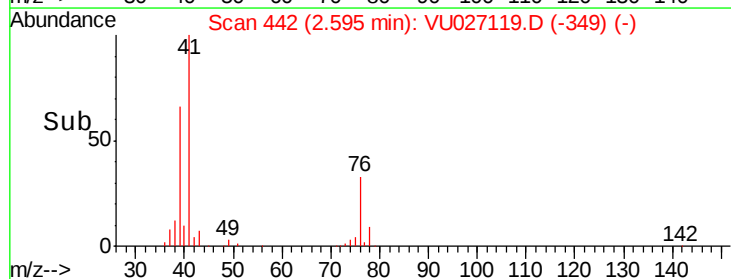
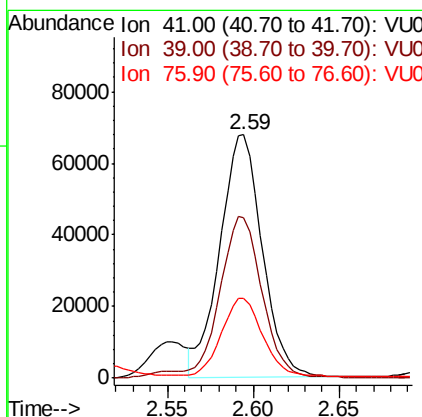
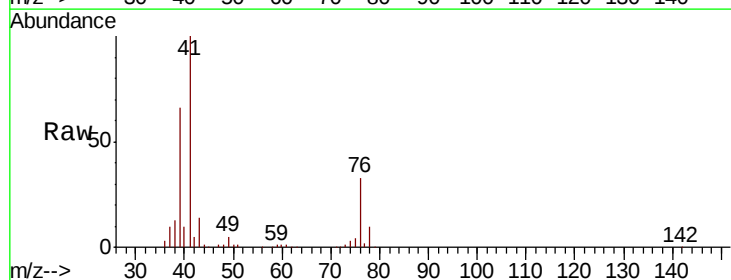
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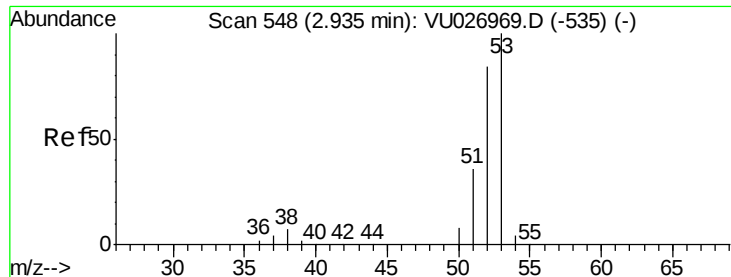
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#14
Allyl chloride
Concen: 55.676 ug/l
RT: 2.59 min Scan# 442
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	41	39	76	Resp	Lower	Upper
116806	100	68.5	32.5		55.7	83.5





#15

Acrylonitrile

Concen: 273.491 ug/l

RT: 2.94 min Scan# 548

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

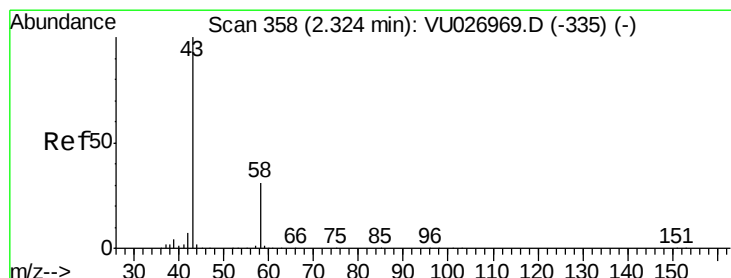
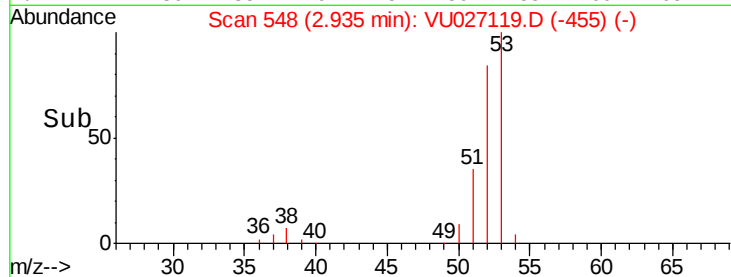
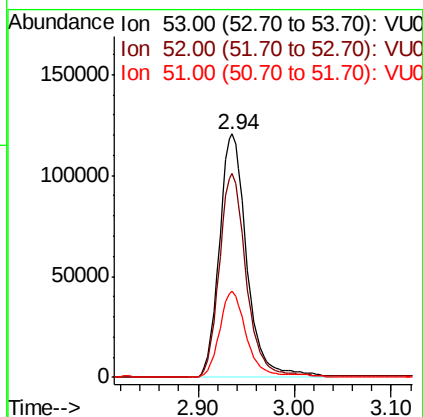
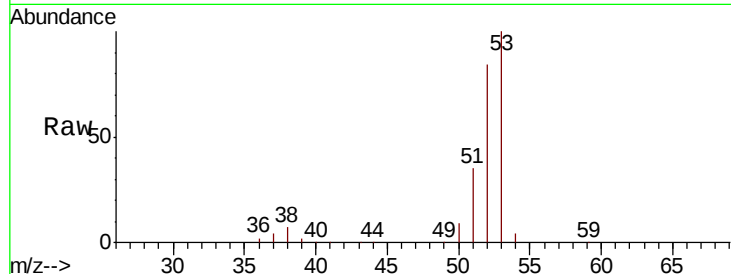
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	53	Resp:	238147
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	34.3	27.4	41.2

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#16

Acetone

Concen: 257.441 ug/l

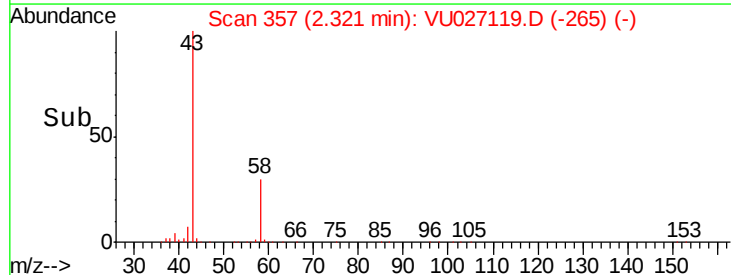
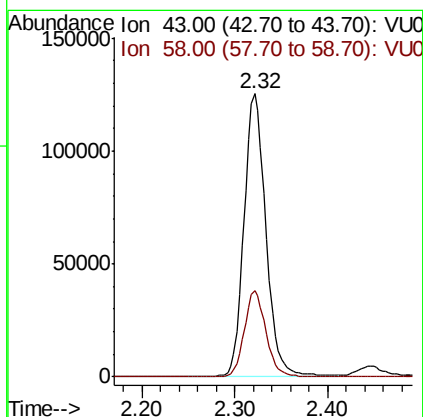
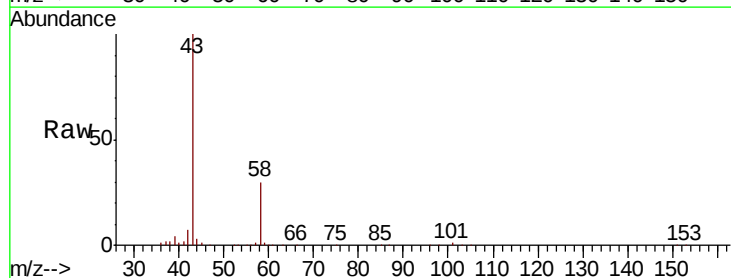
RT: 2.32 min Scan# 357

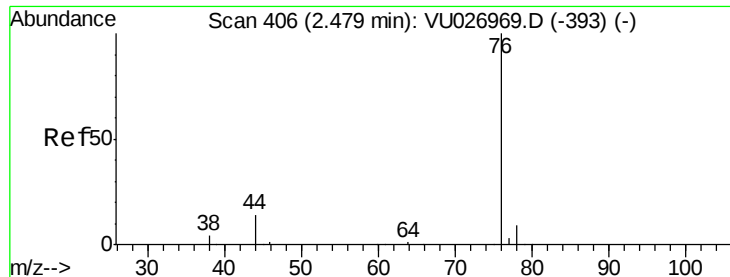
Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	43	Resp:	205732
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.6	36.8





#17

Carbon Disulfide

Concen: 47.841 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion: 76 Resp: 161207

Ion Ratio Lower Upper

76 100

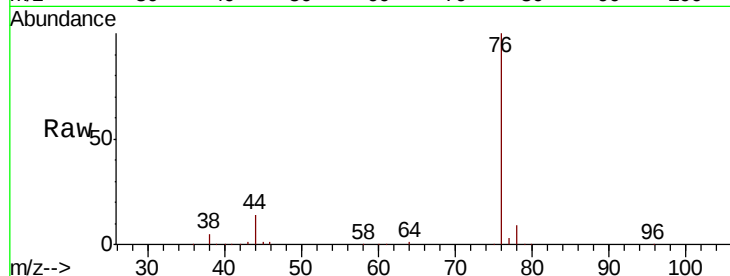
78 8.9 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU027119.D (-313) (-)

Ion 77.90 (77.60 to 78.60): VU027119.D (-313) (-)

2.48

100000

80000

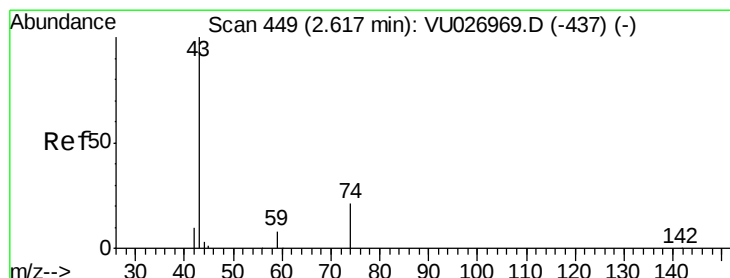
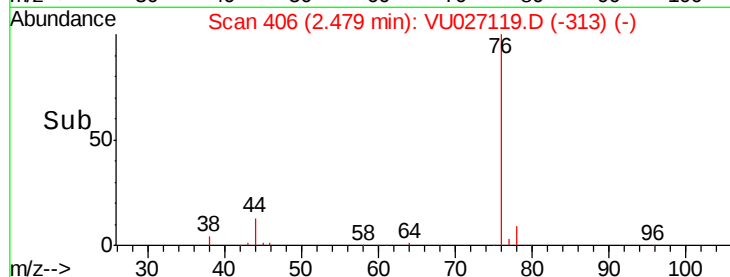
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.851 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU027119.D

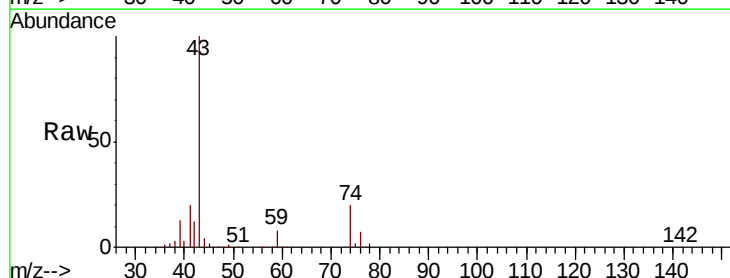
Acq: 24 Sep 2018 19:14

Tgt Ion: 43 Resp: 111242

Ion Ratio Lower Upper

43 100

74 20.0 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VU027119.D (-356) (-)

Ion 74.00 (73.70 to 74.70): VU027119.D (-356) (-)

2.61

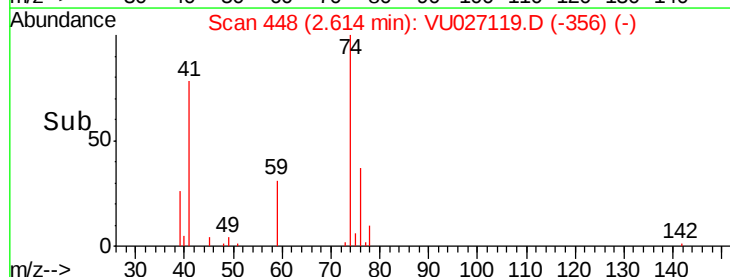
60000

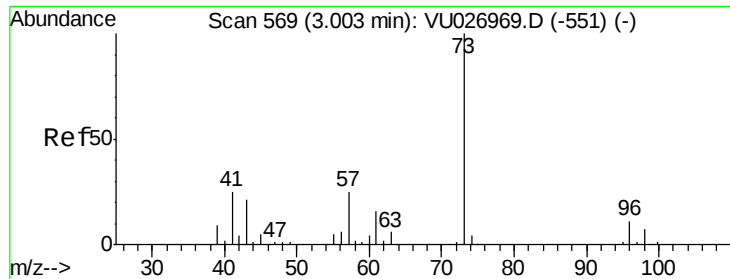
40000

20000

0

Time-->





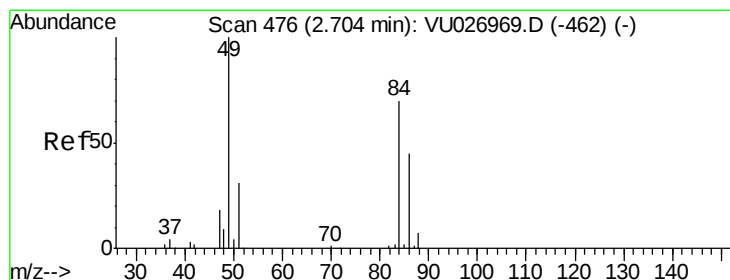
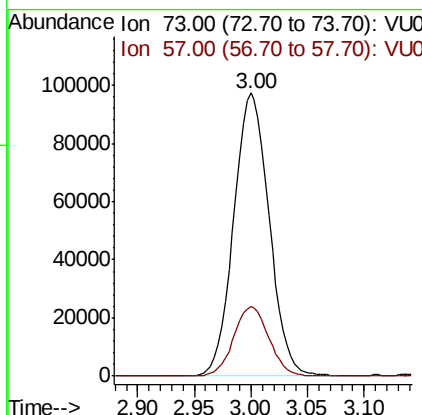
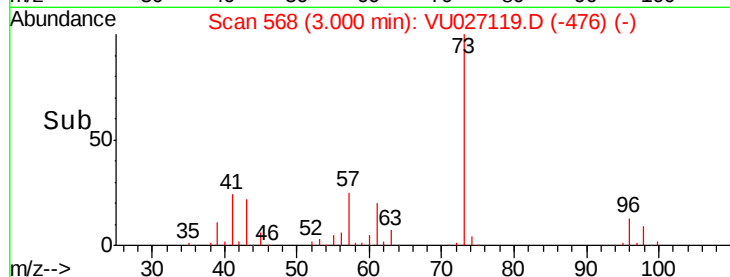
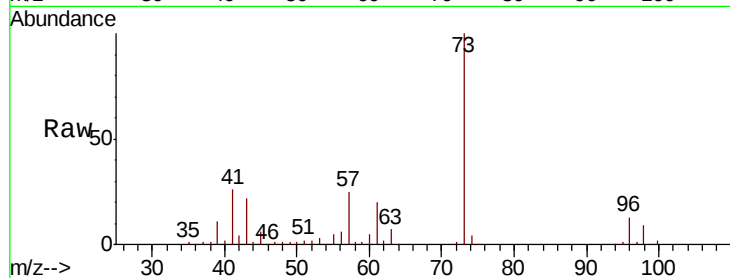
#19
Methvl tert-butvl Ether
Concen: 55.835 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.6	19.8	29.6

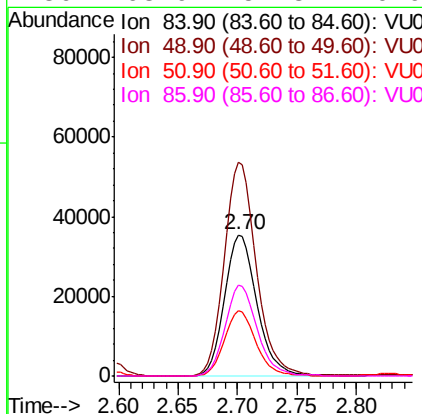
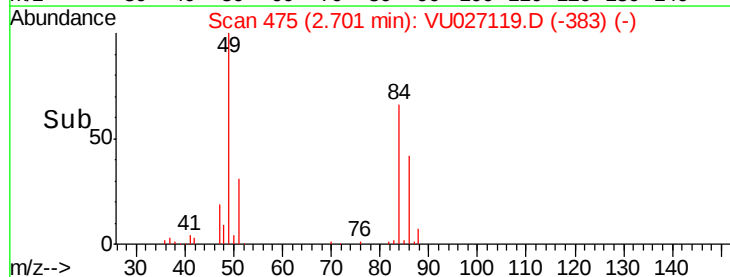
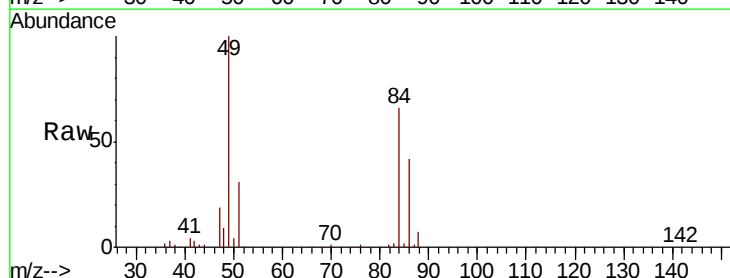
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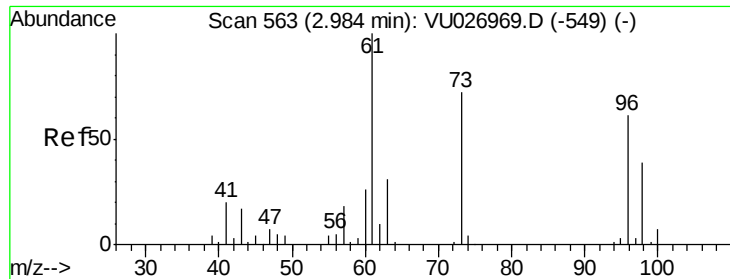
MMDadoda
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#20
Methylene Chloride
Concen: 49.725 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.1	114.9	172.3
51	46.3	35.8	53.8
86	63.9	51.3	76.9





#21

trans-1,2-Dichloroethene

Concen: 51.294 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

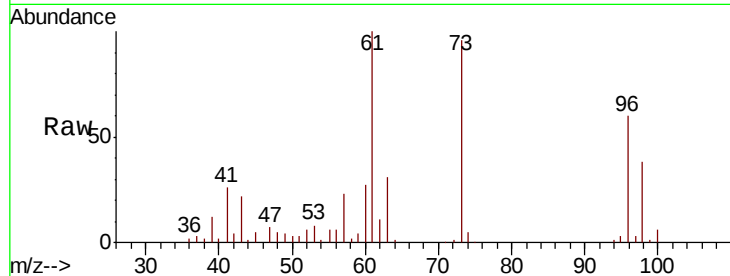
ClientSampleId :

SA-PZ182I-20180916MS

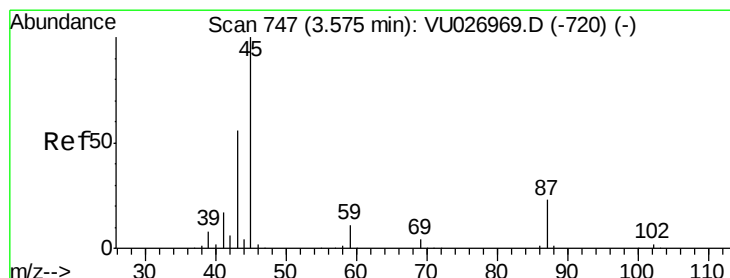
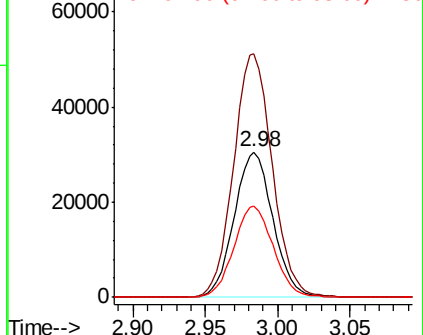
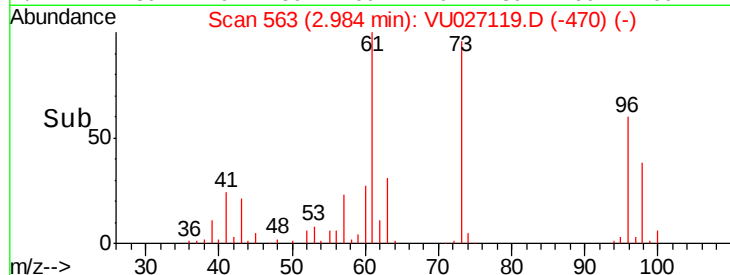
Tot Ion:	96	Resp:	56647
Ion	Ratio	Lower	Upper
96	100		
61	167.6	131.8	197.6
98	62.9	50.9	76.3

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Abundance Ion 95.90 (95.60 to 96.60): VU027119.D (-470) (-)



#22

Diisopropyl ether

Concen: 58.991 ug/l

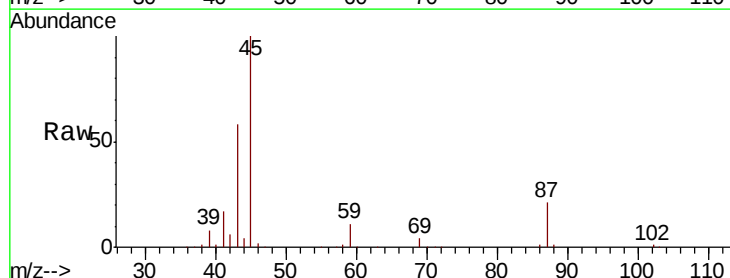
RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

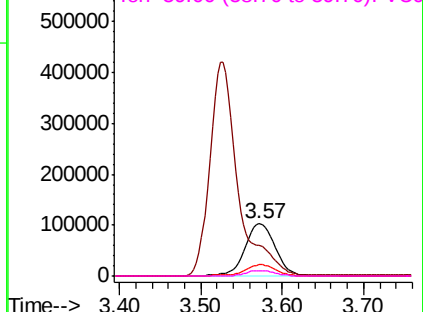
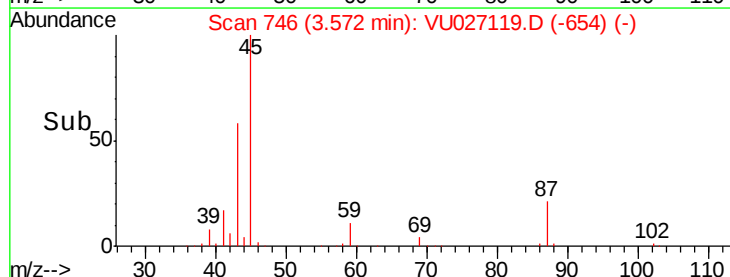
Lab File: VU027119.D

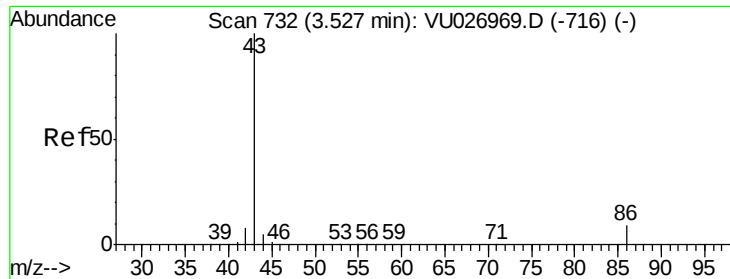
Acq: 24 Sep 2018 19:14

Tgt Ion:	45	Resp:	264713
Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.8	68.6
87	21.5	18.6	28.0
59	10.6	9.0	13.4



Abundance Ion 45.00 (44.70 to 45.70): VU027119.D (-654) (-)





#23

Vinyl Acetate

Concen: 266.343 ug/l

RT: 3.53 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tot Ion: 43 Resp: 1018785

Ion Ratio Lower Upper

43 100

86 8.5 7.2 10.8

Instrument :

MSVOA_U

ClientSampleId :

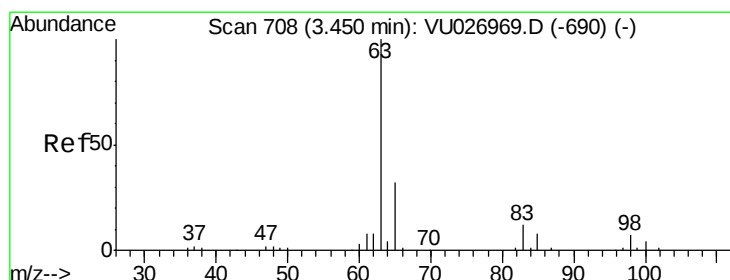
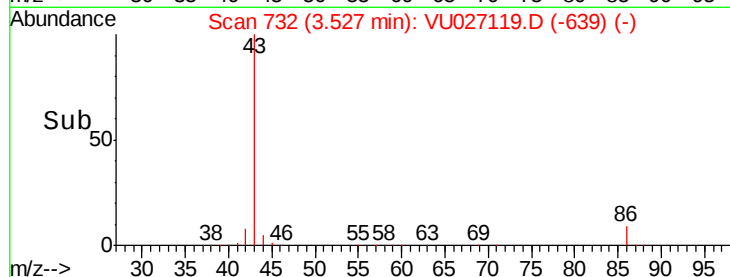
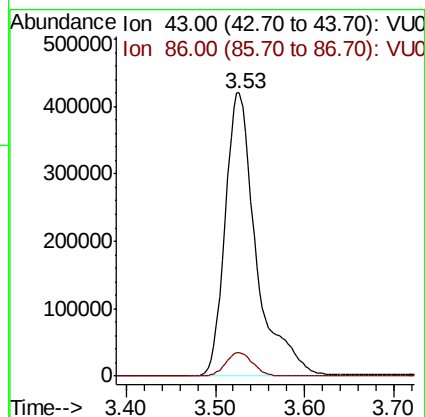
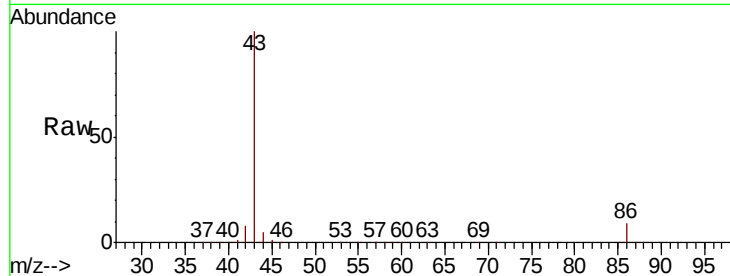
SA-PZ182I-20180916MS

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#24

1,1-Dichloroethane

Concen: 56.038 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

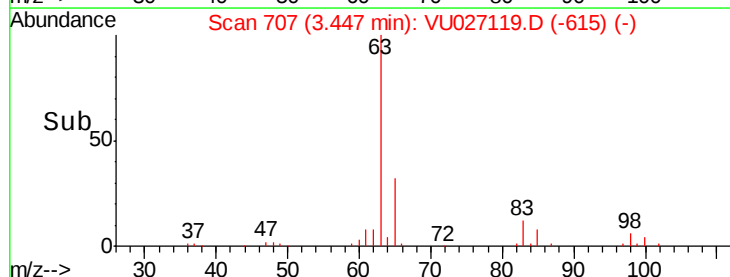
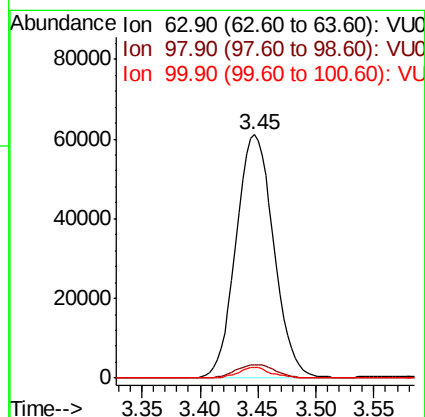
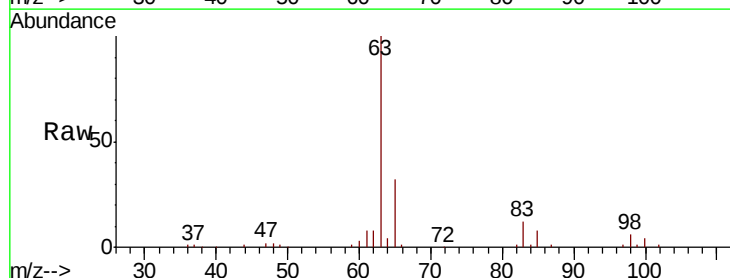
Tgt Ion: 63 Resp: 138495

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 268.182 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion: 43 Resp: 339716

Ion Ratio Lower Upper

43 100

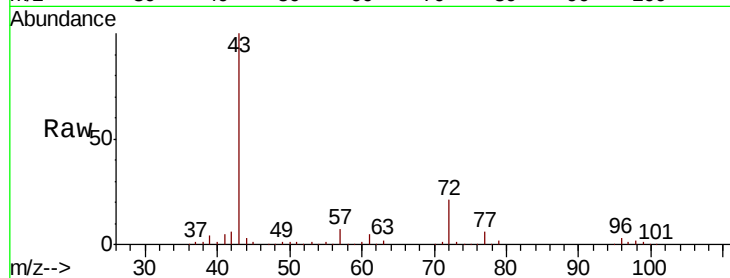
72 21.4 18.4 27.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

150000

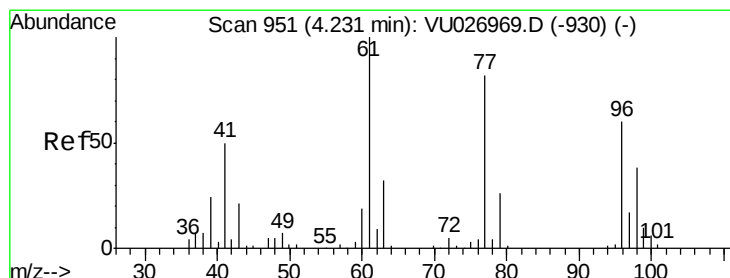
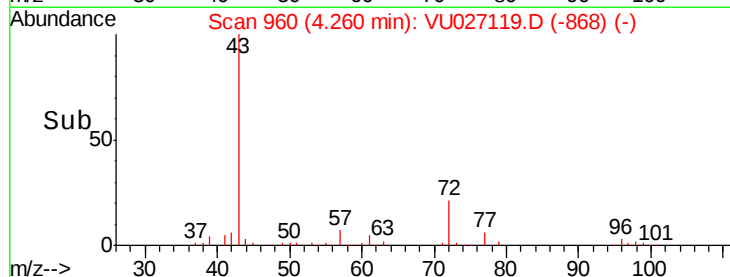
100000

50000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.964 ug/l

RT: 4.23 min Scan# 950

Delta R.T. -0.00 min

Lab File: VU027119.D

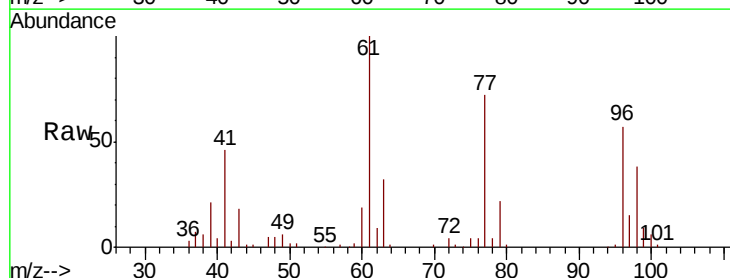
Acq: 24 Sep 2018 19:14

Tgt Ion: 77 Resp: 92446

Ion Ratio Lower Upper

77 100

97 20.9 10.5 31.5



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

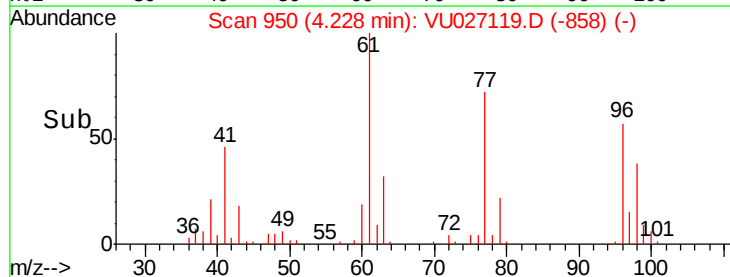
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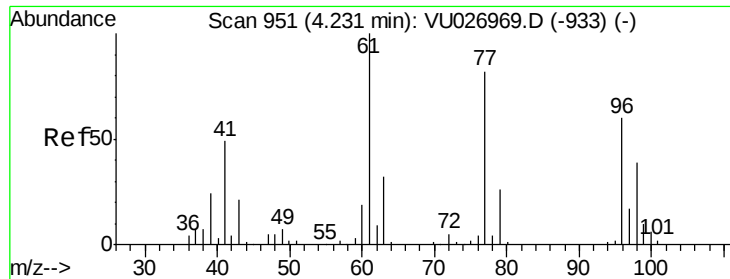
10000

0

4.10 4.20 4.30

Time-->





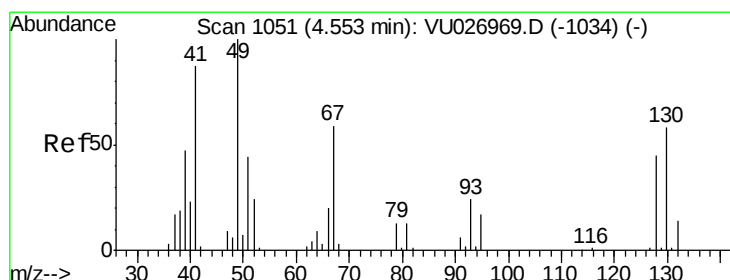
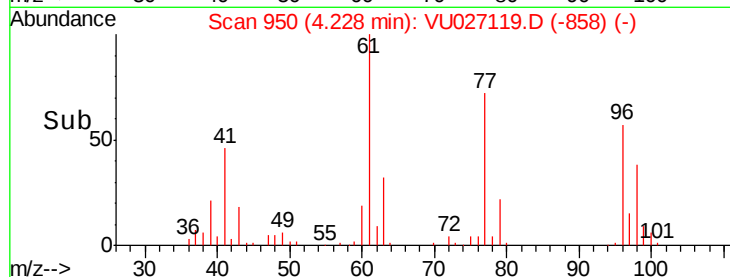
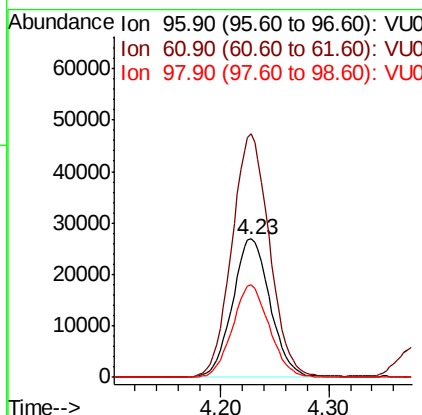
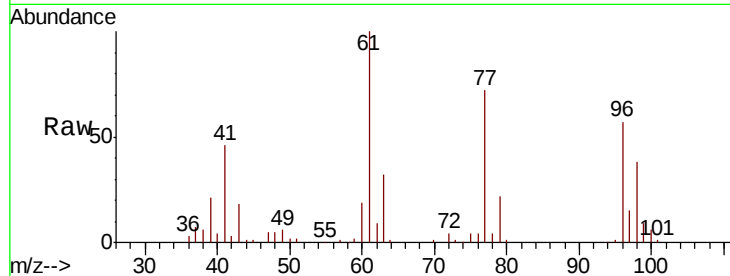
#27
 cis-1,2-Dichloroethene
 Concen: 52.643 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	337.2
98	65.3	0.0	127.6

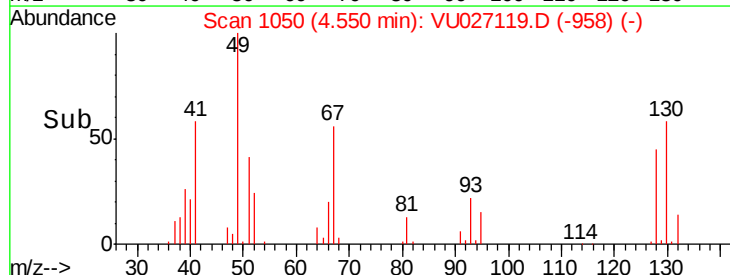
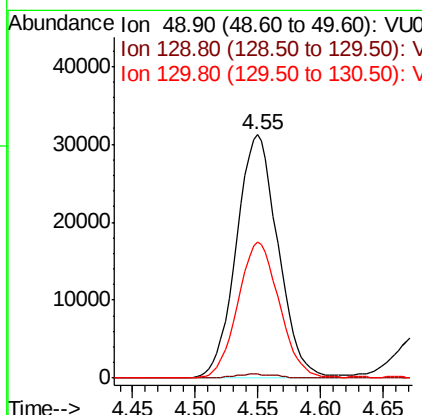
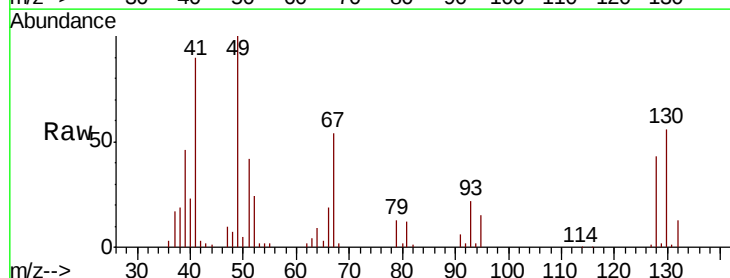
Manual Integrations
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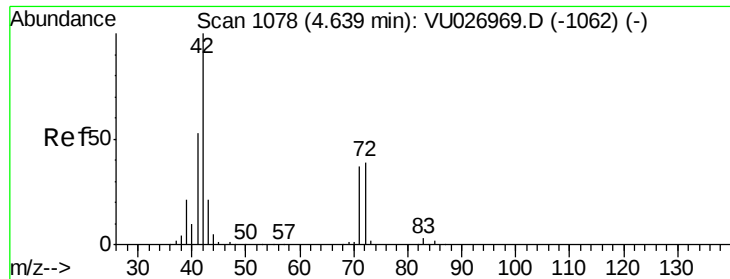
MMDadoda
 9/25/2018 11:34:14 AM



#28
 Bromochloromethane
 Concen: 60.603 ug/l
 RT: 4.55 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	55.7	47.8	71.8





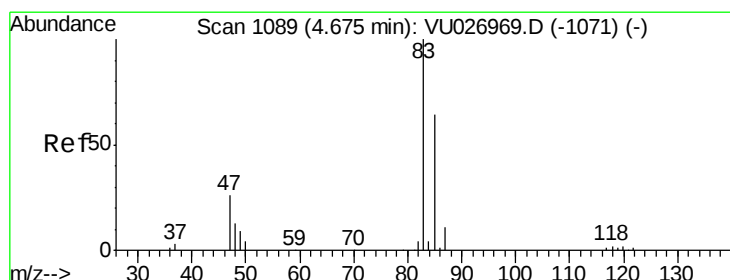
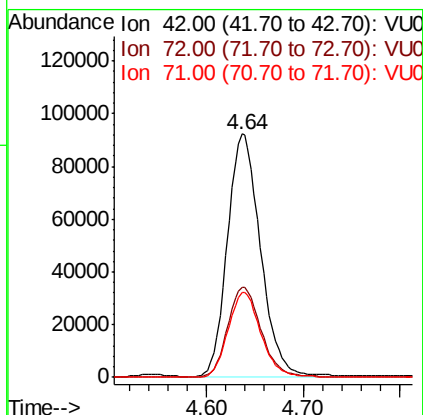
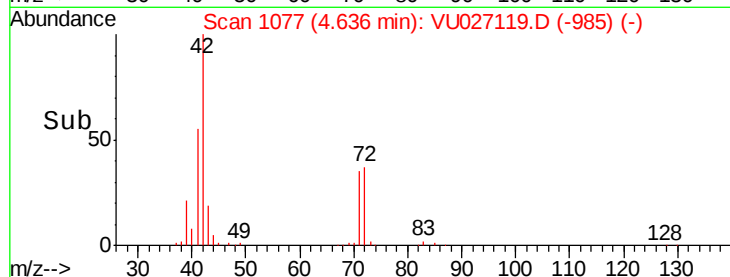
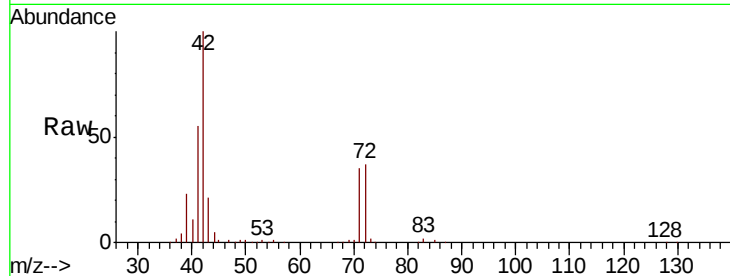
#29
Tetrahydrofuran
Concen: 286.014 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.6	31.7	47.5
71	34.8	29.6	44.4

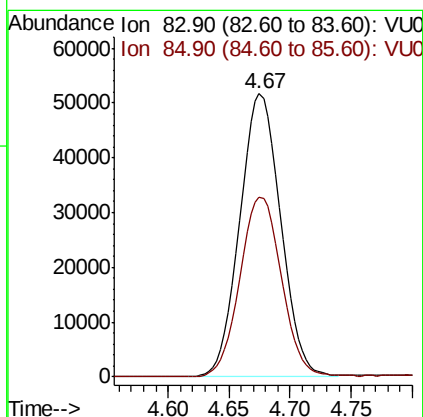
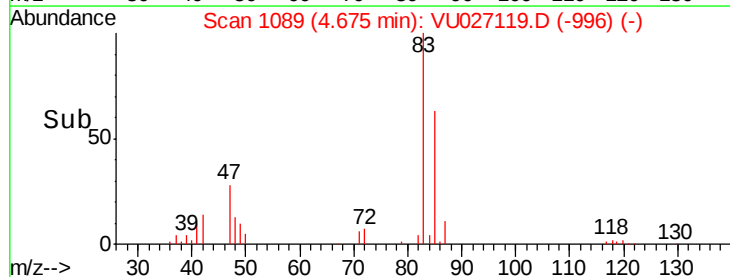
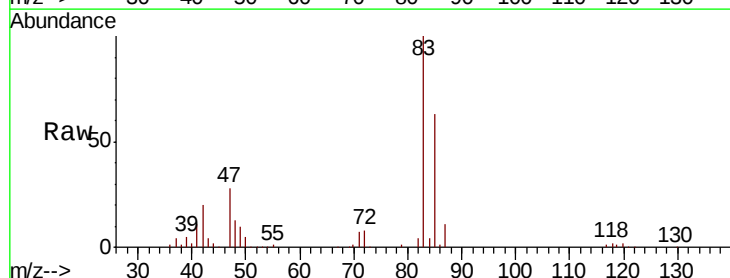
Manual Integrations
APPROVED

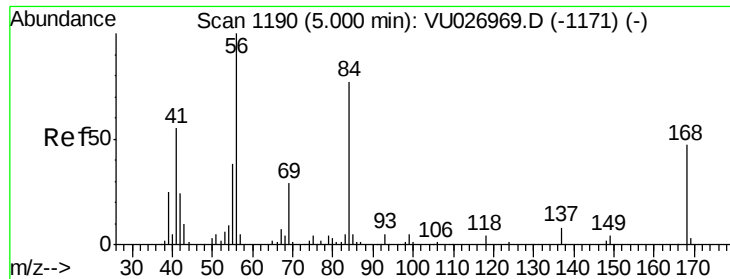
MMDadoda
9/25/2018 11:34:14 AM



#30
Chloroform
Concen: 52.304 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.5	77.3





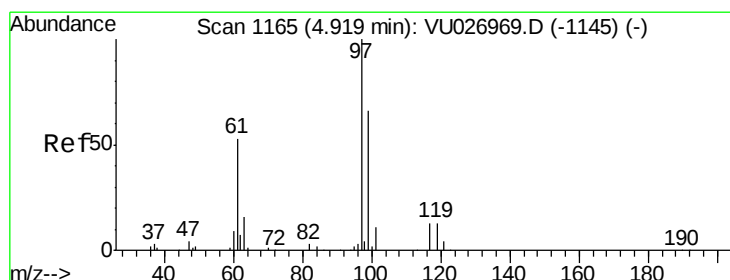
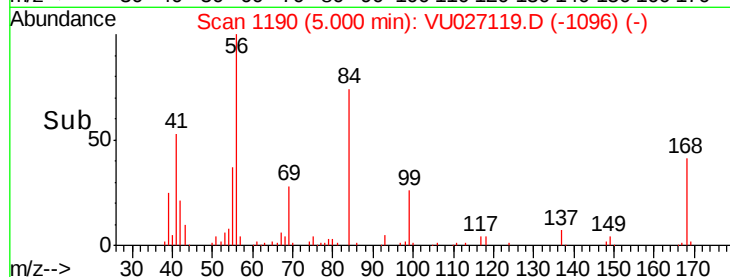
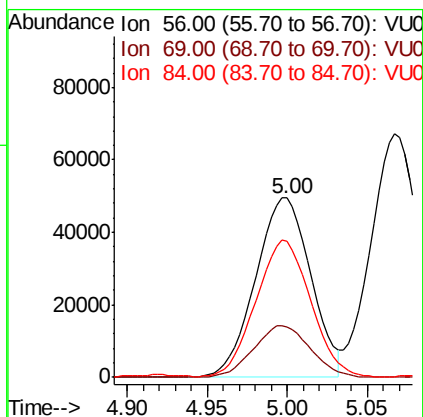
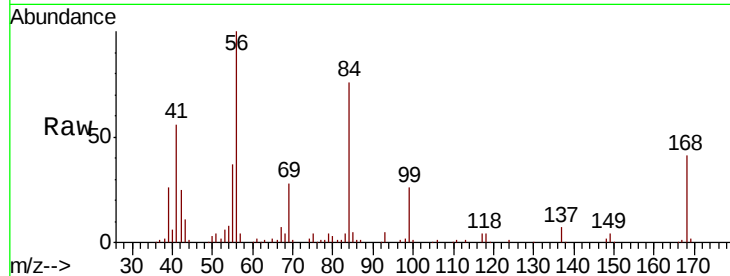
#31
Cyclohexane
Concen: 52.658 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.0	34.4
84	75.2	61.4	92.2

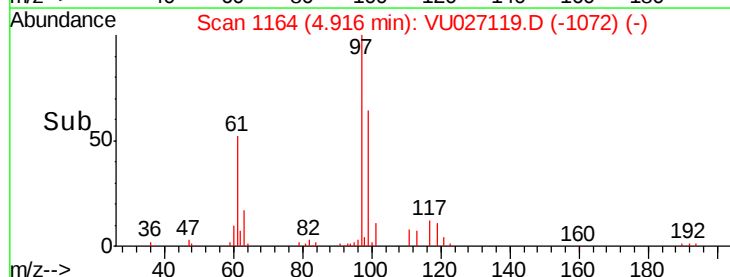
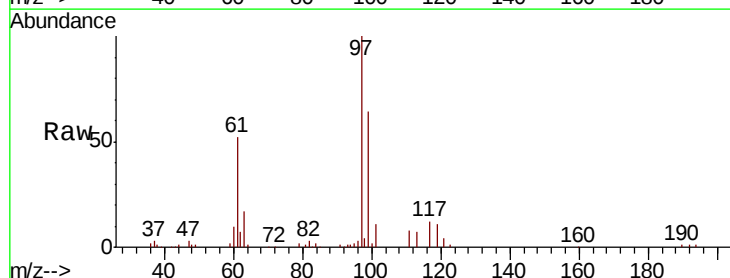
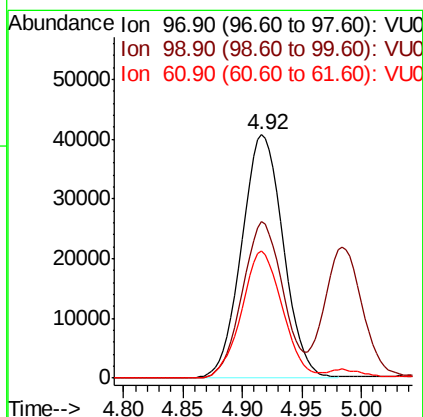
Manual Integrations
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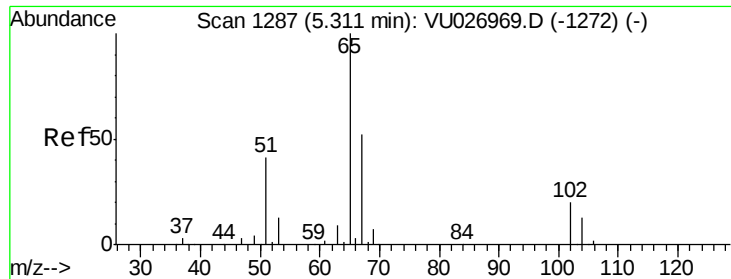
MMDadoda
9/25/2018 11:34:14 AM



#32
1,1,1-Trichloroethane
Concen: 53.958 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.8	77.6
61	51.1	41.1	61.7





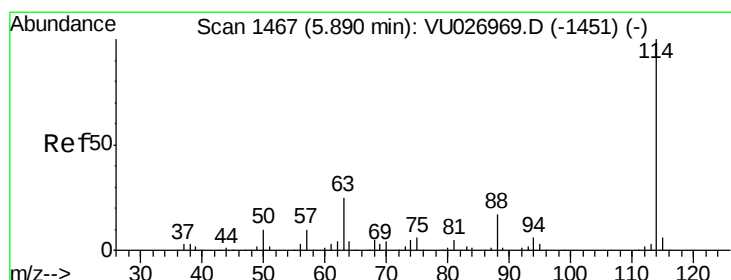
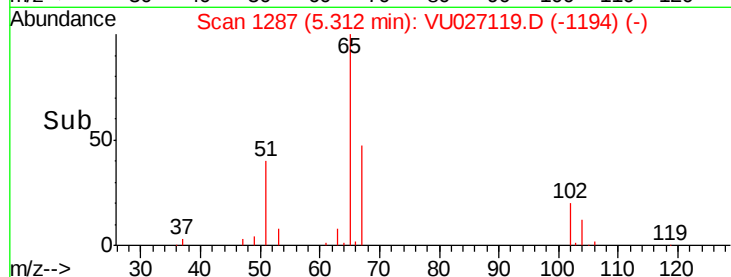
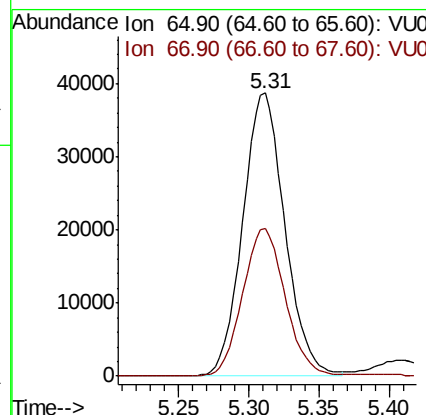
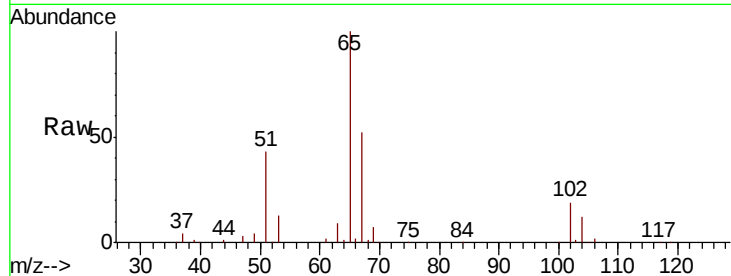
#33
 1,2-Dichloroethane-d4
 Concen: 53.722 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	105.6

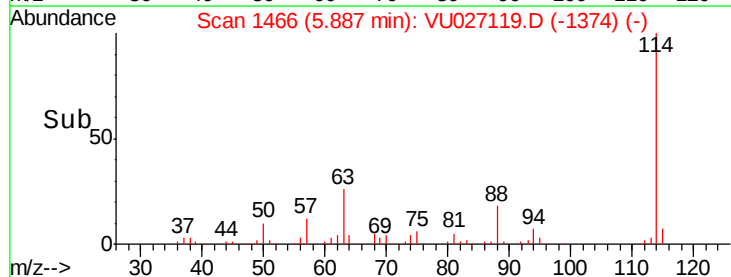
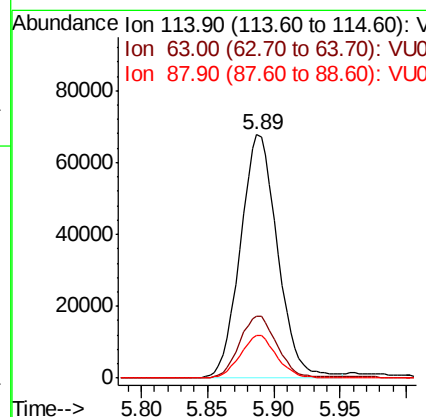
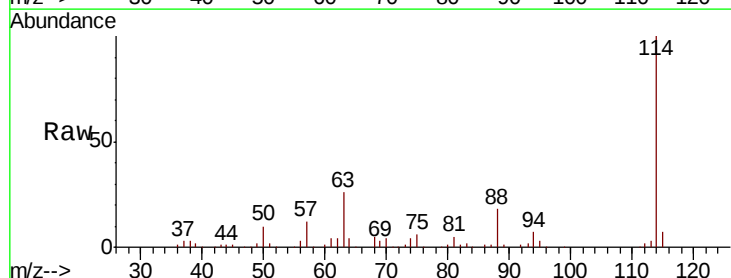
Manual Integrations
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 9/25/2018 11:34:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	49.2
88	17.6	0.0	33.8





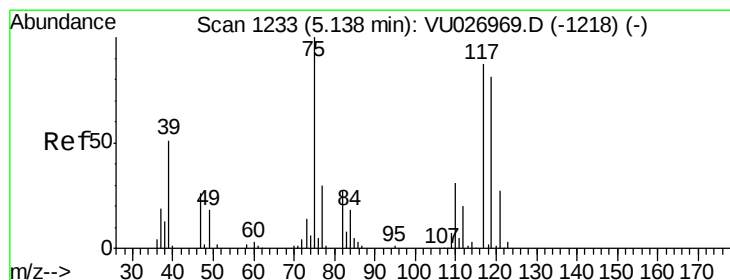
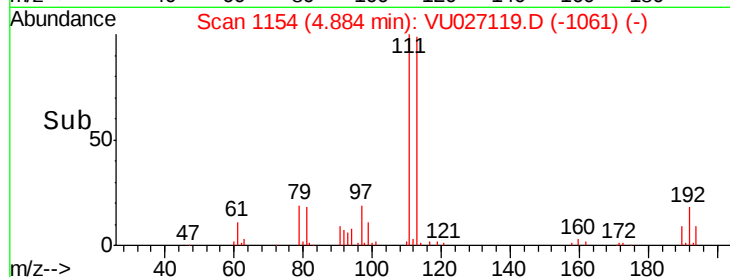
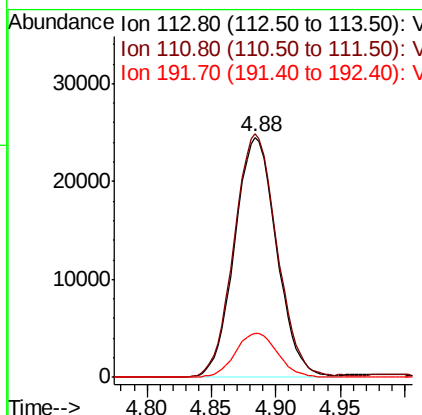
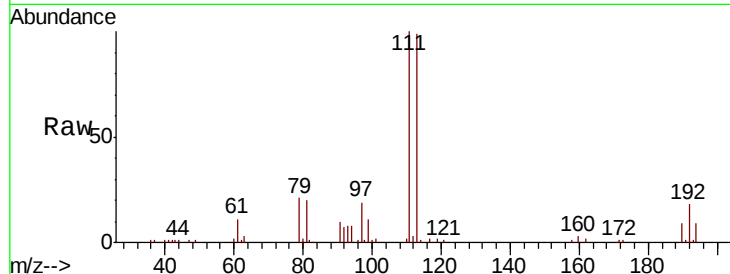
#35
 Dibromofluoromethane
 Concen: 48.415 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.2	123.4
192	18.5	15.2	22.8

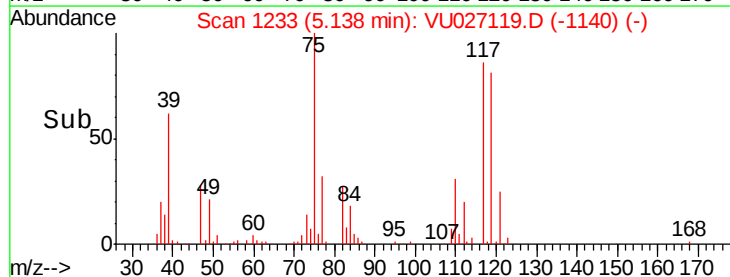
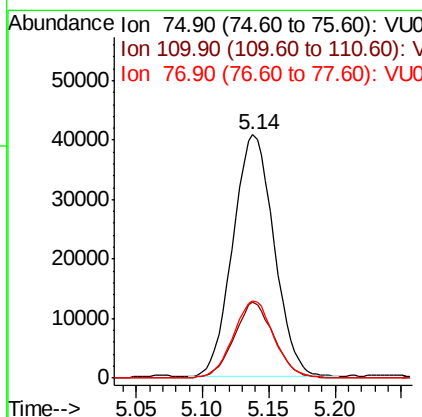
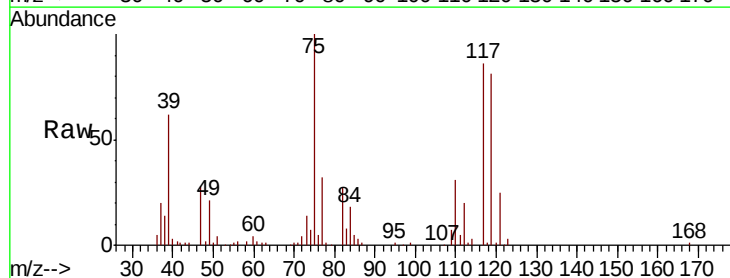
Manual Integrations
 APPROVED

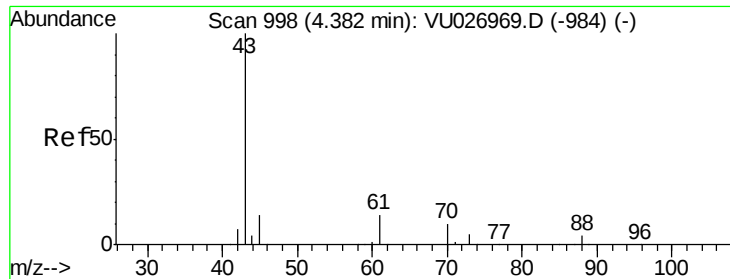
MMDadoda
 9/25/2018 11:34:14 AM



#36
 1,1-Dichloropropene
 Concen: 49.698 ug/l
 RT: 5.14 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.6	16.1	48.2
77	31.8	24.6	36.8





#37

Ethyl Acetate

Concen: 47.703 ug/l

RT: 4.38 min Scan# 998

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

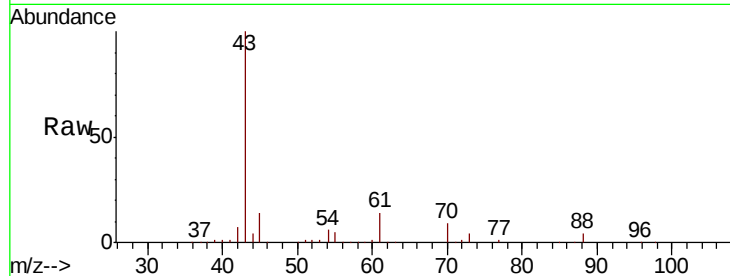
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	43	Resp:	114216
Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.5	15.7
70	8.5	7.4	11.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VU026969.D (-984) (-)

Ion 70.00 (69.70 to 70.70): VU026969.D (-984) (-)

150000

100000

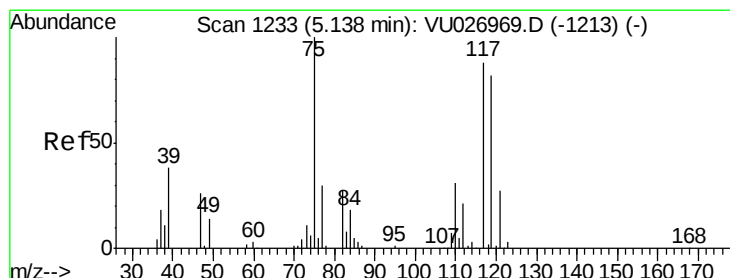
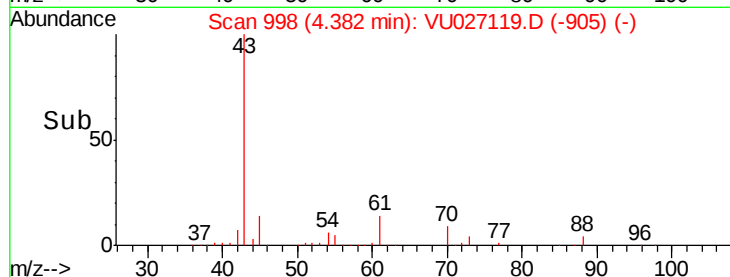
50000

0

4.38

4.30 4.40 4.50

Time-->



#38

Carbon Tetrachloride

Concen: 48.899 ug/l

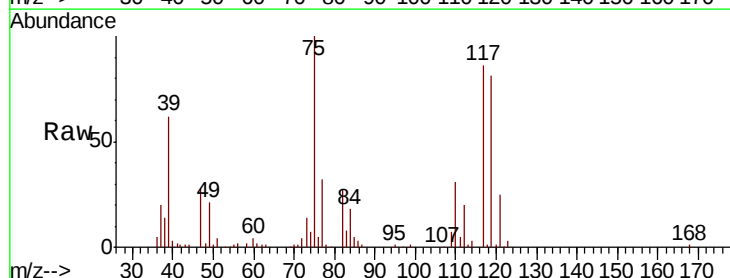
RT: 5.14 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	117	Resp:	82302
Ion	Ratio	Lower	Upper
117	100		
119	94.4	74.4	111.6
121	29.1	24.2	36.4



Abundance Ion 116.80 (116.50 to 117.50): VU026969.D (-1213) (-)

Ion 118.80 (118.50 to 119.50): VU026969.D (-1213) (-)

Ion 120.80 (120.50 to 121.50): VU026969.D (-1213) (-)

40000

30000

20000

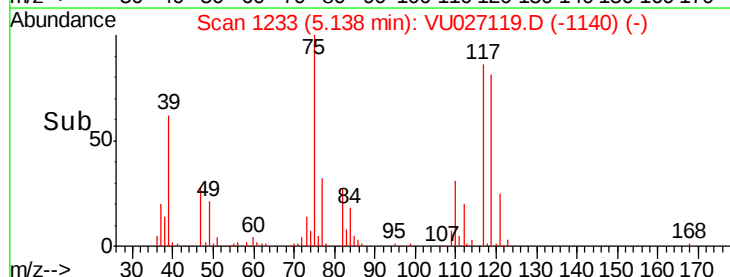
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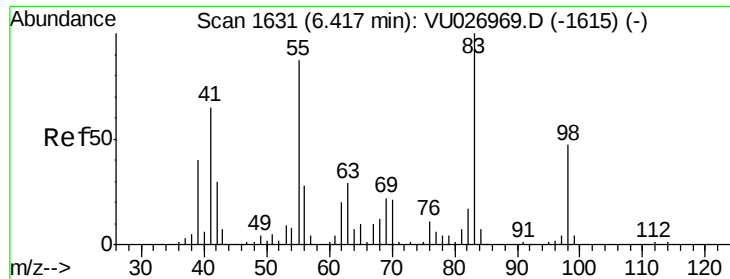
0

5.14

5.05 5.10 5.15 5.20

Time-->





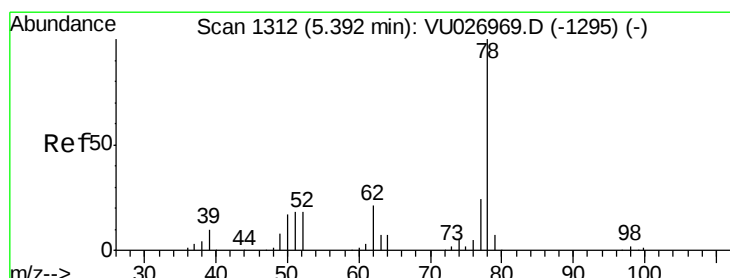
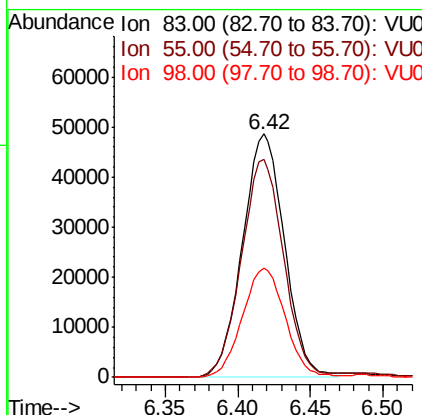
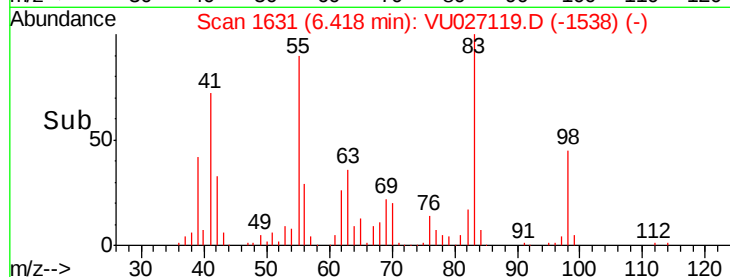
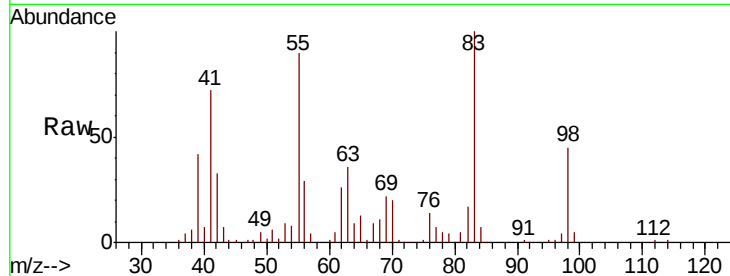
#39
Methvlcvclohexane
Concen: 51.095 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.6	69.9	104.9
98	44.7	37.5	56.3

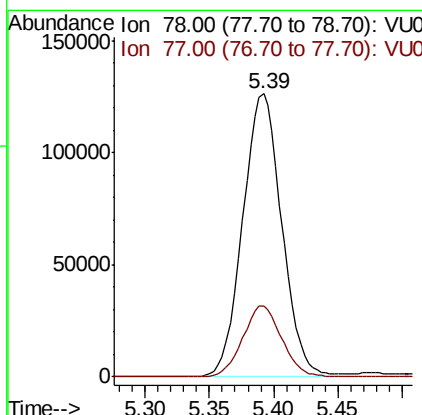
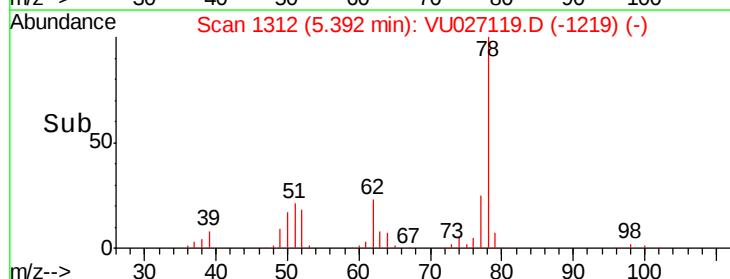
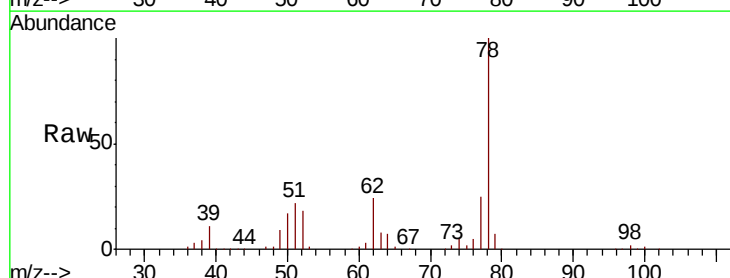
Manual Integrations
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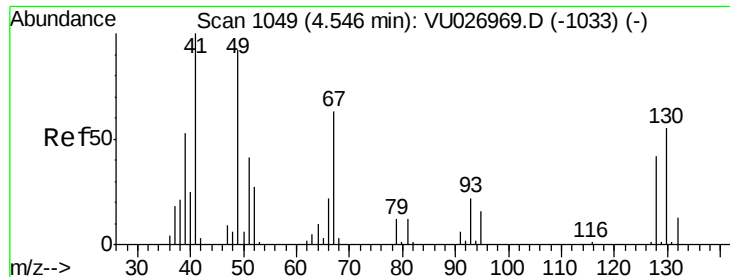
MMDadoda
9/25/2018 11:34:14 AM



#40
Benzene
Concen: 49.533 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.4	29.0





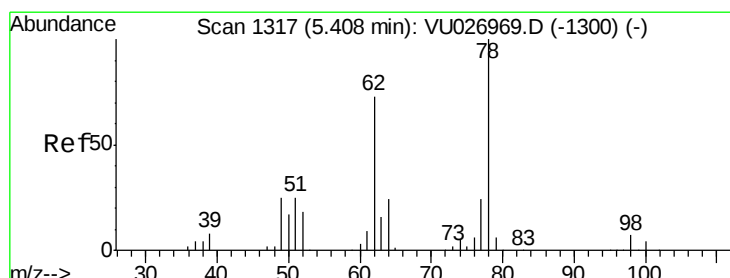
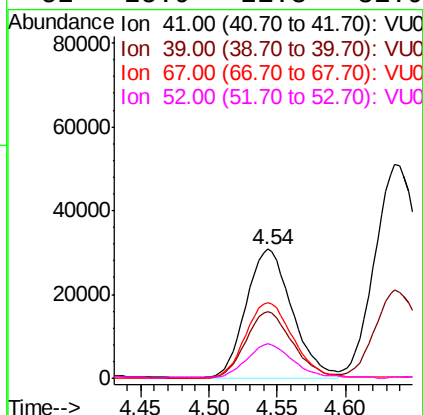
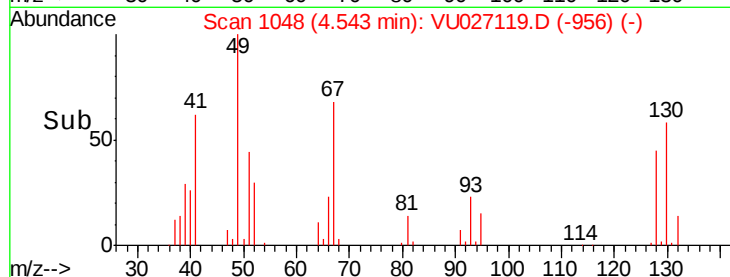
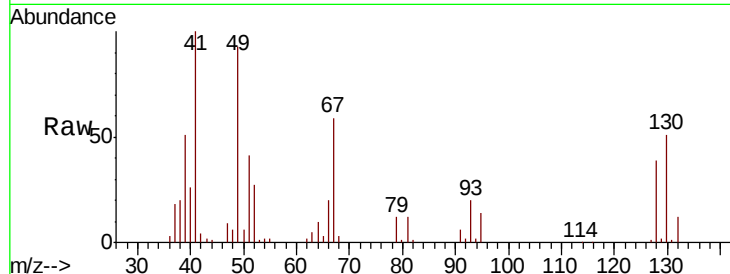
#41
Methacrylonitrile
Concen: 58.370 ug/l
RT: 4.54 min Scan# 1048
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	42.9	64.3
67	60.8	52.4	78.6
52	25.9	21.3	31.9

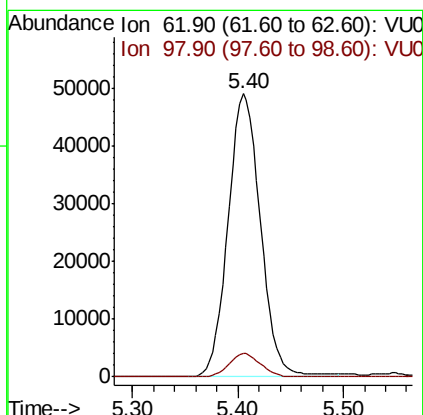
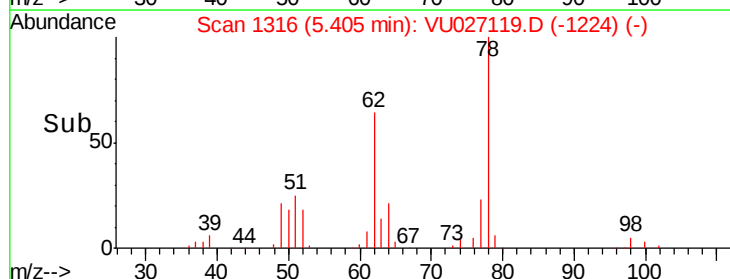
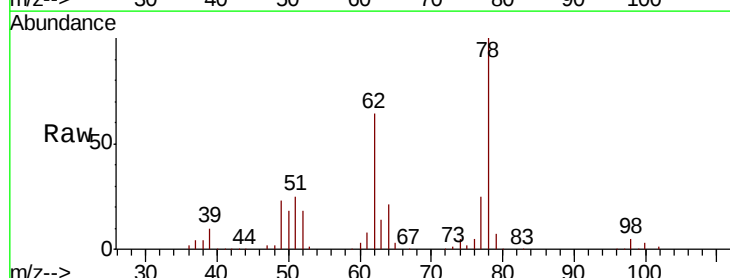
Manual Integrations
APPROVED

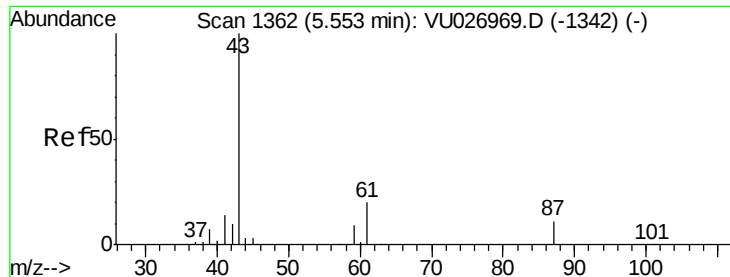
MMDadoda
9/25/2018 11:34:14 AM



#42
1,2-Dichloroethane
Concen: 51.622 ug/l
RT: 5.40 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	17.0





#43

Isopropyl Acetate

Concen: 52.073 ug/l

RT: 5.55 min Scan# 1361

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

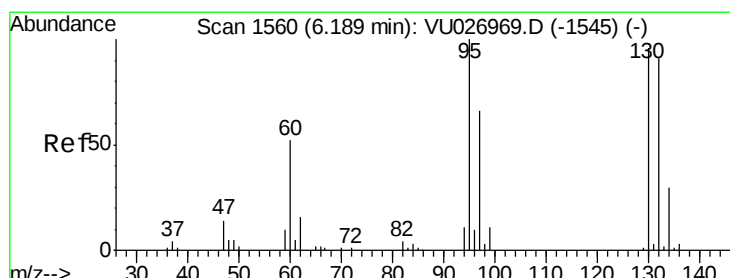
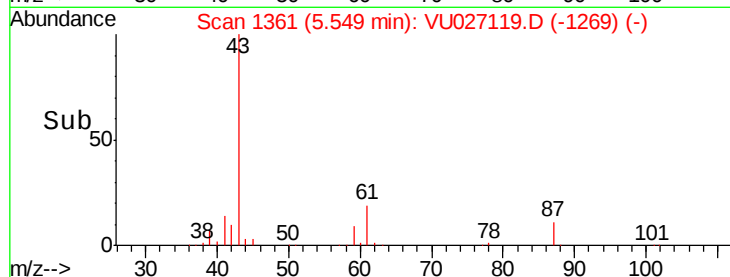
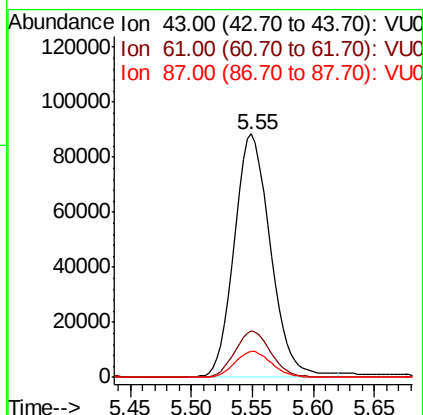
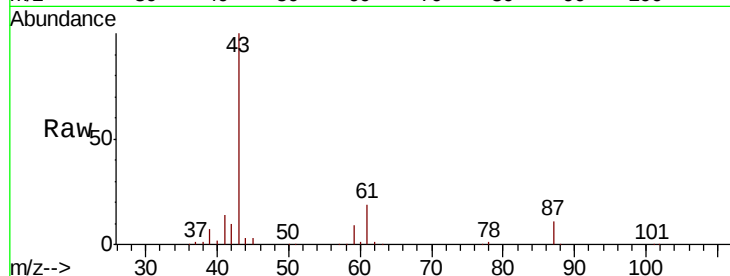
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	43	Resp:	181828
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.7	23.5
87	10.7	9.0	13.4

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#44

Trichloroethene

Concen: 49.212 ug/l

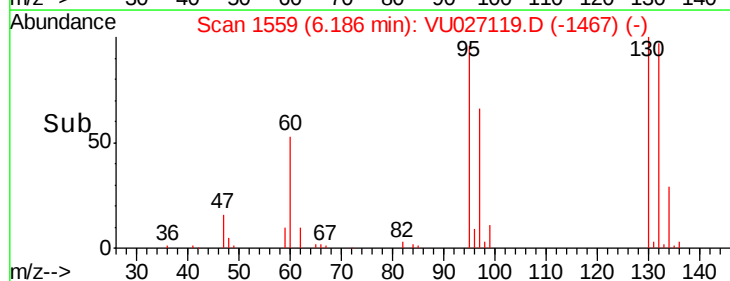
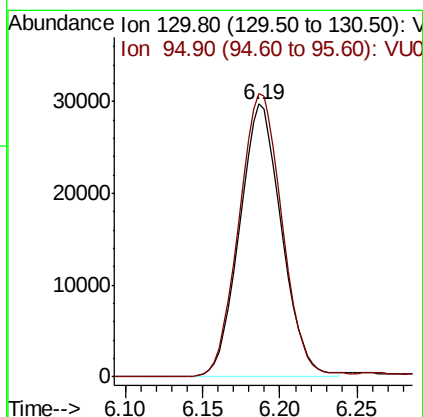
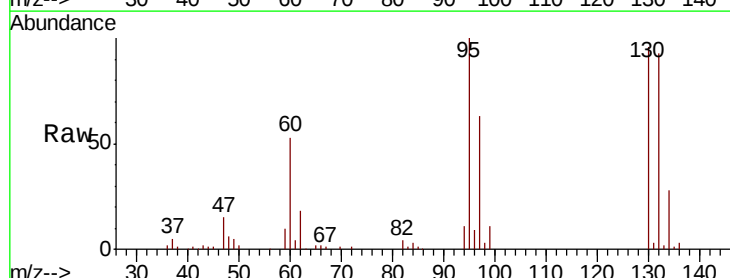
RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	130	Resp:	56330
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	208.8





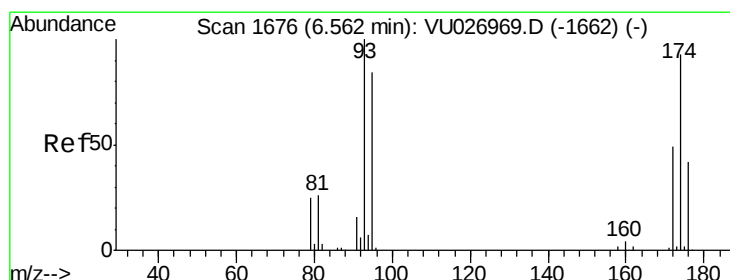
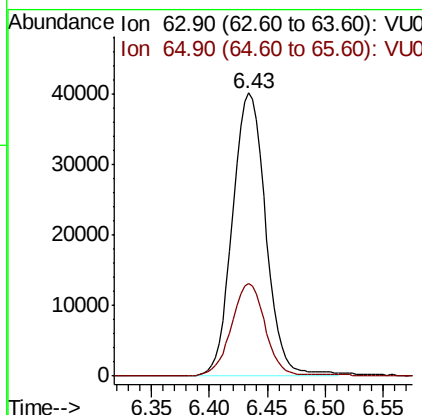
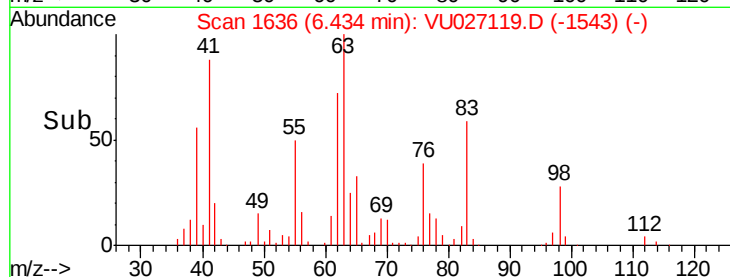
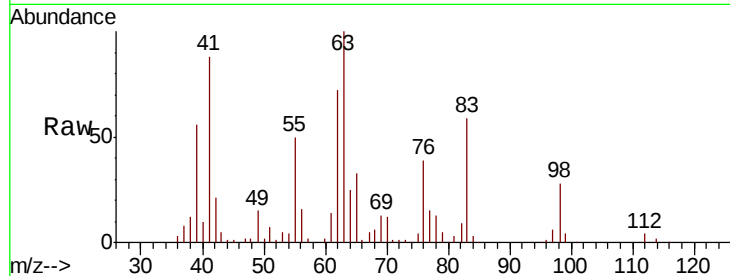
#45
 1,2-Dichloropropane
 Concen: 52.401 ug/l
 RT: 6.43 min Scan# 1636
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion: 63 Resp: 80279
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.3 36.5

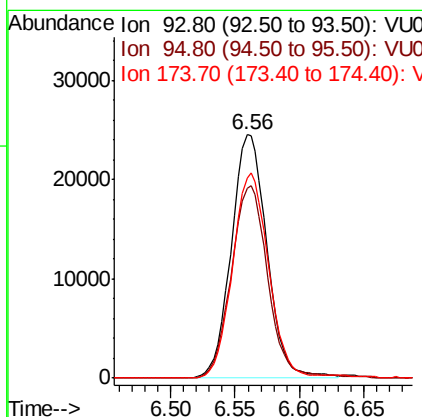
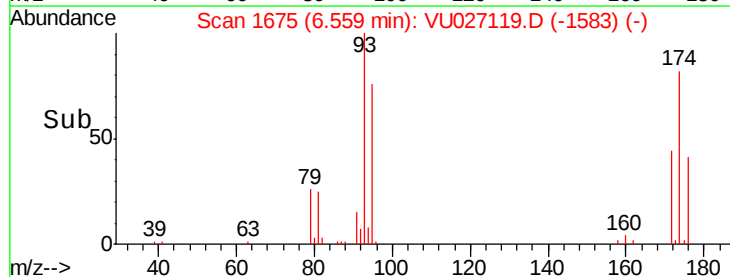
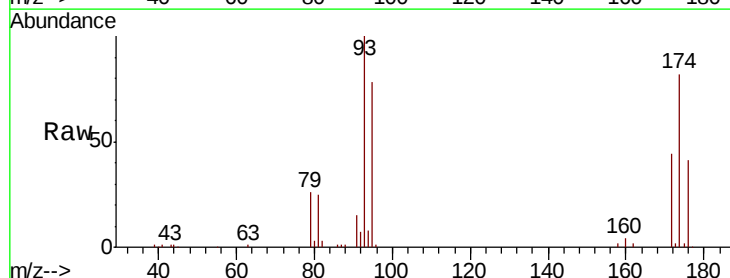
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#46
 Dibromomethane
 Concen: 51.064 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion: 93 Resp: 47247
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.2 99.4
 174 85.7 71.7 107.5





#47

Bromodichloromethane

Concen: 50.720 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

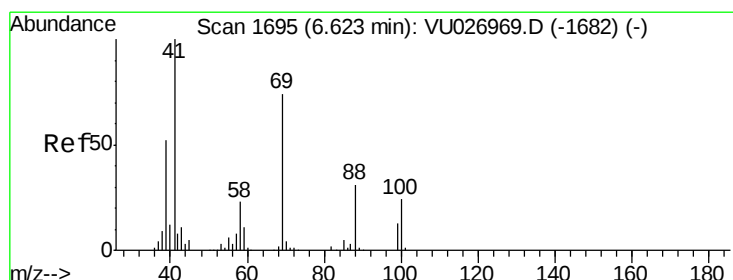
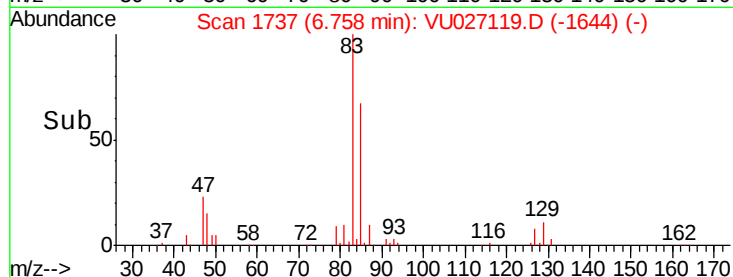
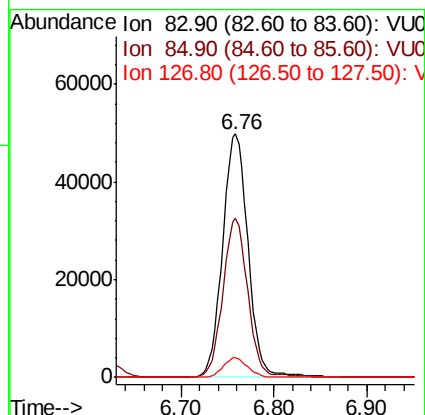
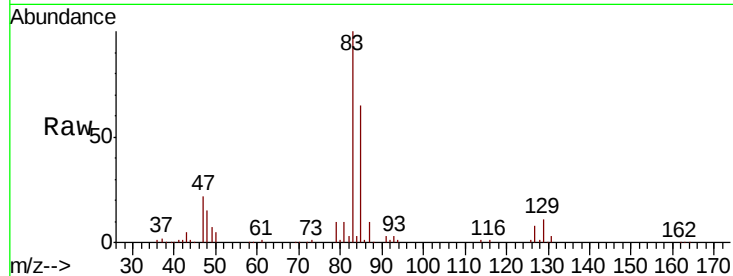
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	83	Resp:	94893
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7
127	8.1	6.3	9.5

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#48

Methyl methacrylate

Concen: 51.353 ug/l

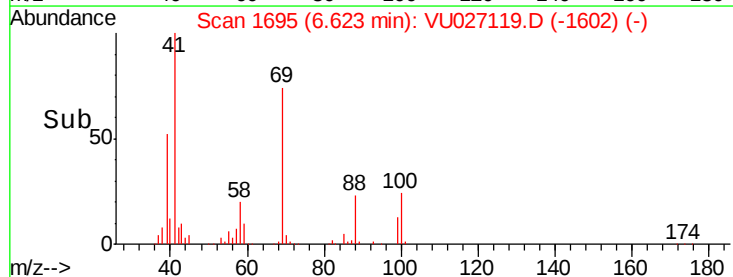
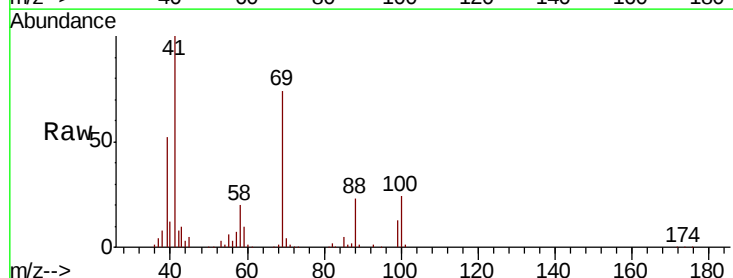
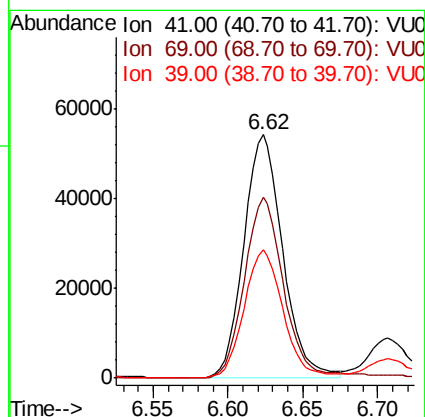
RT: 6.62 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	41	Resp:	97649
Ion	Ratio	Lower	Upper
41	100		
69	76.8	60.6	90.8
39	52.8	42.8	64.2





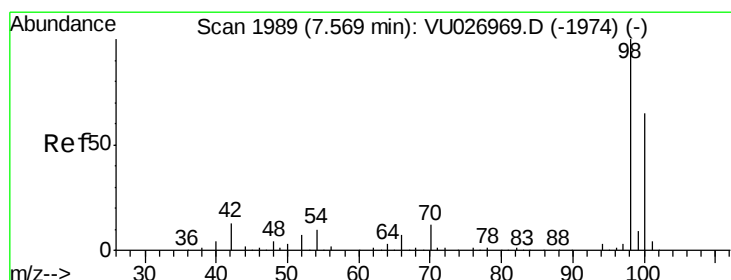
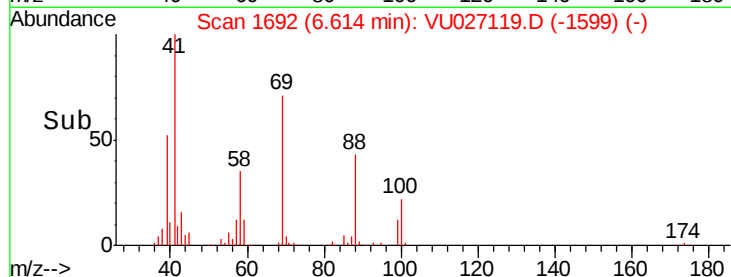
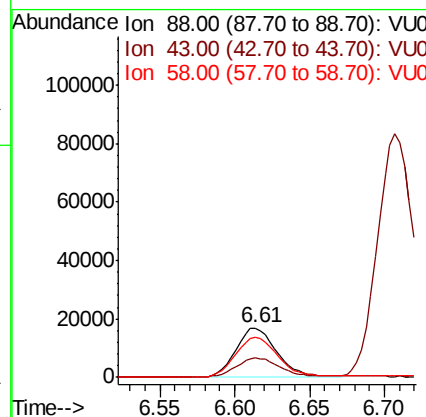
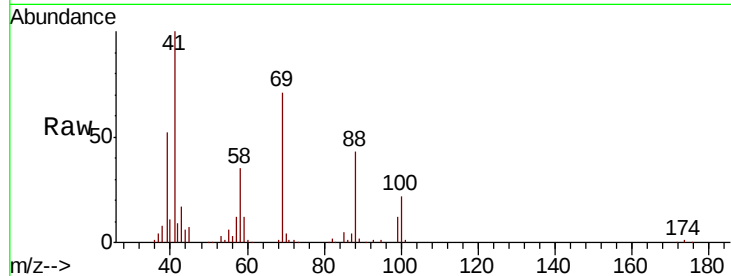
#49
1,4-Dioxane
Concen: 840.694 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	41.5	29.8	44.8	
58	86.6	63.9	95.9	

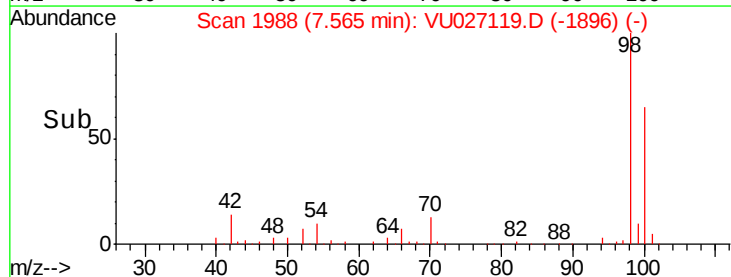
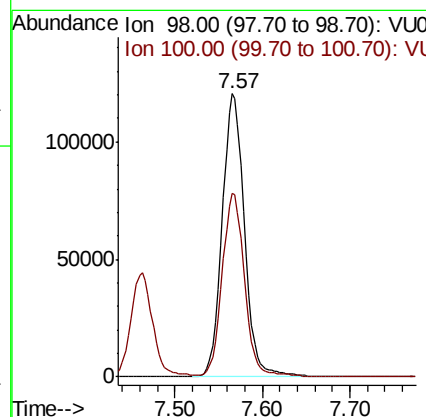
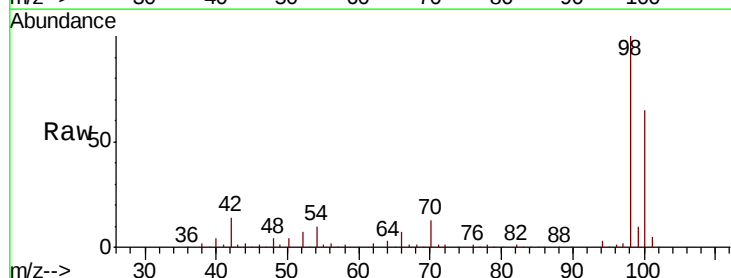
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#50
Toluene-d8
Concen: 48.662 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.5	52.1	78.1	





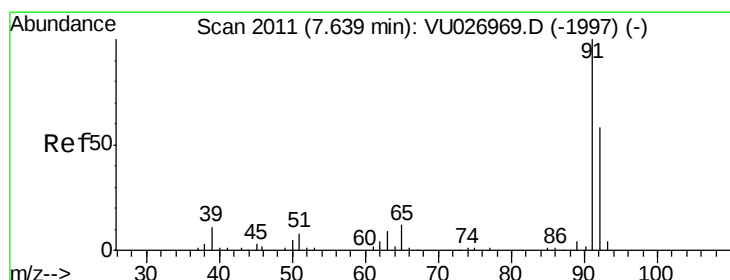
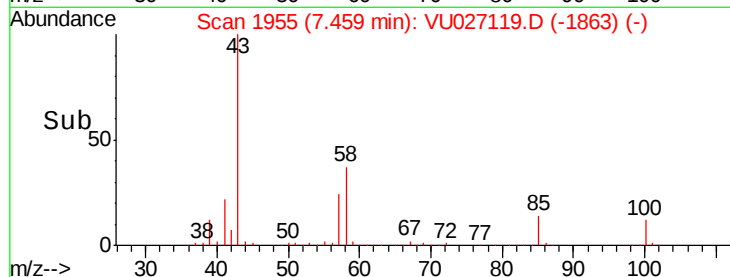
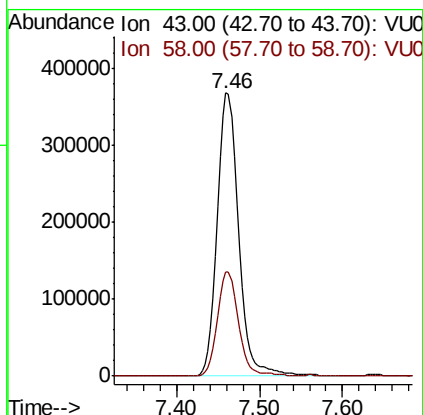
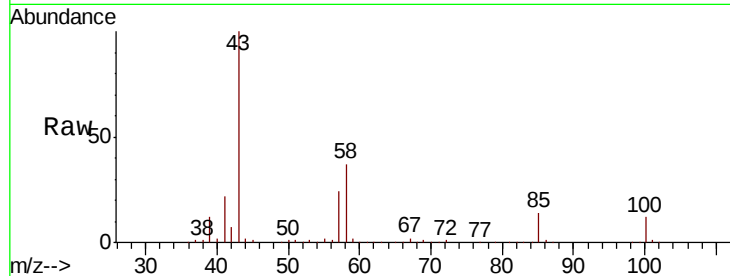
#51
4-Methyl-2-Pentanone
Concen: 279.999 ug/l
RT: 7.46 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.8	44.6

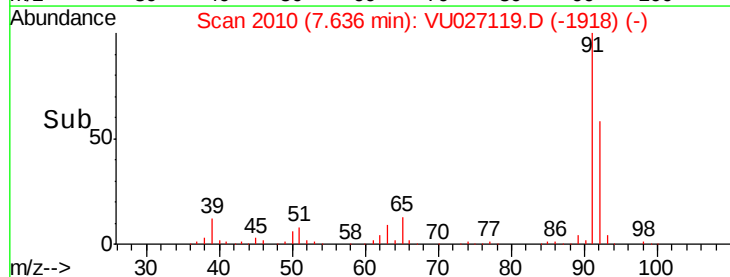
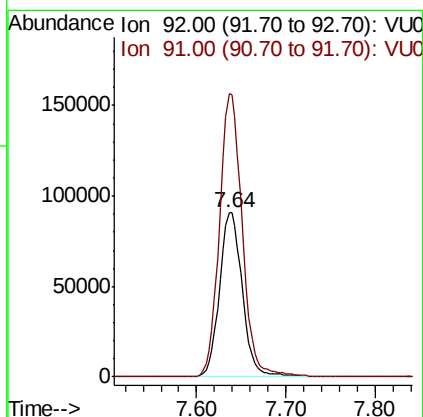
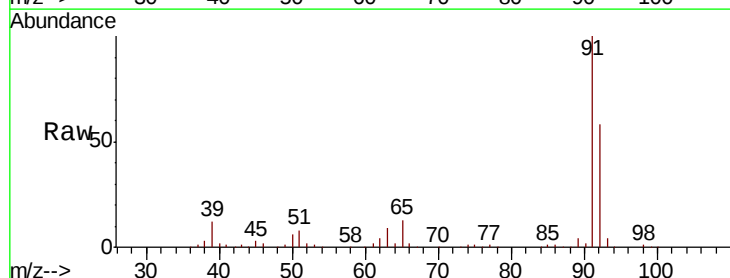
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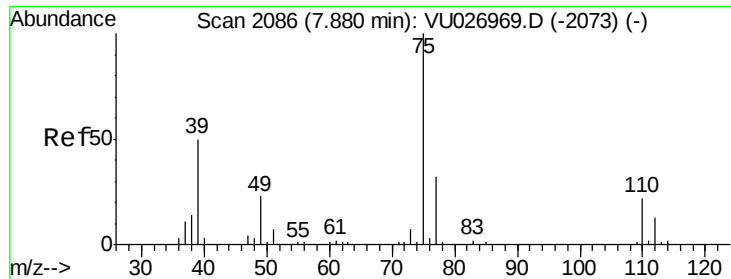
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#52
Toluene
Concen: 52.363 ug/l
RT: 7.64 min Scan# 2010
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.2	136.4	204.6





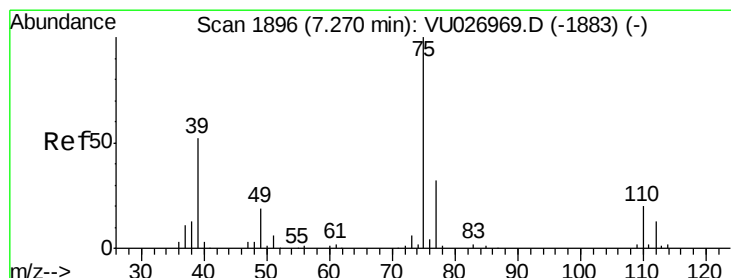
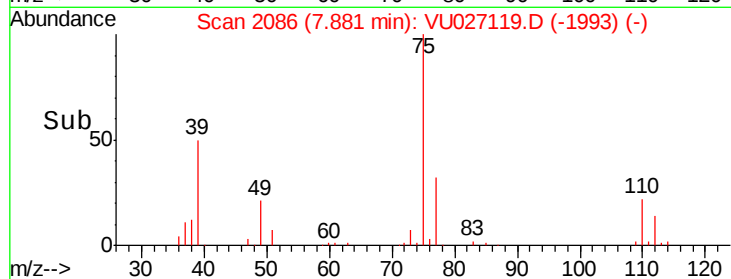
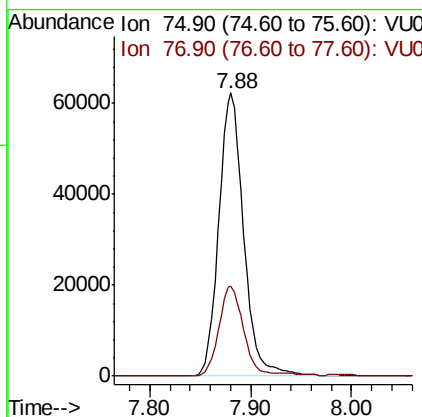
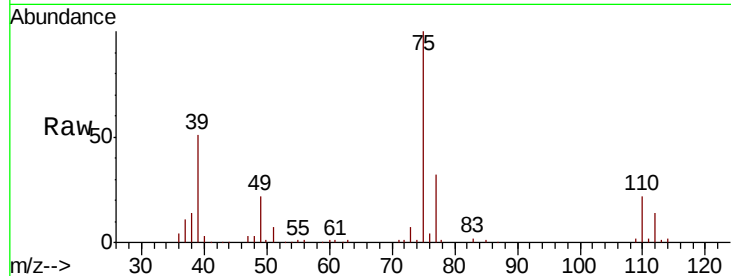
#53
 t-1,3-Dichloropropene
 Concen: 53.393 ug/l
 RT: 7.88 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion: 75 Resp: 107327
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.3 37.9

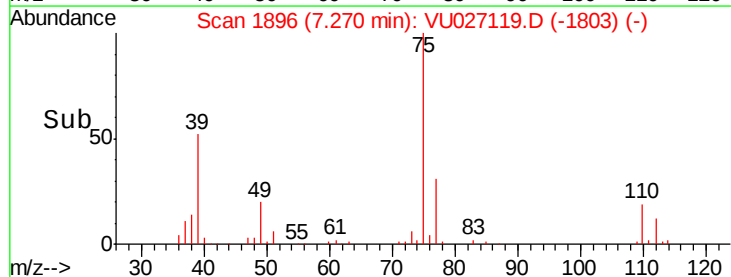
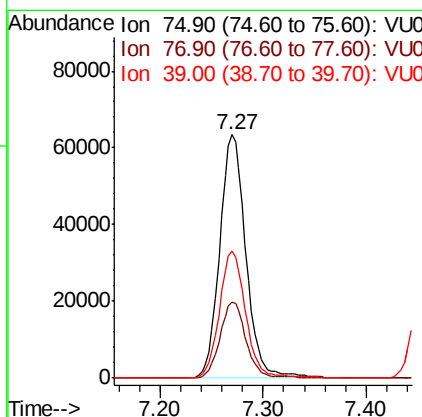
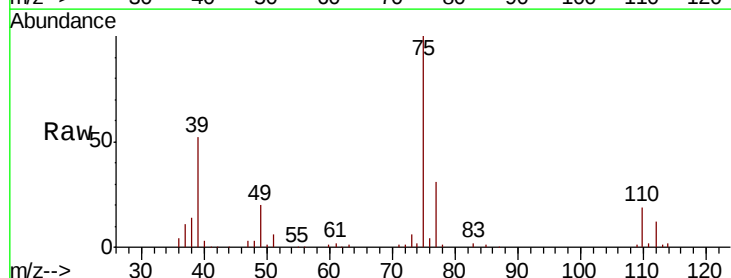
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#54
 cis-1,3-Dichloropropene
 Concen: 50.719 ug/l
 RT: 7.27 min Scan# 1896
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion: 75 Resp: 112098
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0
 39 51.8 41.6 62.4





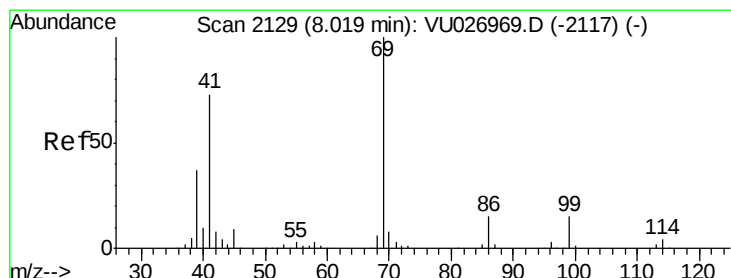
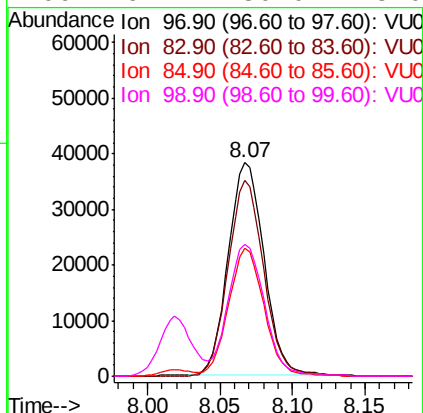
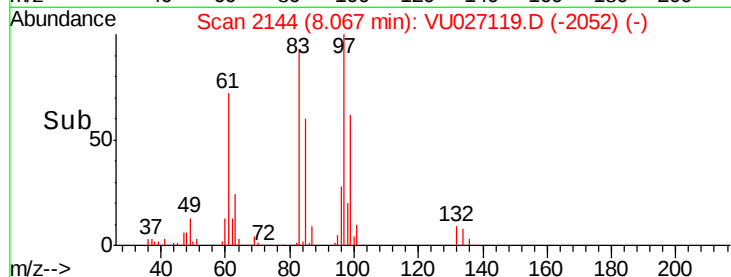
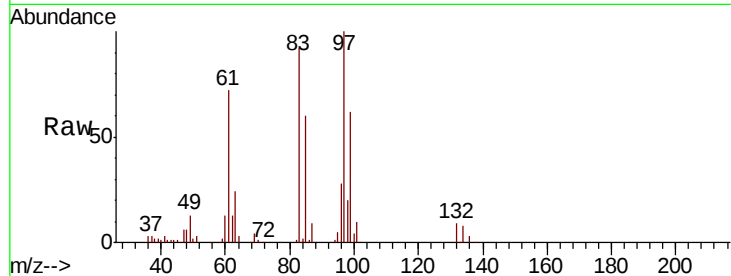
#55
 1,1,2-Trichloroethane
 Concen: 50.452 ug/l
 RT: 8.07 min Scan# 2144
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion:	97	Resp:	65884
Ion	Ratio	Lower	Upper
97	100		
83	91.9	73.1	109.7
85	59.6	46.7	70.1
99	61.4	50.0	75.0

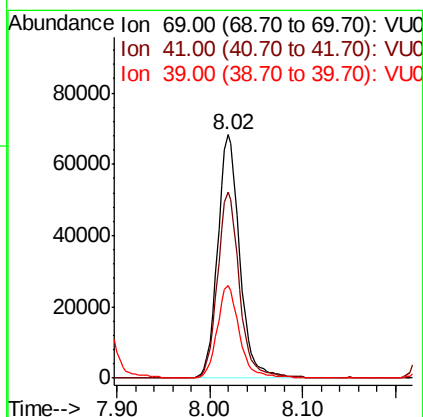
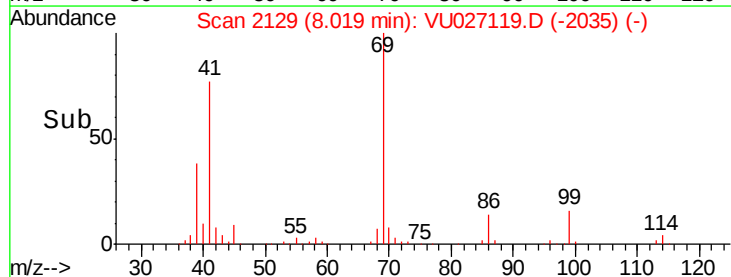
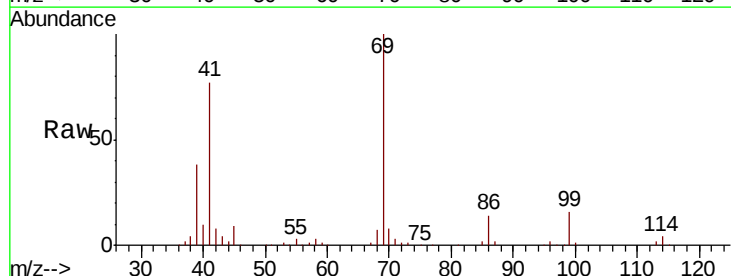
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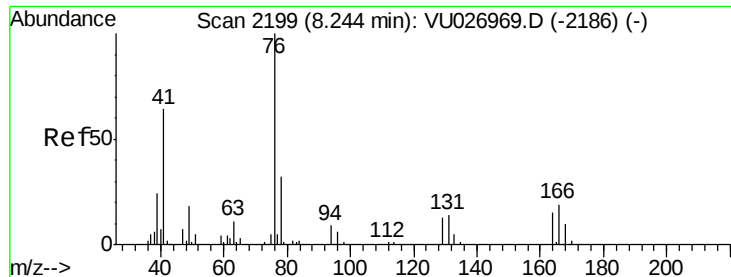
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#56
 Ethyl methacrylate
 Concen: 49.717 ug/l
 RT: 8.02 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion:	69	Resp:	112621
Ion	Ratio	Lower	Upper
69	100		
41	76.2	59.0	88.4
39	37.6	30.2	45.4





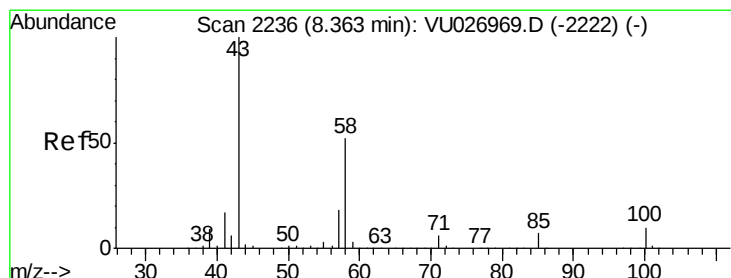
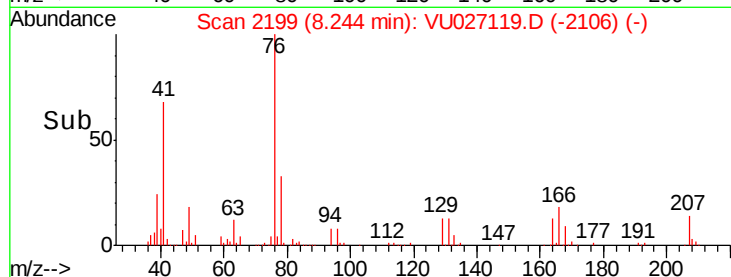
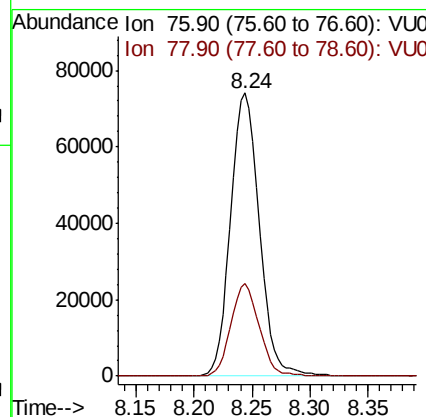
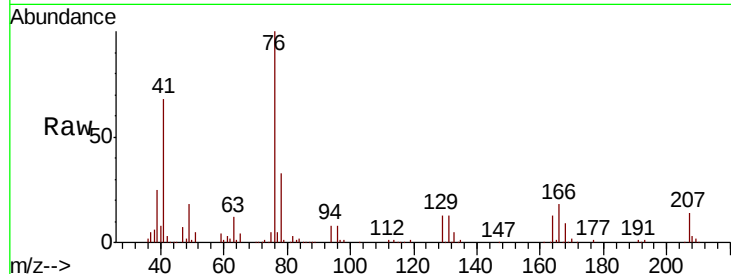
#57
 1,3-Dichloropropane
 Concen: 52.370 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

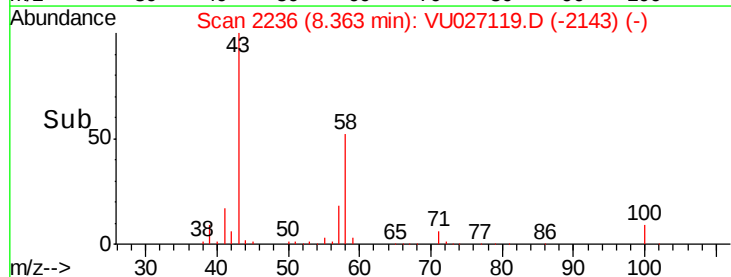
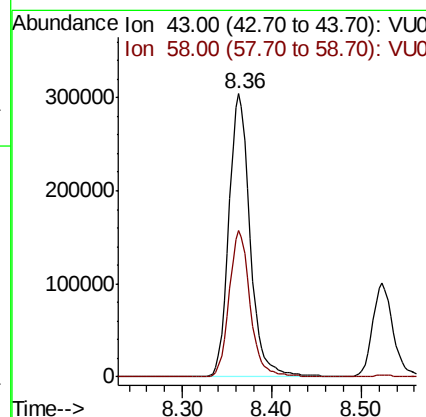
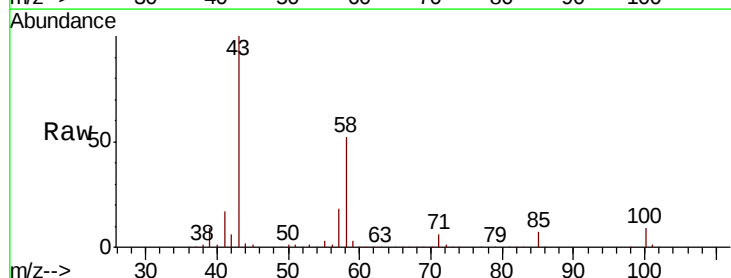
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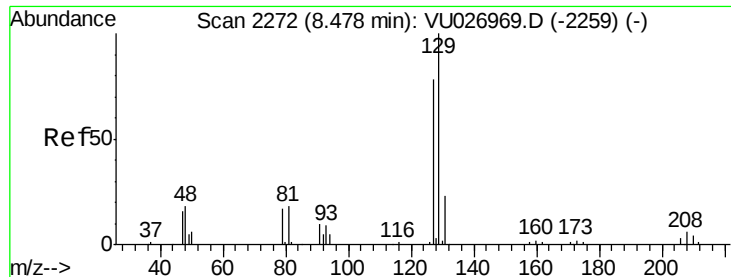
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#59
 2-Hexanone
 Concen: 272.249 ug/l
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.3	26.1	78.2





#60

Dibromochloromethane

Concen: 51.678 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:129 Resp: 66196

Ion Ratio Lower Upper

129 100

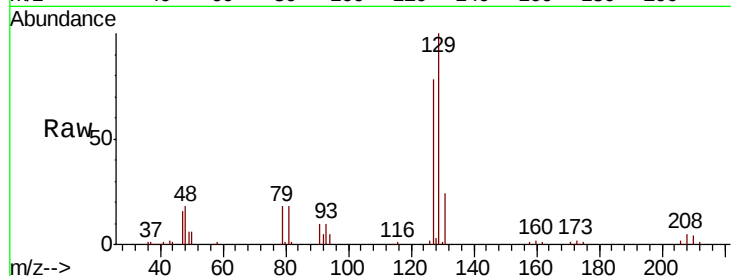
127 77.7 38.1 114.5

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.48

40000

30000

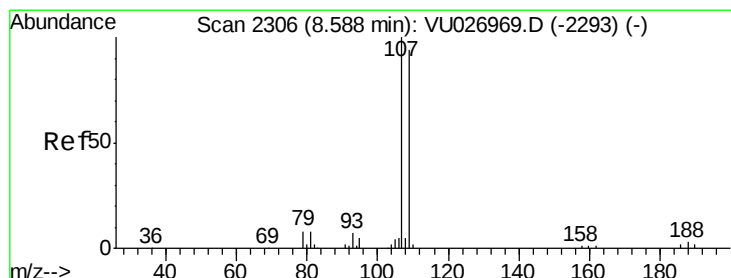
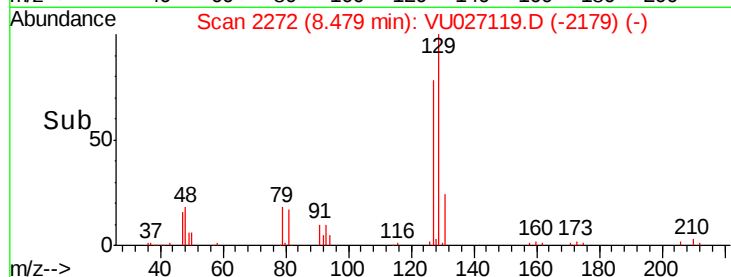
20000

10000

0

8.40 8.45 8.50 8.55

Time-->



#61

1,2-Dibromoethane

Concen: 50.708 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VU027119.D

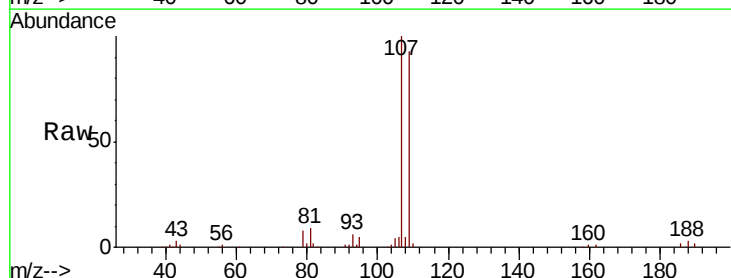
Acq: 24 Sep 2018 19:14

Tgt Ion:107 Resp: 68899

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.59

40000

30000

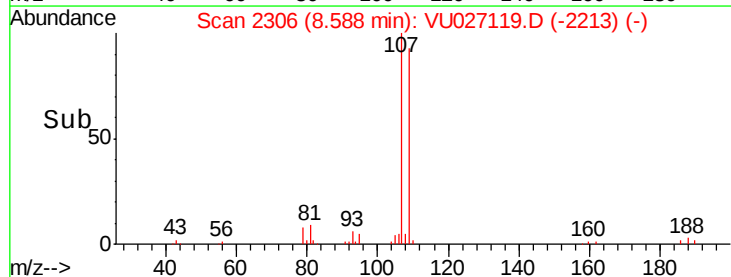
20000

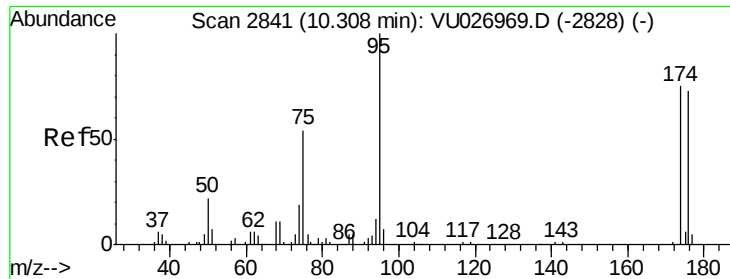
10000

0

8.50 8.55 8.60 8.65 8.70

Time-->





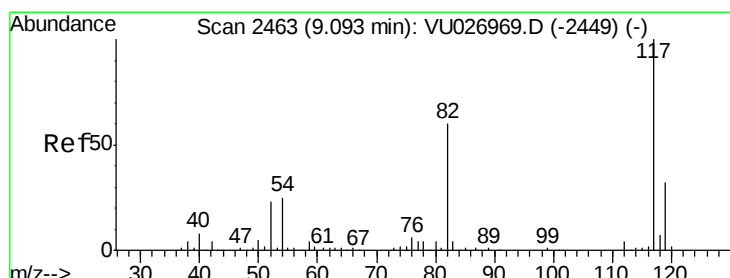
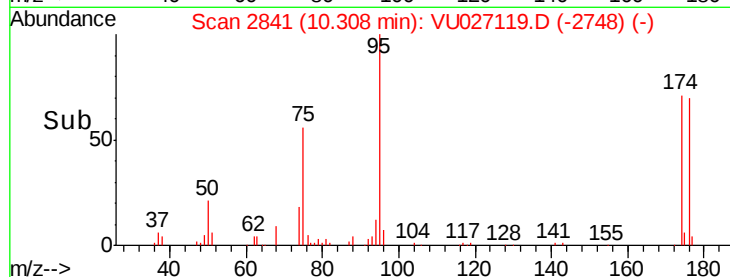
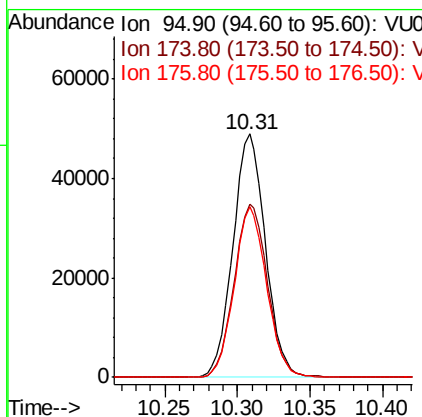
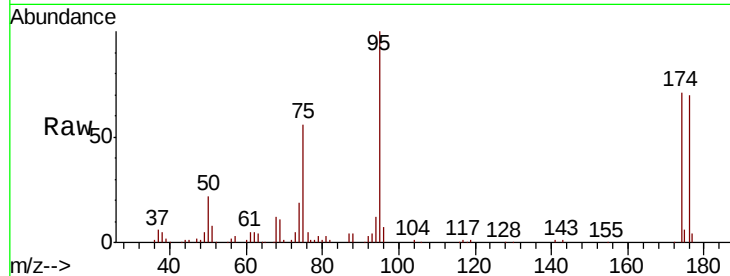
#62
4-Bromofluorobenzene
Concen: 50.626 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	76047		
174	73.2	0.0	150.2	
176	69.8	0.0	145.2	

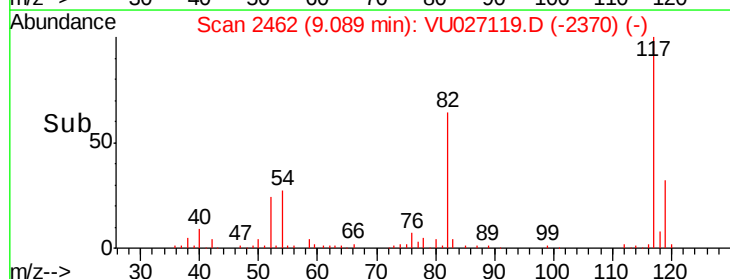
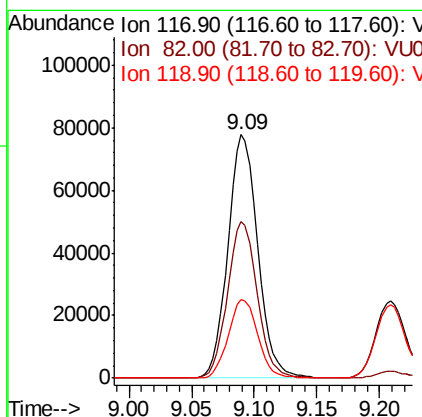
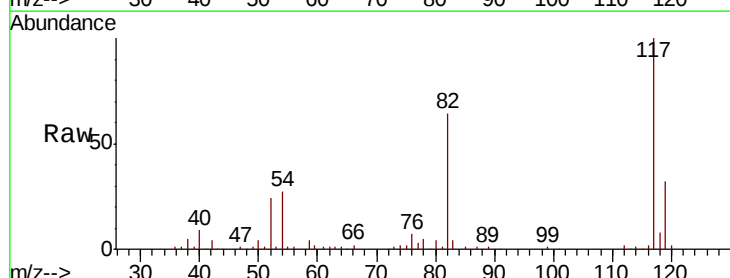
Manual Integrations
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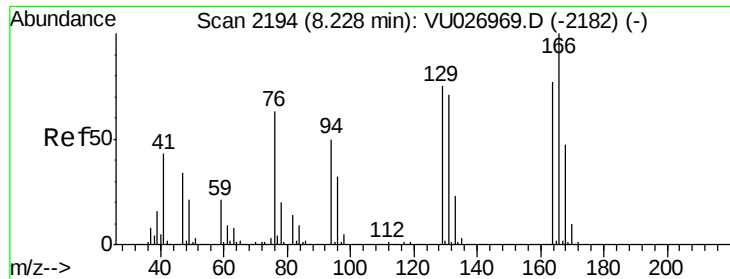
MMDadoda
9/25/2018 11:34:14 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	128681		
82	64.5	48.0	72.0	
119	32.4	25.8	38.8	





#64

Tetrachloroethene

Concen: 45.338 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:164 Resp: 44956

Ion Ratio Lower Upper

164 100

166 125.8 104.4 156.6

129 96.6 78.7 118.1

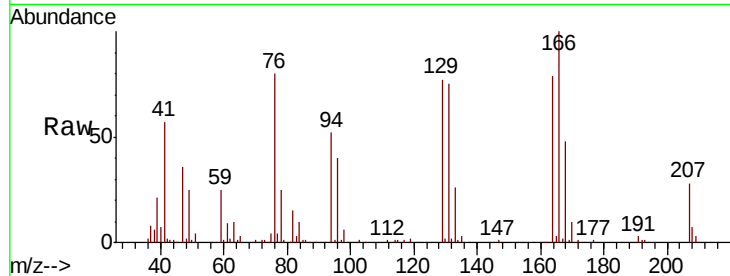
131 94.2 73.9 110.9

Manual Integrations

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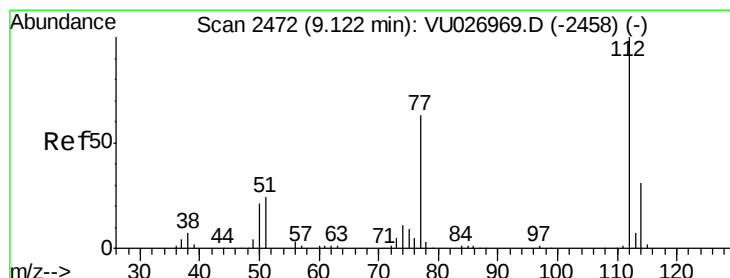
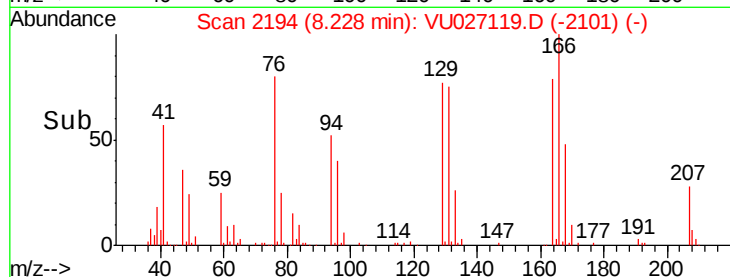
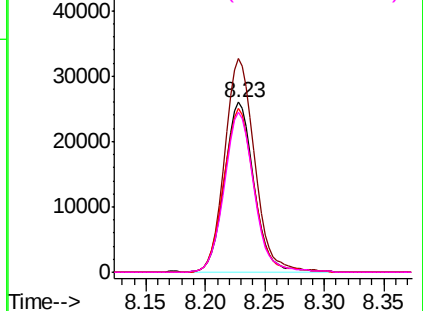
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 47.974 ug/l

RT: 9.12 min Scan# 2471

Delta R.T. -0.00 min

Lab File: VU027119.D

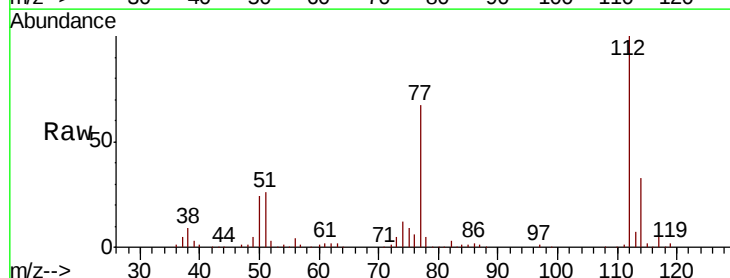
Acq: 24 Sep 2018 19:14

Tgt Ion:112 Resp: 163688

Ion Ratio Lower Upper

112 100

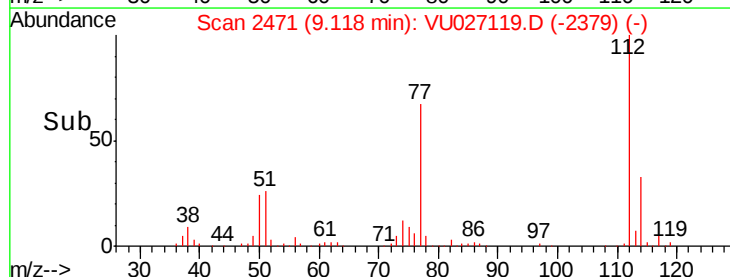
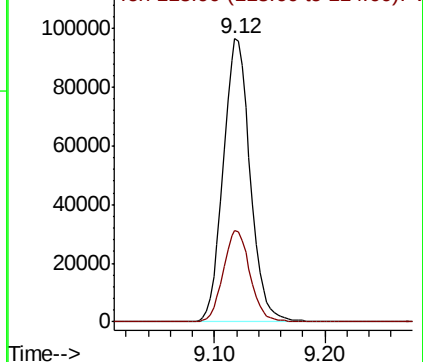
114 32.5 25.0 37.6

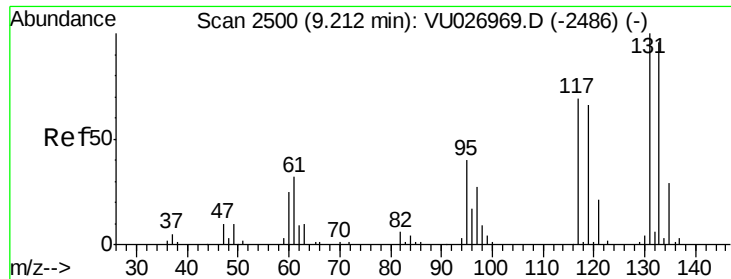


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





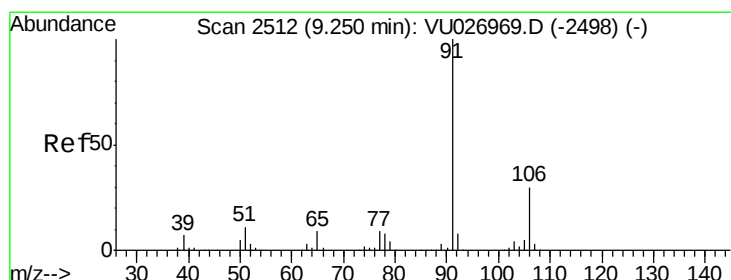
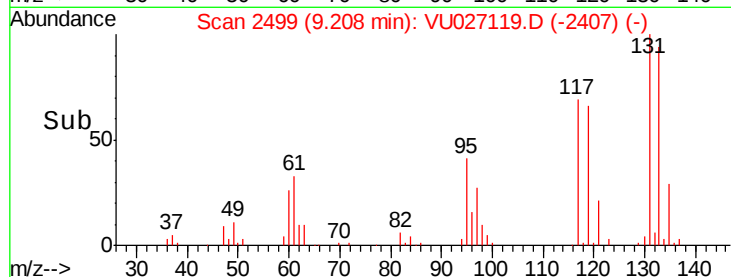
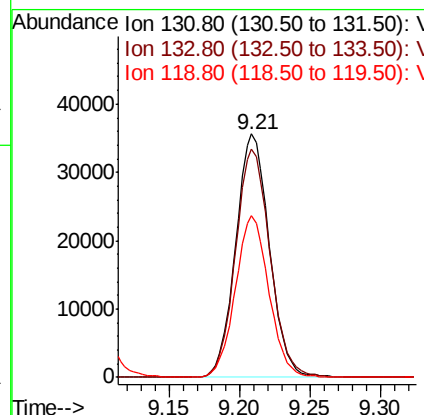
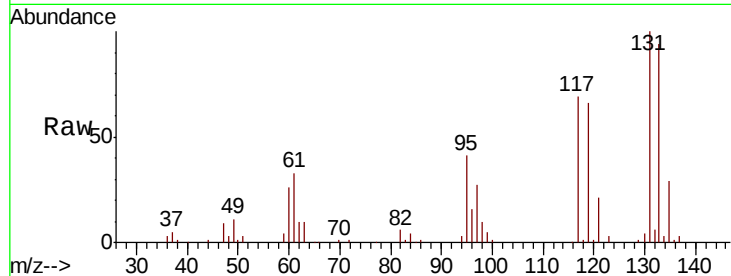
#66
 1,1,1,2-Tetrachloroethane
 Concen: 50.793 ug/l
 RT: 9.21 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.0	144.2
119	66.2	33.4	100.1

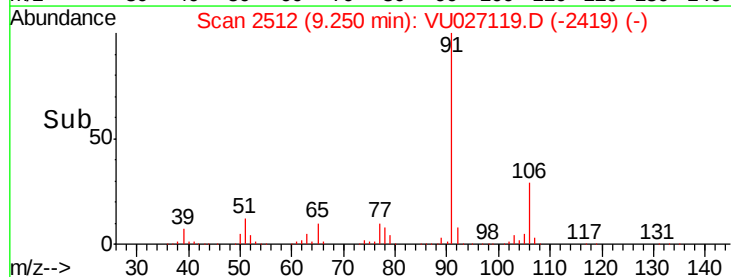
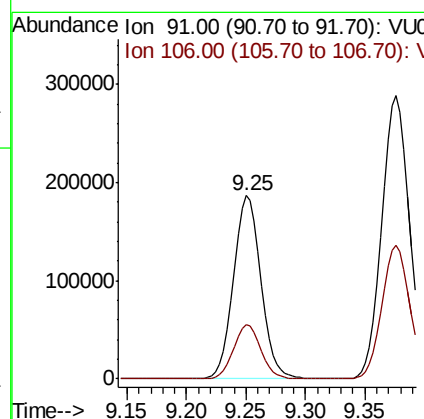
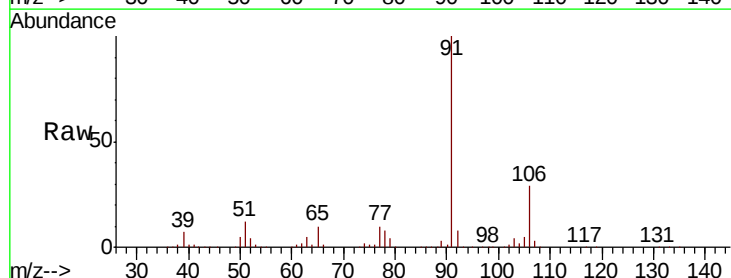
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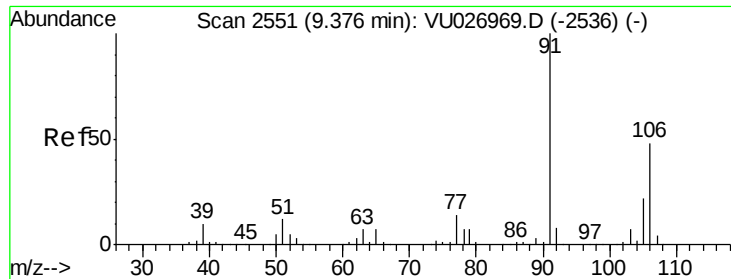
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#67
 Ethyl Benzene
 Concen: 53.269 ug/l
 RT: 9.25 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	23.8	35.8





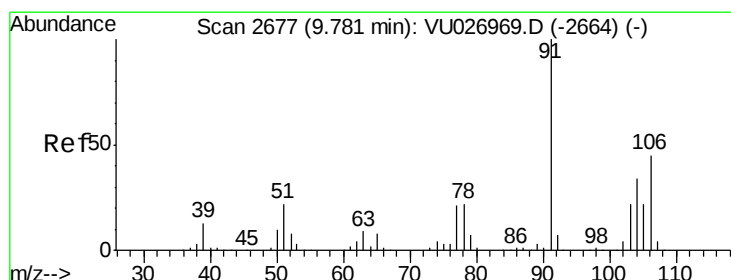
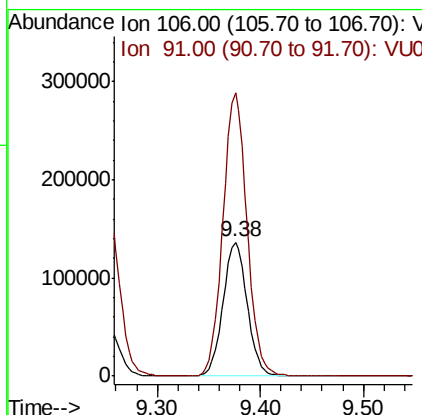
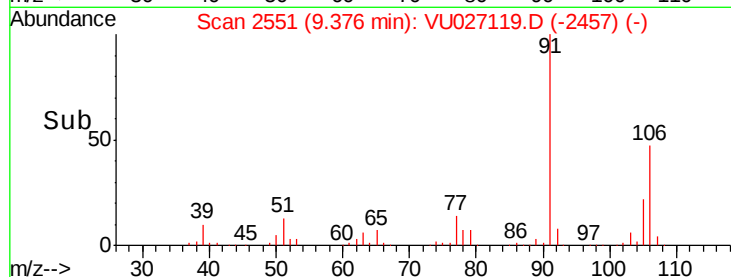
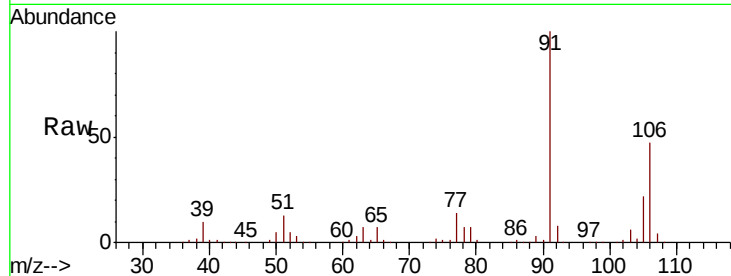
#68
m/p-Xylenes
Concen: 98.144 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion:106 Resp: 222941
Ion Ratio Lower Upper
106 100
91 209.8 166.5 249.7

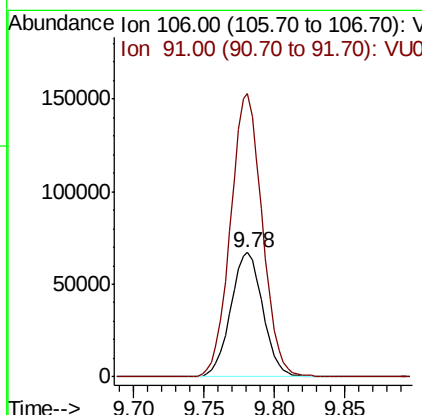
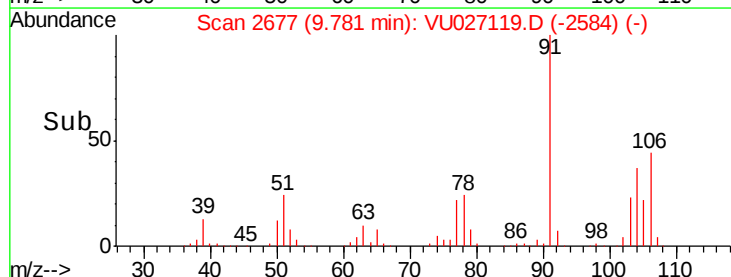
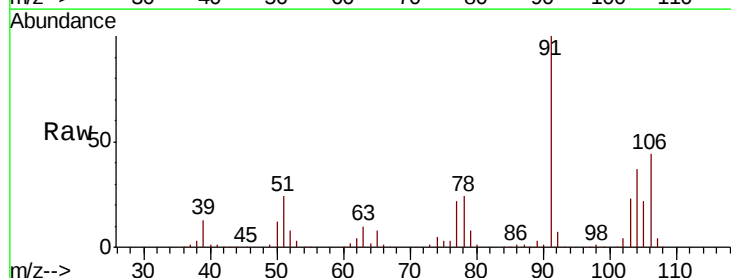
Manual Integrations
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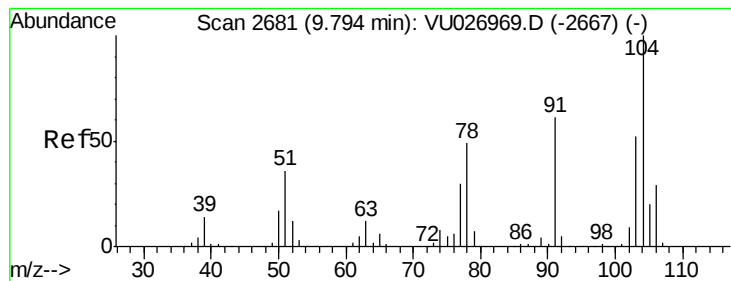
MMDadoda
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#69
o-Xylene
Concen: 53.919 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion:106 Resp: 107187
Ion Ratio Lower Upper
106 100
91 224.8 110.2 330.6





#70

Stvrene

Concen: 48.168 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

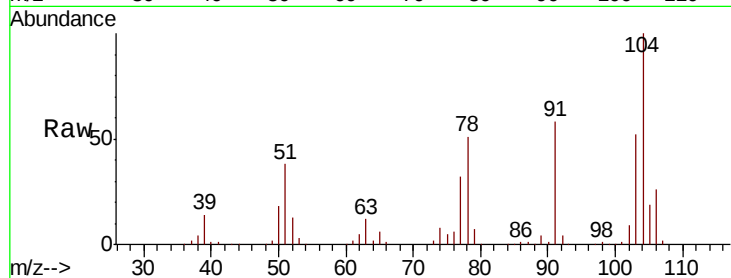
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	104	Resp:	178533
Ion Ratio	Lower	Upper	
104	100		
78	55.1	43.0	64.4
103	55.7	44.1	66.1

Manual Integrations
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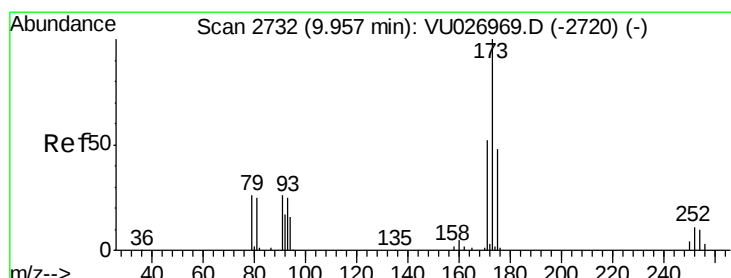
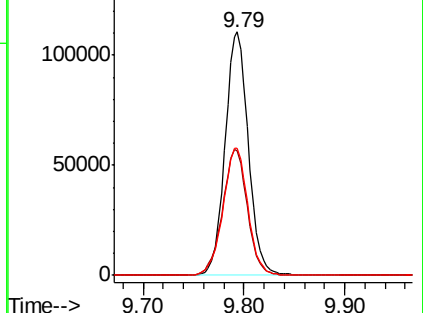
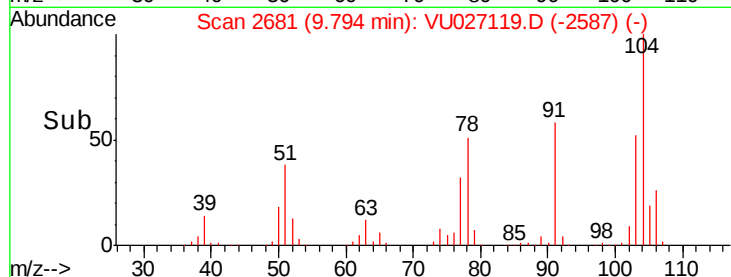
MMDadoda
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 51.658 ug/l

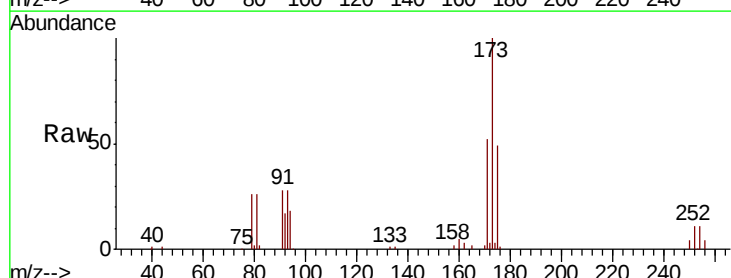
RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

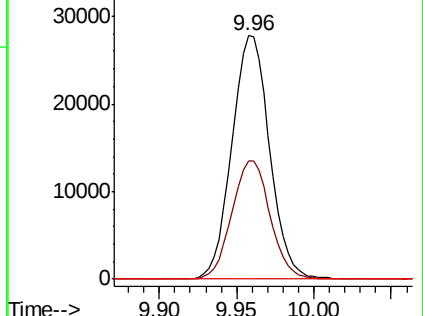
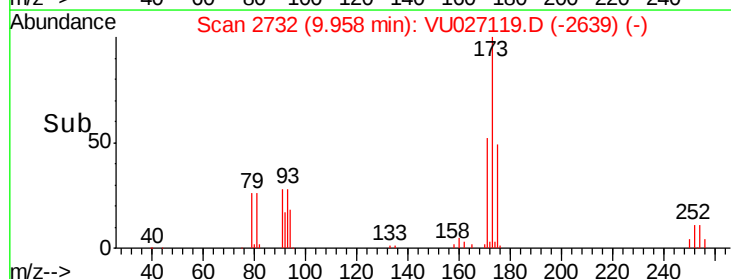
Tgt Ion:	173	Resp:	46947
Ion Ratio	Lower	Upper	
173	100		
175	49.3	23.9	71.8
254	0.0	0.0	0.0

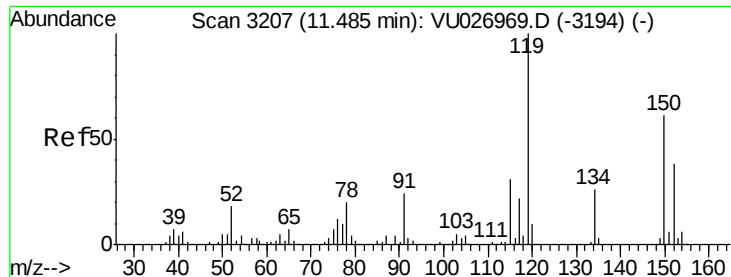


Abundance Ion 172.70 (172.40 to 173.40): V

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: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:152 Resp: 72024

Ion Ratio Lower Upper

152 100

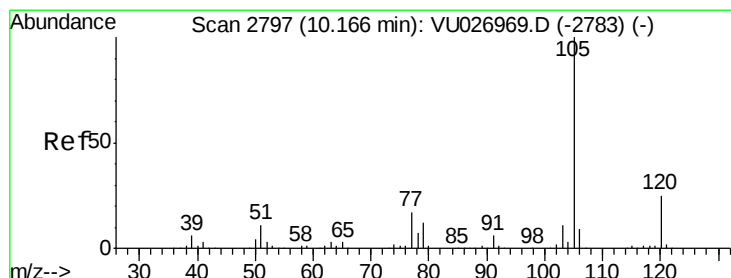
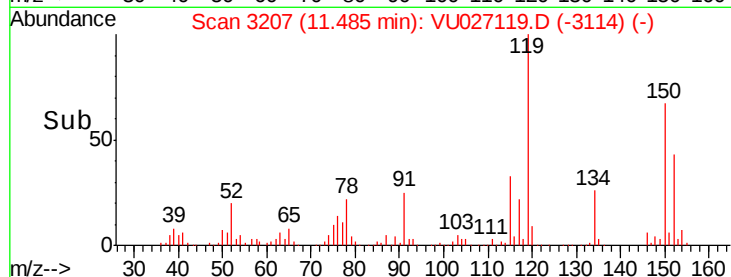
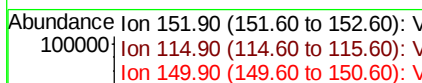
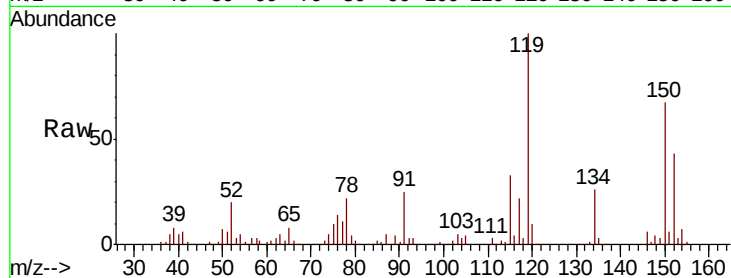
115 87.5 44.9 134.5

150 172.7 0.0 355.8

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#73

Isopropylbenzene

Concen: 52.943 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027119.D

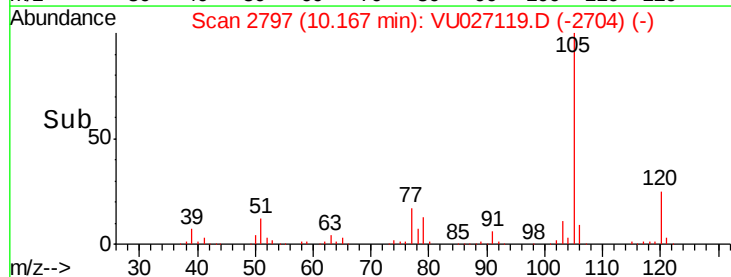
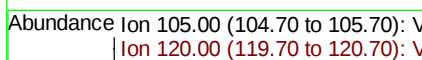
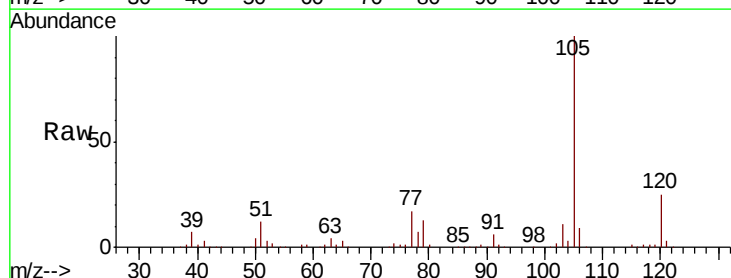
Acq: 24 Sep 2018 19:14

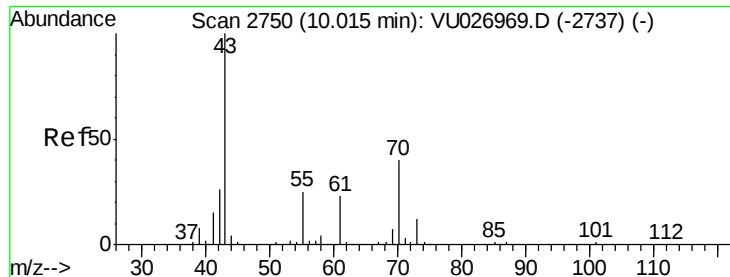
Tgt Ion:105 Resp: 290062

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.4





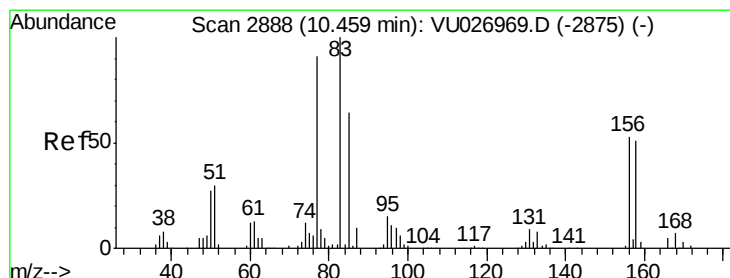
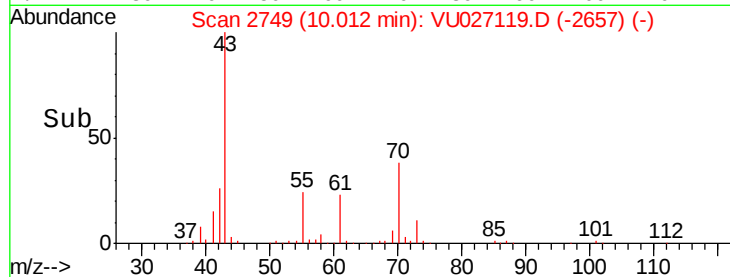
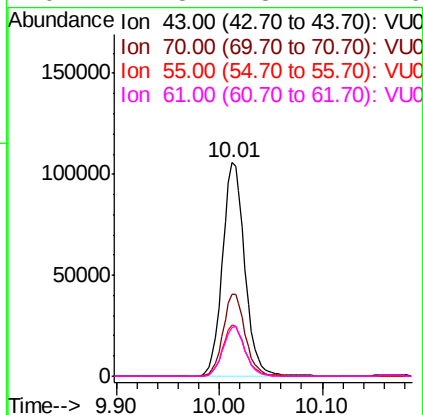
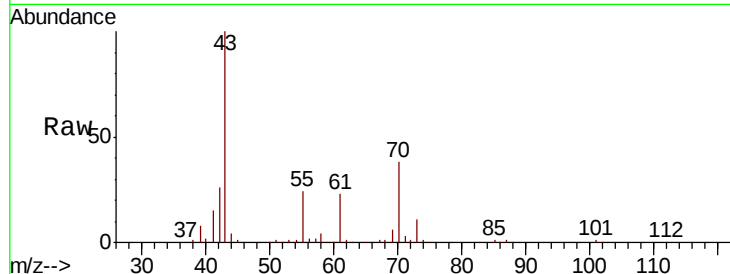
#74
N-amvl acetate
Concen: 50.307 ug/l
RT: 10.01 min Scan# 2749
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion:	43	Resp:	159543
Ion	Ratio	Lower	Upper
43	100		
70	38.1	31.8	47.8
55	24.1	19.9	29.9
61	22.8	18.4	27.6

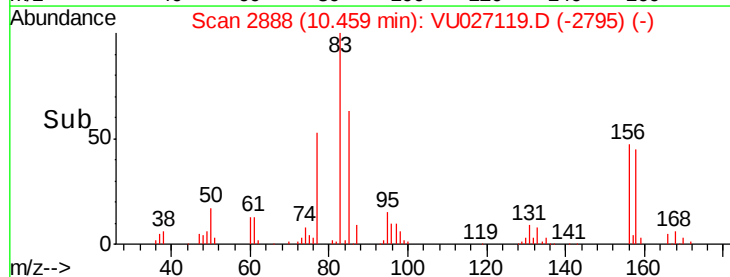
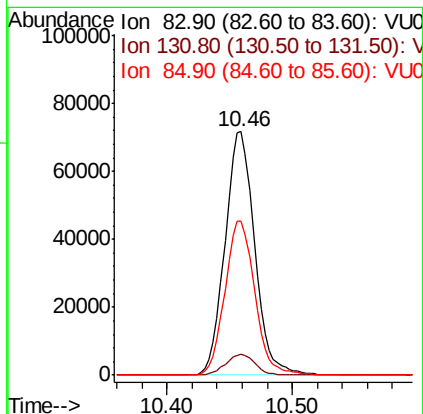
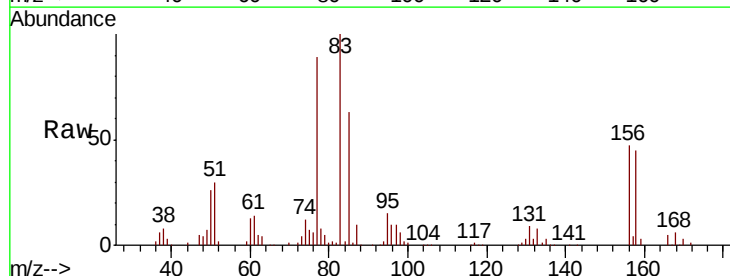
Manual Integrations
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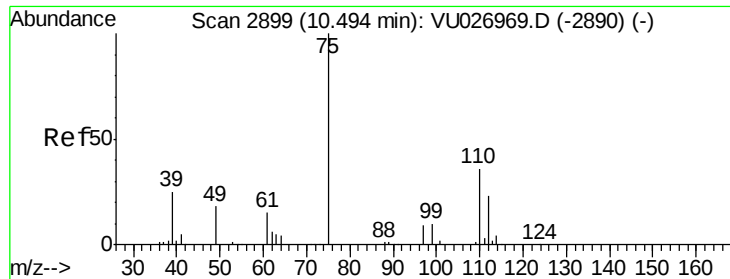
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#75
1,1,2,2-Tetrachloroethane
Concen: 46.777 ug/l
RT: 10.46 min Scan# 2888
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion:	83	Resp:	117832
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	63.8	31.9	95.7





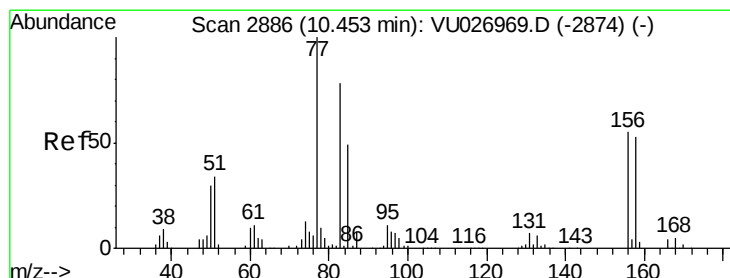
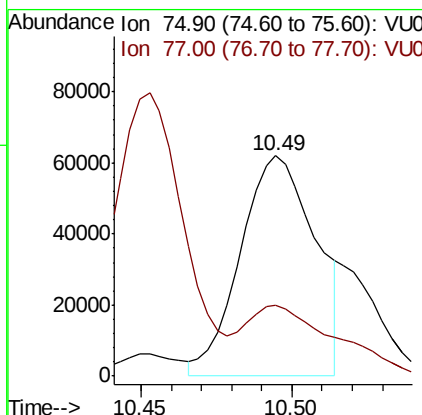
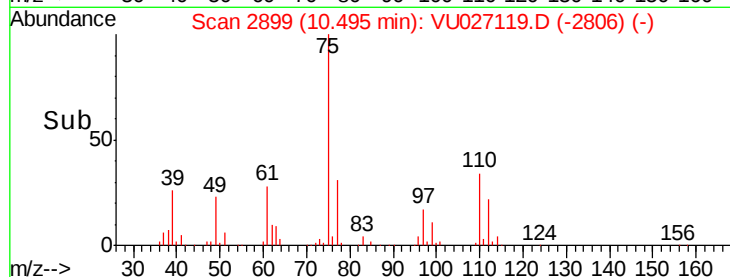
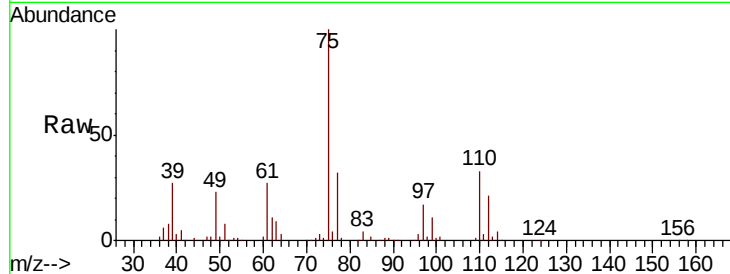
#76
 1,2,3-Trichloropropane
 Concen: 48.999 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion: 75 Resp: 107214
 Ion Ratio Lower Upper
 75 100
 77 39.6 20.9 62.8

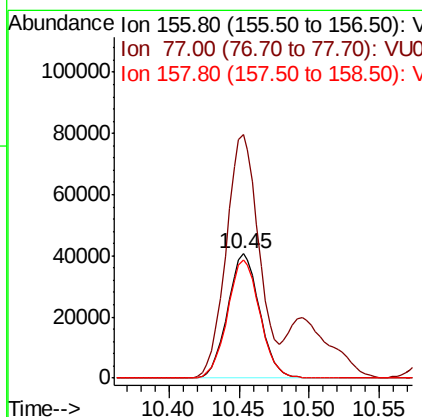
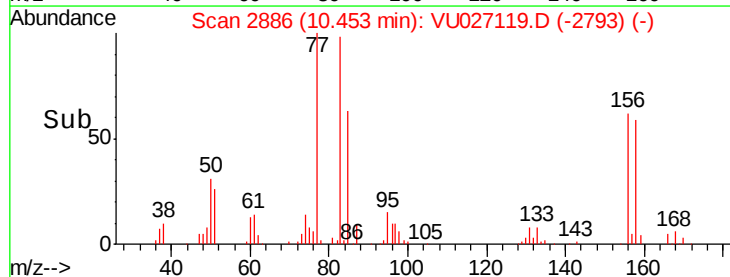
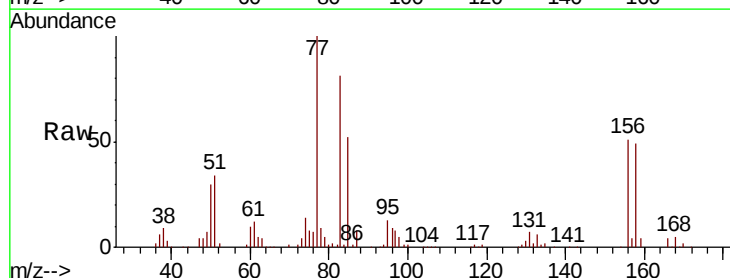
Manual Integrations
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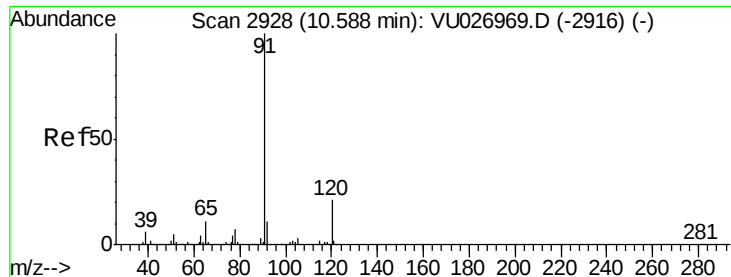
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 9/25/2018 11:34:14 AM



#77
 Bromobenzene
 Concen: 48.357 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion: 156 Resp: 64743
 Ion Ratio Lower Upper
 156 100
 77 200.3 92.3 276.9
 158 96.0 48.1 144.3





#78

n-propylbenzene

Concen: 54.017 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion: 91 Resp: 350172

Ion Ratio Lower Upper

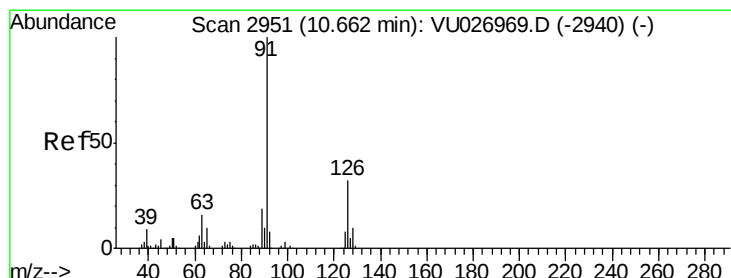
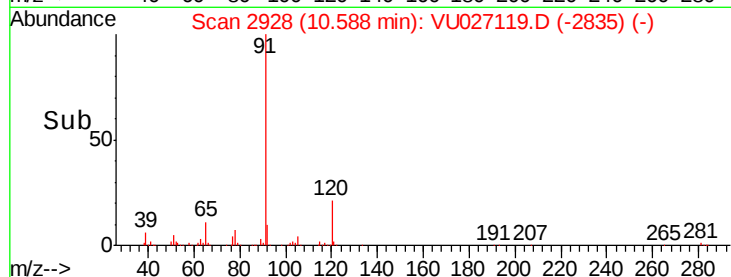
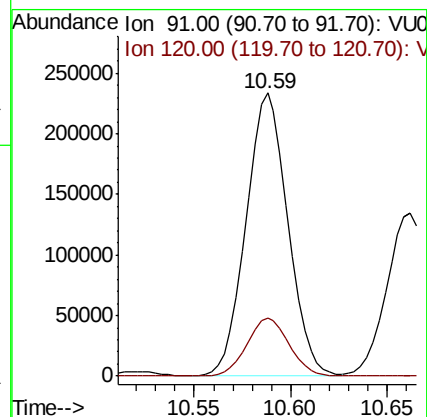
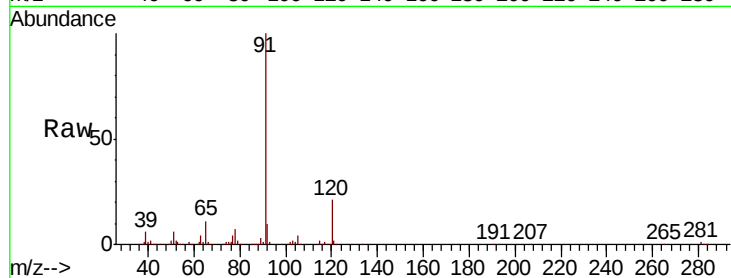
91 100

120 20.7 10.6 31.8

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#79

2-Chlorotoluene

Concen: 51.620 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027119.D

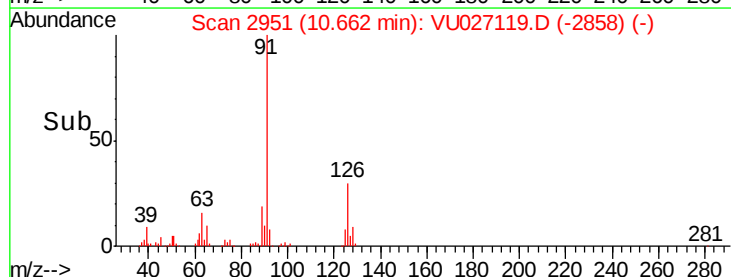
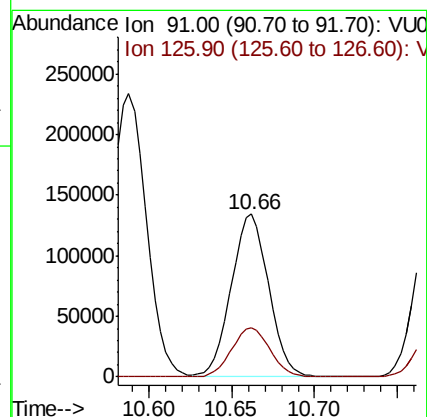
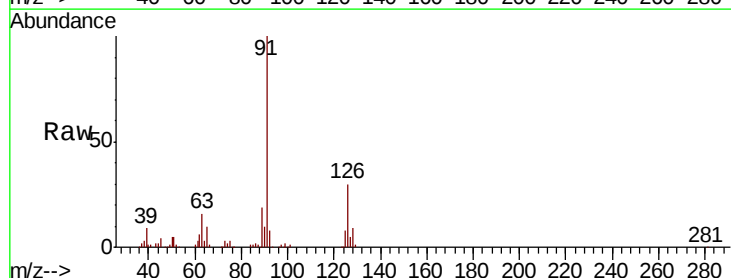
Acq: 24 Sep 2018 19:14

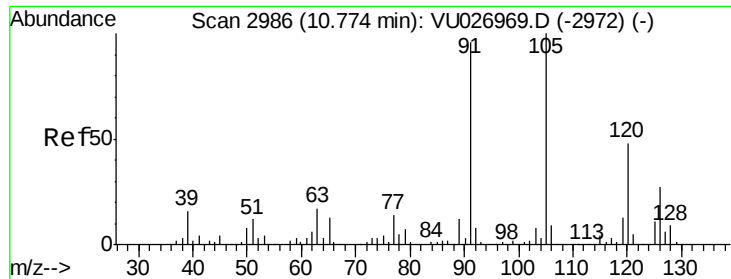
Tgt Ion: 91 Resp: 210192

Ion Ratio Lower Upper

91 100

126 30.5 15.8 47.3





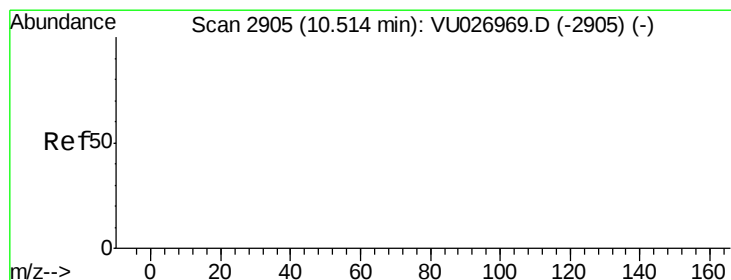
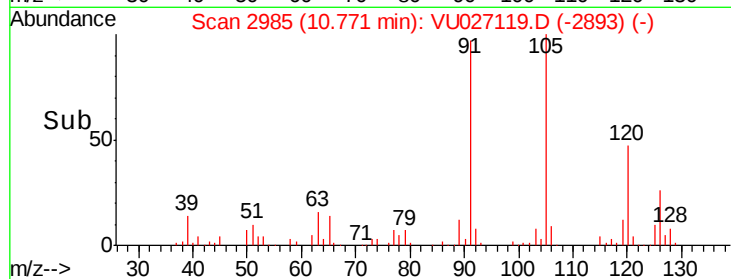
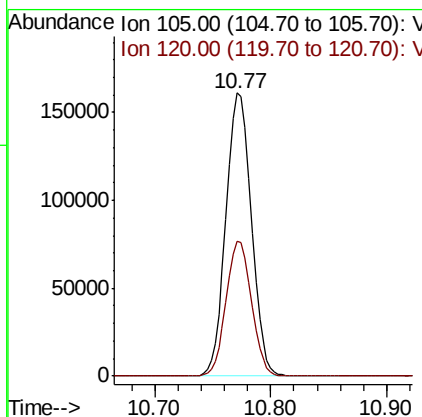
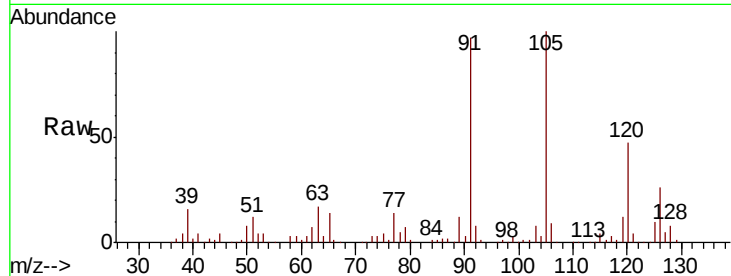
#80
 1,3,5-Trimethylbenzene
 Concen: 54.044 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion: 105 Resp: 244419
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.9 71.7

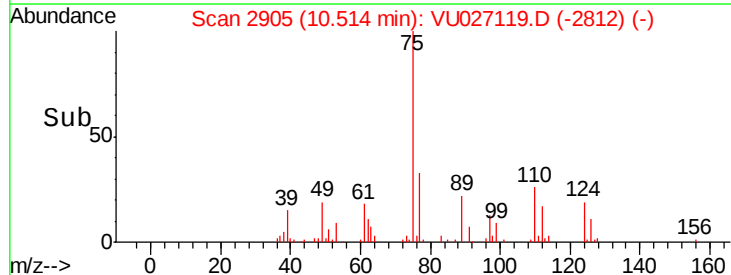
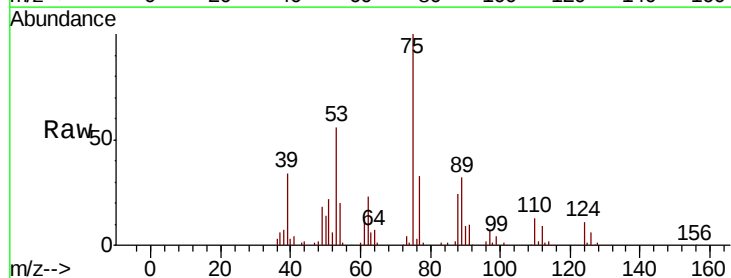
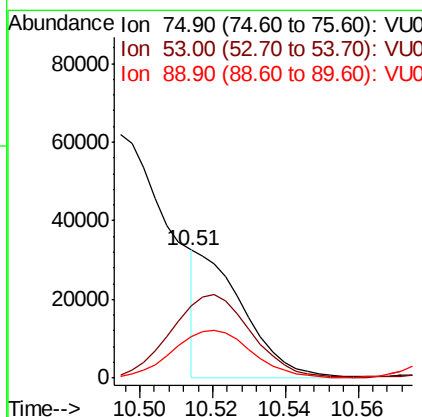
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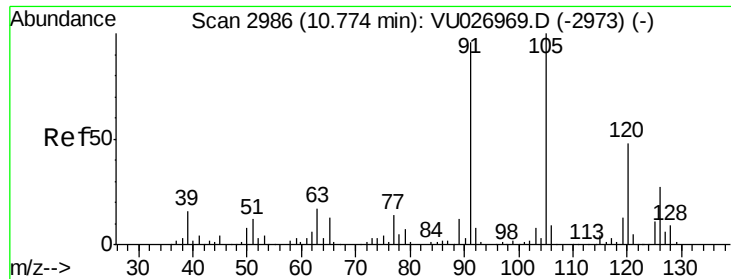
MMDadoda
 9/25/2018 11:34:14 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 42.344 ug/l m
 RT: 10.51 min Scan# 2905
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion: 75 Resp: 28952
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





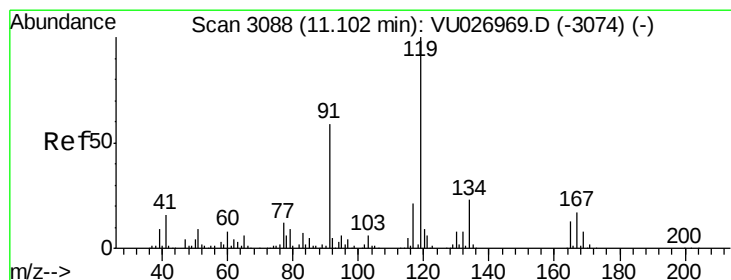
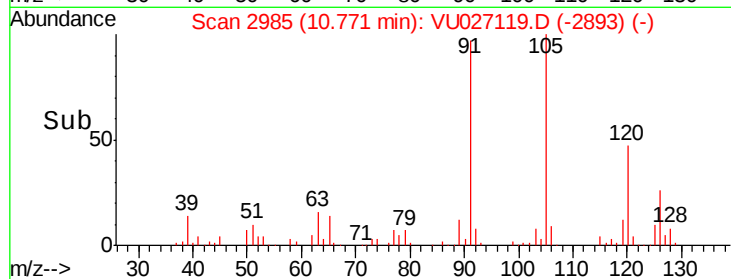
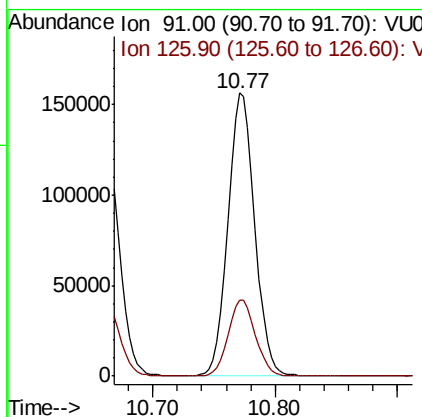
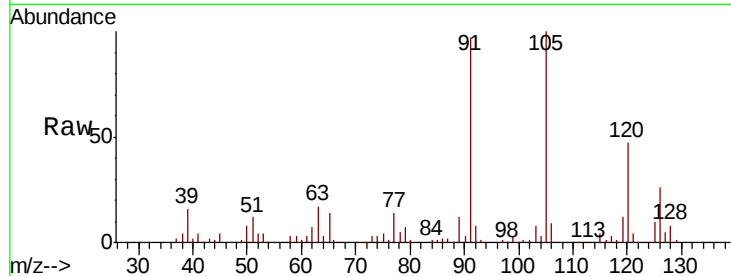
#82
4-Chlorotoluene
Concen: 52.296 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.4	14.1	42.2

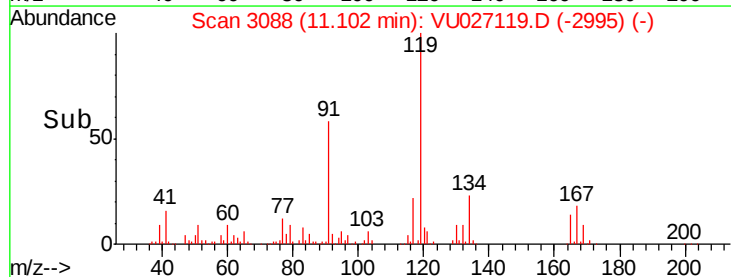
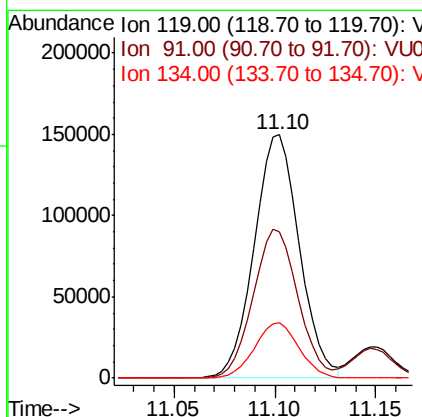
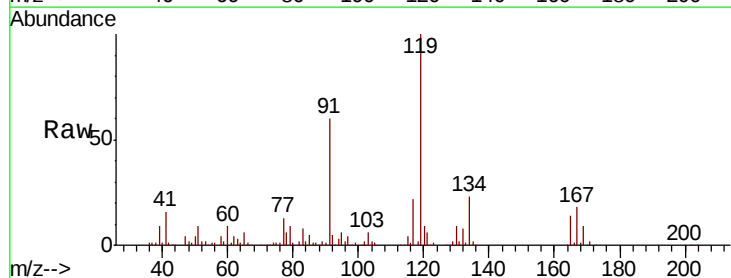
Manual Integrations
APPROVED

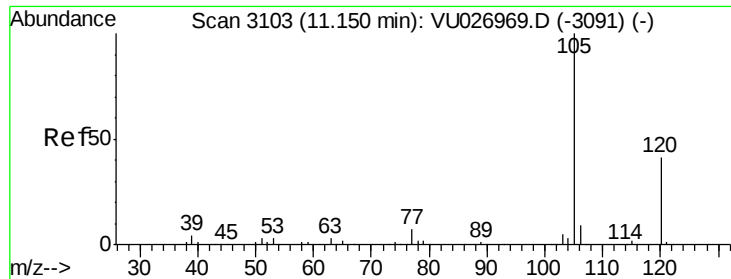
MMDadoda
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#83
tert-Butylbenzene
Concen: 52.464 ug/l
RT: 11.10 min Scan# 3088
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
119	100		
91	60.7	29.8	89.4
134	22.4	11.5	34.4





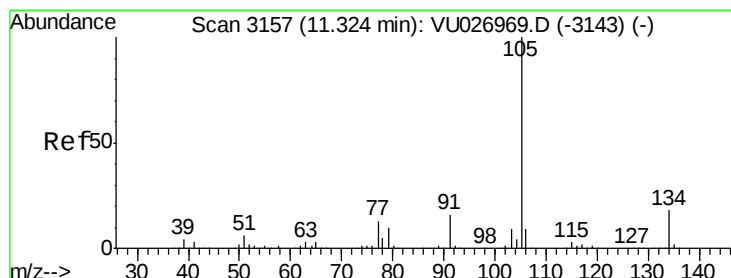
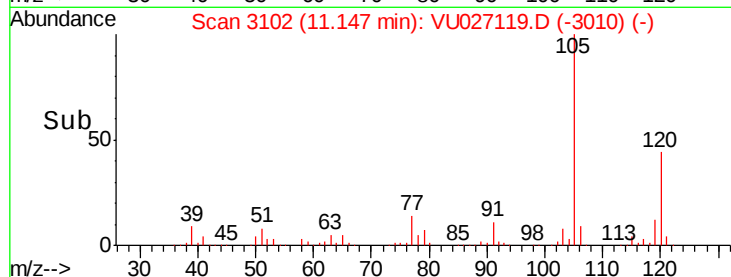
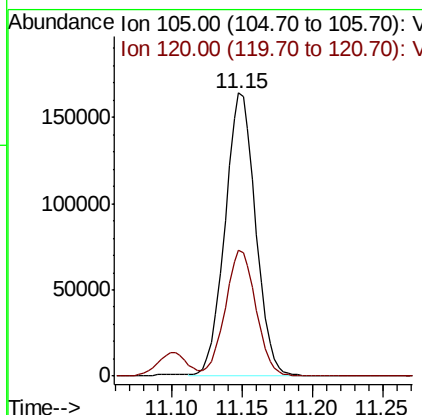
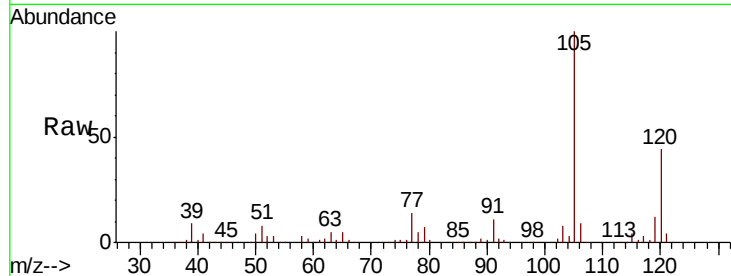
#84
1,2,4-Trimethylbenzene
Concen: 53.799 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.2

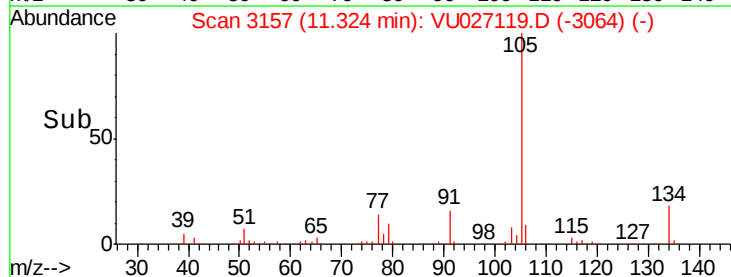
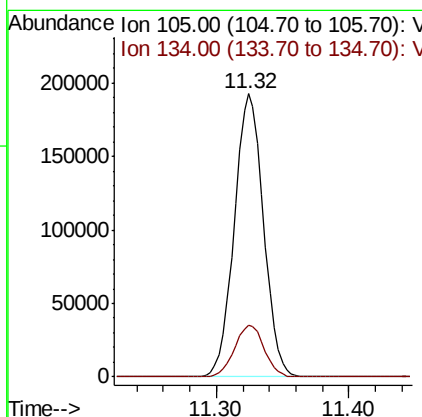
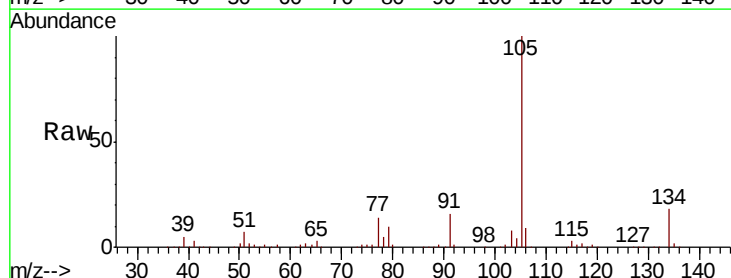
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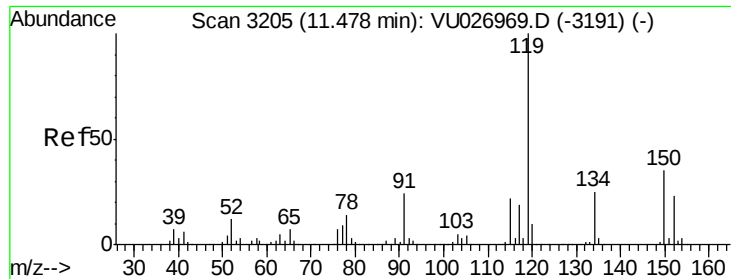
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#85
sec-Butylbenzene
Concen: 53.673 ug/l
RT: 11.32 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.5	9.4	28.2





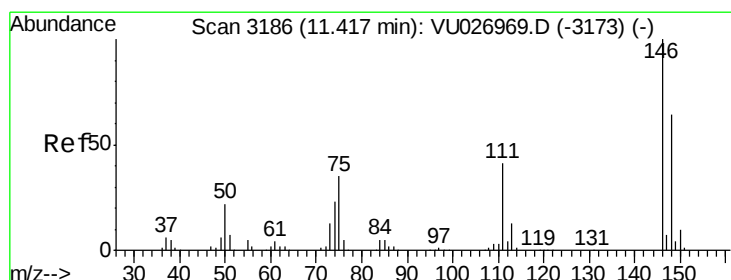
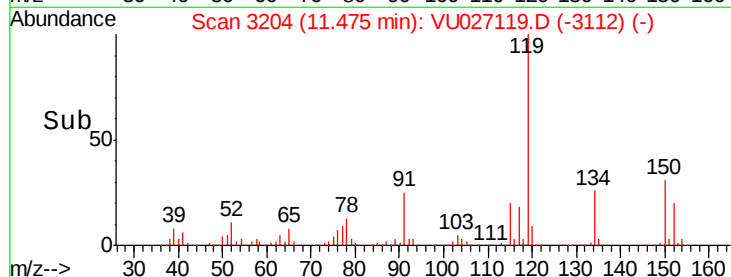
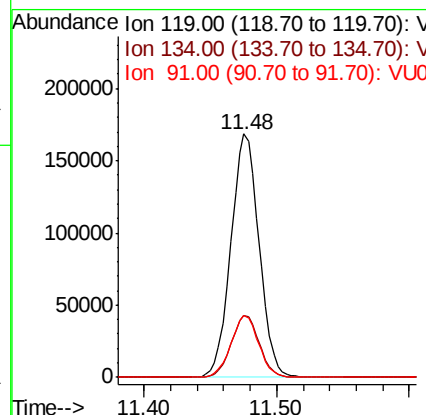
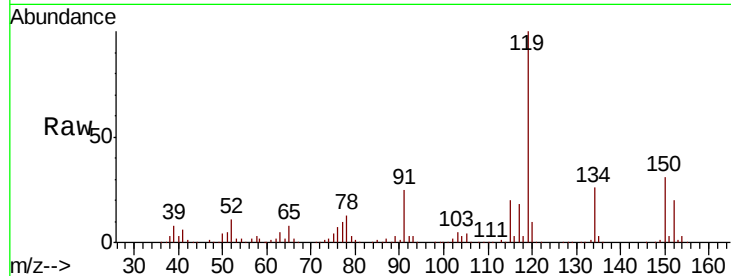
#86
p-Isopropyltoluene
Concen: 48.446 ug/l
RT: 11.48 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	247967		
134	25.3	12.8	38.3	
91	24.9	12.3	36.8	

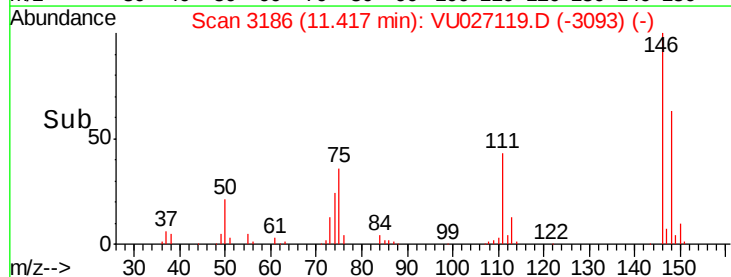
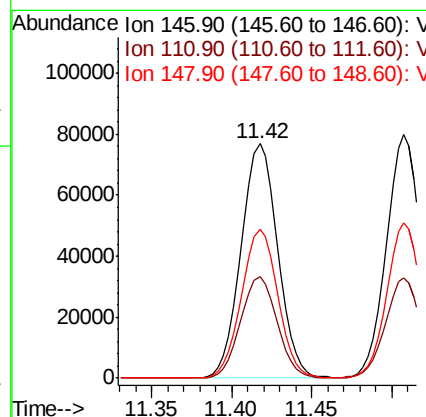
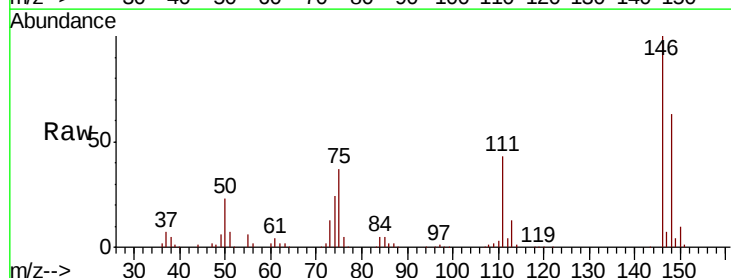
Manual Integrations
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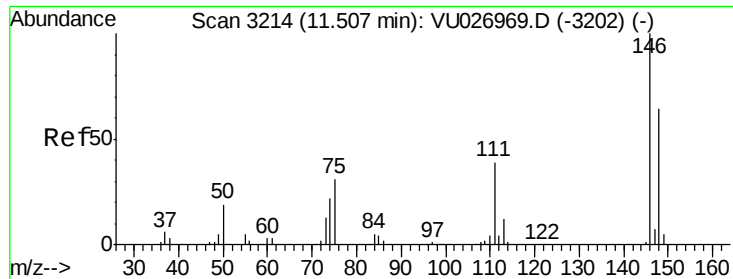
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 48.119 ug/l
RT: 11.42 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119886		
111	43.1	20.8	62.2	
148	63.1	32.0	96.2	





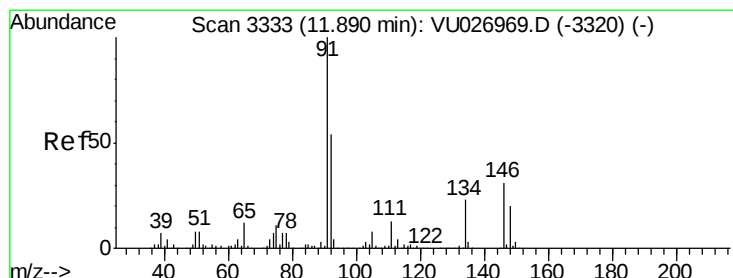
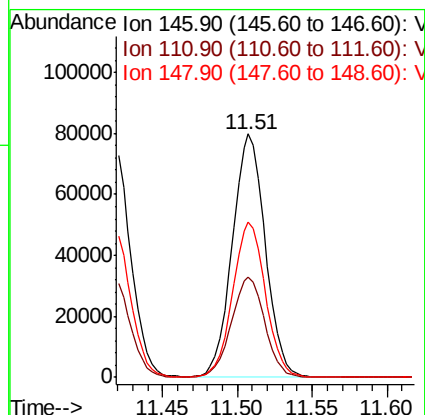
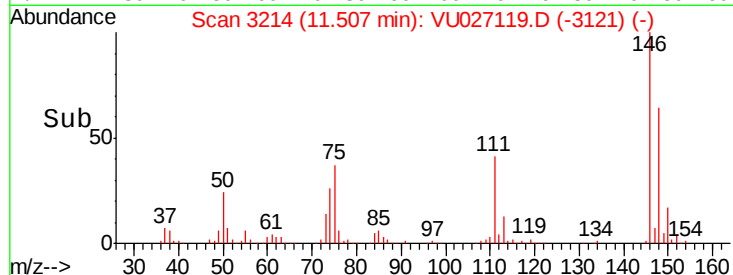
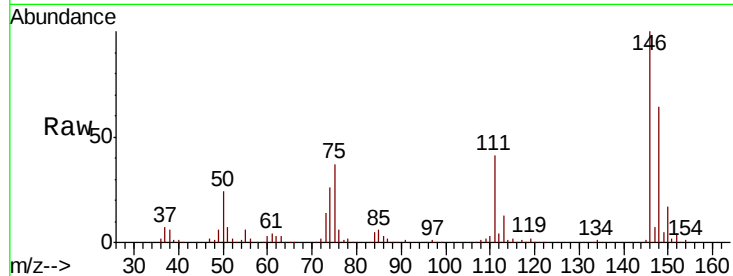
#88
 1,4-Dichlorobenzene
 Concen: 44.987 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion:	146	Resp:	122156
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.3	60.9
148	63.7	31.9	95.9

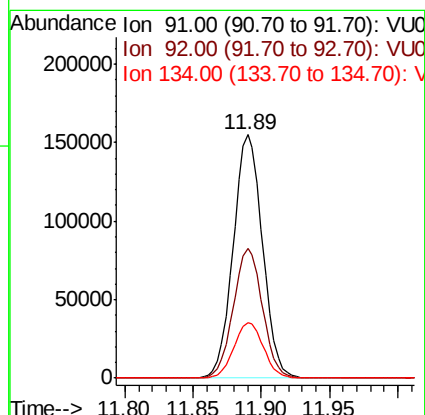
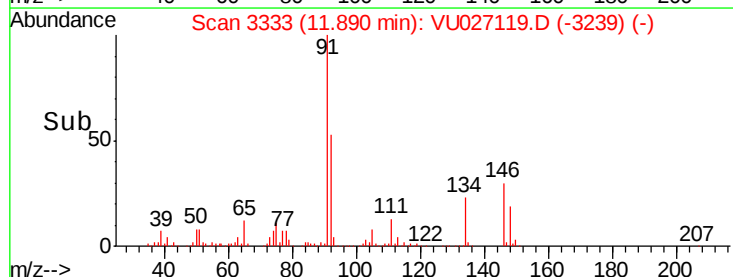
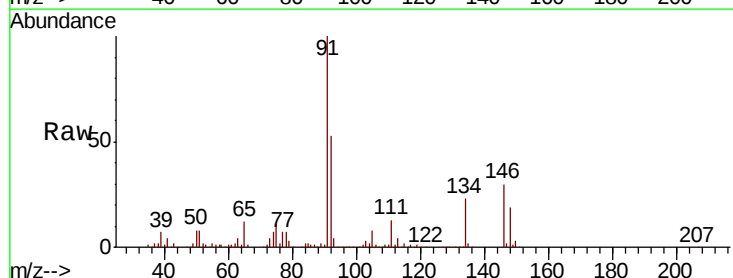
Manual Integrations
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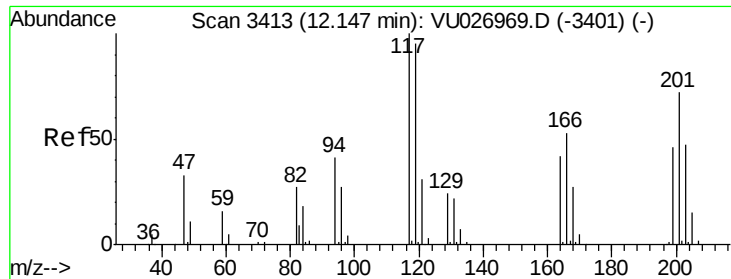
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#89
 n-Butylbenzene
 Concen: 46.595 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Tgt Ion:	91	Resp:	230482
Ion Ratio	Lower	Upper	
91	100		
92	53.1	27.1	81.2
134	23.0	11.7	35.0





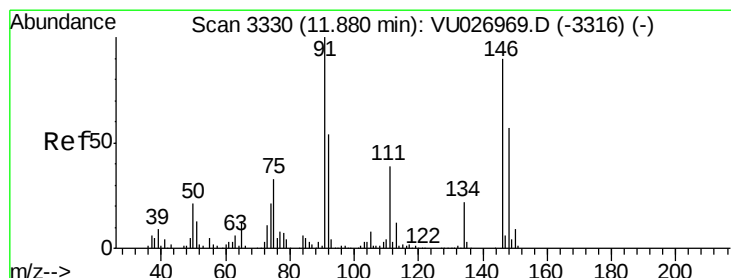
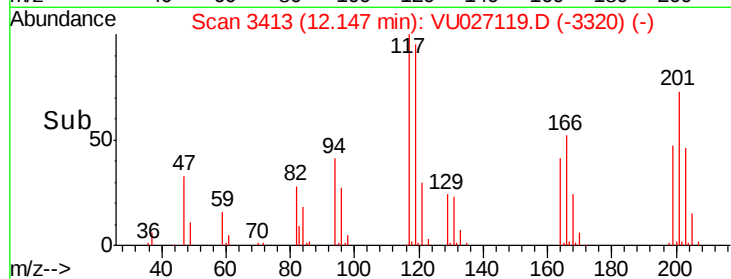
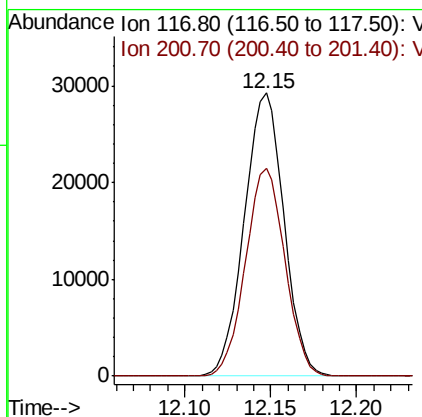
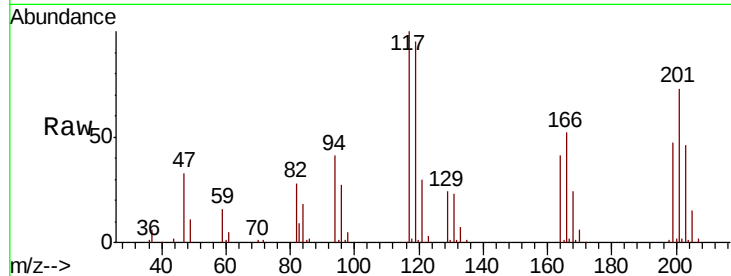
#90
Hexachloroethane
Concen: 47.148 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Instrument :
MSVOA_U
ClientSampleId :
SA-PZ182I-20180916MS

Tot Ion:117 Resp: 46797
Ion Ratio Lower Upper
117 100
201 72.9 36.8 110.3

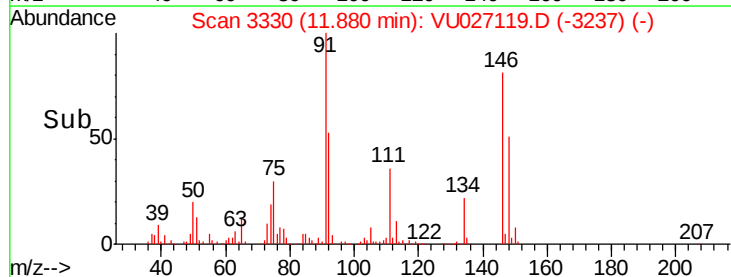
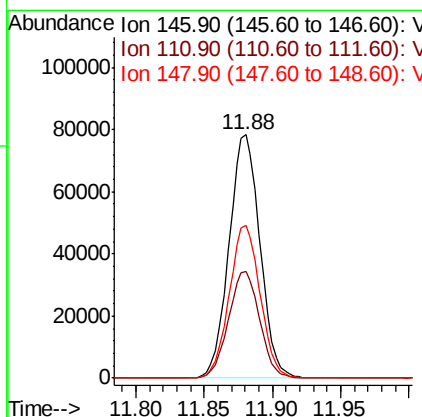
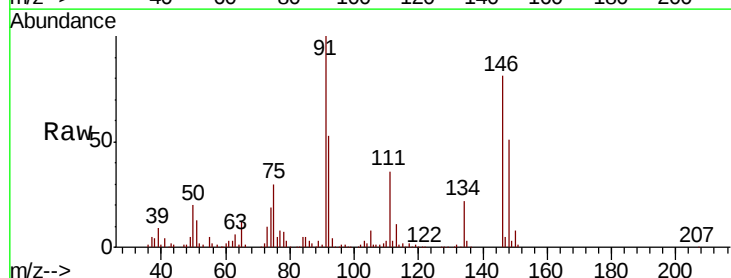
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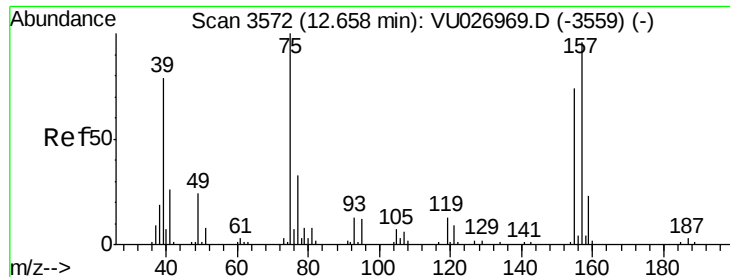
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#91
1,2-Dichlorobenzene
Concen: 46.631 ug/l
RT: 11.88 min Scan# 3330
Delta R.T. 0.00 min
Lab File: VU027119.D
Acq: 24 Sep 2018 19:14

Tgt Ion:146 Resp: 123408
Ion Ratio Lower Upper
146 100
111 44.1 21.8 65.3
148 62.7 31.9 95.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 51.391 ug/l

RT: 12.66 min Scan# 3571

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

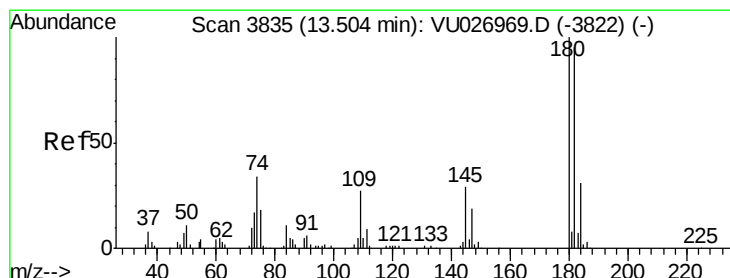
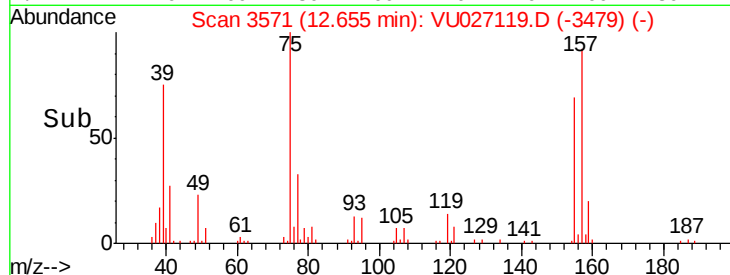
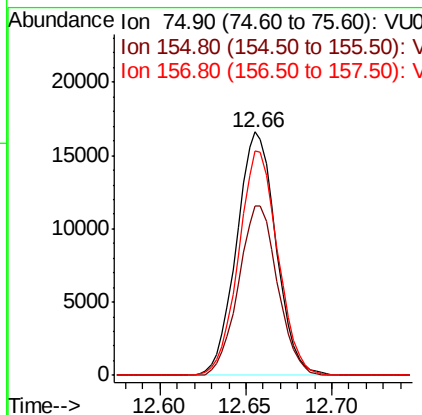
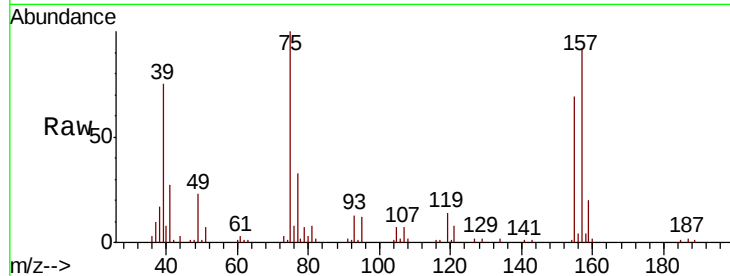
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	75	Resp:	26409
Ion	Ratio	Lower	Upper
75	100		
155	68.8	36.6	109.8
157	91.4	47.4	142.2

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 49.992 ug/l

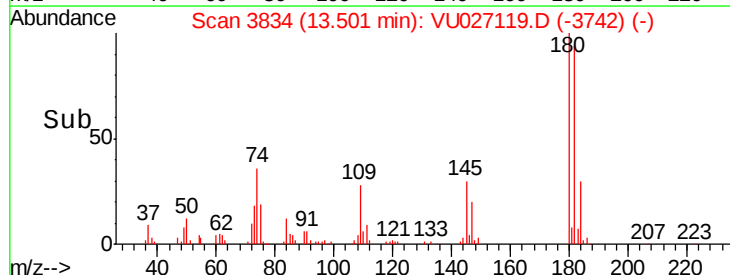
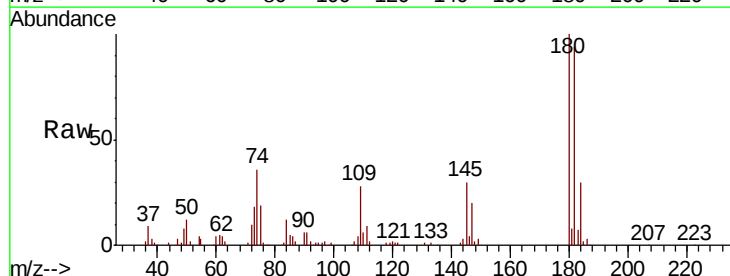
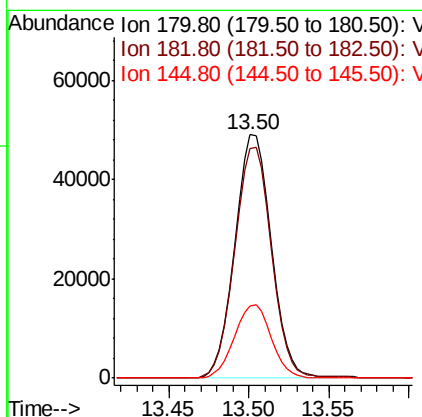
RT: 13.50 min Scan# 3834

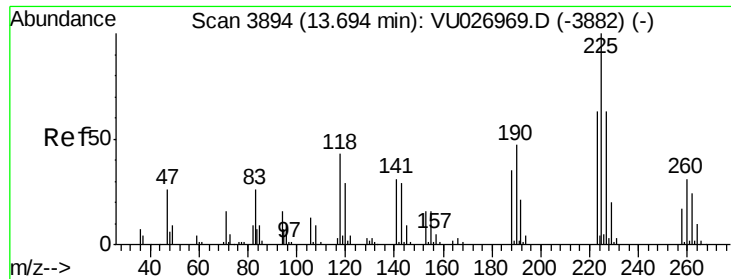
Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	180	Resp:	76242
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.4	142.2
145	30.6	14.9	44.5





#94

Hexachlorobutadiene

Concen: 46.586 ug/l

RT: 13.69 min Scan# 3893

Delta R.T. -0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Instrument :

MSVOA_U

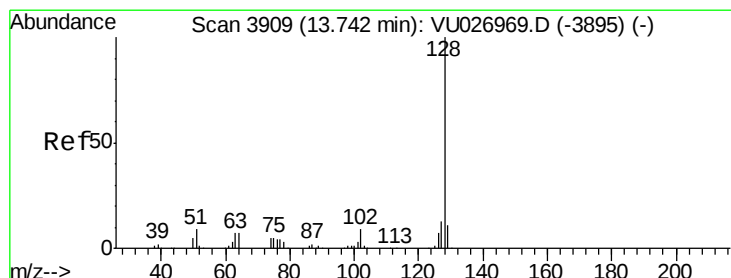
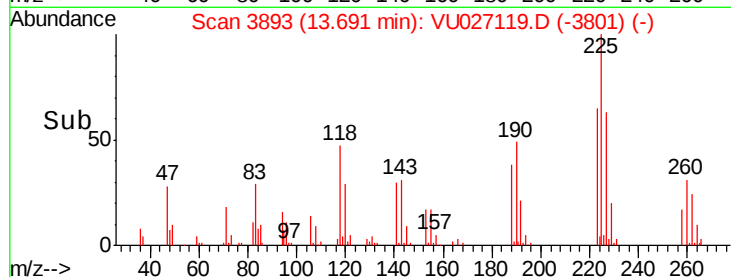
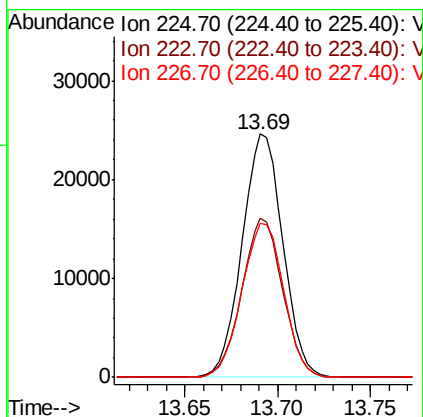
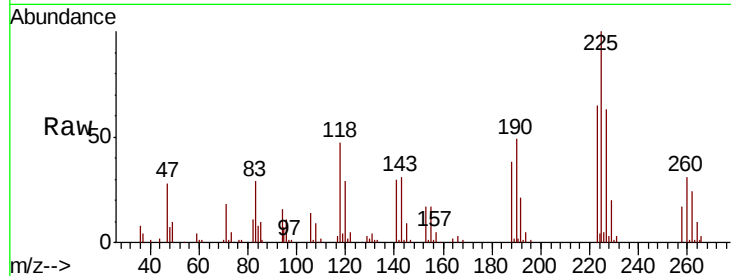
ClientSampleId :

SA-PZ182I-20180916MS

Tot Ion:	225	Resp:	37593
Ion Ratio	Lower	Upper	
225	100		
223	65.3	31.9	95.7
227	64.7	32.1	96.5

Manual Integrations
APPROVED

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9/25/2018 11:34:14 AM



#95

Naphthalene

Concen: 47.788 ug/l

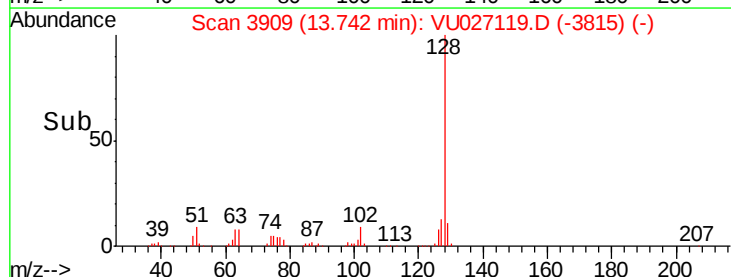
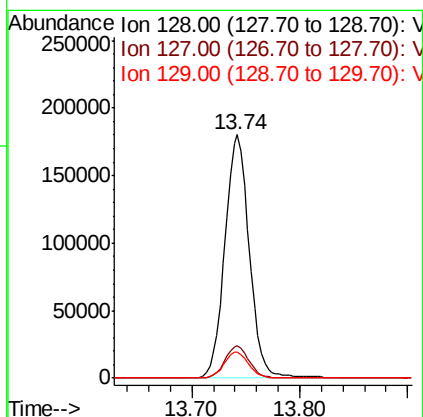
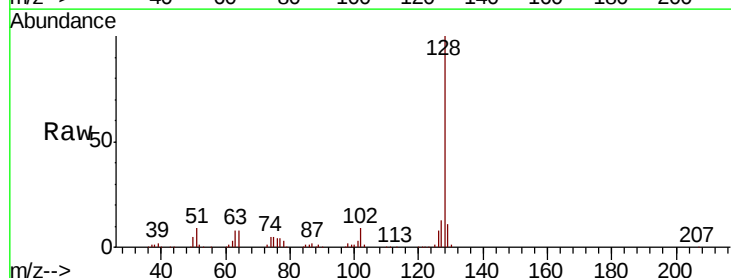
RT: 13.74 min Scan# 3909

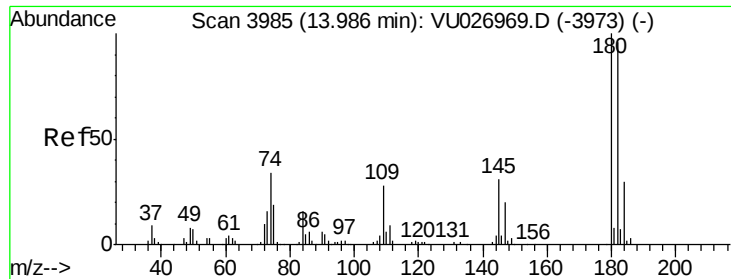
Delta R.T. 0.00 min

Lab File: VU027119.D

Acq: 24 Sep 2018 19:14

Tgt Ion:	128	Resp:	284494
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	15.8
129	10.7	8.6	12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 50.451 ug/l
 RT: 13.99 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VU027119.D
 Acq: 24 Sep 2018 19:14

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-PZ182I-20180916MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	32.3	15.4	46.4

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:34:14 AM

